

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121417\  
 Data File : BF101389.D  
 Acq On : 14 Dec 2017 12:18  
 Operator : SJ/JU  
 Sample : SSTDICC025  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Dec 14 13:21:19 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 14 13:19:55 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.82  | 152  | 156420   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.10  | 136  | 643066   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.86  | 164  | 295154   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.35 | 188  | 559461   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.00 | 240  | 461595   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.47 | 264  | 462643   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |       |    |      |
|--------------------------|-------|-----|---------|-------|----|------|
| 5) 2-Fluorophenol        | 5.43  | 112 | 572251  | 60.45 | ng | 0.00 |
| 7) Phenol-d6             | 6.45  | 99  | 676716  | 58.88 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.39  | 82  | 600903  | 55.74 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.65 | 330 | 147428  | 41.58 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 9.17  | 172 | 1055128 | 48.91 | ng | 0.00 |
| 78) Terphenyl-d14        | 12.93 | 244 | 962073  | 45.59 | ng | 0.00 |

## Target Compounds

|                                |      |     |        |        |    | Qvalue |
|--------------------------------|------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.56 | 88  | 137674 | 35.172 | ng | 95     |
| 3) Pyridine                    | 3.33 | 79  | 369689 | 36.433 | ng | 95     |
| 4) n-Nitrosodimethylamine      | 3.27 | 42  | 175354 | 35.382 | ng | 93     |
| 6) Aniline                     | 6.48 | 93  | 478223 | 31.999 | ng | 95     |
| 8) 2-Chlorophenol              | 6.60 | 128 | 291195 | 28.213 | ng | 99     |
| 9) Benzaldehyde                | 6.37 | 77  | 252177 | 35.851 | ng | 98     |
| 10) Phenol                     | 6.46 | 94  | 396803 | 31.051 | ng | 97     |
| 11) bis(2-Chloroethyl)ether    | 6.55 | 93  | 300801 | 31.382 | ng | 93     |
| 12) 1,3-Dichlorobenzene        | 6.76 | 146 | 321449 | 26.747 | ng | 100    |
| 13) 1,4-Dichlorobenzene        | 6.83 | 146 | 327845 | 26.349 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 6.99 | 146 | 300341 | 25.879 | ng | 98     |
| 15) Benzyl Alcohol             | 6.96 | 79  | 247499 | 27.883 | ng | 99     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.09 | 45  | 471967 | 36.224 | ng | 87     |
| 17) 2-Methylphenol             | 7.07 | 107 | 258854 | 31.060 | ng | 97     |
| 18) Hexachloroethane           | 7.32 | 117 | 114153 | 28.556 | ng | 98     |
| 19) n-Nitroso-di-n-propylamine | 7.23 | 70  | 221542 | 28.624 | ng | 91     |
| 20) 3+4-Methylphenols          | 7.23 | 107 | 306783 | 28.226 | ng | # 50   |
| 22) Acetophenone               | 7.23 | 105 | 405153 | 26.078 | ng | # 88   |
| 24) Nitrobenzene               | 7.40 | 77  | 334406 | 31.651 | ng | 98     |
| 25) Isophorone                 | 7.64 | 82  | 575294 | 31.243 | ng | 98     |
| 26) 2-Nitrophenol              | 7.72 | 139 | 141572 | 24.410 | ng | 99     |
| 27) 2,4-Dimethylphenol         | 7.75 | 122 | 245578 | 29.270 | ng | 97     |
| 28) bis(2-Chloroethoxy)methane | 7.85 | 93  | 379275 | 30.646 | ng | 98     |
| 29) 2,4-Dichlorophenol         | 7.96 | 162 | 241619 | 26.457 | ng | 99     |
| 30) 1,2,4-Trichlorobenzene     | 8.04 | 180 | 253335 | 25.227 | ng | 98     |
| 31) Naphthalene                | 8.12 | 128 | 838688 | 26.462 | ng | 99     |
| 32) Benzoic acid               | 7.89 | 122 | 131625 | 20.171 | ng | 98     |
| 33) 4-Chloroaniline            | 8.17 | 127 | 368207 | 28.914 | ng | 98     |
| 34) Hexachlorobutadiene        | 8.23 | 225 | 144778 | 23.506 | ng | 96     |
| 35) Caprolactam                | 8.55 | 113 | 82381  | 28.945 | ng | # 87   |
| 36) 4-Chloro-3-methylphenol    | 8.66 | 107 | 264333 | 27.942 | ng | 96     |
| 37) 2-Methylnaphthalene        | 8.81 | 142 | 549081 | 25.497 | ng | 99     |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.98 | 216 | 260683 | 24.312 | ng | 98     |
| 40) Hexachlorocyclopentadiene  | 8.96 | 237 | 18034  | 5.676  | ng | 98     |

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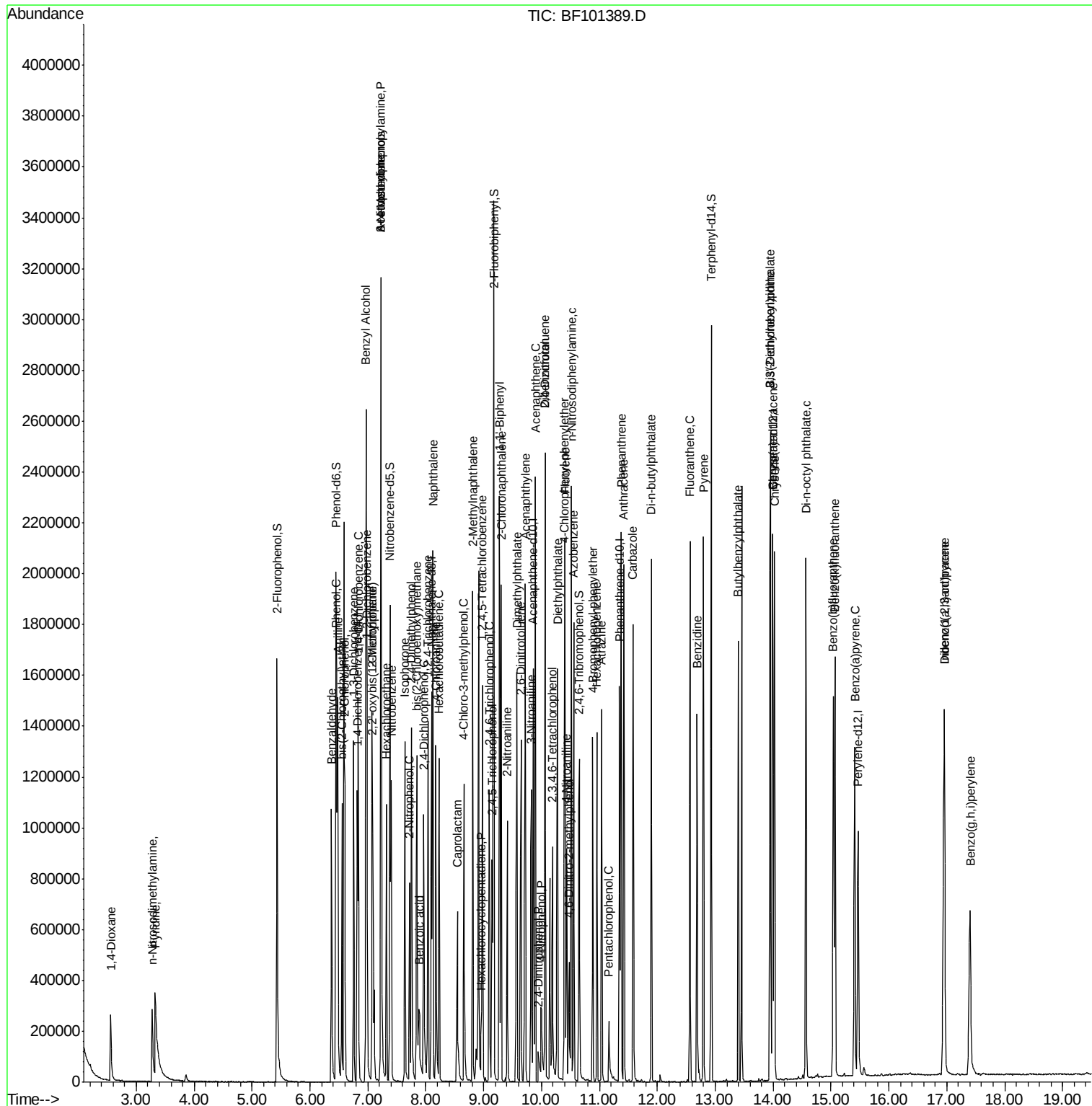
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.10  | 196  | 155722   | 24.775 | ng    | 99       |
| 43) 2,4,5-Trichlorophenol      | 9.15  | 196  | 172361   | 25.650 | ng    | 96       |
| 45) 1,1'-Biphenyl              | 9.27  | 154  | 672817   | 24.880 | ng    | 100      |
| 46) 2-Chloronaphthalene        | 9.30  | 162  | 514446   | 26.787 | ng    | 97       |
| 47) 2-Nitroaniline             | 9.41  | 65   | 180385   | 31.747 | ng    | 94       |
| 48) Acenaphthylene             | 9.72  | 152  | 834642   | 26.445 | ng    | 100      |
| 49) Dimethylphthalate          | 9.57  | 163  | 602810   | 25.324 | ng    | 99       |
| 50) 2,6-Dinitrotoluene         | 9.65  | 165  | 127925   | 25.516 | ng    | 92       |
| 51) Acenaphthene               | 9.89  | 154  | 492970   | 26.085 | ng    | 100      |
| 52) 3-Nitroaniline             | 9.82  | 138  | 157851   | 27.997 | ng    | 99       |
| 53) 2,4-Dinitrophenol          | 9.95  | 184  | 25111    | 10.985 | ng    | # 18     |
| 54) Dibenzofuran               | 10.06 | 168  | 670328   | 24.613 | ng    | 99       |
| 55) 4-Nitrophenol              | 10.00 | 139  | 64055    | 16.846 | ng    | 92       |
| 56) 2,4-Dinitrotoluene         | 10.06 | 165  | 147812   | 21.999 | ng    | # 72     |
| 57) Fluorene                   | 10.40 | 166  | 564133   | 25.481 | ng    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.19 | 232  | 122301   | 22.731 | ng    | 92       |
| 59) Diethylphthalate           | 10.27 | 149  | 602692   | 25.670 | ng    | 96       |
| 60) 4-Chlorophenyl-phenylether | 10.39 | 204  | 268425   | 24.556 | ng    | 95       |
| 61) 4-Nitroaniline             | 10.43 | 138  | 159215   | 27.204 | ng    | 96       |
| 62) Azobenzene                 | 10.56 | 77   | 623200   | 31.278 | ng    | 96       |
| 64) 4,6-Dinitro-2-methylphenol | 10.47 | 198  | 65601    | 17.482 | ng    | 93       |
| 65) n-Nitrosodiphenylamine     | 10.52 | 169  | 532378   | 26.973 | ng    | 95       |
| 66) 4-Bromophenyl-phenylether  | 10.89 | 248  | 161590   | 25.804 | ng    | # 88     |
| 67) Hexachlorobenzene          | 10.96 | 284  | 169814   | 25.302 | ng    | 94       |
| 68) Atrazine                   | 11.04 | 200  | 158057   | 26.106 | ng    | 96       |
| 69) Pentachlorophenol          | 11.16 | 266  | 47699    | 12.926 | ng    | 97       |
| 70) Phenanthrene               | 11.37 | 178  | 814148   | 26.425 | ng    | 99       |
| 71) Anthracene                 | 11.43 | 178  | 830676   | 26.640 | ng    | 99       |
| 72) Carbazole                  | 11.58 | 167  | 778167   | 27.314 | ng    | 100      |
| 73) Di-n-butylphthalate        | 11.90 | 149  | 939576   | 26.312 | ng    | 99       |
| 74) Fluoranthene               | 12.56 | 202  | 852327   | 24.957 | ng    | 99       |
| 76) Benzidine                  | 12.69 | 184  | 513376   | 34.202 | ng    | 99       |
| 77) Pyrene                     | 12.80 | 202  | 878254   | 27.573 | ng    | 99       |
| 79) Butylbenzylphthalate       | 13.40 | 149  | 398206   | 28.356 | ng    | 93       |
| 80) Benzo(a)anthracene         | 13.99 | 228  | 774353   | 26.570 | ng    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 13.94 | 252  | 275218   | 27.267 | ng    | 98       |
| 82) Chrysene                   | 14.03 | 228  | 734845   | 27.149 | ng    | 100      |
| 83) Bis(2-ethylhexyl)phthalate | 13.96 | 149  | 528039   | 26.372 | ng    | 99       |
| 84) Di-n-octyl phthalate       | 14.57 | 149  | 919054   | 27.567 | ng    | 97       |
| 85) Indeno(1,2,3-cd)pyrene     | 16.96 | 276  | 697271   | 28.976 | ng    | 97       |
| 87) Benzo(b)fluoranthene       | 15.04 | 252  | 684238   | 24.692 | ng    | 98       |
| 88) Benzo(k)fluoranthene       | 15.07 | 252  | 722130   | 26.450 | ng    | 97       |
| 89) Benzo(a)pyrene             | 15.41 | 252  | 668516   | 26.536 | ng    | 99       |
| 90) Dibenzo(a,h)anthracene     | 16.96 | 278  | 588517   | 26.498 | ng    | 98       |
| 91) Benzo(g,h,i)perylene       | 17.40 | 276  | 578559   | 27.641 | ng    | 96       |

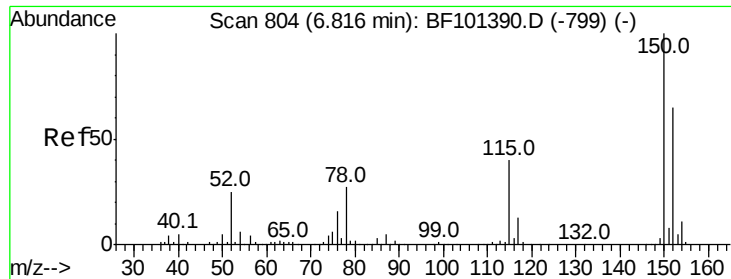
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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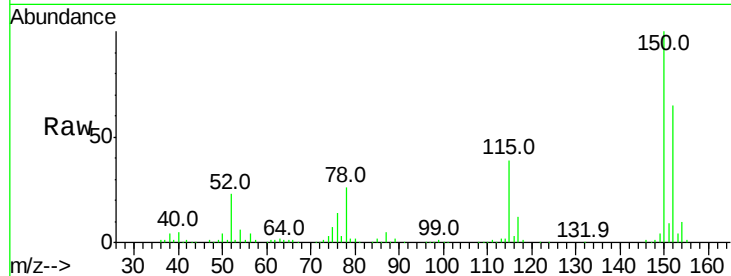


#1

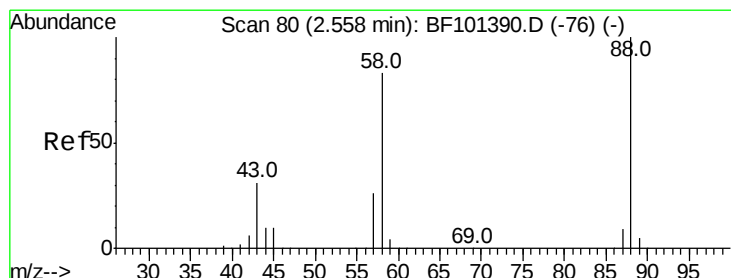
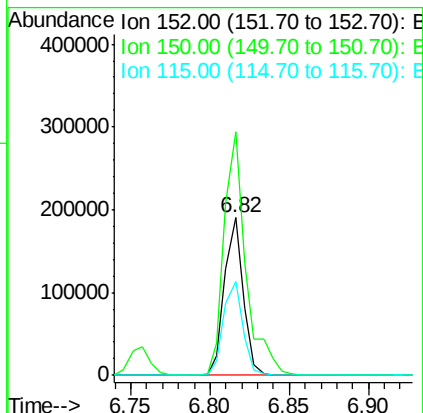
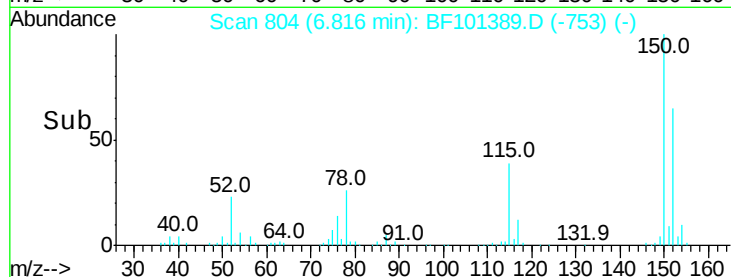
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.82 min Scan# 804  
Delta R.T. -0.00 min  
Lab File: BF101389.D  
Acq: 14 Dec 2017 12:18

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 156420  
Ion Ratio Lower Upper  
152 100  
150 154.8 124.6 186.8  
115 59.7 50.1 75.1



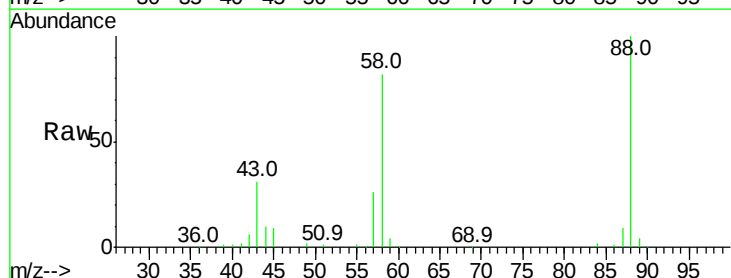
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



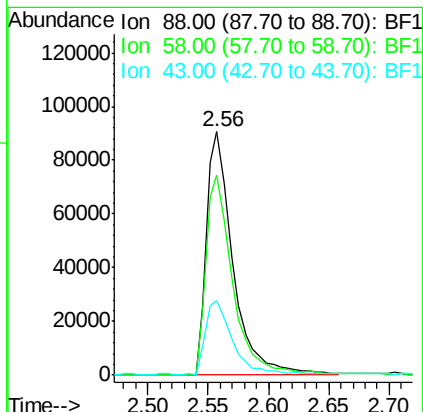
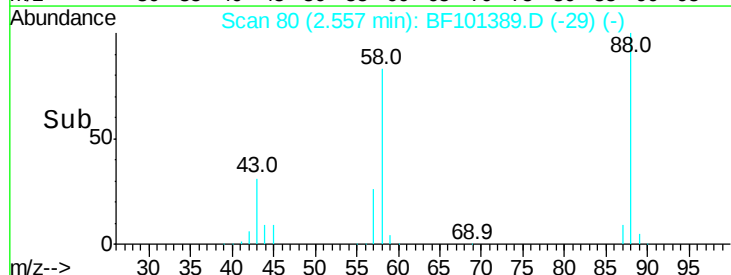
#2

1,4-Dioxane  
Concen: 35.172 ng  
RT: 2.56 min Scan# 80  
Delta R.T. -0.00 min  
Lab File: BF101389.D  
Acq: 14 Dec 2017 12:18

Tgt Ion: 88 Resp: 137674  
Ion Ratio Lower Upper  
88 100  
58 83.7 62.6 93.8  
43 32.2 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: 36.433 ng

RT: 3.33 min Scan# 211

Delta R.T. 0.01 min

Lab File: BF101389.D

Acq: 14 Dec 2017 12:18

Instrument :

BNA\_F

ClientSampled :

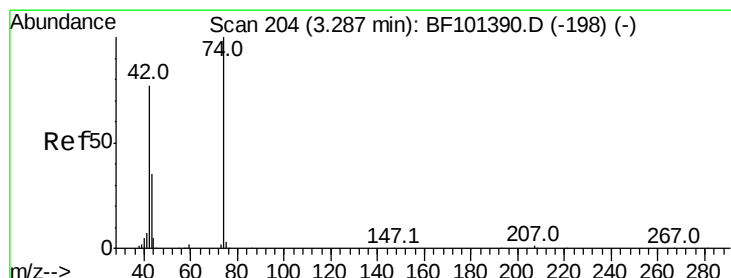
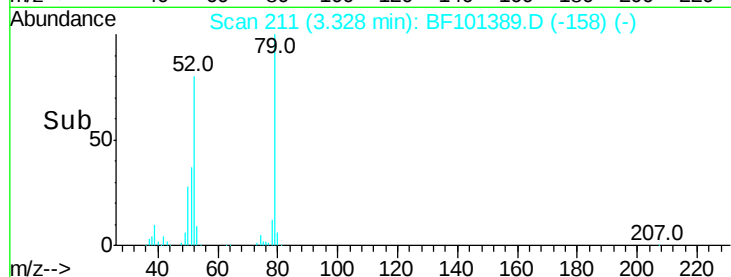
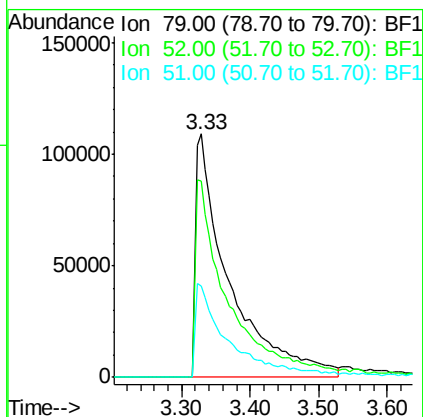
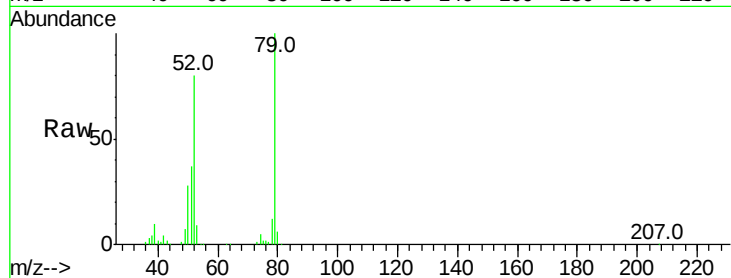
Tot Ion: 79 Resp: 369689

Ion Ratio Lower Upper

79 100

52 80.5 59.8 89.6

51 37.3 29.8 44.8



#4

n-Nitrosodimethylamine

Concen: 35.382 ng

RT: 3.27 min Scan# 201

Delta R.T. -0.02 min

Lab File: BF101389.D

Acq: 14 Dec 2017 12:18

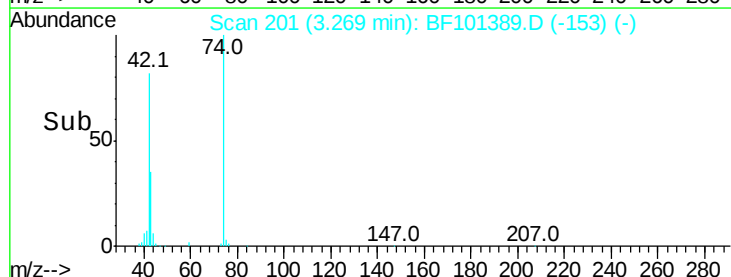
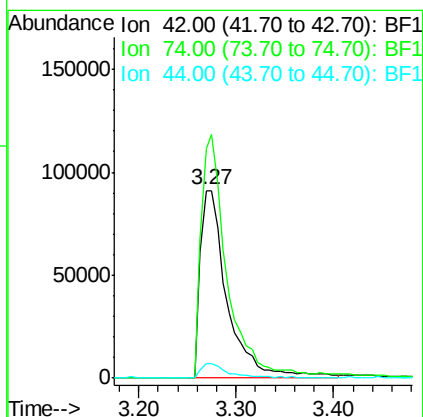
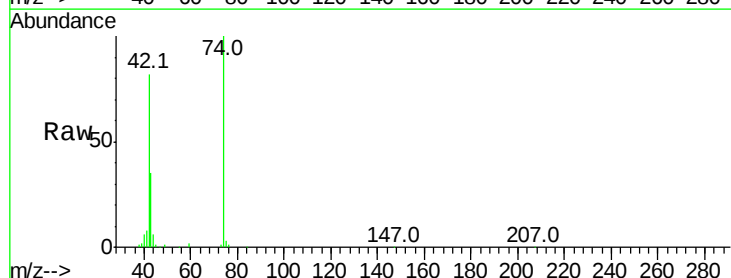
Tgt Ion: 42 Resp: 175354

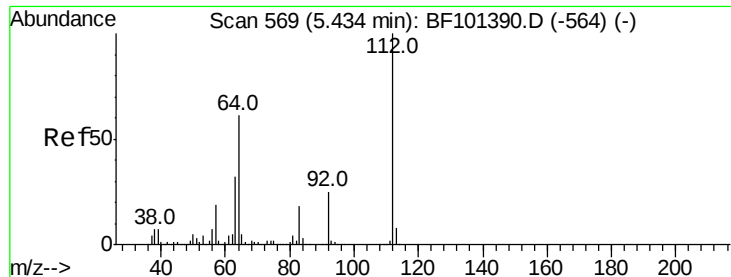
Ion Ratio Lower Upper

42 100

74 122.5 104.9 157.3

44 7.4 6.9 10.3





#5

2-Fluorophenol

Concen: 60.453 ng

RT: 5.43 min Scan# 568

Delta R.T. -0.01 min

Lab File: BF101389.D

Acq: 14 Dec 2017 12:18

Instrument :

BNA\_F

ClientSampleId :

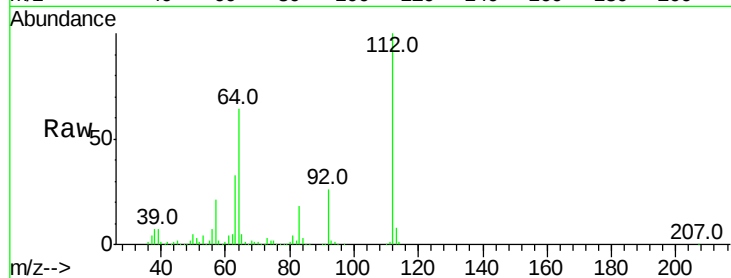
Tot Ion:112 Resp: 572251

Ion Ratio Lower Upper

112 100

64 63.9 47.9 71.9

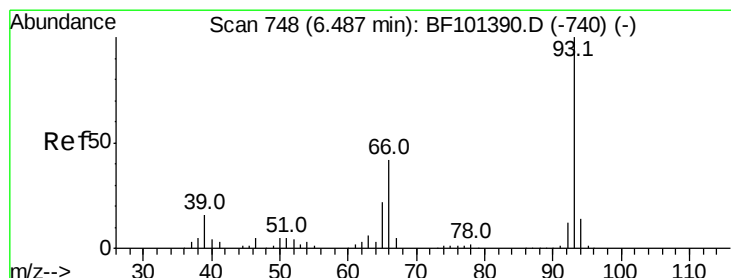
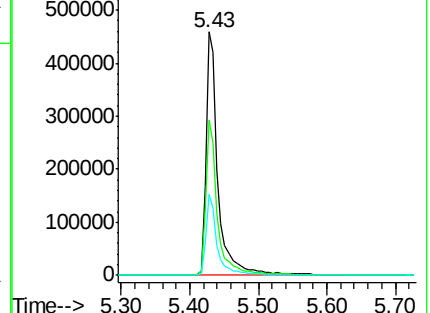
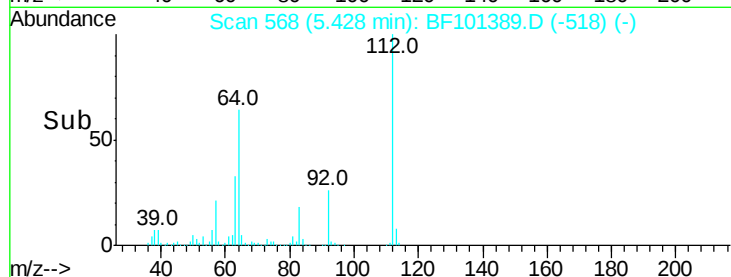
63 33.3 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 31.999 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF101389.D

Acq: 14 Dec 2017 12:18

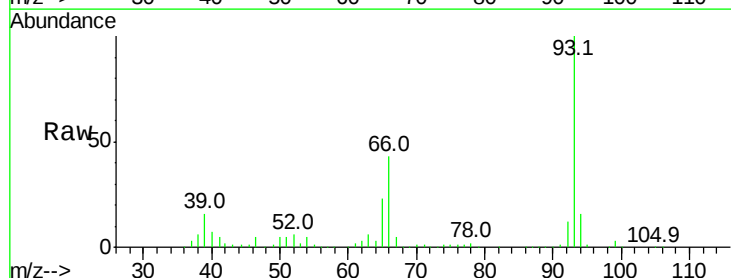
Tgt Ion: 93 Resp: 478223

Ion Ratio Lower Upper

93 100

66 43.0 32.2 48.2

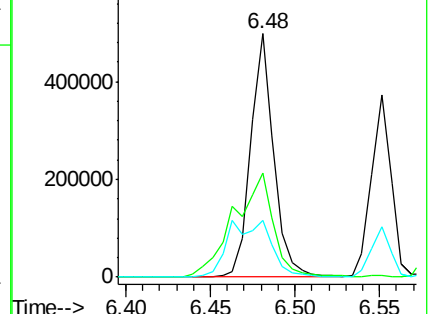
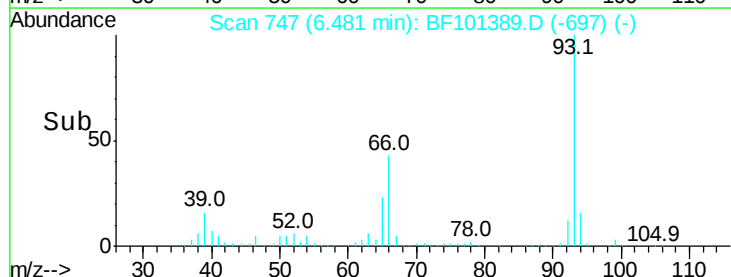
65 23.1 16.4 24.6

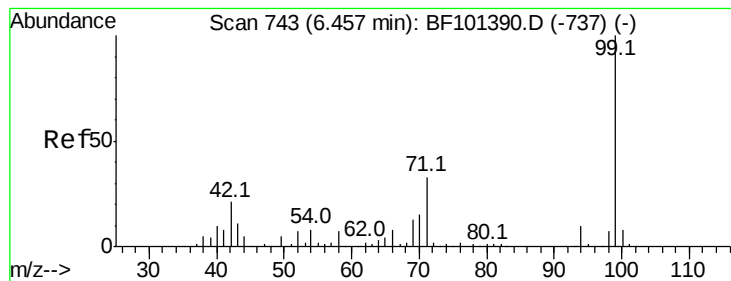


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 58.883 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF101389.D

Acq: 14 Dec 2017 12:18

Instrument :

BNA\_F

ClientSampleId :

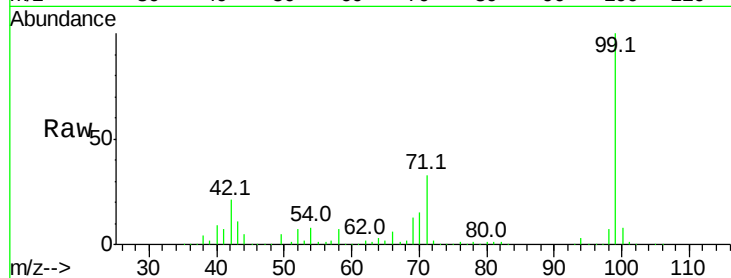
Tot Ion: 99 Resp: 676716

Ion Ratio Lower Upper

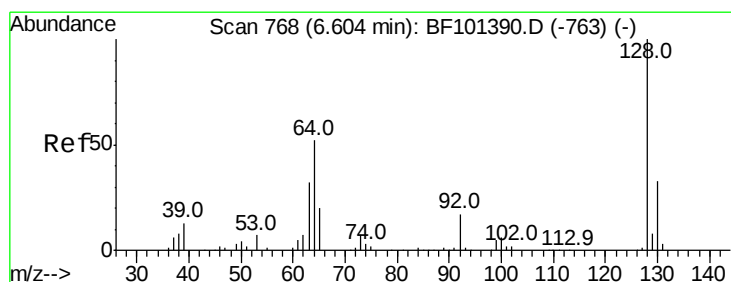
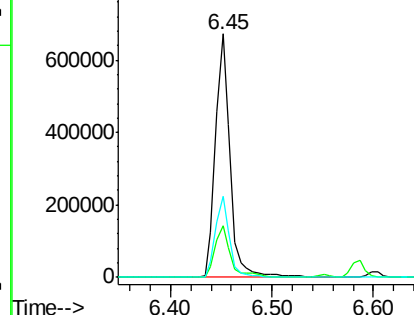
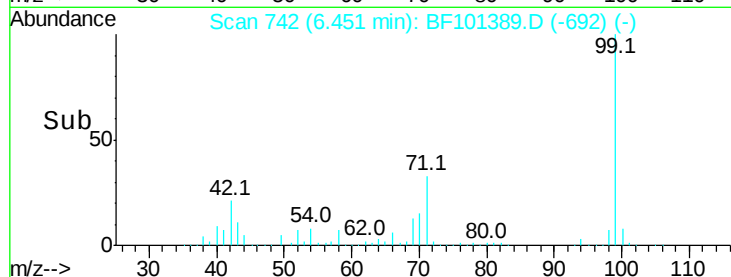
99 100

42 21.3 14.5 21.7

71 33.1 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: 28.213 ng

RT: 6.60 min Scan# 768

Delta R.T. -0.00 min

Lab File: BF101389.D

Acq: 14 Dec 2017 12:18

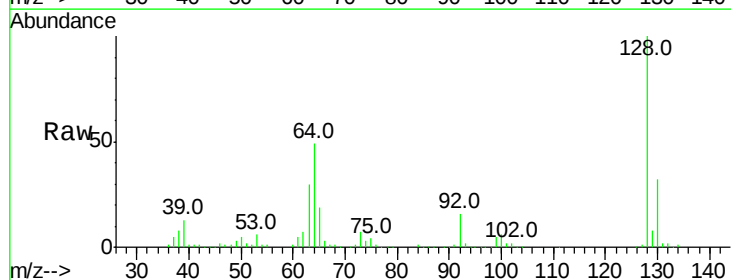
Tgt Ion: 128 Resp: 291195

Ion Ratio Lower Upper

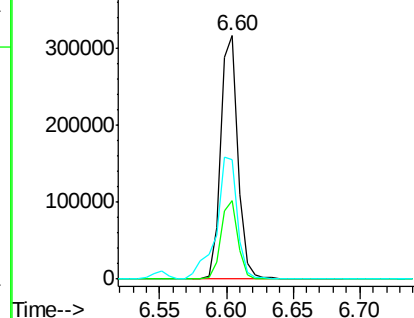
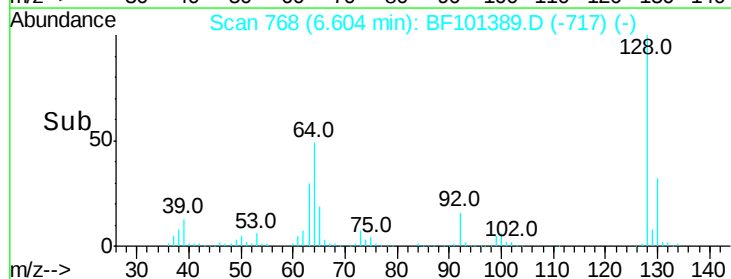
128 100

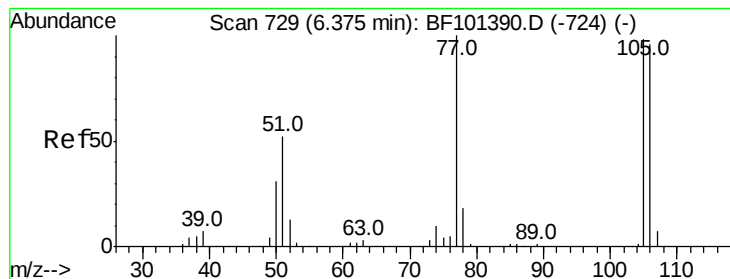
130 32.0 13.0 53.0

64 49.0 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: 35.851 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF101389.D

Acq: 14 Dec 2017 12:18

Instrument :

BNA\_F

ClientSampleId :

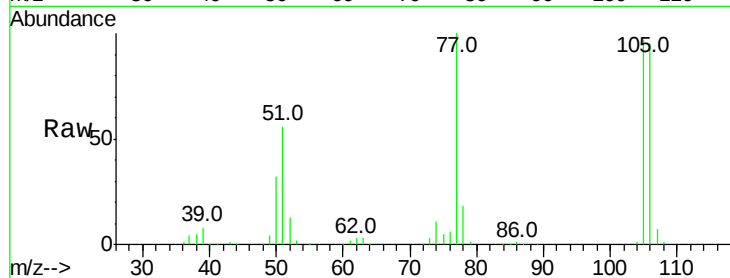
Tot Ion: 77 Resp: 252177

Ion Ratio Lower Upper

77 100

105 96.6 81.1 121.1

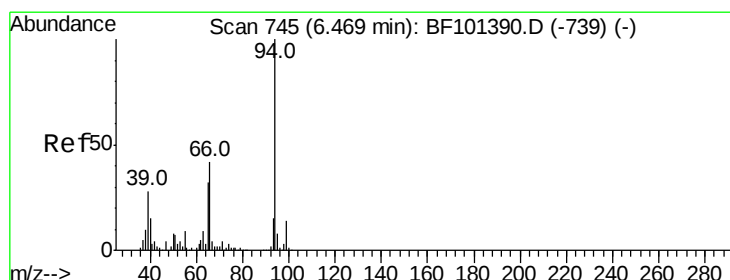
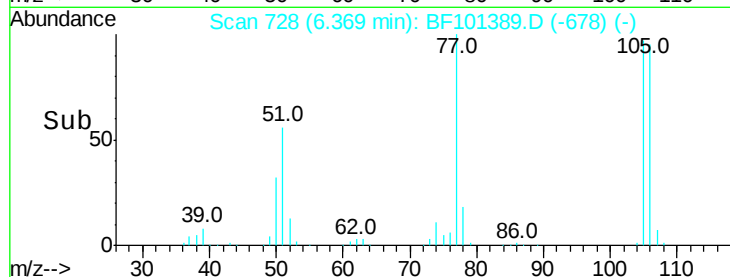
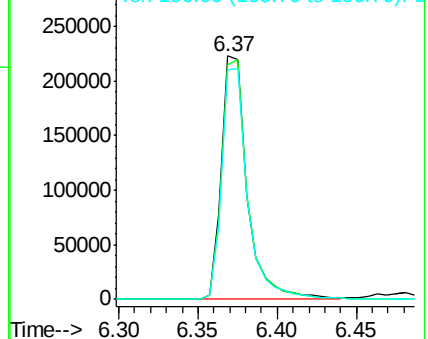
106 94.5 74.5 114.5



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: 31.051 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.01 min

Lab File: BF101389.D

Acq: 14 Dec 2017 12:18

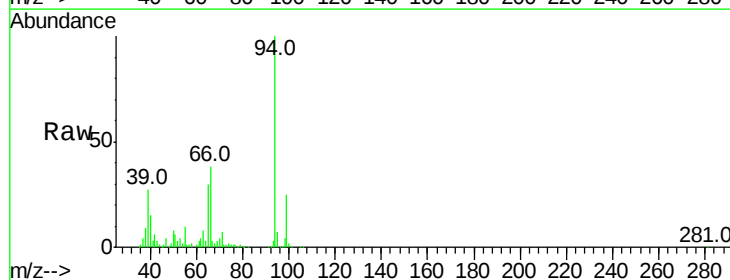
Tgt Ion: 94 Resp: 396803

Ion Ratio Lower Upper

94 100

65 30.2 7.9 47.9

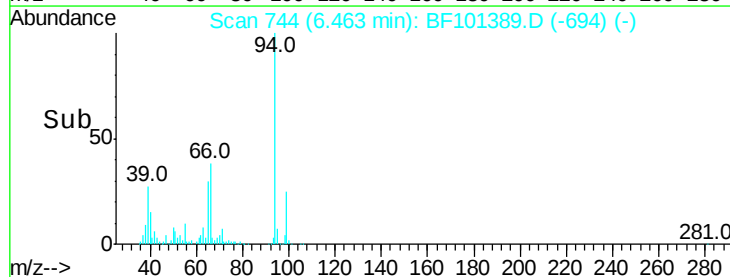
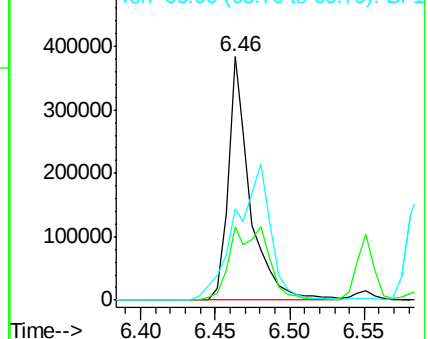
66 37.7 16.2 56.2



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: 31.382 ng

RT: 6.55 min Scan# 759

Delta R.T. -0.01 min

Lab File: BF101389.D

Acq: 14 Dec 2017 12:18

Instrument :

BNA\_F

ClientSampleId :

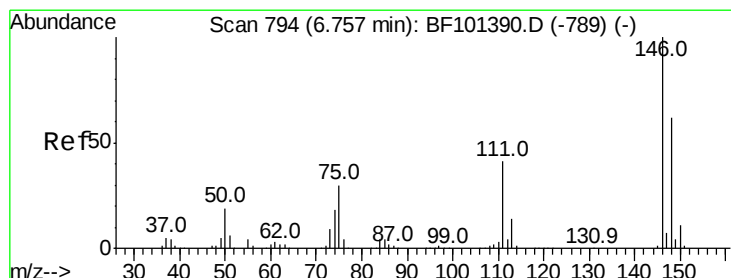
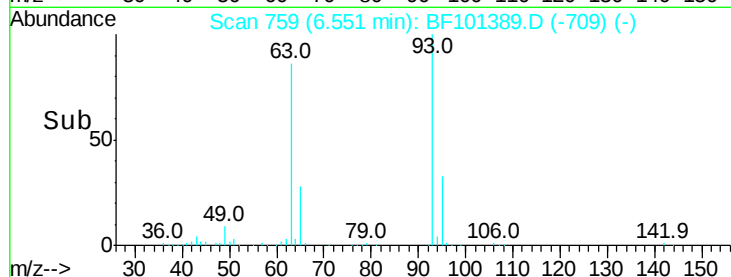
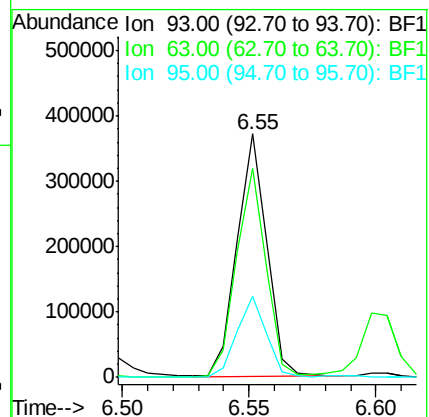
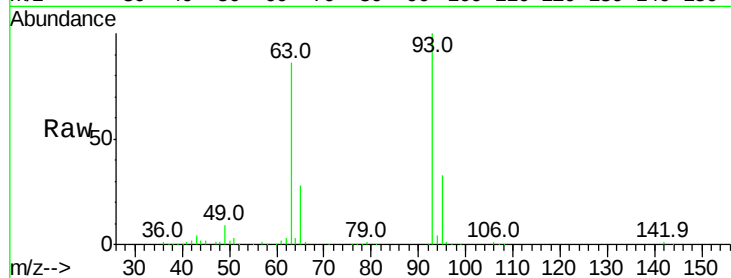
Tot Ion: 93 Resp: 300801

Ion Ratio Lower Upper

93 100

63 86.1 58.6 98.6

95 33.3 11.8 51.8



#12

1,3-Dichlorobenzene

Concen: 26.747 ng

RT: 6.76 min Scan# 794

Delta R.T. -0.00 min

Lab File: BF101389.D

Acq: 14 Dec 2017 12:18

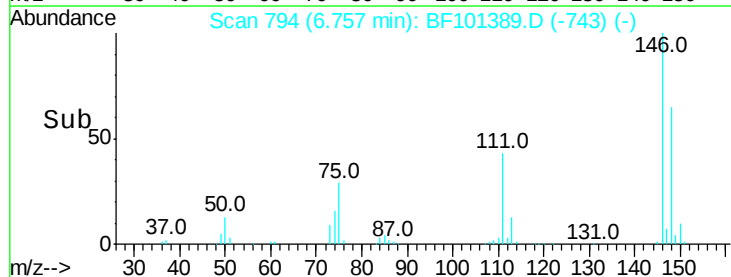
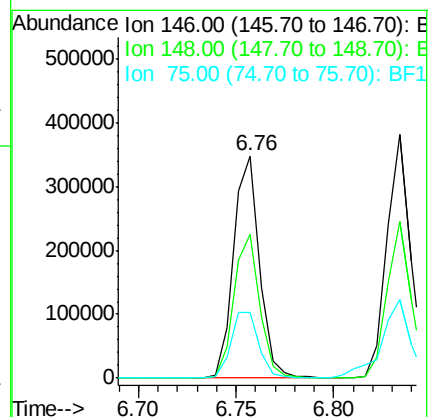
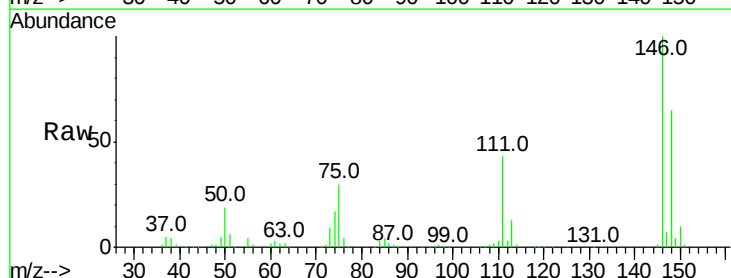
Tgt Ion: 146 Resp: 321449

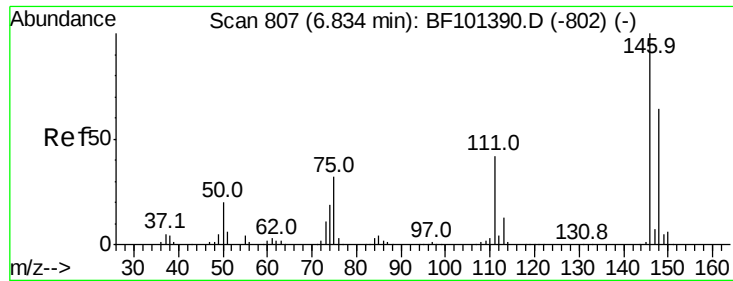
Ion Ratio Lower Upper

146 100

148 64.8 51.8 77.8

75 29.8 24.2 36.4

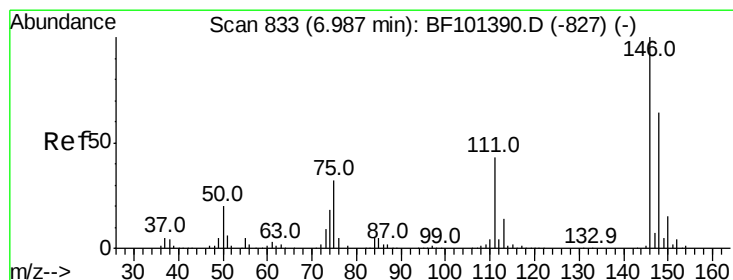
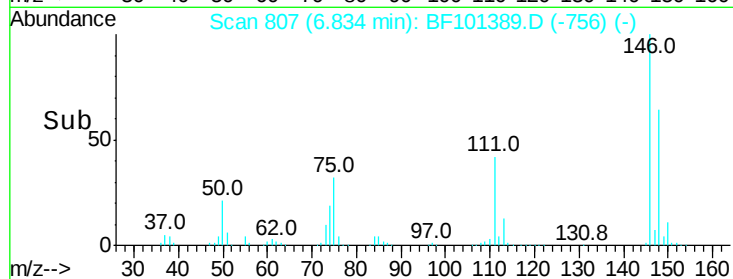
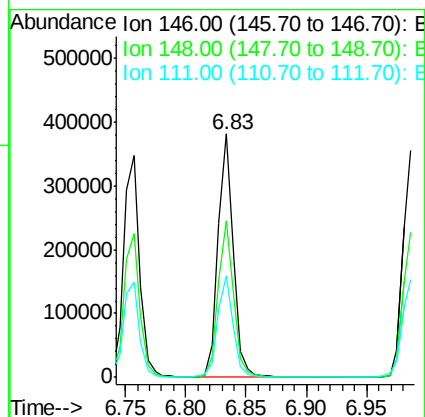
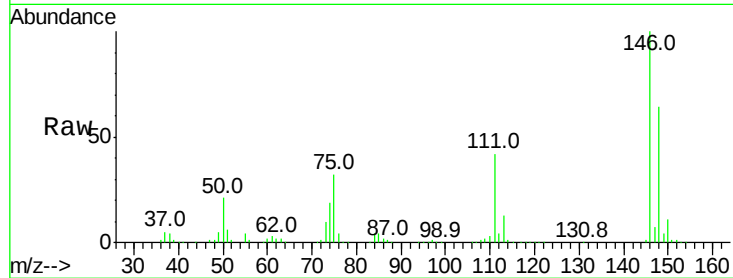




#13  
 1,4-Dichlorobenzene  
 Concen: 26.349 ng  
 RT: 6.83 min Scan# 807  
 Delta R.T. -0.00 min  
 Lab File: BF101389.D  
 Acq: 14 Dec 2017 12:18

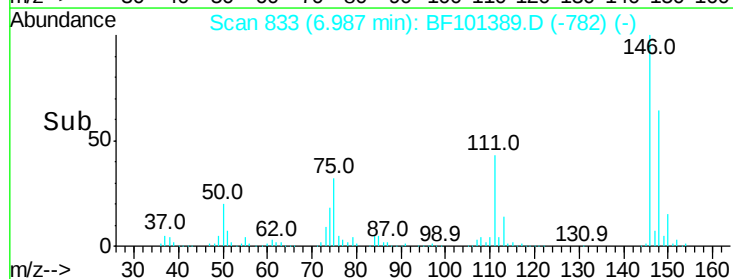
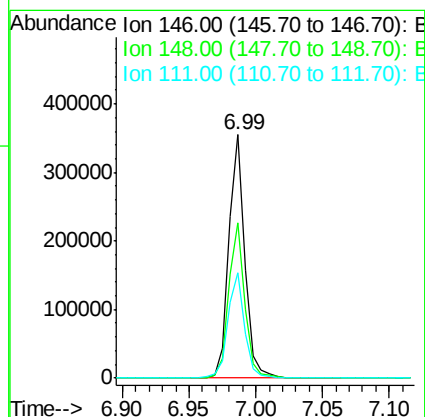
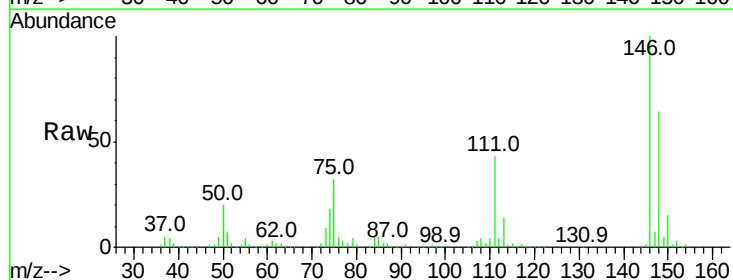
Instrument :  
 BNA\_F  
 ClientSampled :

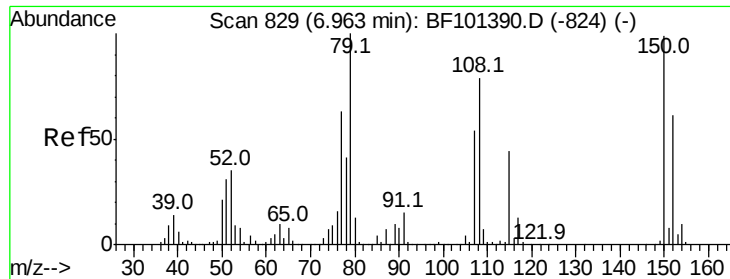
Tot Ion:146 Resp: 327845  
 Ion Ratio Lower Upper  
 146 100  
 148 64.4 50.8 76.2  
 111 41.7 34.2 51.2



#14  
 1,2-Dichlorobenzene  
 Concen: 25.879 ng  
 RT: 6.99 min Scan# 833  
 Delta R.T. -0.00 min  
 Lab File: BF101389.D  
 Acq: 14 Dec 2017 12:18

Tgt Ion:146 Resp: 300341  
 Ion Ratio Lower Upper  
 146 100  
 148 63.8 50.6 75.8  
 111 43.1 36.0 54.0





#15

Benzyl Alcohol

Concen: 27.883 ng

RT: 6.96 min Scan# 829

Delta R.T. -0.00 min

Lab File: BF101389.D

Acq: 14 Dec 2017 12:18

Instrument :

BNA\_F

ClientSampleId :

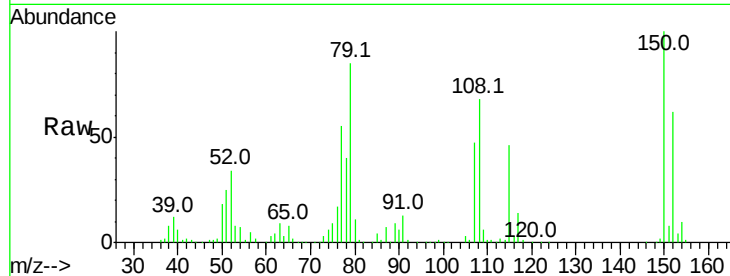
Tot Ion: 79 Resp: 247499

Ion Ratio Lower Upper

79 100

108 80.7 65.1 97.7

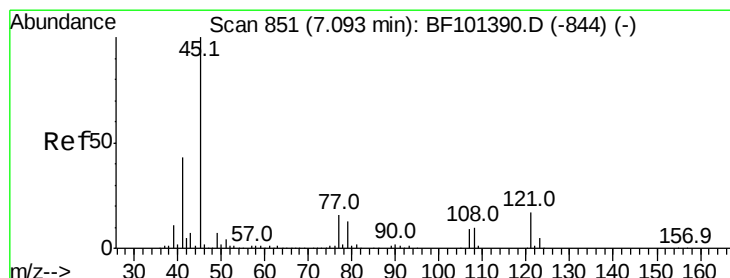
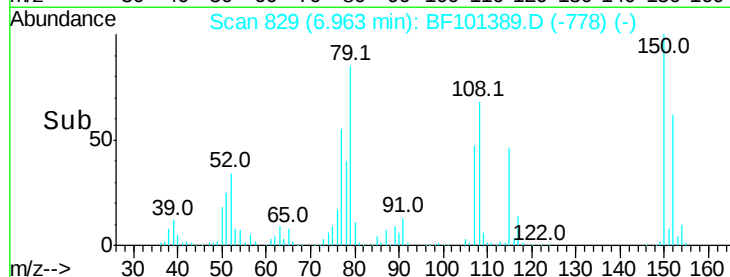
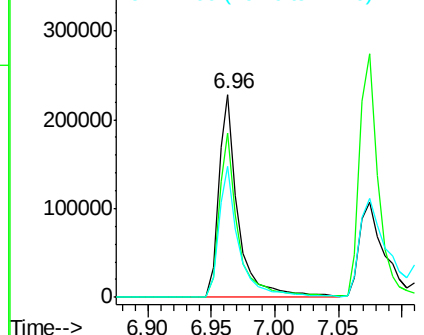
77 64.5 50.6 75.8



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: 36.224 ng

RT: 7.09 min Scan# 850

Delta R.T. -0.01 min

Lab File: BF101389.D

Acq: 14 Dec 2017 12:18

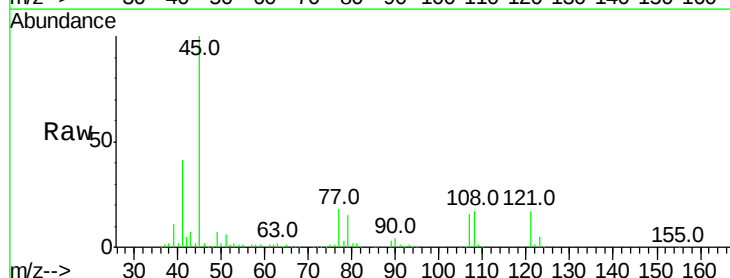
Tgt Ion: 45 Resp: 471967

Ion Ratio Lower Upper

45 100

77 17.7 0.0 32.9

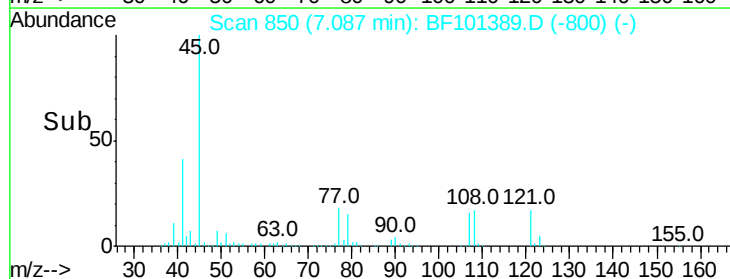
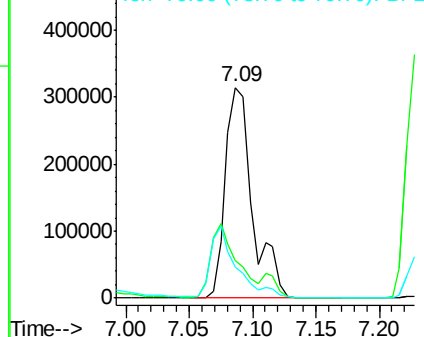
79 14.7 0.0 29.6

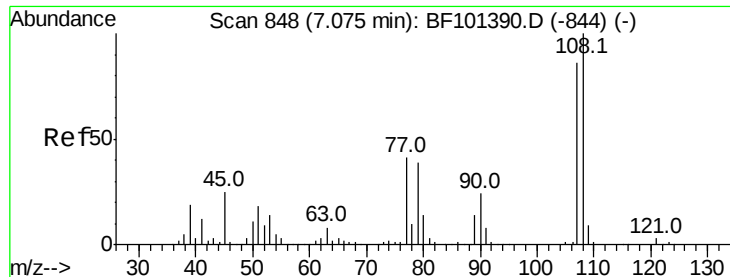


Abundance Ion 45.00 (44.70 to 45.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1

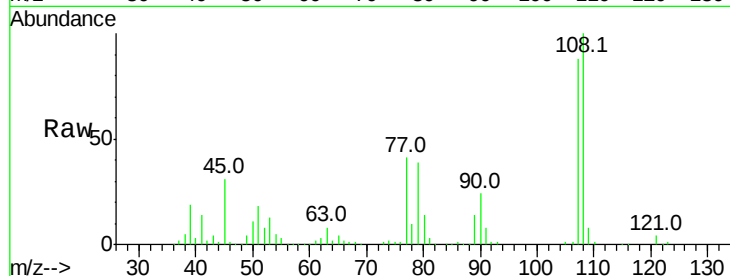




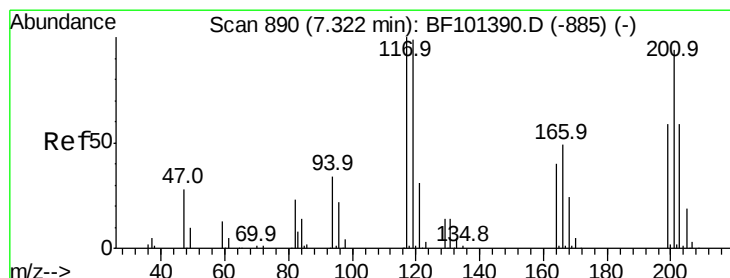
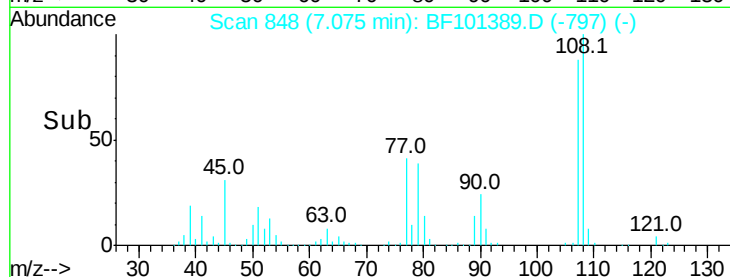
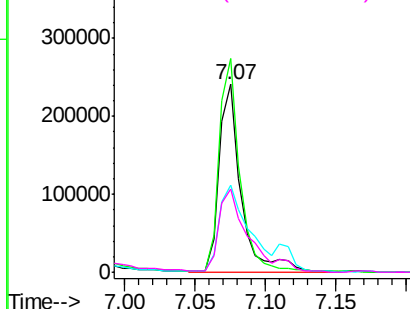
#17  
2-Methylphenol  
Concen: 31.060 ng  
RT: 7.07 min Scan# 848  
Delta R.T. -0.00 min  
Lab File: BF101389.D  
Acq: 14 Dec 2017 12:18

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:107 Resp: 258854  
Ion Ratio Lower Upper  
107 100  
108 113.7 91.7 137.5  
77 46.5 33.8 50.8  
79 44.6 33.8 50.8

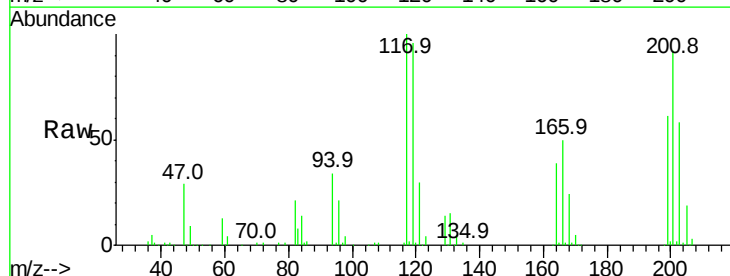


Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BF1  
Ion 79.00 (78.70 to 79.70): BF1

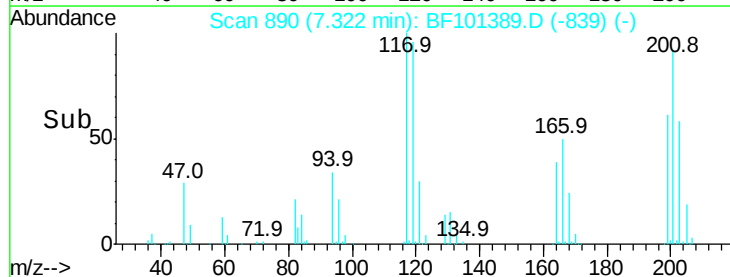
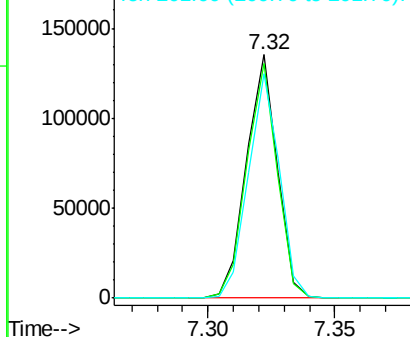


#18  
Hexachloroethane  
Concen: 28.556 ng  
RT: 7.32 min Scan# 890  
Delta R.T. -0.00 min  
Lab File: BF101389.D  
Acq: 14 Dec 2017 12:18

Tgt Ion:117 Resp: 114153  
Ion Ratio Lower Upper  
117 100  
119 96.2 75.8 113.8  
201 92.2 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: 28.624 ng

RT: 7.23 min Scan# 874

Delta R.T. -0.01 min

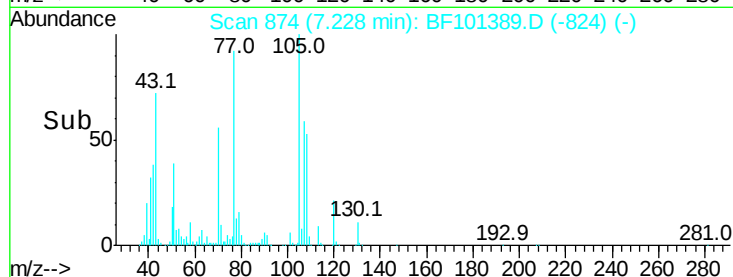
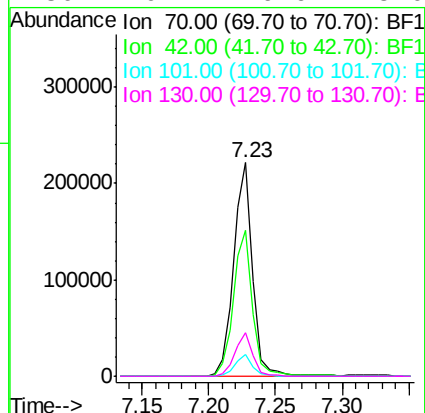
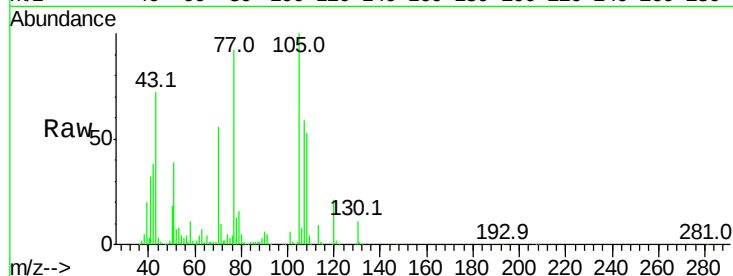
Lab File: BF101389.D

Acq: 14 Dec 2017 12:18

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion: 70 Resp: 221542

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 68.4  | 47.5  | 71.3  |
| 101 | 10.0  | 7.4   | 11.2  |
| 130 | 20.1  | 16.6  | 25.0  |



#20

3+4-Methylphenols

Concen: 28.226 ng

RT: 7.23 min Scan# 874

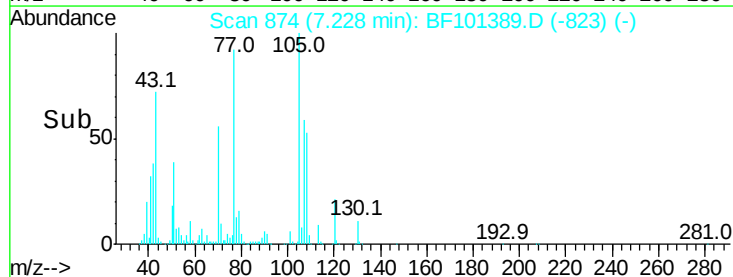
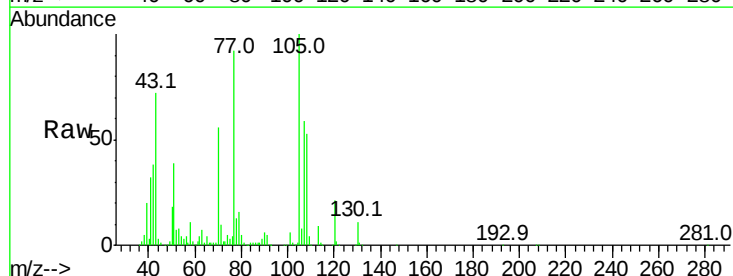
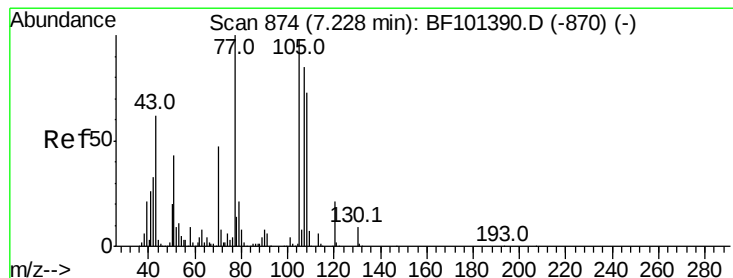
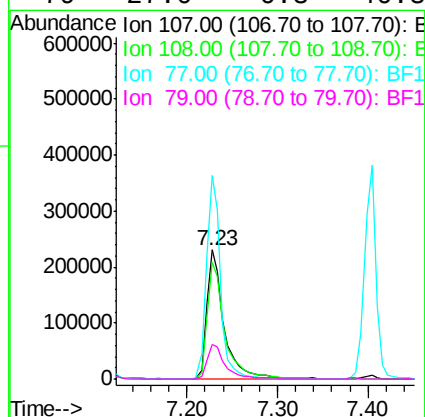
Delta R.T. -0.00 min

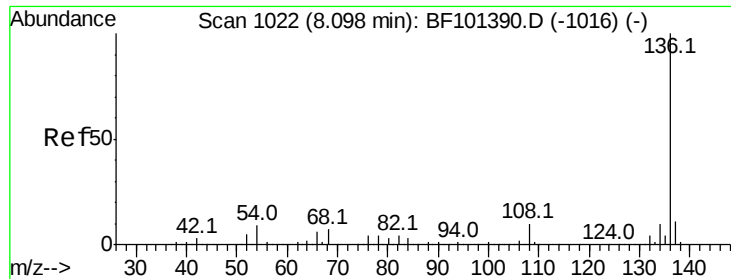
Lab File: BF101389.D

Acq: 14 Dec 2017 12:18

Tgt Ion: 107 Resp: 306783

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 107 | 100   |       |       |
| 108 | 90.6  | 68.2  | 108.2 |
| 77  | 157.6 | 26.7  | 66.7# |
| 79  | 27.0  | 6.3   | 46.3  |

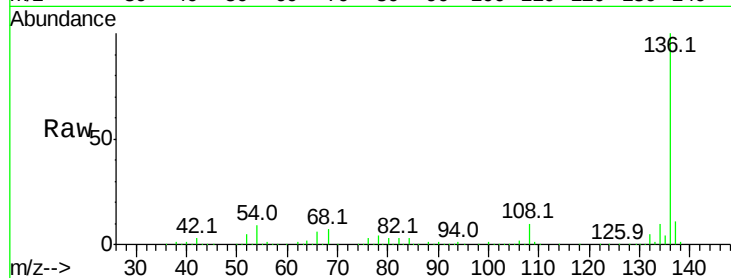




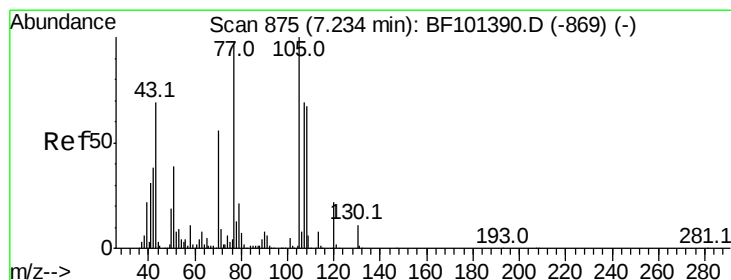
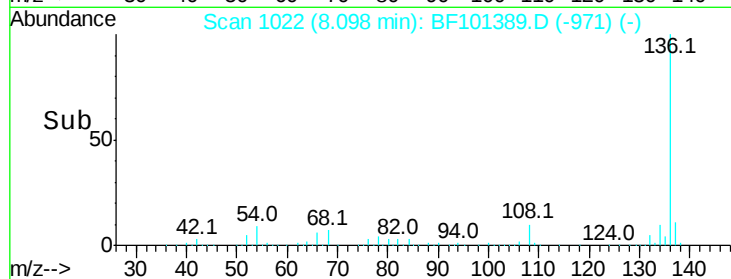
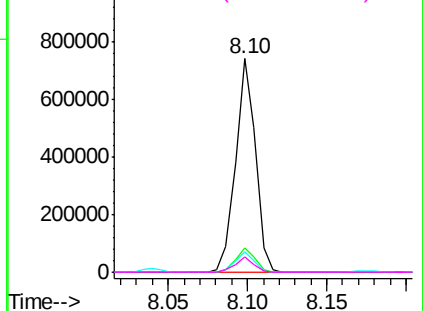
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.10 min Scan# 1022  
Delta R.T. -0.00 min  
Lab File: BF101389.D  
Acq: 14 Dec 2017 12:18

Instrument :  
BNA\_F  
ClientSampleId :

|             |              |
|-------------|--------------|
| Tot Ion:136 | Resp: 643066 |
| Ion Ratio   | Lower Upper  |
| 136 100     |              |
| 137 11.2    | 8.9 13.3     |
| 54 9.3      | 6.6 9.8      |
| 68 7.0      | 5.0 7.4      |

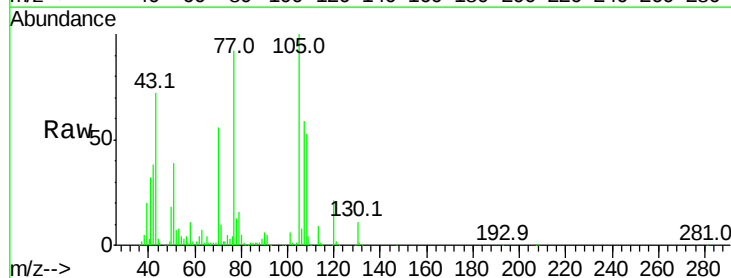


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

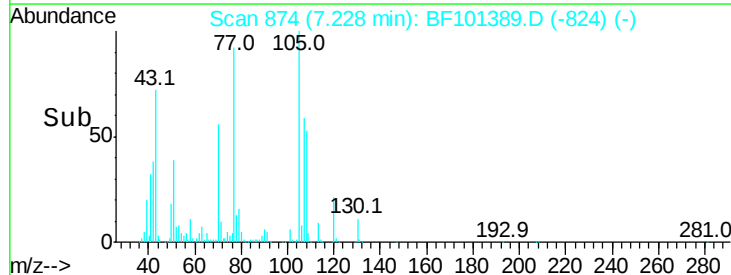
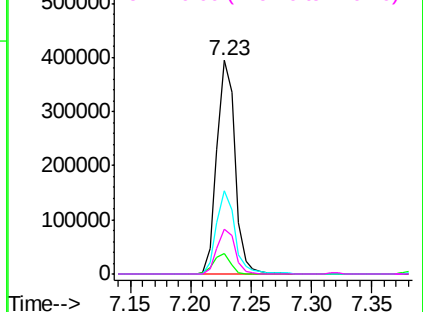


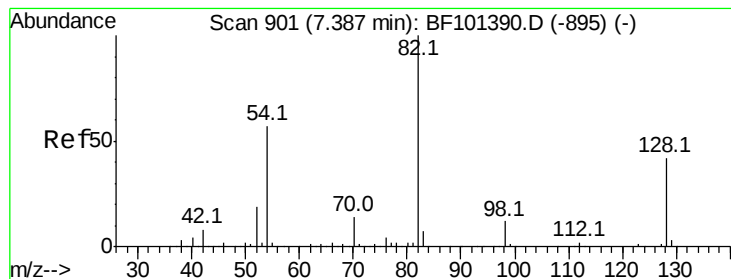
#22  
Acetophenone  
Concen: 26.078 ng  
RT: 7.23 min Scan# 874  
Delta R.T. -0.01 min  
Lab File: BF101389.D  
Acq: 14 Dec 2017 12:18

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:105 | Resp: | 405153 |
| Ion | Ratio   | Lower | Upper  |
| 105 | 100     |       |        |
| 71  | 9.6     | 4.4   | 6.6#   |
| 51  | 38.9    | 22.3  | 33.5#  |
| 120 | 21.0    | 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: 55.742 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.00 min

Lab File: BF101389.D

Acq: 14 Dec 2017 12:18

Instrument :

BNA\_F

ClientSampleId :

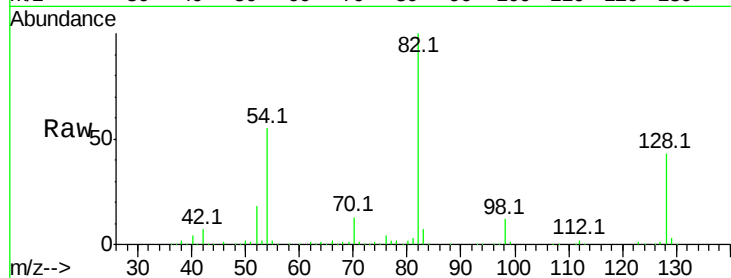
Tot Ion: 82 Resp: 600903

Ion Ratio Lower Upper

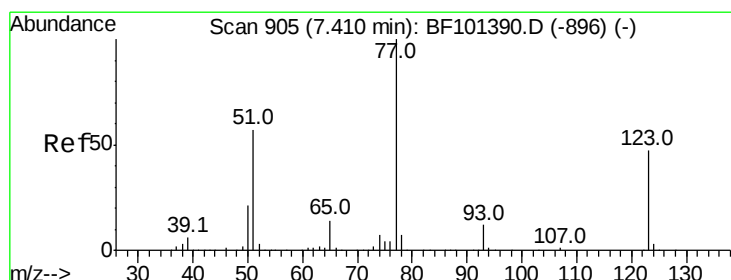
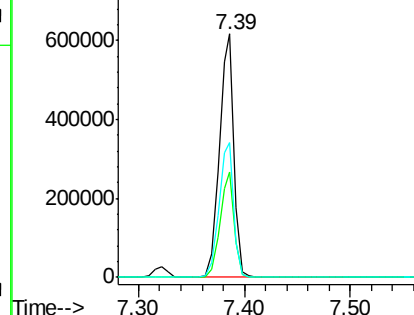
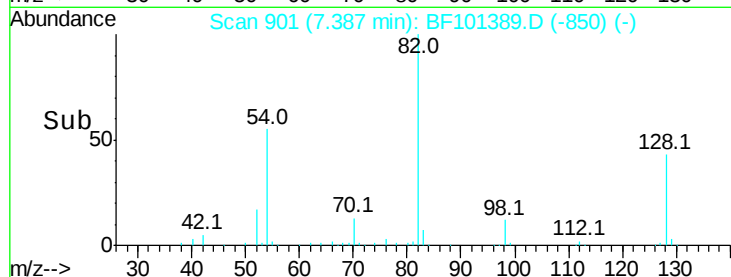
82 100

128 43.4 36.1 54.1

54 55.1 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): B  
Ion 54.00 (53.70 to 54.70): BF1



#24

Nitrobenzene

Concen: 31.651 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF101389.D

Acq: 14 Dec 2017 12:18

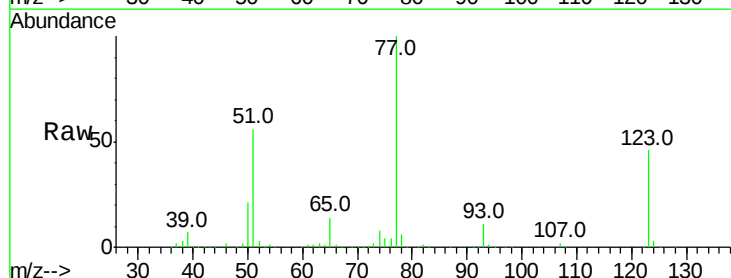
Tgt Ion: 77 Resp: 334406

Ion Ratio Lower Upper

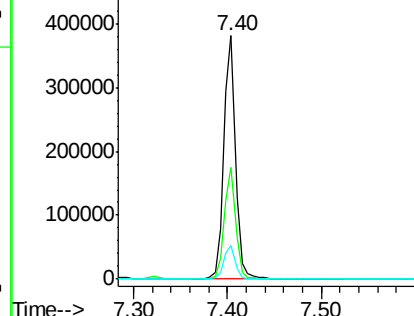
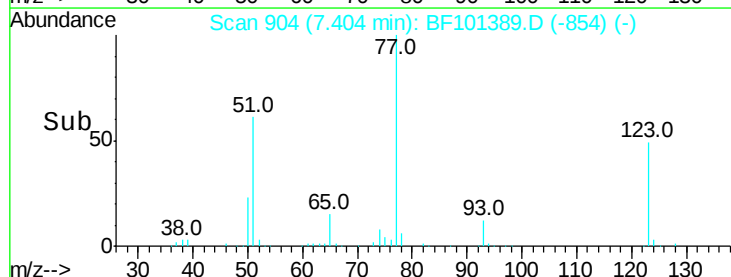
77 100

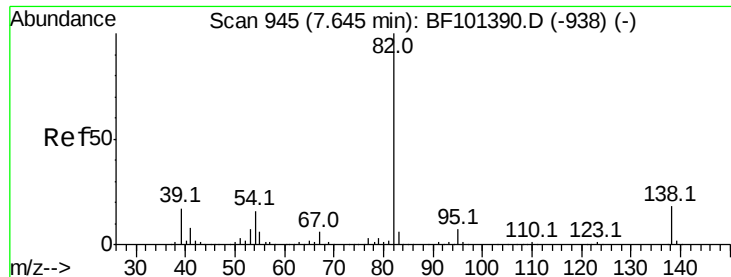
123 46.0 37.9 56.9

65 13.9 11.0 16.4



Abundance Ion 77.00 (76.70 to 77.70): BF1  
Ion 123.00 (122.70 to 123.70): B  
Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 31.243 ng

RT: 7.64 min Scan# 944

Delta R.T. -0.01 min

Lab File: BF101389.D

Acq: 14 Dec 2017 12:18

Instrument :

BNA\_F

ClientSampleId :

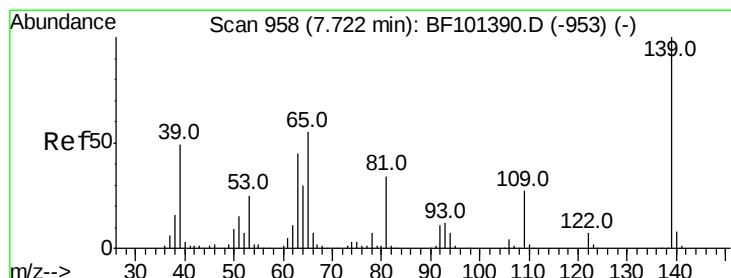
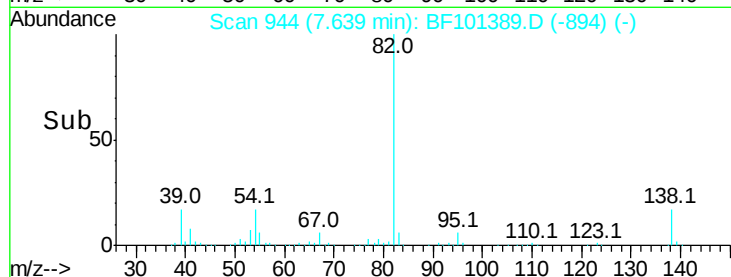
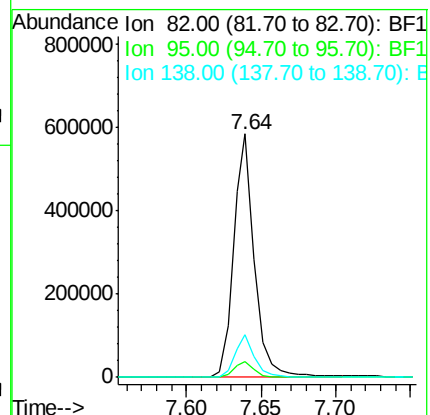
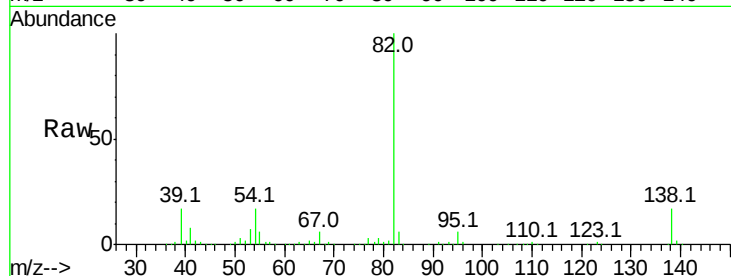
Tot Ion: 82 Resp: 575294

Ion Ratio Lower Upper

82 100

95 6.3 5.2 7.8

138 17.4 14.9 22.3



#26

2-Nitrophenol

Concen: 24.410 ng

RT: 7.72 min Scan# 958

Delta R.T. -0.00 min

Lab File: BF101389.D

Acq: 14 Dec 2017 12:18

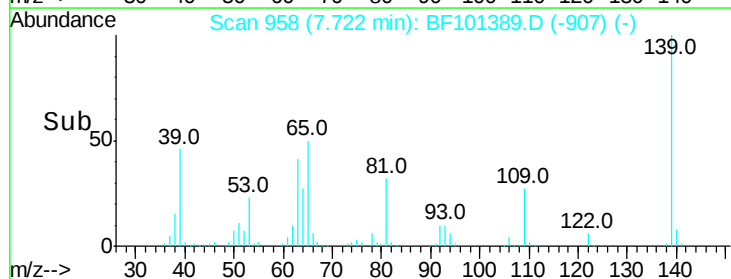
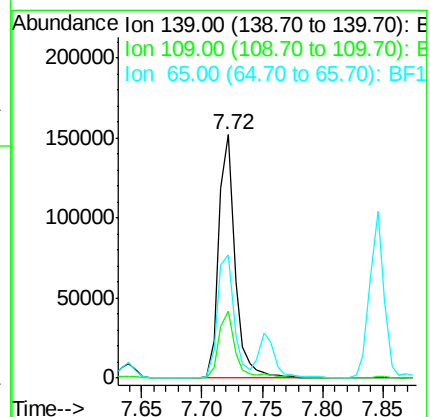
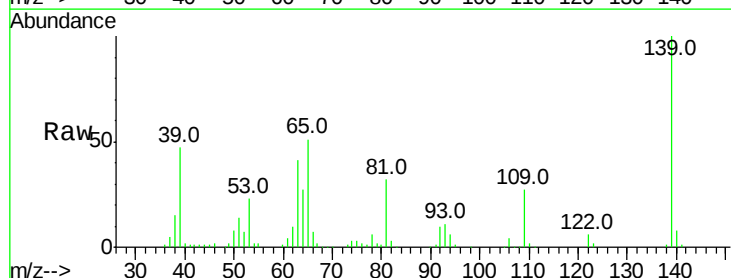
Tgt Ion: 139 Resp: 141572

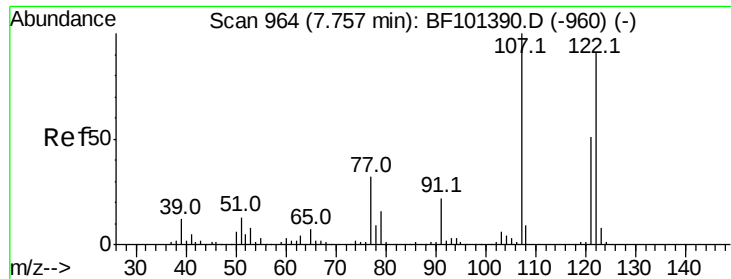
Ion Ratio Lower Upper

139 100

109 27.4 22.7 34.1

65 50.8 40.5 60.7

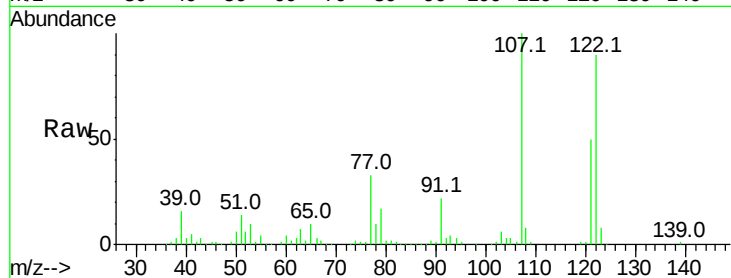




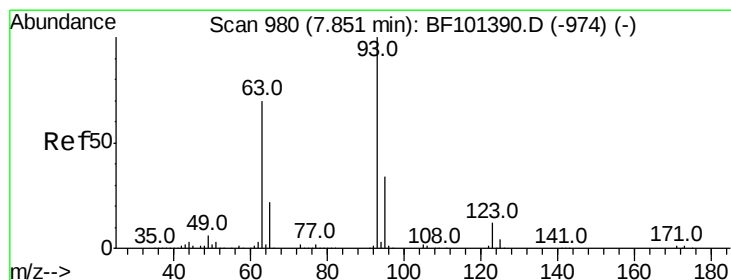
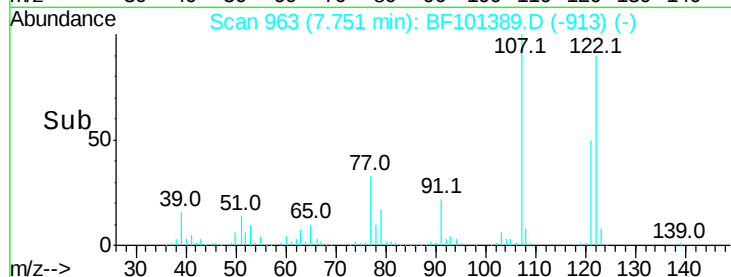
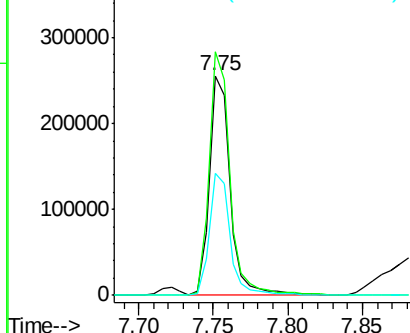
#27  
2,4-Dimethylphenol  
Concen: 29.270 ng  
RT: 7.75 min Scan# 963  
Delta R.T. -0.01 min  
Lab File: BF101389.D  
Acq: 14 Dec 2017 12:18

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:122 Resp: 245578  
Ion Ratio Lower Upper  
122 100  
107 111.0 91.2 136.8  
121 55.4 47.2 70.8

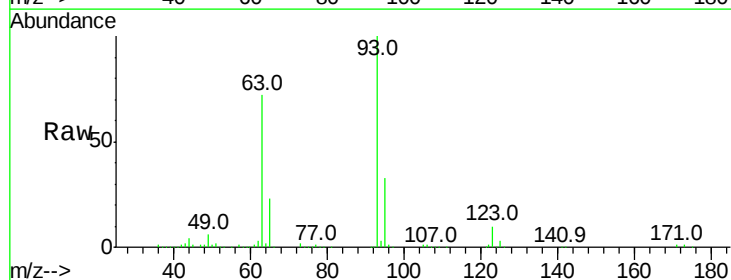


Abundance Ion 122.00 (121.70 to 122.70): E  
Ion 107.00 (106.70 to 107.70): E  
Ion 121.00 (120.70 to 121.70): E

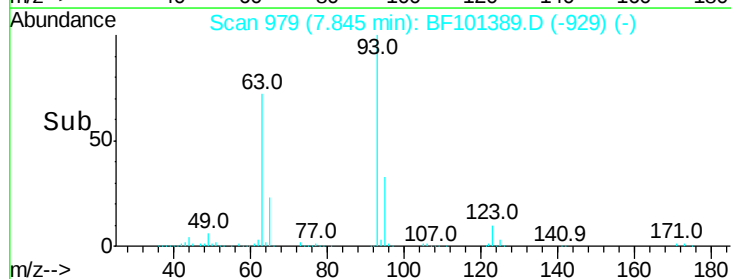
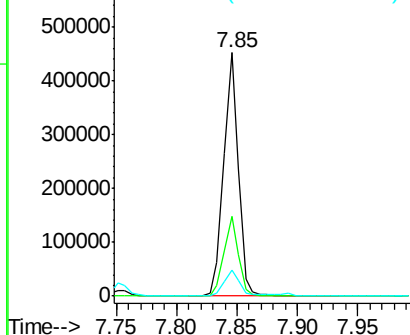


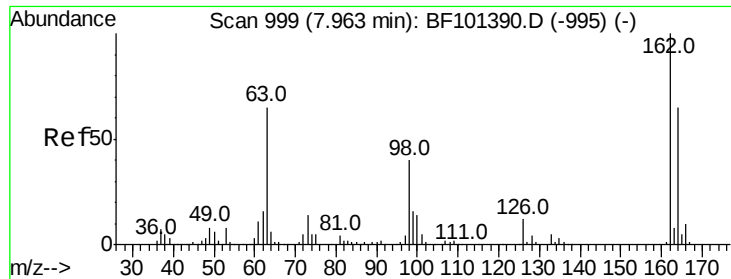
#28  
bis(2-Chloroethoxy)methane  
Concen: 30.646 ng  
RT: 7.85 min Scan# 979  
Delta R.T. -0.01 min  
Lab File: BF101389.D  
Acq: 14 Dec 2017 12:18

Tgt Ion: 93 Resp: 379275  
Ion Ratio Lower Upper  
93 100  
95 32.6 26.3 39.5  
123 10.5 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

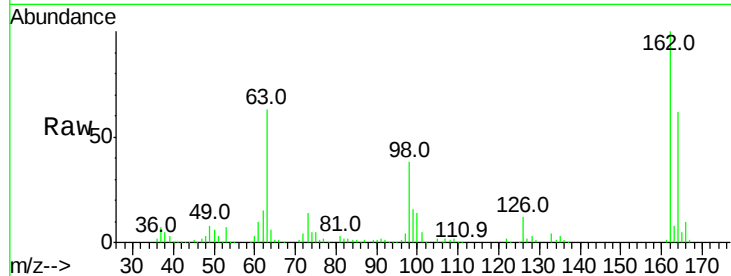




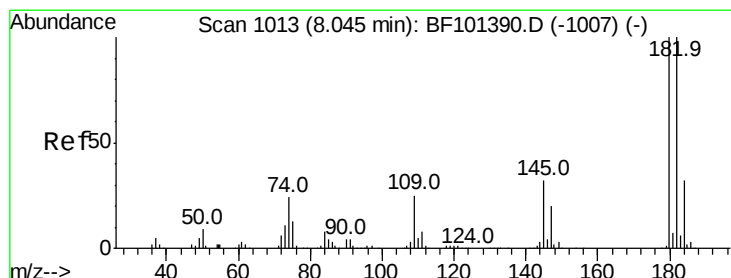
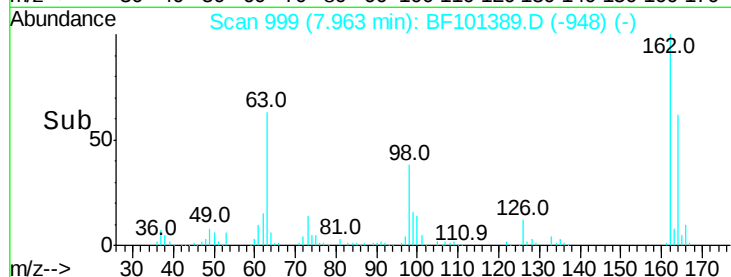
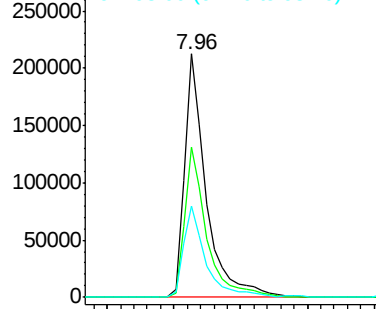
#29  
2,4-Dichlorophenol  
Concen: 26.457 ng  
RT: 7.96 min Scan# 999  
Delta R.T. -0.00 min  
Lab File: BF101389.D  
Acq: 14 Dec 2017 12:18

Instrument :  
BNA\_F  
ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 61.8  | 42.7  | 82.7  |
| 98      | 37.7  | 18.1  | 58.1  |

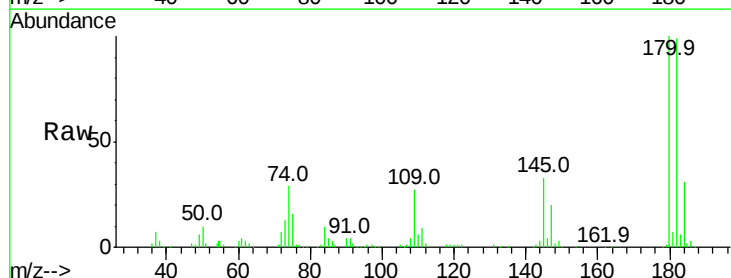


Abundance Ion 162.00 (161.70 to 162.70): E  
Ion 164.00 (163.70 to 164.70): E  
Ion 98.00 (97.70 to 98.70): BF1

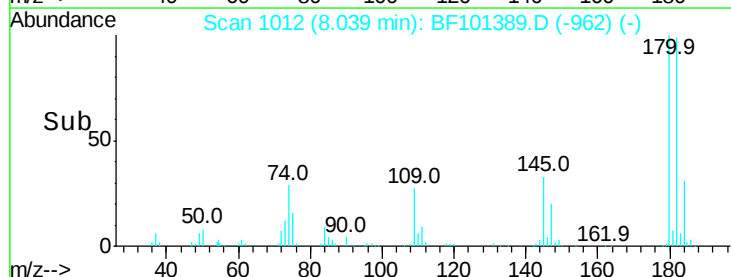
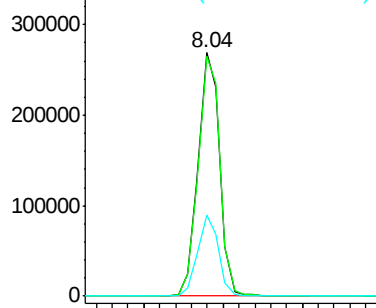


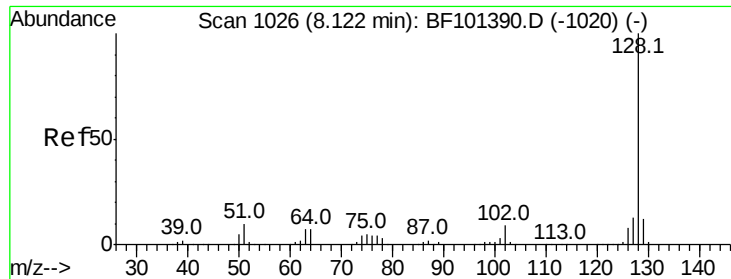
#30  
1,2,4-Trichlorobenzene  
Concen: 25.227 ng  
RT: 8.04 min Scan# 1012  
Delta R.T. -0.01 min  
Lab File: BF101389.D  
Acq: 14 Dec 2017 12:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 98.6  | 76.8  | 115.2 |
| 145     | 33.1  | 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

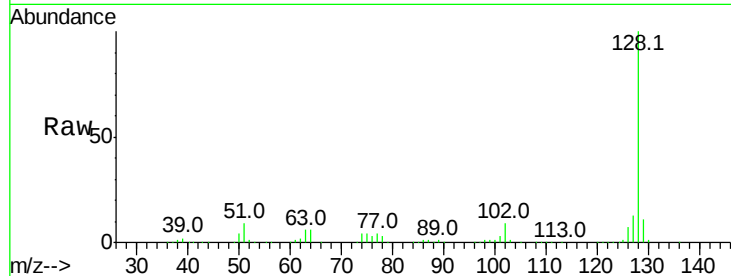




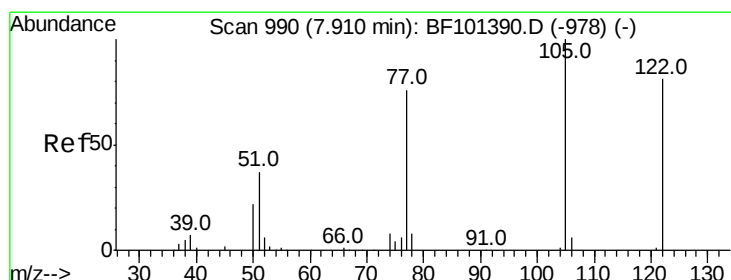
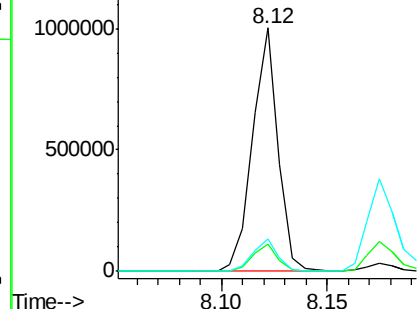
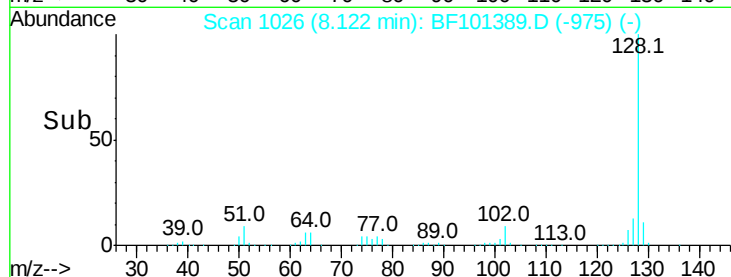
#31  
Naphthalene  
Concen: 26.462 ng  
RT: 8.12 min Scan# 1026  
Delta R.T. -0.00 min  
Lab File: BF101389.D  
Acq: 14 Dec 2017 12:18

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:128 Resp: 838688  
Ion Ratio Lower Upper  
128 100  
129 11.2 8.8 13.2  
127 13.2 10.9 16.3

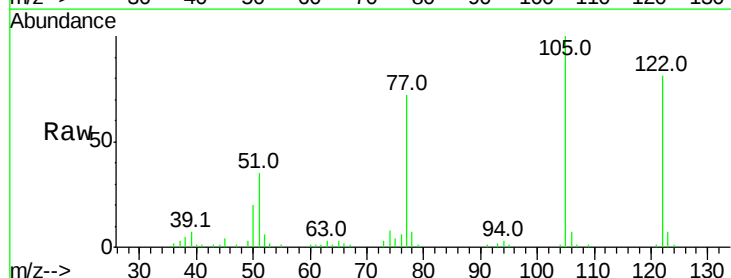


Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E

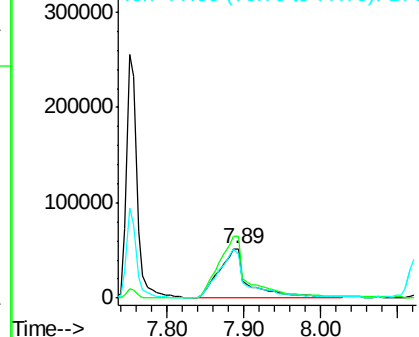
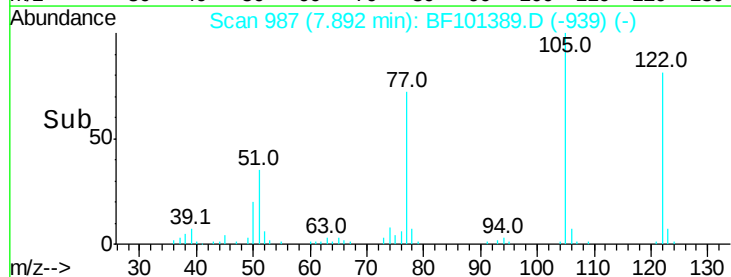


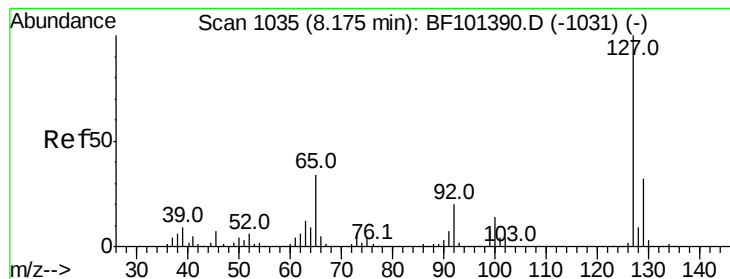
#32  
Benzoic acid  
Concen: 20.171 ng  
RT: 7.89 min Scan# 987  
Delta R.T. -0.02 min  
Lab File: BF101389.D  
Acq: 14 Dec 2017 12:18

Tgt Ion:122 Resp: 131625  
Ion Ratio Lower Upper  
122 100  
105 124.2 101.1 141.1  
77 88.9 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: 28.914 ng

RT: 8.17 min Scan# 1035

Delta R.T. -0.00 min

Lab File: BF101389.D

Acq: 14 Dec 2017 12:18

Instrument :

BNA\_F

ClientSampled :

Tot Ion:127 Resp: 368207

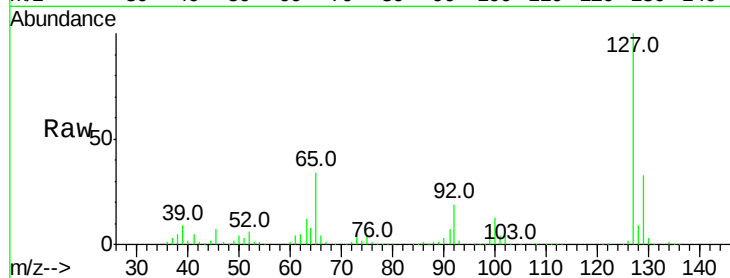
Ion Ratio Lower Upper

127 100

129 32.5 25.9 38.9

65 34.0 25.0 37.4

92 19.3 15.2 22.8

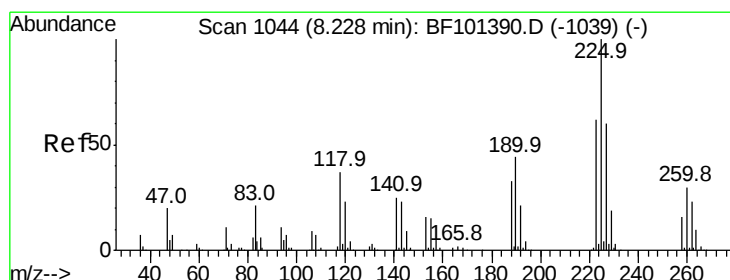
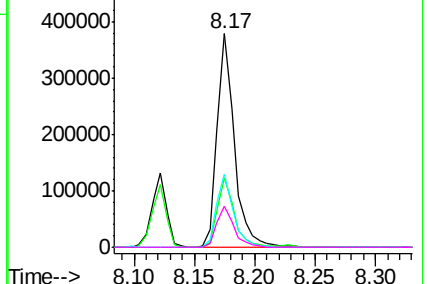
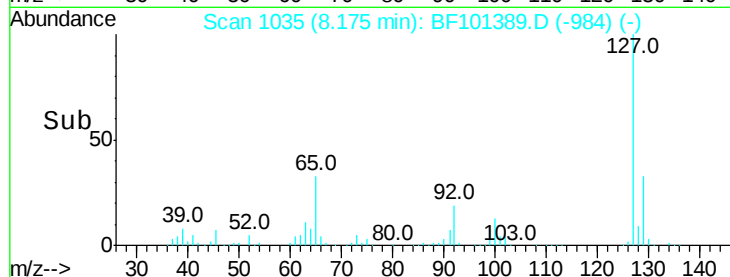


Abundance Ion 127.00 (126.70 to 127.70): E

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: 23.506 ng

RT: 8.23 min Scan# 1044

Delta R.T. -0.00 min

Lab File: BF101389.D

Acq: 14 Dec 2017 12:18

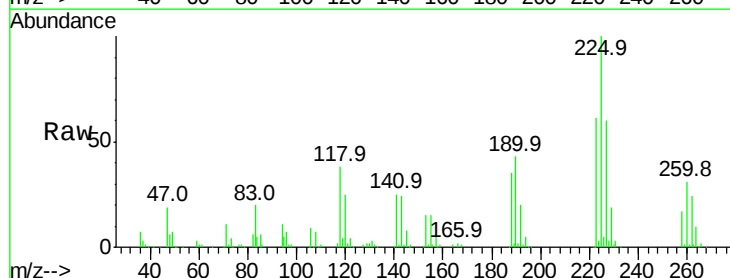
Tgt Ion:225 Resp: 144778

Ion Ratio Lower Upper

225 100

223 60.7 50.6 76.0

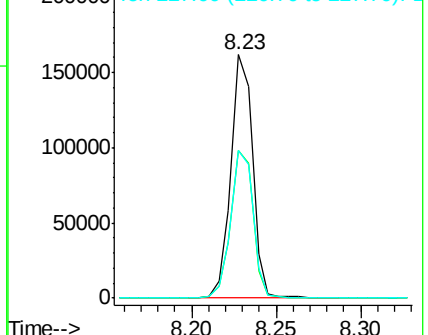
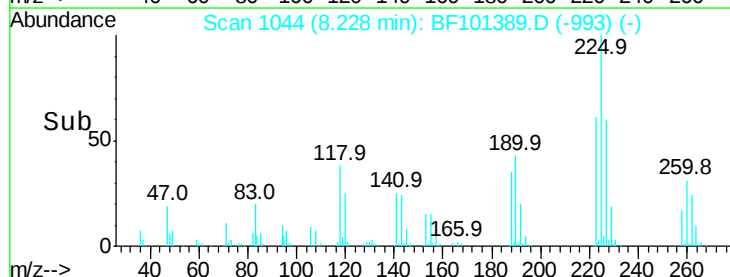
227 60.4 51.9 77.9

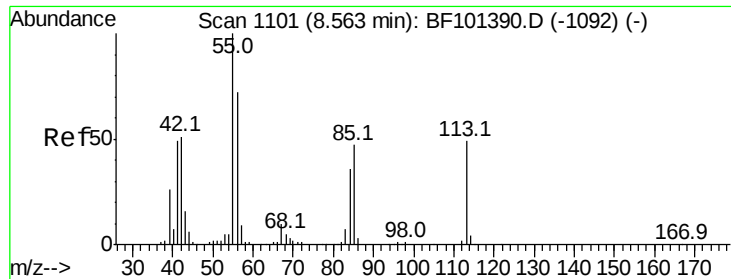


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 28.945 ng

RT: 8.55 min Scan# 1098

Delta R.T. -0.02 min

Lab File: BF101389.D

Acq: 14 Dec 2017 12:18

Instrument :

BNA\_F

ClientSampled :

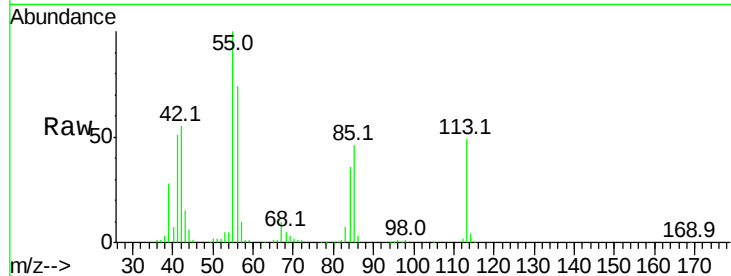
Tot Ion:113 Resp: 82381

Ion Ratio Lower Upper

113 100

55 203.5 163.3 203.3#

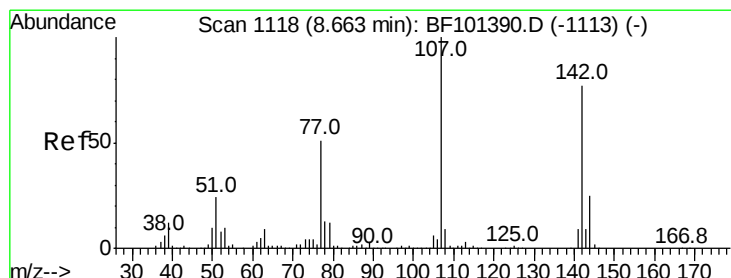
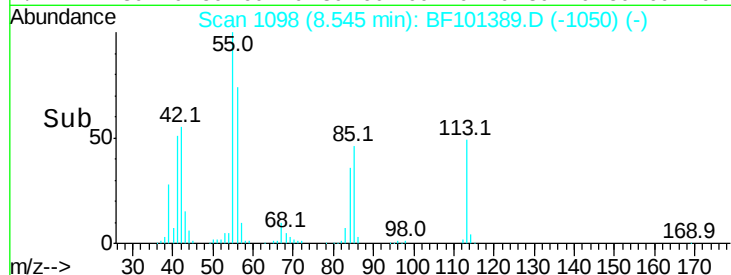
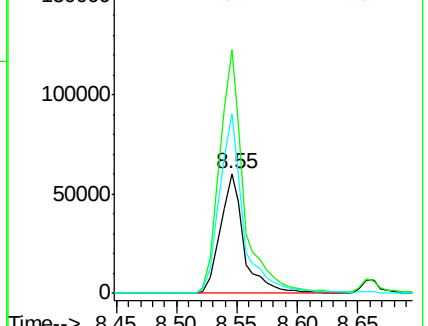
56 149.6 115.7 155.7



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#36

4-Chloro-3-methylphenol

Concen: 27.942 ng

RT: 8.66 min Scan# 1117

Delta R.T. -0.01 min

Lab File: BF101389.D

Acq: 14 Dec 2017 12:18

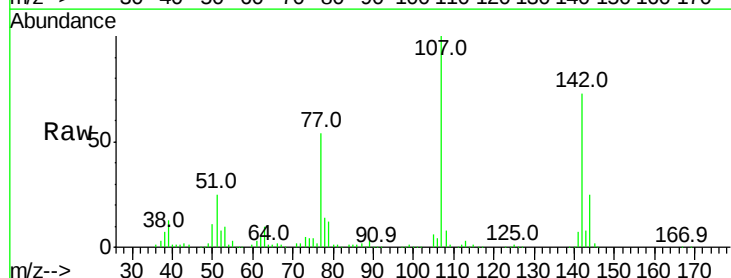
Tgt Ion:107 Resp: 264333

Ion Ratio Lower Upper

107 100

144 25.0 20.5 30.7

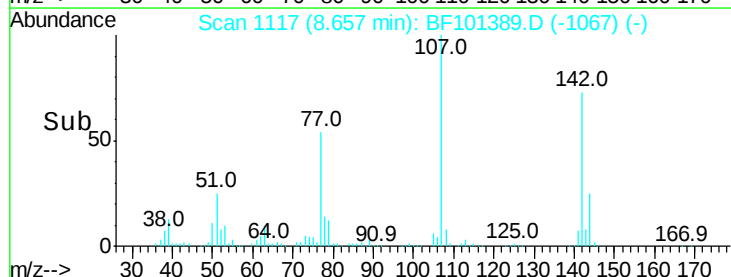
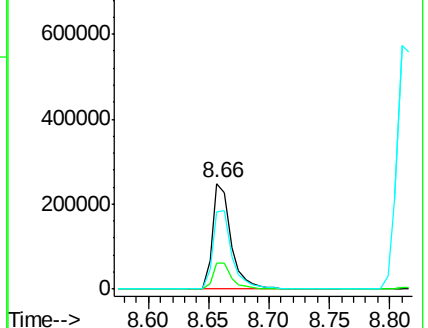
142 73.0 62.0 93.0

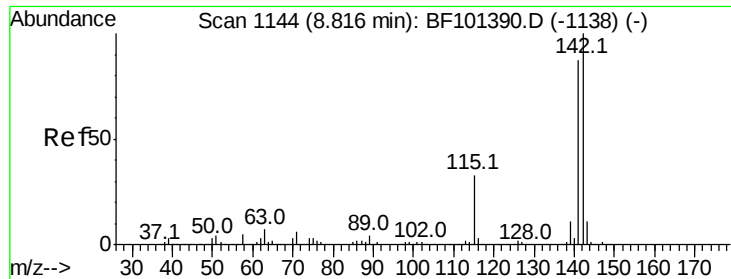


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

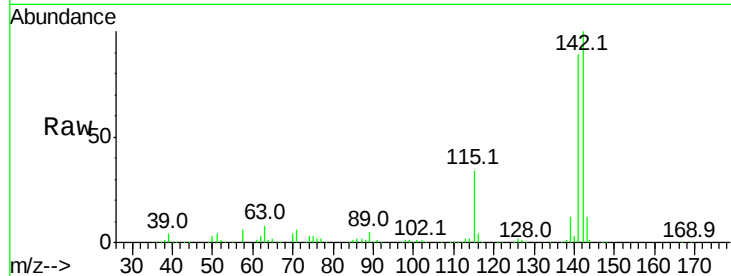




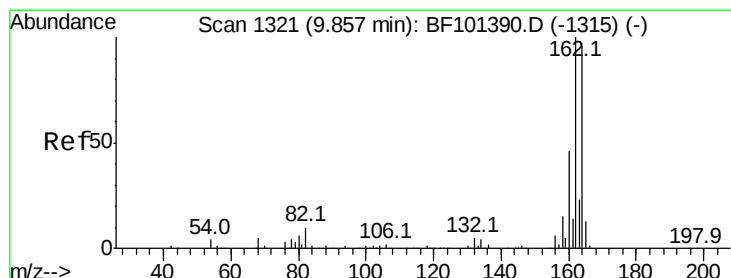
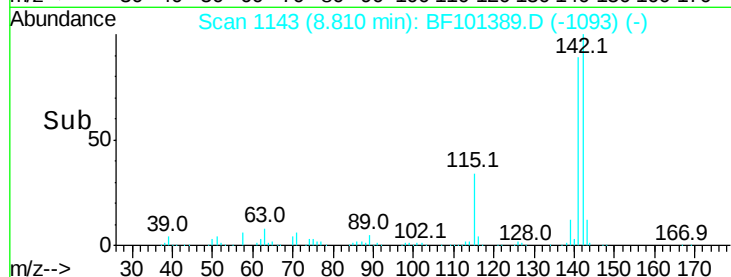
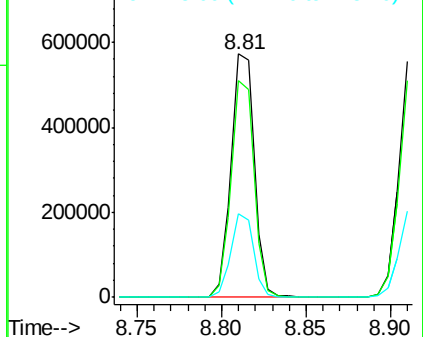
#37  
2-Methylnaphthalene  
Concen: 25.497 ng  
RT: 8.81 min Scan# 1143  
Delta R.T. -0.01 min  
Lab File: BF101389.D  
Acq: 14 Dec 2017 12:18

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 88.9  | 70.8  | 106.2 |
| 115     | 34.2  | 26.1  | 39.1  |

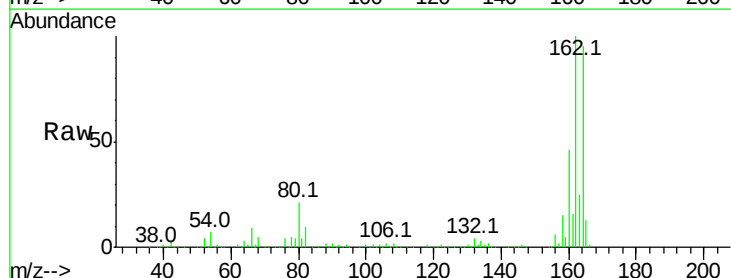


Abundance Ion 142.00 (141.70 to 142.70): E  
Ion 141.00 (140.70 to 141.70): E  
Ion 115.00 (114.70 to 115.70): E

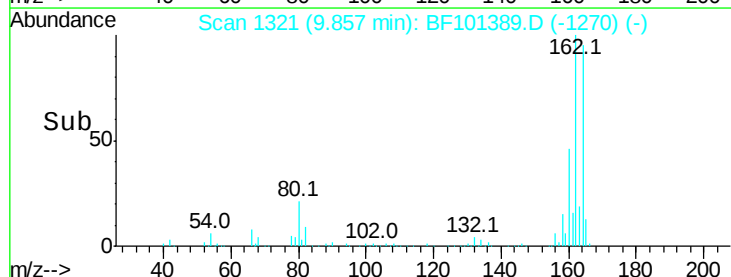
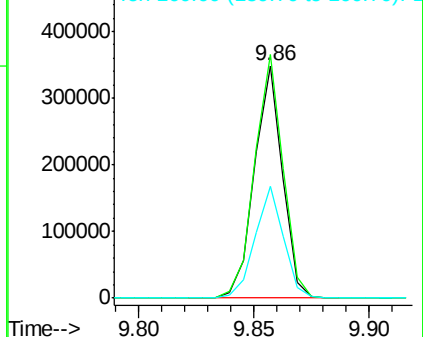


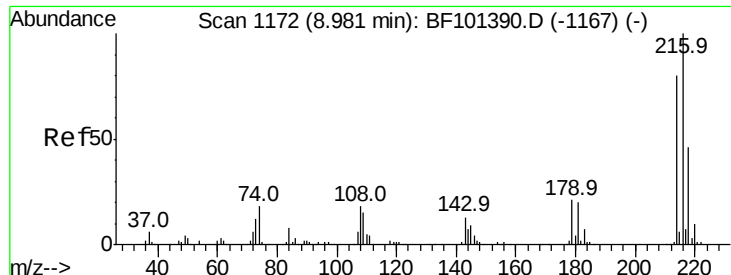
#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.86 min Scan# 1321  
Delta R.T. -0.00 min  
Lab File: BF101389.D  
Acq: 14 Dec 2017 12:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 104.7 | 86.1  | 129.1 |
| 160     | 47.9  | 38.3  | 57.5  |



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

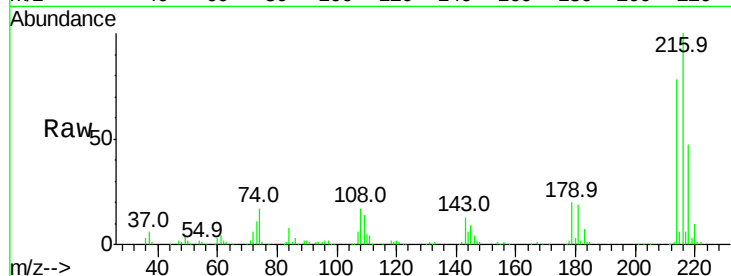




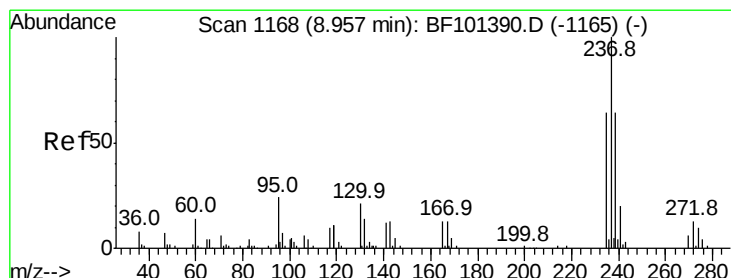
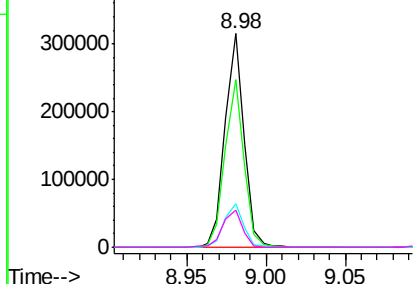
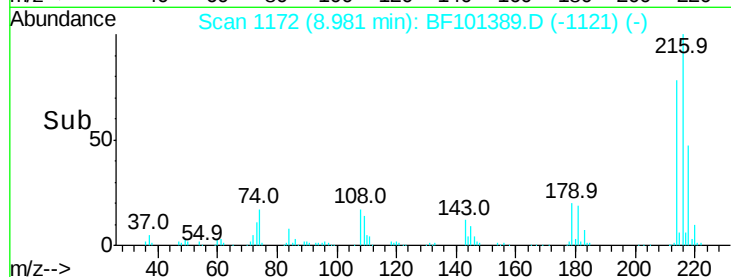
#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 24.312 ng  
 RT: 8.98 min Scan# 1172  
 Delta R.T. -0.00 min  
 Lab File: BF101389.D  
 Acq: 14 Dec 2017 12:18

Instrument :  
 BNA\_F  
 ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 216   | Resp: | 260683 |
| Ion      | Ratio | Lower | Upper  |
| 216      | 100   |       |        |
| 214      | 78.5  | 63.0  | 94.4   |
| 179      | 20.8  | 18.1  | 27.1   |
| 108      | 18.4  | 17.2  | 25.8   |

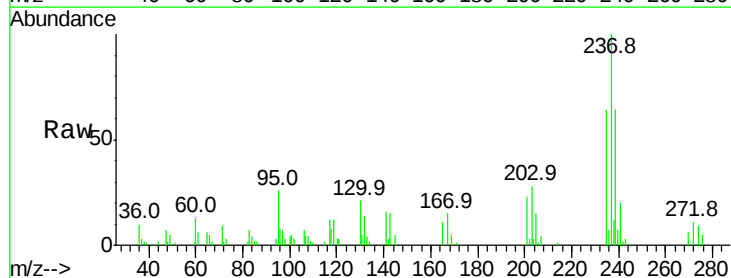


Abundance Ion 216.00 (215.70 to 216.70): E  
 Ion 214.00 (213.70 to 214.70): E  
 Ion 179.00 (178.70 to 179.70): E  
 Ion 108.00 (107.70 to 108.70): E

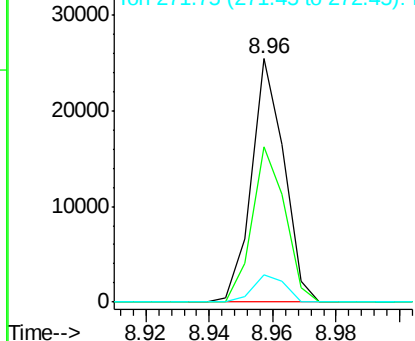
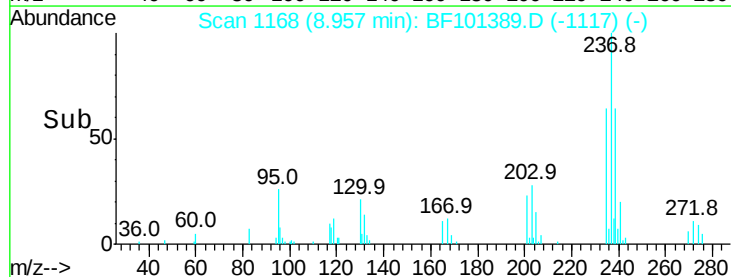


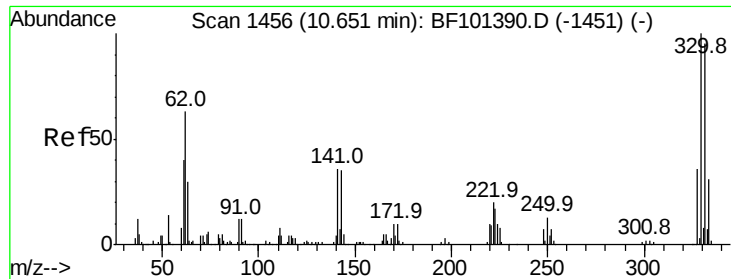
#40  
 Hexachlorocyclopentadiene  
 Concen: 5.676 ng  
 RT: 8.96 min Scan# 1168  
 Delta R.T. -0.00 min  
 Lab File: BF101389.D  
 Acq: 14 Dec 2017 12:18

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 237   | Resp: | 18034 |
| Ion      | Ratio | Lower | Upper |
| 237      | 100   |       |       |
| 235      | 63.6  | 44.8  | 84.8  |
| 272      | 11.2  | 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

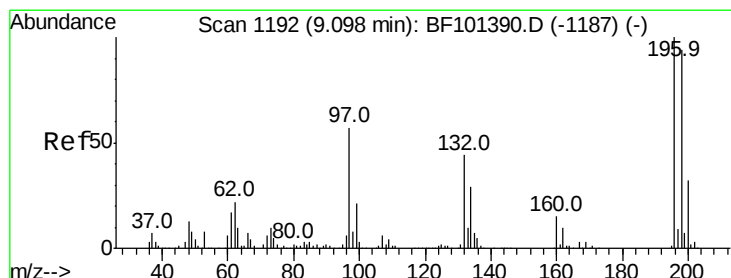
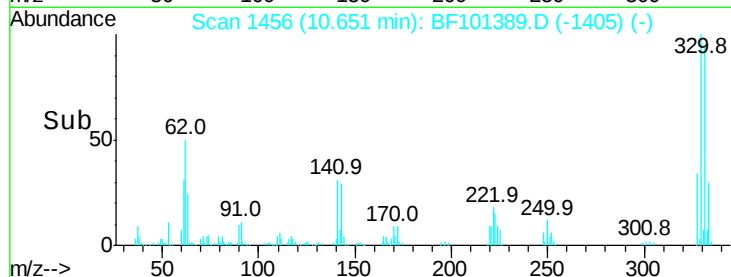
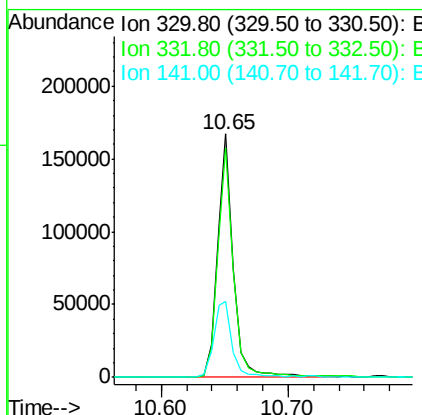
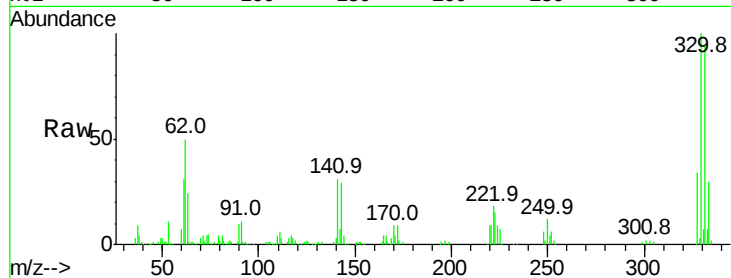




#41  
 2,4,6-Tribromophenol  
 Concen: 41.580 ng  
 RT: 10.65 min Scan# 1456  
 Delta R.T. -0.00 min  
 Lab File: BF101389.D  
 Acq: 14 Dec 2017 12:18

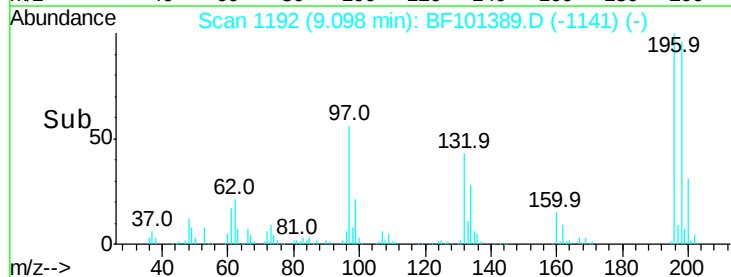
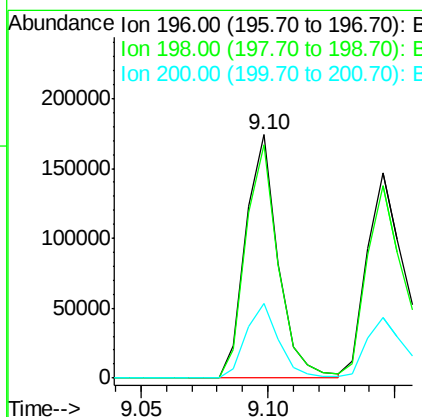
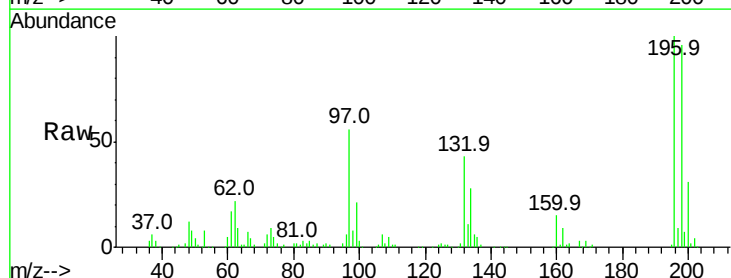
Instrument :  
 BNA\_F  
 ClientSampled :

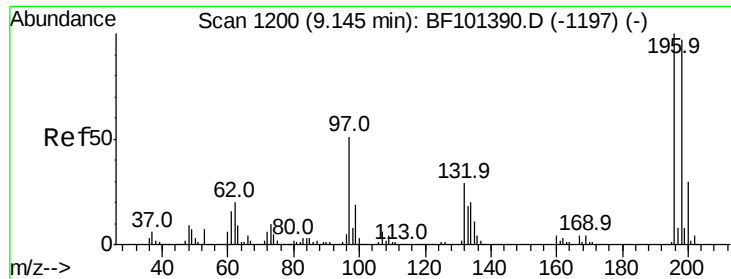
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 94.7  | 77.0  | 115.6 |
| 141     | 36.1  | 29.9  | 44.9  |



#42  
 2,4,6-Trichlorophenol  
 Concen: 24.775 ng  
 RT: 9.10 min Scan# 1192  
 Delta R.T. -0.00 min  
 Lab File: BF101389.D  
 Acq: 14 Dec 2017 12:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 95.8  | 75.7  | 113.5 |
| 200     | 30.6  | 24.5  | 36.7  |

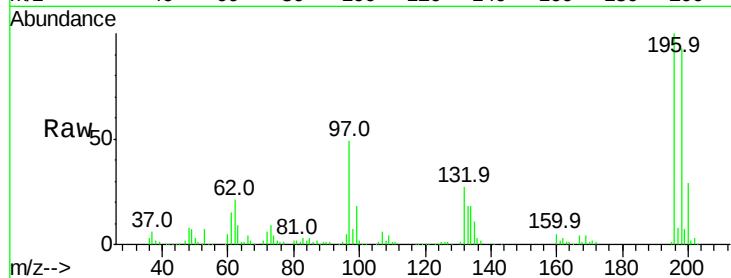




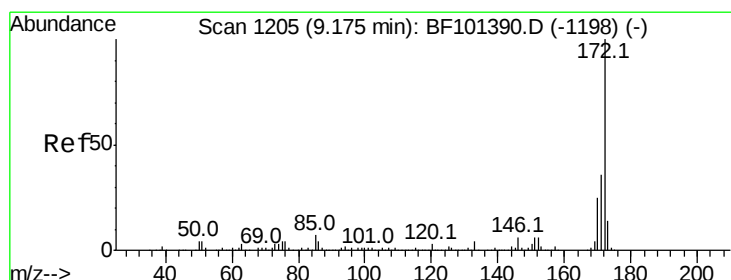
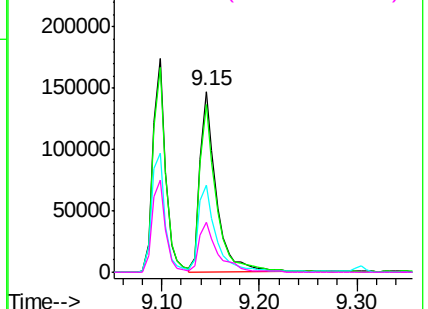
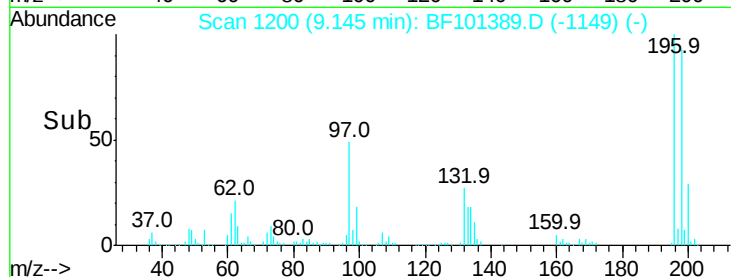
#43  
2,4,5-Trichlorophenol  
Concen: 25.650 ng  
RT: 9.15 min Scan# 1200  
Delta R.T. -0.00 min  
Lab File: BF101389.D  
Acq: 14 Dec 2017 12:18

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:196 Resp: 172361  
Ion Ratio Lower Upper  
196 100  
198 93.3 74.6 112.0  
97 48.5 42.9 64.3  
132 27.5 26.3 39.5

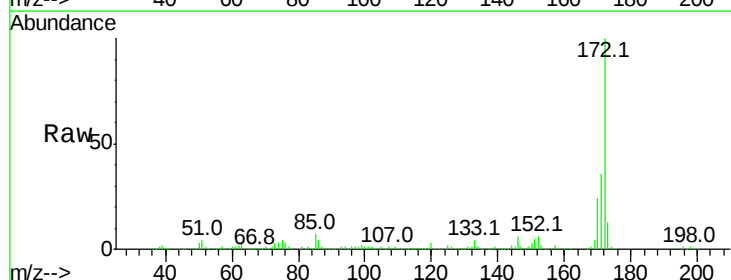


Abundance Ion 196.00 (195.70 to 196.70): E  
Ion 198.00 (197.70 to 198.70): E  
Ion 97.00 (96.70 to 97.70): BF1  
Ion 132.00 (131.70 to 132.70): E

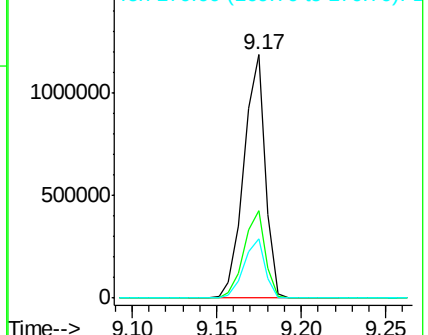
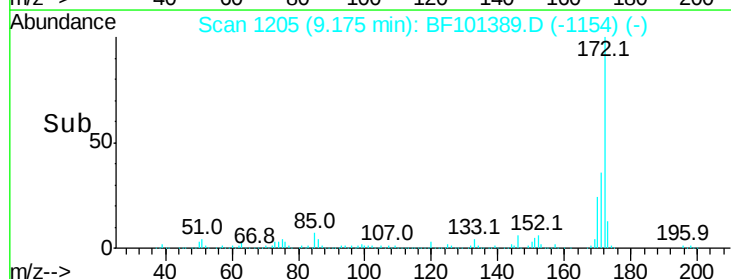


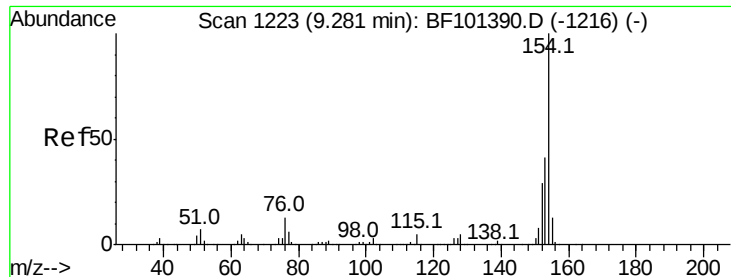
#44  
2-Fluorobiphenyl  
Concen: 48.911 ng  
RT: 9.17 min Scan# 1205  
Delta R.T. -0.00 min  
Lab File: BF101389.D  
Acq: 14 Dec 2017 12:18

Tgt Ion:172 Resp: 1055128  
Ion Ratio Lower Upper  
172 100  
171 35.9 29.7 44.5  
170 24.1 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

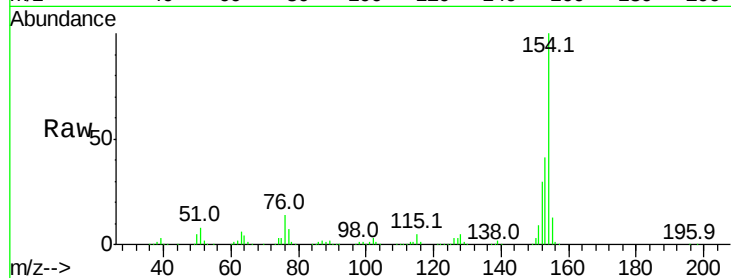




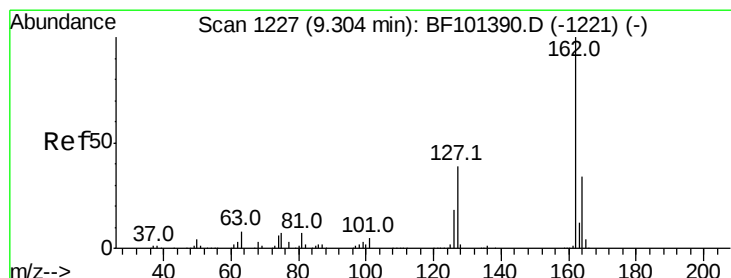
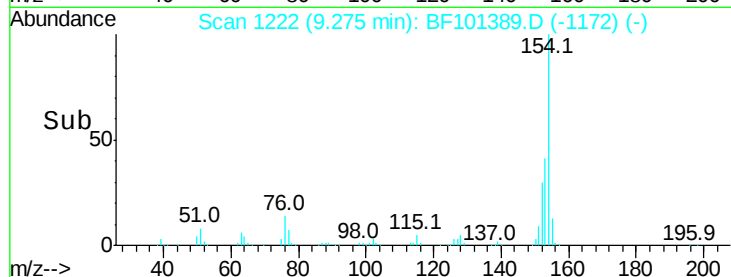
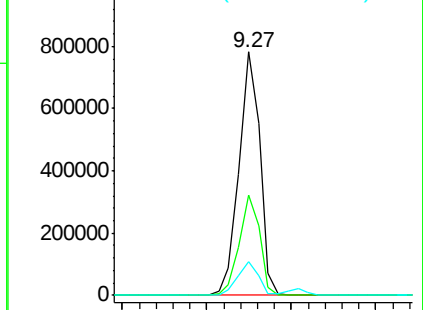
#45  
 1,1'-Biphenyl  
 Concen: 24.880 ng  
 RT: 9.27 min Scan# 1222  
 Delta R.T. -0.01 min  
 Lab File: BF101389.D  
 Acq: 14 Dec 2017 12:18

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 41.3  | 21.3  | 61.3  |
| 76      | 14.0  | 0.0   | 34.0  |

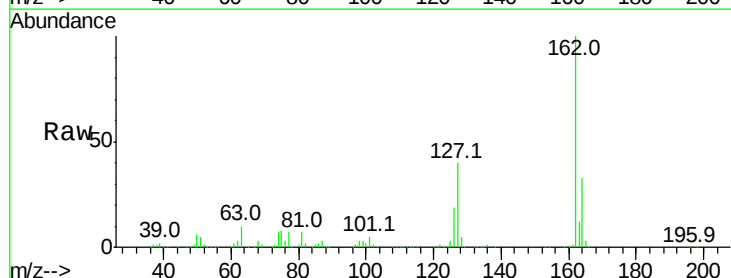


Abundance Ion 154.00 (153.70 to 154.70): E  
 Ion 153.00 (152.70 to 153.70): E  
 Ion 76.00 (75.70 to 76.70): BF1

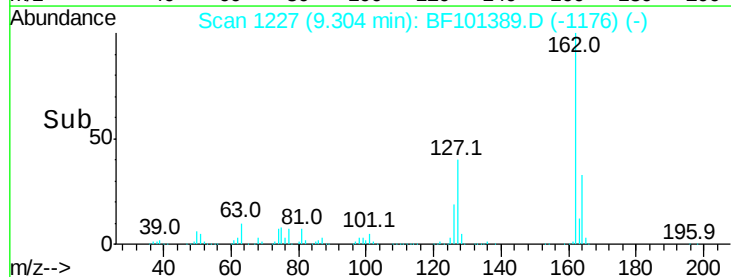
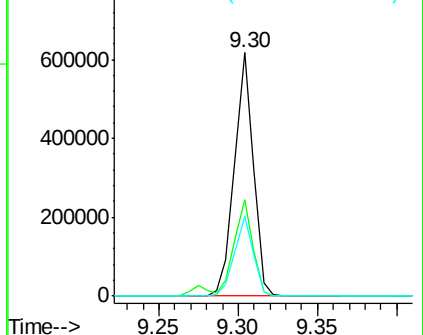


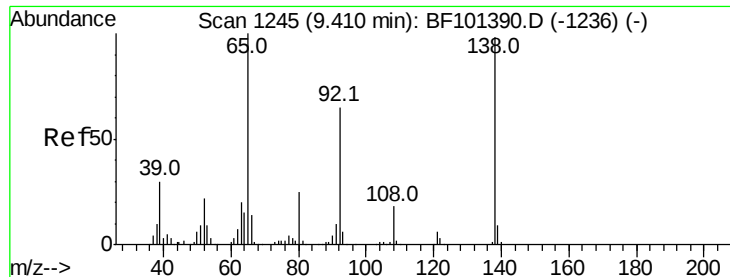
#46  
 2-Chloronaphthalene  
 Concen: 26.787 ng  
 RT: 9.30 min Scan# 1227  
 Delta R.T. -0.00 min  
 Lab File: BF101389.D  
 Acq: 14 Dec 2017 12:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 39.8  | 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

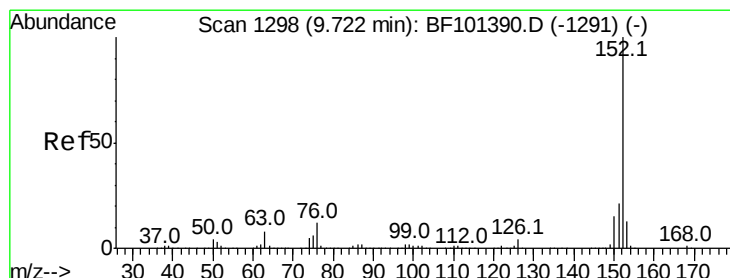
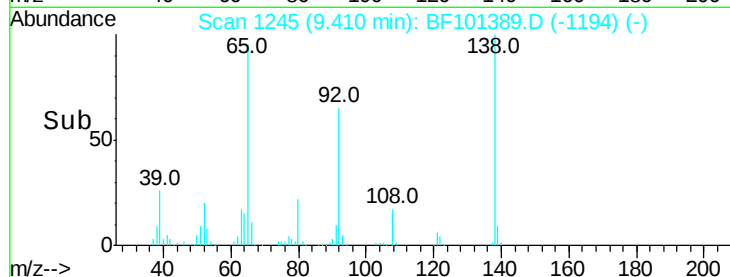
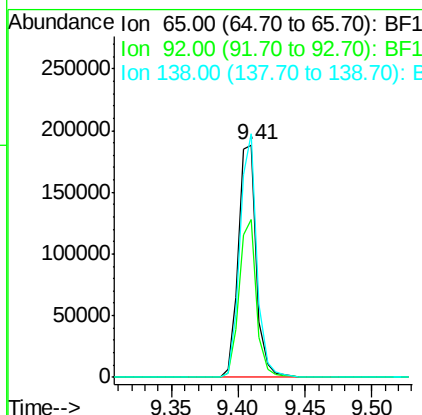
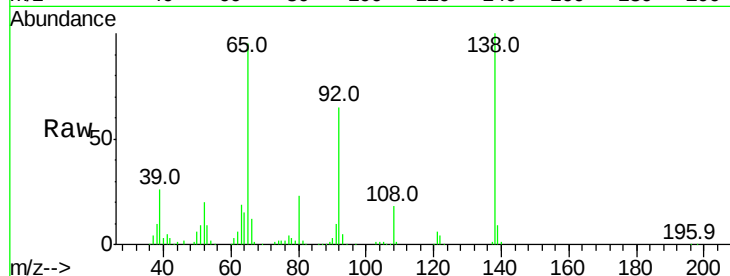




#47  
2-Nitroaniline  
Concen: 31.747 ng  
RT: 9.41 min Scan# 1245  
Delta R.T. -0.00 min  
Lab File: BF101389.D  
Acq: 14 Dec 2017 12:18

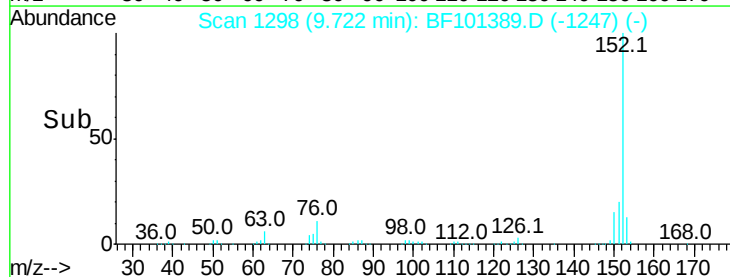
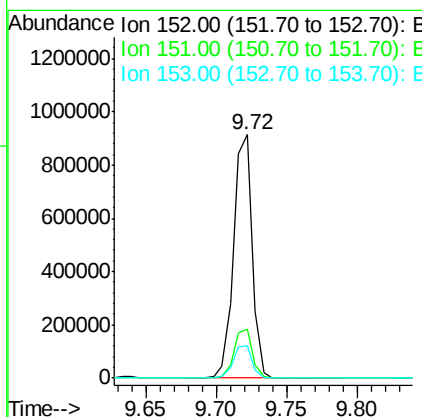
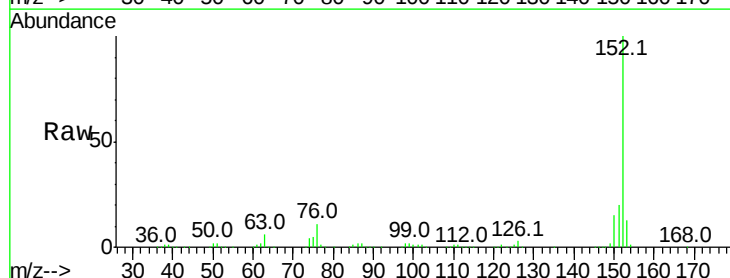
Instrument :  
BNA\_F  
ClientSampled :

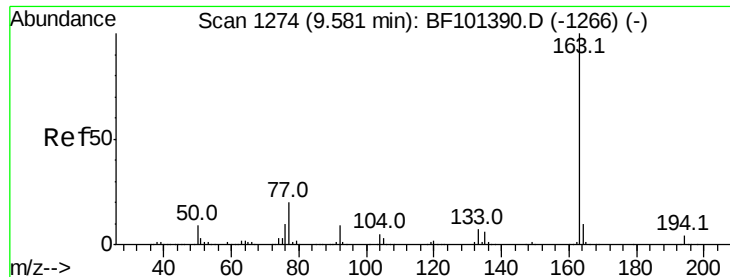
Tot Ion: 65 Resp: 180385  
Ion Ratio Lower Upper  
65 100  
92 68.2 55.8 83.6  
138 104.8 91.2 136.8



#48  
Acenaphthylene  
Concen: 26.445 ng  
RT: 9.72 min Scan# 1298  
Delta R.T. -0.00 min  
Lab File: BF101389.D  
Acq: 14 Dec 2017 12:18

Tgt Ion: 152 Resp: 834642  
Ion Ratio Lower Upper  
152 100  
151 20.4 16.3 24.5  
153 13.1 10.7 16.1

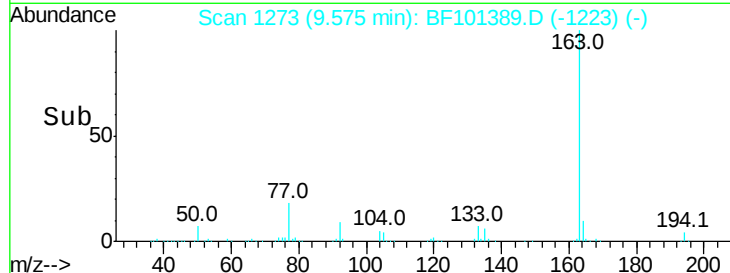
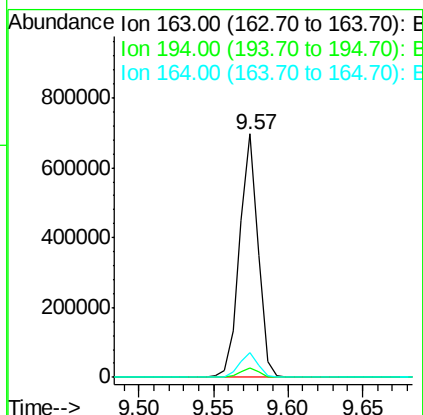
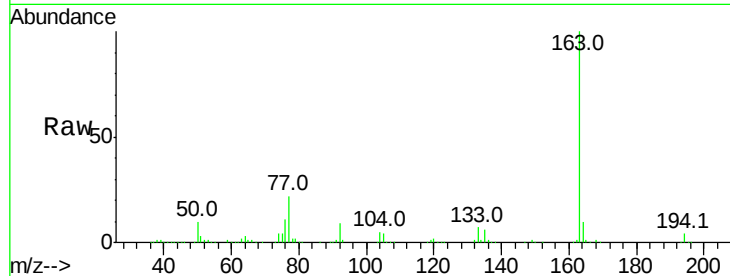




#49  
Dimethylphthalate  
Concen: 25.324 ng  
RT: 9.57 min Scan# 1273  
Delta R.T. -0.01 min  
Lab File: BF101389.D  
Acq: 14 Dec 2017 12:18

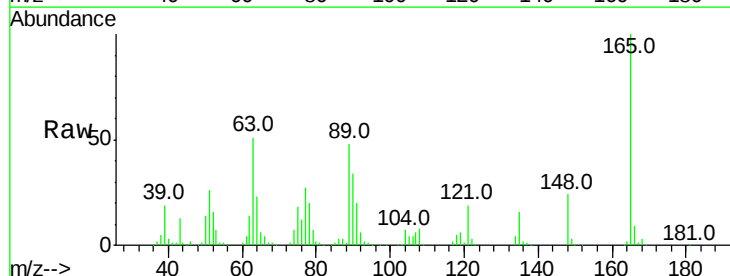
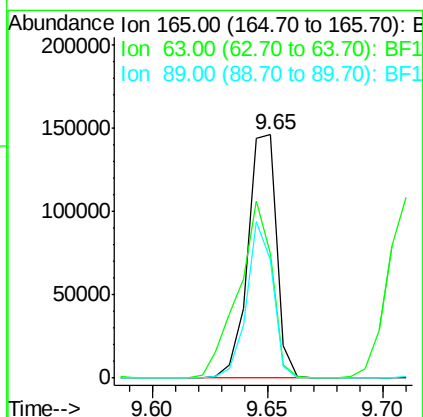
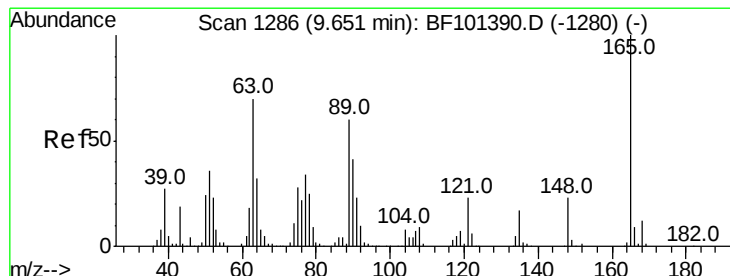
Instrument :  
BNA\_F  
ClientSampleId :

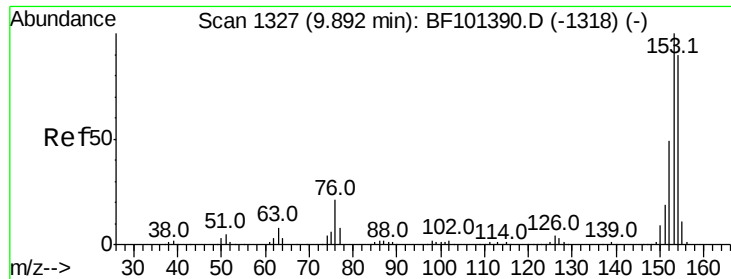
Tot Ion:163 Resp: 602810  
Ion Ratio Lower Upper  
163 100  
194 3.9 2.7 4.1  
164 9.9 8.2 12.2



#50  
2,6-Dinitrotoluene  
Concen: 25.516 ng  
RT: 9.65 min Scan# 1286  
Delta R.T. -0.00 min  
Lab File: BF101389.D  
Acq: 14 Dec 2017 12:18

Tgt Ion:165 Resp: 127925  
Ion Ratio Lower Upper  
165 100  
63 51.2 44.7 67.1  
89 48.3 44.0 66.0





#51

Acenaphthene

Concen: 26.085 ng

RT: 9.89 min Scan# 1327

Delta R.T. -0.00 min

Lab File: BF101389.D

Acq: 14 Dec 2017 12:18

Instrument :

BNA\_F

ClientSampleId :

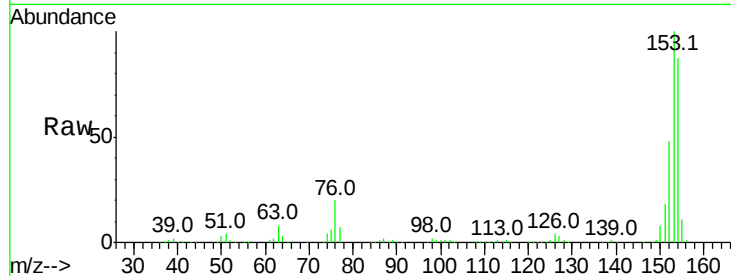
Tot Ion:154 Resp: 492970

Ion Ratio Lower Upper

154 100

153 114.4 91.2 136.8

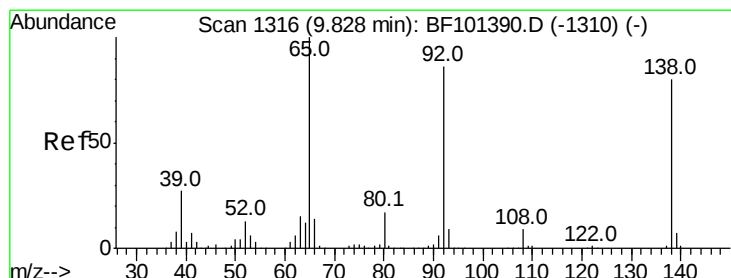
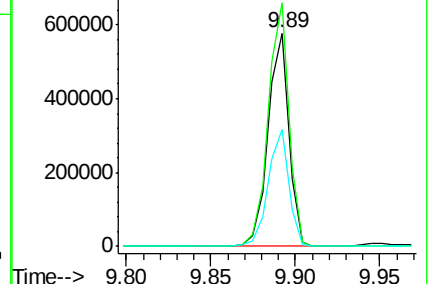
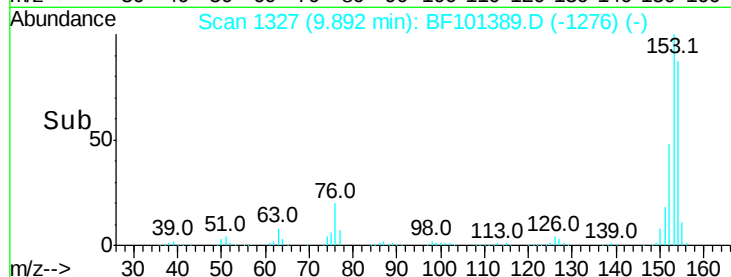
152 54.9 43.8 65.8



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: 27.997 ng

RT: 9.82 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BF101389.D

Acq: 14 Dec 2017 12:18

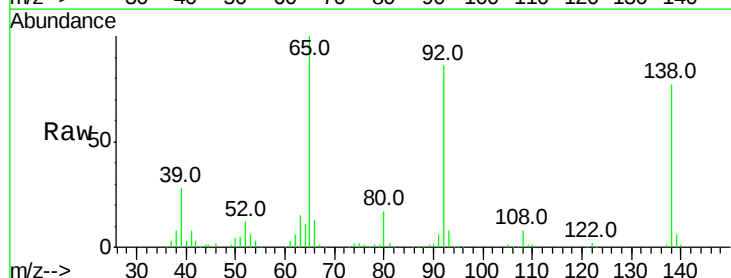
Tgt Ion:138 Resp: 157851

Ion Ratio Lower Upper

138 100

108 10.6 9.4 14.0

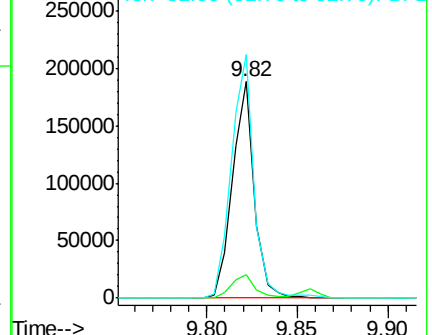
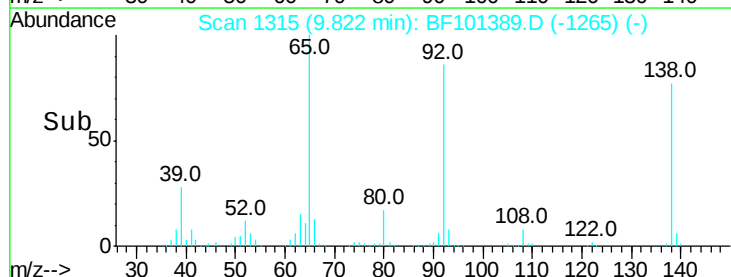
92 112.5 89.4 134.2

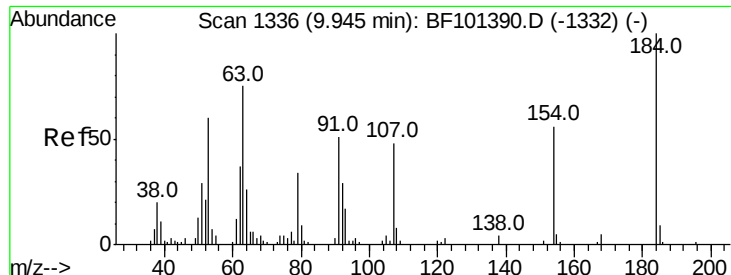


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1

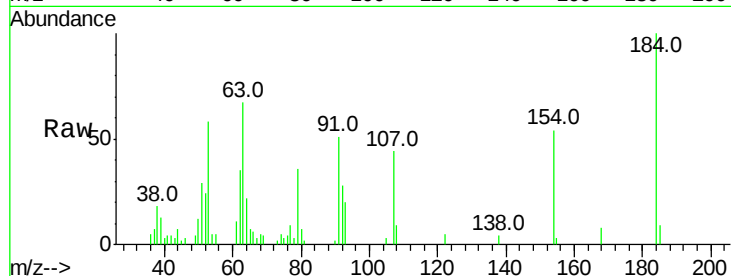




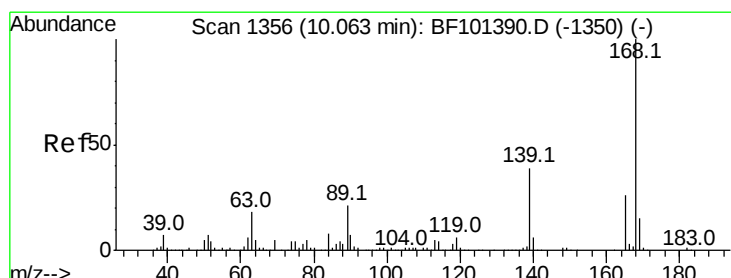
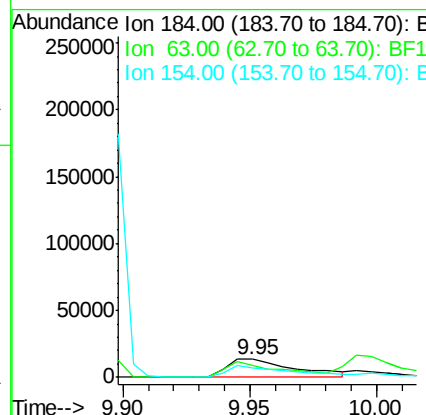
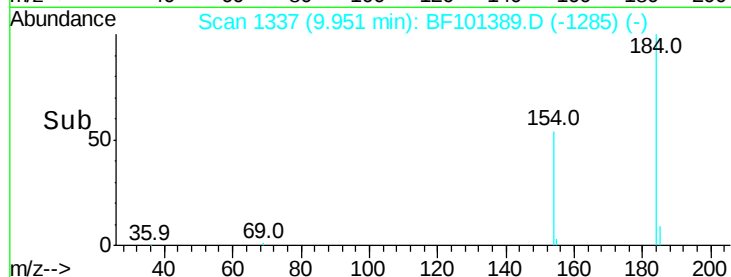
#53  
 2,4-Dinitrophenol  
 Concen: 10.985 ng  
 RT: 9.95 min Scan# 1337  
 Delta R.T. 0.01 min  
 Lab File: BF101389.D  
 Acq: 14 Dec 2017 12:18

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:184 Resp: 25111  
 Ion Ratio Lower Upper  
 184 100  
 63 67.2 54.2 81.2  
 154 54.4 184.0 276.0#

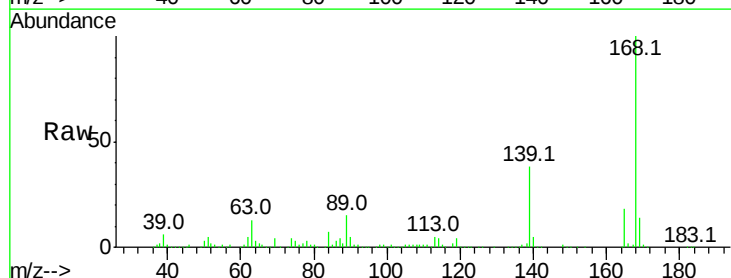


Abundance Ion 184.00 (183.70 to 184.70): E  
 Ion 63.00 (62.70 to 63.70): BF1  
 Ion 154.00 (153.70 to 154.70): E

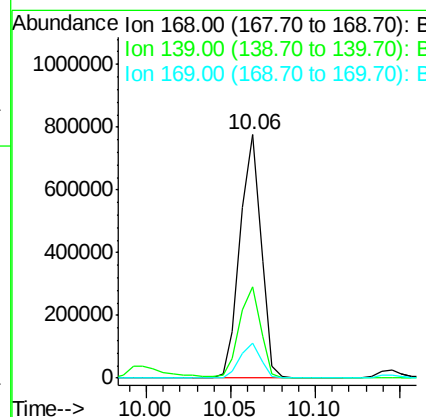
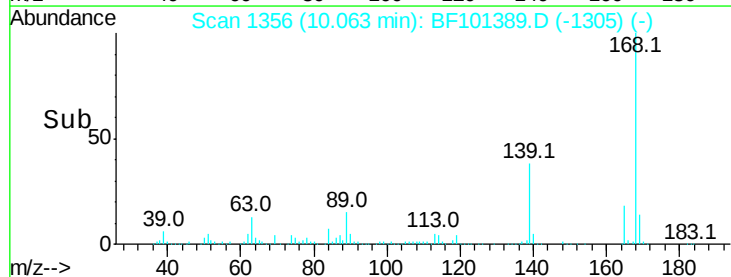


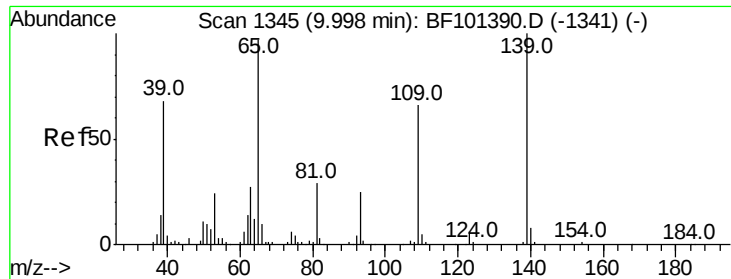
#54  
 Dibenzofuran  
 Concen: 24.613 ng  
 RT: 10.06 min Scan# 1356  
 Delta R.T. -0.00 min  
 Lab File: BF101389.D  
 Acq: 14 Dec 2017 12:18

Tgt Ion:168 Resp: 670328  
 Ion Ratio Lower Upper  
 168 100  
 139 37.8 30.1 45.1  
 169 14.3 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

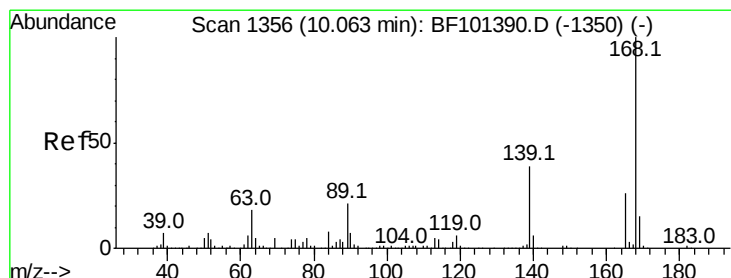
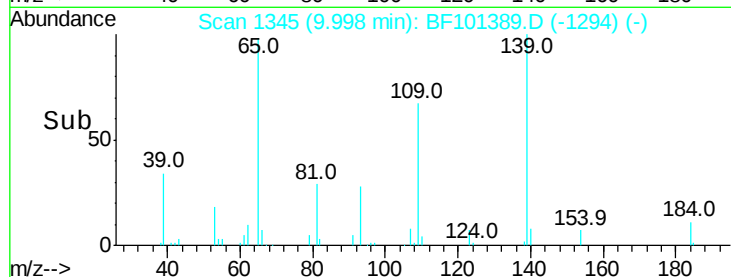
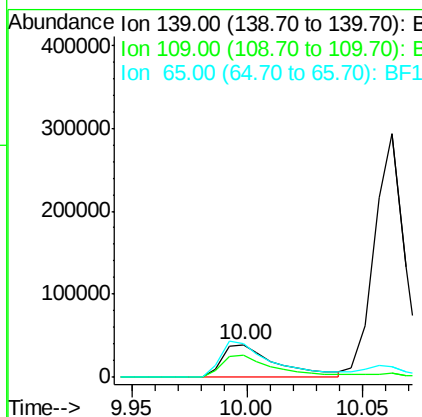
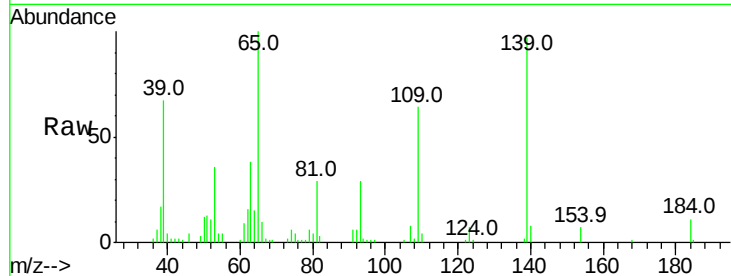




#55  
4-Nitrophenol  
Concen: 16.846 ng  
RT: 10.00 min Scan# 1345  
Delta R.T. -0.00 min  
Lab File: BF101389.D  
Acq: 14 Dec 2017 12:18

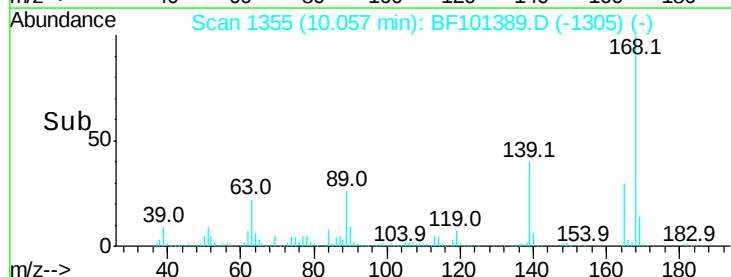
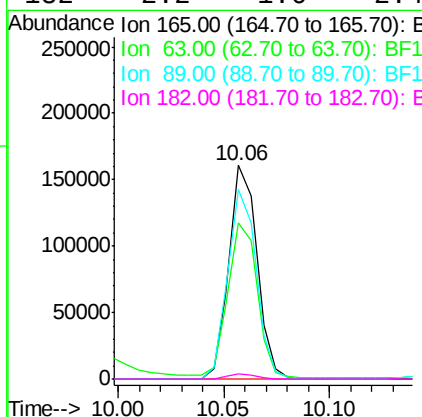
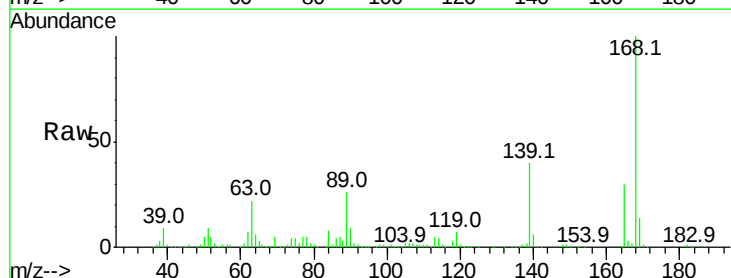
Instrument :  
BNA\_F  
ClientSampleId :

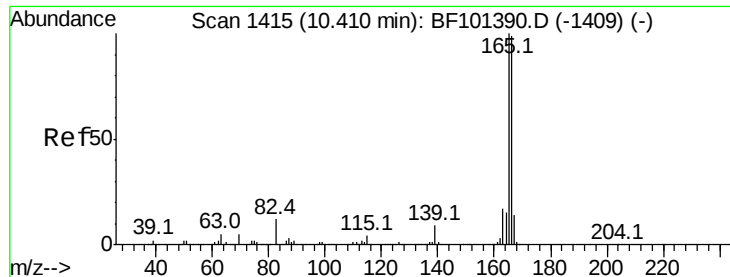
Tot Ion:139 Resp: 64055  
Ion Ratio Lower Upper  
139 100  
109 66.7 48.4 88.4  
65 103.6 72.6 112.6



#56  
2,4-Dinitrotoluene  
Concen: 21.999 ng  
RT: 10.06 min Scan# 1355  
Delta R.T. -0.01 min  
Lab File: BF101389.D  
Acq: 14 Dec 2017 12:18

Tgt Ion:165 Resp: 147812  
Ion Ratio Lower Upper  
165 100  
63 73.4 36.4 54.6#  
89 88.8 57.8 86.6#  
182 2.2 1.6 2.4





#57

Fluorene

Concen: 25.481 ng

RT: 10.40 min Scan# 1414

Delta R.T. -0.01 min

Lab File: BF101389.D

Acq: 14 Dec 2017 12:18

Instrument :

BNA\_F

ClientSampleId :

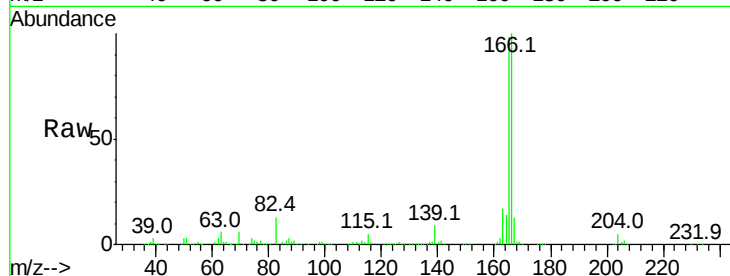
Tot Ion:166 Resp: 564133

Ion Ratio Lower Upper

166 100

165 98.3 79.8 119.8

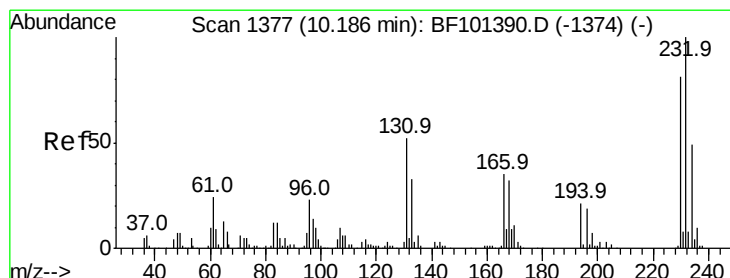
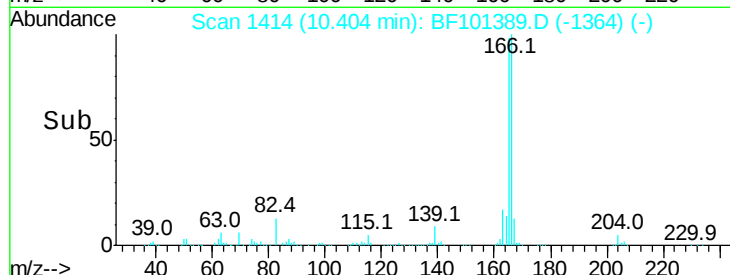
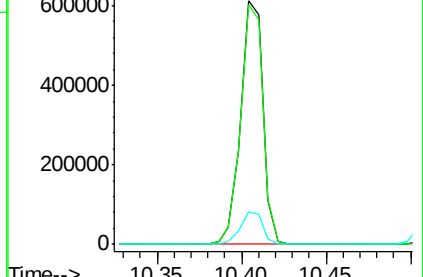
167 13.2 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 22.731 ng

RT: 10.19 min Scan# 1377

Delta R.T. -0.00 min

Lab File: BF101389.D

Acq: 14 Dec 2017 12:18

Tgt Ion:232 Resp: 122301

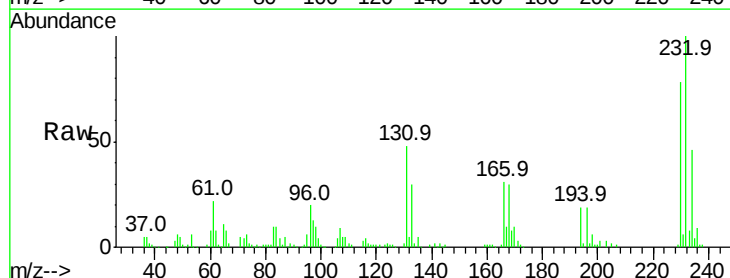
Ion Ratio Lower Upper

232 100

131 48.7 43.8 65.8

130 2.3 2.1 3.1

166 29.5 27.8 41.6

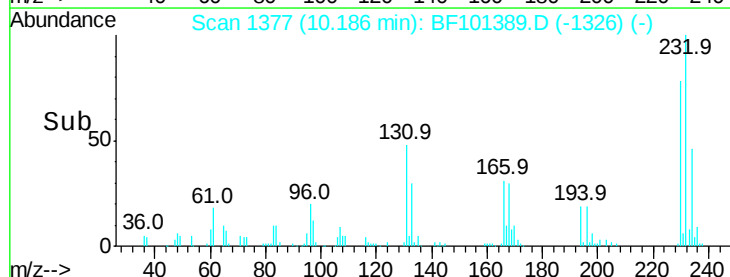
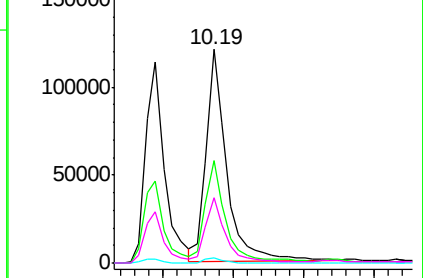


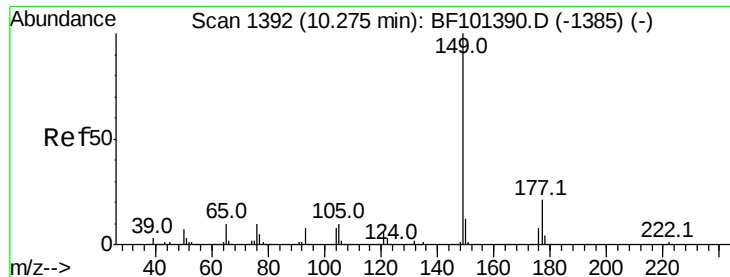
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

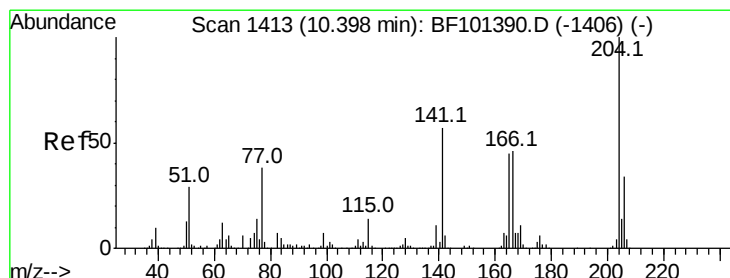
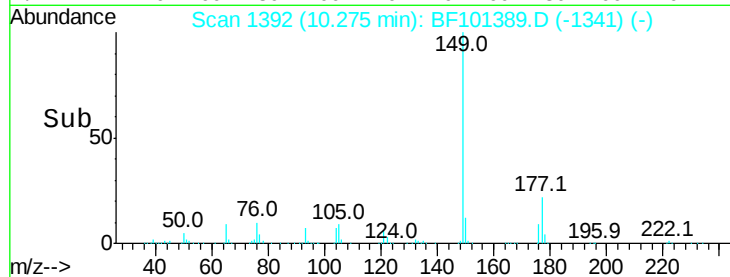
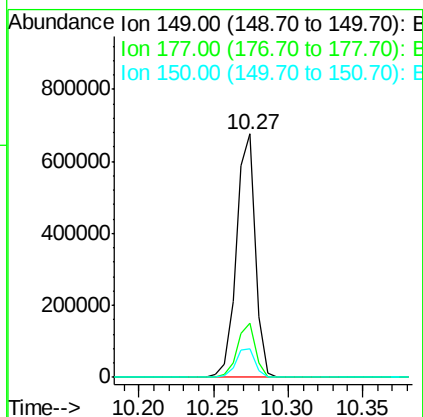
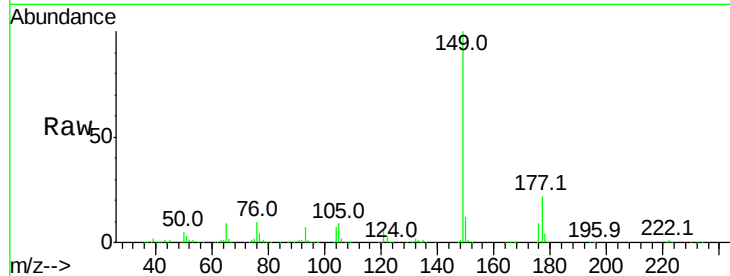




#59  
Diethylphthalate  
Concen: 25.670 ng  
RT: 10.27 min Scan# 1392  
Delta R.T. -0.00 min  
Lab File: BF101389.D  
Acq: 14 Dec 2017 12:18

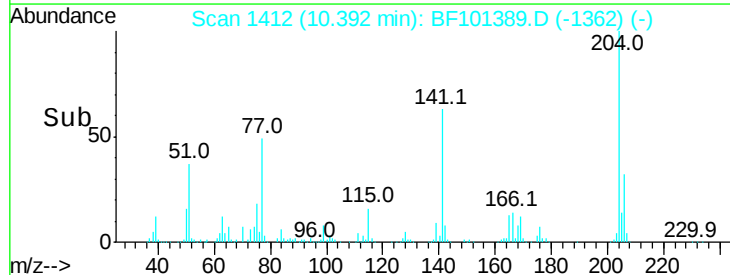
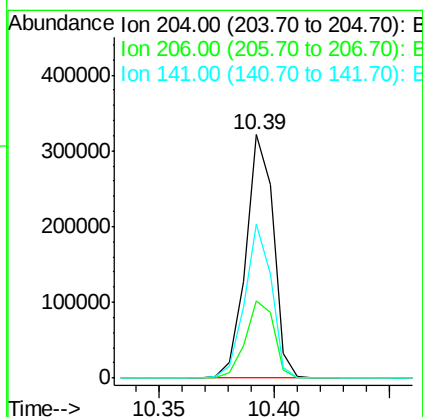
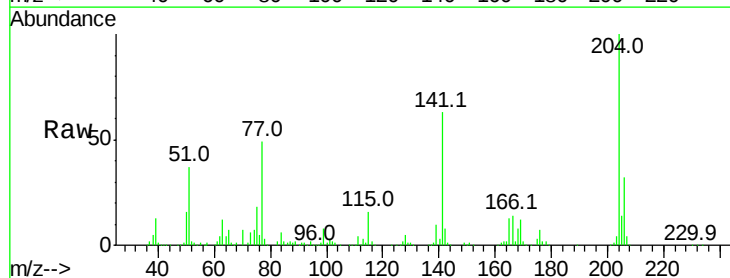
Instrument :  
BNA\_F  
ClientSampleId :

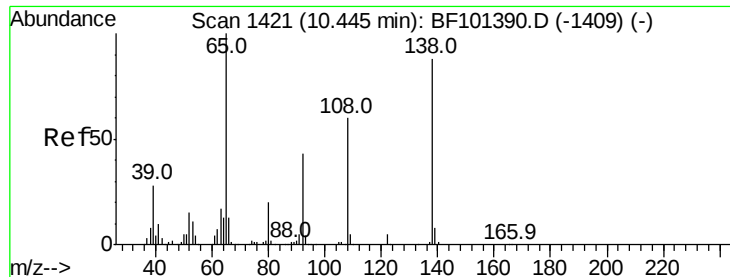
Tot Ion:149 Resp: 602692  
Ion Ratio Lower Upper  
149 100  
177 22.4 16.1 24.1  
150 12.0 10.1 15.1



#60  
4-Chlorophenyl-phenylether  
Concen: 24.556 ng  
RT: 10.39 min Scan# 1412  
Delta R.T. -0.01 min  
Lab File: BF101389.D  
Acq: 14 Dec 2017 12:18

Tgt Ion:204 Resp: 268425  
Ion Ratio Lower Upper  
204 100  
206 31.7 26.5 39.7  
141 63.2 54.6 81.8

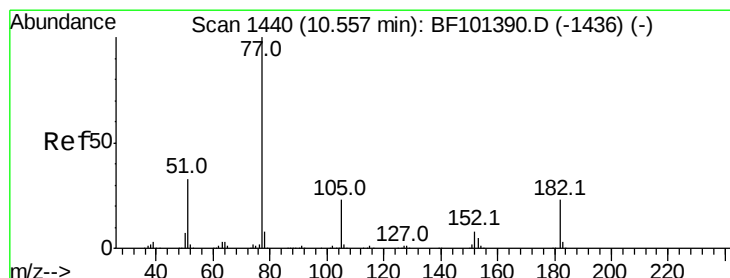
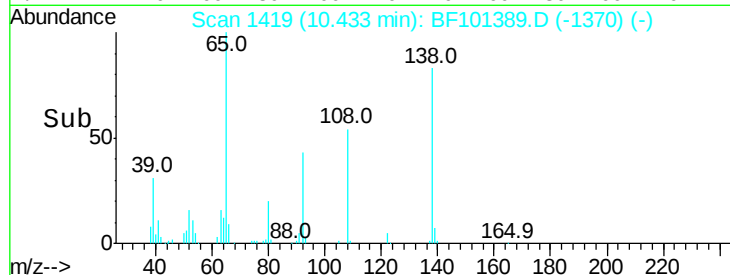
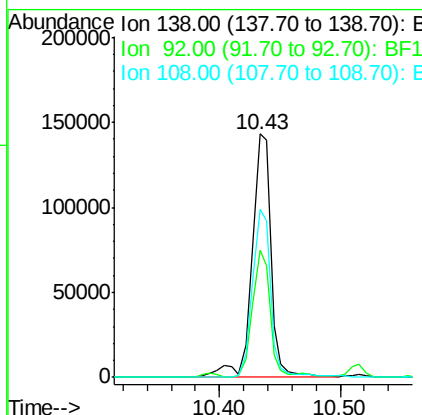
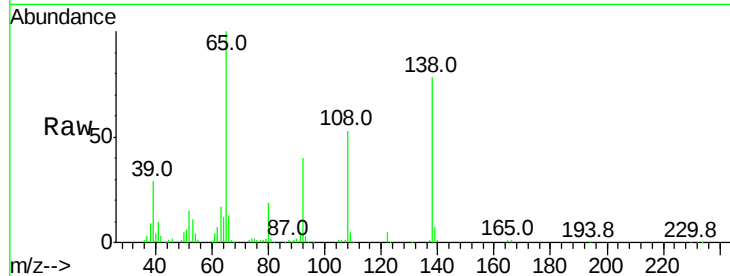




#61  
4-Nitroaniline  
Concen: 27.204 ng  
RT: 10.43 min Scan# 1419  
Delta R.T. -0.01 min  
Lab File: BF101389.D  
Acq: 14 Dec 2017 12:18

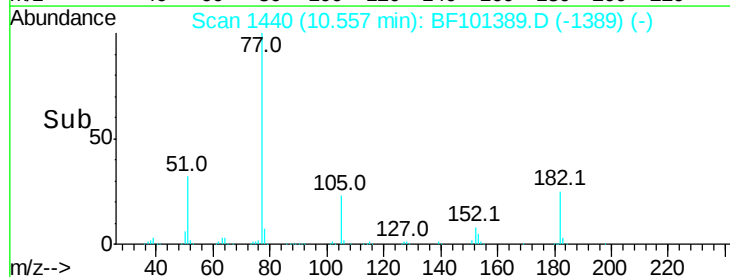
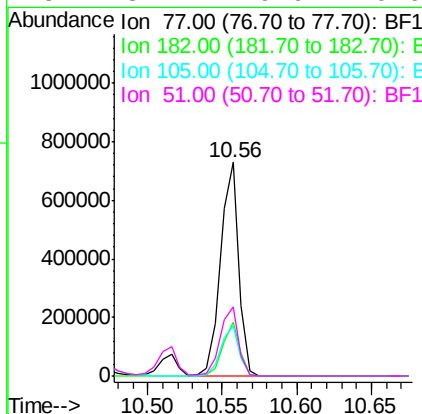
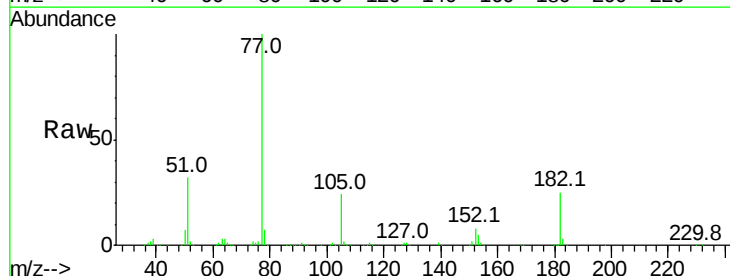
Instrument :  
BNA\_F  
ClientSampleId :

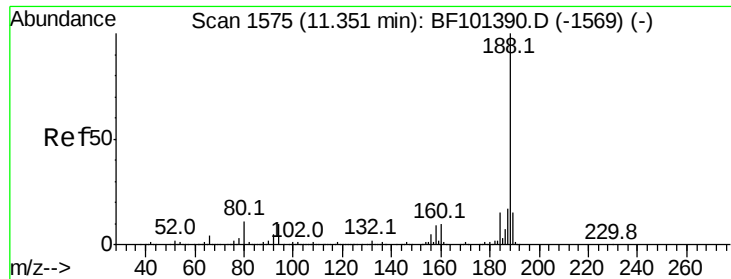
Tot Ion:138 Resp: 159215  
Ion Ratio Lower Upper  
138 100  
92 52.1 30.2 70.2  
108 68.9 52.5 92.5



#62  
Azobenzene  
Concen: 31.278 ng  
RT: 10.56 min Scan# 1440  
Delta R.T. -0.00 min  
Lab File: BF101389.D  
Acq: 14 Dec 2017 12:18

Tgt Ion: 77 Resp: 623200  
Ion Ratio Lower Upper  
77 100  
182 25.4 1.7 41.7  
105 23.7 3.0 43.0  
51 32.1 9.9 49.9

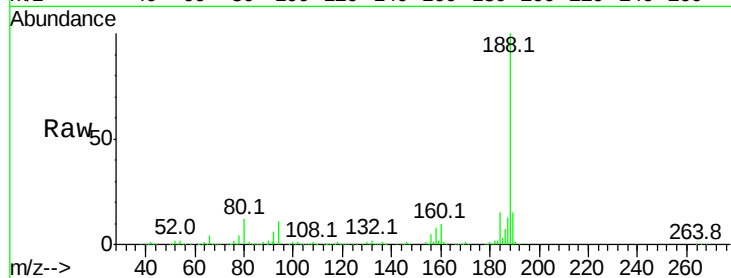




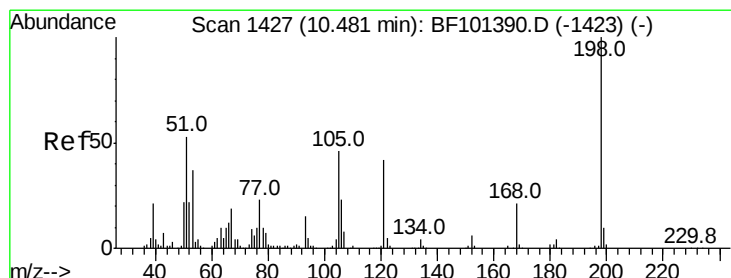
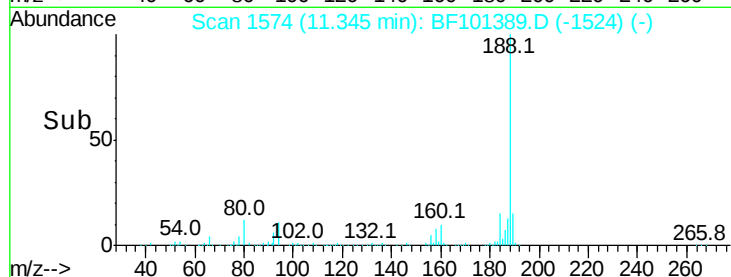
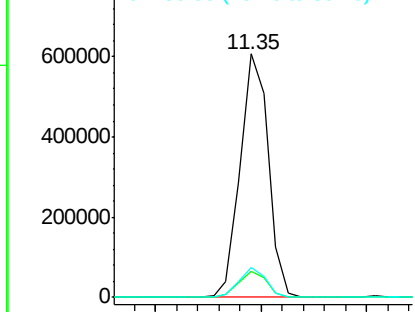
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.35 min Scan# 1574  
Delta R.T. -0.01 min  
Lab File: BF101389.D  
Acq: 14 Dec 2017 12:18

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:188 Resp: 559461  
Ion Ratio Lower Upper  
188 100  
94 10.8 8.5 12.7  
80 12.0 9.2 13.8

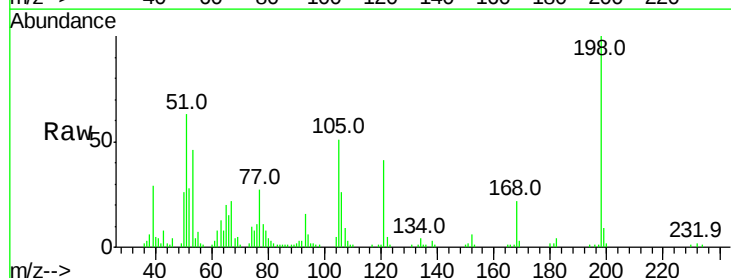


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF1  
Ion 80.00 (79.70 to 80.70): BF1

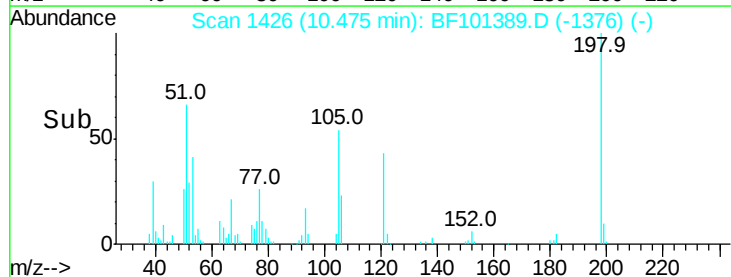
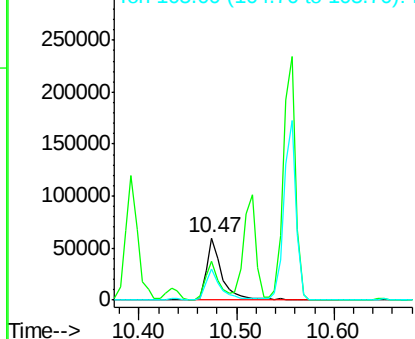


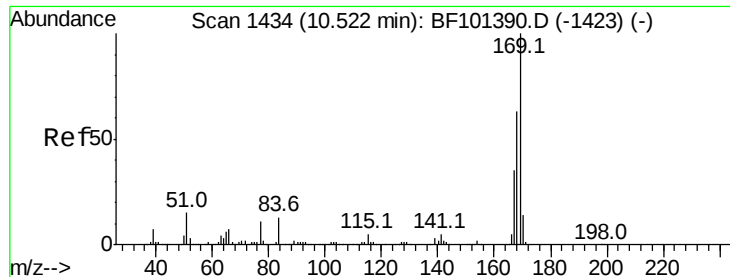
#64  
4,6-Dinitro-2-methylphenol  
Concen: 17.482 ng  
RT: 10.47 min Scan# 1426  
Delta R.T. -0.01 min  
Lab File: BF101389.D  
Acq: 14 Dec 2017 12:18

Tgt Ion:198 Resp: 65601  
Ion Ratio Lower Upper  
198 100  
51 62.9 37.7 77.7  
105 50.8 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

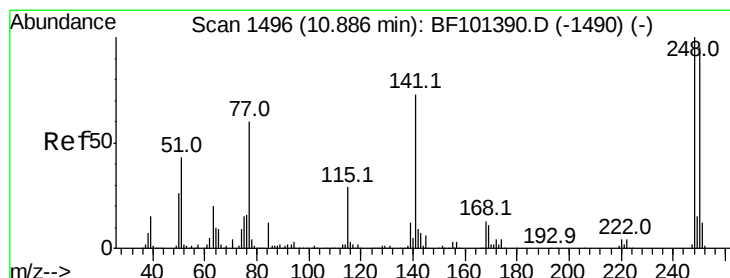
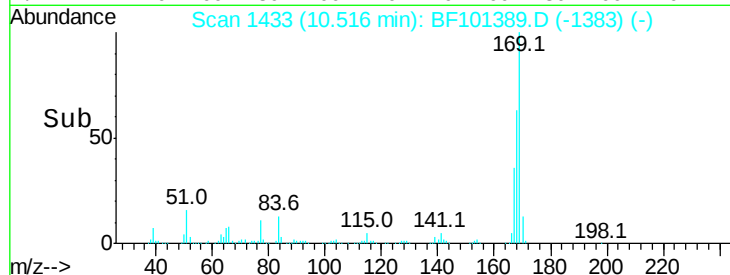
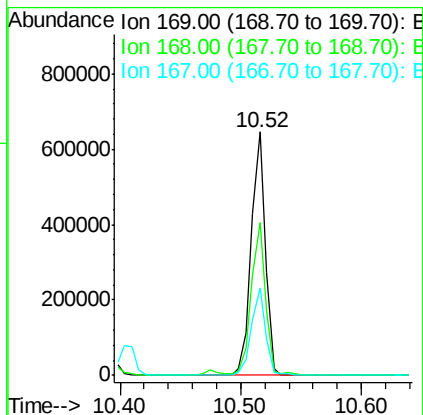
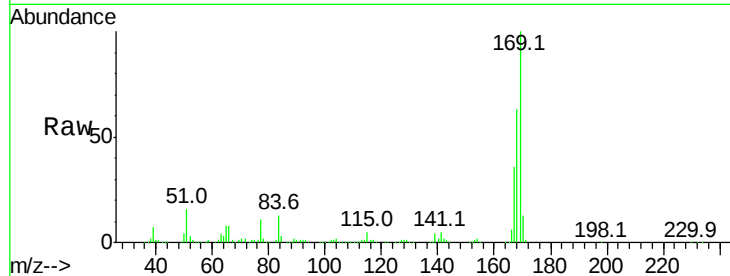




#65  
n-Nitrosodiphenylamine  
Concen: 26.973 ng  
RT: 10.52 min Scan# 1433  
Delta R.T. -0.01 min  
Lab File: BF101389.D  
Acq: 14 Dec 2017 12:18

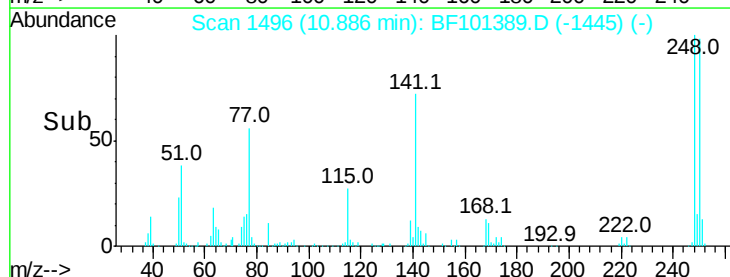
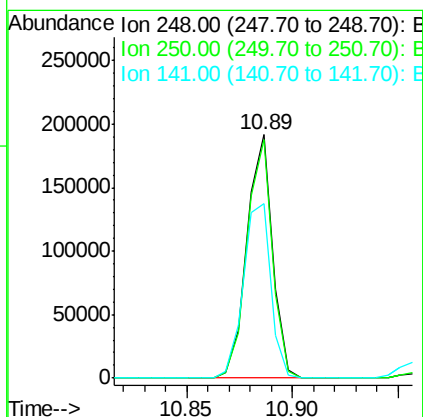
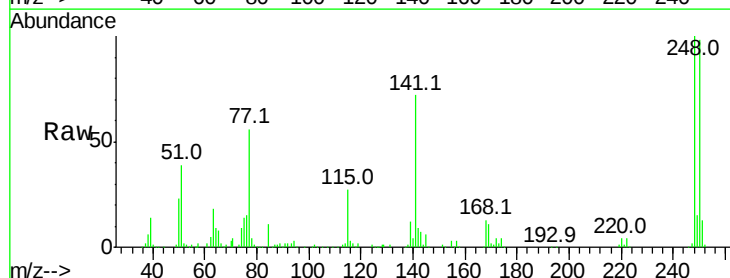
Instrument :  
BNA\_F  
ClientSampleId :

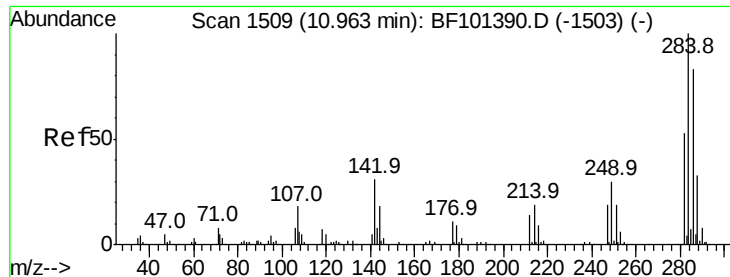
Tot Ion:169 Resp: 532378  
Ion Ratio Lower Upper  
169 100  
168 62.9 54.4 81.6  
167 36.1 29.8 44.6



#66  
4-Bromophenyl-phenylether  
Concen: 25.804 ng  
RT: 10.89 min Scan# 1496  
Delta R.T. -0.00 min  
Lab File: BF101389.D  
Acq: 14 Dec 2017 12:18

Tgt Ion:248 Resp: 161590  
Ion Ratio Lower Upper  
248 100  
250 97.8 76.9 115.3  
141 71.6 74.4 111.6#





#67

Hexachlorobenzene

Concen: 25.302 ng

RT: 10.96 min Scan# 1508

Delta R.T. -0.01 min

Lab File: BF101389.D

Acq: 14 Dec 2017 12:18

Instrument :

BNA\_F

ClientSampleId :

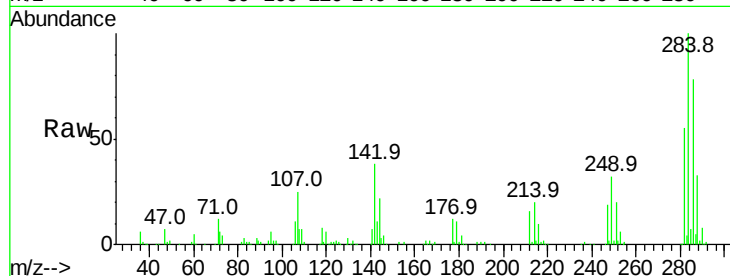
Tot Ion:284 Resp: 169814

Ion Ratio Lower Upper

284 100

142 37.7 34.6 52.0

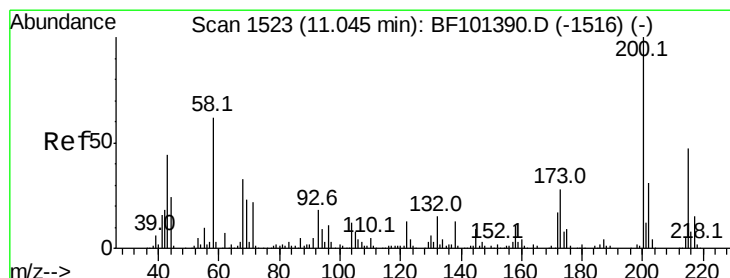
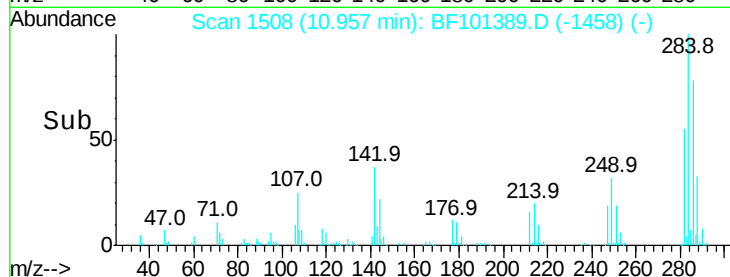
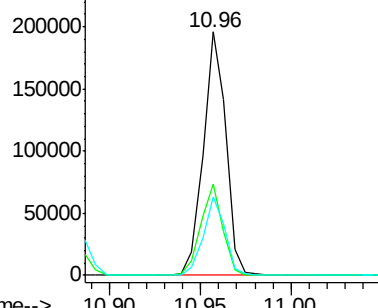
249 32.2 24.8 37.2



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 26.106 ng

RT: 11.04 min Scan# 1522

Delta R.T. -0.01 min

Lab File: BF101389.D

Acq: 14 Dec 2017 12:18

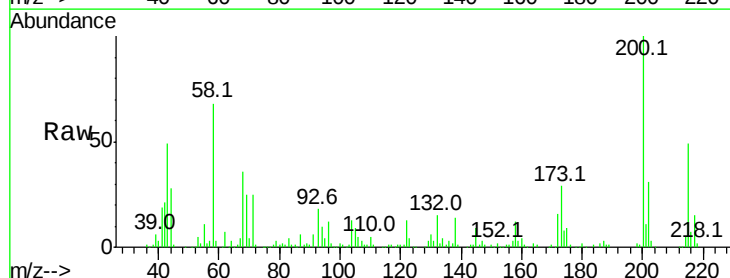
Tgt Ion:200 Resp: 158057

Ion Ratio Lower Upper

200 100

173 29.4 8.6 48.6

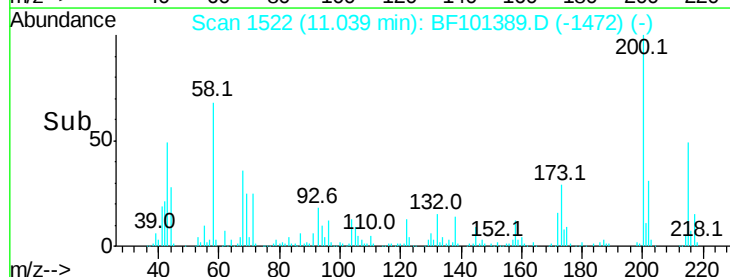
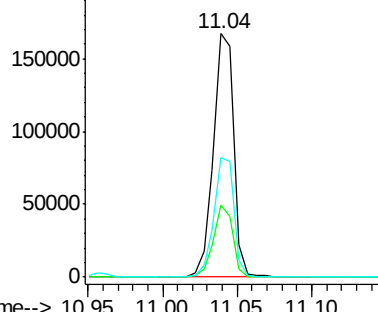
215 49.0 25.1 65.1

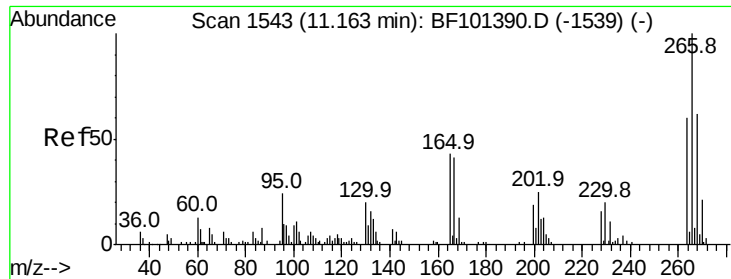


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

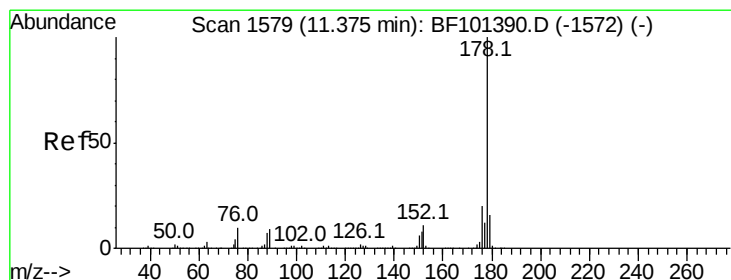
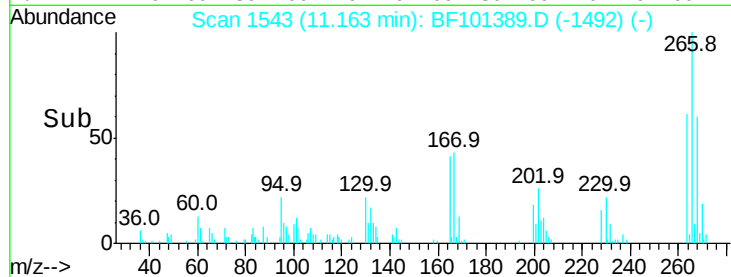
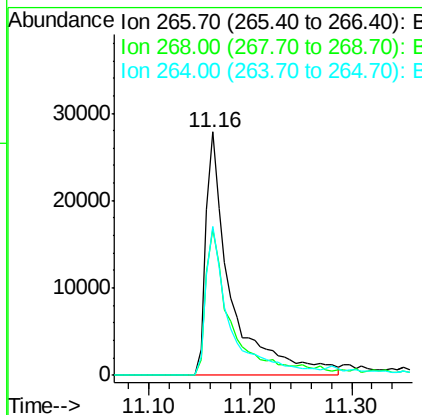
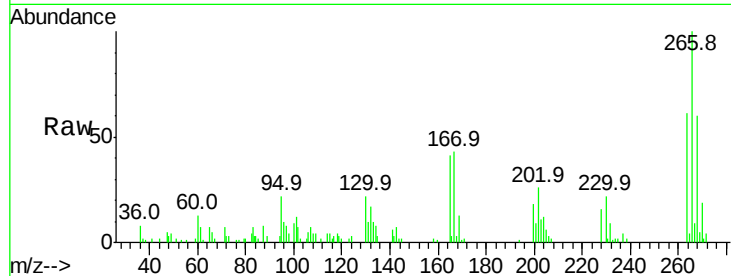




#69  
 Pentachlorophenol  
 Concen: 12.926 ng  
 RT: 11.16 min Scan# 1543  
 Delta R.T. -0.00 min  
 Lab File: BF101389.D  
 Acq: 14 Dec 2017 12:18

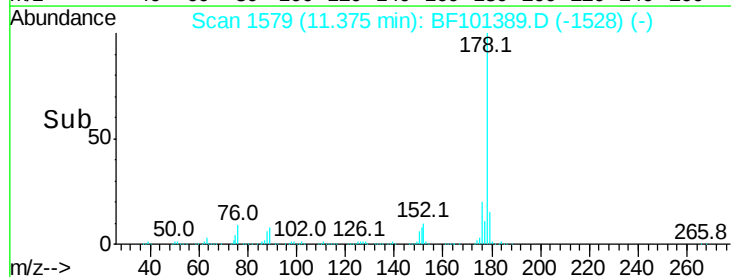
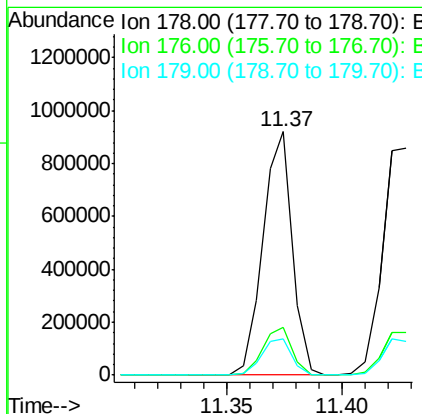
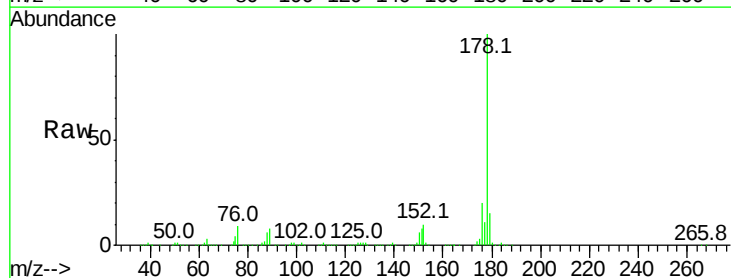
Instrument :  
 BNA\_F  
 ClientSampleId :

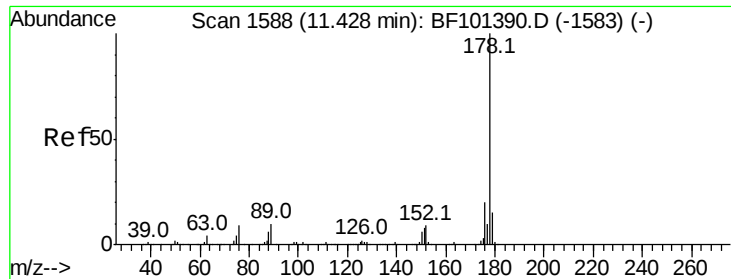
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 59.9  | 51.1  | 76.7  |
| 264     | 61.2  | 49.5  | 74.3  |



#70  
 Phenanthrene  
 Concen: 26.425 ng  
 RT: 11.37 min Scan# 1579  
 Delta R.T. -0.00 min  
 Lab File: BF101389.D  
 Acq: 14 Dec 2017 12:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.8  | 15.8  | 23.8  |
| 179     | 14.9  | 13.0  | 19.6  |

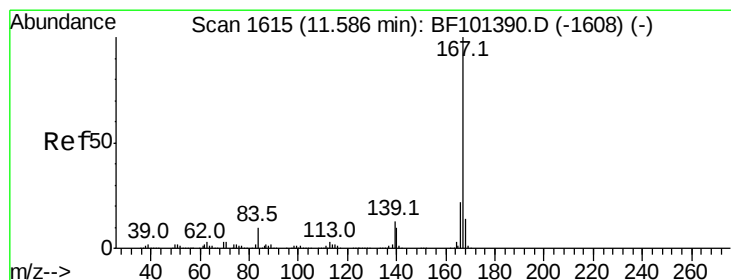
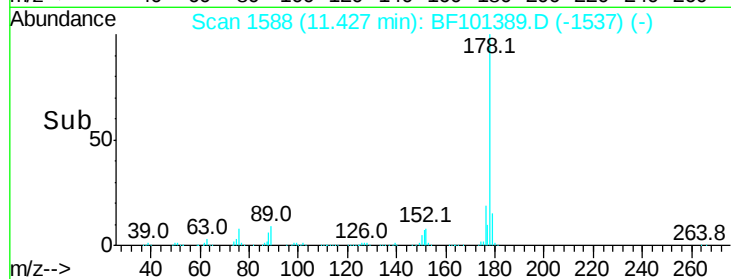
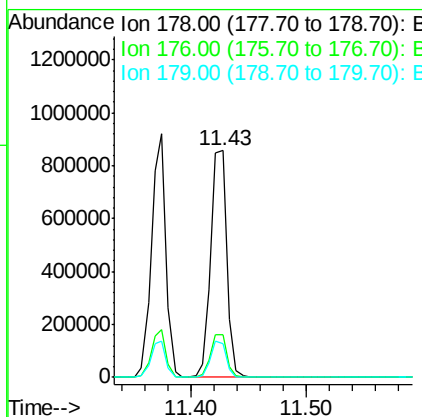
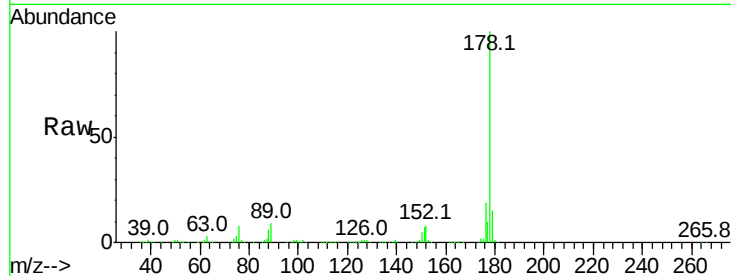




#71  
 Anthracene  
 Concen: 26.640 ng  
 RT: 11.43 min Scan# 1588  
 Delta R.T. -0.00 min  
 Lab File: BF101389.D  
 Acq: 14 Dec 2017 12:18

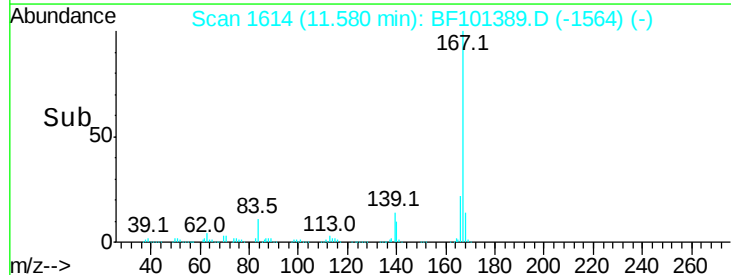
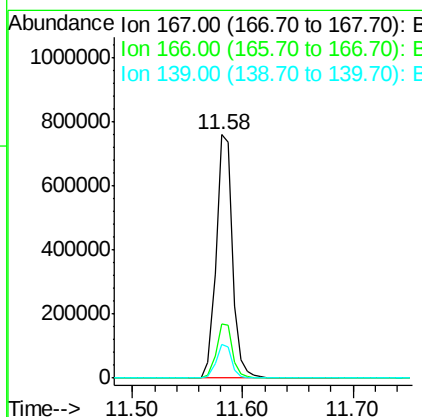
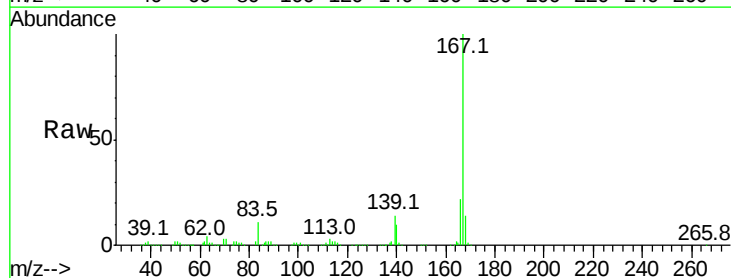
Instrument :  
 BNA\_F  
 ClientSampleId :

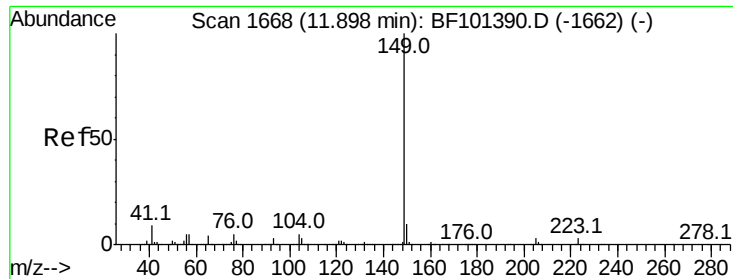
Tot Ion:178 Resp: 830676  
 Ion Ratio Lower Upper  
 178 100  
 176 18.8 15.4 23.2  
 179 14.9 12.6 19.0



#72  
 Carbazole  
 Concen: 27.314 ng  
 RT: 11.58 min Scan# 1614  
 Delta R.T. -0.01 min  
 Lab File: BF101389.D  
 Acq: 14 Dec 2017 12:18

Tgt Ion:167 Resp: 778167  
 Ion Ratio Lower Upper  
 167 100  
 166 22.2 17.6 26.4  
 139 13.7 10.9 16.3





#73

Di-n-butylphthalate

Concen: 26.312 ng

RT: 11.90 min Scan# 1668

Delta R.T. -0.00 min

Lab File: BF101389.D

Acq: 14 Dec 2017 12:18

Instrument :

BNA\_F

ClientSampleId :

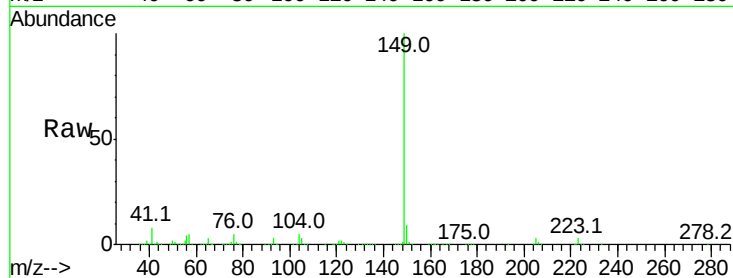
Tot Ion:149 Resp: 939576

Ion Ratio Lower Upper

149 100

150 9.3 7.8 11.6

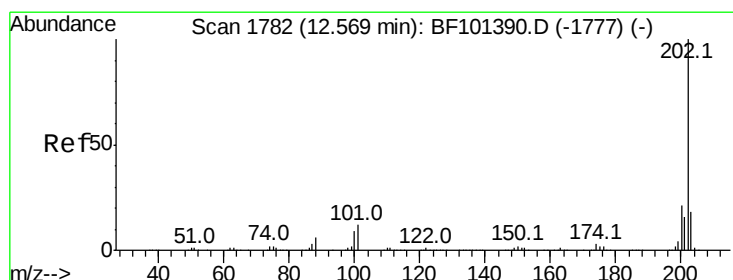
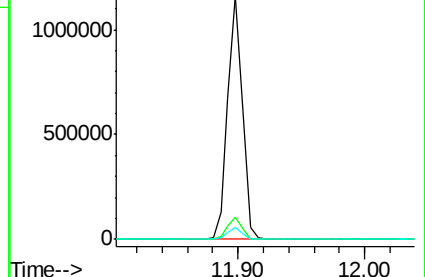
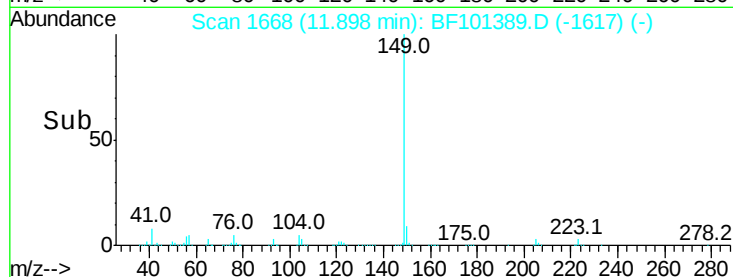
104 4.8 3.8 5.8



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: 24.957 ng

RT: 12.56 min Scan# 1781

Delta R.T. -0.01 min

Lab File: BF101389.D

Acq: 14 Dec 2017 12:18

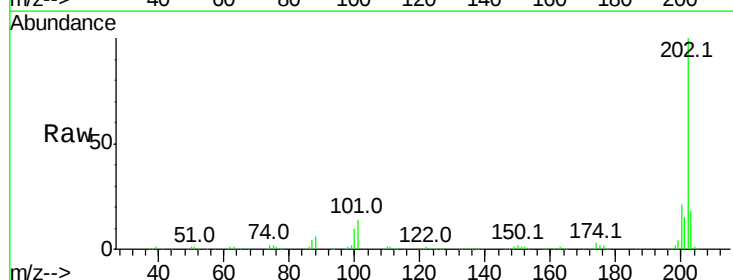
Tgt Ion:202 Resp: 852327

Ion Ratio Lower Upper

202 100

101 13.5 0.0 34.1

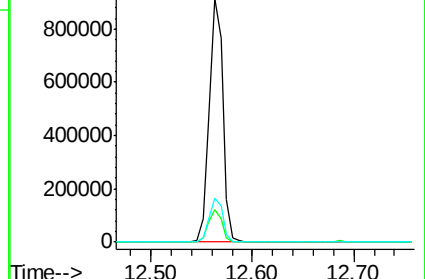
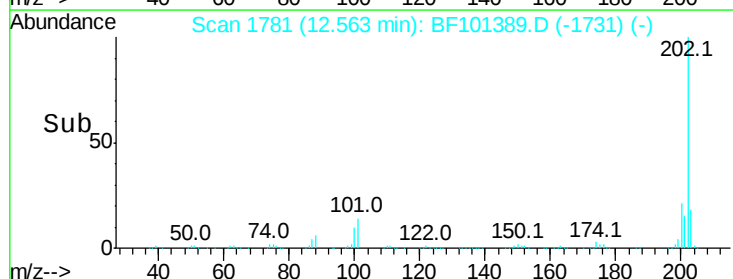
203 17.8 0.0 38.1

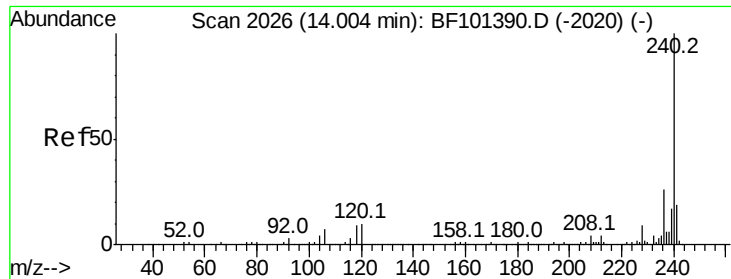


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BF101389.D

Acq: 14 Dec 2017 12:18

Instrument :

BNA\_F

ClientSampleId :

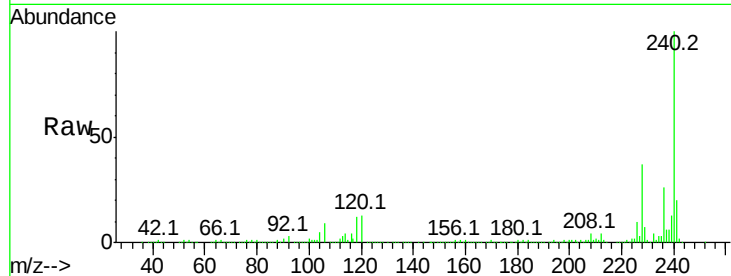
Tot Ion:240 Resp: 461595

Ion Ratio Lower Upper

240 100

120 13.3 9.5 14.3

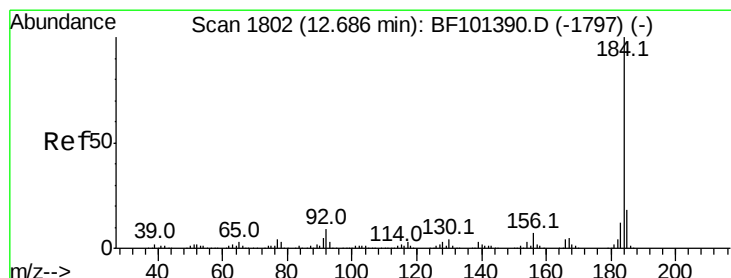
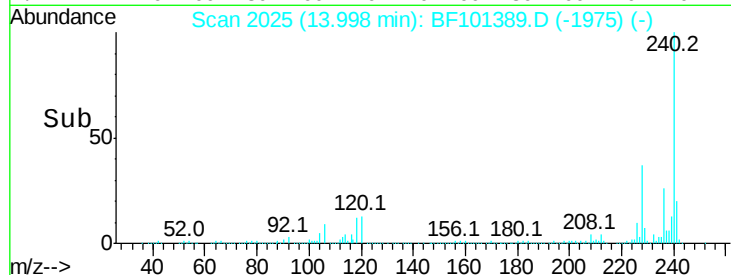
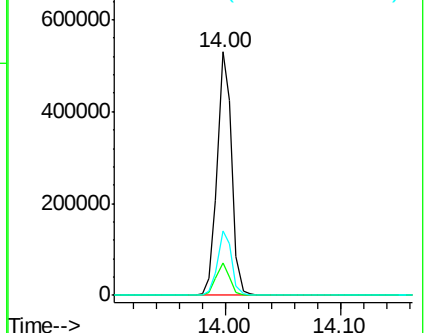
236 26.4 20.7 31.1



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: 34.202 ng

RT: 12.69 min Scan# 1802

Delta R.T. -0.00 min

Lab File: BF101389.D

Acq: 14 Dec 2017 12:18

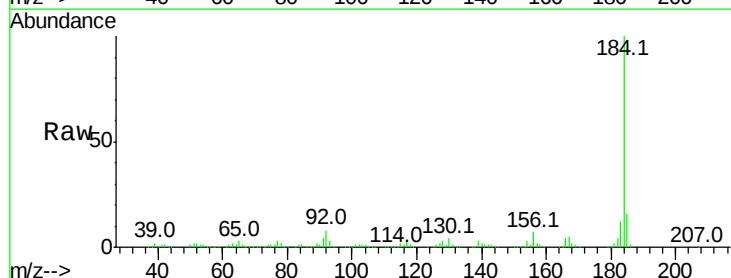
Tgt Ion:184 Resp: 513376

Ion Ratio Lower Upper

184 100

185 16.3 12.6 18.8

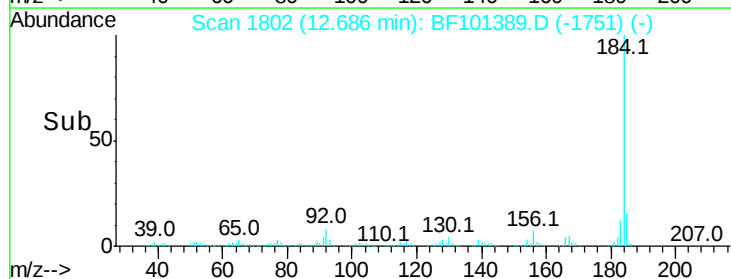
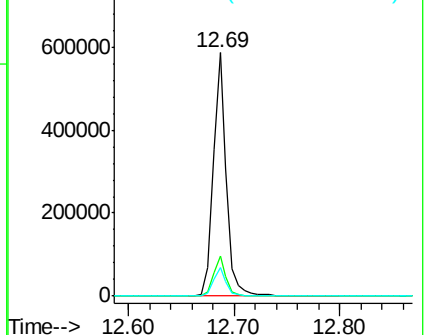
183 11.6 9.3 13.9

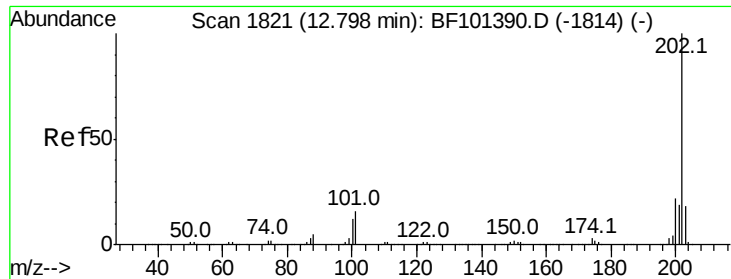


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

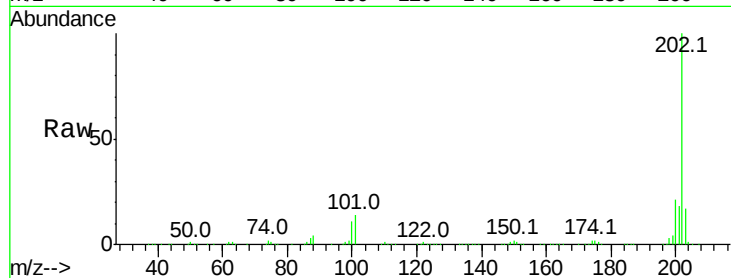




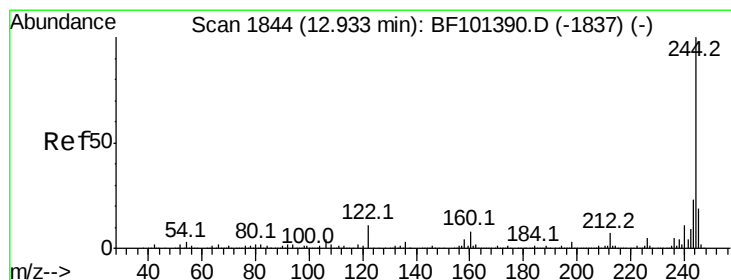
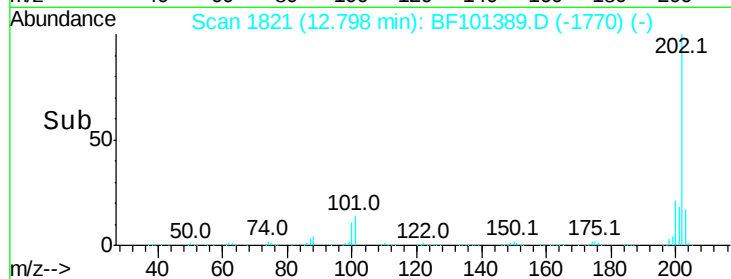
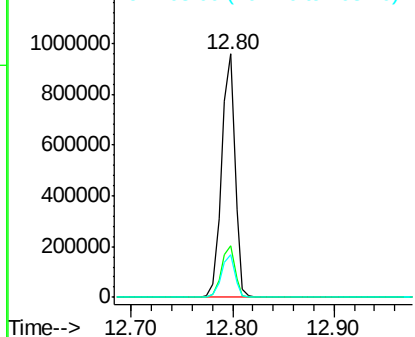
#77  
Pvrene  
Concen: 27.573 ng  
RT: 12.80 min Scan# 1821  
Delta R.T. -0.00 min  
Lab File: BF101389.D  
Acq: 14 Dec 2017 12:18

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:202 Resp: 878254  
Ion Ratio Lower Upper  
202 100  
200 21.0 17.4 26.2  
203 17.5 14.3 21.5

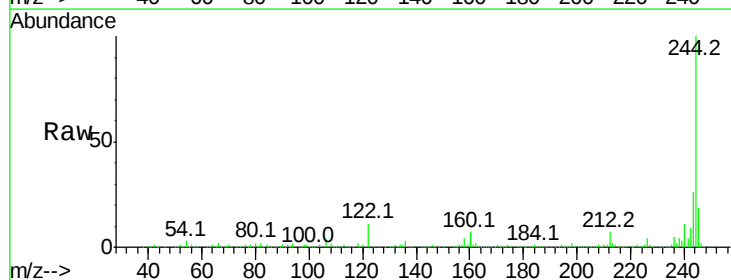


Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 200.00 (199.70 to 200.70): E  
Ion 203.00 (202.70 to 203.70): E

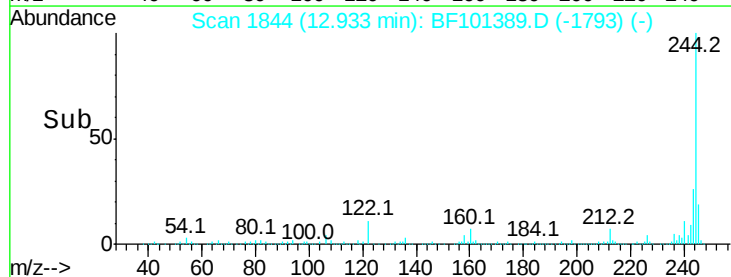
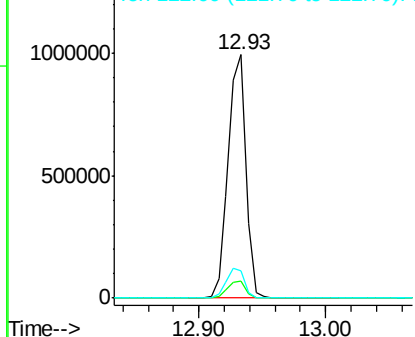


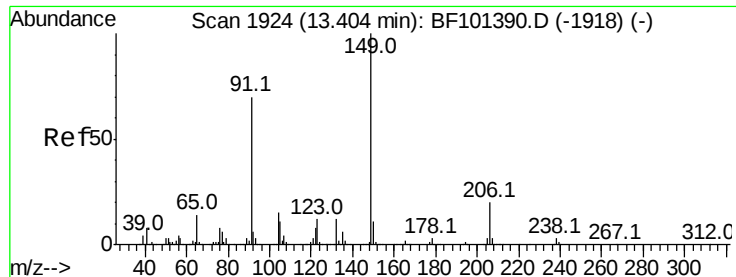
#78  
Terphenyl-d14  
Concen: 45.588 ng  
RT: 12.93 min Scan# 1844  
Delta R.T. -0.00 min  
Lab File: BF101389.D  
Acq: 14 Dec 2017 12:18

Tgt Ion:244 Resp: 962073  
Ion Ratio Lower Upper  
244 100  
212 7.0 5.4 8.0  
122 11.1 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: 28.356 ng

RT: 13.40 min Scan# 1923

Delta R.T. -0.01 min

Lab File: BF101389.D

Acq: 14 Dec 2017 12:18

Instrument :

BNA\_F

ClientSampleId :

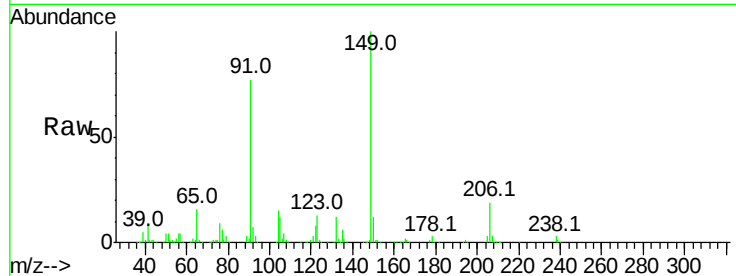
Tot Ion:149 Resp: 398206

Ion Ratio Lower Upper

149 100

91 77.5 56.8 85.2

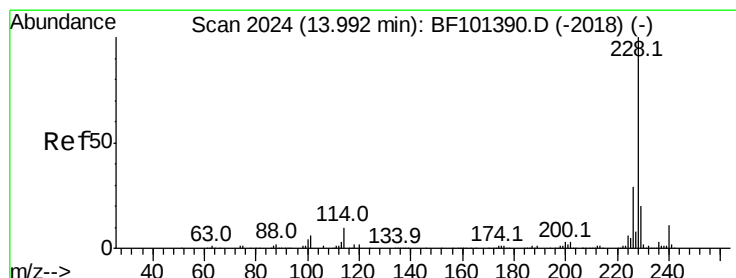
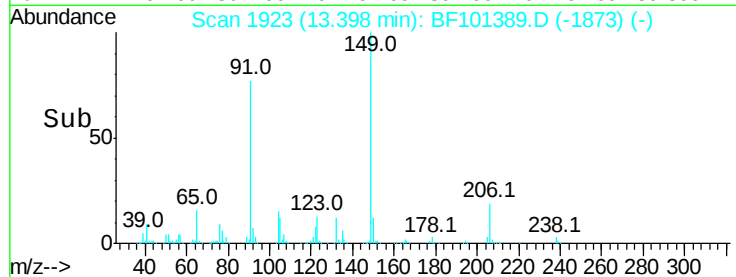
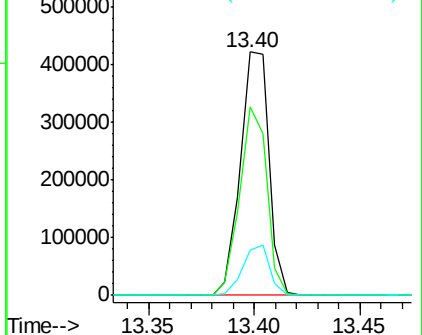
206 18.6 14.1 21.1



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 26.570 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BF101389.D

Acq: 14 Dec 2017 12:18

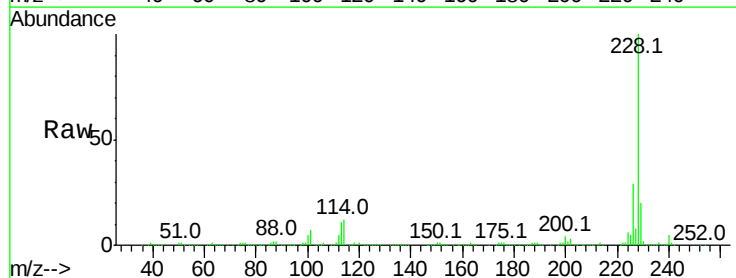
Tgt Ion:228 Resp: 774353

Ion Ratio Lower Upper

228 100

226 28.5 22.6 33.8

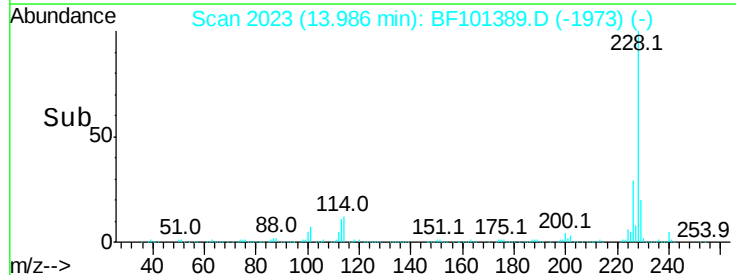
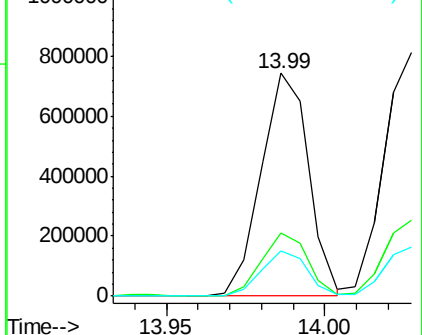
229 20.2 15.8 23.6

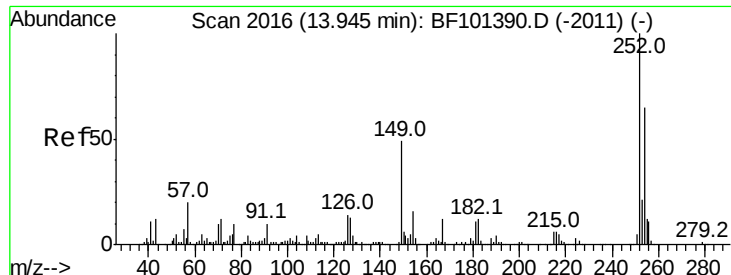


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

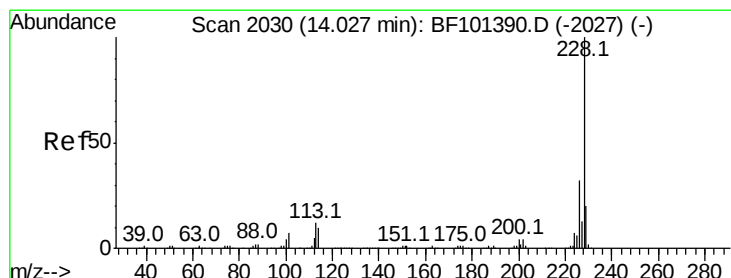
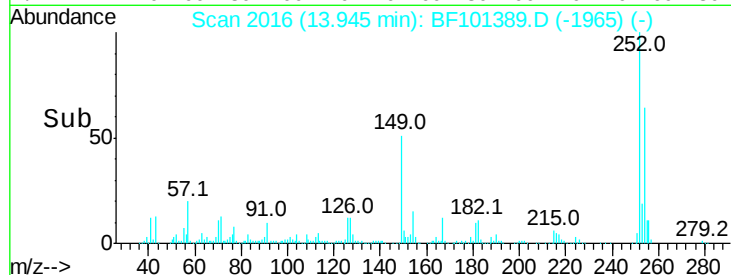
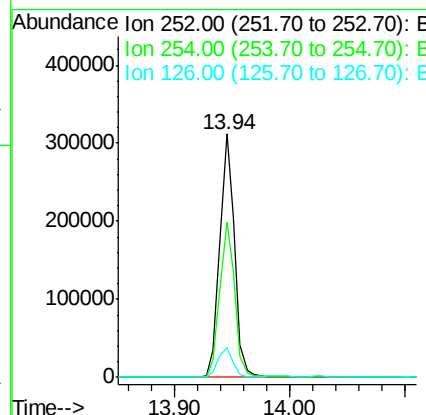
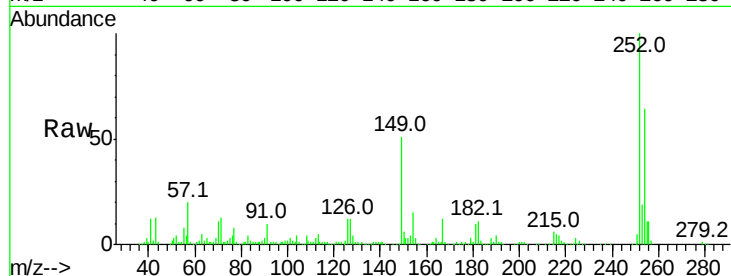




#81  
 3,3'-Dichlorobenzidine  
 Concen: 27.267 ng  
 RT: 13.94 min Scan# 2016  
 Delta R.T. -0.00 min  
 Lab File: BF101389.D  
 Acq: 14 Dec 2017 12:18

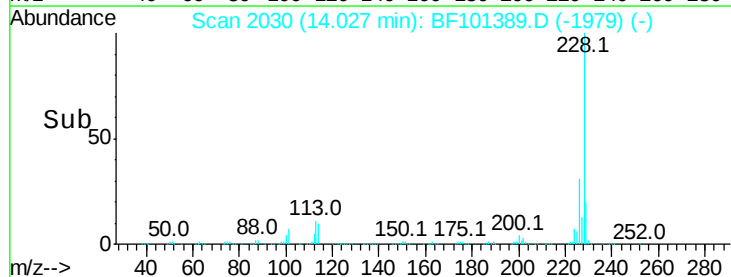
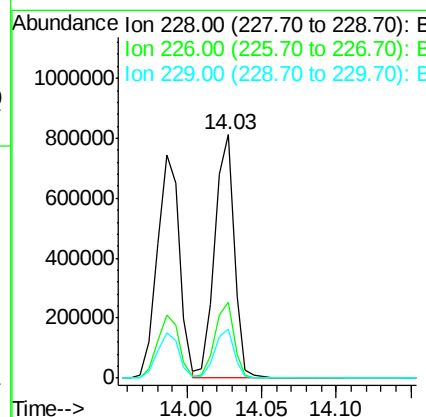
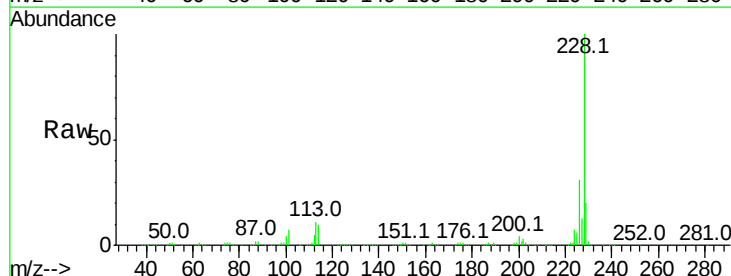
Instrument :  
 BNA\_F  
 ClientSampleId :

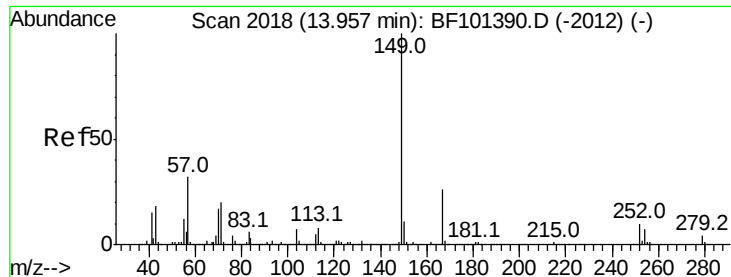
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 63.8  | 50.4  | 75.6  |
| 126     | 12.4  | 11.3  | 16.9  |



#82  
 Chrysene  
 Concen: 27.149 ng  
 RT: 14.03 min Scan# 2030  
 Delta R.T. -0.00 min  
 Lab File: BF101389.D  
 Acq: 14 Dec 2017 12:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 31.2  | 25.0  | 37.6  |
| 229     | 20.2  | 16.2  | 24.4  |





#83

Bis(2-ethylhexyl)phthalate

Concen: 26.372 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.00 min

Lab File: BF101389.D

Acq: 14 Dec 2017 12:18

Instrument :

BNA\_F

ClientSampleId :

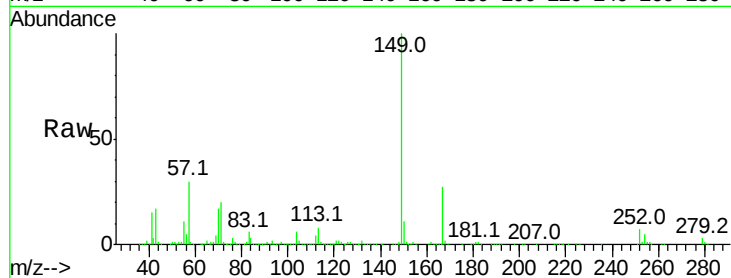
Tot Ion:149 Resp: 528039

Ion Ratio Lower Upper

149 100

167 26.9 21.3 31.9

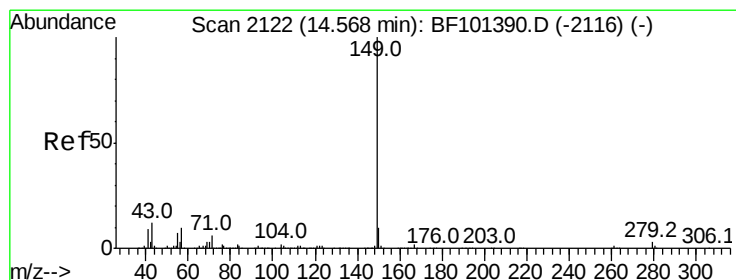
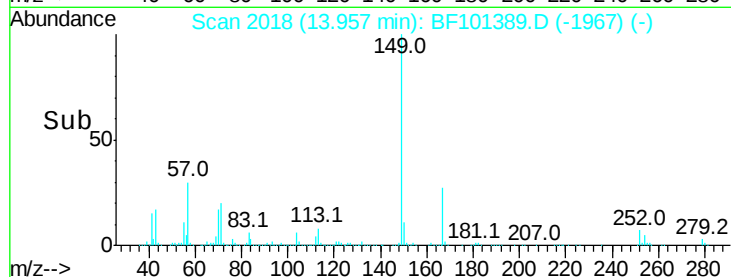
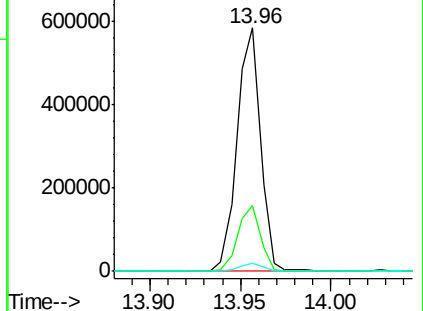
279 3.4 3.0 4.4



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 27.567 ng

RT: 14.57 min Scan# 2122

Delta R.T. -0.00 min

Lab File: BF101389.D

Acq: 14 Dec 2017 12:18

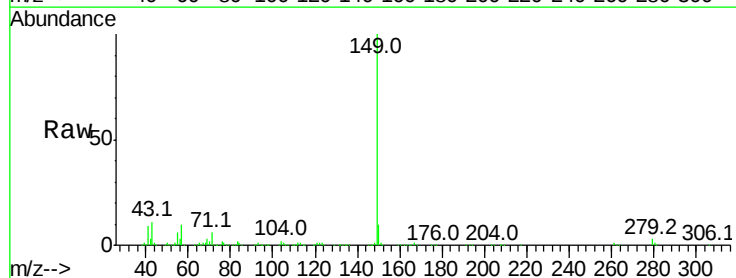
Tgt Ion:149 Resp: 919054

Ion Ratio Lower Upper

149 100

167 1.4 1.2 1.8

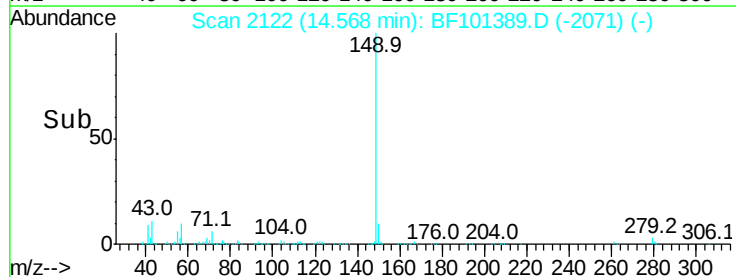
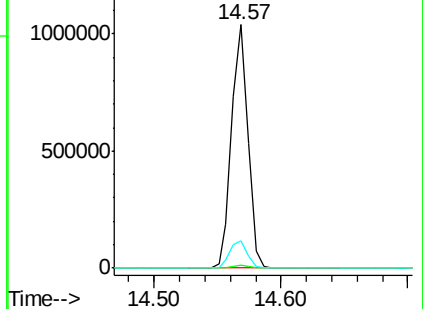
43 12.0 8.4 12.6

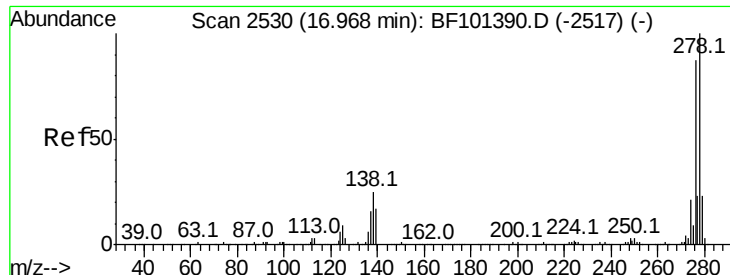


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1

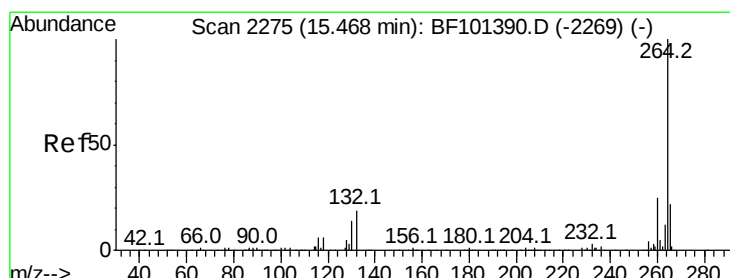
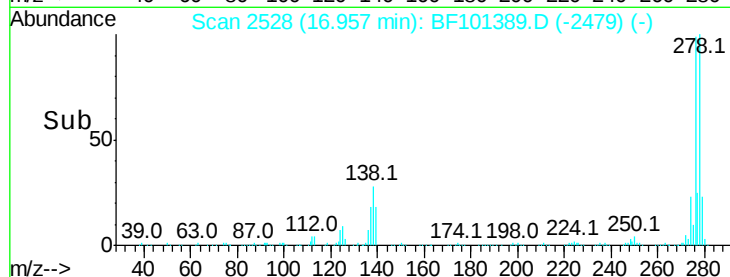
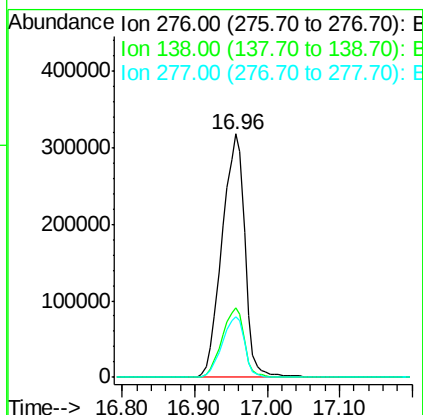
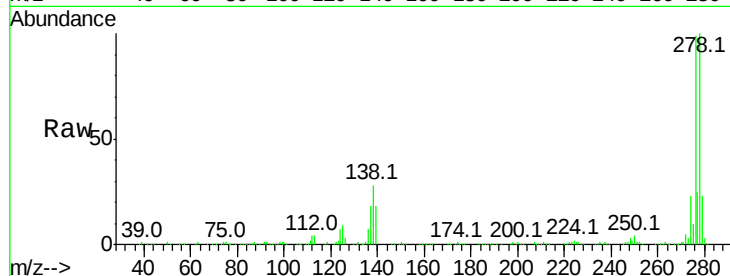




#85  
Indeno(1,2,3-cd)pyrene  
Concen: 28.976 ng  
RT: 16.96 min Scan# 2528  
Delta R.T. -0.01 min  
Lab File: BF101389.D  
Acq: 14 Dec 2017 12:18

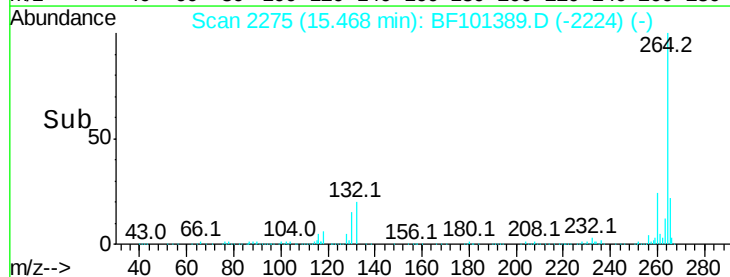
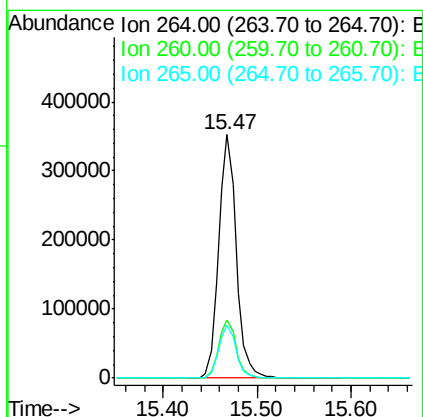
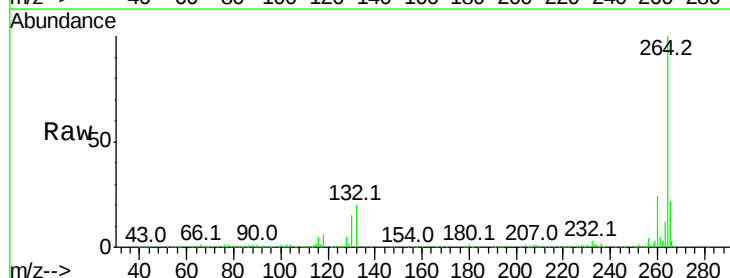
Instrument :  
BNA\_F  
ClientSampleId :

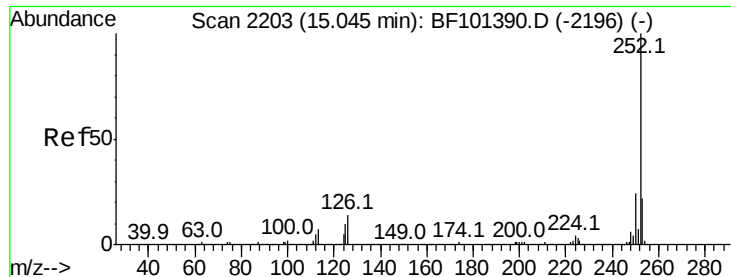
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 28.2  | 25.0  | 37.6  |
| 277     | 24.7  | 20.1  | 30.1  |



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.47 min Scan# 2275  
Delta R.T. -0.00 min  
Lab File: BF101389.D  
Acq: 14 Dec 2017 12:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.7  | 19.2  | 28.8  |
| 265     | 21.9  | 17.5  | 26.3  |

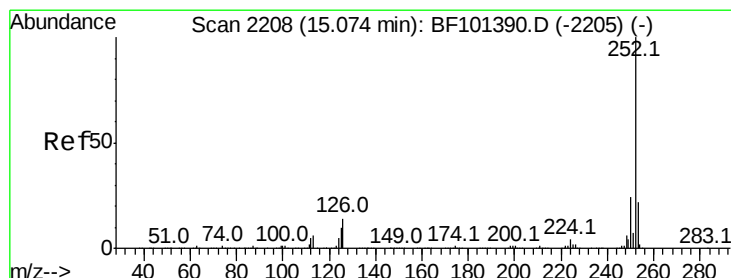
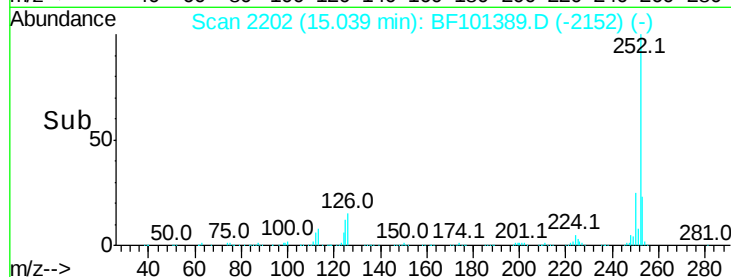
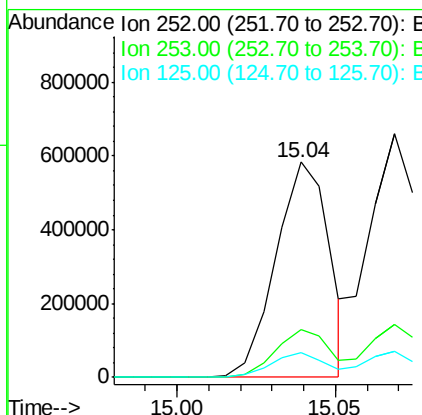
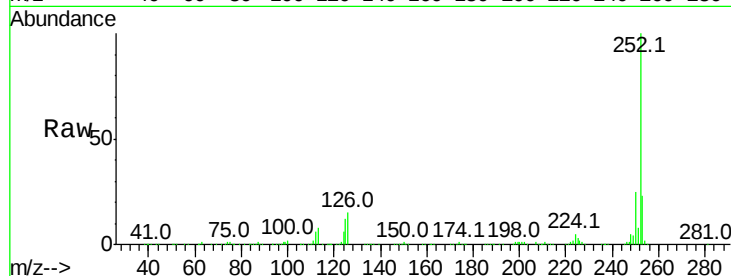




#87  
Benzo(b)fluoranthene  
Concen: 24.692 ng  
RT: 15.04 min Scan# 2202  
Delta R.T. -0.01 min  
Lab File: BF101389.D  
Acq: 14 Dec 2017 12:18

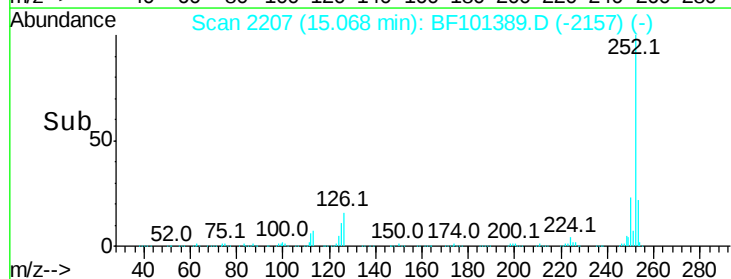
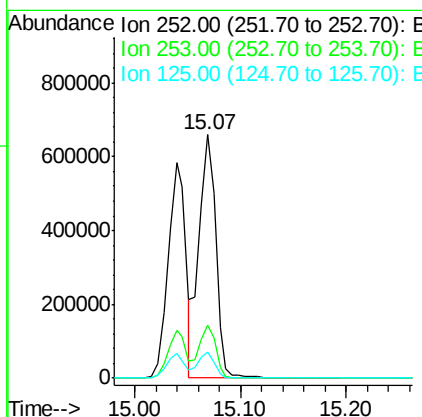
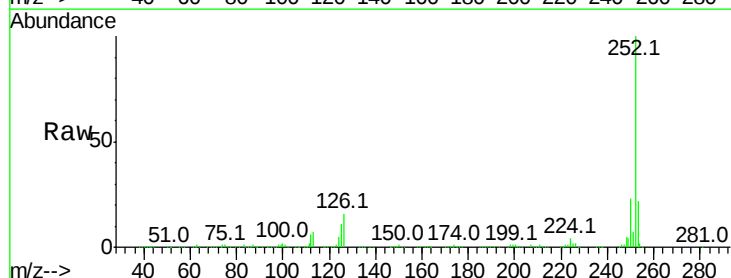
Instrument :  
BNA\_F  
ClientSampleId :

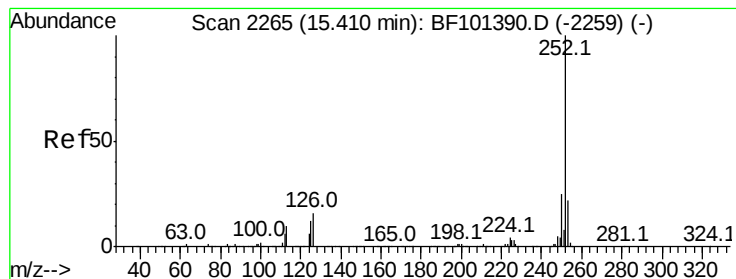
Tot Ion:252 Resp: 684238  
Ion Ratio Lower Upper  
252 100  
253 22.5 17.0 25.6  
125 11.6 9.0 13.6



#88  
Benzo(k)fluoranthene  
Concen: 26.450 ng  
RT: 15.07 min Scan# 2207  
Delta R.T. -0.01 min  
Lab File: BF101389.D  
Acq: 14 Dec 2017 12:18

Tgt Ion:252 Resp: 722130  
Ion Ratio Lower Upper  
252 100  
253 21.8 17.9 26.9  
125 10.7 10.2 15.2





#89

Benzo(a)pyrene

Concen: 26.536 ng

RT: 15.41 min Scan# 2265

Delta R.T. -0.00 min

Lab File: BF101389.D

Acq: 14 Dec 2017 12:18

Instrument :

BNA\_F

ClientSampleId :

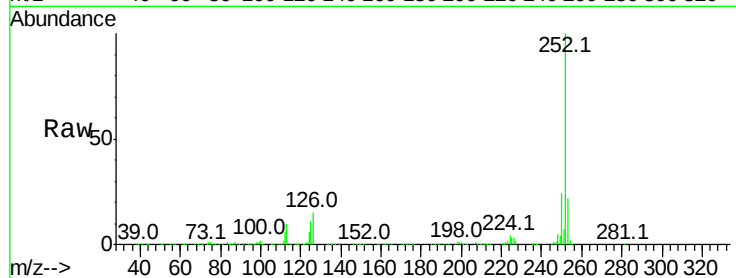
Tot Ion:252 Resp: 668516

Ion Ratio Lower Upper

252 100

253 21.5 17.1 25.7

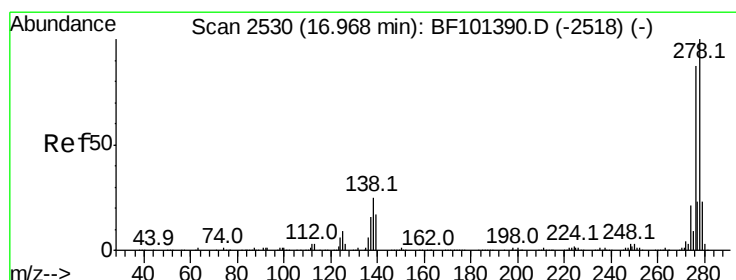
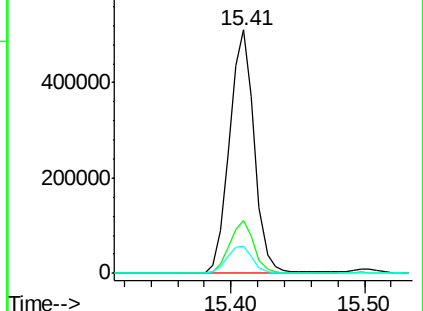
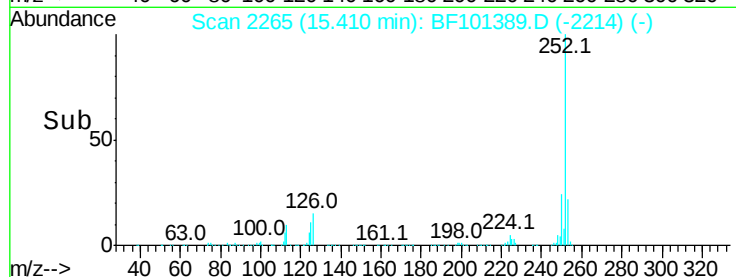
125 11.3 9.8 14.6



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



#90

Dibenzo(a,h)anthracene

Concen: 26.498 ng

RT: 16.96 min Scan# 2528

Delta R.T. -0.01 min

Lab File: BF101389.D

Acq: 14 Dec 2017 12:18

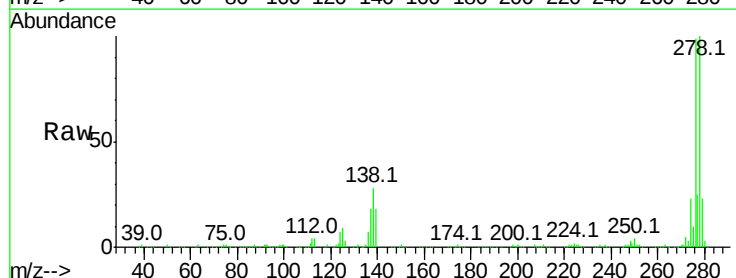
Tgt Ion:278 Resp: 588517

Ion Ratio Lower Upper

278 100

139 18.4 15.9 23.9

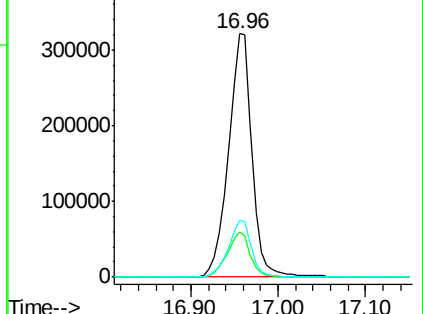
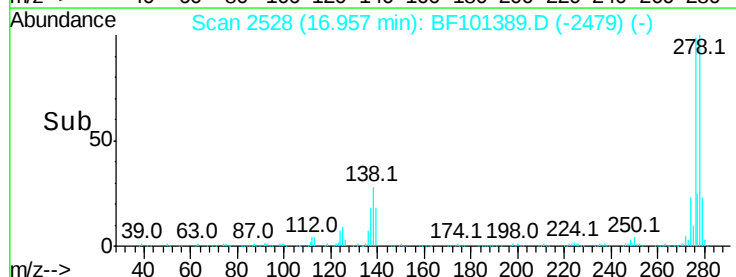
279 23.1 19.0 28.4

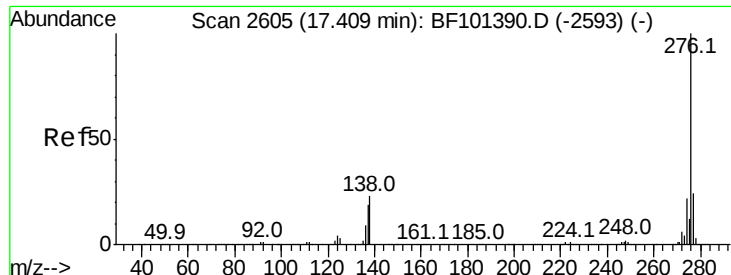


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 27.641 ng

RT: 17.40 min Scan# 2604

Delta R.T. -0.01 min

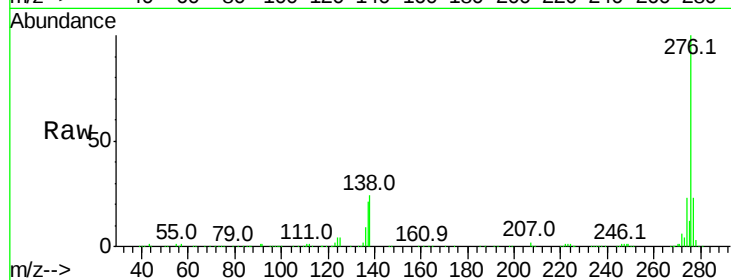
Lab File: BF101389.D

Acq: 14 Dec 2017 12:18

Instrument :

BNA\_F

ClientSampleId :



Tot Ion: 276 Resp: 578559

Ion Ratio Lower Upper

276 100

277 23.1 17.9 26.9

138 24.4 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

