

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010918\  
 Data File : BF101948.D  
 Acq On : 9 Jan 2018 13:03  
 Operator : SJ/JU  
 Sample : SSTDICC050  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC050

Quant Time: Jan 09 13:30:51 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 09 13:07:12 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.73  | 152  | 217919   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.01  | 136  | 926978   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.76  | 164  | 407229   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.25 | 188  | 692539   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 13.88 | 240  | 428350   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.29 | 264  | 362959   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.32  | 112 | 1466571 | 100.25 | ng | 0.00 |
| 7) Phenol-d6             | 6.36  | 99  | 1754202 | 96.35  | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.30  | 82  | 1563076 | 93.86  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.55 | 330 | 349971  | 89.19  | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 9.09  | 172 | 2478341 | 94.41  | ng | 0.00 |
| 78) Terphenyl-d14        | 12.83 | 244 | 1950479 | 109.77 | ng | 0.00 |

## Target Compounds

|                                |      |     |         |         |    | Qvalue |
|--------------------------------|------|-----|---------|---------|----|--------|
| 2) 1,4-Dioxane                 | 2.39 | 88  | 379163  | 50.440  | ng | 95     |
| 3) Pyridine                    | 3.09 | 79  | 1054274 | 50.478  | ng | 94     |
| 4) n-Nitrosodimethylamine      | 3.05 | 42  | 449494  | 46.743  | ng | 95     |
| 6) Aniline                     | 6.39 | 93  | 1276774 | 50.462  | ng | 99     |
| 8) 2-Chlorophenol              | 6.51 | 128 | 745987  | 48.474  | ng | 98     |
| 9) Benzaldehyde                | 6.27 | 77  | 617514  | 45.924  | ng | 98     |
| 10) Phenol                     | 6.37 | 94  | 1001262 | 48.249  | ng | 95     |
| 11) bis(2-Chloroethyl)ether    | 6.47 | 93  | 760984  | 46.750  | ng | 94     |
| 12) 1,3-Dichlorobenzene        | 6.67 | 146 | 862640  | 49.666  | ng | 99     |
| 13) 1,4-Dichlorobenzene        | 6.75 | 146 | 866744  | 48.867  | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 6.90 | 146 | 784444  | 49.135  | ng | 99     |
| 15) Benzyl Alcohol             | 6.87 | 79  | 654564  | 52.232  | ng | 98     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.01 | 45  | 1428379 | 57.337  | ng | 97     |
| 17) 2-Methylphenol             | 6.98 | 107 | 684991  | 48.389  | ng | 99     |
| 18) Hexachloroethane           | 7.24 | 117 | 308731  | 50.065  | ng | 94     |
| 19) n-Nitroso-di-n-propylamine | 7.15 | 70  | 586996  | 49.092  | ng | 93     |
| 20) 3+4-Methylphenols          | 7.14 | 107 | 780536  | 52.033  | ng | # 71   |
| 22) Acetophenone               | 7.15 | 105 | 1020870 | 48.265  | ng | 94     |
| 24) Nitrobenzene               | 7.32 | 77  | 826756  | 44.859  | ng | 99     |
| 25) Isophorone                 | 7.56 | 82  | 1490879 | 44.629  | ng | 99     |
| 26) 2-Nitrophenol              | 7.63 | 139 | 383417  | 48.424  | ng | 98     |
| 27) 2,4-Dimethylphenol         | 7.66 | 122 | 639775  | 47.562  | ng | 98     |
| 28) bis(2-Chloroethoxy)methane | 7.77 | 93  | 892971  | 42.081  | ng | 99     |
| 29) 2,4-Dichlorophenol         | 7.86 | 162 | 611778  | 46.035  | ng | 98     |
| 30) 1,2,4-Trichlorobenzene     | 7.95 | 180 | 627516  | 44.745  | ng | 99     |
| 31) Naphthalene                | 8.03 | 128 | 2160750 | 46.301  | ng | 100    |
| 32) Benzoic acid               | 7.80 | 122 | 587005  | 73.175  | ng | 99     |
| 33) 4-Chloroaniline            | 8.08 | 127 | 928414  | 45.772  | ng | 97     |
| 34) Hexachlorobutadiene        | 8.15 | 225 | 329328  | 40.601  | ng | 99     |
| 35) Caprolactam                | 8.47 | 113 | 216138  | 46.839  | ng | 95     |
| 36) 4-Chloro-3-methylphenol    | 8.56 | 107 | 658531  | 45.085  | ng | 100    |
| 37) 2-Methylnaphthalene        | 8.72 | 142 | 1420798 | 46.730  | ng | 99     |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.89 | 216 | 536881  | 39.048  | ng | 98     |
| 40) Hexachlorocyclopentadiene  | 8.87 | 237 | 320297  | 178.108 | ng | 100    |

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 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

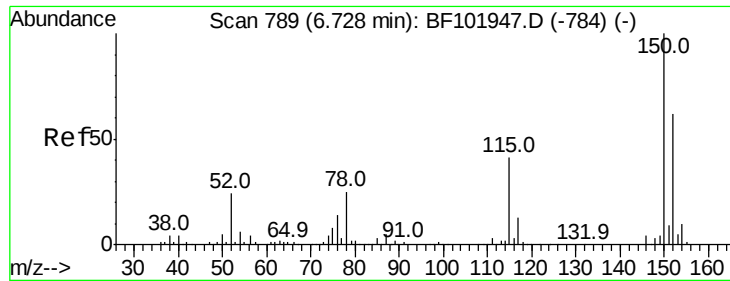
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC050

Quant Time: Jan 09 13:30:51 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 09 13:07:12 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.00  | 196  | 401052   | 48.452 | ng    | 99       |
| 43) 2,4,5-Trichlorophenol      | 9.03  | 196  | 432713   | 47.744 | ng    | 96       |
| 45) 1,1'-Biphenyl              | 9.19  | 154  | 1648737  | 45.652 | ng    | 99       |
| 46) 2-Chloronaphthalene        | 9.22  | 162  | 1295825  | 46.893 | ng    | 98       |
| 47) 2-Nitroaniline             | 9.31  | 65   | 444553   | 46.569 | ng    | 93       |
| 48) Acenaphthylene             | 9.63  | 152  | 2076015  | 47.564 | ng    | 99       |
| 49) Dimethylphthalate          | 9.50  | 163  | 1537544  | 46.939 | ng    | 100      |
| 50) 2,6-Dinitrotoluene         | 9.56  | 165  | 341382   | 51.278 | ng    | 94       |
| 51) Acenaphthene               | 9.80  | 154  | 1273690  | 48.572 | ng    | 100      |
| 52) 3-Nitroaniline             | 9.72  | 138  | 428178   | 51.587 | ng    | 98       |
| 53) 2,4-Dinitrophenol          | 9.82  | 184  | 114391   | 64.360 | ng    | # 22     |
| 54) Dibenzofuran               | 9.97  | 168  | 1698957  | 50.982 | ng    | 96       |
| 55) 4-Nitrophenol              | 9.87  | 139  | 330181   | 91.229 | ng    | 88       |
| 56) 2,4-Dinitrotoluene         | 9.95  | 165  | 440715   | 58.756 | ng    | 93       |
| 57) Fluorene                   | 10.32 | 166  | 1210170  | 42.927 | ng    | 98       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.09 | 232  | 315520   | 48.456 | ng    | 99       |
| 59) Diethylphthalate           | 10.19 | 149  | 1524090  | 46.985 | ng    | 99       |
| 60) 4-Chlorophenyl-phenylether | 10.31 | 204  | 516563   | 38.233 | ng    | 97       |
| 61) 4-Nitroaniline             | 10.34 | 138  | 405521   | 48.607 | ng    | 94       |
| 62) Azobenzene                 | 10.47 | 77   | 1528749  | 45.495 | ng    | 96       |
| 64) 4,6-Dinitro-2-methylphenol | 10.36 | 198  | 193353   | 54.711 | ng    | 90       |
| 65) n-Nitrosodiphenylamine     | 10.43 | 169  | 1200231  | 46.936 | ng    | 99       |
| 66) 4-Bromophenyl-phenylether  | 10.80 | 248  | 345565   | 44.408 | ng    | 94       |
| 67) Hexachlorobenzene          | 10.86 | 284  | 374630   | 45.488 | ng    | # 91     |
| 68) Atrazine                   | 10.96 | 200  | 353841   | 46.406 | ng    | 99       |
| 69) Pentachlorophenol          | 11.05 | 266  | 256731   | 94.336 | ng    | 99       |
| 70) Phenanthrene               | 11.27 | 178  | 1854708  | 48.158 | ng    | 99       |
| 71) Anthracene                 | 11.32 | 178  | 1886590  | 47.956 | ng    | 99       |
| 72) Carbazole                  | 11.48 | 167  | 1873275  | 50.859 | ng    | 100      |
| 73) Di-n-butylphthalate        | 11.82 | 149  | 2296751  | 51.376 | ng    | 99       |
| 74) Fluoranthene               | 12.46 | 202  | 1822029  | 45.072 | ng    | 99       |
| 76) Benzidine                  | 12.58 | 184  | 1044978  | 57.761 | ng    | # 94     |
| 77) Pyrene                     | 12.69 | 202  | 1879399  | 58.462 | ng    | 100      |
| 79) Butylbenzylphthalate       | 13.31 | 149  | 925757   | 63.643 | ng    | 96       |
| 80) Benzo(a)anthracene         | 13.87 | 228  | 1318326  | 46.609 | ng    | 100      |
| 81) 3,3'-Dichlorobenzidine     | 13.84 | 252  | 510286   | 55.330 | ng    | 99       |
| 82) Chrysene                   | 13.91 | 228  | 1401128  | 52.465 | ng    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 13.87 | 149  | 995084   | 54.010 | ng    | 99       |
| 84) Di-n-octyl phthalate       | 14.48 | 149  | 1732448  | 52.726 | ng    | 96       |
| 85) Indeno(1,2,3-cd)pyrene     | 16.67 | 276  | 1052454  | 44.255 | ng    | # 93     |
| 87) Benzo(b)fluoranthene       | 14.89 | 252  | 1173450  | 53.042 | ng    | 98       |
| 88) Benzo(k)fluoranthene       | 14.92 | 252  | 1110726  | 51.638 | ng    | 99       |
| 89) Benzo(a)pyrene             | 15.24 | 252  | 1052785  | 51.621 | ng    | # 96     |
| 90) Dibenzo(a,h)anthracene     | 16.69 | 278  | 869141   | 49.636 | ng    | # 95     |
| 91) Benzo(g,h,i)perylene       | 17.09 | 276  | 885115   | 51.048 | ng    | 93       |

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



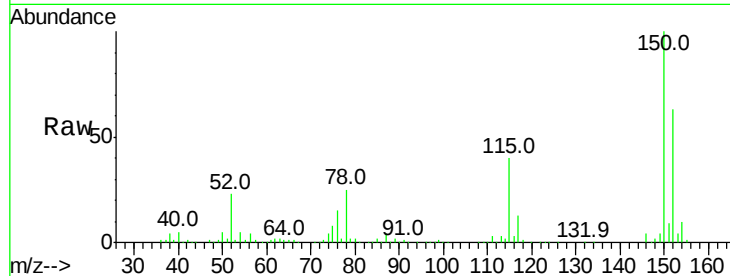


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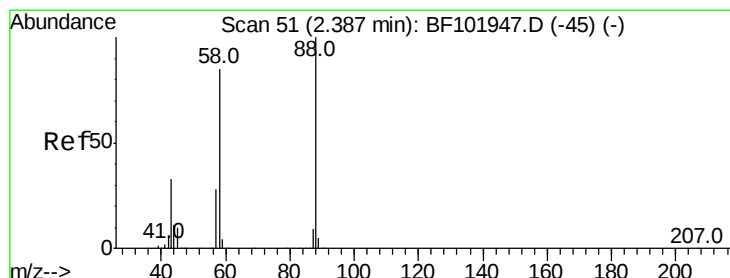
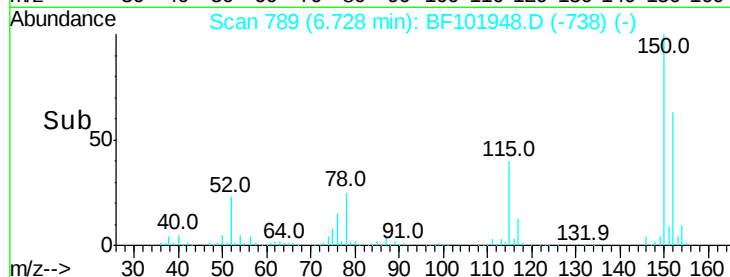
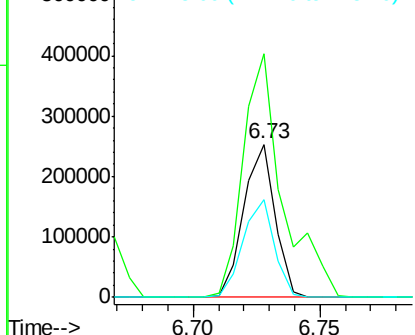
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.73 min Scan# 789  
Delta R.T. -0.00 min  
Lab File: BF101948.D  
Acq: 9 Jan 2018 13:03

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDIC050

Tot Ion:152 Resp: 217919  
Ion Ratio Lower Upper  
152 100  
150 159.4 124.6 186.8  
115 63.9 50.1 75.1



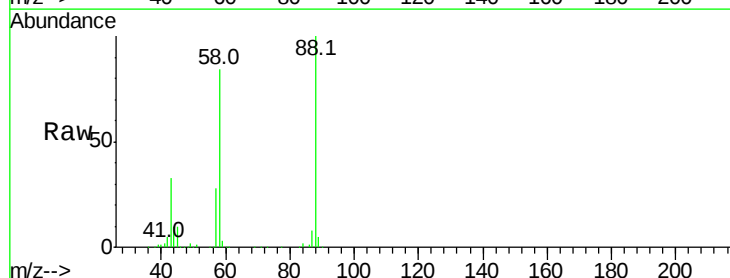
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



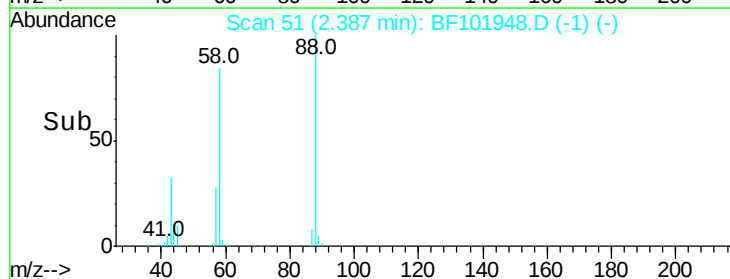
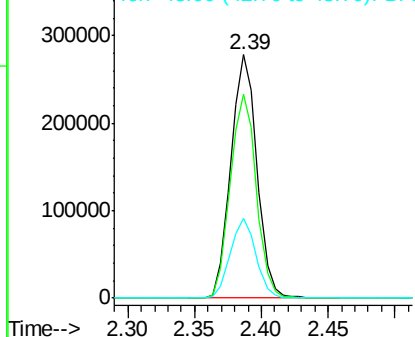
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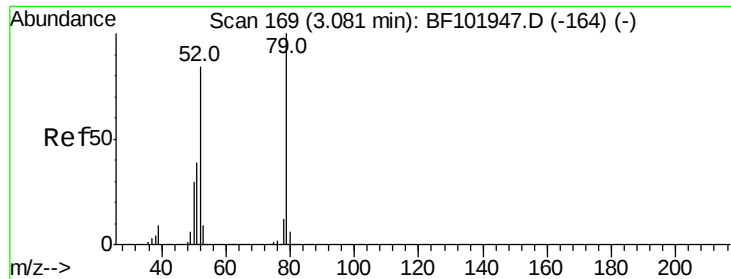
1,4-Dioxane  
Concen: 50.440 ng  
RT: 2.39 min Scan# 51  
Delta R.T. -0.00 min  
Lab File: BF101948.D  
Acq: 9 Jan 2018 13:03

Tgt Ion: 88 Resp: 379163  
Ion Ratio Lower Upper  
88 100  
58 84.2 62.6 93.8  
43 31.8 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

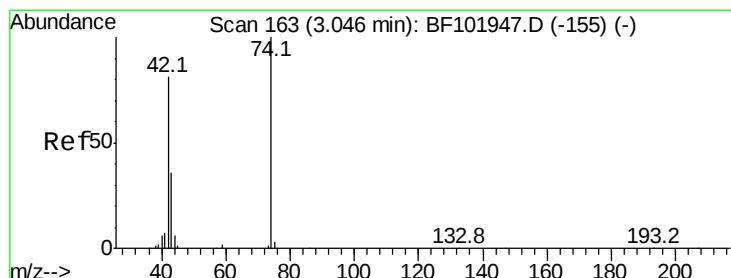
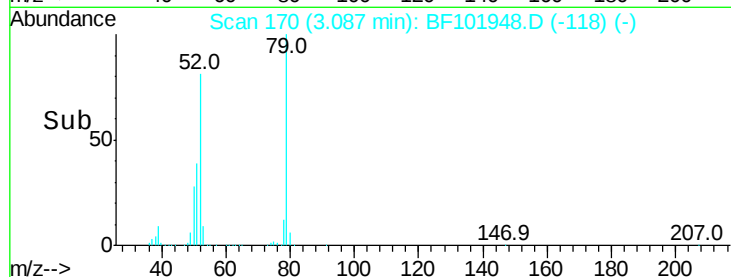
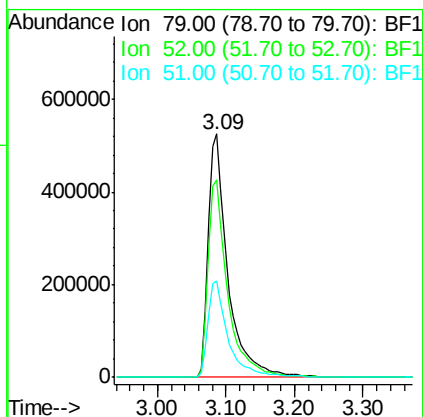
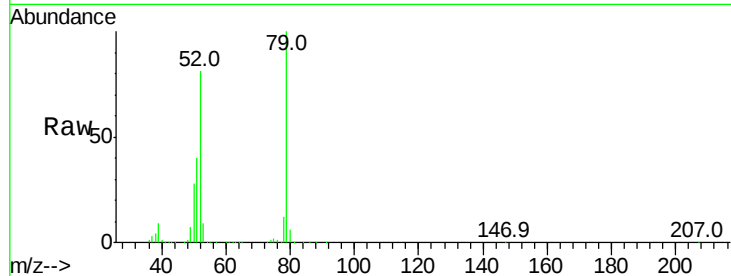




#3  
 Pvridine  
 Concen: 50.478 ng  
 RT: 3.09 min Scan# 170  
 Delta R.T. 0.01 min  
 Lab File: BF101948.D  
 Acq: 9 Jan 2018 13:03

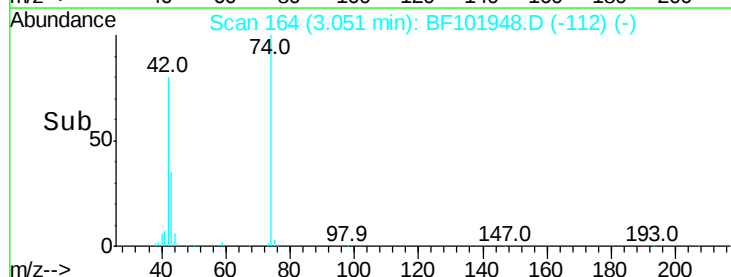
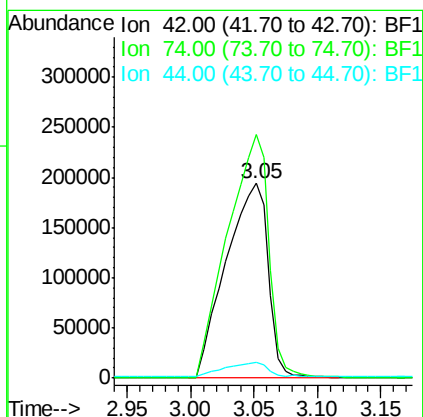
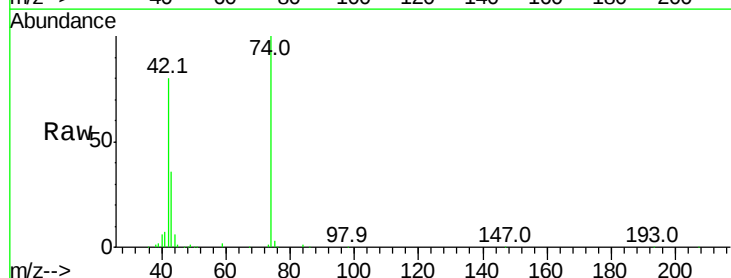
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC050

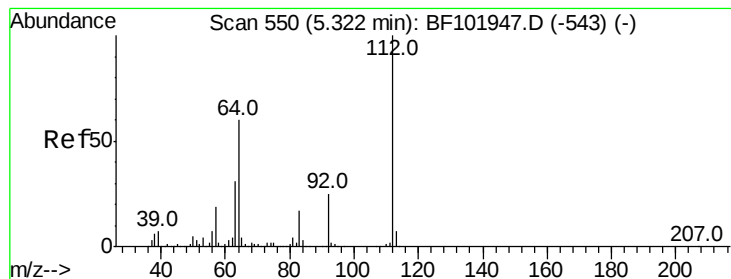
Tot Ion: 79 Resp: 1054274  
 Ion Ratio Lower Upper  
 79 100  
 52 81.3 59.8 89.6  
 51 39.6 29.8 44.8



#4  
 n-Nitrosodimethylamine  
 Concen: 46.743 ng  
 RT: 3.05 min Scan# 164  
 Delta R.T. 0.01 min  
 Lab File: BF101948.D  
 Acq: 9 Jan 2018 13:03

Tgt Ion: 42 Resp: 449494  
 Ion Ratio Lower Upper  
 42 100  
 74 125.1 104.9 157.3  
 44 7.8 6.9 10.3





#5

2-Fluorophenol

Concen: 100.247 ng

RT: 5.32 min Scan# 550

Delta R.T. -0.00 min

Lab File: BF101948.D

Acq: 9 Jan 2018 13:03

Instrument :

BNA\_F

ClientSampleId :

SSTDIC050

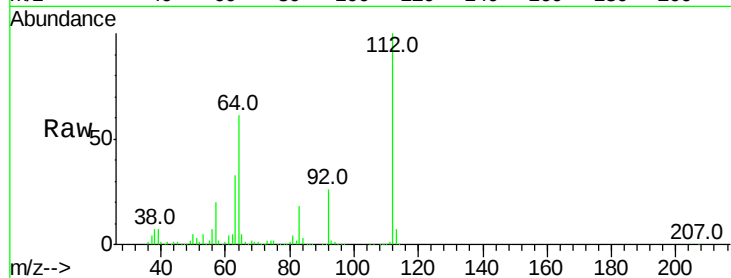
Tot Ion:112 Resp: 1466571

Ion Ratio Lower Upper

112 100

64 61.4 47.9 71.9

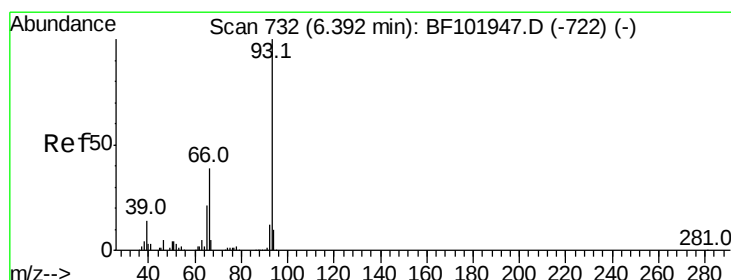
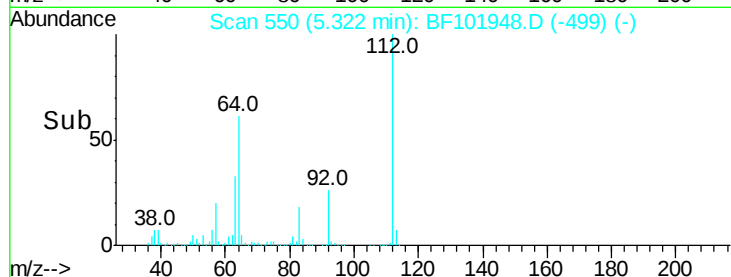
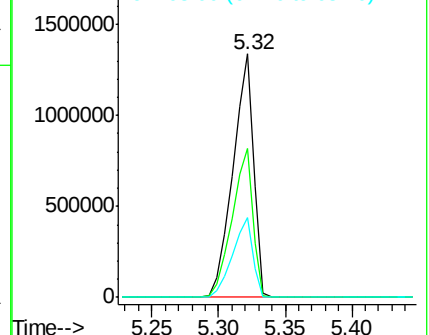
63 32.7 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 50.462 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.00 min

Lab File: BF101948.D

Acq: 9 Jan 2018 13:03

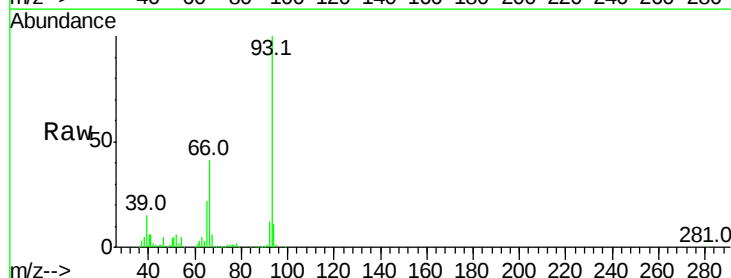
Tgt Ion: 93 Resp: 1276774

Ion Ratio Lower Upper

93 100

66 40.8 32.2 48.2

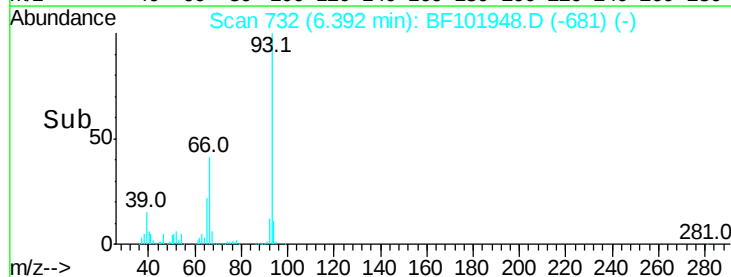
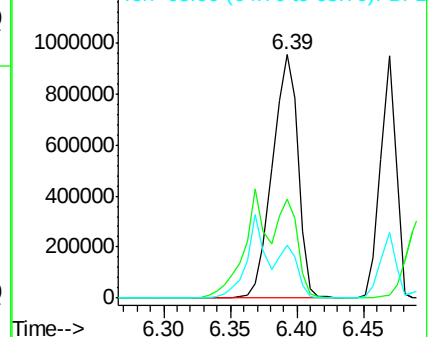
65 21.6 16.4 24.6

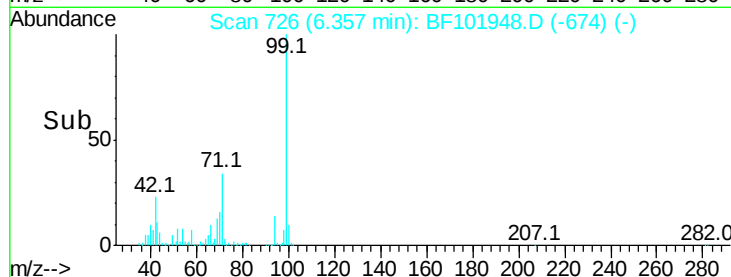
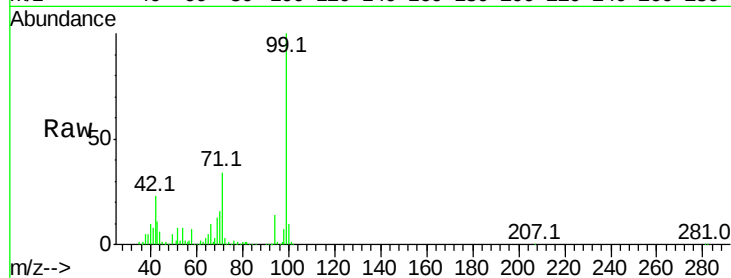
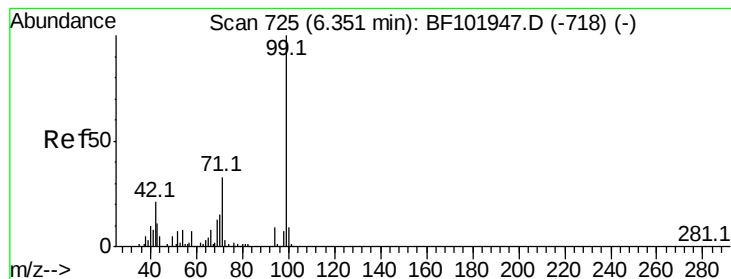


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 96.347 ng

RT: 6.36 min Scan# 726

Delta R.T. 0.01 min

Lab File: BF101948.D

Acq: 9 Jan 2018 13:03

Instrument :

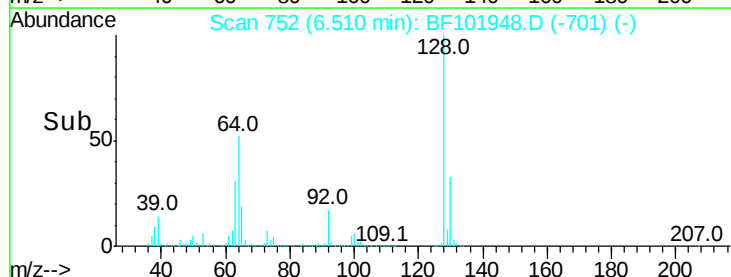
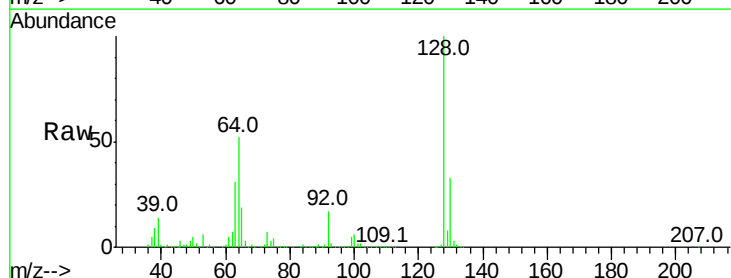
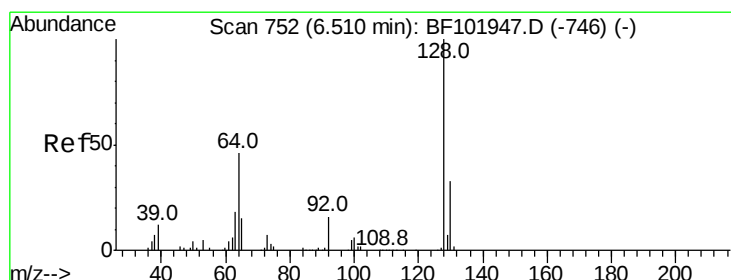
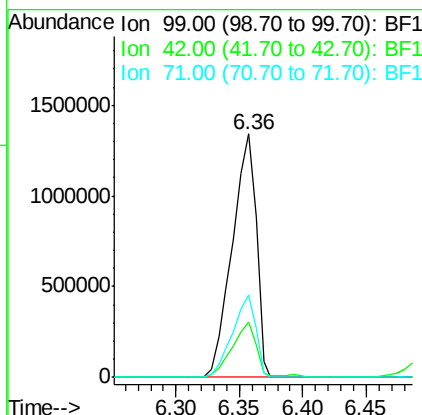
BNA\_F

ClientSampleId :

SSTDIC050

Tot Ion: 99 Resp: 1754202

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 22.5  | 14.5  | 21.7# |
| 71  | 33.7  | 25.4  | 38.0  |



#8

2-Chlorophenol

Concen: 48.474 ng

RT: 6.51 min Scan# 752

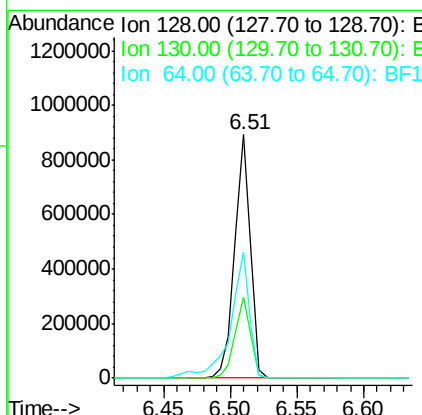
Delta R.T. -0.00 min

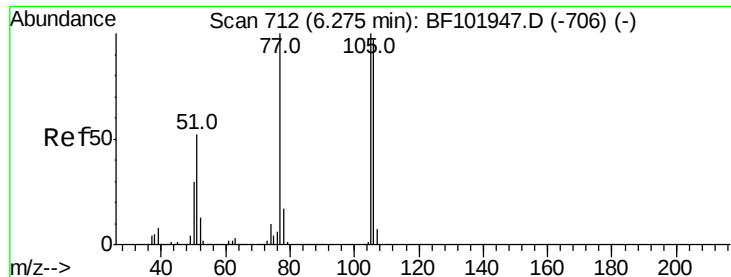
Lab File: BF101948.D

Acq: 9 Jan 2018 13:03

Tgt Ion: 128 Resp: 745987

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 130 | 33.2  | 13.0  | 53.0  |
| 64  | 52.0  | 29.4  | 69.4  |





#9

Benzaldehyde

Concen: 45.924 ng

RT: 6.27 min Scan# 712

Delta R.T. -0.00 min

Lab File: BF101948.D

Acq: 9 Jan 2018 13:03

Instrument :

BNA\_F

ClientSampleId :

SSTDICC050

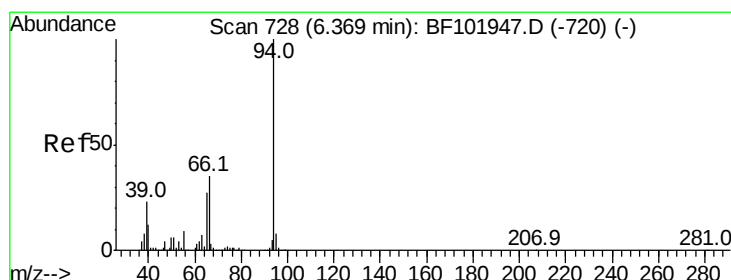
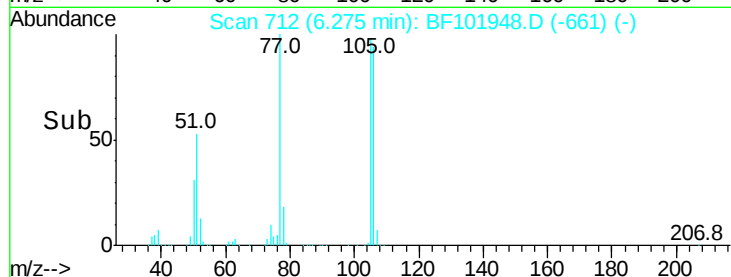
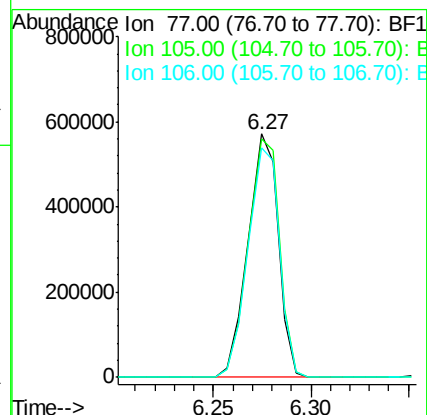
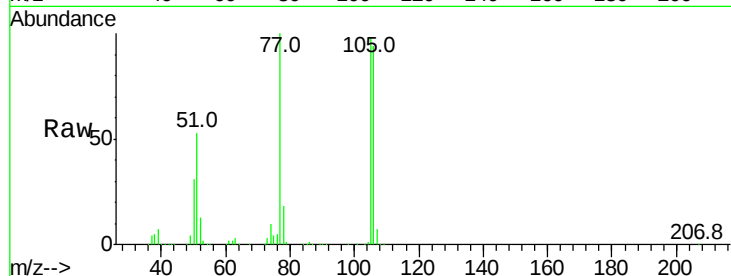
Tot Ion: 77 Resp: 617514

Ion Ratio Lower Upper

77 100

105 97.7 81.1 121.1

106 94.3 74.5 114.5



#10

Phenol

Concen: 48.249 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.00 min

Lab File: BF101948.D

Acq: 9 Jan 2018 13:03

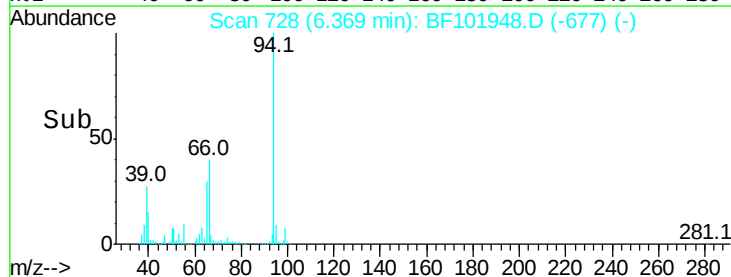
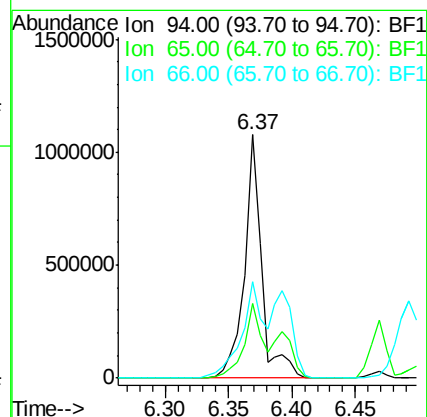
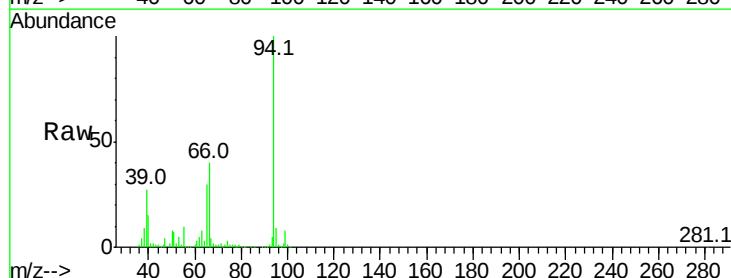
Tgt Ion: 94 Resp: 1001262

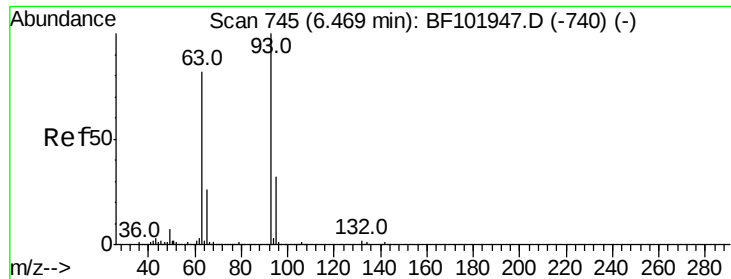
Ion Ratio Lower Upper

94 100

65 30.4 7.9 47.9

66 39.6 16.2 56.2

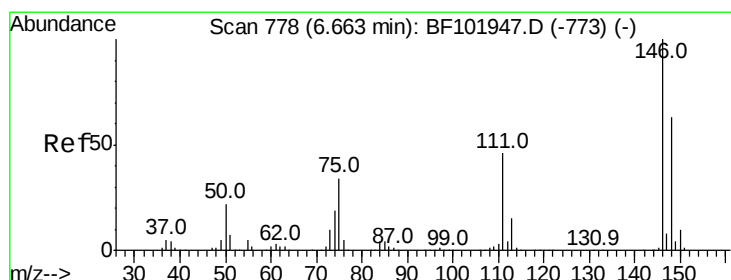
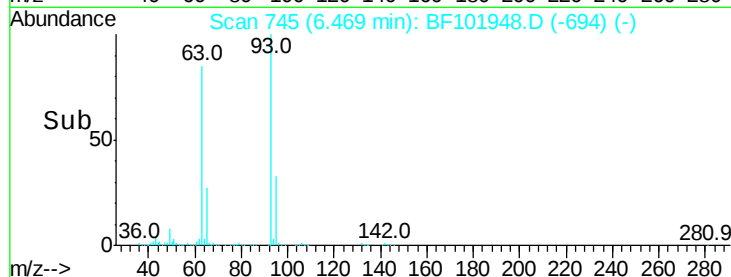
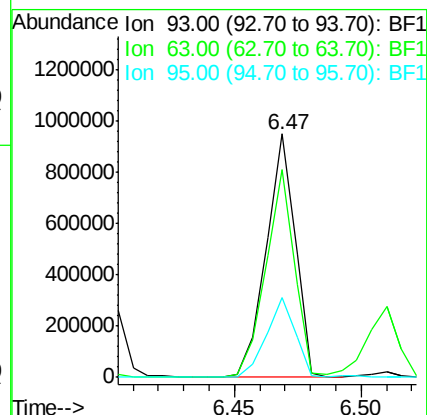
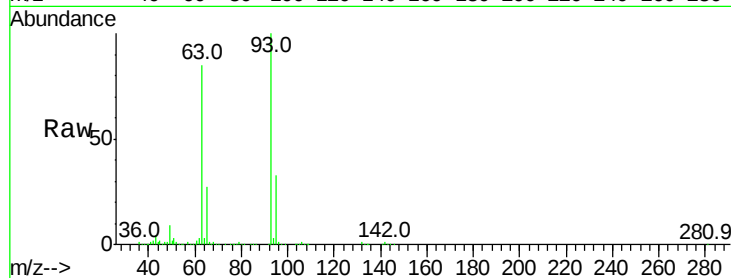




#11  
bis(2-Chloroethyl)ether  
Concen: 46.750 ng  
RT: 6.47 min Scan# 745  
Delta R.T. -0.00 min  
Lab File: BF101948.D  
Acq: 9 Jan 2018 13:03

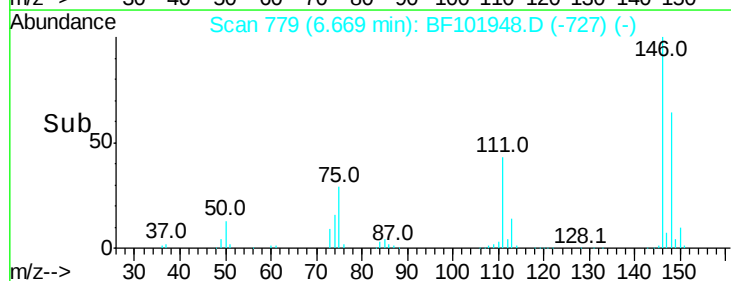
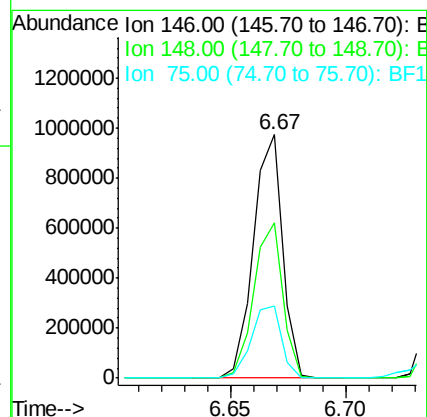
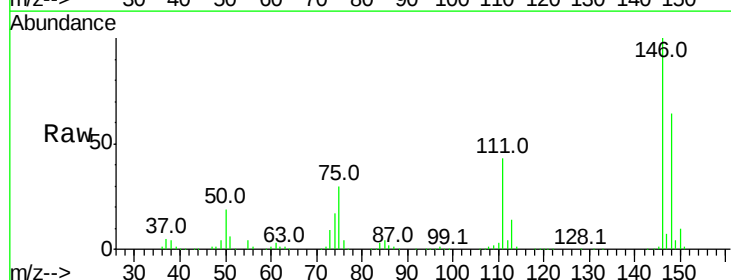
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDIC050

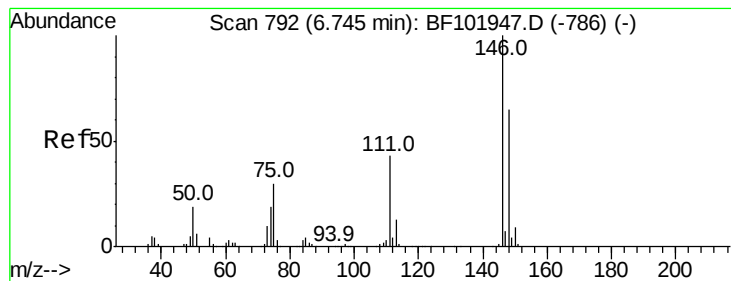
Tot Ion: 93 Resp: 760984  
Ion Ratio Lower Upper  
93 100  
63 85.4 58.6 98.6  
95 32.8 11.8 51.8



#12  
1,3-Dichlorobenzene  
Concen: 49.666 ng  
RT: 6.67 min Scan# 779  
Delta R.T. 0.01 min  
Lab File: BF101948.D  
Acq: 9 Jan 2018 13:03

Tgt Ion: 146 Resp: 862640  
Ion Ratio Lower Upper  
146 100  
148 63.9 51.8 77.8  
75 29.8 24.2 36.4





#13

1,4-Dichlorobenzene

Concen: 48.867 ng

RT: 6.75 min Scan# 792

Delta R.T. -0.00 min

Lab File: BF101948.D

Acq: 9 Jan 2018 13:03

Instrument :

BNA\_F

ClientSampleId :

SSTDIC050

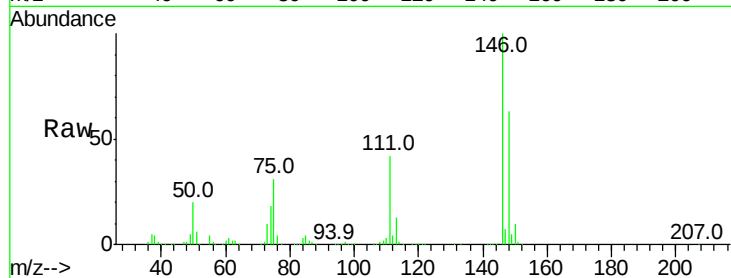
Tot Ion:146 Resp: 866744

Ion Ratio Lower Upper

146 100

148 63.1 50.8 76.2

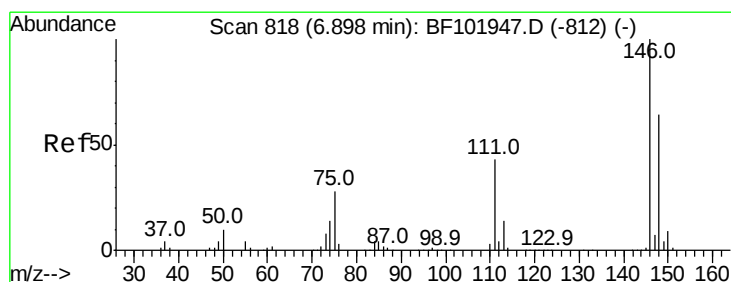
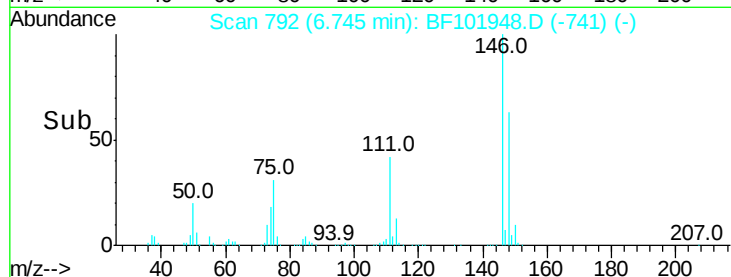
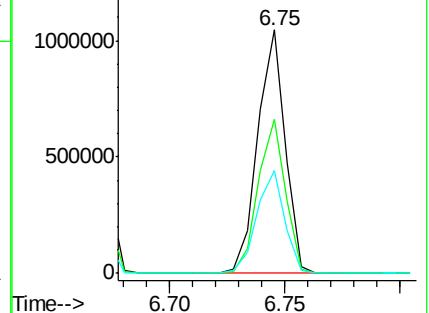
111 42.3 34.2 51.2



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 49.135 ng

RT: 6.90 min Scan# 818

Delta R.T. -0.00 min

Lab File: BF101948.D

Acq: 9 Jan 2018 13:03

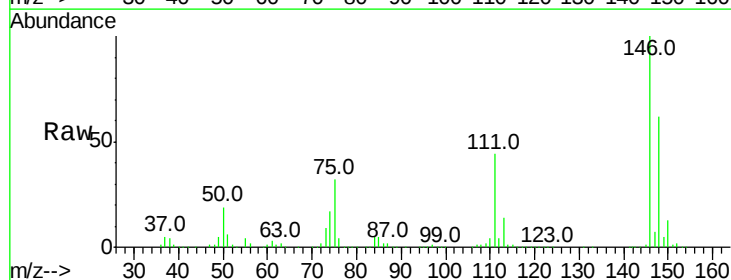
Tgt Ion:146 Resp: 784444

Ion Ratio Lower Upper

146 100

148 62.5 50.6 75.8

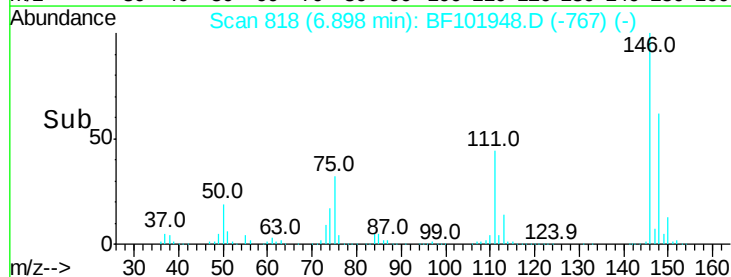
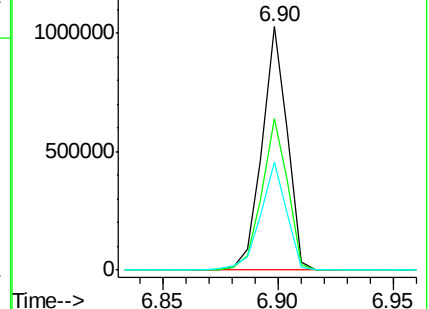
111 44.2 36.0 54.0

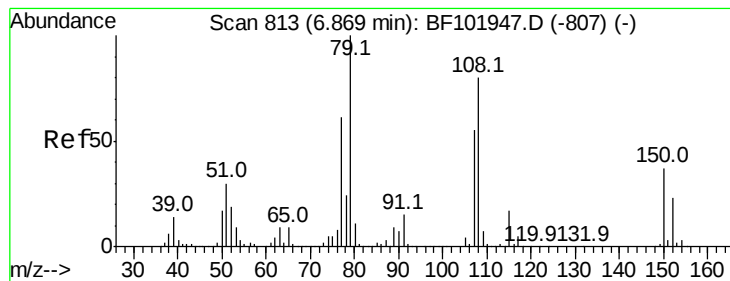


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 52.232 ng

RT: 6.87 min Scan# 813

Delta R.T. -0.00 min

Lab File: BF101948.D

Acq: 9 Jan 2018 13:03

Instrument :

BNA\_F

ClientSampleId :

SSTDIC050

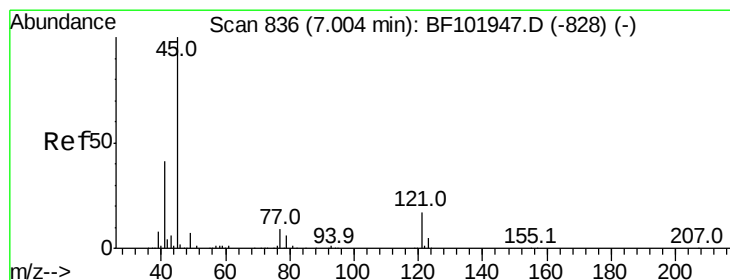
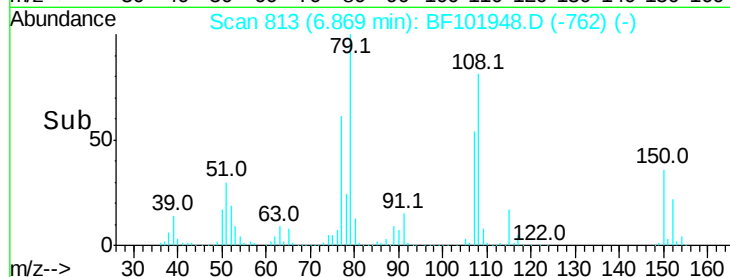
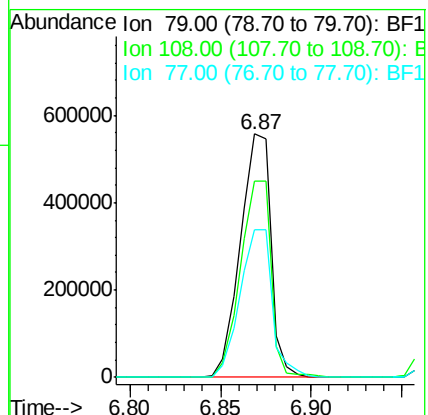
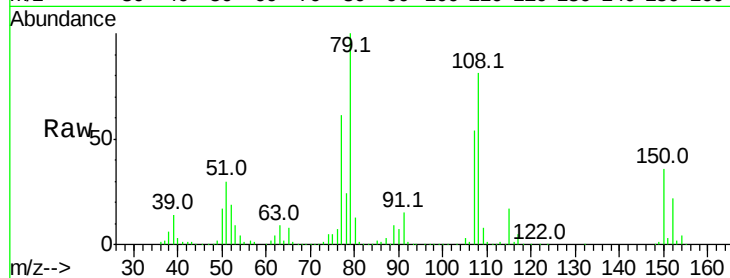
Tot Ion: 79 Resp: 654564

Ion Ratio Lower Upper

79 100

108 80.7 65.1 97.7

77 60.8 50.6 75.8



#16

2,2'-oxybis(1-chloropropane)

Concen: 57.337 ng

RT: 7.01 min Scan# 837

Delta R.T. 0.01 min

Lab File: BF101948.D

Acq: 9 Jan 2018 13:03

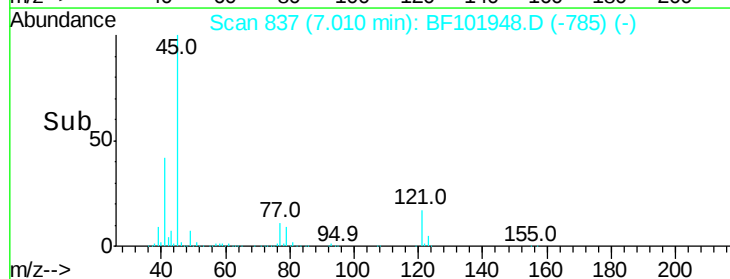
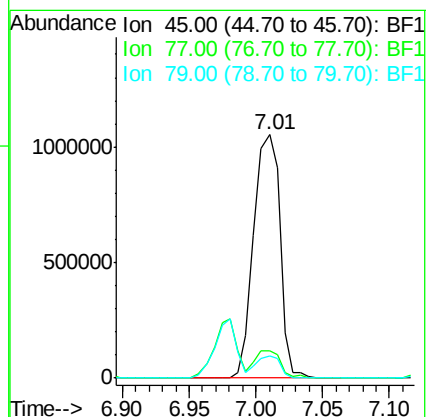
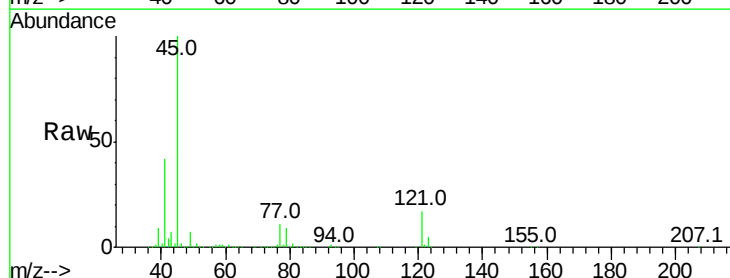
Tgt Ion: 45 Resp: 1428379

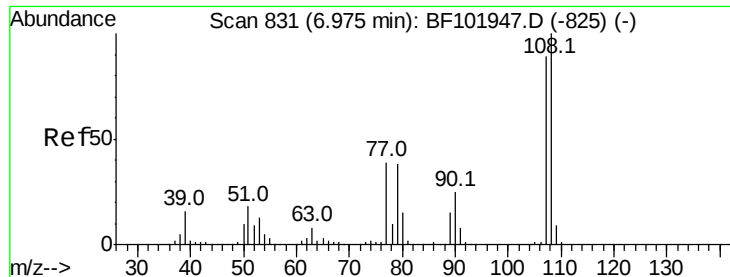
Ion Ratio Lower Upper

45 100

77 11.2 0.0 32.9

79 9.0 0.0 29.6

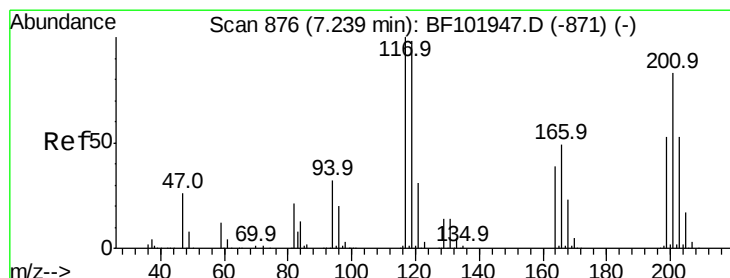
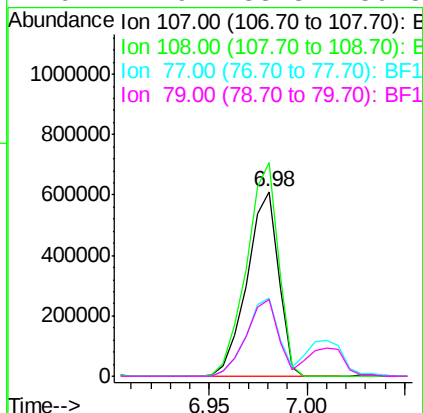
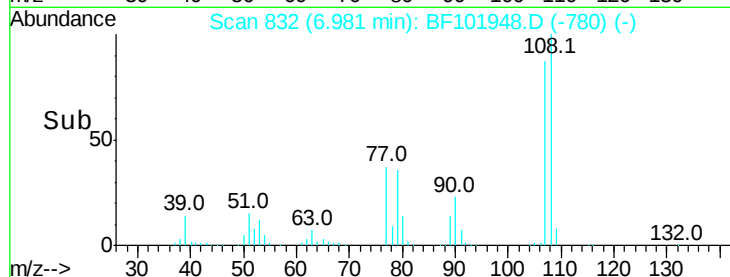
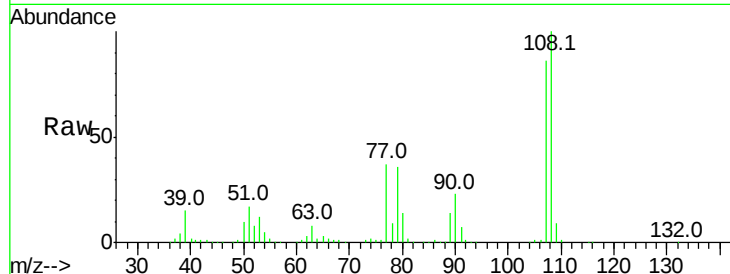




#17  
2-Methylphenol  
Concen: 48.389 ng  
RT: 6.98 min Scan# 832  
Delta R.T. 0.01 min  
Lab File: BF101948.D  
Acq: 9 Jan 2018 13:03

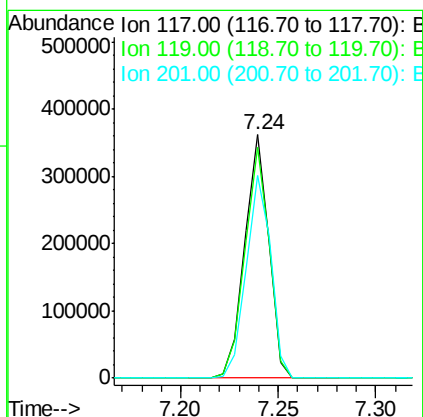
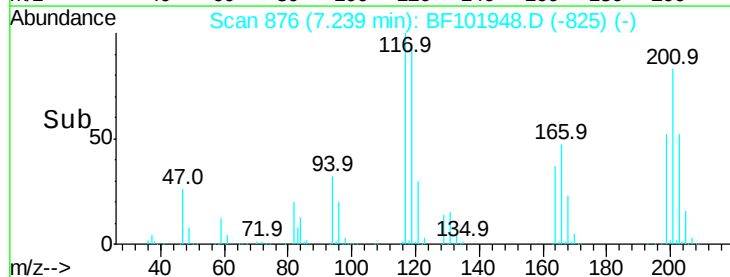
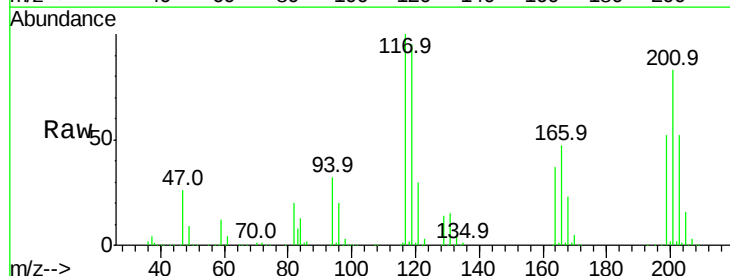
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDIC050

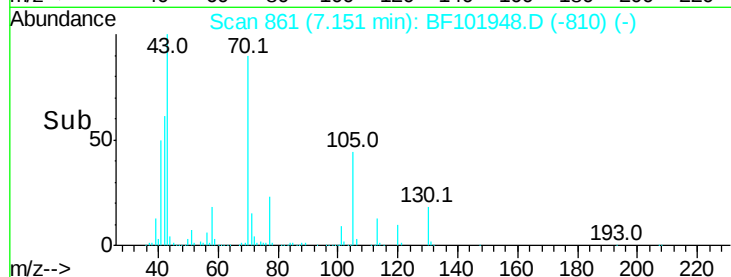
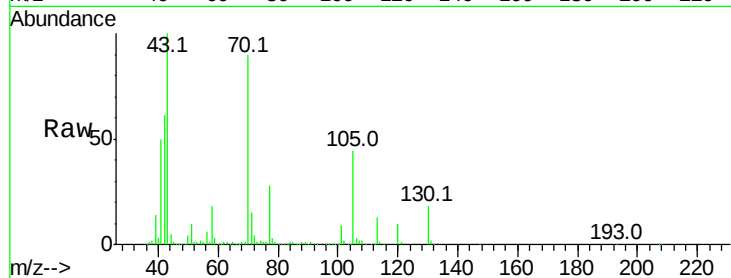
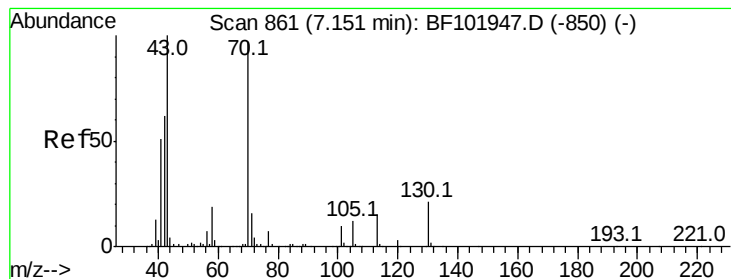
Tot Ion:107 Resp: 684991  
Ion Ratio Lower Upper  
107 100  
108 115.7 91.7 137.5  
77 42.3 33.8 50.8  
79 41.9 33.8 50.8



#18  
Hexachloroethane  
Concen: 50.065 ng  
RT: 7.24 min Scan# 876  
Delta R.T. -0.00 min  
Lab File: BF101948.D  
Acq: 9 Jan 2018 13:03

Tgt Ion:117 Resp: 308731  
Ion Ratio Lower Upper  
117 100  
119 94.8 75.8 113.8  
201 83.3 75.7 113.5





#19

n-Nitroso-di-n-propylamine

Concen: 49.092 ng

RT: 7.15 min Scan# 861

Delta R.T. -0.00 min

Lab File: BF101948.D

Acq: 9 Jan 2018 13:03

Instrument :

BNA\_F

ClientSampleId :

SSTDIC050

Tot Ion: 70 Resp: 586996

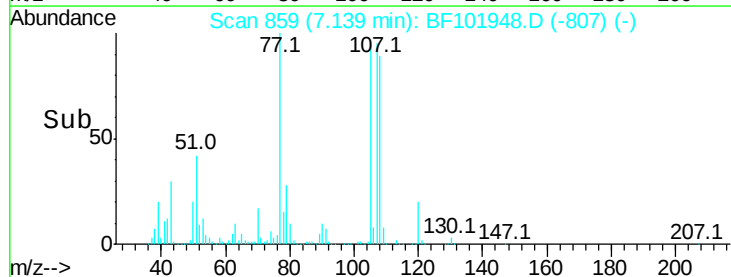
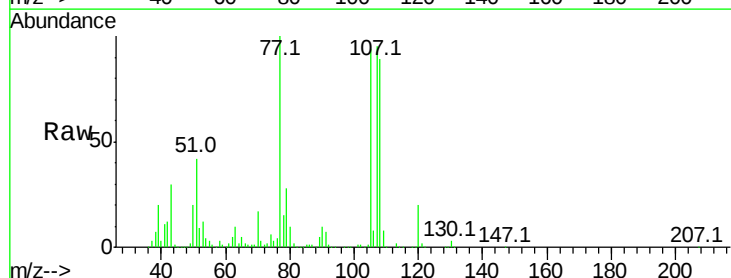
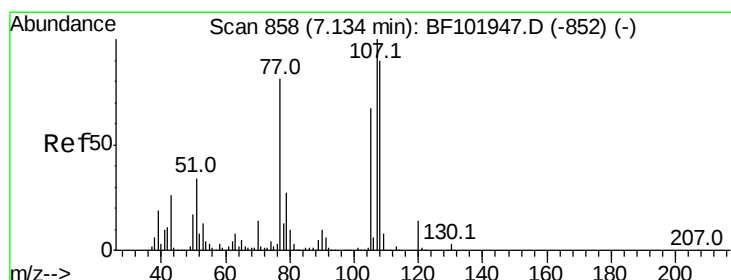
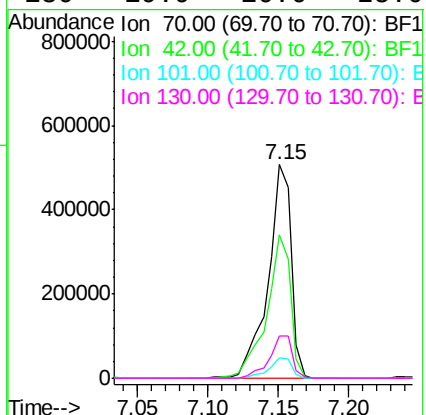
Ion Ratio Lower Upper

70 100

42 67.2 47.5 71.3

101 9.8 7.4 11.2

130 19.9 16.6 25.0



#20

3+4-Methylphenols

Concen: 52.033 ng

RT: 7.14 min Scan# 859

Delta R.T. 0.01 min

Lab File: BF101948.D

Acq: 9 Jan 2018 13:03

Tgt Ion: 107 Resp: 780536

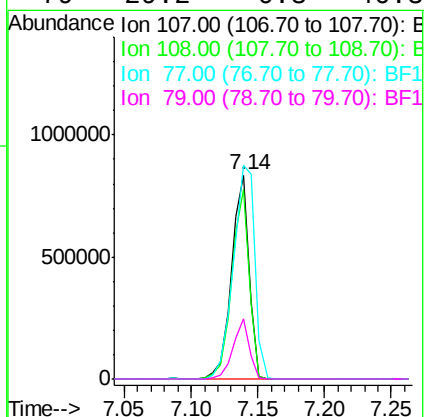
Ion Ratio Lower Upper

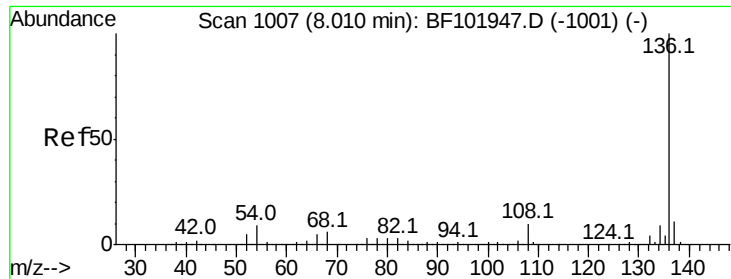
107 100

108 92.9 68.2 108.2

77 104.7 26.7 66.7#

79 29.2 6.3 46.3





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.01 min Scan# 1007

Delta R.T. -0.00 min

Lab File: BF101948.D

Acq: 9 Jan 2018 13:03

Instrument :

BNA\_F

ClientSampleId :

SSTDICC050

Tot Ion:136 Resp: 926978

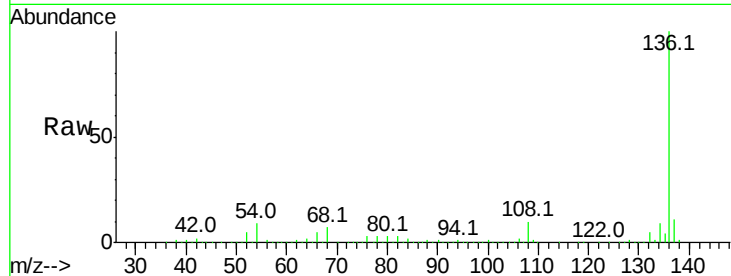
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 8.9 6.6 9.8

68 6.5 5.0 7.4

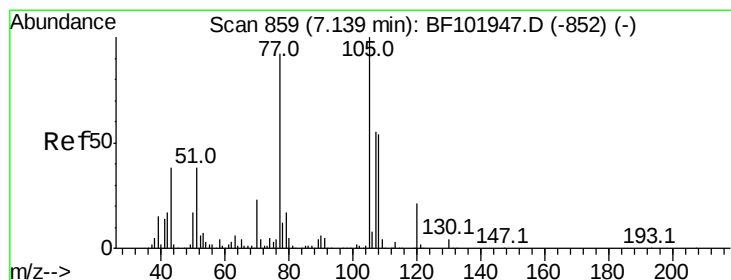
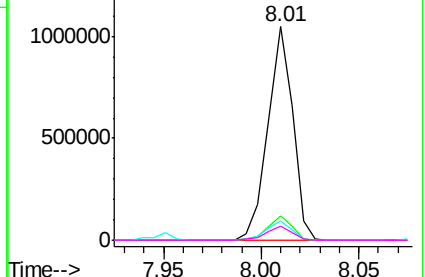
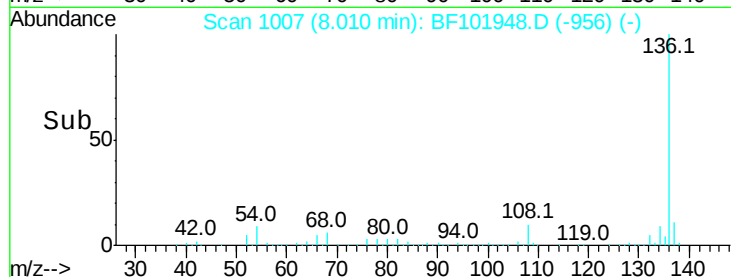


Abundance Ion 136.00 (135.70 to 136.70): E

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: 48.265 ng

RT: 7.15 min Scan# 860

Delta R.T. 0.01 min

Lab File: BF101948.D

Acq: 9 Jan 2018 13:03

Tgt Ion:105 Resp: 1020870

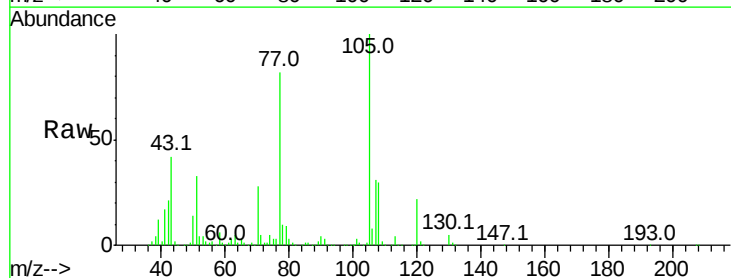
Ion Ratio Lower Upper

105 100

71 4.7 4.4 6.6

51 32.6 22.3 33.5

120 22.1 16.9 25.3

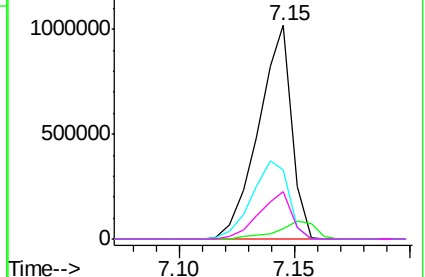
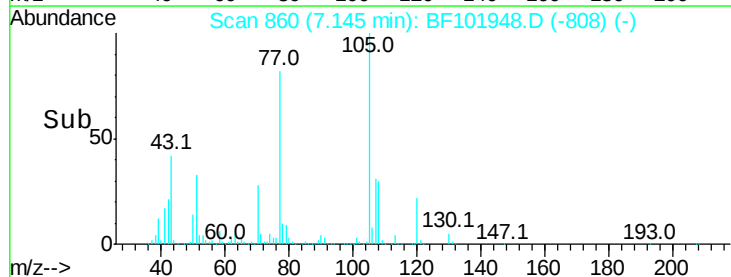


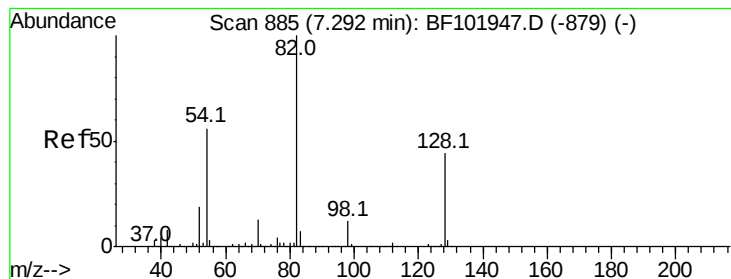
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 93.864 ng

RT: 7.30 min Scan# 886

Delta R.T. 0.01 min

Lab File: BF101948.D

Acq: 9 Jan 2018 13:03

Instrument :

BNA\_F

ClientSampleId :

SSTDIC050

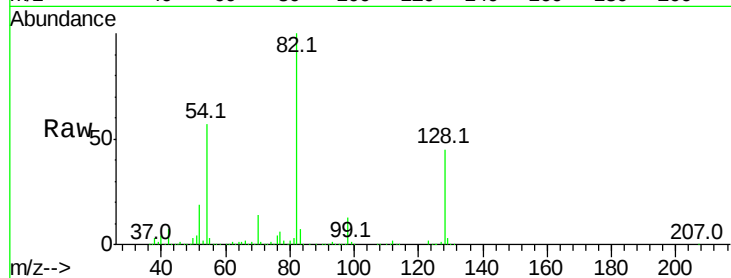
Tot Ion: 82 Resp: 1563076

Ion Ratio Lower Upper

82 100

128 45.5 36.1 54.1

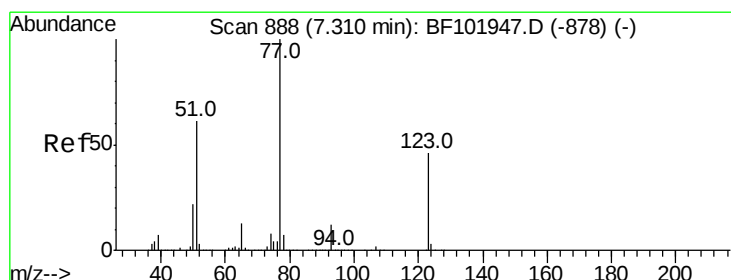
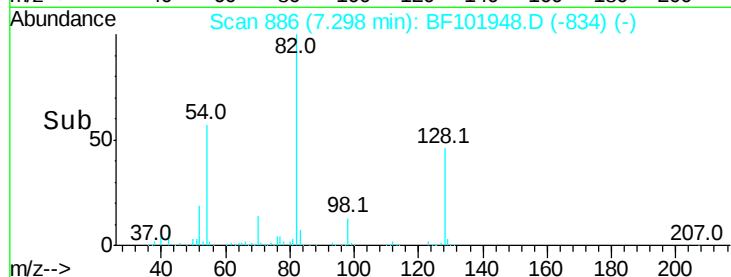
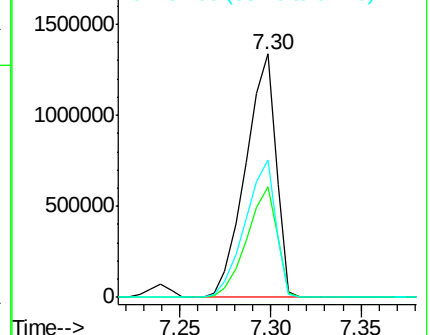
54 56.7 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#24

Nitrobenzene

Concen: 44.859 ng

RT: 7.32 min Scan# 889

Delta R.T. 0.01 min

Lab File: BF101948.D

Acq: 9 Jan 2018 13:03

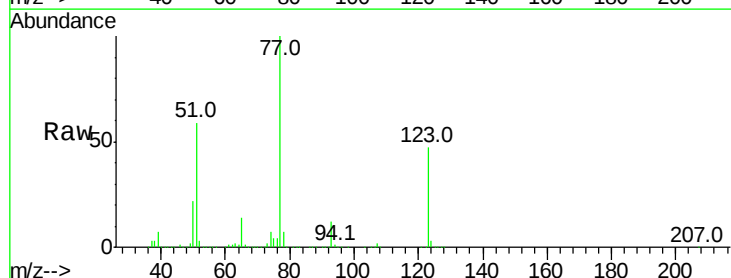
Tgt Ion: 77 Resp: 826756

Ion Ratio Lower Upper

77 100

123 47.1 37.9 56.9

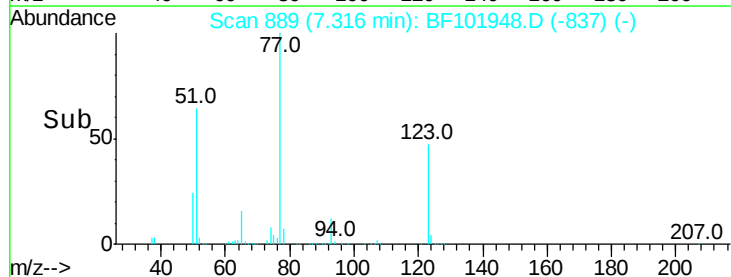
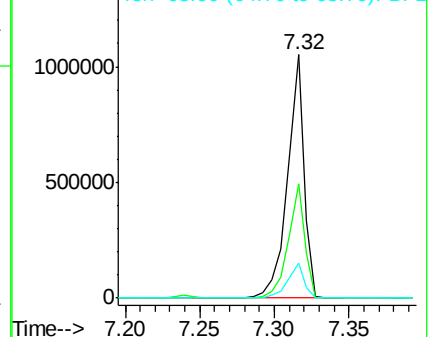
65 14.4 11.0 16.4

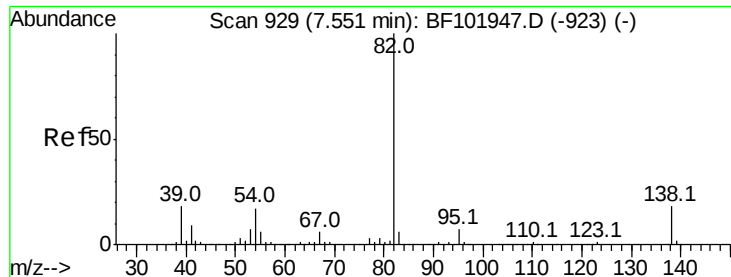


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 123.00 (122.70 to 123.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 44.629 ng

RT: 7.56 min Scan# 930

Delta R.T. 0.01 min

Lab File: BF101948.D

Acq: 9 Jan 2018 13:03

Instrument :

BNA\_F

ClientSampleId :

SSTDIC050

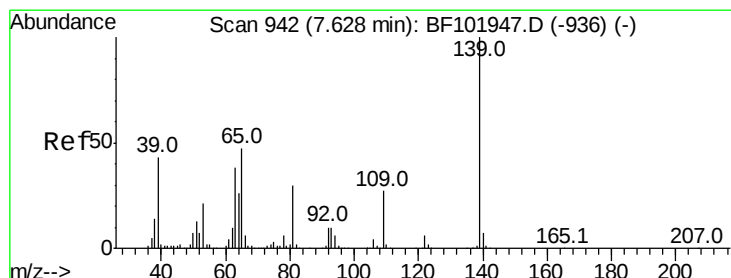
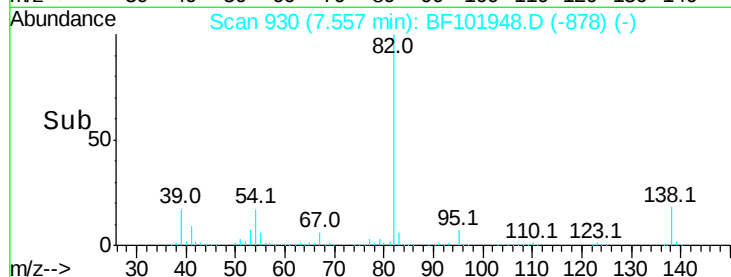
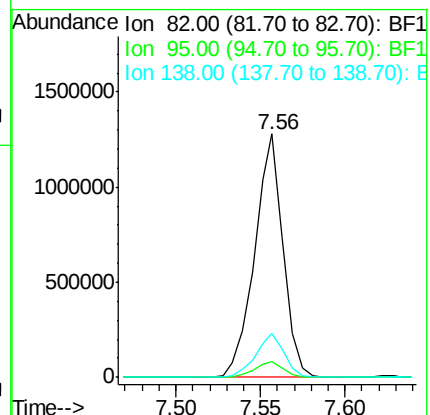
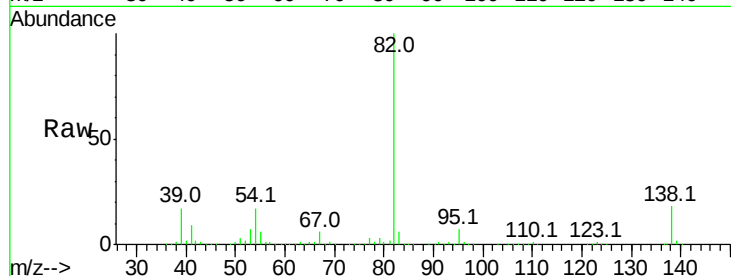
Tot Ion: 82 Resp: 1490879

Ion Ratio Lower Upper

82 100

95 6.7 5.2 7.8

138 18.2 14.9 22.3



#26

2-Nitrophenol

Concen: 48.424 ng

RT: 7.63 min Scan# 942

Delta R.T. -0.00 min

Lab File: BF101948.D

Acq: 9 Jan 2018 13:03

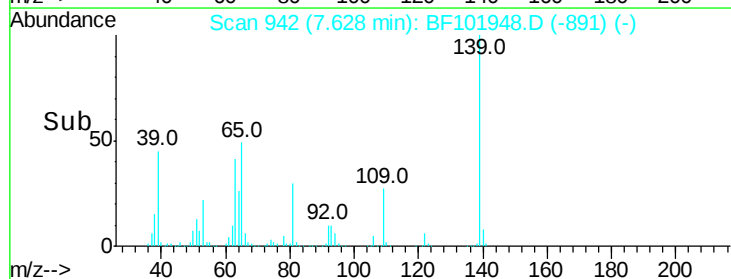
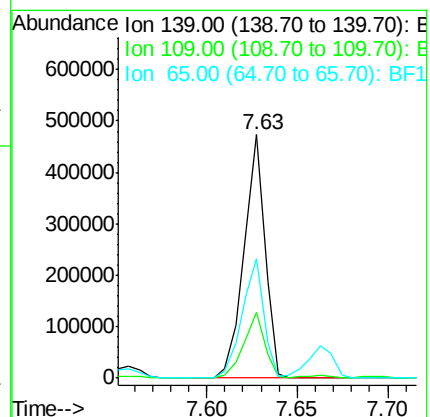
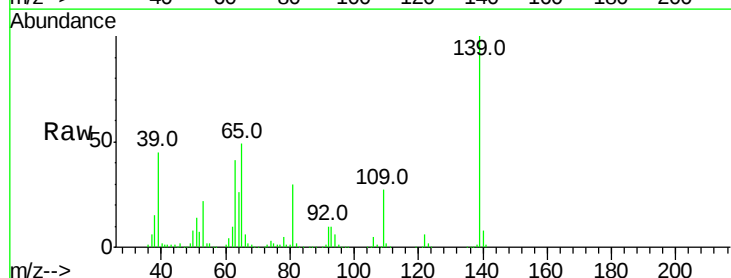
Tgt Ion: 139 Resp: 383417

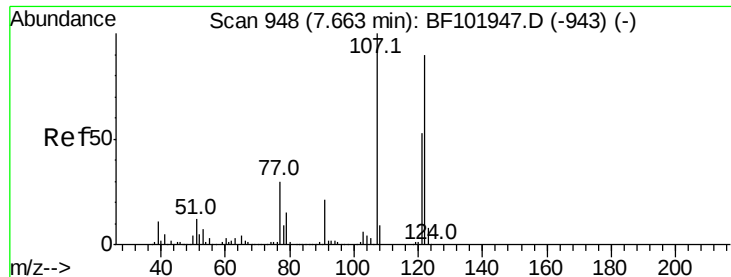
Ion Ratio Lower Upper

139 100

109 27.0 22.7 34.1

65 49.1 40.5 60.7

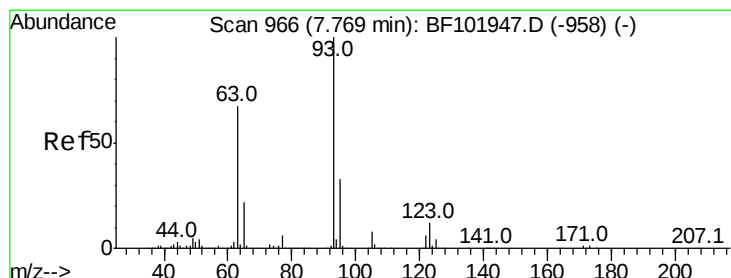
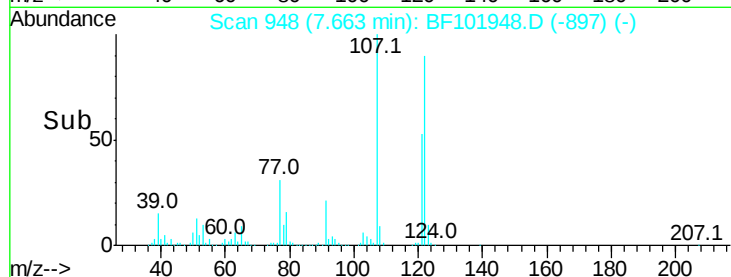
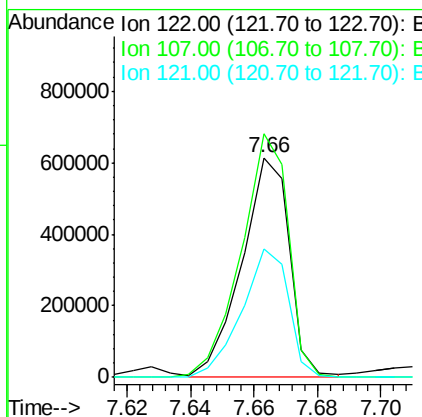
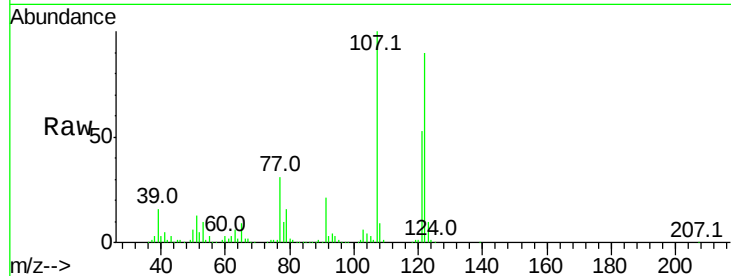




#27  
2,4-Dimethylphenol  
Concen: 47.562 ng  
RT: 7.66 min Scan# 948  
Delta R.T. -0.00 min  
Lab File: BF101948.D  
Acq: 9 Jan 2018 13:03

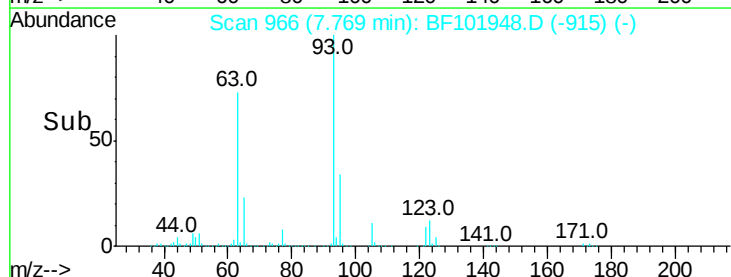
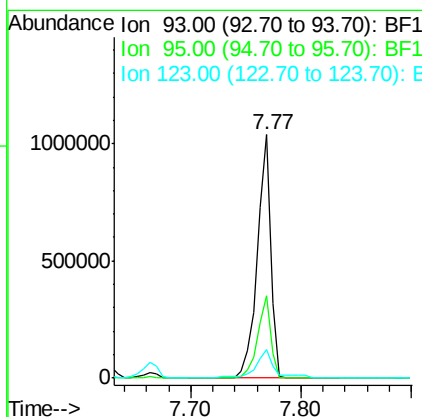
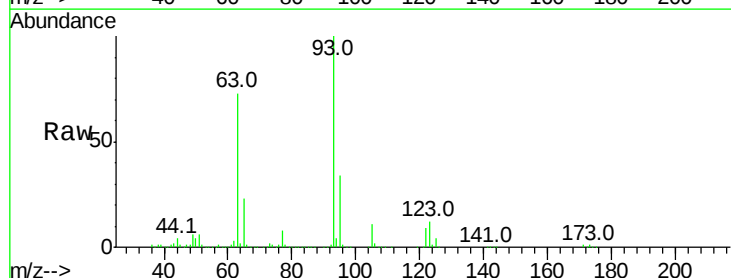
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDIC050

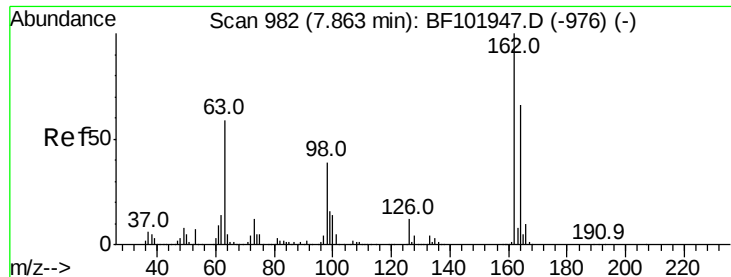
Tot Ion:122 Resp: 639775  
Ion Ratio Lower Upper  
122 100  
107 110.9 91.2 136.8  
121 58.3 47.2 70.8



#28  
bis(2-Chloroethoxy)methane  
Concen: 42.081 ng  
RT: 7.77 min Scan# 966  
Delta R.T. -0.00 min  
Lab File: BF101948.D  
Acq: 9 Jan 2018 13:03

Tgt Ion: 93 Resp: 892971  
Ion Ratio Lower Upper  
93 100  
95 33.6 26.3 39.5  
123 11.6 9.8 14.6

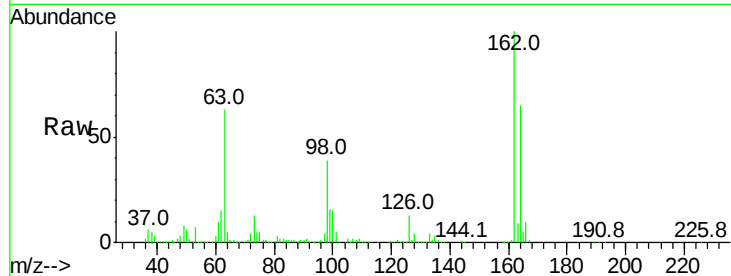




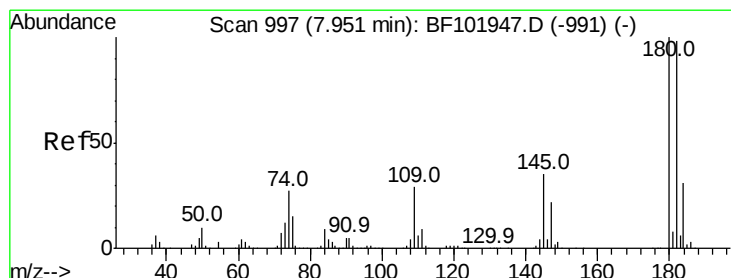
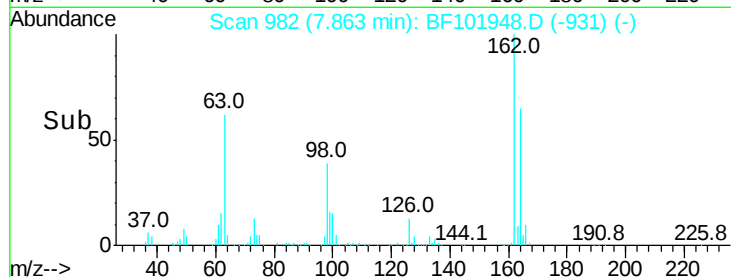
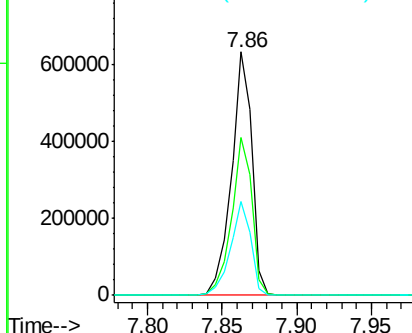
#29  
 2,4-Dichlorophenol  
 Concen: 46.035 ng  
 RT: 7.86 min Scan# 982  
 Delta R.T. -0.00 min  
 Lab File: BF101948.D  
 Acq: 9 Jan 2018 13:03

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC050

Tot Ion:162 Resp: 611778  
 Ion Ratio Lower Upper  
 162 100  
 164 64.8 42.7 82.7  
 98 38.7 18.1 58.1

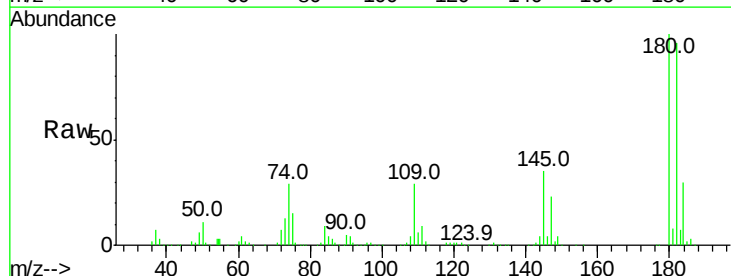


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 164.00 (163.70 to 164.70): E  
 Ion 98.00 (97.70 to 98.70): BF1

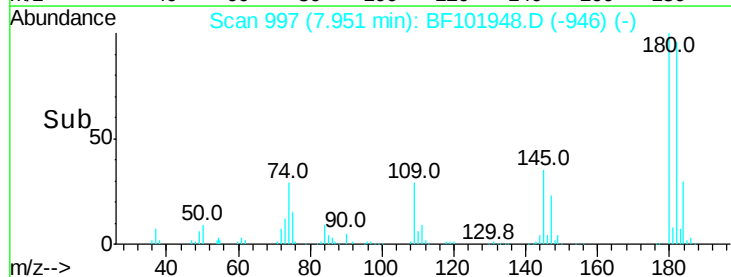
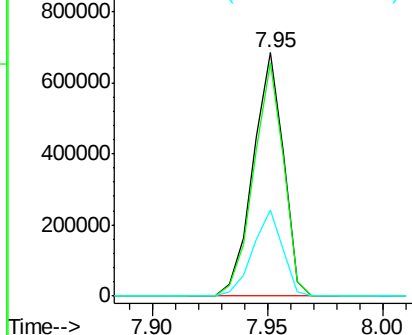


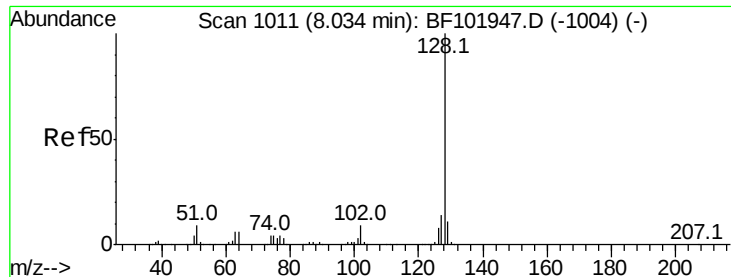
#30  
 1,2,4-Trichlorobenzene  
 Concen: 44.745 ng  
 RT: 7.95 min Scan# 997  
 Delta R.T. -0.00 min  
 Lab File: BF101948.D  
 Acq: 9 Jan 2018 13:03

Tgt Ion:180 Resp: 627516  
 Ion Ratio Lower Upper  
 180 100  
 182 95.7 76.8 115.2  
 145 35.4 26.5 39.7



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

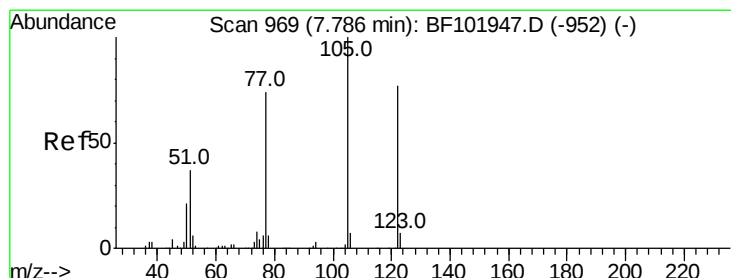
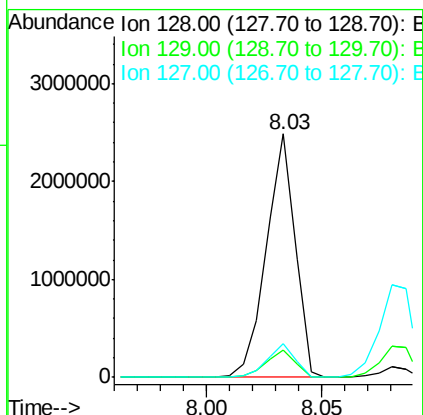
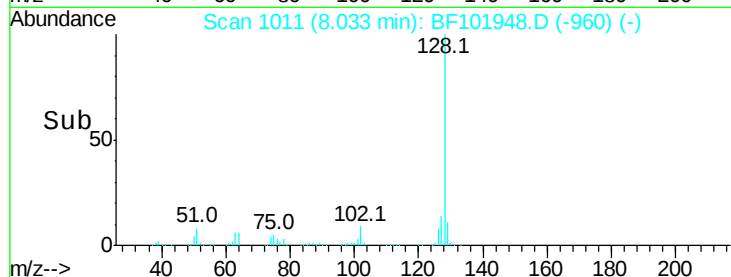
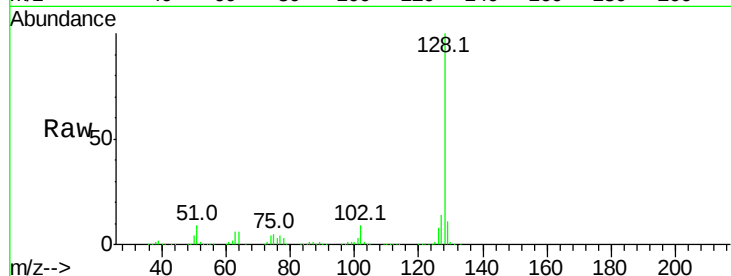




#31  
Naphthalene  
Concen: 46.301 ng  
RT: 8.03 min Scan# 1011  
Delta R.T. -0.00 min  
Lab File: BF101948.D  
Acq: 9 Jan 2018 13:03

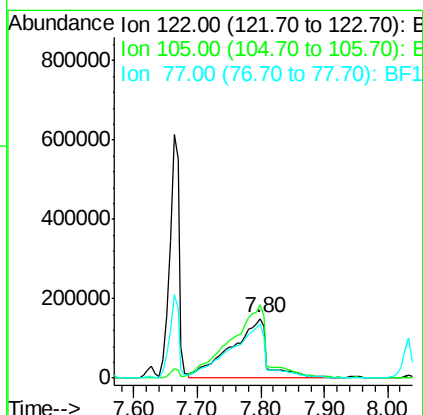
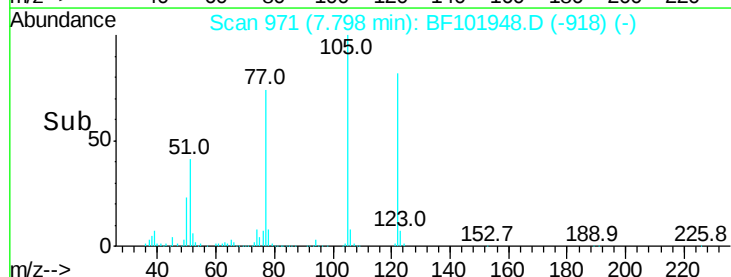
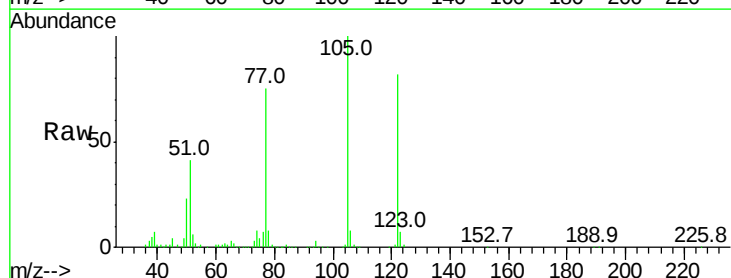
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDIC050

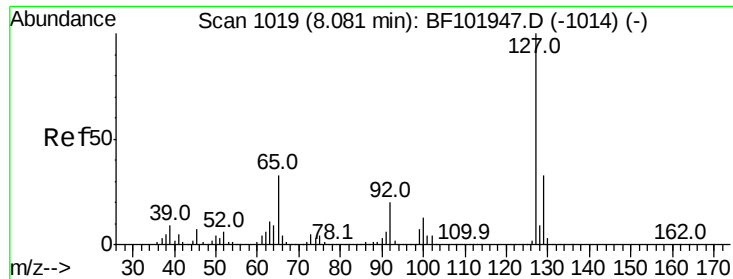
Tot Ion:128 Resp: 2160750  
Ion Ratio Lower Upper  
128 100  
129 11.2 8.8 13.2  
127 13.7 10.9 16.3



#32  
Benzoic acid  
Concen: 73.175 ng  
RT: 7.80 min Scan# 971  
Delta R.T. 0.01 min  
Lab File: BF101948.D  
Acq: 9 Jan 2018 13:03

Tgt Ion:122 Resp: 587005  
Ion Ratio Lower Upper  
122 100  
105 122.7 101.1 141.1  
77 91.6 70.7 110.7

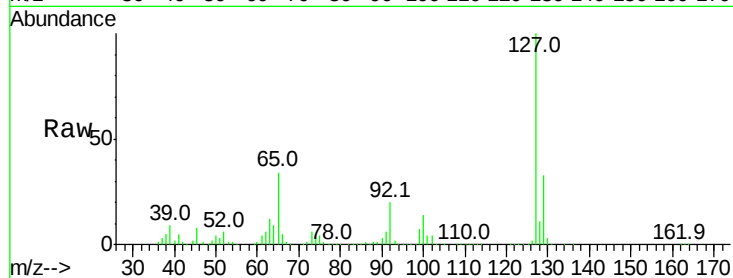




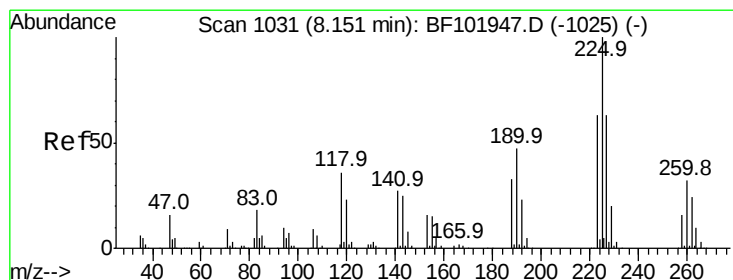
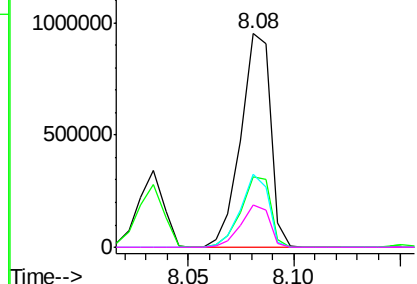
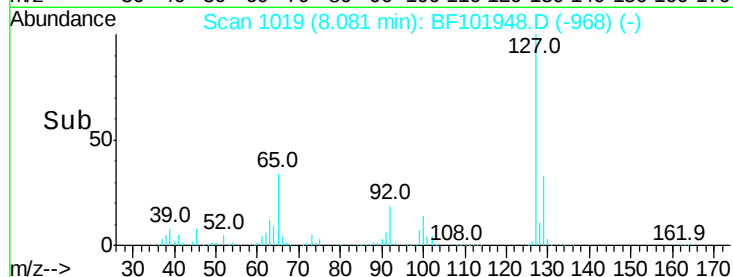
#33  
4-Chloroaniline  
Concen: 45.772 ng  
RT: 8.08 min Scan# 1019  
Delta R.T. -0.00 min  
Lab File: BF101948.D  
Acq: 9 Jan 2018 13:03

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDIC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 127   | Resp: | 928414 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 32.8  | 25.9  | 38.9   |
| 65       | 34.2  | 25.0  | 37.4   |
| 92       | 19.6  | 15.2  | 22.8   |

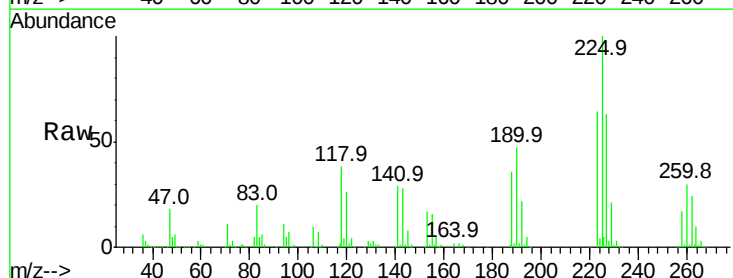


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 92.00 (91.70 to 92.70): BF1

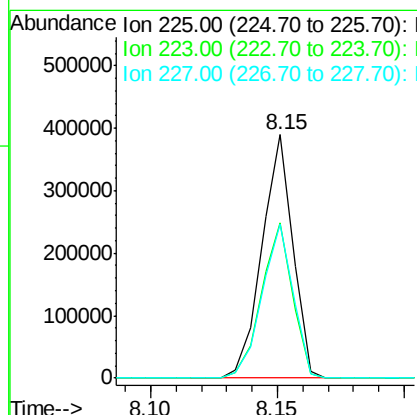
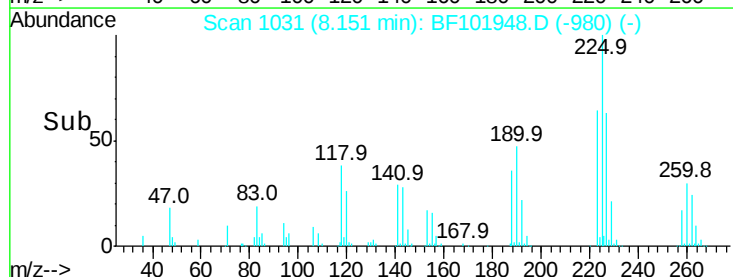


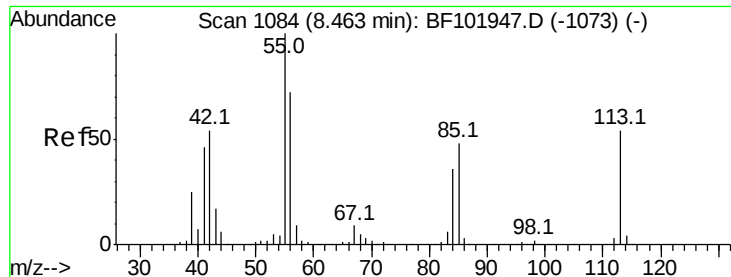
#34  
Hexachlorobutadiene  
Concen: 40.601 ng  
RT: 8.15 min Scan# 1031  
Delta R.T. -0.00 min  
Lab File: BF101948.D  
Acq: 9 Jan 2018 13:03

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 329328 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 63.7  | 50.6  | 76.0   |
| 227      | 63.4  | 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

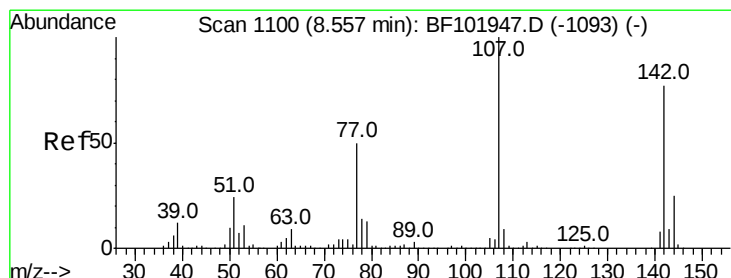
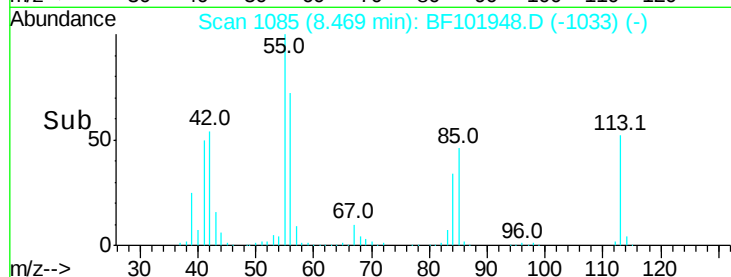
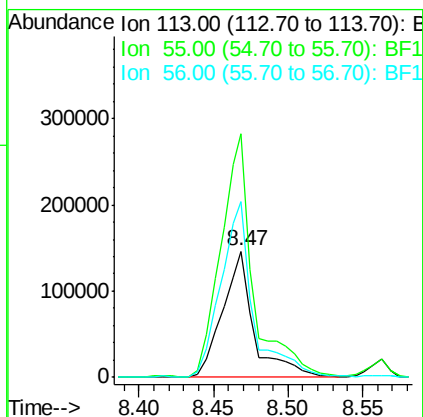
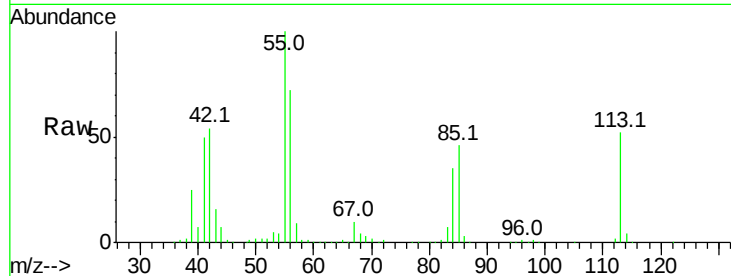




#35  
 Caprolactam  
 Concen: 46.839 ng  
 RT: 8.47 min Scan# 1085  
 Delta R.T. 0.01 min  
 Lab File: BF101948.D  
 Acq: 9 Jan 2018 13:03

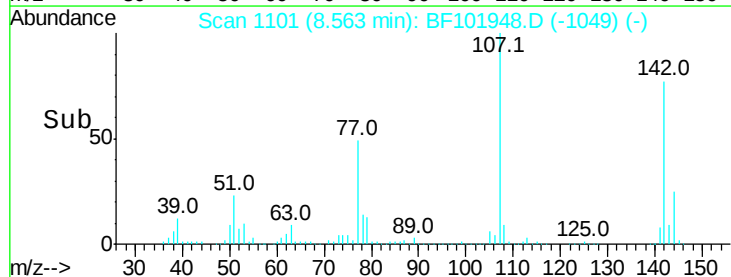
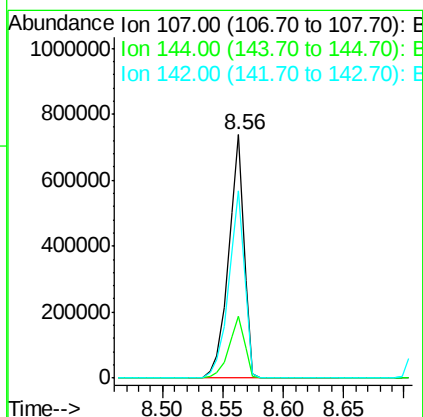
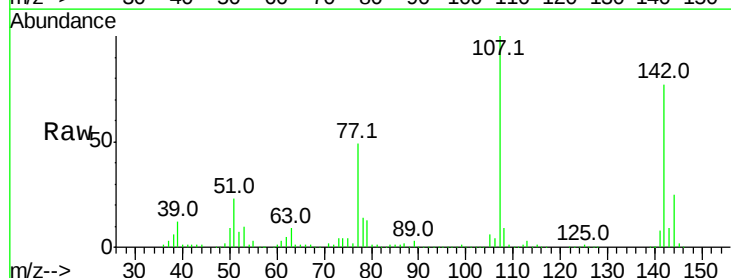
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC050

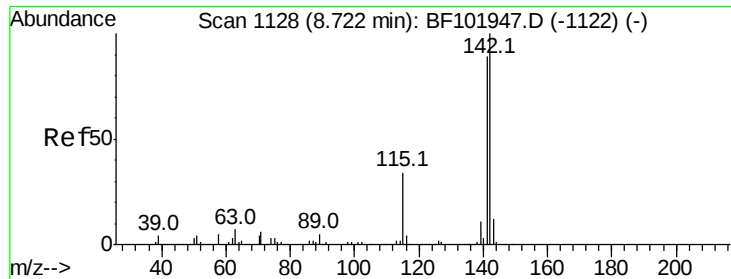
Tot Ion:113 Resp: 216138  
 Ion Ratio Lower Upper  
 113 100  
 55 193.2 163.3 203.3  
 56 139.1 115.7 155.7



#36  
 4-Chloro-3-methylphenol  
 Concen: 45.085 ng  
 RT: 8.56 min Scan# 1101  
 Delta R.T. 0.01 min  
 Lab File: BF101948.D  
 Acq: 9 Jan 2018 13:03

Tgt Ion:107 Resp: 658531  
 Ion Ratio Lower Upper  
 107 100  
 144 25.3 20.5 30.7  
 142 77.2 62.0 93.0

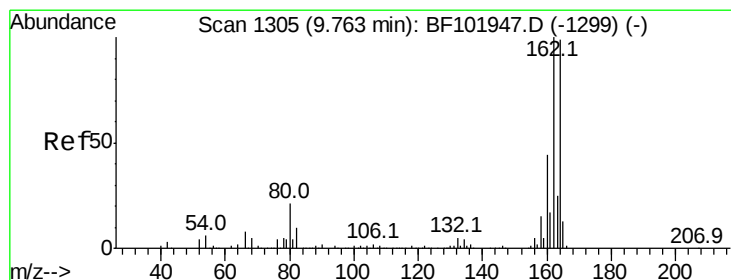
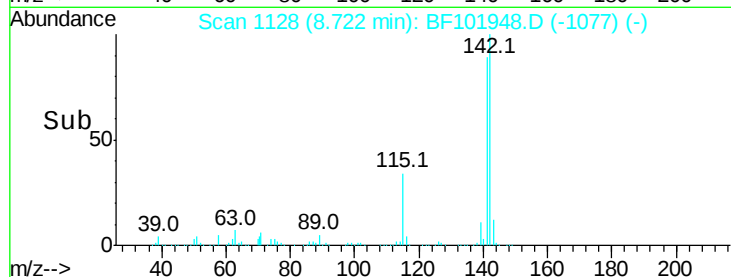
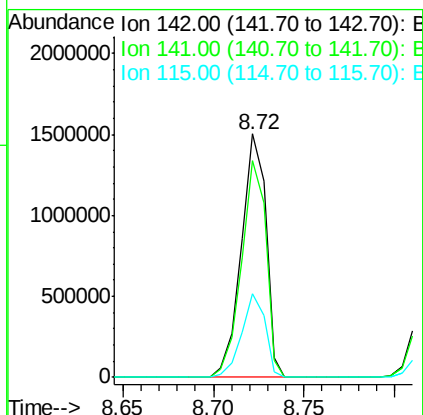
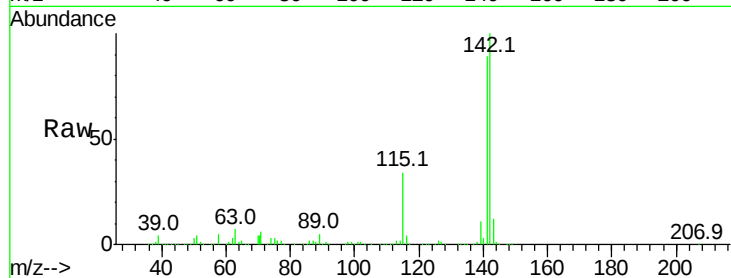




#37  
2-Methylnaphthalene  
Concen: 46.730 ng  
RT: 8.72 min Scan# 1128  
Delta R.T. -0.00 min  
Lab File: BF101948.D  
Acq: 9 Jan 2018 13:03

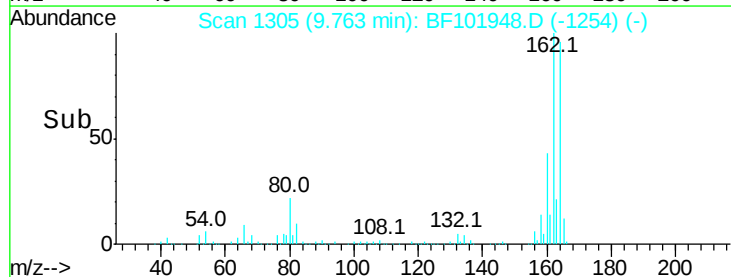
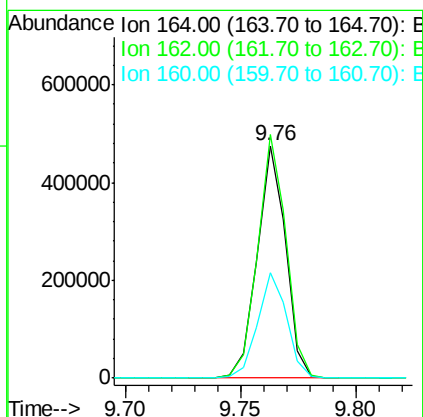
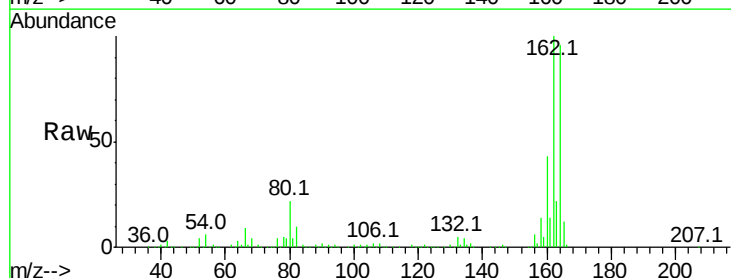
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDIC050

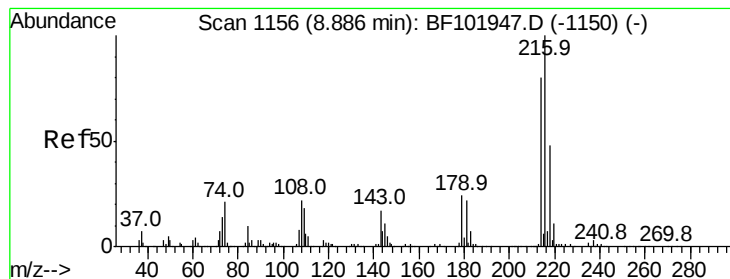
Tot Ion:142 Resp: 1420798  
Ion Ratio Lower Upper  
142 100  
141 89.1 70.8 106.2  
115 34.3 26.1 39.1



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.76 min Scan# 1305  
Delta R.T. -0.00 min  
Lab File: BF101948.D  
Acq: 9 Jan 2018 13:03

Tgt Ion:164 Resp: 407229  
Ion Ratio Lower Upper  
164 100  
162 104.6 86.1 129.1  
160 45.5 38.3 57.5





#39

1,2,4,5-Tetrachlorobenzene

Concen: 39.048 ng

RT: 8.89 min Scan# 1156

Delta R.T. -0.00 min

Lab File: BF101948.D

Acq: 9 Jan 2018 13:03

Instrument :

BNA\_F

ClientSampleId :

SSTDIC050

Tot Ion:216 Resp: 536881

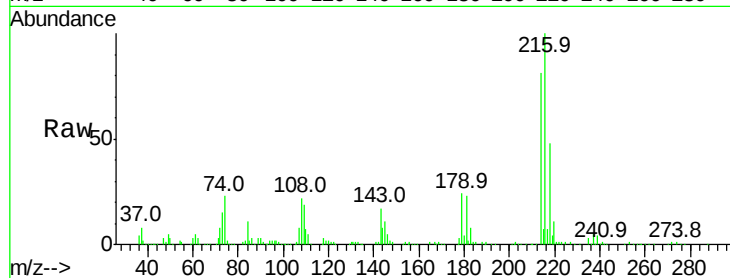
Ion Ratio Lower Upper

216 100

214 79.6 63.0 94.4

179 23.1 18.1 27.1

108 23.4 17.2 25.8

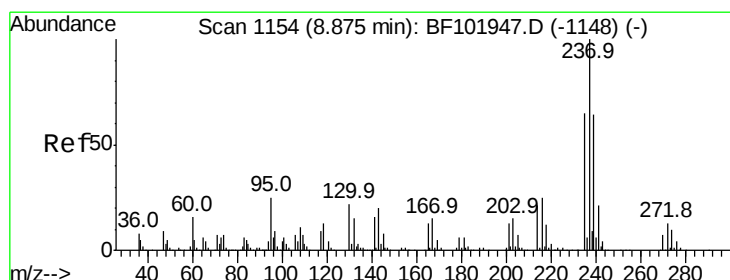
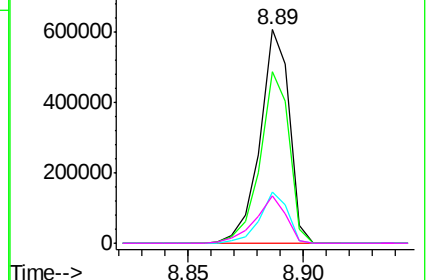
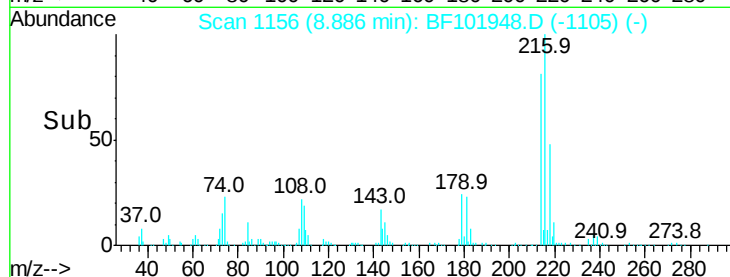


Abundance Ion 216.00 (215.70 to 216.70): E

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: 178.108 ng

RT: 8.87 min Scan# 1154

Delta R.T. -0.00 min

Lab File: BF101948.D

Acq: 9 Jan 2018 13:03

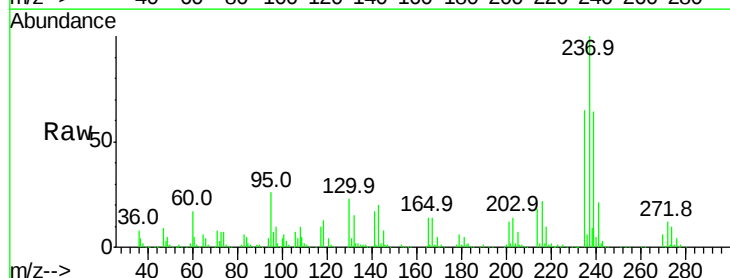
Tgt Ion:237 Resp: 320297

Ion Ratio Lower Upper

237 100

235 64.8 44.8 84.8

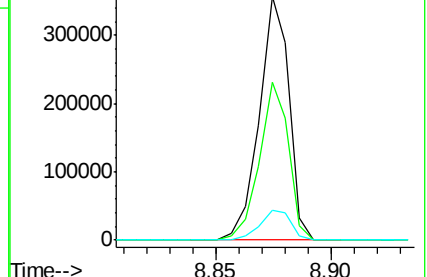
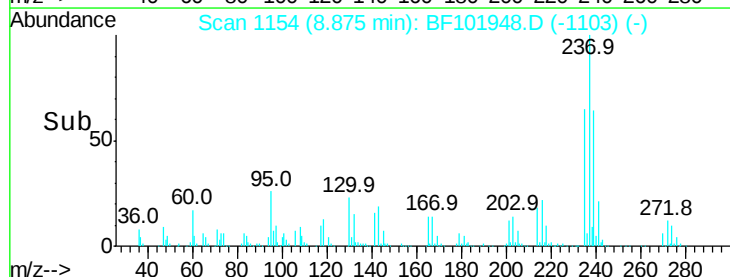
272 12.3 0.0 33.3

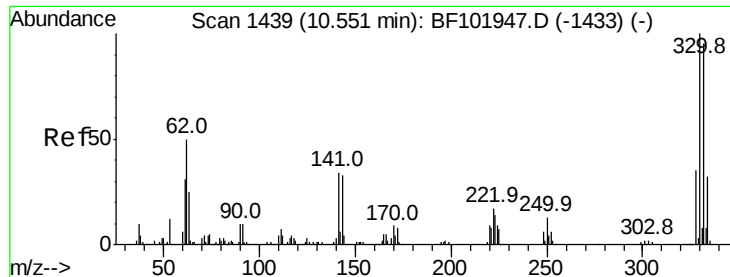


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

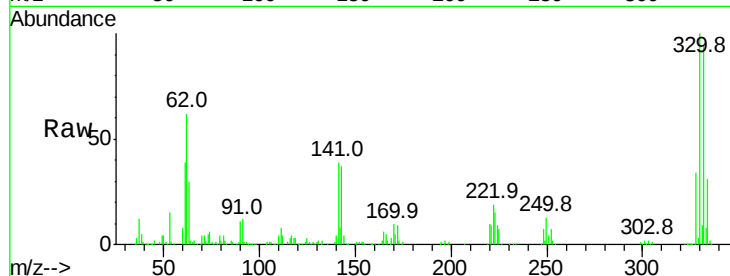




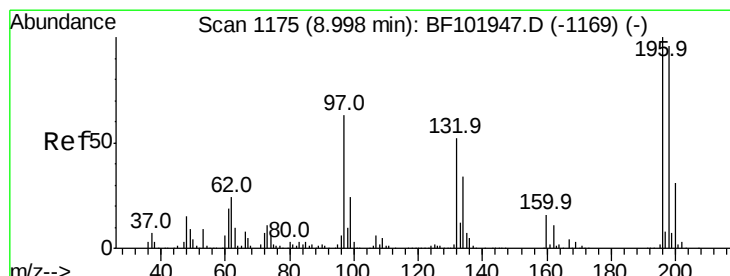
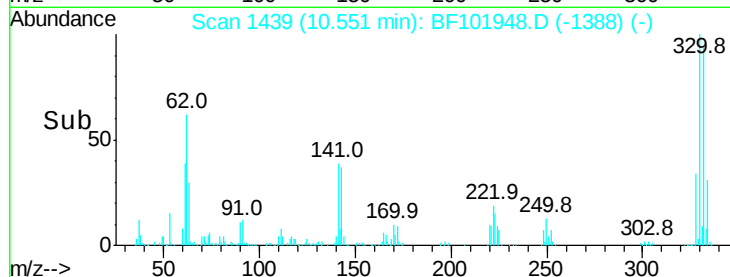
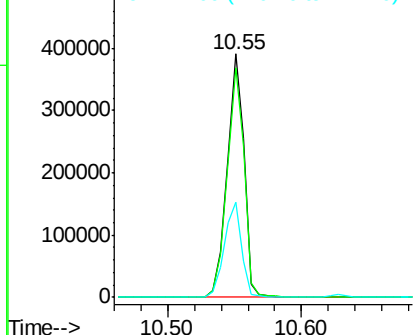
#41  
 2,4,6-Tribromophenol  
 Concen: 89.188 ng  
 RT: 10.55 min Scan# 1439  
 Delta R.T. -0.00 min  
 Lab File: BF101948.D  
 Acq: 9 Jan 2018 13:03

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.6  | 77.0  | 115.6 |
| 141     | 40.2  | 29.9  | 44.9  |

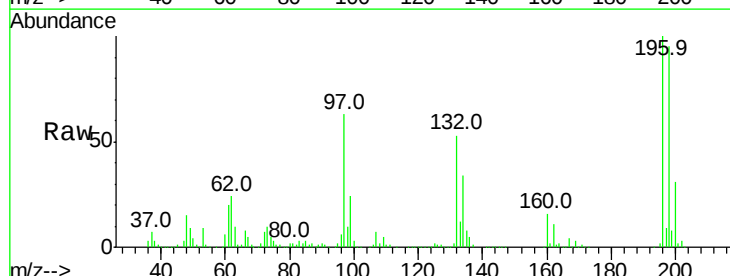


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

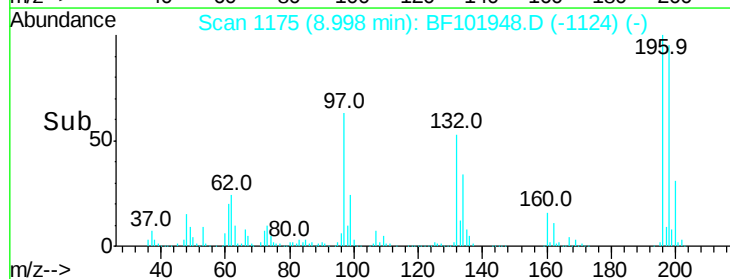
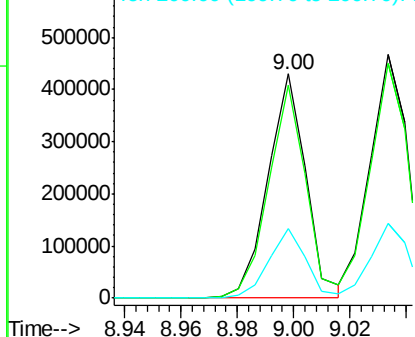


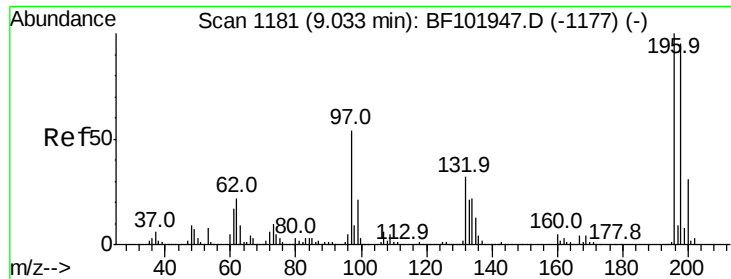
#42  
 2,4,6-Trichlorophenol  
 Concen: 48.452 ng  
 RT: 9.00 min Scan# 1175  
 Delta R.T. -0.00 min  
 Lab File: BF101948.D  
 Acq: 9 Jan 2018 13:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 95.2  | 75.7  | 113.5 |
| 200     | 31.1  | 24.5  | 36.7  |



Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 200.00 (199.70 to 200.70): E

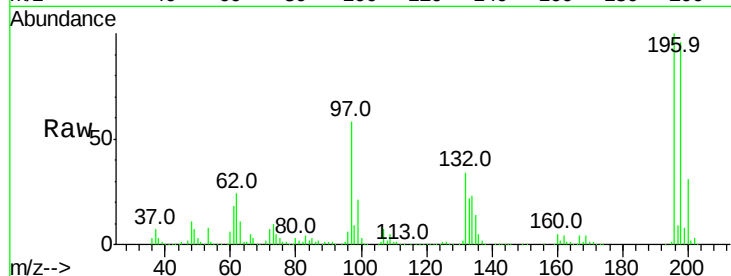




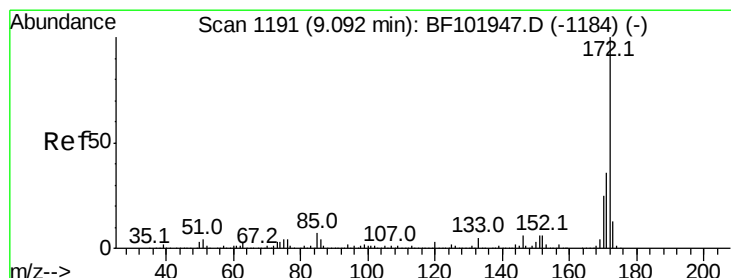
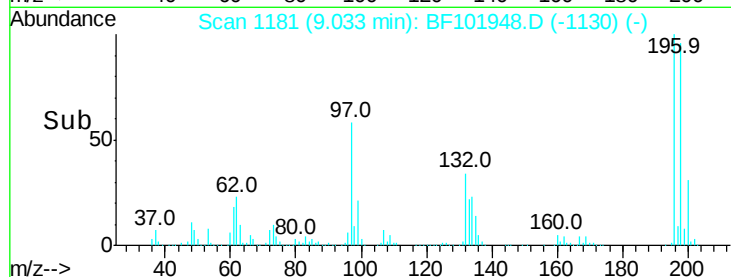
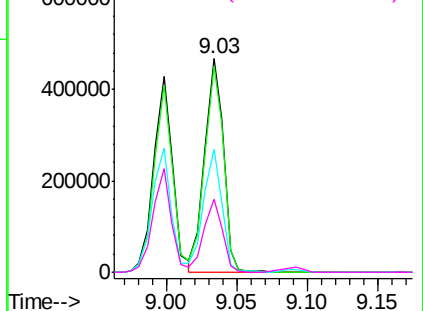
#43  
 2,4,5-Trichlorophenol  
 Concen: 47.744 ng  
 RT: 9.03 min Scan# 1181  
 Delta R.T. -0.00 min  
 Lab File: BF101948.D  
 Acq: 9 Jan 2018 13:03

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC050

Tot Ion:196 Resp: 432713  
 Ion Ratio Lower Upper  
 196 100  
 198 96.2 74.6 112.0  
 97 57.6 42.9 64.3  
 132 34.0 26.3 39.5

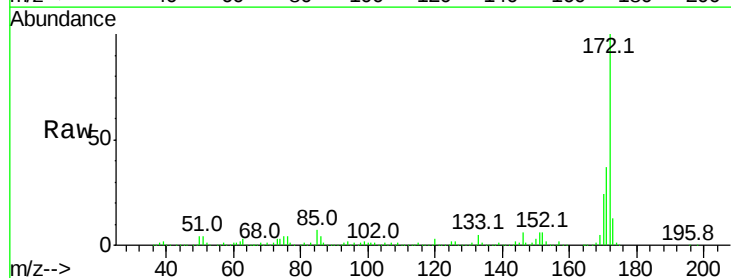


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BF1  
 Ion 132.00 (131.70 to 132.70): E

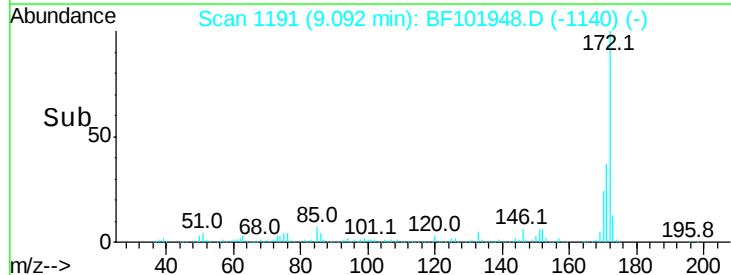
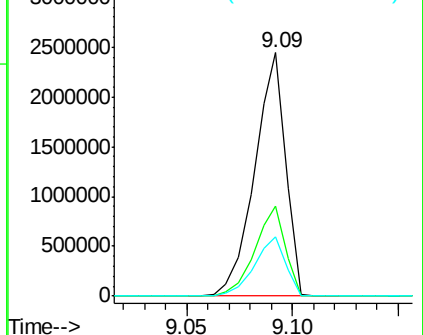


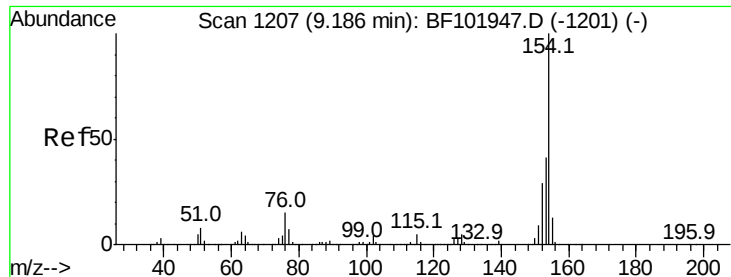
#44  
 2-Fluorobiphenyl  
 Concen: 94.406 ng  
 RT: 9.09 min Scan# 1191  
 Delta R.T. -0.00 min  
 Lab File: BF101948.D  
 Acq: 9 Jan 2018 13:03

Tgt Ion:172 Resp: 2478341  
 Ion Ratio Lower Upper  
 172 100  
 171 36.8 29.7 44.5  
 170 24.4 19.6 29.4



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



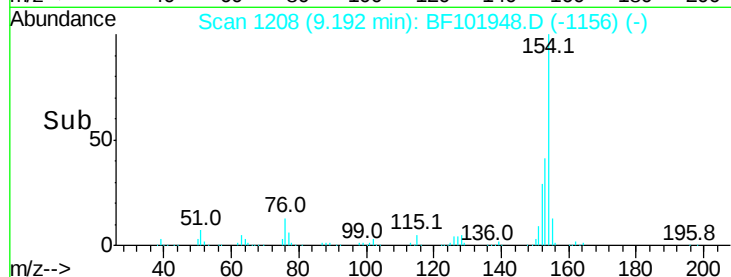
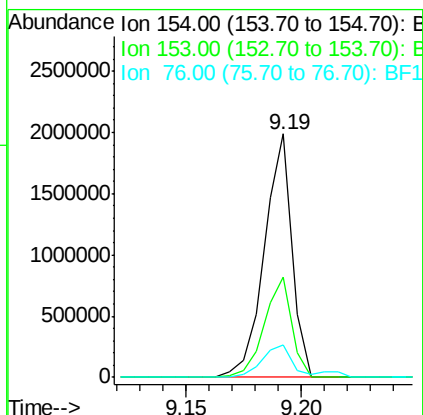
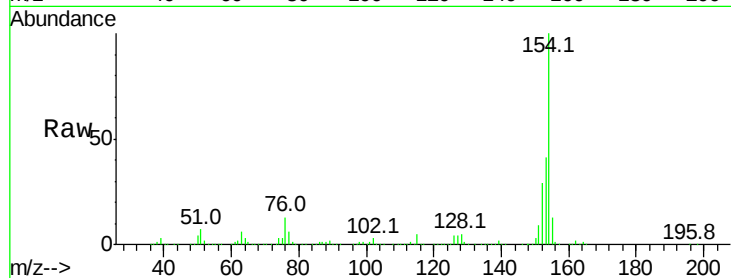


#45  
 1,1'-Biphenyl  
 Concen: 45.652 ng  
 RT: 9.19 min Scan# 1208  
 Delta R.T. 0.01 min  
 Lab File: BF101948.D  
 Acq: 9 Jan 2018 13:03

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC050

Tot Ion:154 Resp: 1648737  

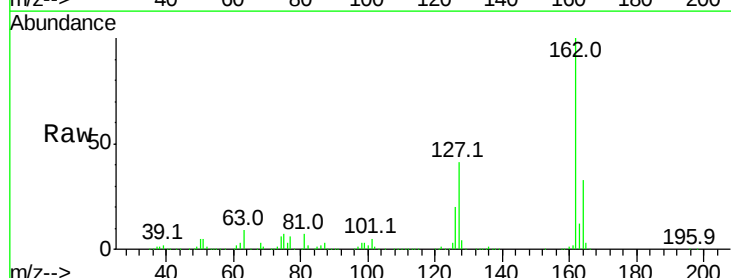
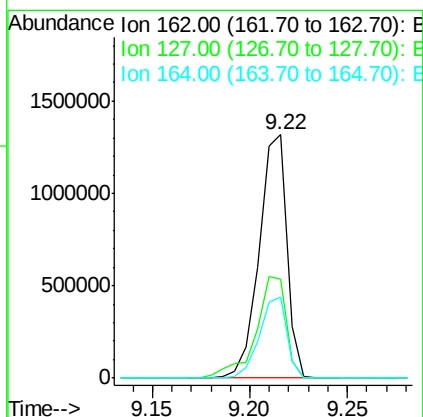
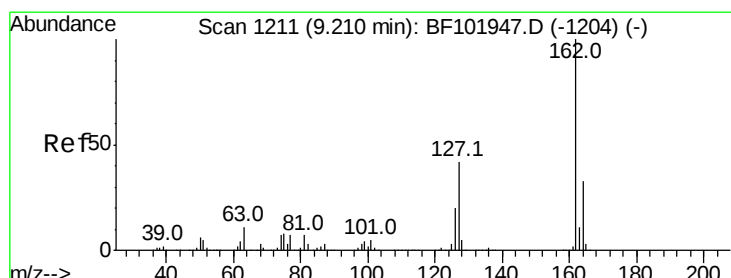
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 154 | 100   |       |       |
| 153 | 41.0  | 21.3  | 61.3  |
| 76  | 13.2  | 0.0   | 34.0  |

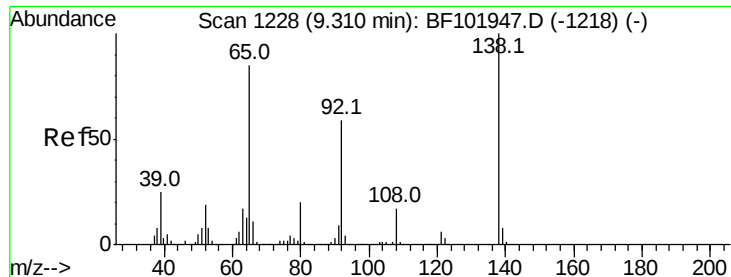


#46  
 2-Chloronaphthalene  
 Concen: 46.893 ng  
 RT: 9.22 min Scan# 1212  
 Delta R.T. 0.01 min  
 Lab File: BF101948.D  
 Acq: 9 Jan 2018 13:03

Tgt Ion:162 Resp: 1295825  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 162 | 100   |       |       |
| 127 | 40.7  | 33.9  | 50.9  |
| 164 | 33.5  | 26.5  | 39.7  |





#47

2-Nitroaniline

Concen: 46.569 ng

RT: 9.31 min Scan# 1228

Delta R.T. -0.00 min

Lab File: BF101948.D

Acq: 9 Jan 2018 13:03

Instrument :

BNA\_F

ClientSampleId :

SSTDIC050

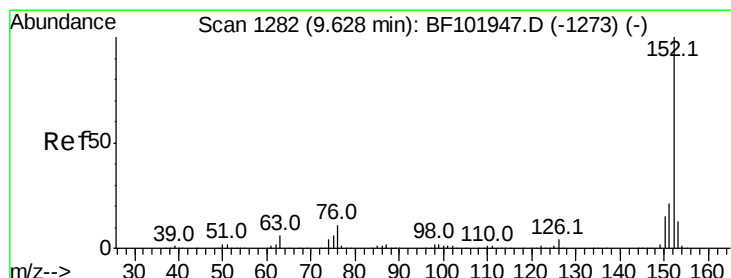
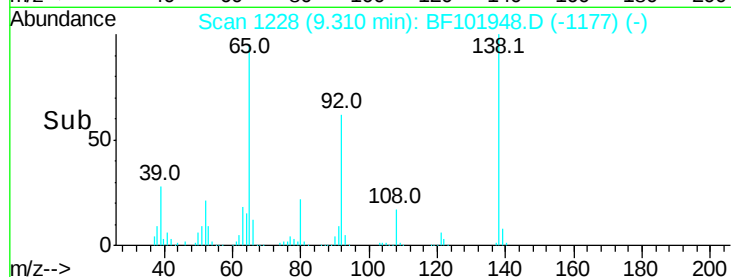
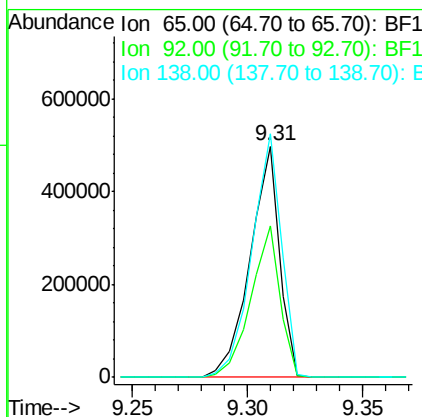
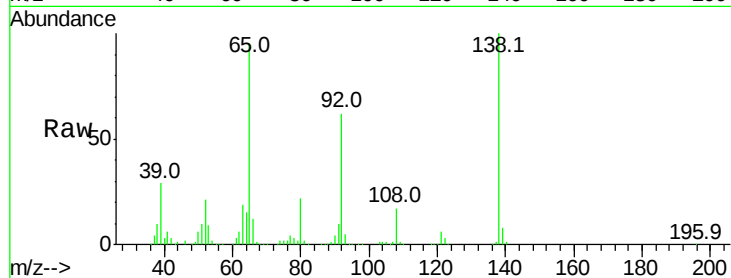
Tot Ion: 65 Resp: 444553

Ion Ratio Lower Upper

65 100

92 65.9 55.8 83.6

138 105.5 91.2 136.8



#48

Acenaphthylene

Concen: 47.564 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.00 min

Lab File: BF101948.D

Acq: 9 Jan 2018 13:03

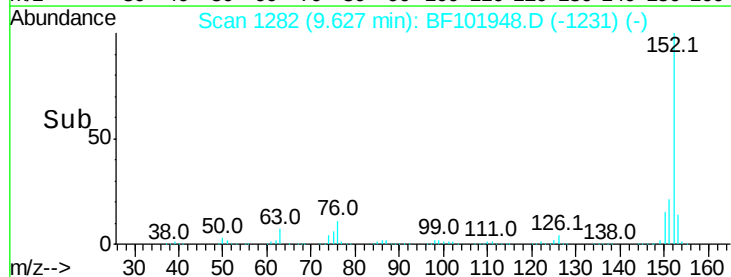
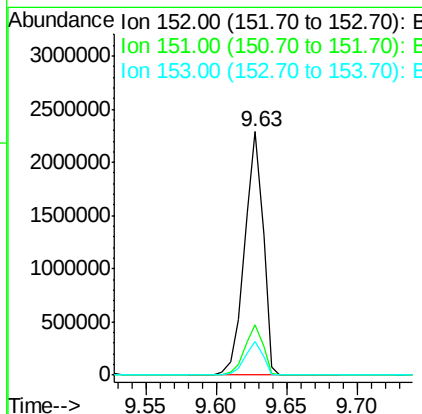
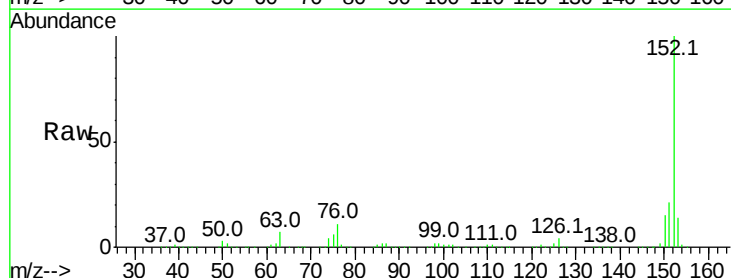
Tgt Ion: 152 Resp: 2076015

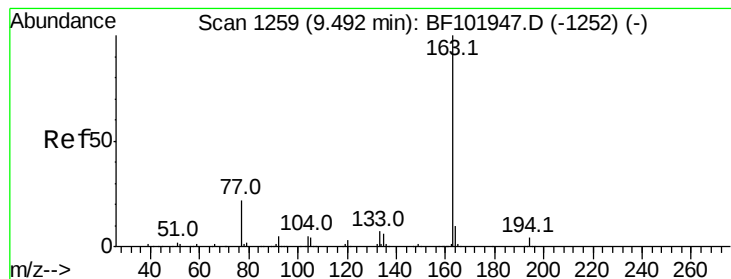
Ion Ratio Lower Upper

152 100

151 20.8 16.3 24.5

153 13.7 10.7 16.1





#49

Dimethylphthalate

Concen: 46.939 ng

RT: 9.50 min Scan# 1260

Delta R.T. 0.01 min

Lab File: BF101948.D

Acq: 9 Jan 2018 13:03

Instrument :

BNA\_F

ClientSampleId :

SSTDIC050

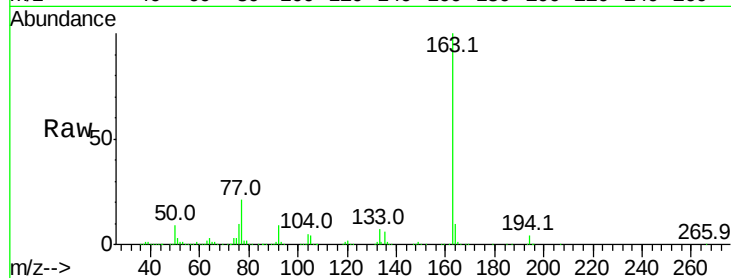
Tot Ion:163 Resp: 1537544

Ion Ratio Lower Upper

163 100

194 3.6 2.7 4.1

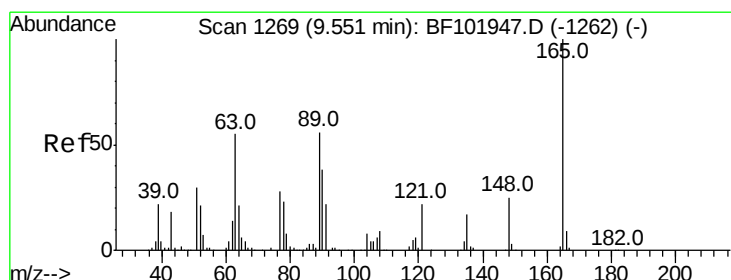
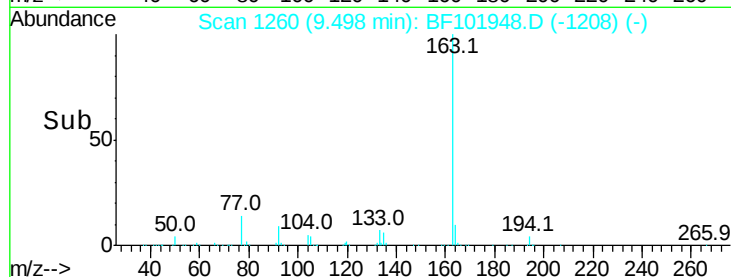
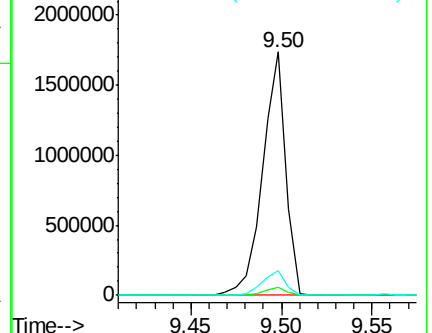
164 10.3 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 51.278 ng

RT: 9.56 min Scan# 1270

Delta R.T. 0.01 min

Lab File: BF101948.D

Acq: 9 Jan 2018 13:03

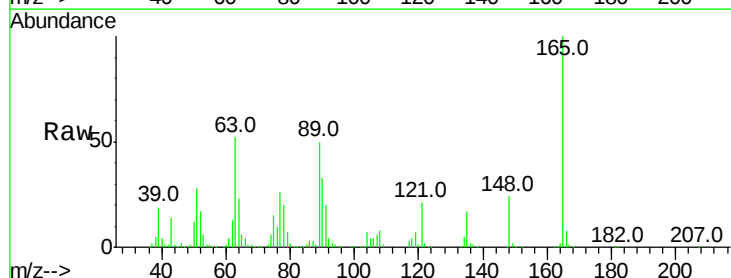
Tgt Ion:165 Resp: 341382

Ion Ratio Lower Upper

165 100

63 52.3 44.7 67.1

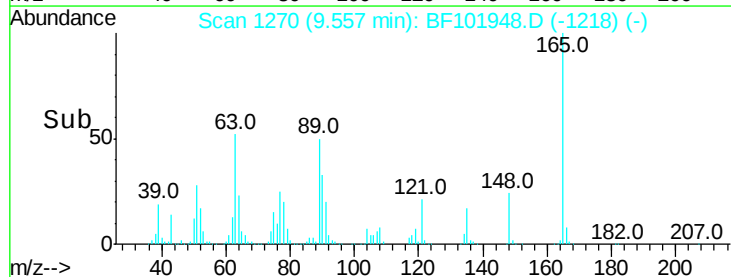
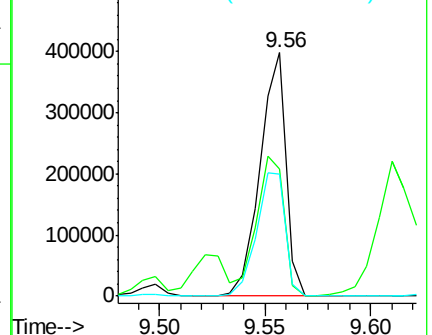
89 50.3 44.0 66.0

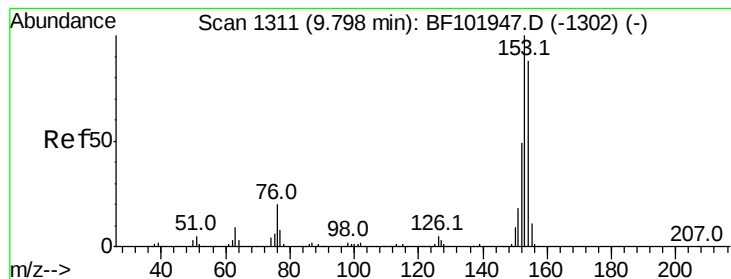


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#51

Acenaphthene

Concen: 48.572 ng

RT: 9.80 min Scan# 1311

Delta R.T. -0.00 min

Lab File: BF101948.D

Acq: 9 Jan 2018 13:03

Instrument :

BNA\_F

ClientSampleId :

SSTDIC050

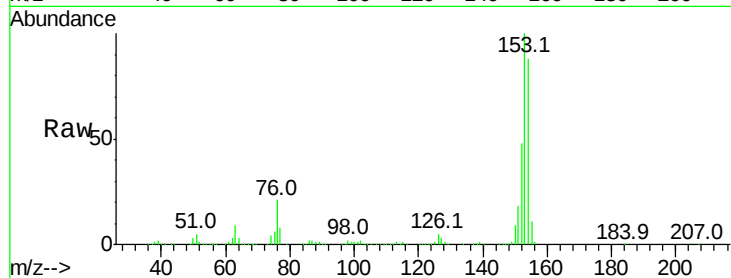
Tot Ion:154 Resp: 1273690

Ion Ratio Lower Upper

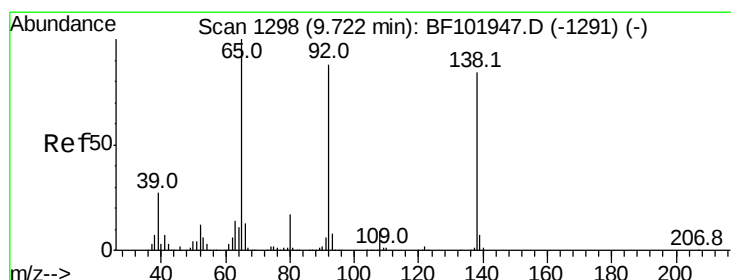
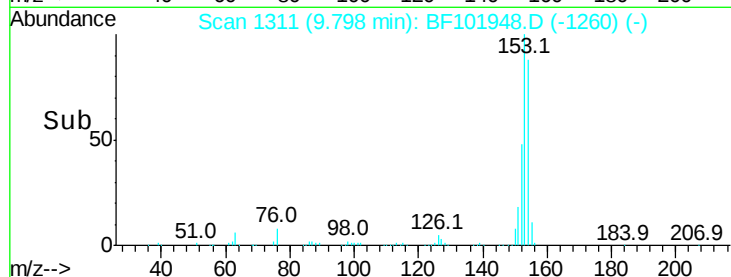
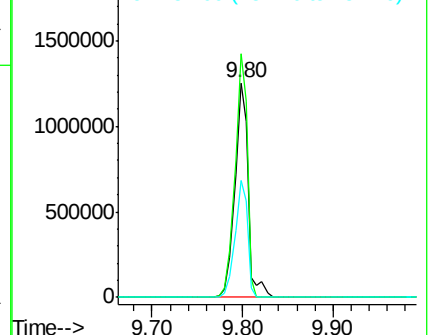
154 100

153 113.5 91.2 136.8

152 54.4 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: 51.587 ng

RT: 9.72 min Scan# 1298

Delta R.T. -0.00 min

Lab File: BF101948.D

Acq: 9 Jan 2018 13:03

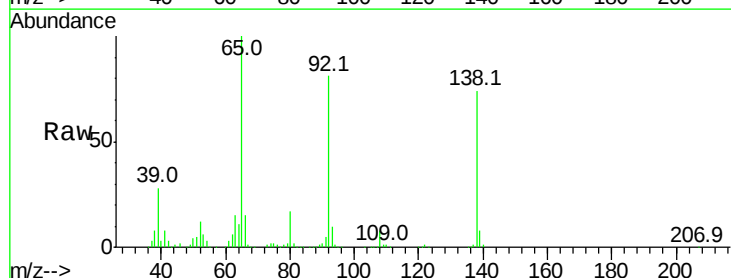
Tgt Ion:138 Resp: 428178

Ion Ratio Lower Upper

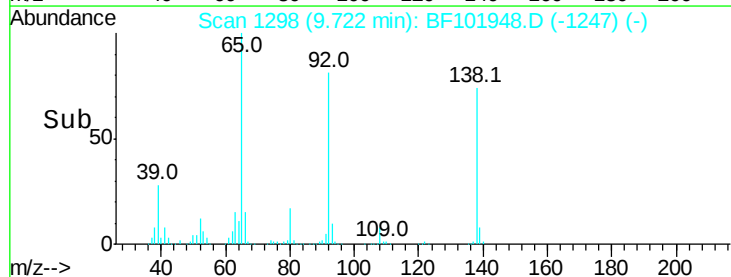
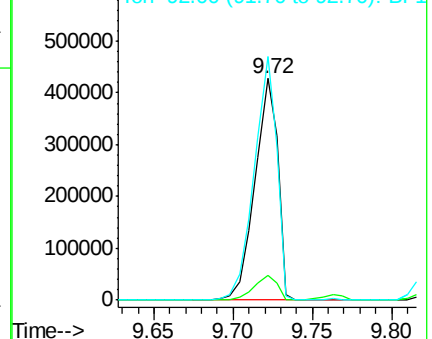
138 100

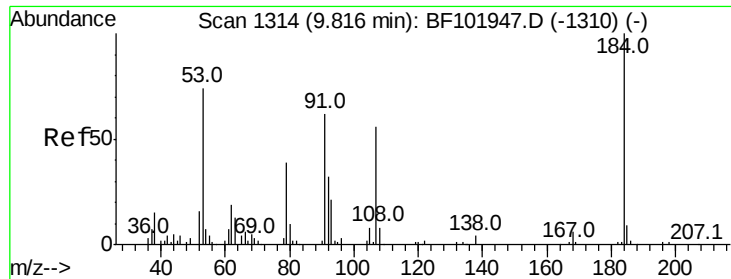
108 11.0 9.4 14.0

92 110.0 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

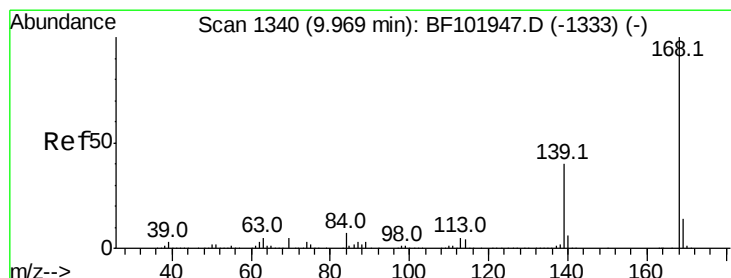
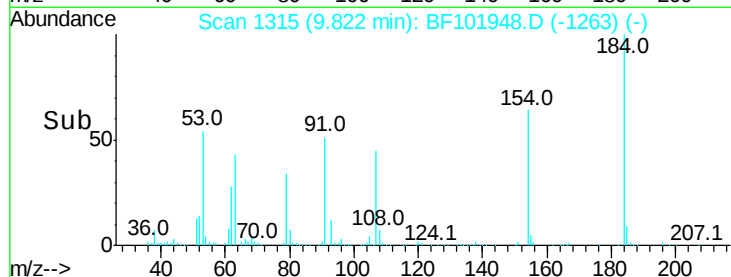
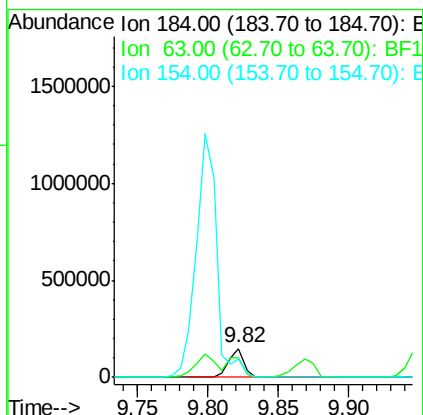
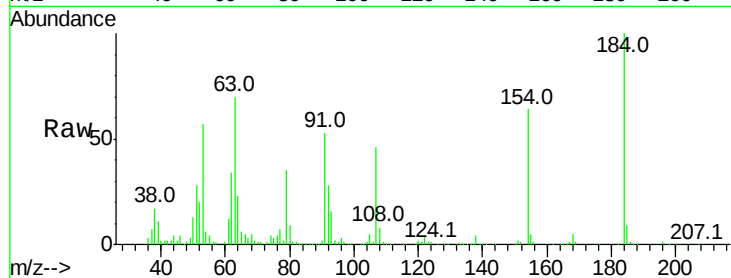




#53  
2,4-Dinitrophenol  
Concen: 64.360 ng  
RT: 9.82 min Scan# 1315  
Delta R.T. 0.01 min  
Lab File: BF101948.D  
Acq: 9 Jan 2018 13:03

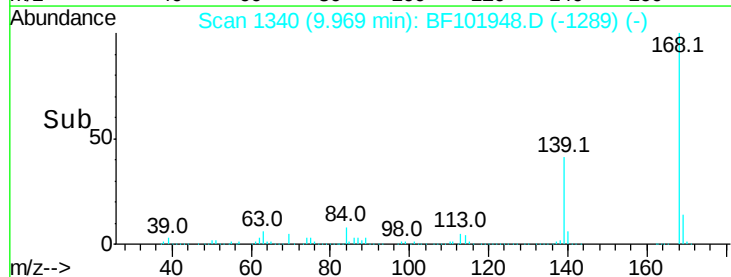
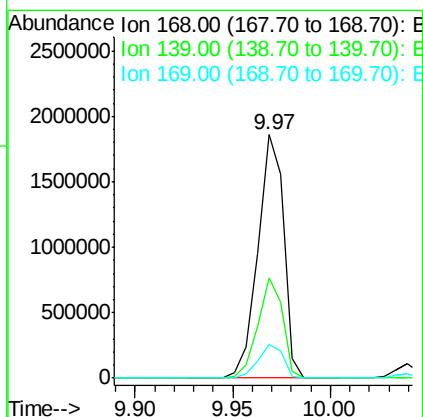
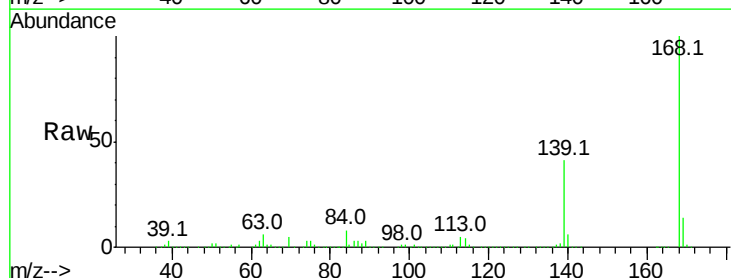
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDIC050

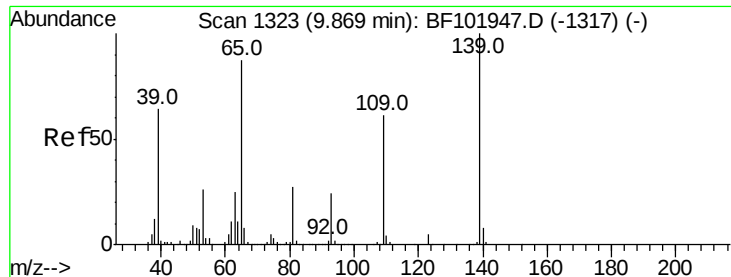
Tot Ion:184 Resp: 114391  
Ion Ratio Lower Upper  
184 100  
63 70.0 54.2 81.2  
154 64.3 184.0 276.0#



#54  
Dibenzofuran  
Concen: 50.982 ng  
RT: 9.97 min Scan# 1340  
Delta R.T. -0.00 min  
Lab File: BF101948.D  
Acq: 9 Jan 2018 13:03

Tgt Ion:168 Resp: 1698957  
Ion Ratio Lower Upper  
168 100  
139 41.0 30.1 45.1  
169 13.7 10.9 16.3





#55

4-Nitrophenol

Concen: 91.229 ng

RT: 9.87 min Scan# 1324

Delta R.T. 0.01 min

Lab File: BF101948.D

Acq: 9 Jan 2018 13:03

Instrument :

BNA\_F

ClientSampleId :

SSTDICC050

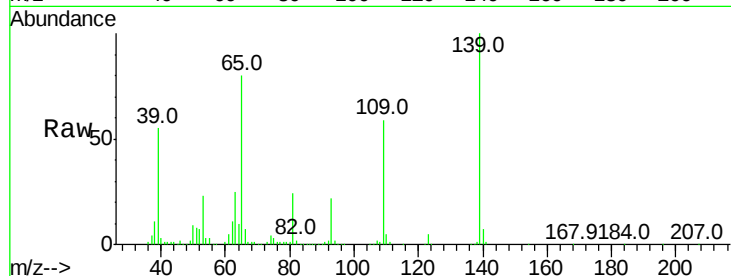
Tot Ion:139 Resp: 330181

Ion Ratio Lower Upper

139 100

109 59.3 48.4 88.4

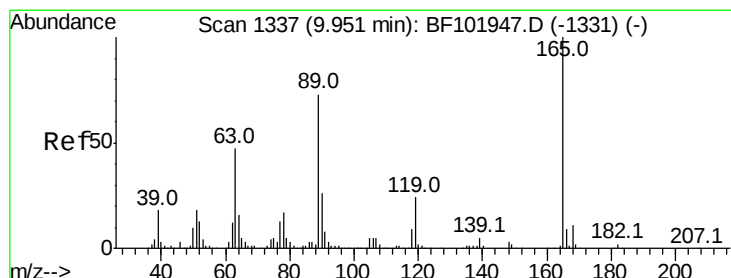
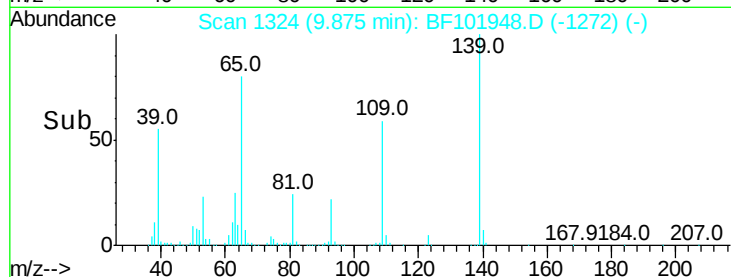
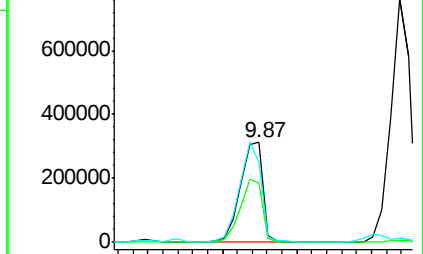
65 80.3 72.6 112.6



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#56

2,4-Dinitrotoluene

Concen: 58.756 ng

RT: 9.95 min Scan# 1337

Delta R.T. -0.00 min

Lab File: BF101948.D

Acq: 9 Jan 2018 13:03

Tgt Ion:165 Resp: 440715

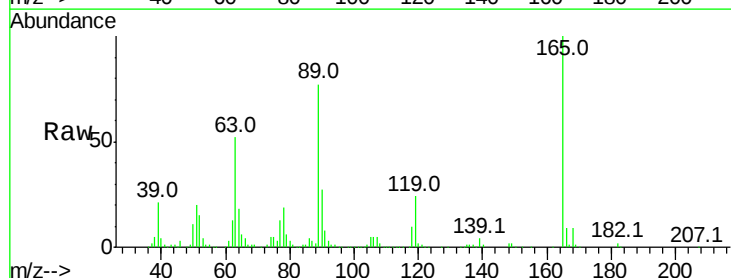
Ion Ratio Lower Upper

165 100

63 52.1 36.4 54.6

89 77.2 57.8 86.6

182 2.2 1.6 2.4

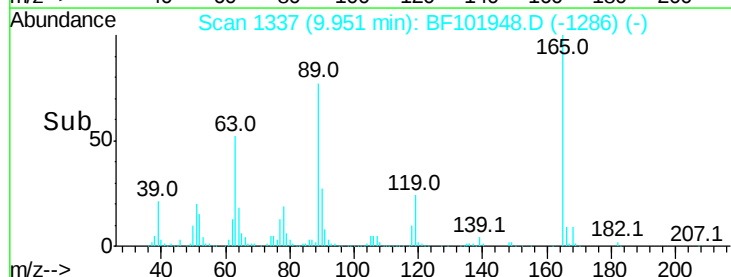
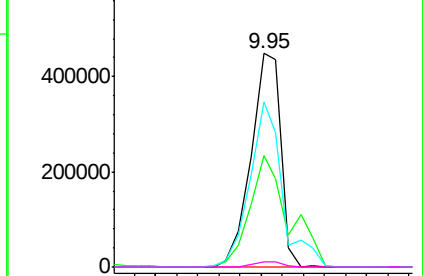


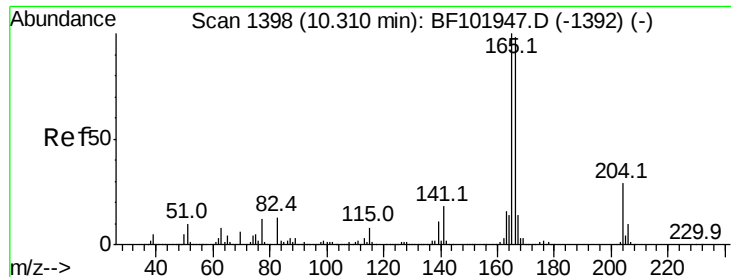
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

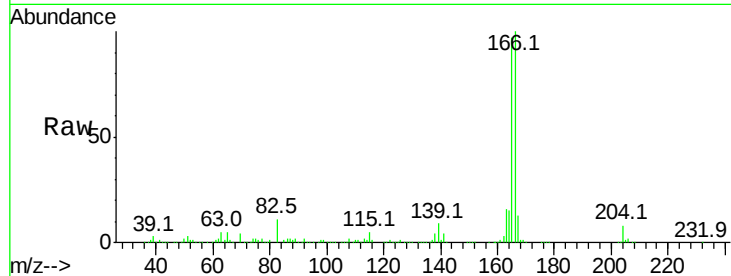




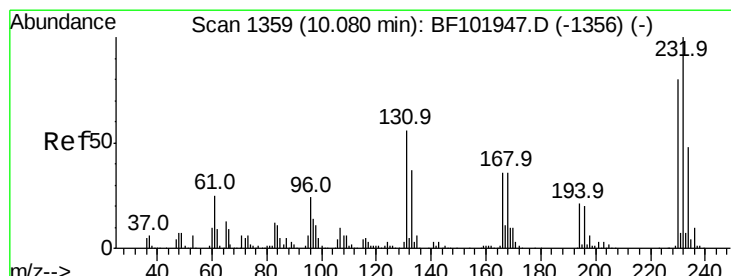
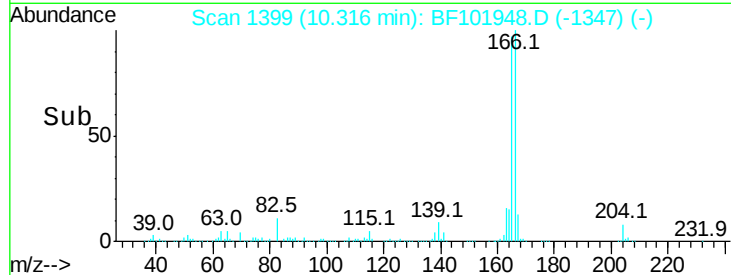
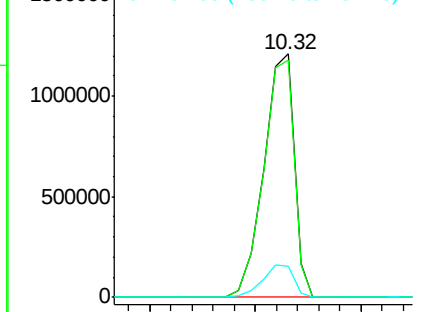
#57  
 Fluorene  
 Concen: 42.927 ng  
 RT: 10.32 min Scan# 1399  
 Delta R.T. 0.01 min  
 Lab File: BF101948.D  
 Acq: 9 Jan 2018 13:03

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC050

Tot Ion:166 Resp: 1210170  
 Ion Ratio Lower Upper  
 166 100  
 165 97.5 79.8 119.8  
 167 12.9 10.6 16.0



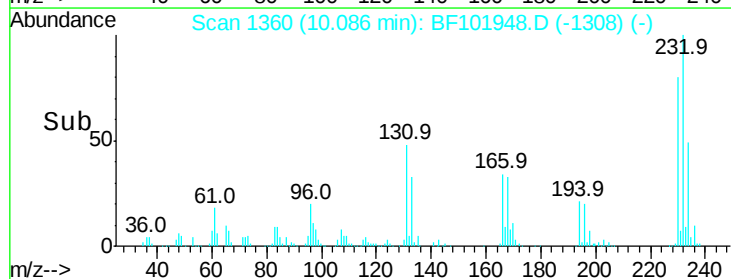
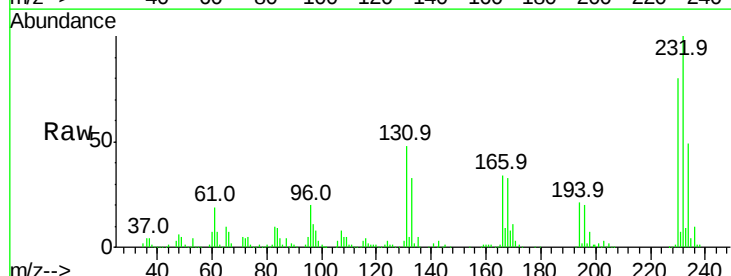
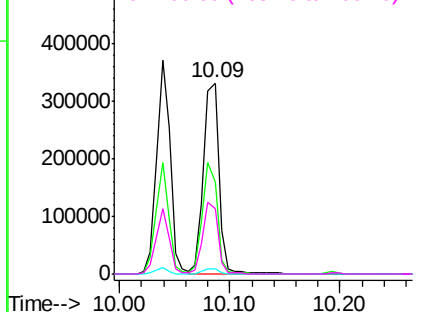
Abundance Ion 166.00 (165.70 to 166.70): E  
 Ion 165.00 (164.70 to 165.70): E  
 Ion 167.00 (166.70 to 167.70): E

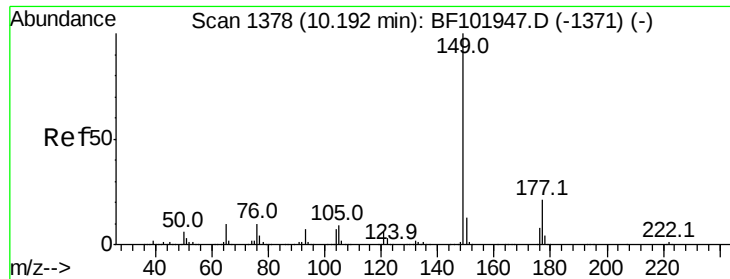


#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 48.456 ng  
 RT: 10.09 min Scan# 1360  
 Delta R.T. 0.01 min  
 Lab File: BF101948.D  
 Acq: 9 Jan 2018 13:03

Tgt Ion:232 Resp: 315520  
 Ion Ratio Lower Upper  
 232 100  
 131 54.8 43.8 65.8  
 130 2.7 2.1 3.1  
 166 36.6 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

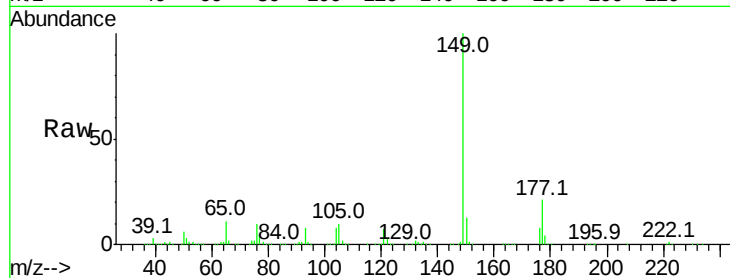




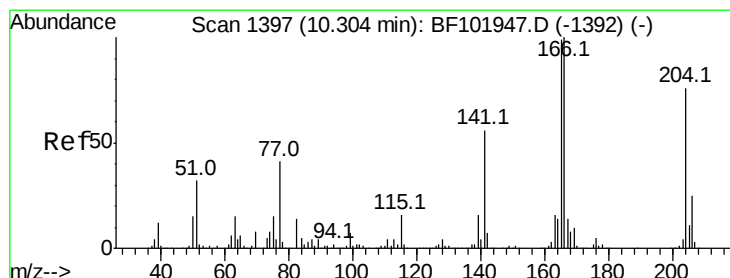
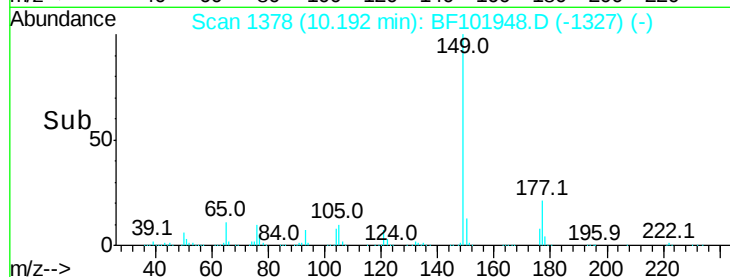
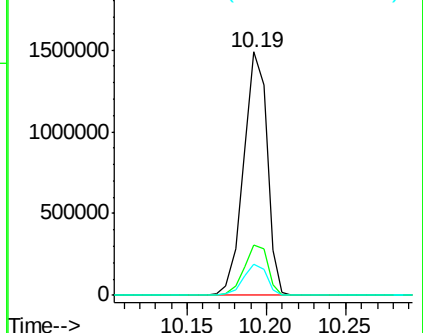
#59  
Diethylphthalate  
Concen: 46.985 ng  
RT: 10.19 min Scan# 1378  
Delta R.T. -0.00 min  
Lab File: BF101948.D  
Acq: 9 Jan 2018 13:03

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDIC050

Tot Ion:149 Resp: 1524090  
Ion Ratio Lower Upper  
149 100  
177 20.9 16.1 24.1  
150 12.7 10.1 15.1

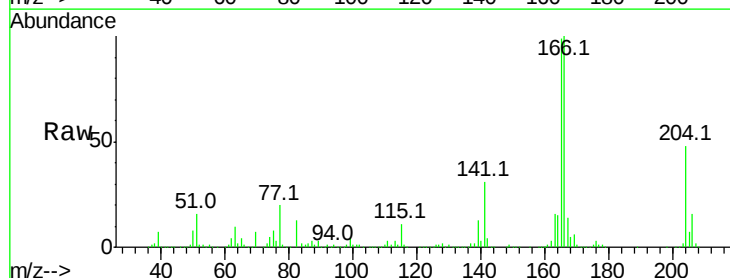


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 177.00 (176.70 to 177.70): E  
Ion 150.00 (149.70 to 150.70): E

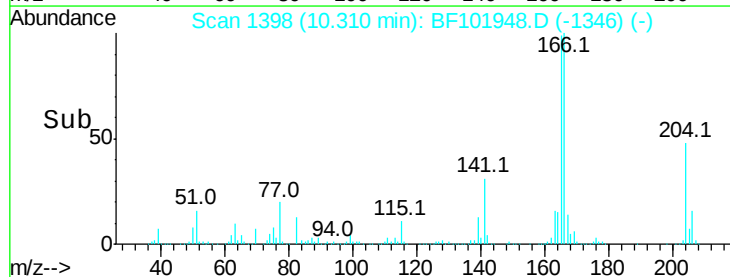
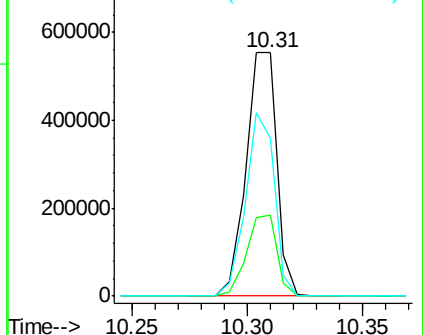


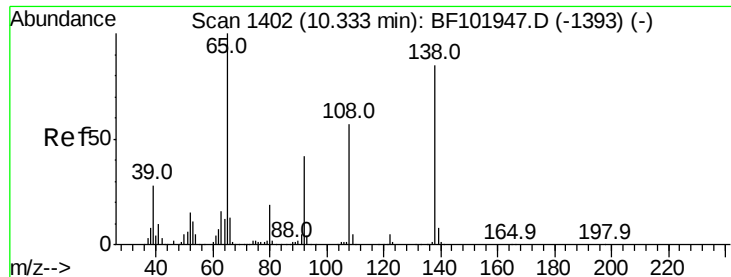
#60  
4-Chlorophenyl-phenylether  
Concen: 38.233 ng  
RT: 10.31 min Scan# 1398  
Delta R.T. 0.01 min  
Lab File: BF101948.D  
Acq: 9 Jan 2018 13:03

Tgt Ion:204 Resp: 516563  
Ion Ratio Lower Upper  
204 100  
206 33.4 26.5 39.7  
141 64.7 54.6 81.8



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

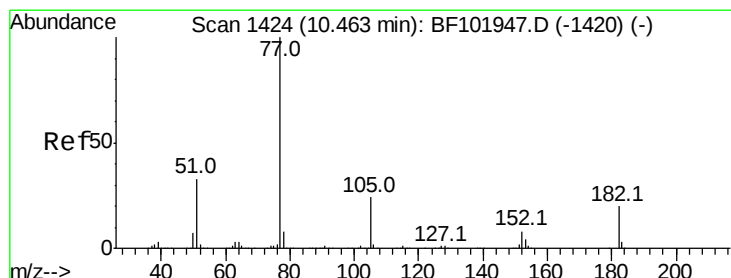
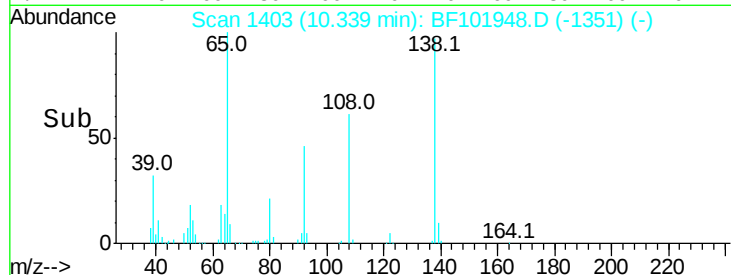
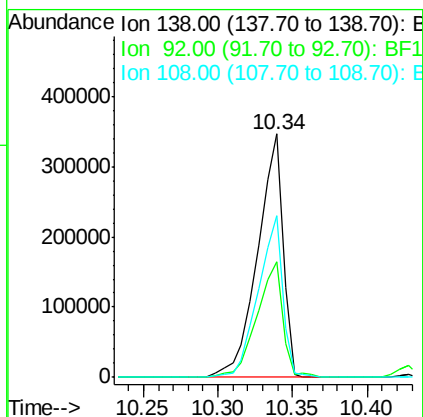
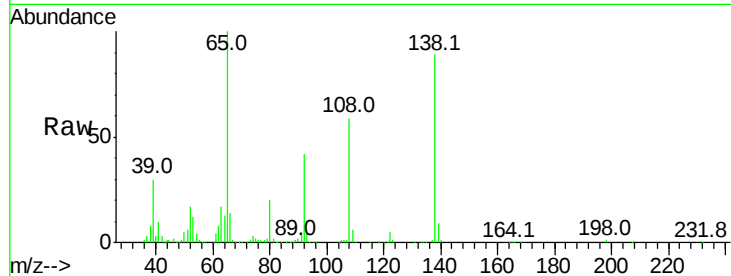




#61  
4-Nitroaniline  
Concen: 48.607 ng  
RT: 10.34 min Scan# 1403  
Delta R.T. 0.01 min  
Lab File: BF101948.D  
Acq: 9 Jan 2018 13:03

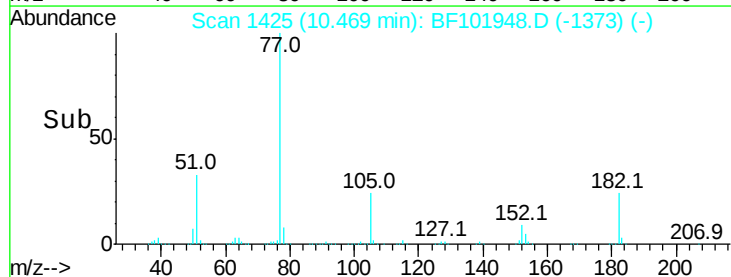
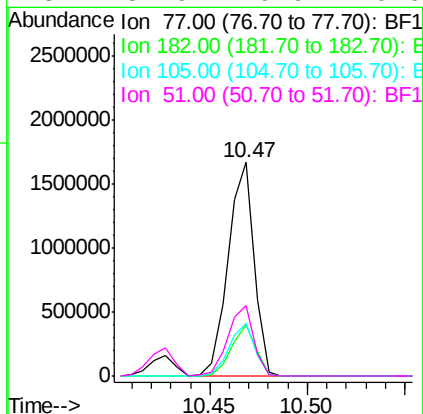
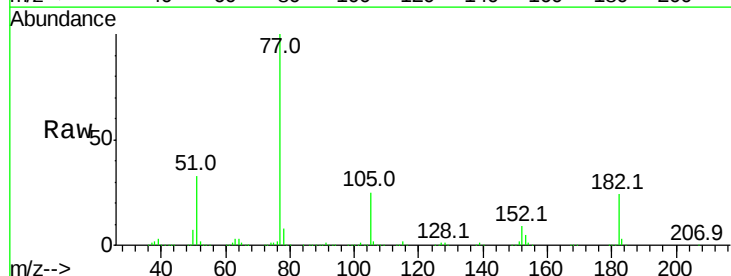
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDIC050

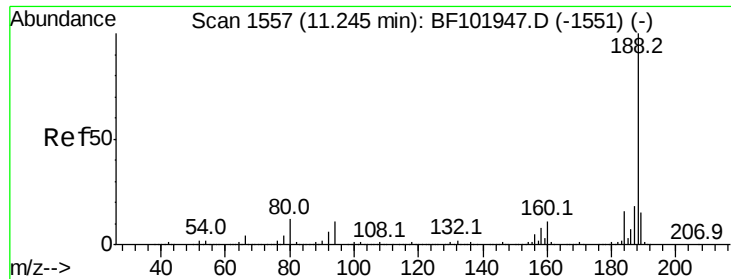
Tot Ion:138 Resp: 405521  
Ion Ratio Lower Upper  
138 100  
92 47.6 30.2 70.2  
108 66.2 52.5 92.5



#62  
Azobenzene  
Concen: 45.495 ng  
RT: 10.47 min Scan# 1425  
Delta R.T. 0.01 min  
Lab File: BF101948.D  
Acq: 9 Jan 2018 13:03

Tgt Ion: 77 Resp: 1528749  
Ion Ratio Lower Upper  
77 100  
182 23.7 1.7 41.7  
105 24.5 3.0 43.0  
51 32.9 9.9 49.9

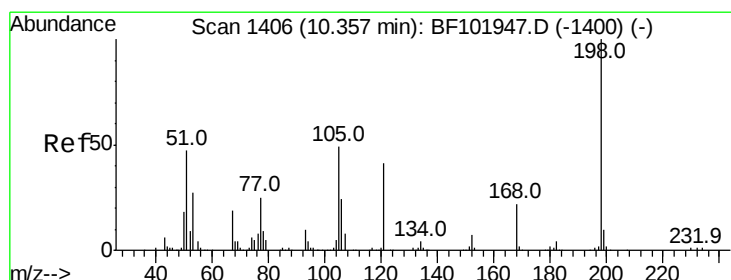
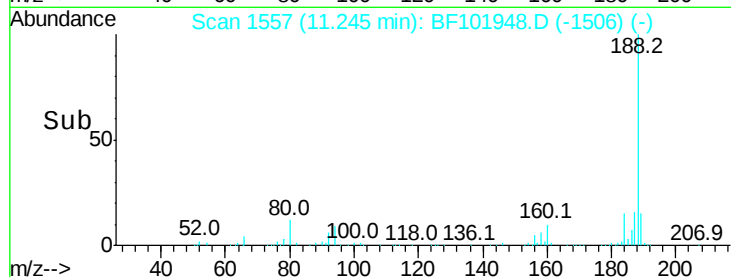
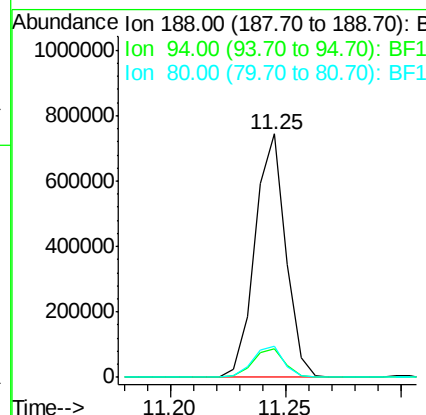
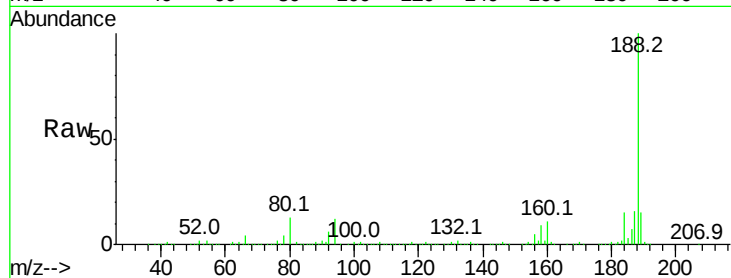




#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.25 min Scan# 1557  
 Delta R.T. -0.00 min  
 Lab File: BF101948.D  
 Acq: 9 Jan 2018 13:03

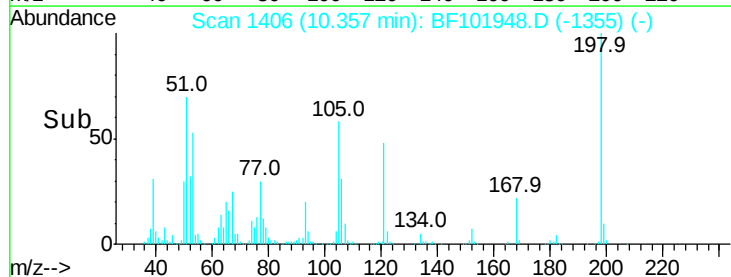
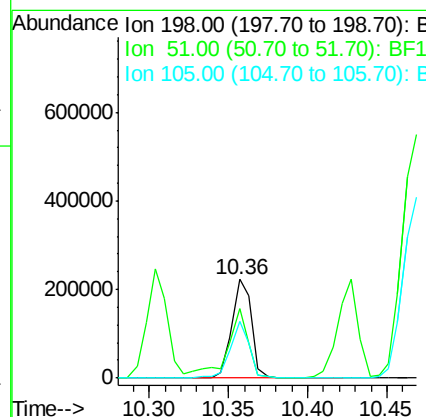
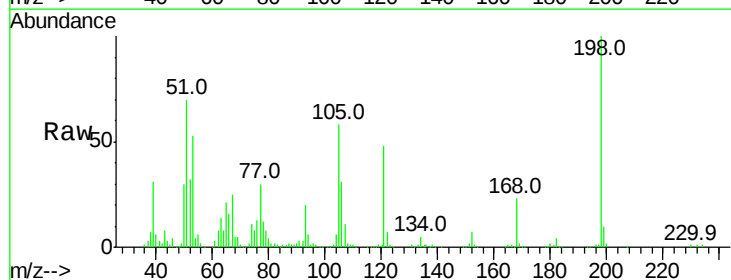
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC050

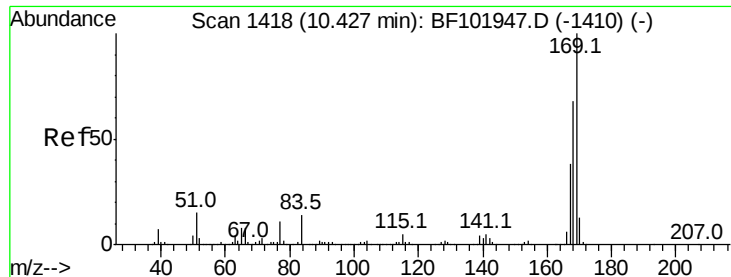
Tot Ion:188 Resp: 692539  
 Ion Ratio Lower Upper  
 188 100  
 94 11.6 8.5 12.7  
 80 12.6 9.2 13.8



#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 54.711 ng  
 RT: 10.36 min Scan# 1406  
 Delta R.T. -0.00 min  
 Lab File: BF101948.D  
 Acq: 9 Jan 2018 13:03

Tgt Ion:198 Resp: 193353  
 Ion Ratio Lower Upper  
 198 100  
 51 70.0 37.7 77.7  
 105 58.0 36.3 76.3

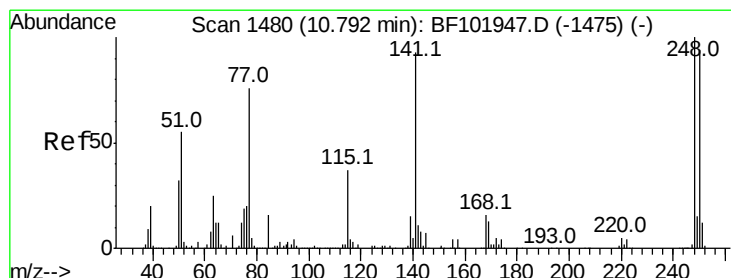
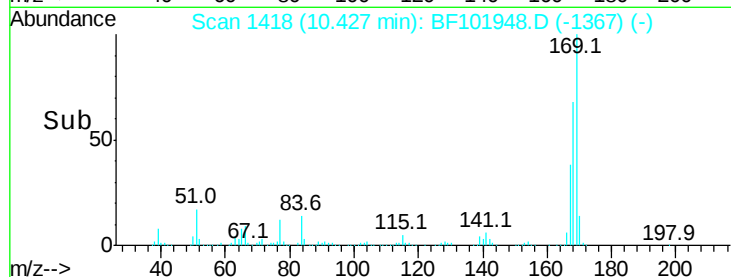
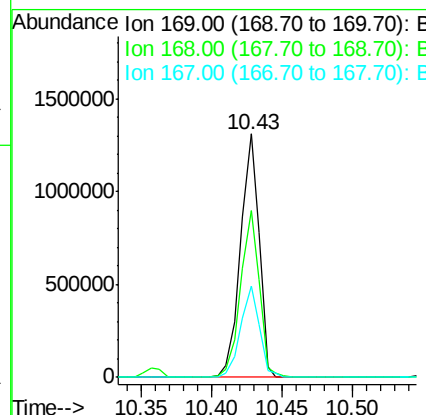
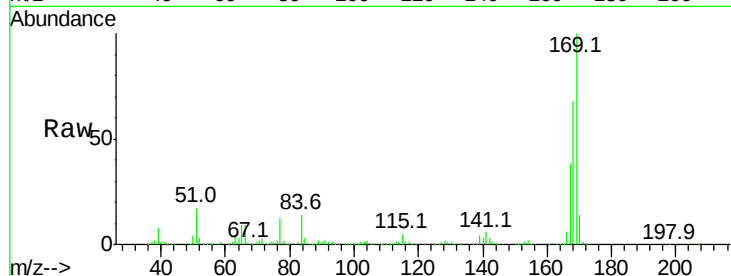




#65  
 n-Nitrosodiphenylamine  
 Concen: 46.936 ng  
 RT: 10.43 min Scan# 1418  
 Delta R.T. -0.00 min  
 Lab File: BF101948.D  
 Acq: 9 Jan 2018 13:03

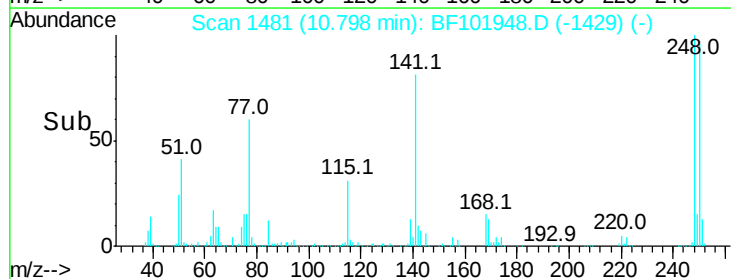
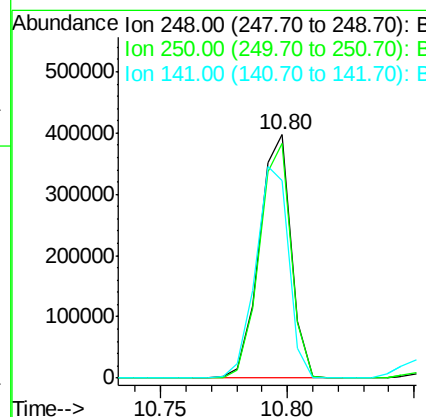
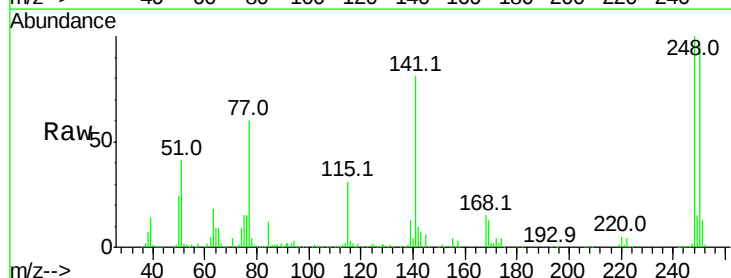
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC050

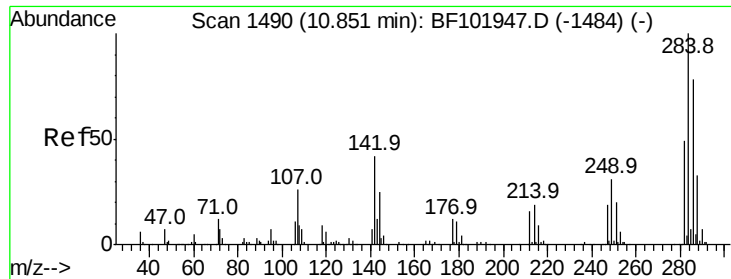
Tot Ion:169 Resp: 1200231  
 Ion Ratio Lower Upper  
 169 100  
 168 68.3 54.4 81.6  
 167 37.7 29.8 44.6



#66  
 4-Bromophenyl-phenylether  
 Concen: 44.408 ng  
 RT: 10.80 min Scan# 1481  
 Delta R.T. 0.01 min  
 Lab File: BF101948.D  
 Acq: 9 Jan 2018 13:03

Tgt Ion:248 Resp: 345565  
 Ion Ratio Lower Upper  
 248 100  
 250 96.3 76.9 115.3  
 141 81.4 74.4 111.6

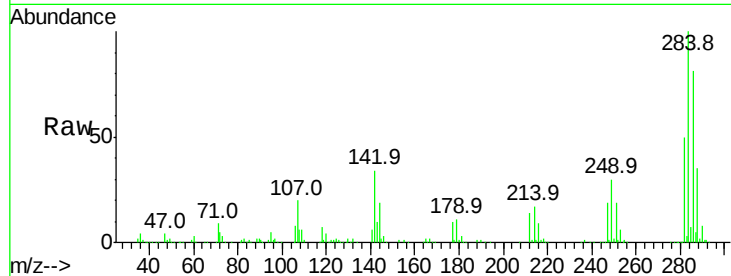




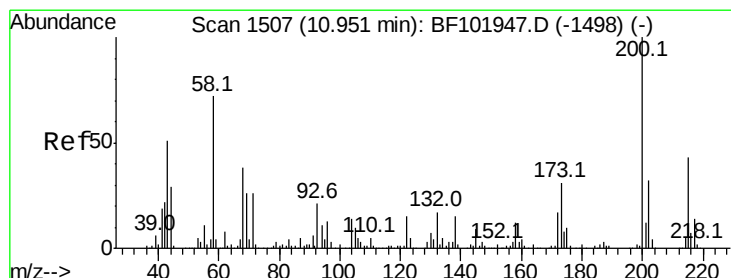
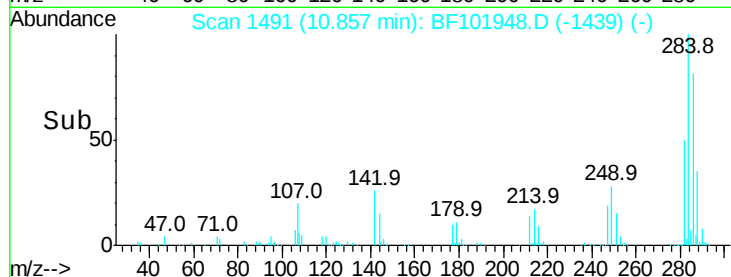
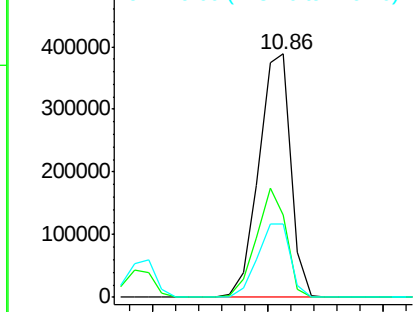
#67  
Hexachlorobenzene  
Concen: 45.488 ng  
RT: 10.86 min Scan# 1491  
Delta R.T. 0.01 min  
Lab File: BF101948.D  
Acq: 9 Jan 2018 13:03

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDIC050

Tot Ion:284 Resp: 374630  
Ion Ratio Lower Upper  
284 100  
142 34.0 34.6 52.0#  
249 30.0 24.8 37.2

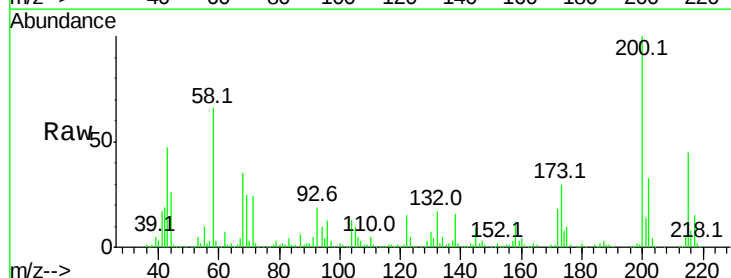


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

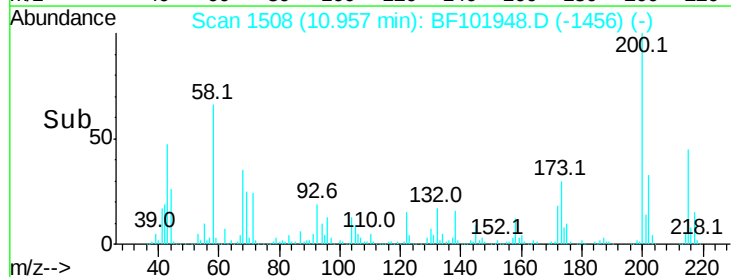
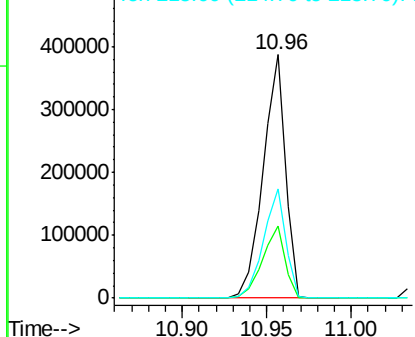


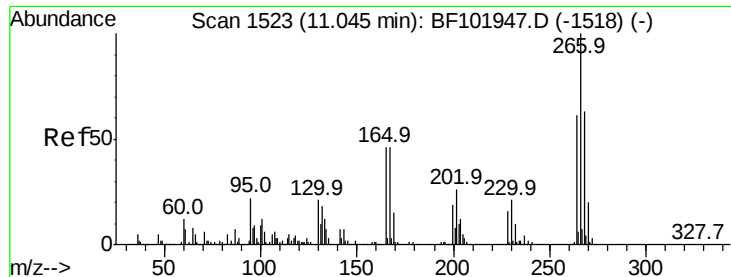
#68  
Atrazine  
Concen: 46.406 ng  
RT: 10.96 min Scan# 1508  
Delta R.T. 0.01 min  
Lab File: BF101948.D  
Acq: 9 Jan 2018 13:03

Tgt Ion:200 Resp: 353841  
Ion Ratio Lower Upper  
200 100  
173 29.7 8.6 48.6  
215 44.7 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

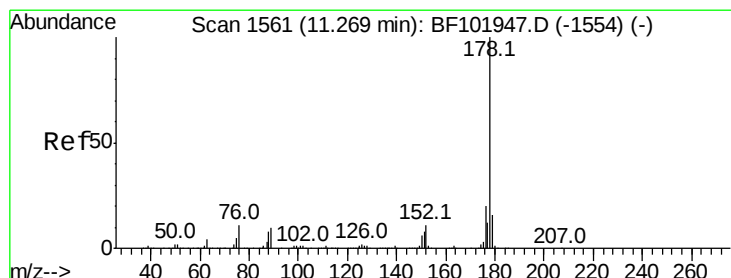
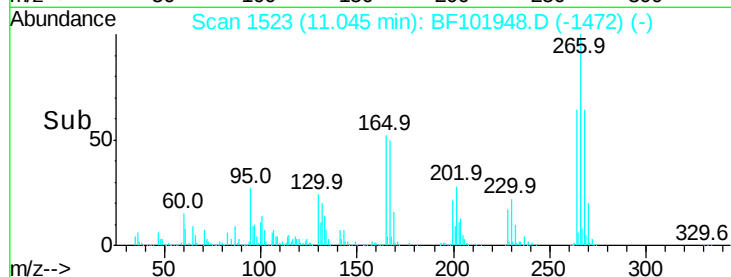
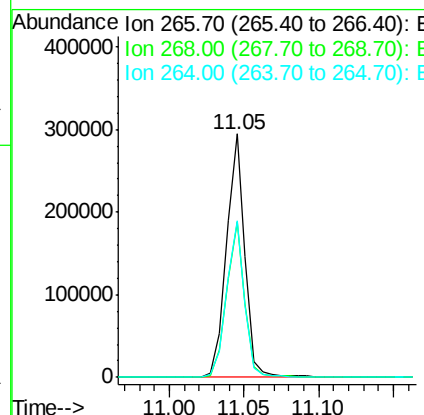
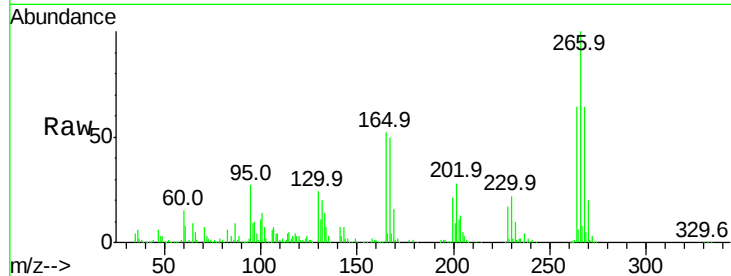




#69  
 Pentachlorophenol  
 Concen: 94.336 ng  
 RT: 11.05 min Scan# 1523  
 Delta R.T. -0.00 min  
 Lab File: BF101948.D  
 Acq: 9 Jan 2018 13:03

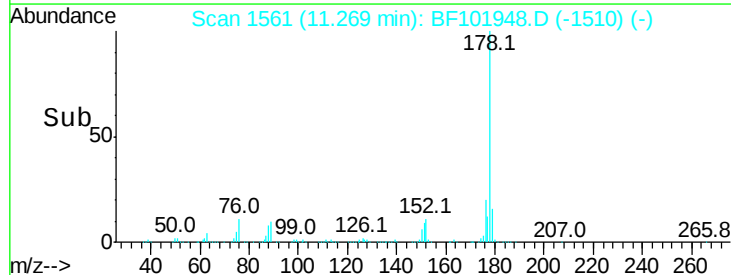
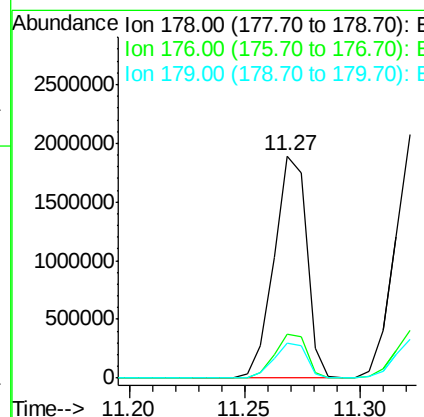
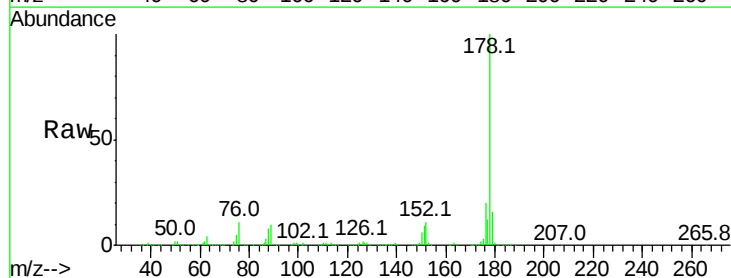
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC050

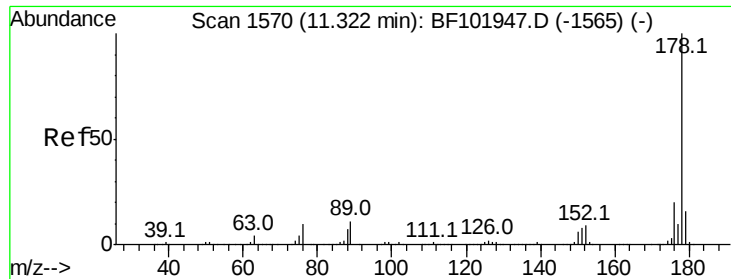
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 63.8  | 51.1  | 76.7  |
| 264     | 64.1  | 49.5  | 74.3  |



#70  
 Phenanthrene  
 Concen: 48.158 ng  
 RT: 11.27 min Scan# 1561  
 Delta R.T. -0.00 min  
 Lab File: BF101948.D  
 Acq: 9 Jan 2018 13:03

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

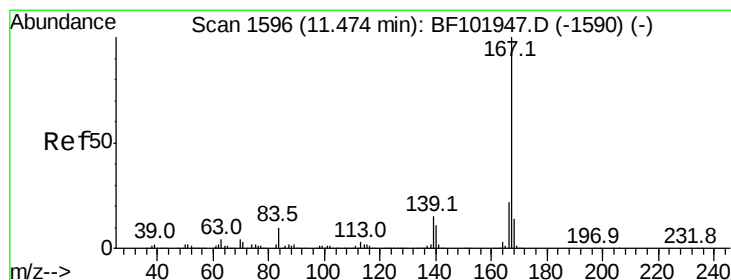
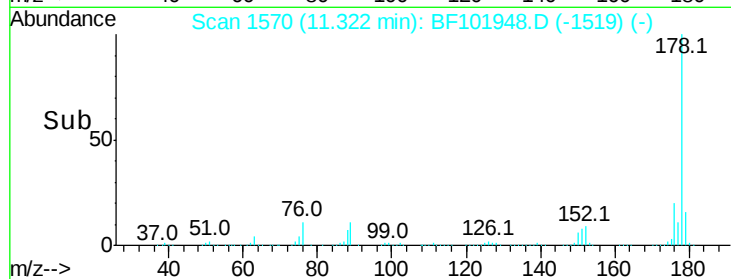
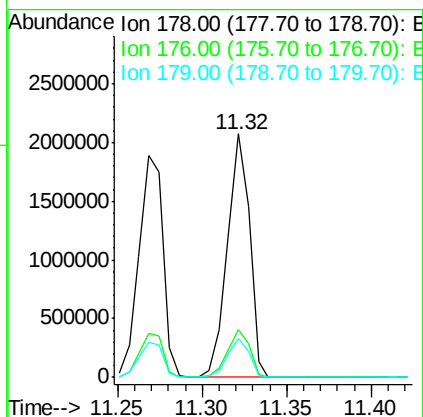
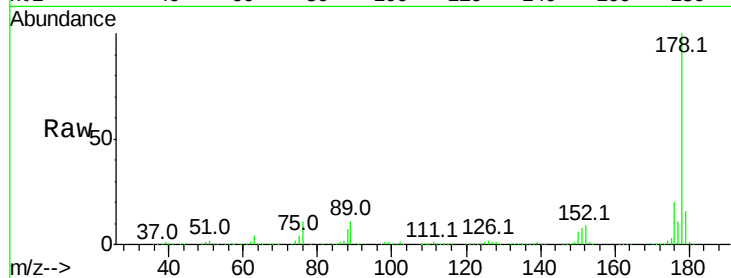




#71  
 Anthracene  
 Concen: 47.956 ng  
 RT: 11.32 min Scan# 1570  
 Delta R.T. -0.00 min  
 Lab File: BF101948.D  
 Acq: 9 Jan 2018 13:03

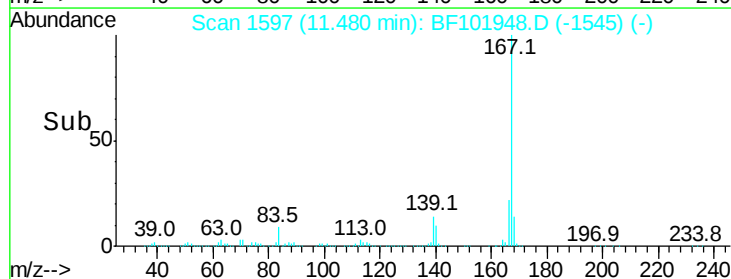
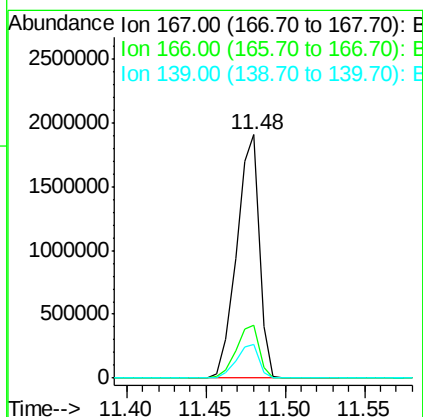
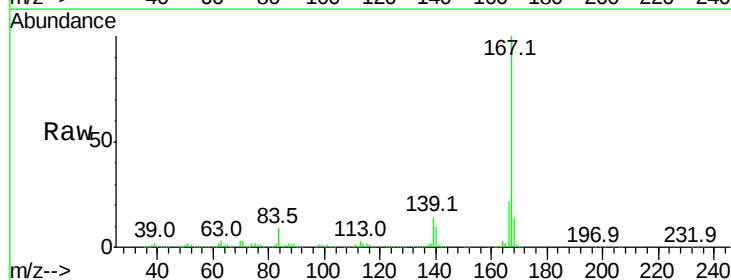
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC050

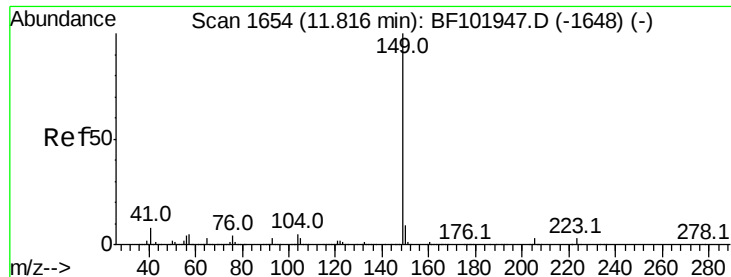
Tot Ion:178 Resp: 1886590  
 Ion Ratio Lower Upper  
 178 100  
 176 19.9 15.4 23.2  
 179 15.8 12.6 19.0



#72  
 Carbazole  
 Concen: 50.859 ng  
 RT: 11.48 min Scan# 1597  
 Delta R.T. 0.01 min  
 Lab File: BF101948.D  
 Acq: 9 Jan 2018 13:03

Tgt Ion:167 Resp: 1873275  
 Ion Ratio Lower Upper  
 167 100  
 166 21.9 17.6 26.4  
 139 13.7 10.9 16.3





#73

Di-n-butylphthalate

Concen: 51.376 ng

RT: 11.82 min Scan# 1654

Delta R.T. -0.00 min

Lab File: BF101948.D

Acq: 9 Jan 2018 13:03

Instrument :

BNA\_F

ClientSampleId :

SSTDIC050

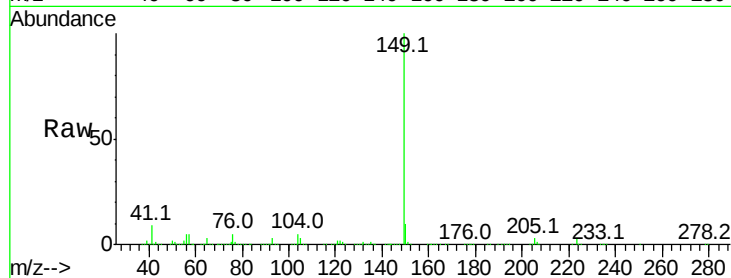
Tot Ion:149 Resp: 2296751

Ion Ratio Lower Upper

149 100

150 9.6 7.8 11.6

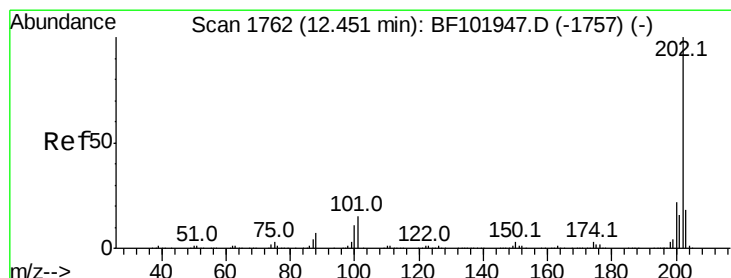
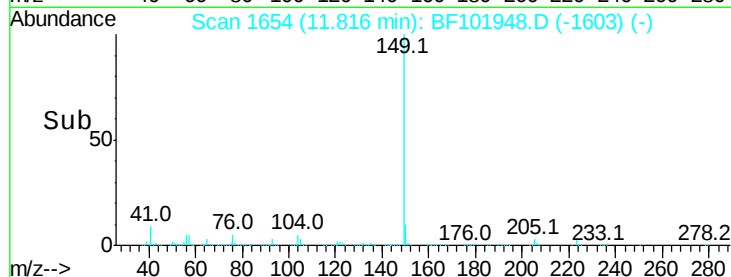
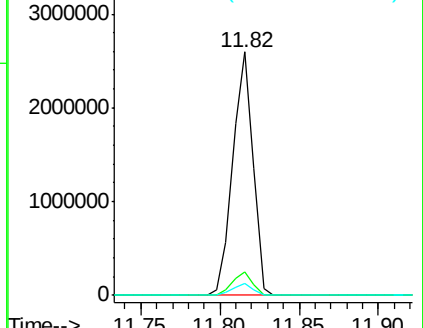
104 5.2 3.8 5.8



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: 45.072 ng

RT: 12.46 min Scan# 1763

Delta R.T. 0.01 min

Lab File: BF101948.D

Acq: 9 Jan 2018 13:03

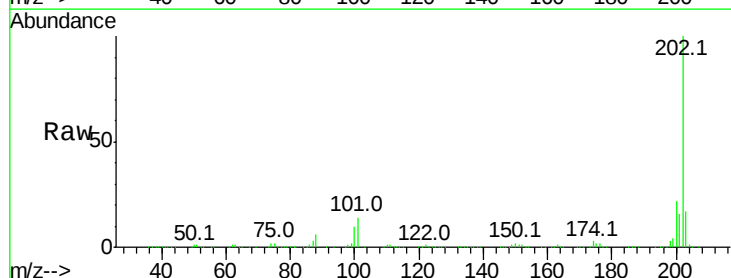
Tgt Ion:202 Resp: 1822029

Ion Ratio Lower Upper

202 100

101 14.1 0.0 34.1

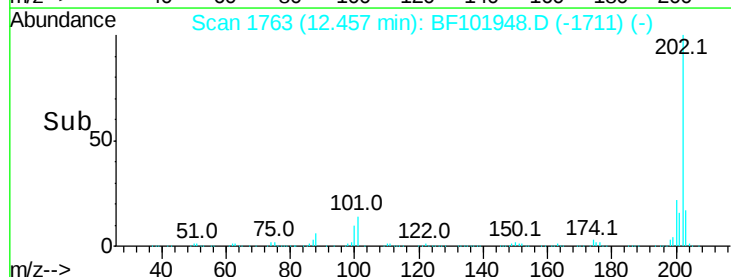
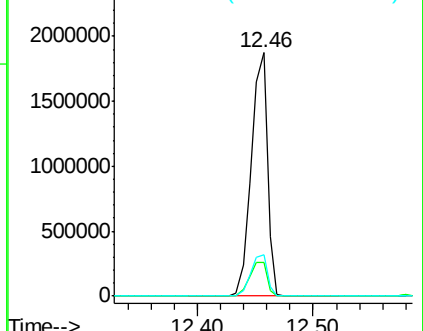
203 17.2 0.0 38.1

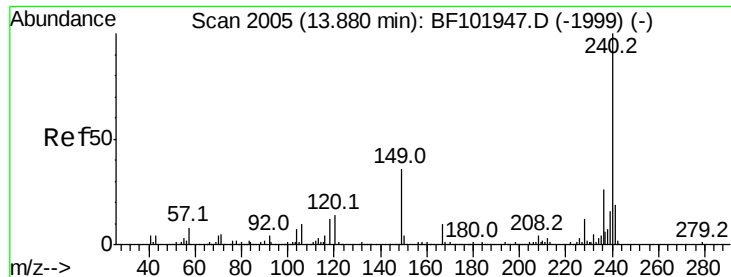


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.88 min Scan# 2005

Delta R.T. -0.00 min

Lab File: BF101948.D

Acq: 9 Jan 2018 13:03

Instrument :

BNA\_F

ClientSampleId :

SSTDIC050

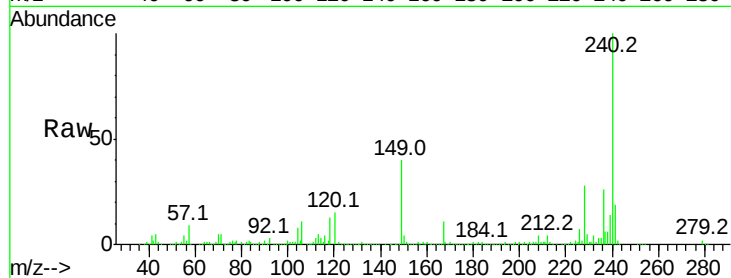
Tot Ion:240 Resp: 428350

Ion Ratio Lower Upper

240 100

120 15.3 9.5 14.3#

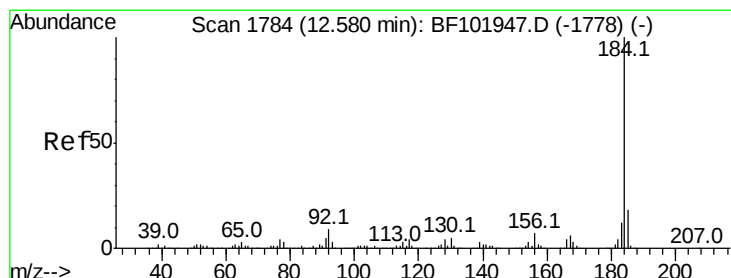
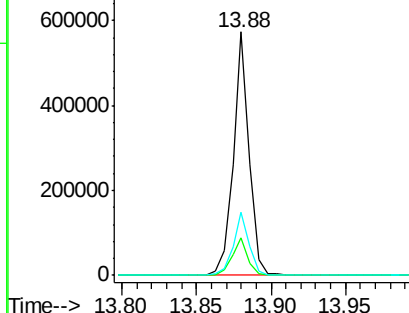
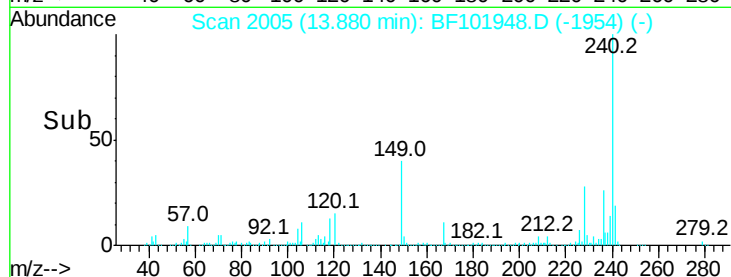
236 26.1 20.7 31.1



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: 57.761 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.00 min

Lab File: BF101948.D

Acq: 9 Jan 2018 13:03

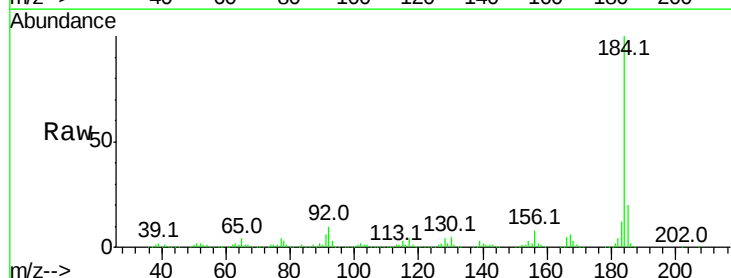
Tgt Ion:184 Resp: 1044978

Ion Ratio Lower Upper

184 100

185 19.9 12.6 18.8#

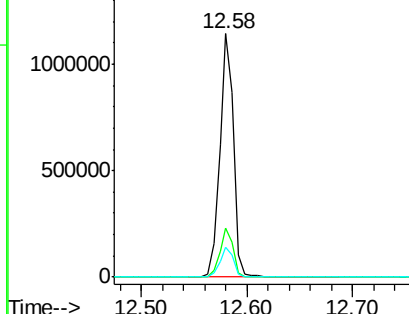
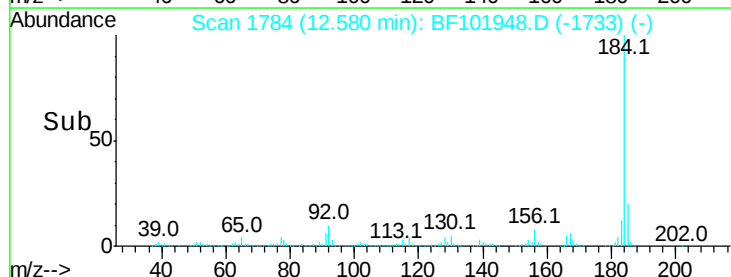
183 12.2 9.3 13.9

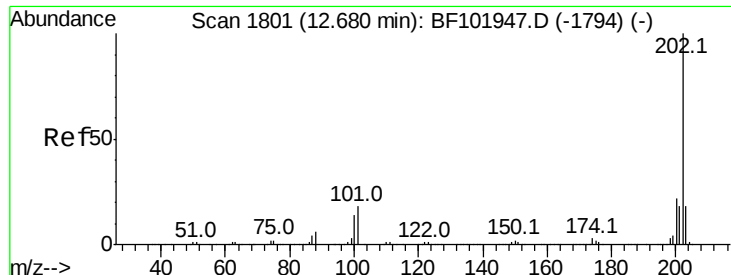


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

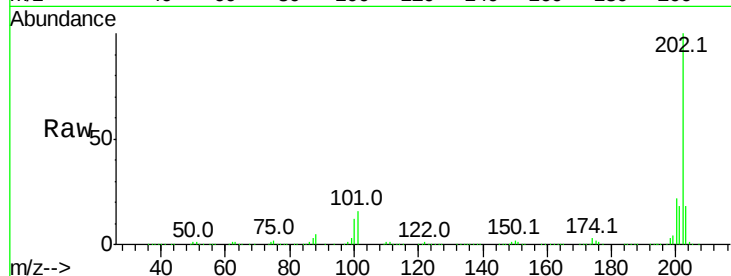




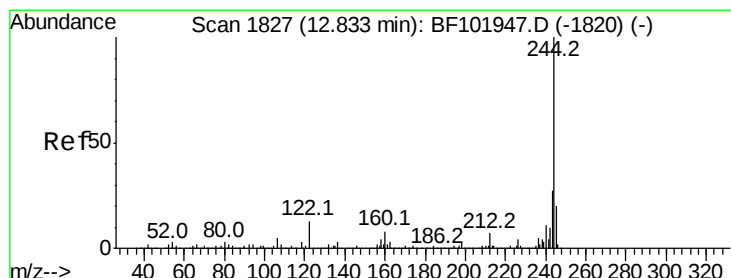
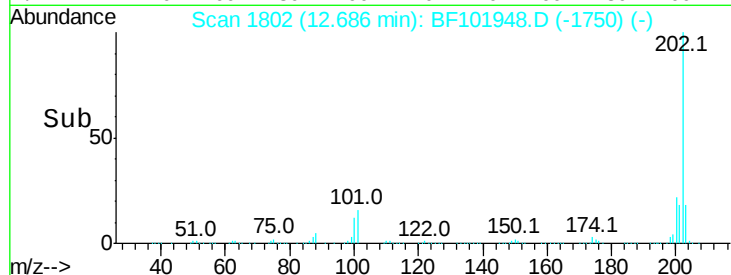
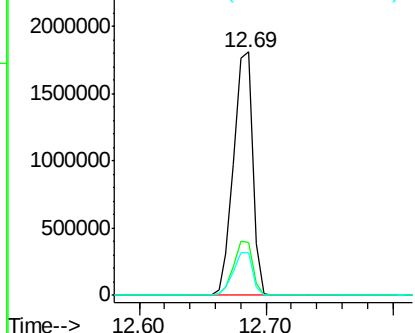
#77  
Pvrene  
Concen: 58.462 ng  
RT: 12.69 min Scan# 1802  
Delta R.T. 0.01 min  
Lab File: BF101948.D  
Acq: 9 Jan 2018 13:03

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

Tot Ion:202 Resp: 1879399  
Ion Ratio Lower Upper  
202 100  
200 21.6 17.4 26.2  
203 17.7 14.3 21.5

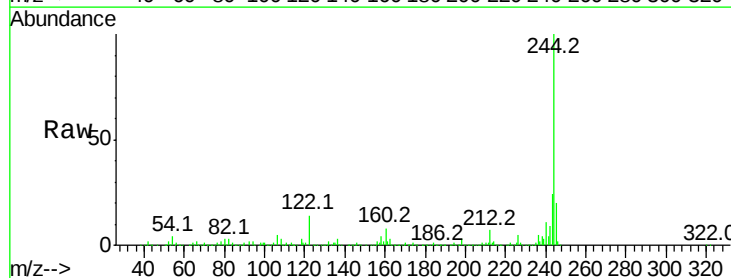


Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 200.00 (199.70 to 200.70): E  
Ion 203.00 (202.70 to 203.70): E

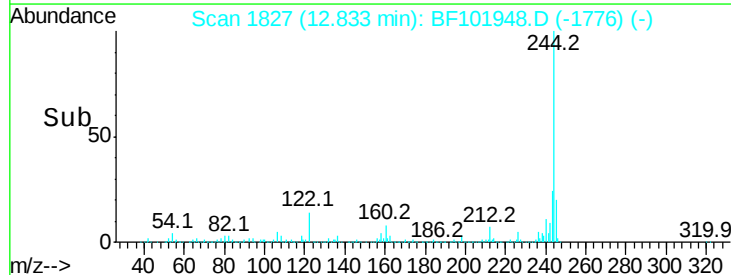
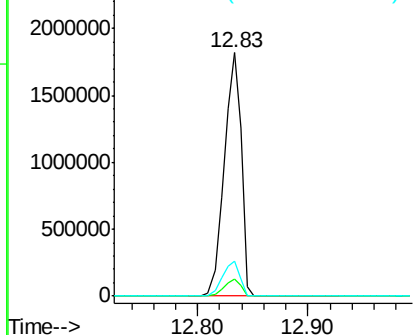


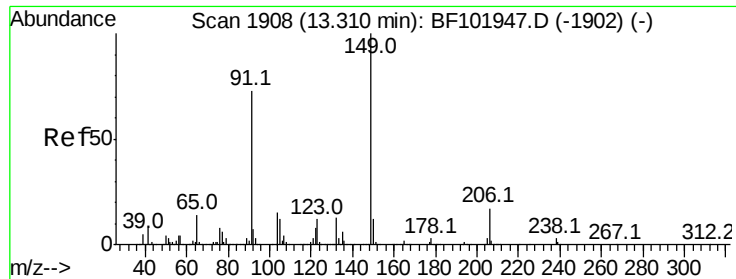
#78  
Terphenyl-d14  
Concen: 109.774 ng  
RT: 12.83 min Scan# 1827  
Delta R.T. -0.00 min  
Lab File: BF101948.D  
Acq: 9 Jan 2018 13:03

Tgt Ion:244 Resp: 1950479  
Ion Ratio Lower Upper  
244 100  
212 7.2 5.4 8.0  
122 14.3 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

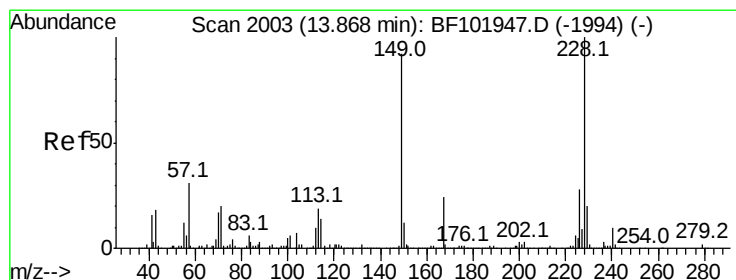
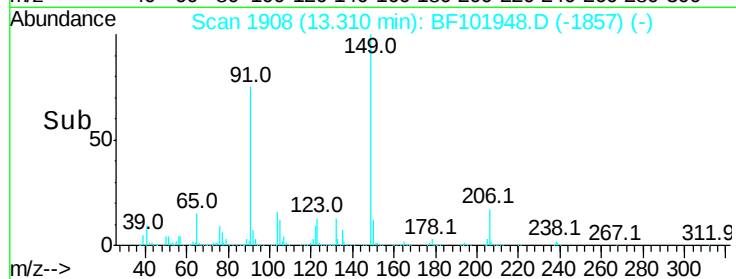
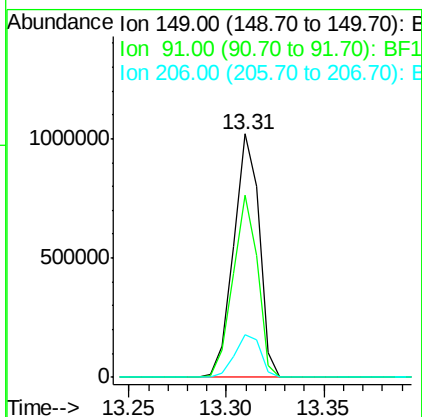
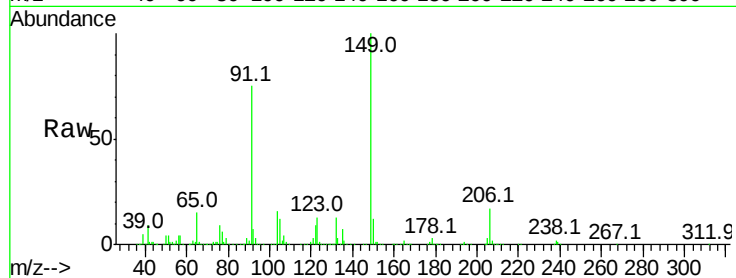




#79  
Butylbenzylphthalate  
Concen: 63.643 ng  
RT: 13.31 min Scan# 1908  
Delta R.T. -0.00 min  
Lab File: BF101948.D  
Acq: 9 Jan 2018 13:03

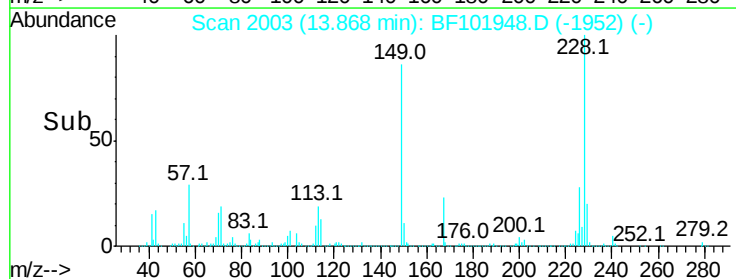
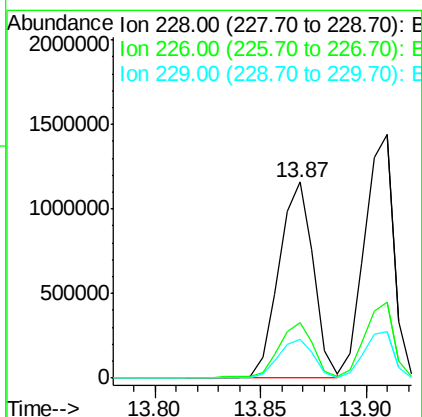
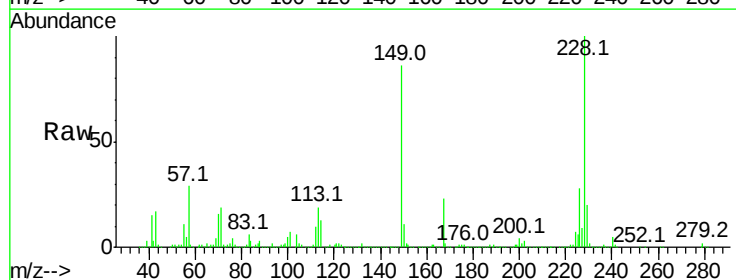
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDIC050

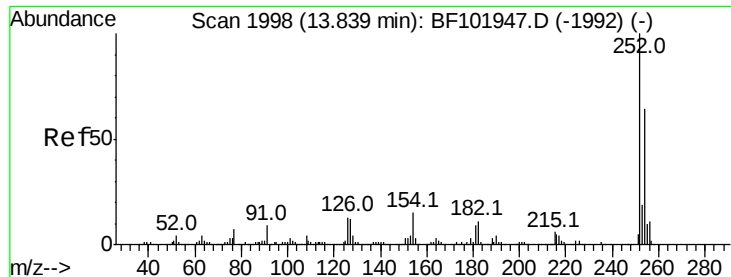
Tot Ion:149 Resp: 925757  
Ion Ratio Lower Upper  
149 100  
91 75.0 56.8 85.2  
206 17.3 14.1 21.1



#80  
Benzo(a)anthracene  
Concen: 46.609 ng  
RT: 13.87 min Scan# 2003  
Delta R.T. -0.00 min  
Lab File: BF101948.D  
Acq: 9 Jan 2018 13:03

Tgt Ion:228 Resp: 1318326  
Ion Ratio Lower Upper  
228 100  
226 28.0 22.6 33.8  
229 19.6 15.8 23.6

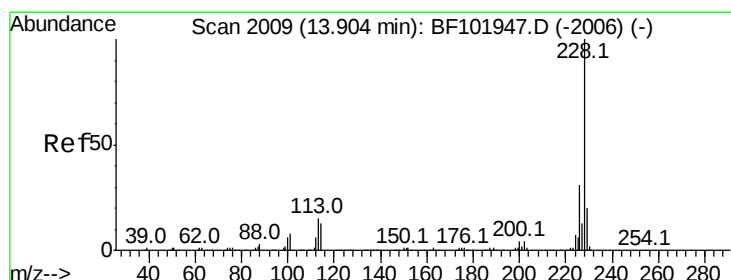
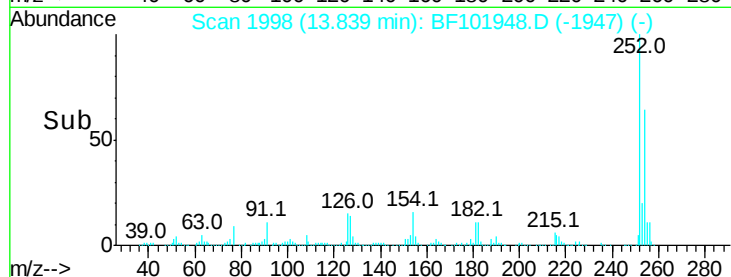
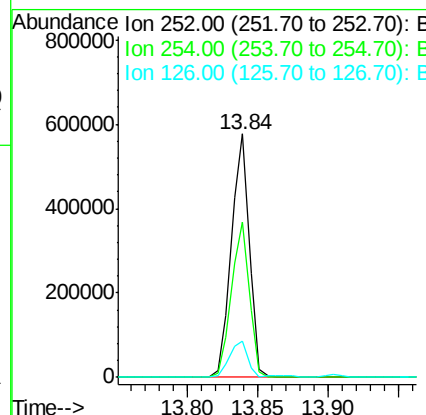
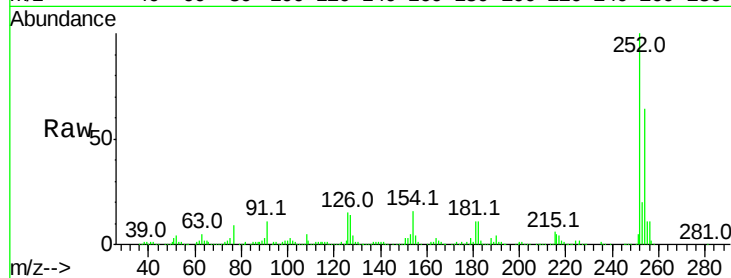




#81  
 3,3'-Dichlorobenzidine  
 Concen: 55.330 ng  
 RT: 13.84 min Scan# 1998  
 Delta R.T. -0.00 min  
 Lab File: BF101948.D  
 Acq: 9 Jan 2018 13:03

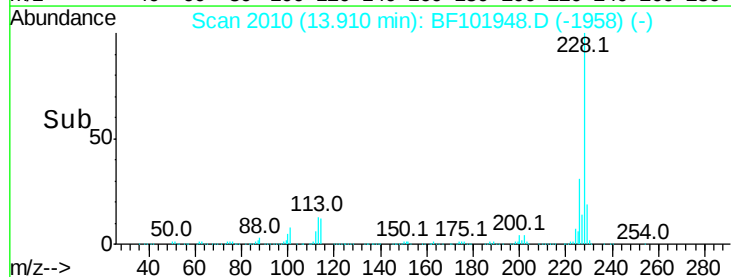
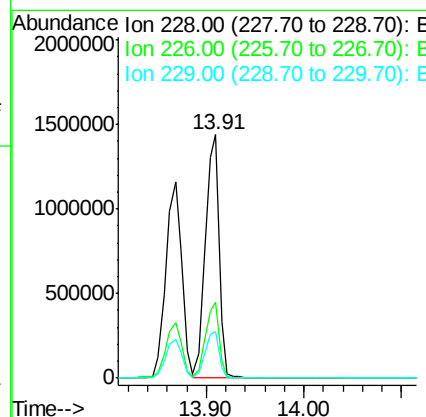
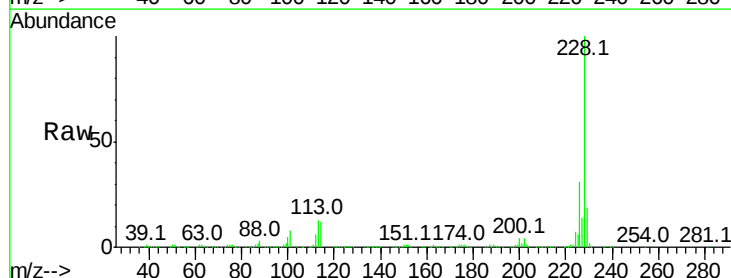
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC050

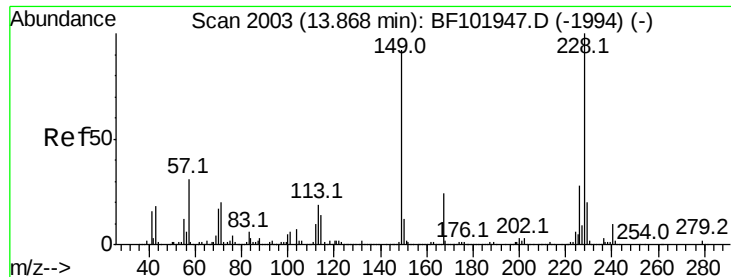
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 63.9  | 50.4  | 75.6  |
| 126     | 14.7  | 11.3  | 16.9  |



#82  
 Chrysene  
 Concen: 52.465 ng  
 RT: 13.91 min Scan# 2010  
 Delta R.T. 0.01 min  
 Lab File: BF101948.D  
 Acq: 9 Jan 2018 13:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 31.2  | 25.0  | 37.6  |
| 229     | 19.2  | 16.2  | 24.4  |

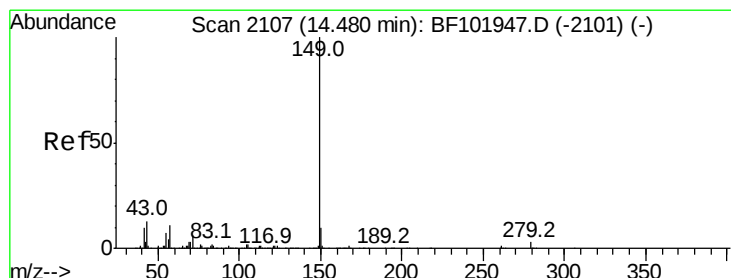
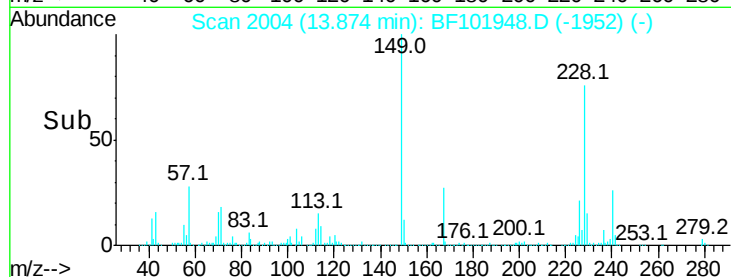
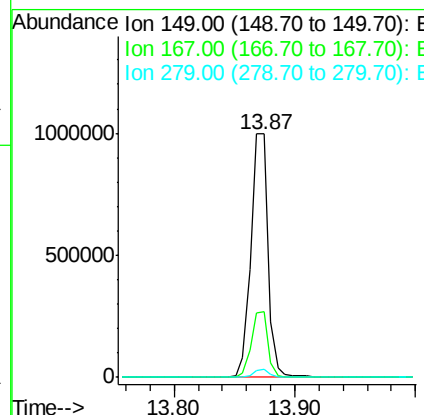
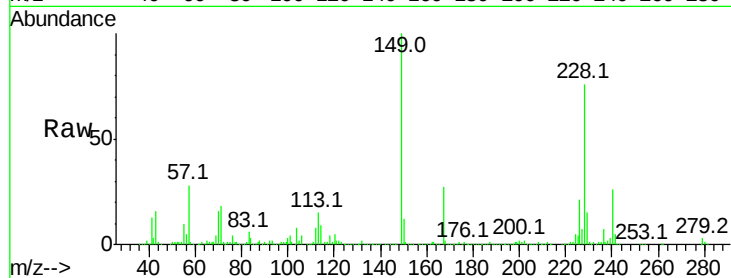




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 54.010 ng  
 RT: 13.87 min Scan# 2004  
 Delta R.T. 0.01 min  
 Lab File: BF101948.D  
 Acq: 9 Jan 2018 13:03

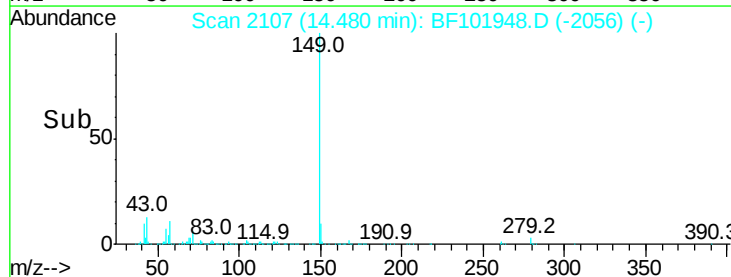
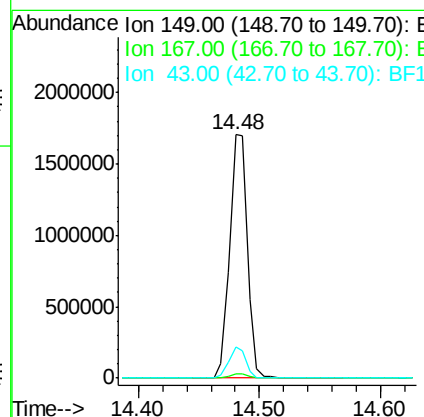
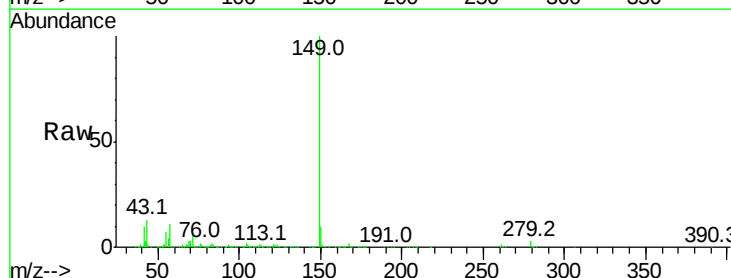
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC050

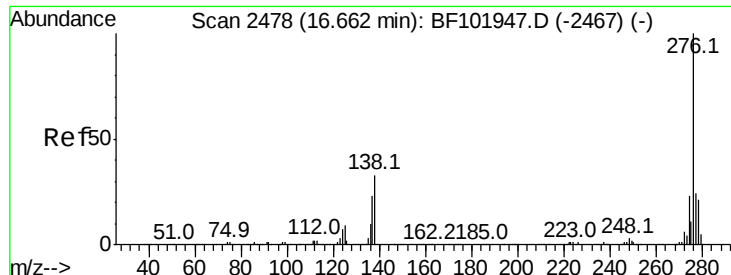
Tot Ion:149 Resp: 995084  
 Ion Ratio Lower Upper  
 149 100  
 167 27.2 21.3 31.9  
 279 3.4 3.0 4.4



#84  
 Di-n-octyl phthalate  
 Concen: 52.726 ng  
 RT: 14.48 min Scan# 2107  
 Delta R.T. -0.00 min  
 Lab File: BF101948.D  
 Acq: 9 Jan 2018 13:03

Tgt Ion:149 Resp: 1732448  
 Ion Ratio Lower Upper  
 149 100  
 167 1.6 1.2 1.8  
 43 12.2 8.4 12.6



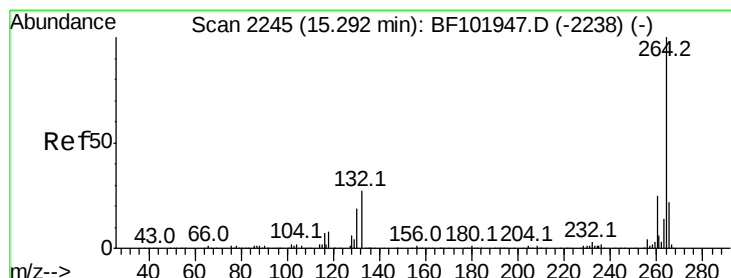
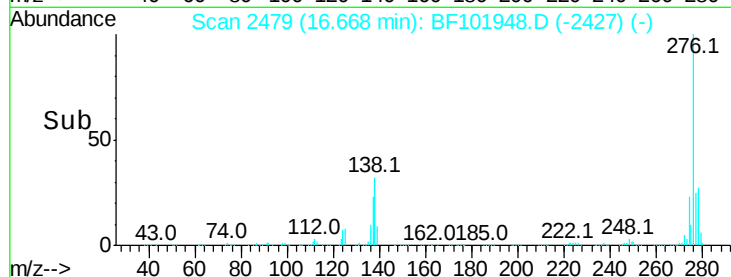
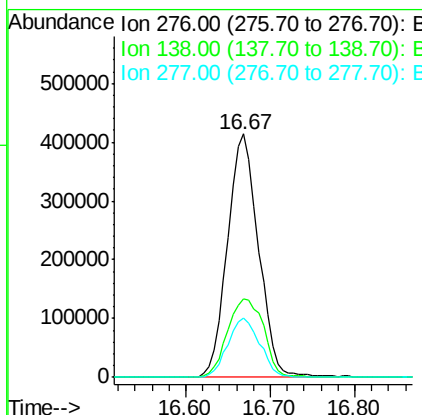
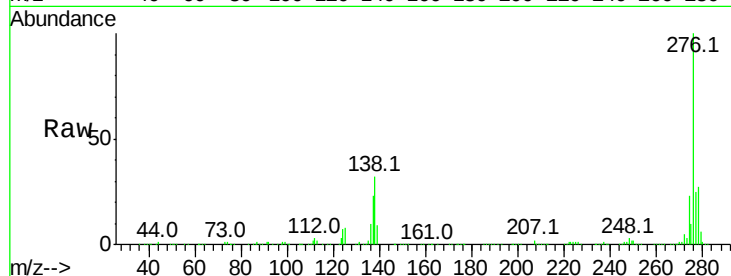


#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 44.255 ng  
 RT: 16.67 min Scan# 2479  
 Delta R.T. 0.01 min  
 Lab File: BF101948.D  
 Acq: 9 Jan 2018 13:03

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC050

Tot Ion:276 Resp: 1052454  

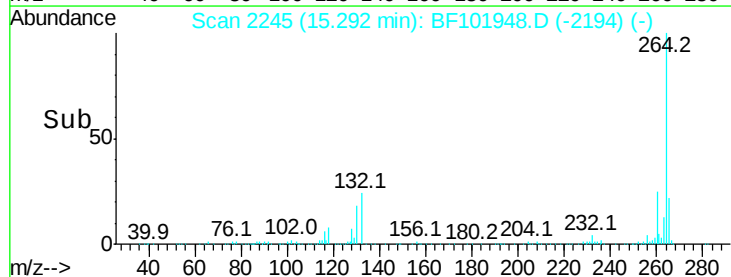
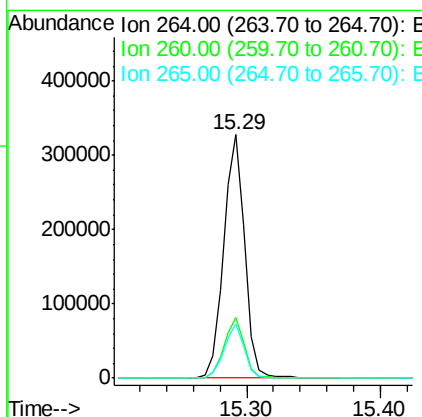
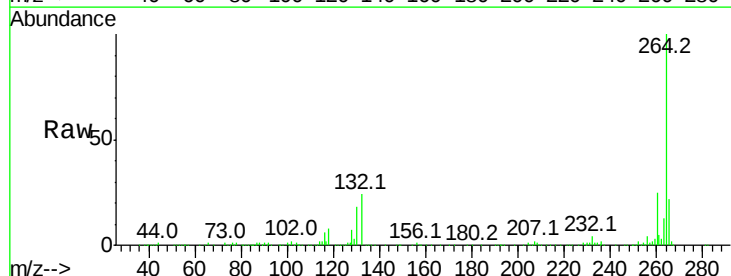
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 138 | 37.7  | 25.0  | 37.6# |
| 277 | 25.4  | 20.1  | 30.1  |

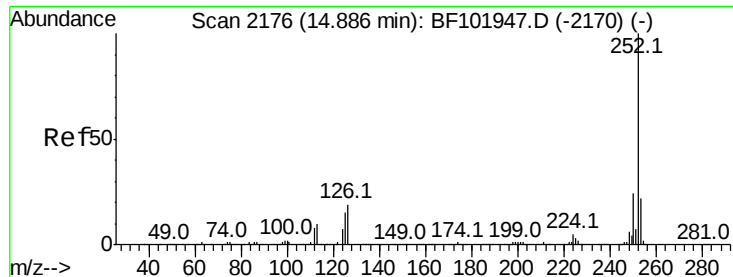


#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.29 min Scan# 2245  
 Delta R.T. -0.00 min  
 Lab File: BF101948.D  
 Acq: 9 Jan 2018 13:03

Tgt Ion:264 Resp: 362959  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.9  | 19.2  | 28.8  |
| 265 | 22.1  | 17.5  | 26.3  |





#87

Benzo(b)fluoranthene

Concen: 53.042 ng

RT: 14.89 min Scan# 2177

Delta R.T. 0.01 min

Lab File: BF101948.D

Acq: 9 Jan 2018 13:03

Instrument :

BNA\_F

ClientSampleId :

SSTDICC050

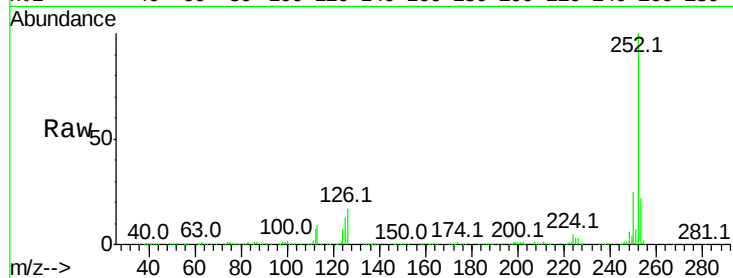
Tot Ion:252 Resp: 1173450

Ion Ratio Lower Upper

252 100

253 21.5 17.0 25.6

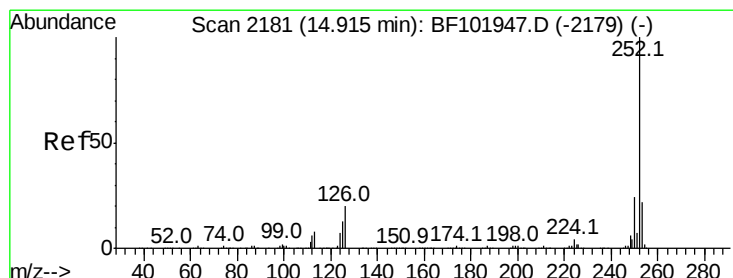
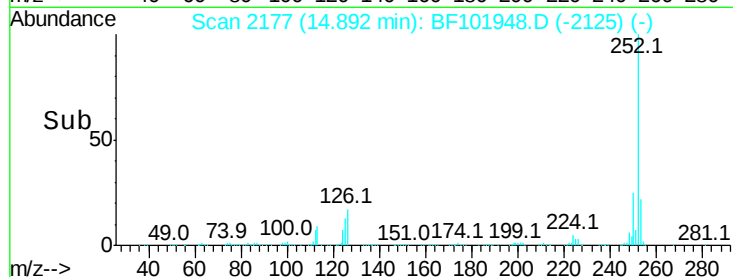
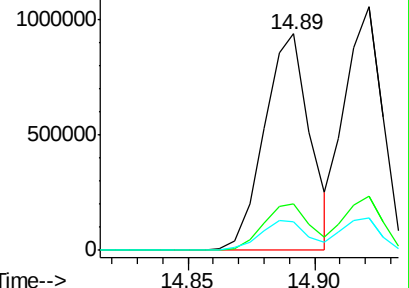
125 13.1 9.0 13.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 51.638 ng

RT: 14.92 min Scan# 2182

Delta R.T. 0.01 min

Lab File: BF101948.D

Acq: 9 Jan 2018 13:03

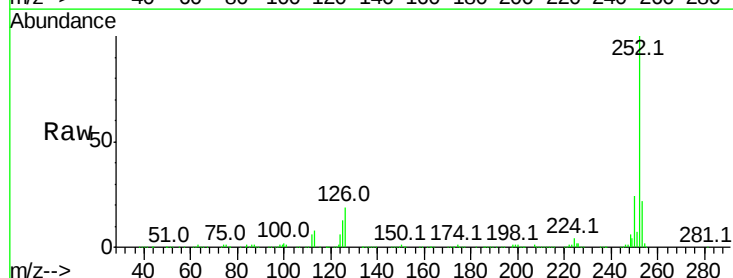
Tgt Ion:252 Resp: 1110726

Ion Ratio Lower Upper

252 100

253 22.1 17.9 26.9

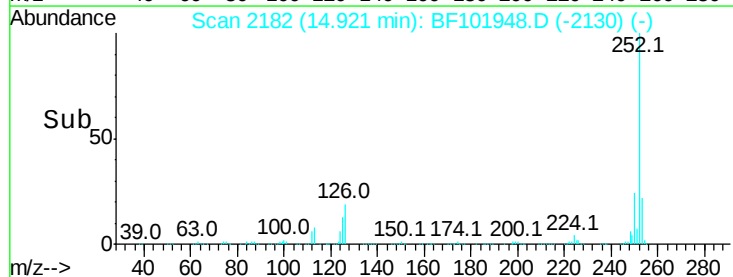
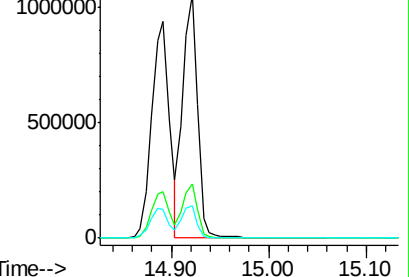
125 13.3 10.2 15.2

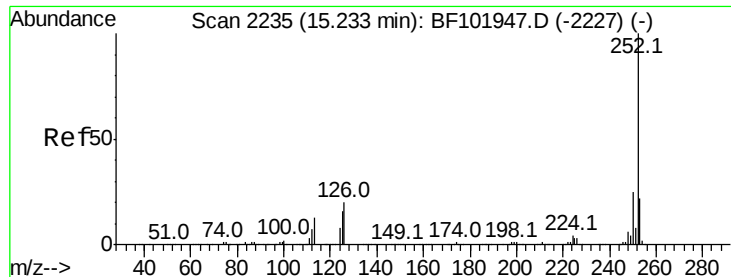


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 51.621 ng

RT: 15.24 min Scan# 2236

Delta R.T. 0.01 min

Lab File: BF101948.D

Acq: 9 Jan 2018 13:03

Instrument :

BNA\_F

ClientSampleId :

SSTDIC050

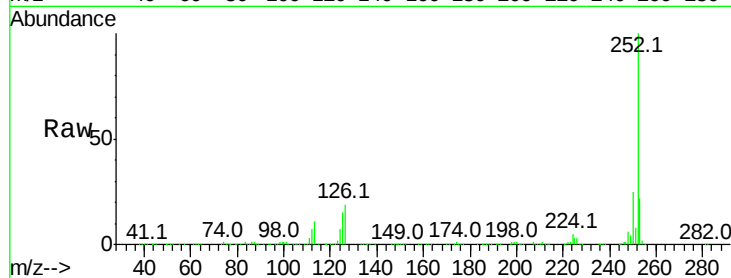
Tot Ion:252 Resp: 1052785

Ion Ratio Lower Upper

252 100

253 22.3 17.1 25.7

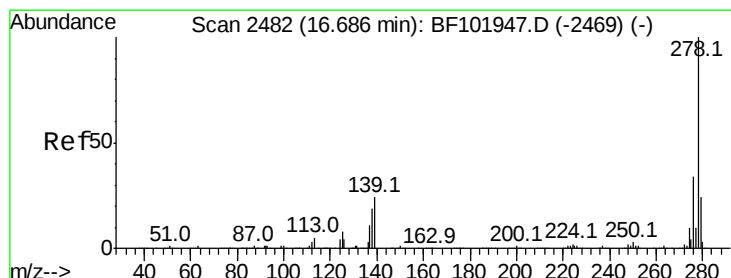
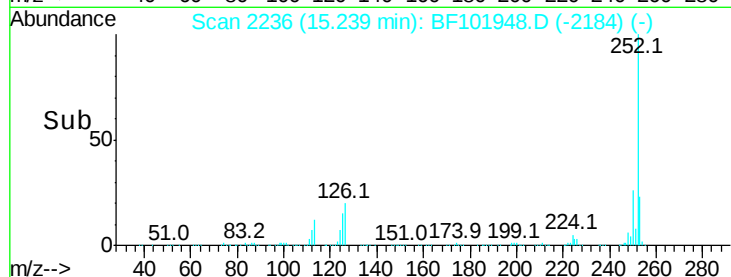
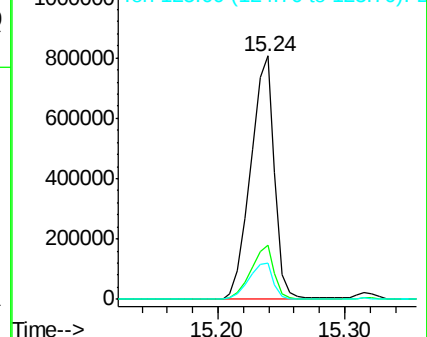
125 14.8 9.8 14.6#



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: 49.636 ng

RT: 16.69 min Scan# 2483

Delta R.T. 0.01 min

Lab File: BF101948.D

Acq: 9 Jan 2018 13:03

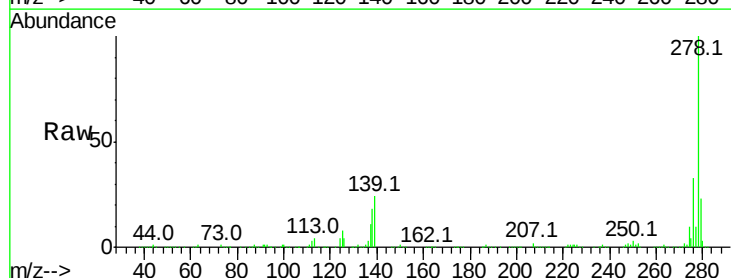
Tgt Ion:278 Resp: 869141

Ion Ratio Lower Upper

278 100

139 24.3 15.9 23.9#

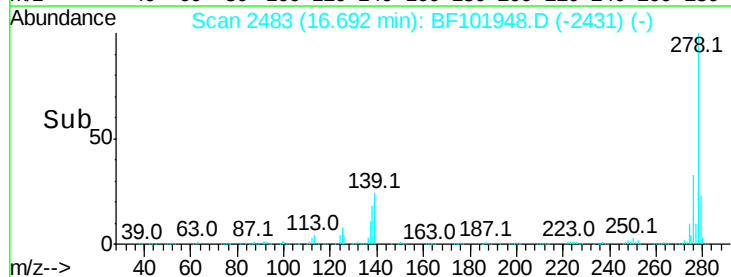
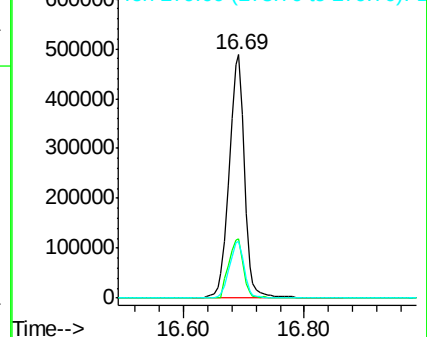
279 23.1 19.0 28.4

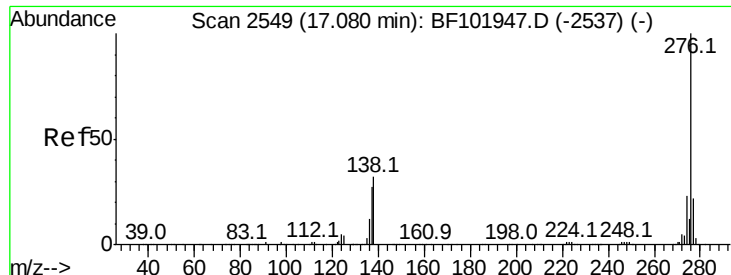


Abundance Ion 278.00 (277.70 to 278.70): E

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: 51.048 ng

RT: 17.09 min Scan# 2550

Delta R.T. 0.01 min

Lab File: BF101948.D

Acq: 9 Jan 2018 13:03

Instrument :

BNA\_F

ClientSampleId :

SSTDIC050

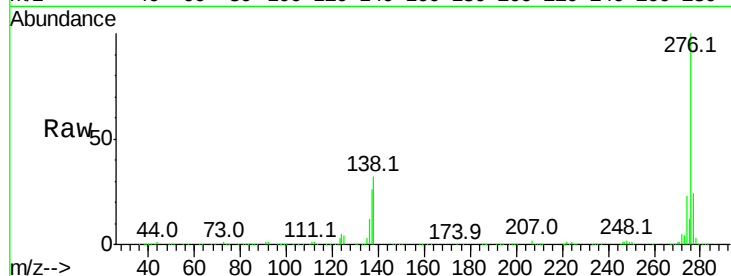
Tot Ion:276 Resp: 885115

Ion Ratio Lower Upper

276 100

277 23.9 17.9 26.9

138 32.3 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

