

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092618\  
 Data File : BF109331.D  
 Acq On : 26 Sep 2018 12:54  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Sep 26 14:07:39 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Sep 22 13:32:18 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.71  | 152  | 118099   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 7.99  | 136  | 470974   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.74  | 164  | 225679   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.22 | 188  | 436684   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 13.84 | 240  | 314032   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.24 | 264  | 266205   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |       |    |      |
|--------------------------|-------|-----|---------|-------|----|------|
| 5) 2-Fluorophenol        | 5.32  | 112 | 572314  | 79.82 | ng | 0.00 |
| 7) Phenol-d6             | 6.35  | 99  | 738030  | 80.66 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.27  | 82  | 672504  | 84.29 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.53 | 330 | 193523  | 86.99 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 9.07  | 172 | 1195569 | 79.90 | ng | 0.00 |
| 78) Terphenyl-d14        | 12.80 | 244 | 1044261 | 81.61 | ng | 0.00 |

## Target Compounds

|                                |      |     |        |        |    | Qvalue |
|--------------------------------|------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.38 | 88  | 132982 | 40.270 | ng | 92     |
| 3) Pyridine                    | 3.08 | 79  | 339533 | 39.949 | ng | 92     |
| 4) n-Nitrosodimethylamine      | 3.02 | 42  | 144279 | 39.889 | ng | # 97   |
| 6) Aniline                     | 6.37 | 93  | 467232 | 39.915 | ng | # 88   |
| 8) 2-Chlorophenol              | 6.49 | 128 | 320428 | 40.187 | ng | 99     |
| 9) Benzaldehyde                | 6.25 | 77  | 226187 | 38.483 | ng | 98     |
| 10) Phenol                     | 6.36 | 94  | 404212 | 39.011 | ng | # 72   |
| 11) bis(2-Chloroethyl)ether    | 6.45 | 93  | 319248 | 39.376 | ng | 98     |
| 12) 1,3-Dichlorobenzene        | 6.65 | 146 | 363452 | 39.590 | ng | 99     |
| 13) 1,4-Dichlorobenzene        | 6.73 | 146 | 366058 | 39.579 | ng | 98     |
| 14) 1,2-Dichlorobenzene        | 6.88 | 146 | 338578 | 39.684 | ng | 99     |
| 15) Benzyl Alcohol             | 6.85 | 79  | 282846 | 40.387 | ng | 97     |
| 16) 2,2'-oxybis(1-Chloropropan | 6.99 | 45  | 443471 | 38.562 | ng | 95     |
| 17) 2-Methylphenol             | 6.97 | 107 | 256696 | 39.787 | ng | 96     |
| 18) Hexachloroethane           | 7.22 | 117 | 132748 | 40.739 | ng | 97     |
| 19) n-Nitroso-di-n-propylamine | 7.13 | 70  | 233111 | 38.883 | ng | 95     |
| 20) 3+4-Methylphenols          | 7.12 | 107 | 306468 | 39.345 | ng | # 56   |
| 22) Acetophenone               | 7.12 | 105 | 422618 | 38.812 | ng | # 91   |
| 24) Nitrobenzene               | 7.29 | 77  | 345342 | 40.709 | ng | 99     |
| 25) Isophorone                 | 7.53 | 82  | 557591 | 38.811 | ng | 98     |
| 26) 2-Nitrophenol              | 7.61 | 139 | 167523 | 49.935 | ng | 98     |
| 27) 2,4-Dimethylphenol         | 7.65 | 122 | 250853 | 40.072 | ng | 99     |
| 28) bis(2-Chloroethoxy)methane | 7.75 | 93  | 374354 | 39.363 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 7.85 | 162 | 273617 | 41.601 | ng | 98     |
| 30) 1,2,4-Trichlorobenzene     | 7.93 | 180 | 292249 | 39.765 | ng | 99     |
| 31) Naphthalene                | 8.02 | 128 | 867208 | 39.403 | ng | 99     |
| 32) Benzoic acid               | 7.78 | 122 | 127284 | 32.481 | ng | 98     |
| 33) 4-Chloroaniline            | 8.06 | 127 | 385893 | 40.136 | ng | 98     |
| 34) Hexachlorobutadiene        | 8.14 | 225 | 176662 | 39.873 | ng | 99     |
| 35) Caprolactam                | 8.44 | 113 | 87274  | 41.561 | ng | # 86   |
| 36) 4-Chloro-3-methylphenol    | 8.55 | 107 | 283064 | 40.899 | ng | 98     |
| 37) 2-Methylnaphthalene        | 8.70 | 142 | 558896 | 39.393 | ng | 98     |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.87 | 216 | 286728 | 39.921 | ng | 97     |
| 40) Hexachlorocyclopentadiene  | 8.86 | 237 | 119092 | 38.016 | ng | 96     |

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 Data File : BF109331.D  
 Acq On : 26 Sep 2018 12:54  
 Operator : JU/SJ  
 Sample : SSTDC0040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

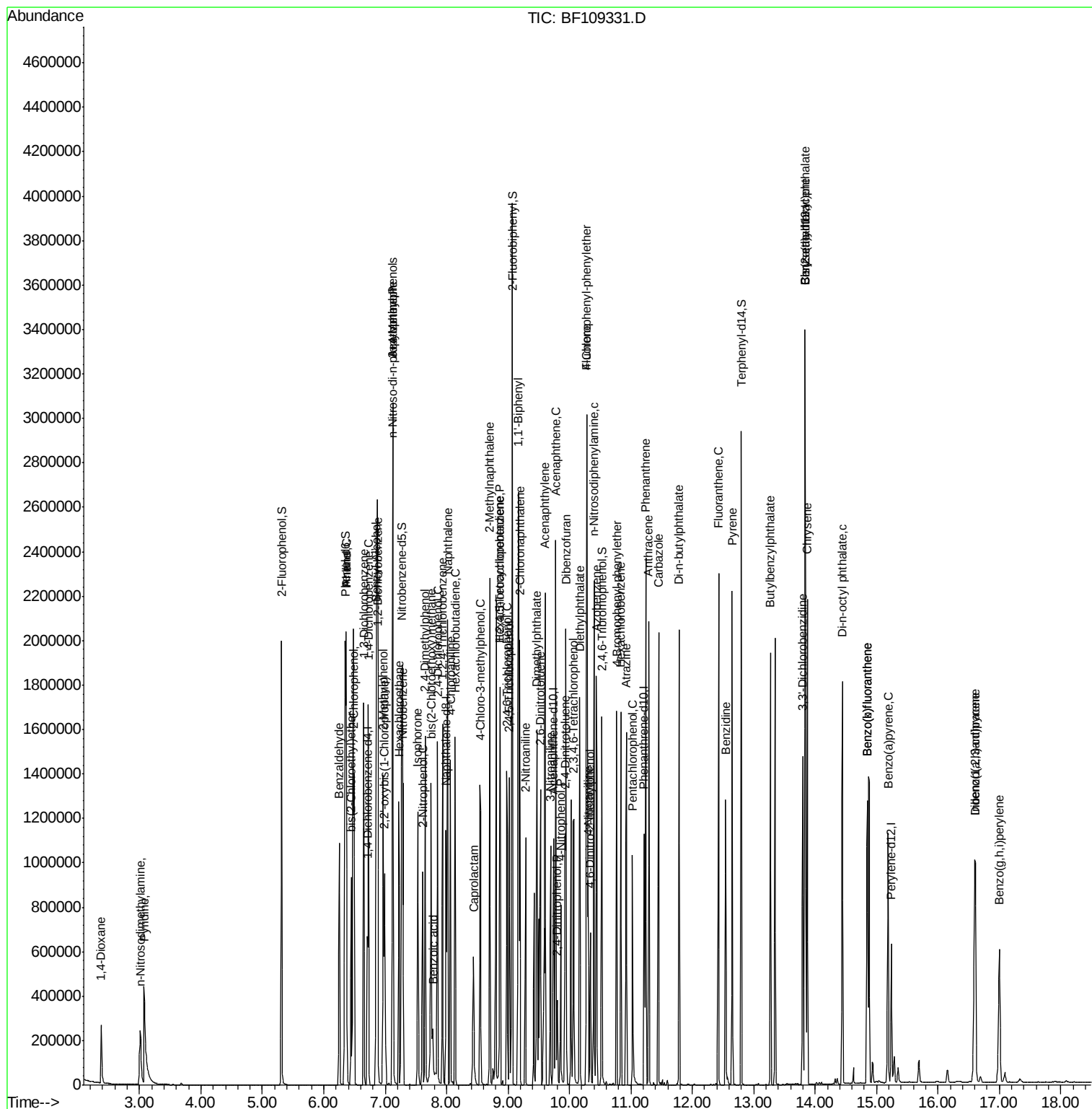
Instrument :  
 BNA\_F  
 ClientSampleId :

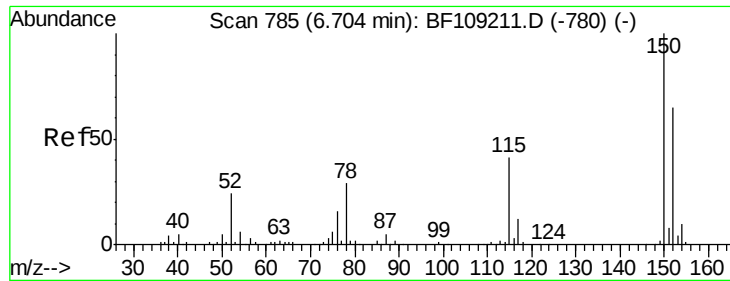
Quant Time: Sep 26 14:07:39 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Sep 22 13:32:18 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 8.98  | 196  | 193689   | 42.018 | nq    | 99       |
| 43) 2,4,5-Trichlorophenol      | 9.02  | 196  | 203982   | 41.899 | nq    | 96       |
| 45) 1,1'-Biphenyl              | 9.17  | 154  | 717463   | 39.019 | nq    | 99       |
| 46) 2-Chloronaphthalene        | 9.19  | 162  | 578898   | 39.409 | nq    | 98       |
| 47) 2-Nitroaniline             | 9.29  | 65   | 182283   | 43.768 | nq    | 97       |
| 48) Acenaphthylene             | 9.60  | 152  | 871935   | 39.347 | nq    | 99       |
| 49) Dimethylphthalate          | 9.47  | 163  | 647084   | 39.422 | nq    | 99       |
| 50) 2,6-Dinitrotoluene         | 9.53  | 165  | 147014   | 45.222 | nq    | 98       |
| 51) Acenaphthene               | 9.77  | 154  | 518325   | 38.687 | nq    | 98       |
| 52) 3-Nitroaniline             | 9.69  | 138  | 171949   | 45.673 | nq    | 93       |
| 53) 2,4-Dinitrophenol          | 9.80  | 184  | 48670    | 46.234 | nq    | # 16     |
| 54) Dibenzofuran               | 9.95  | 168  | 783213   | 39.308 | nq    | 96       |
| 55) 4-Nitrophenol              | 9.86  | 139  | 116718   | 41.155 | nq    | 99       |
| 56) 2,4-Dinitrotoluene         | 9.93  | 165  | 192657   | 46.837 | nq    | # 90     |
| 57) Fluorene                   | 10.29 | 166  | 550804   | 38.744 | nq    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.07 | 232  | 162405   | 42.131 | nq    | 91       |
| 59) Diethylphthalate           | 10.17 | 149  | 645708   | 38.847 | nq    | 97       |
| 60) 4-Chlorophenyl-phenylether | 10.28 | 204  | 288506   | 38.854 | nq    | 96       |
| 61) 4-Nitroaniline             | 10.30 | 138  | 165145   | 44.980 | nq    | 98       |
| 62) Azobenzene                 | 10.44 | 77   | 658688   | 38.141 | nq    | 97       |
| 64) 4,6-Dinitro-2-methylphenol | 10.34 | 198  | 79841    | 45.996 | nq    | 91       |
| 65) n-Nitrosodiphenylamine     | 10.40 | 169  | 574481   | 39.817 | nq    | 95       |
| 66) 4-Bromophenyl-phenylether  | 10.77 | 248  | 195827   | 40.383 | nq    | # 87     |
| 67) Hexachlorobenzene          | 10.84 | 284  | 210331   | 40.840 | nq    | # 90     |
| 68) Atrazine                   | 10.93 | 200  | 180433   | 40.663 | nq    | 98       |
| 69) Pentachlorophenol          | 11.03 | 266  | 130735   | 42.413 | nq    | 99       |
| 70) Phenanthrene               | 11.25 | 178  | 859306   | 39.411 | nq    | 99       |
| 71) Anthracene                 | 11.30 | 178  | 865408   | 39.133 | nq    | 99       |
| 72) Carbazole                  | 11.45 | 167  | 858534   | 39.019 | nq    | 99       |
| 73) Di-n-butylphthalate        | 11.79 | 149  | 987187   | 38.973 | nq    | 99       |
| 74) Fluoranthene               | 12.43 | 202  | 900776   | 38.659 | nq    | 96       |
| 76) Benzidine                  | 12.55 | 184  | 475558   | 42.002 | nq    | 99       |
| 77) Pyrene                     | 12.65 | 202  | 923445   | 41.031 | nq    | 100      |
| 79) Butylbenzylphthalate       | 13.27 | 149  | 408350   | 42.647 | nq    | 96       |
| 80) Benzo(a)anthracene         | 13.83 | 228  | 717214   | 37.917 | nq    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 13.80 | 252  | 283243   | 39.402 | nq    | 98       |
| 82) Chrysene                   | 13.87 | 228  | 718587   | 38.329 | nq    | 100      |
| 83) Bis(2-ethylhexyl)phthalate | 13.84 | 149  | 481216   | 39.850 | nq    | 99       |
| 84) Di-n-octyl phthalate       | 14.44 | 149  | 810207   | 39.241 | nq    | 98       |
| 85) Indeno(1,2,3-cd)pyrene     | 16.60 | 276  | 560660   | 36.895 | nq    | # 93     |
| 87) Benzo(b)fluoranthene       | 14.85 | 252  | 598238   | 40.897 | nq    | 98       |
| 88) Benzo(k)fluoranthene       | 14.85 | 252  | 598238   | 43.099 | nq    | 98       |
| 89) Benzo(a)pyrene             | 15.19 | 252  | 533486   | 40.474 | nq    | 99       |
| 90) Dibenzo(a,h)anthracene     | 16.61 | 278  | 461877   | 42.713 | nq    | 96       |
| 91) Benzo(g,h,i)perylene       | 17.00 | 276  | 474429   | 44.641 | nq    | # 92     |

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

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QLast Update : Sat Sep 22 13:32:18 2018  
Response via : Initial Calibration



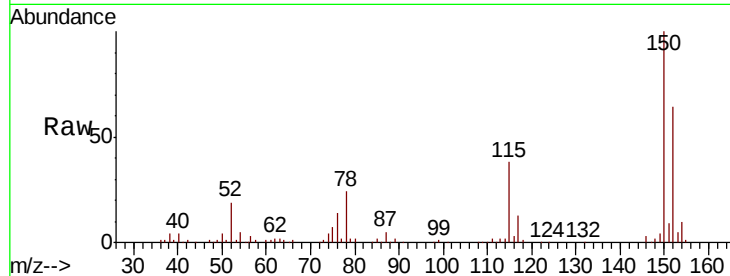


#1

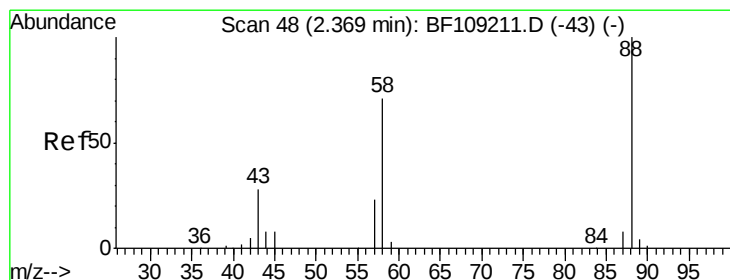
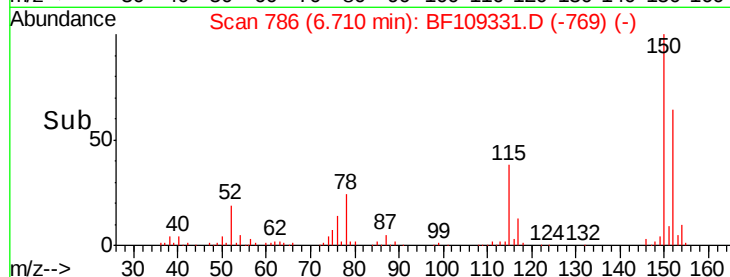
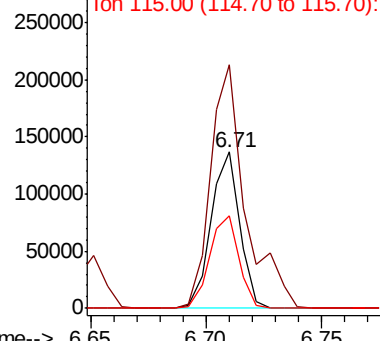
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.71 min Scan# 786  
Delta R.T. 0.00 min  
Lab File: BF109331.D  
Acq: 26 Sep 2018 12:54

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:152 Resp: 118099  
Ion Ratio Lower Upper  
152 100  
150 155.6 124.6 186.8  
115 59.2 50.1 75.1



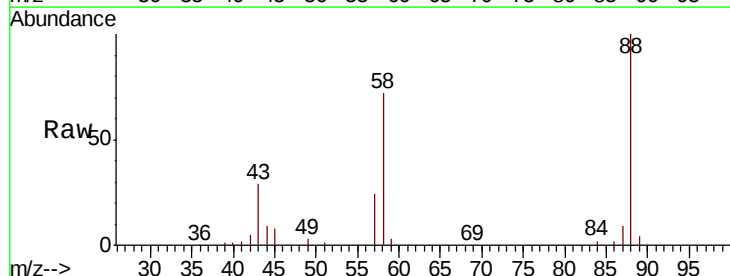
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



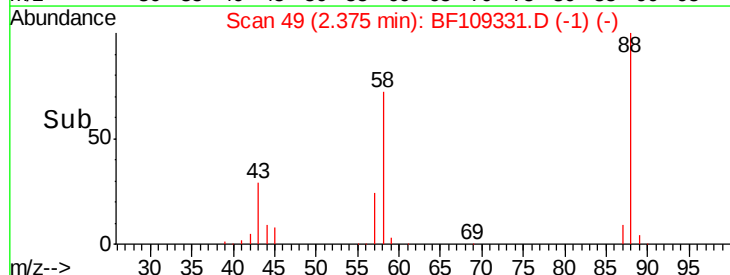
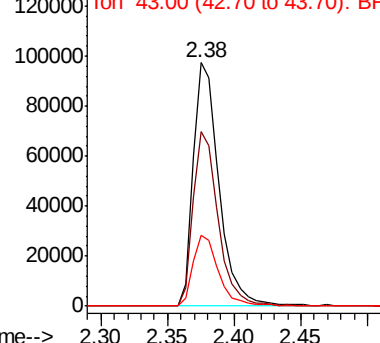
#2

1,4-Dioxane  
Concen: 40.270 ng  
RT: 2.38 min Scan# 49  
Delta R.T. 0.01 min  
Lab File: BF109331.D  
Acq: 26 Sep 2018 12:54

Tgt Ion: 88 Resp: 132982  
Ion Ratio Lower Upper  
88 100  
58 69.7 62.6 93.8  
43 29.0 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: 39.949 ng

RT: 3.08 min Scan# 168

Delta R.T. 0.01 min

Lab File: BF109331.D

Acq: 26 Sep 2018 12:54

Instrument :

BNA\_F

ClientSampleId :

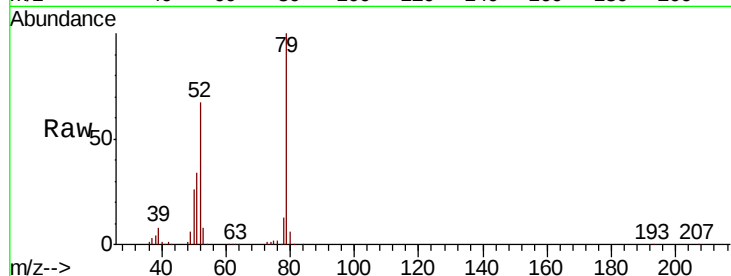
Tot Ion: 79 Resp: 339533

Ion Ratio Lower Upper

79 100

52 67.4 59.8 89.6

51 34.0 29.8 44.8



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

200000

150000

100000

50000

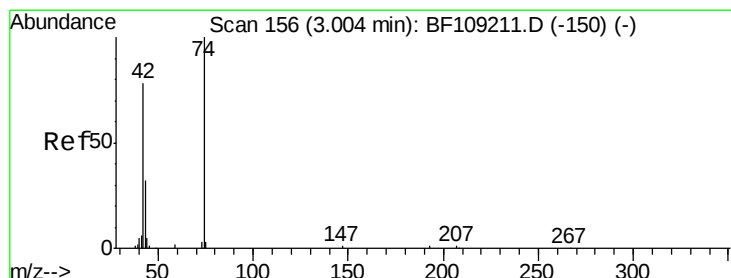
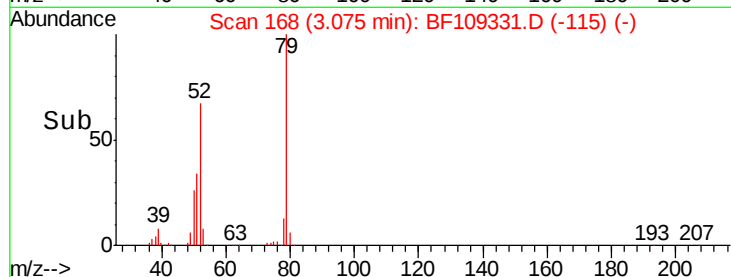
0

3.08

3.20

3.40

Time-->



#4

n-Nitrosodimethylamine

Concen: 39.889 ng

RT: 3.02 min Scan# 158

Delta R.T. -0.01 min

Lab File: BF109331.D

Acq: 26 Sep 2018 12:54

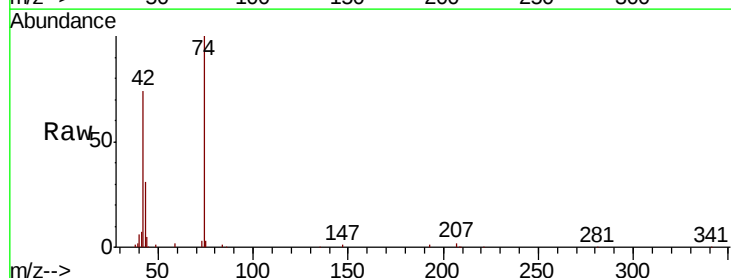
Tgt Ion: 42 Resp: 144279

Ion Ratio Lower Upper

42 100

74 134.7 104.9 157.3

44 6.8 6.9 10.3#



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

100000

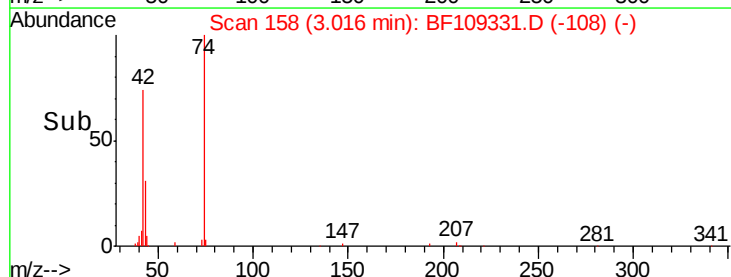
50000

0

3.02

3.10

Time-->





#5

2-Fluorophenol

Concen: 79.818 ng

RT: 5.32 min Scan# 549

Delta R.T. 0.00 min

Lab File: BF109331.D

Acq: 26 Sep 2018 12:54

Instrument :

BNA\_F

ClientSampleId :

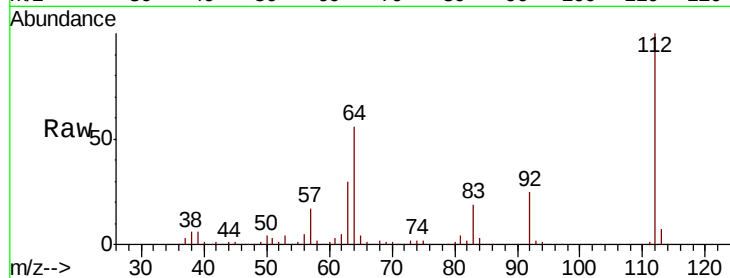
Tot Ion: 112 Resp: 572314

Ion Ratio Lower Upper

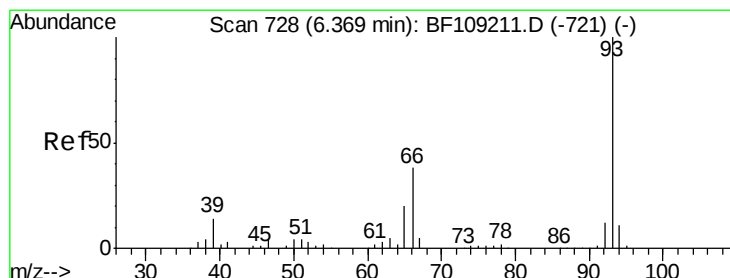
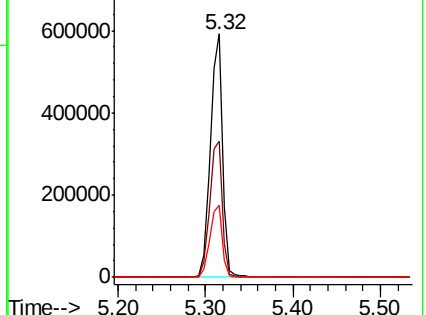
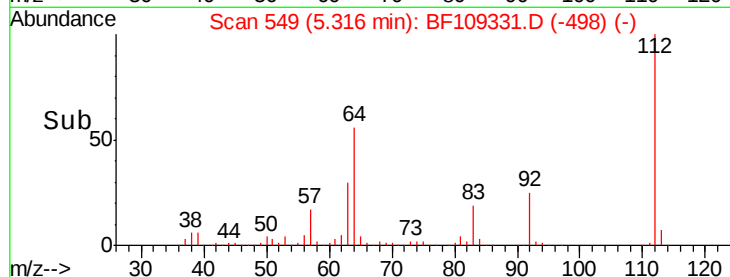
112 100

64 55.8 47.9 71.9

63 29.9 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): BF1  
Ion 64.00 (63.70 to 64.70): BF1  
Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 39.915 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF109331.D

Acq: 26 Sep 2018 12:54

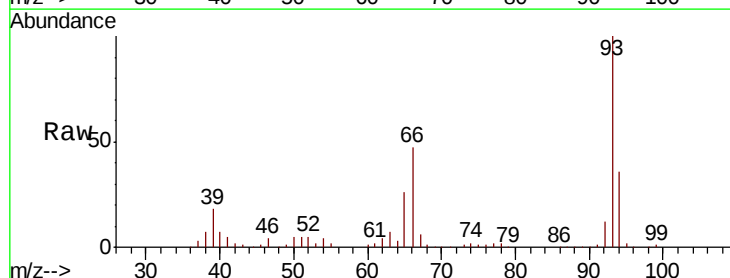
Tgt Ion: 93 Resp: 467232

Ion Ratio Lower Upper

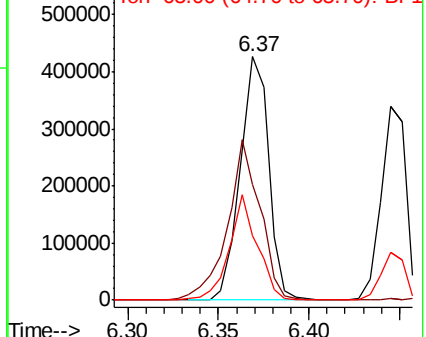
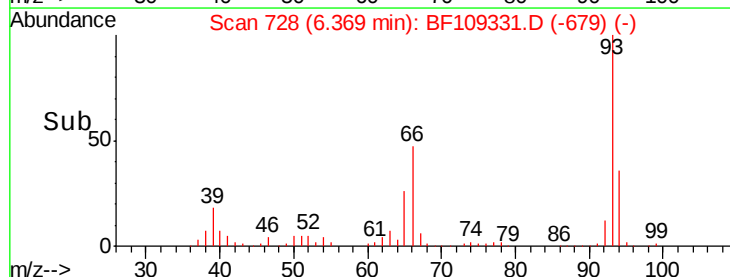
93 100

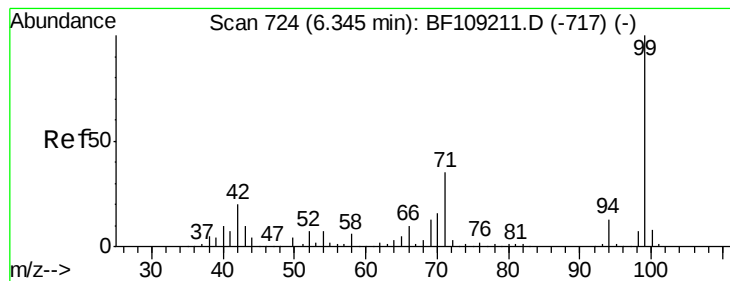
66 47.3 32.2 48.2

65 26.5 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: 80.664 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF109331.D

Acq: 26 Sep 2018 12:54

Instrument :

BNA\_F

ClientSampleId :

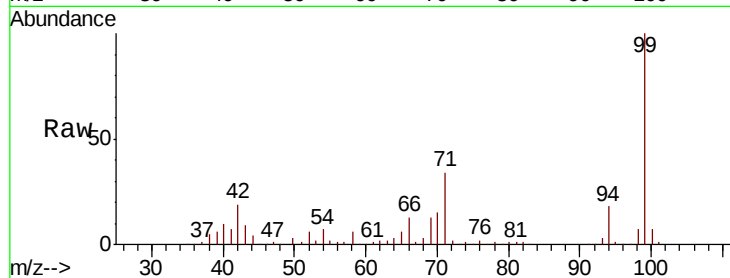
Tot Ion: 99 Resp: 738030

Ion Ratio Lower Upper

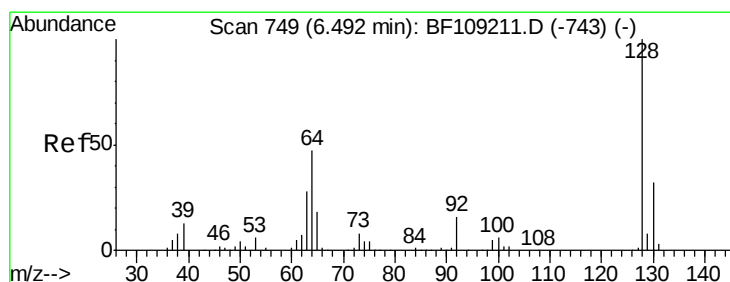
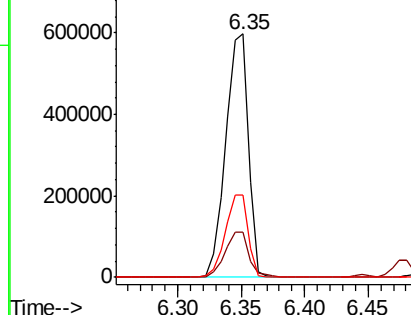
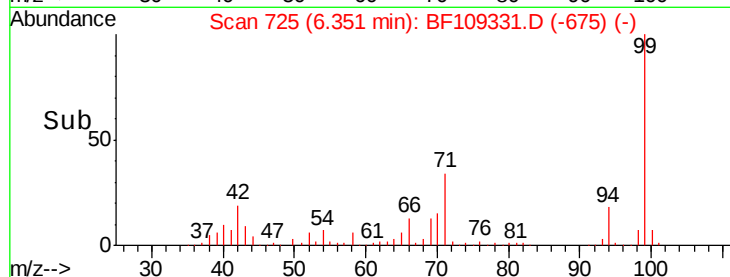
99 100

42 18.5 14.5 21.7

71 33.8 25.4 38.0



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



#8

2-Chlorophenol

Concen: 40.187 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF109331.D

Acq: 26 Sep 2018 12:54

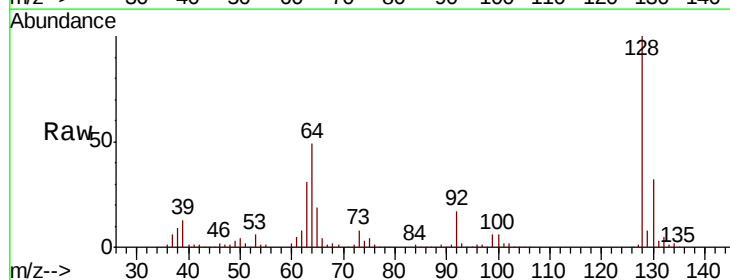
Tgt Ion: 128 Resp: 320428

Ion Ratio Lower Upper

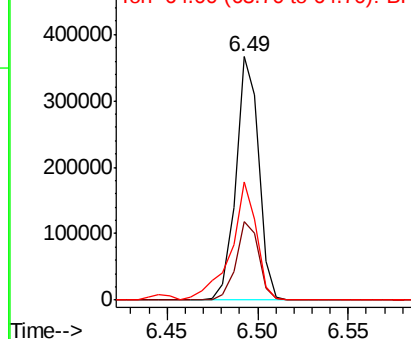
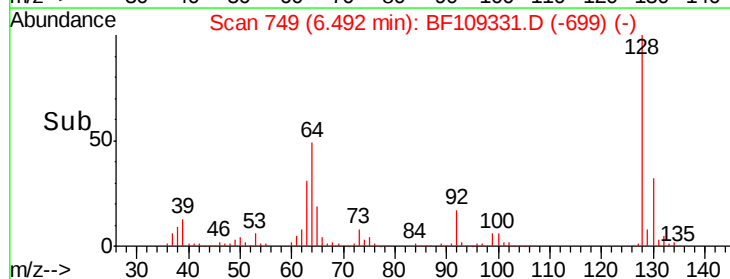
128 100

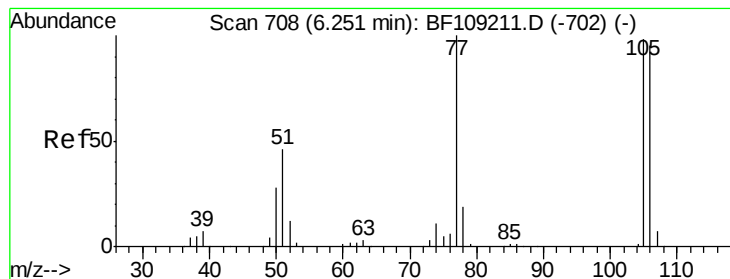
130 32.4 13.0 53.0

64 48.6 29.4 69.4



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





#9

Benzaldehyde

Concen: 38.483 ng

RT: 6.25 min Scan# 708

Delta R.T. 0.00 min

Lab File: BF109331.D

Acq: 26 Sep 2018 12:54

Instrument :

BNA\_F

ClientSampleId :

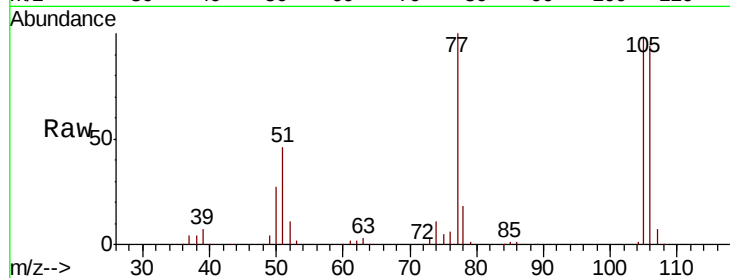
Tot Ion: 77 Resp: 226187

Ion Ratio Lower Upper

77 100

105 98.4 81.1 121.1

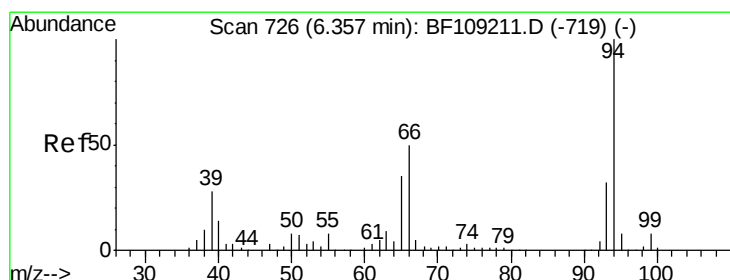
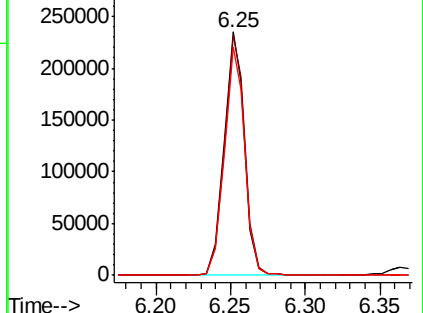
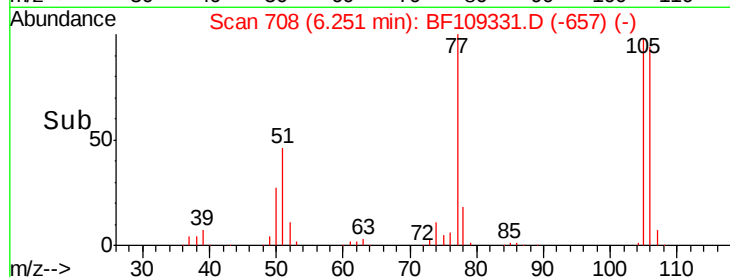
106 93.9 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 39.011 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF109331.D

Acq: 26 Sep 2018 12:54

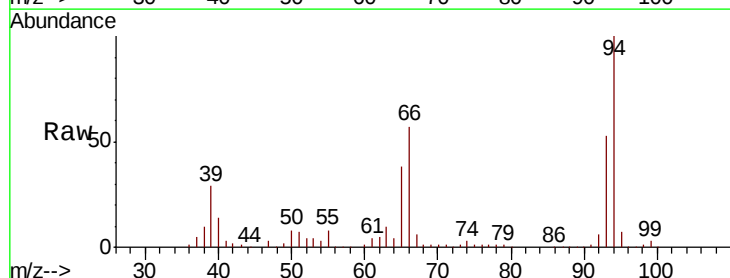
Tgt Ion: 94 Resp: 404212

Ion Ratio Lower Upper

94 100

65 37.6 7.9 47.9

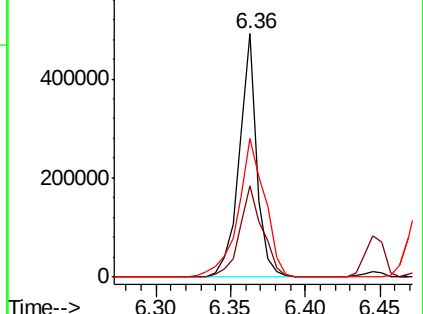
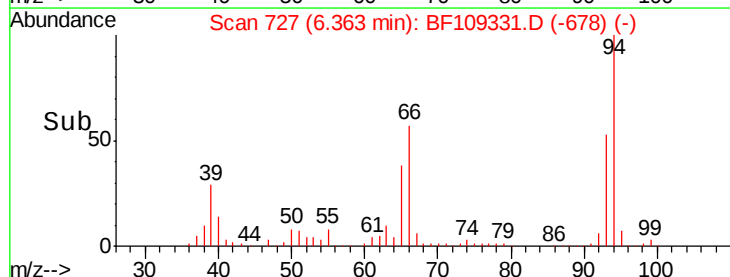
66 57.1 16.2 56.2#

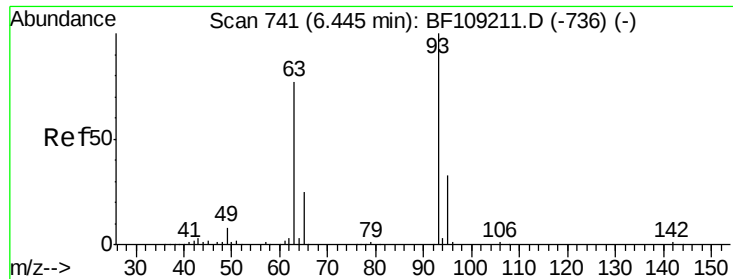


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

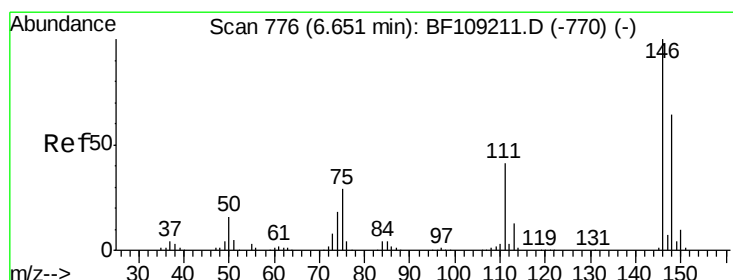
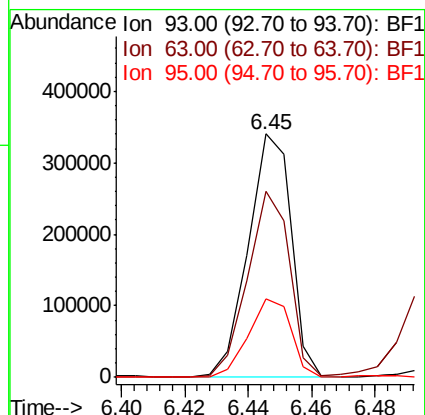
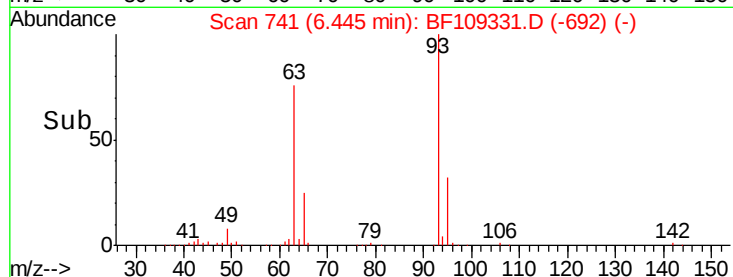
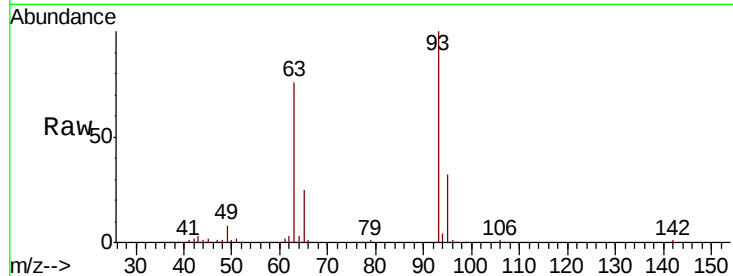




#11  
 bis(2-Chloroethyl)ether  
 Concen: 39.376 ng  
 RT: 6.45 min Scan# 741  
 Delta R.T. -0.01 min  
 Lab File: BF109331.D  
 Acq: 26 Sep 2018 12:54

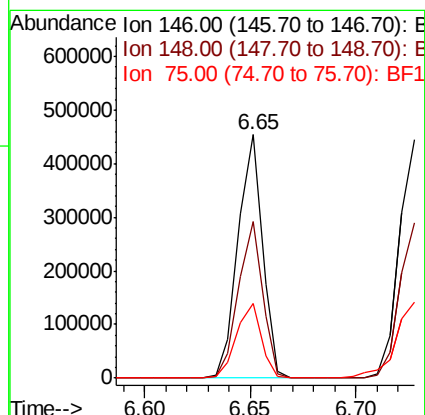
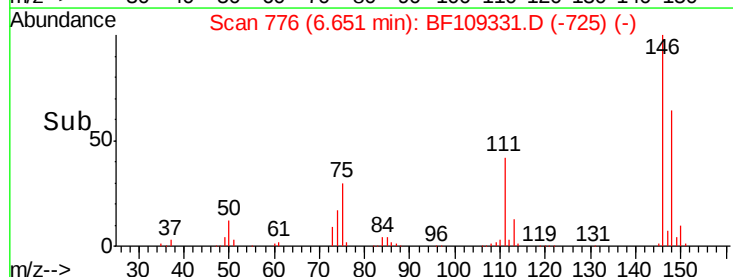
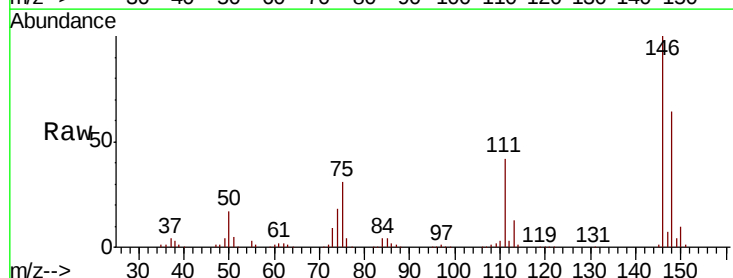
Instrument :  
 BNA\_F  
 ClientSampleId :

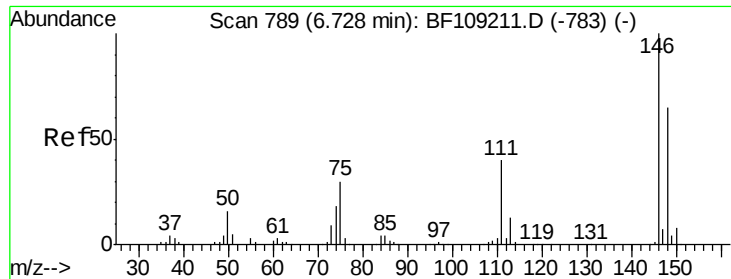
Tot Ion: 93 Resp: 319248  
 Ion Ratio Lower Upper  
 93 100  
 63 76.4 58.6 98.6  
 95 32.1 11.8 51.8



#12  
 1,3-Dichlorobenzene  
 Concen: 39.590 ng  
 RT: 6.65 min Scan# 776  
 Delta R.T. 0.00 min  
 Lab File: BF109331.D  
 Acq: 26 Sep 2018 12:54

Tgt Ion: 146 Resp: 363452  
 Ion Ratio Lower Upper  
 146 100  
 148 64.1 51.8 77.8  
 75 30.7 24.2 36.4

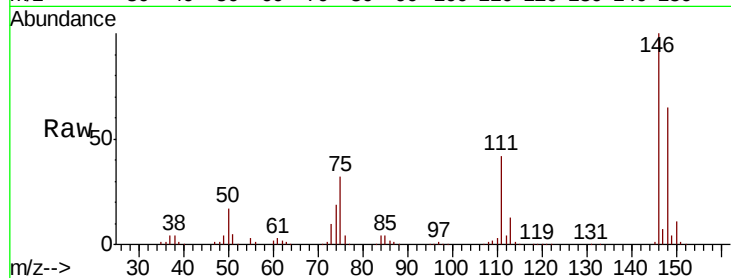




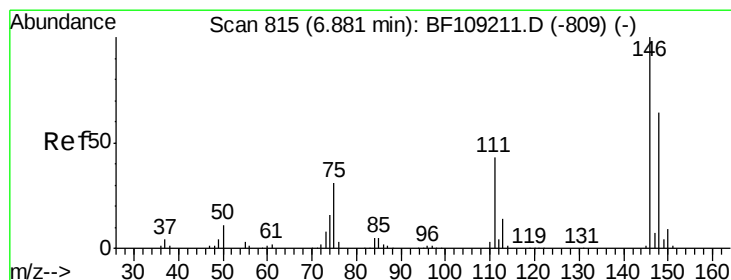
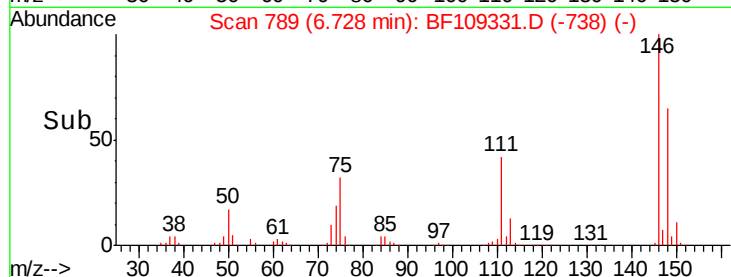
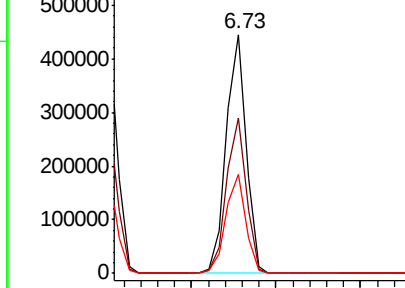
#13  
 1,4-Dichlorobenzene  
 Concen: 39.579 ng  
 RT: 6.73 min Scan# 789  
 Delta R.T. 0.00 min  
 Lab File: BF109331.D  
 Acq: 26 Sep 2018 12:54

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:146 Resp: 366058  
 Ion Ratio Lower Upper  
 146 100  
 148 64.9 50.8 76.2  
 111 41.6 34.2 51.2

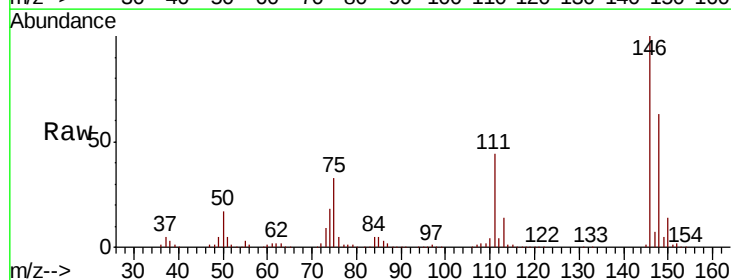


Abundance Ion 146.00 (145.70 to 146.70): E  
 Ion 148.00 (147.70 to 148.70): E  
 Ion 111.00 (110.70 to 111.70): E

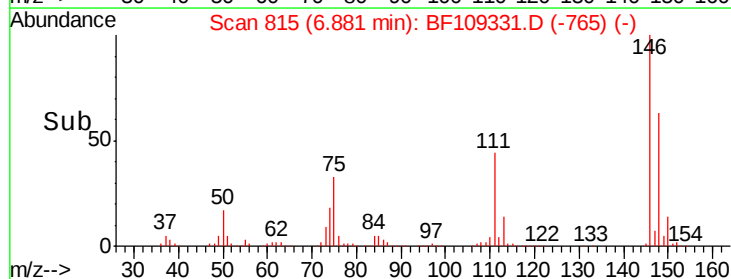
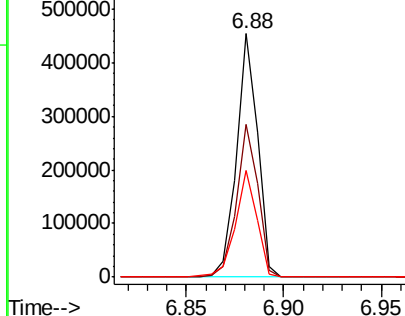


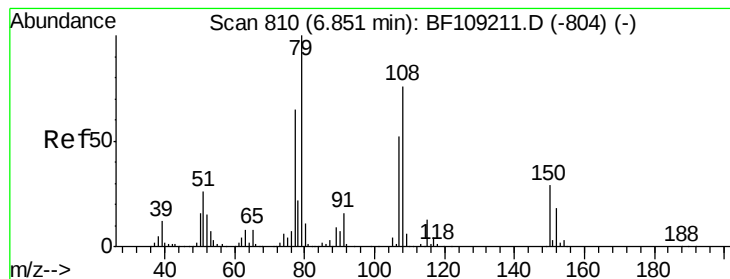
#14  
 1,2-Dichlorobenzene  
 Concen: 39.684 ng  
 RT: 6.88 min Scan# 815  
 Delta R.T. -0.01 min  
 Lab File: BF109331.D  
 Acq: 26 Sep 2018 12:54

Tgt Ion:146 Resp: 338578  
 Ion Ratio Lower Upper  
 146 100  
 148 62.6 50.6 75.8  
 111 43.6 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: 40.387 ng

RT: 6.85 min Scan# 810

Delta R.T. -0.01 min

Lab File: BF109331.D

Acq: 26 Sep 2018 12:54

Instrument :

BNA\_F

ClientSampleId :

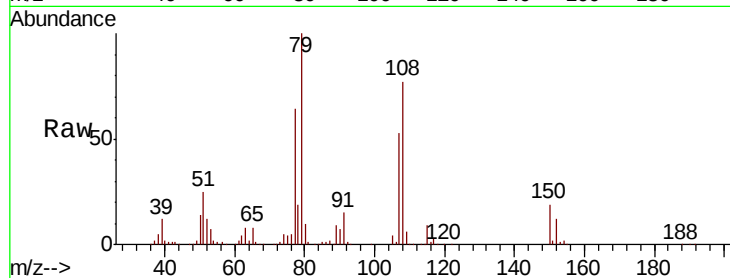
Tot Ion: 79 Resp: 282846

Ion Ratio Lower Upper

79 100

108 76.9 65.1 97.7

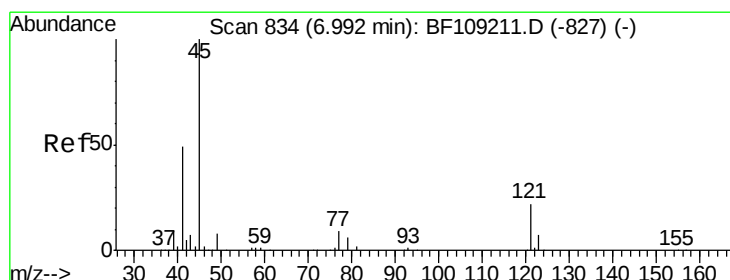
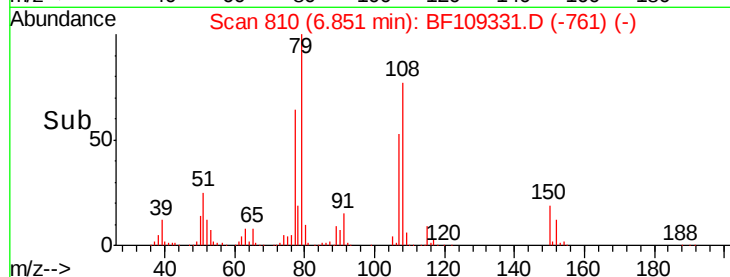
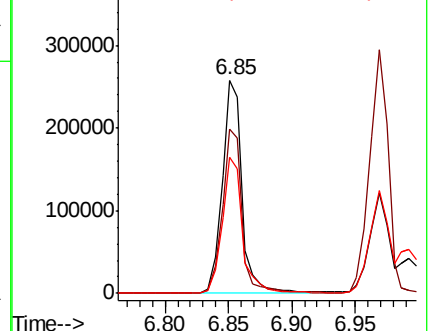
77 63.5 50.6 75.8



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



#16

2,2'-oxybis(1-Chloropropane)

Concen: 38.562 ng

RT: 6.99 min Scan# 834

Delta R.T. -0.01 min

Lab File: BF109331.D

Acq: 26 Sep 2018 12:54

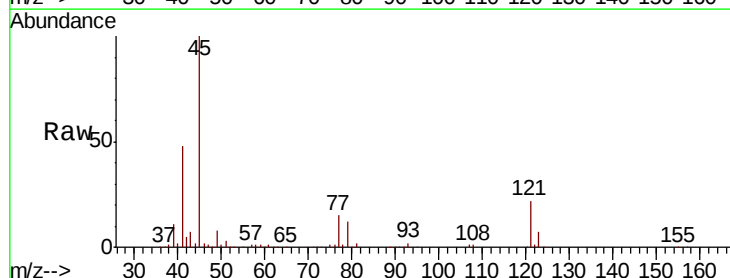
Tgt Ion: 45 Resp: 443471

Ion Ratio Lower Upper

45 100

77 14.9 0.0 32.9

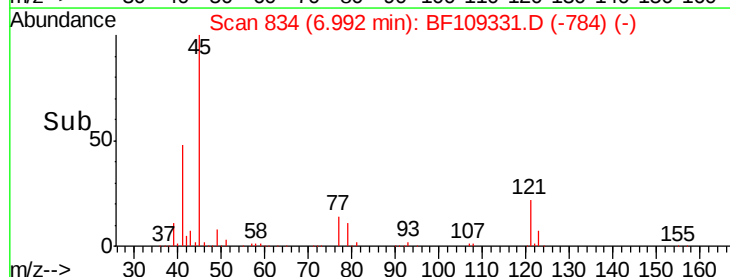
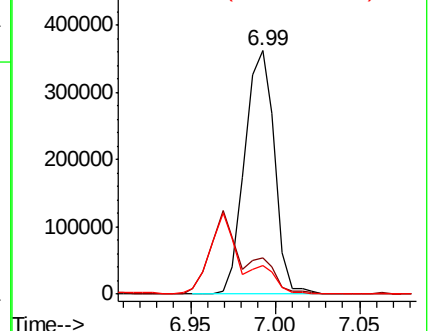
79 11.7 0.0 29.6

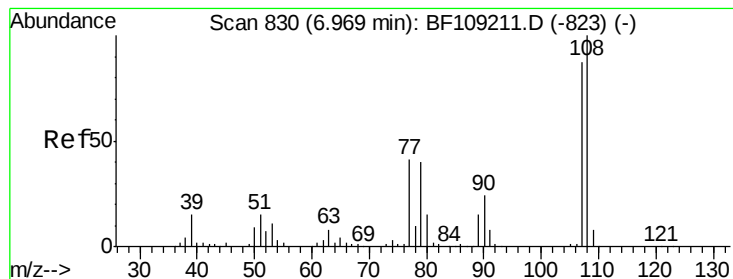


Abundance Ion 45.00 (44.70 to 45.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1

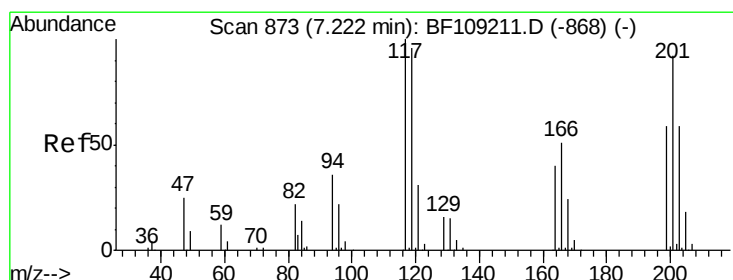
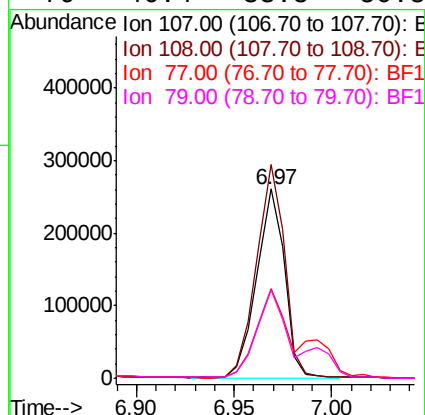
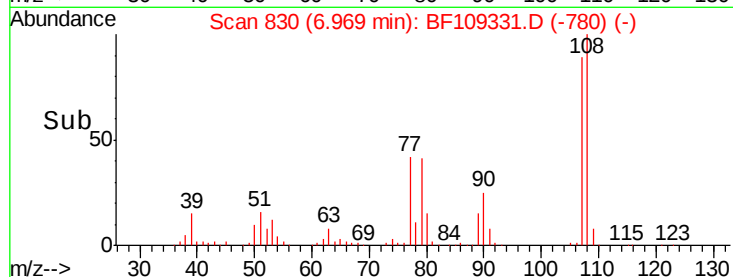
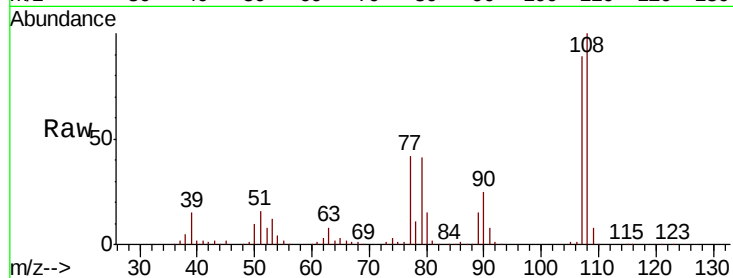




#17  
2-Methylphenol  
Concen: 39.787 ng  
RT: 6.97 min Scan# 830  
Delta R.T. -0.01 min  
Lab File: BF109331.D  
Acq: 26 Sep 2018 12:54

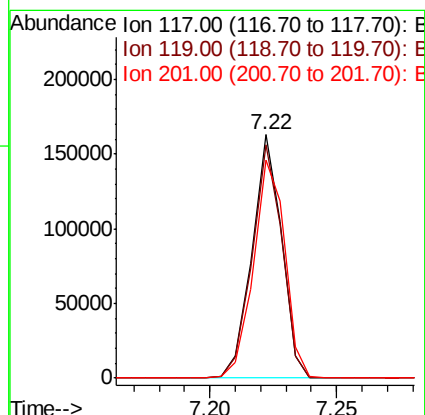
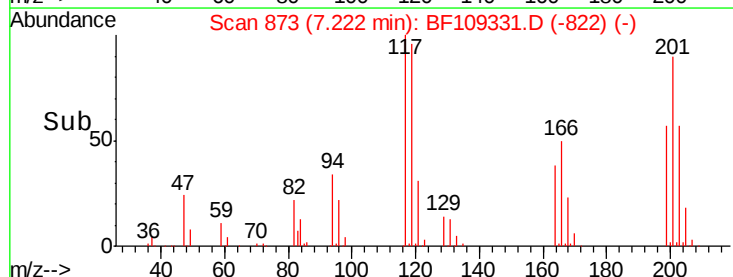
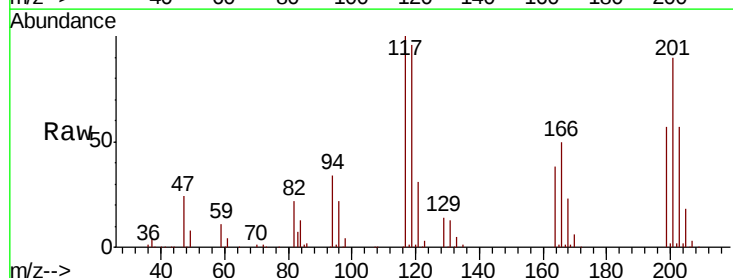
Instrument :  
BNA\_F  
ClientSampleId :

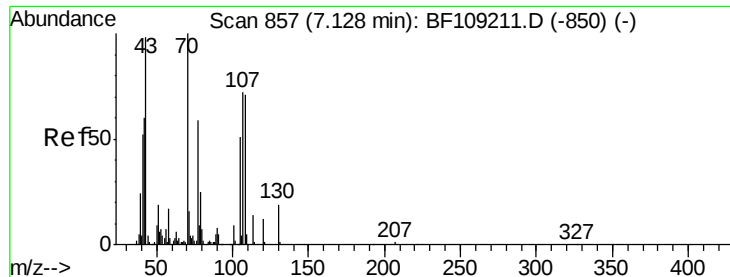
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 107   | Resp: | 256696 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 112.8 | 91.7  | 137.5  |
| 77       | 47.6  | 33.8  | 50.8   |
| 79       | 46.4  | 33.8  | 50.8   |



#18  
Hexachloroethane  
Concen: 40.739 ng  
RT: 7.22 min Scan# 873  
Delta R.T. 0.00 min  
Lab File: BF109331.D  
Acq: 26 Sep 2018 12:54

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 132748 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 96.1  | 75.8  | 113.8  |
| 201      | 89.8  | 75.7  | 113.5  |

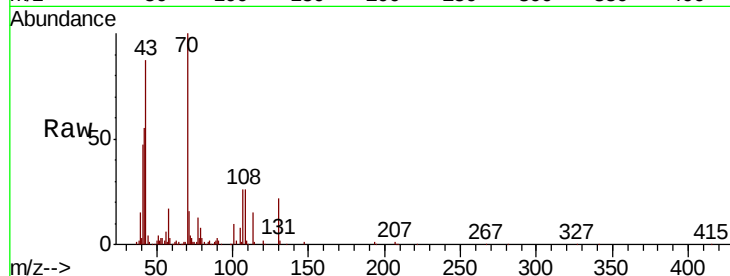




#19  
n-Nitroso-di-n-propylamine  
Concen: 38.883 ng  
RT: 7.13 min Scan# 858  
Delta R.T. -0.01 min  
Lab File: BF109331.D  
Acq: 26 Sep 2018 12:54

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 54.8  | 47.5  | 71.3  |
| 101     | 10.2  | 7.4   | 11.2  |
| 130     | 21.8  | 16.6  | 25.0  |



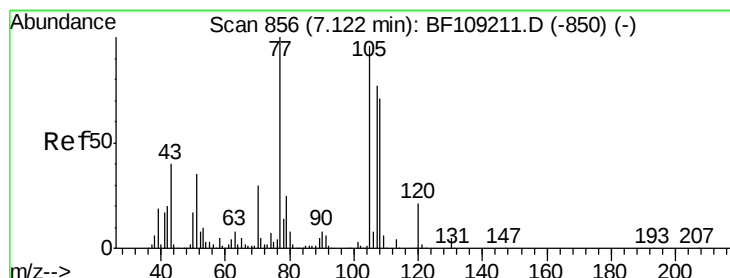
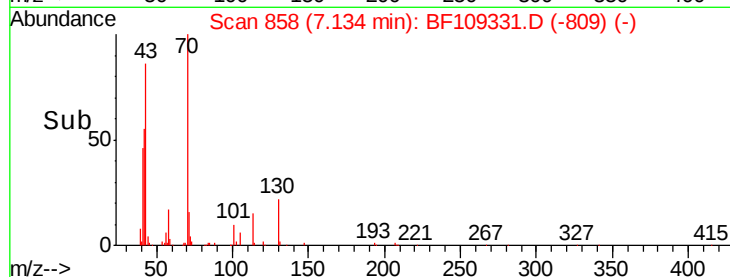
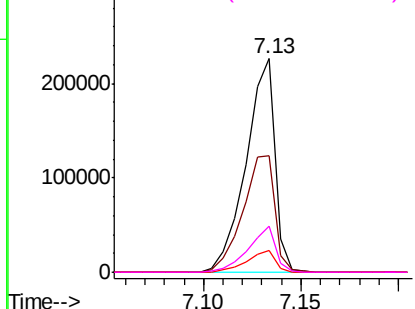
Abundance

Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



#20  
3+4-Methylphenols  
Concen: 39.345 ng  
RT: 7.12 min Scan# 856  
Delta R.T. -0.01 min  
Lab File: BF109331.D  
Acq: 26 Sep 2018 12:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 87.9  | 68.2  | 108.2 |
| 77      | 145.3 | 26.7  | 66.7# |
| 79      | 28.7  | 6.3   | 46.3  |

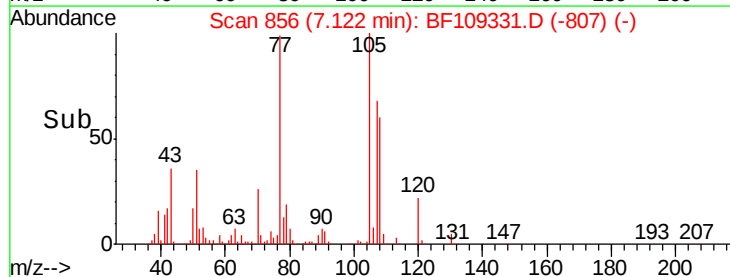
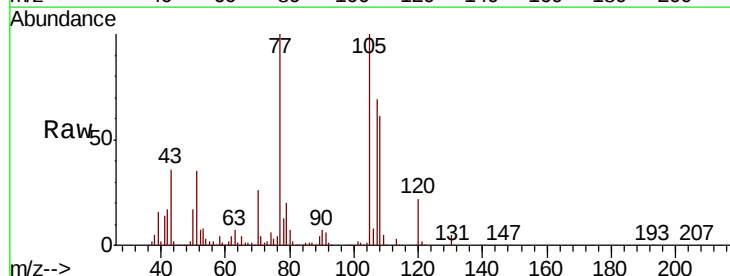
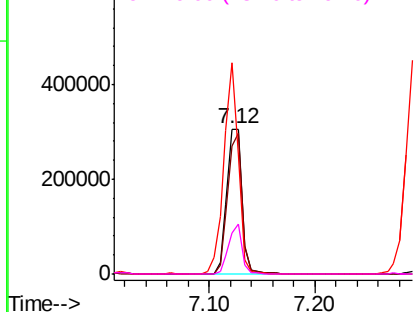
Abundance

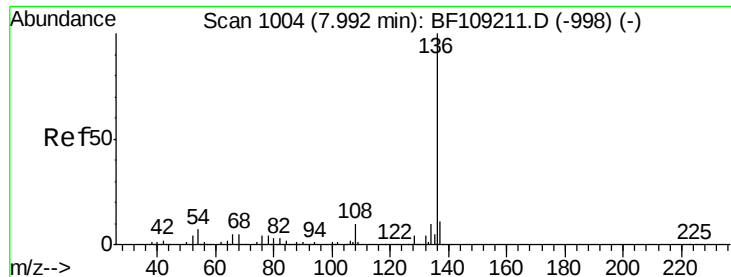
Ion 107.00 (106.70 to 107.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.99 min Scan# 1004

Delta R.T. 0.00 min

Lab File: BF109331.D

Acq: 26 Sep 2018 12:54

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:136 Resp: 470974

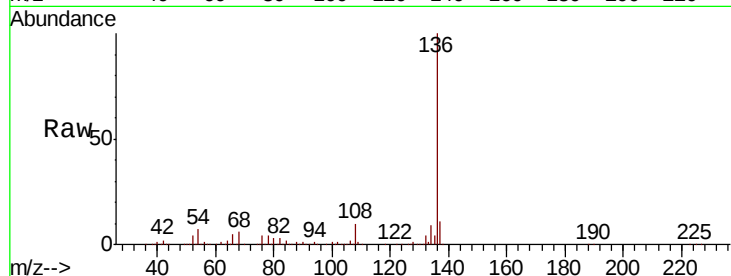
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 6.6 6.6 9.8

68 5.5 5.0 7.4

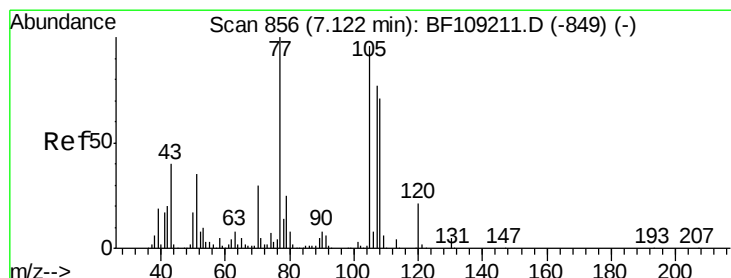
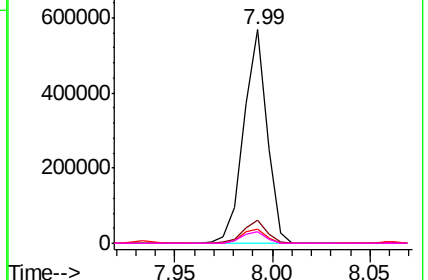
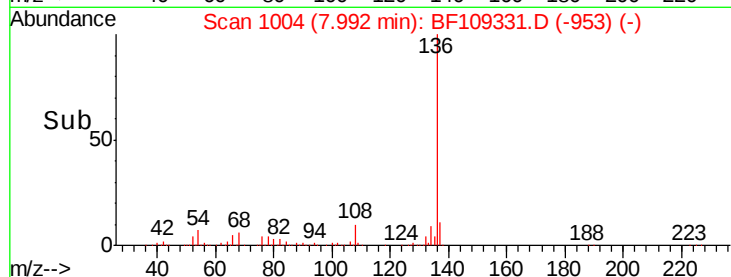


Abundance Ion 136.00 (135.70 to 136.70): E

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: 38.812 ng

RT: 7.12 min Scan# 856

Delta R.T. -0.01 min

Lab File: BF109331.D

Acq: 26 Sep 2018 12:54

Tgt Ion:105 Resp: 422618

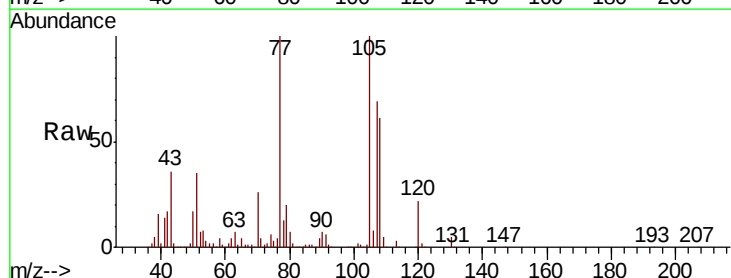
Ion Ratio Lower Upper

105 100

71 4.3 4.4 6.6#

51 35.1 22.3 33.5#

120 22.4 16.9 25.3

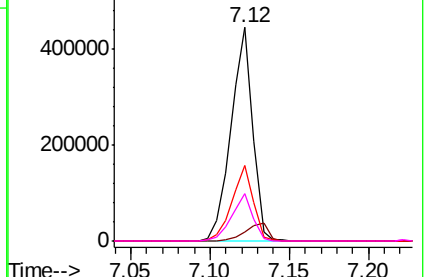
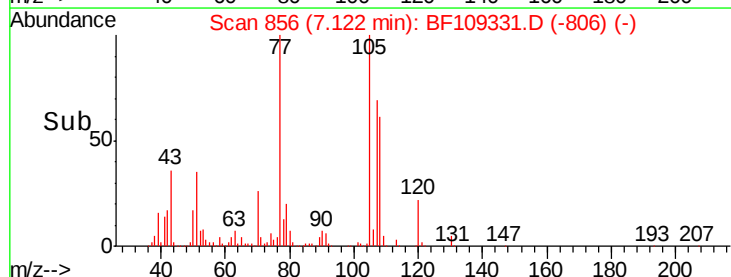


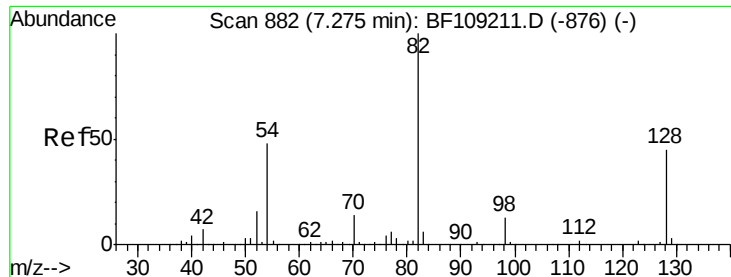
Abundance Ion 105.00 (104.70 to 105.70): E

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

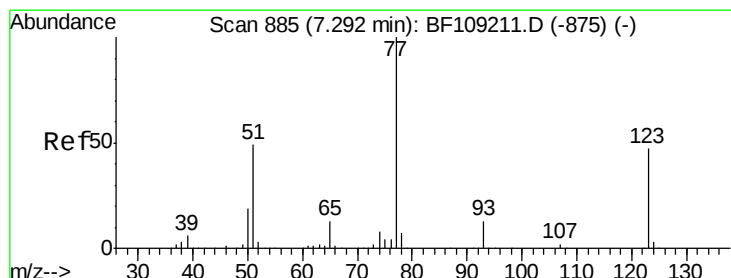
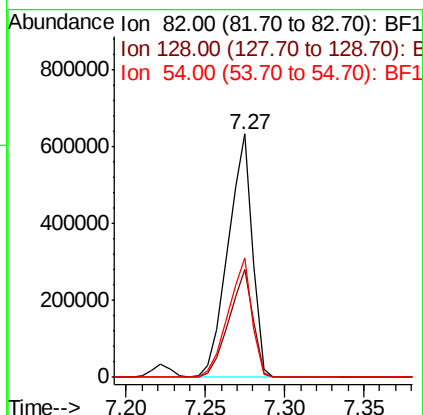
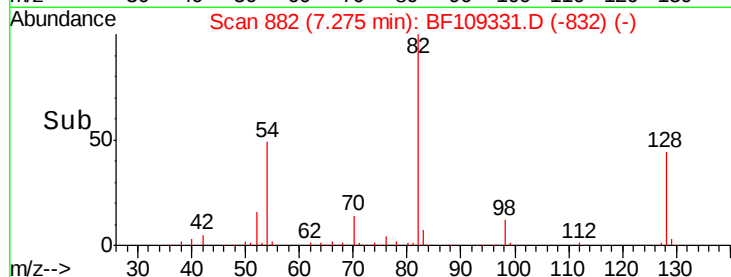
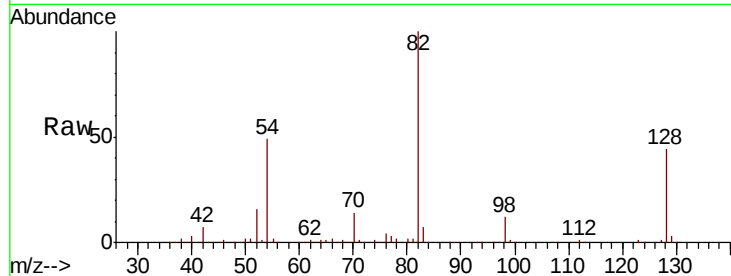




#23  
Nitrobenzene-d5  
Concen: 84.291 ng  
RT: 7.27 min Scan# 882  
Delta R.T. -0.01 min  
Lab File: BF109331.D  
Acq: 26 Sep 2018 12:54

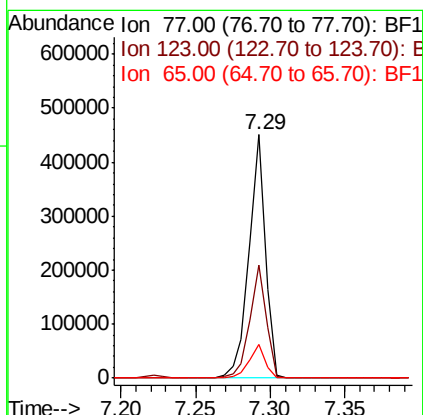
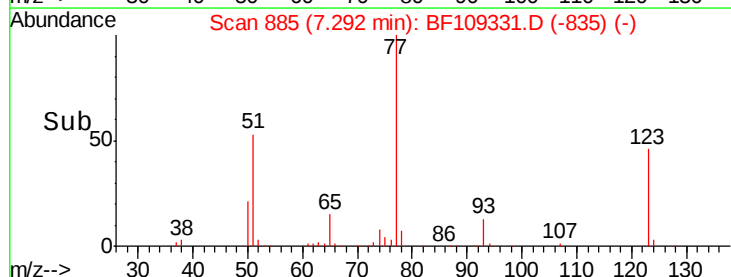
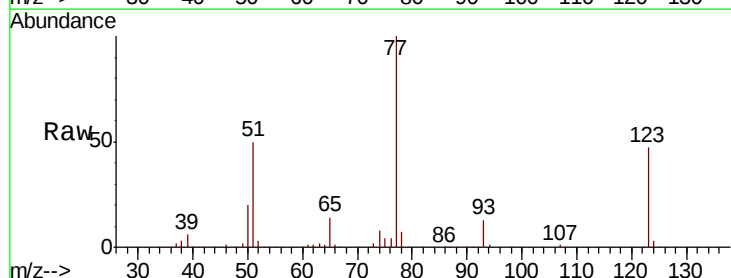
Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion: 82 Resp: 672504  
Ion Ratio Lower Upper  
82 100  
128 44.2 36.1 54.1  
54 49.2 41.4 62.2



#24  
Nitrobenzene  
Concen: 40.709 ng  
RT: 7.29 min Scan# 885  
Delta R.T. -0.01 min  
Lab File: BF109331.D  
Acq: 26 Sep 2018 12:54

Tgt Ion: 77 Resp: 345342  
Ion Ratio Lower Upper  
77 100  
123 46.7 37.9 56.9  
65 13.9 11.0 16.4

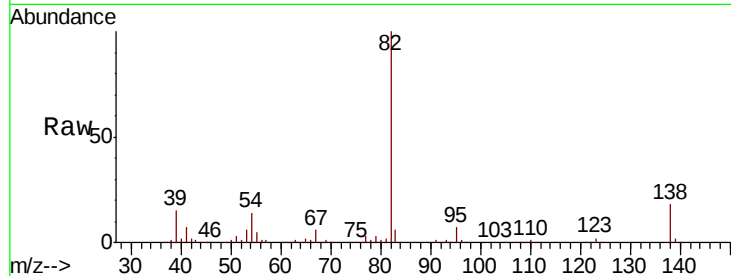




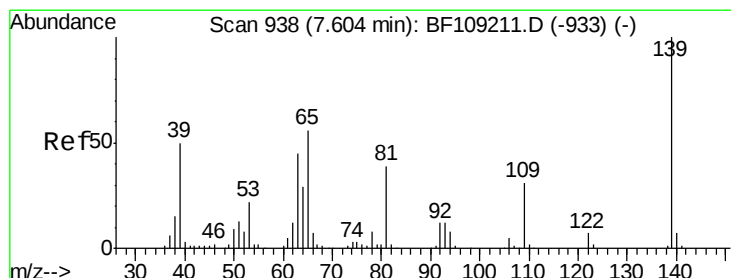
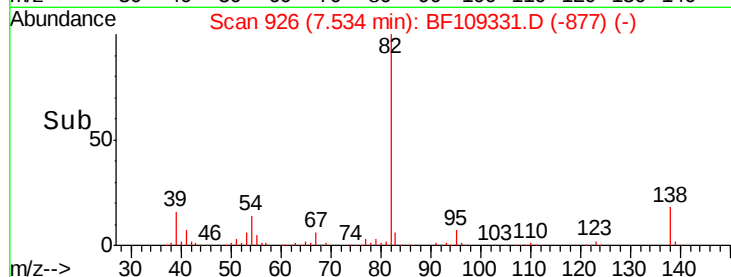
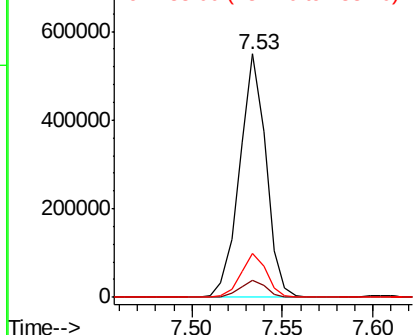
#25  
Isophorone  
Concen: 38.811 ng  
RT: 7.53 min Scan# 926  
Delta R.T. -0.01 min  
Lab File: BF109331.D  
Acq: 26 Sep 2018 12:54

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion: 82 Resp: 557591  
Ion Ratio Lower Upper  
82 100  
95 7.2 5.2 7.8  
138 17.8 14.9 22.3

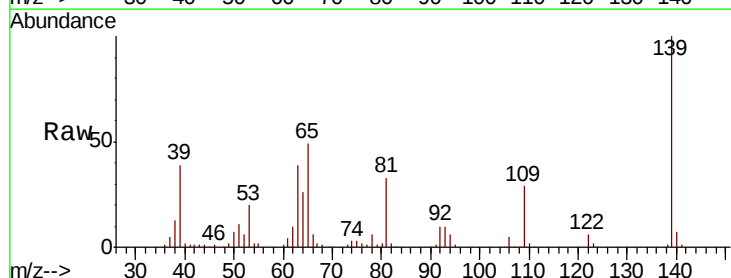


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 95.00 (94.70 to 95.70): BF1  
Ion 138.00 (137.70 to 138.70): BF1

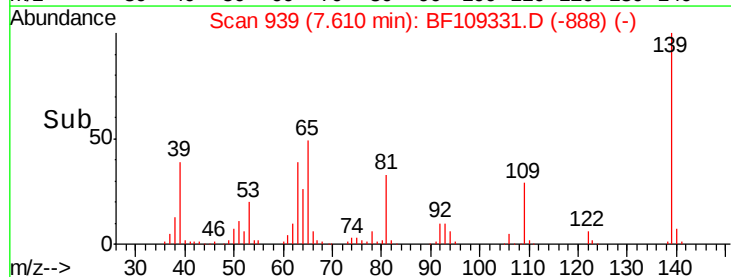
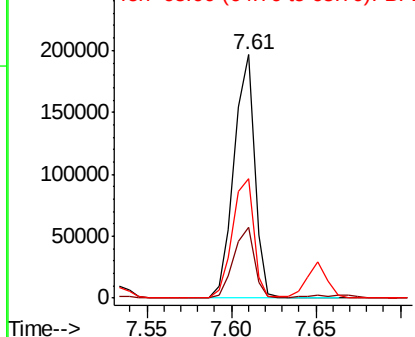


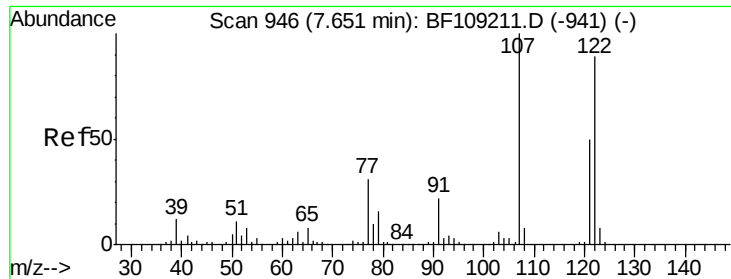
#26  
2-Nitrophenol  
Concen: 49.935 ng  
RT: 7.61 min Scan# 939  
Delta R.T. 0.00 min  
Lab File: BF109331.D  
Acq: 26 Sep 2018 12:54

Tgt Ion: 139 Resp: 167523  
Ion Ratio Lower Upper  
139 100  
109 29.3 22.7 34.1  
65 48.8 40.5 60.7



Abundance Ion 139.00 (138.70 to 139.70): BF1  
Ion 109.00 (108.70 to 109.70): BF1  
Ion 65.00 (64.70 to 65.70): BF1

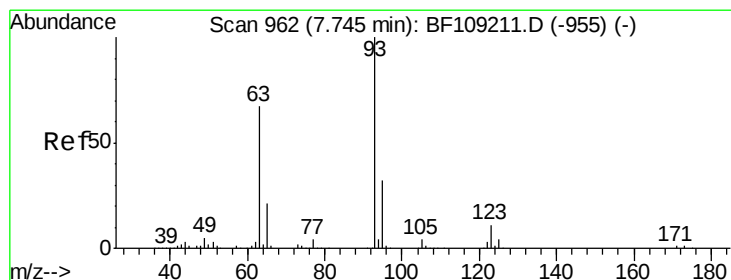
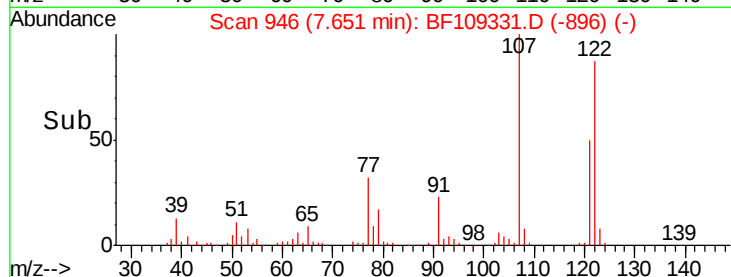
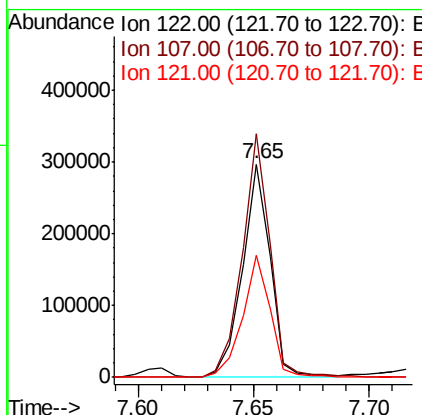
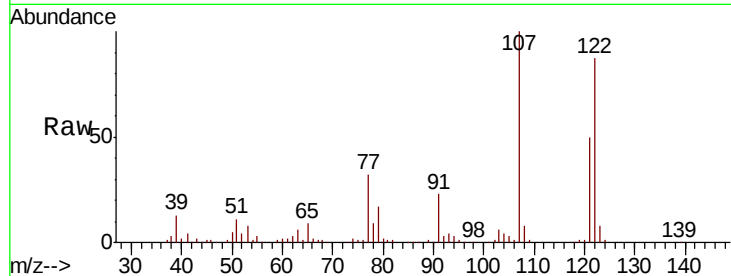




#27  
 2,4-Dimethylphenol  
 Concen: 40.072 ng  
 RT: 7.65 min Scan# 946  
 Delta R.T. -0.01 min  
 Lab File: BF109331.D  
 Acq: 26 Sep 2018 12:54

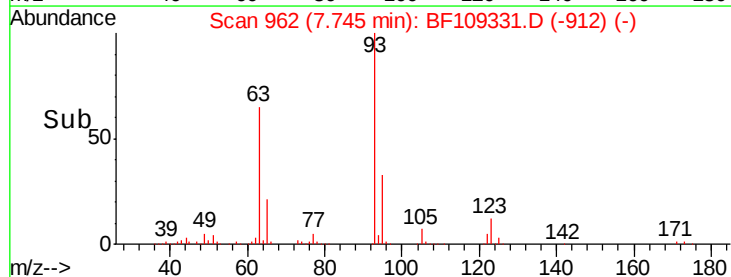
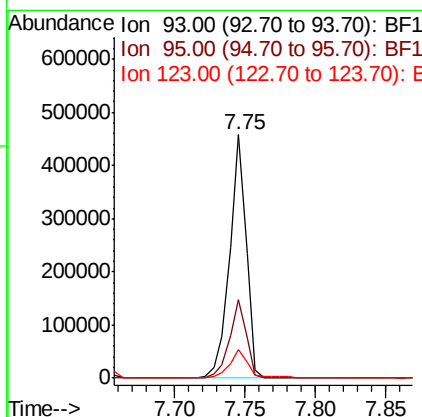
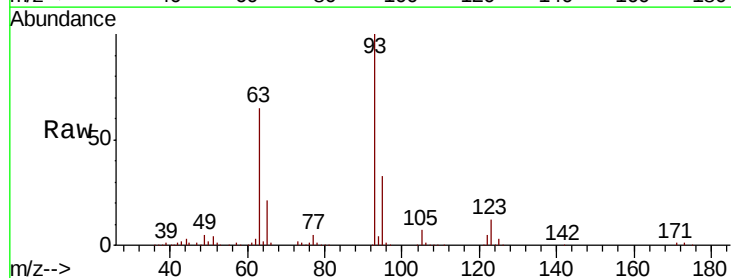
Instrument :  
 BNA\_F  
 ClientSampled :

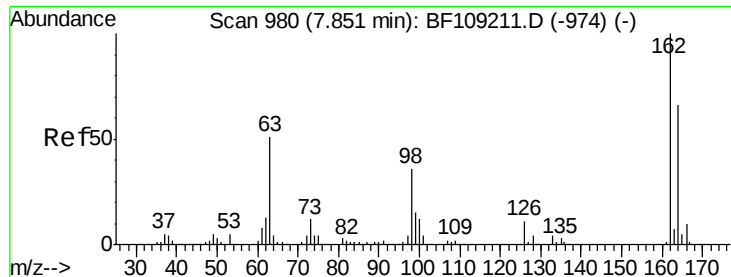
Tot Ion:122 Resp: 250853  
 Ion Ratio Lower Upper  
 122 100  
 107 114.3 91.2 136.8  
 121 57.2 47.2 70.8



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 39.363 ng  
 RT: 7.75 min Scan# 962  
 Delta R.T. -0.01 min  
 Lab File: BF109331.D  
 Acq: 26 Sep 2018 12:54

Tgt Ion: 93 Resp: 374354  
 Ion Ratio Lower Upper  
 93 100  
 95 32.5 26.3 39.5  
 123 11.6 9.8 14.6

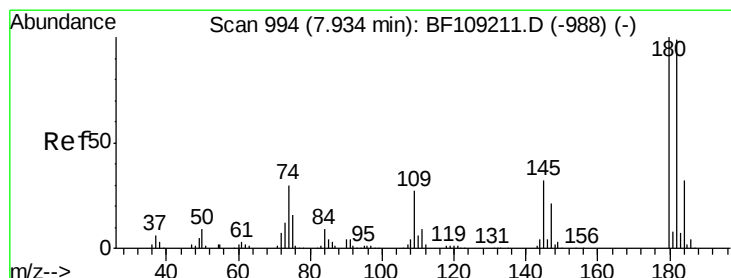
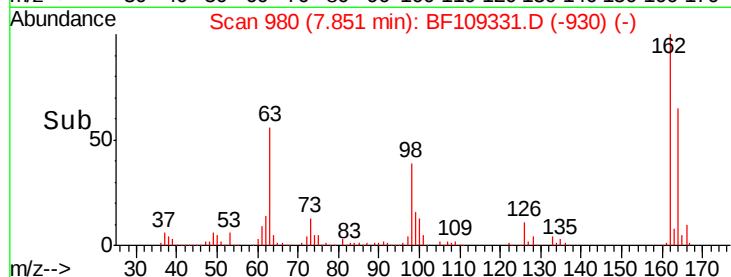
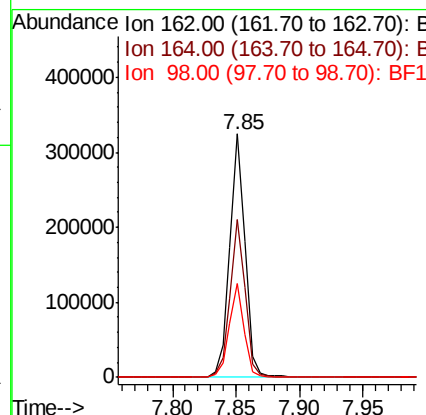
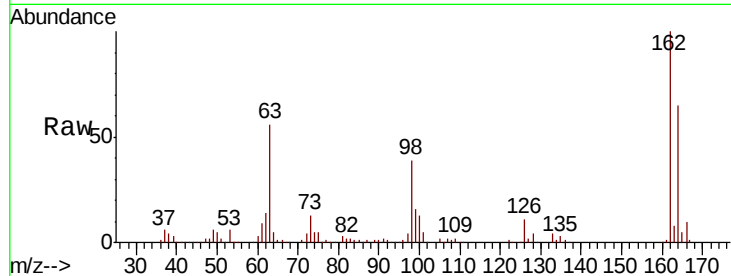




#29  
 2,4-Dichlorophenol  
 Concen: 41.601 ng  
 RT: 7.85 min Scan# 980  
 Delta R.T. -0.01 min  
 Lab File: BF109331.D  
 Acq: 26 Sep 2018 12:54

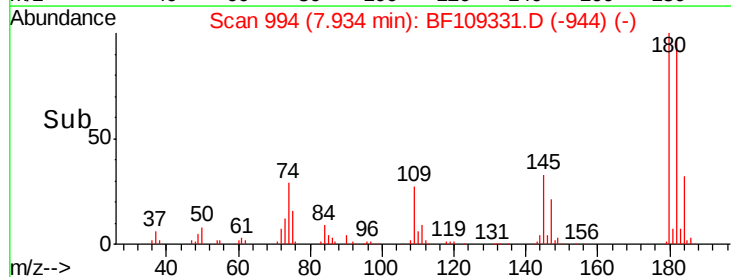
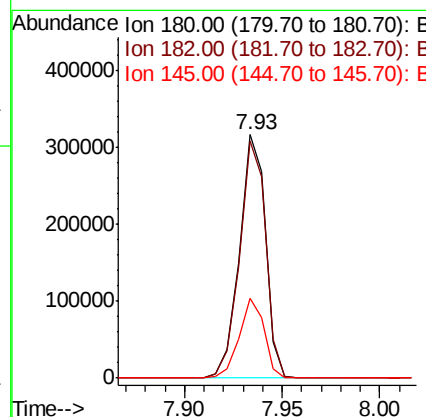
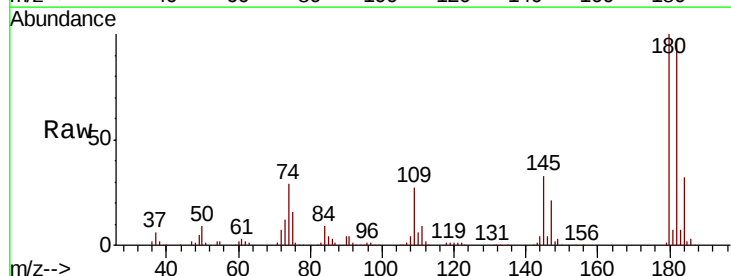
Instrument :  
 BNA\_F  
 ClientSampleId :

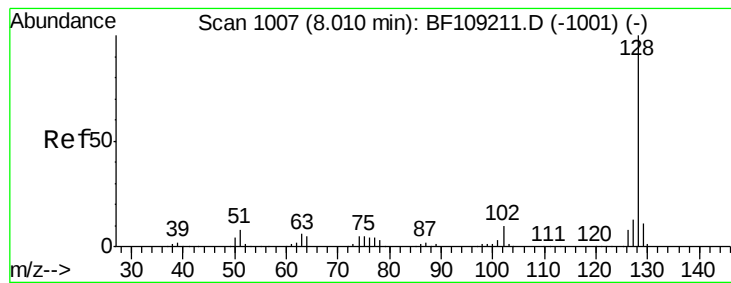
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 64.9  | 42.7  | 82.7  |
| 98      | 38.5  | 18.1  | 58.1  |



#30  
 1,2,4-Trichlorobenzene  
 Concen: 39.765 ng  
 RT: 7.93 min Scan# 994  
 Delta R.T. -0.01 min  
 Lab File: BF109331.D  
 Acq: 26 Sep 2018 12:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 97.4  | 76.8  | 115.2 |
| 145     | 33.0  | 26.5  | 39.7  |





#31

Naphthalene

Concen: 39.403 ng

RT: 8.02 min Scan# 1008

Delta R.T. 0.00 min

Lab File: BF109331.D

Acq: 26 Sep 2018 12:54

Instrument :

BNA\_F

ClientSampleId :

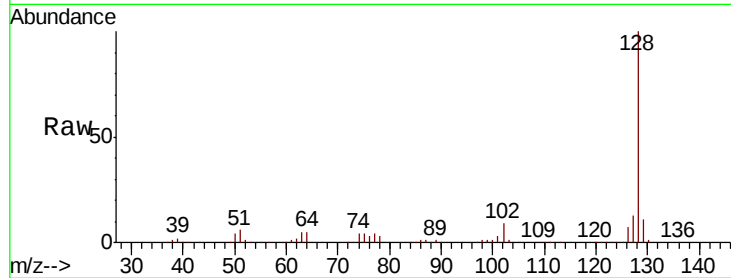
Tot Ion:128 Resp: 867208

Ion Ratio Lower Upper

128 100

129 11.1 8.8 13.2

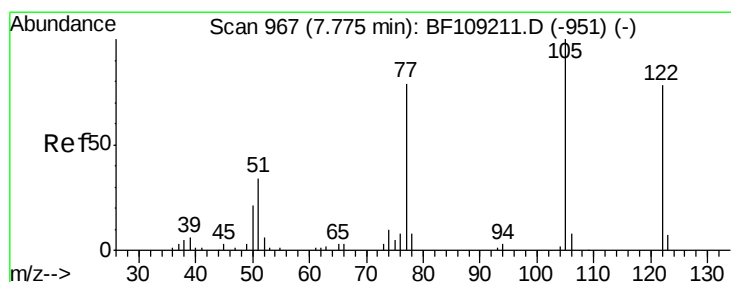
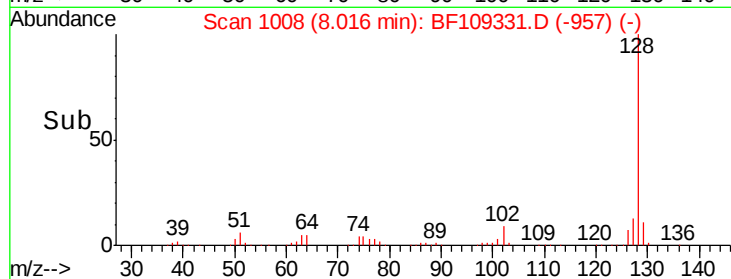
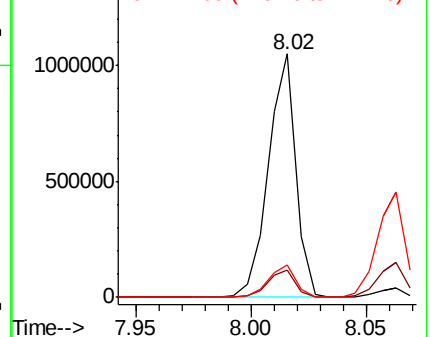
127 13.3 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 32.481 ng

RT: 7.78 min Scan# 968

Delta R.T. -0.04 min

Lab File: BF109331.D

Acq: 26 Sep 2018 12:54

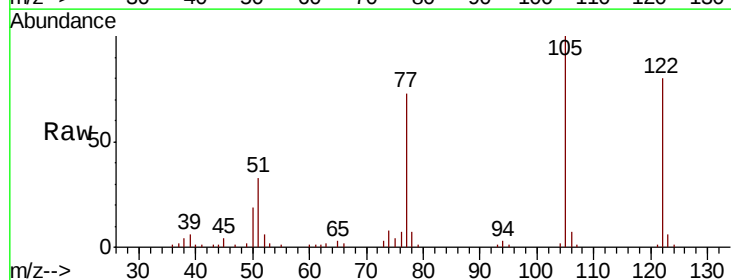
Tgt Ion:122 Resp: 127284

Ion Ratio Lower Upper

122 100

105 125.0 101.1 141.1

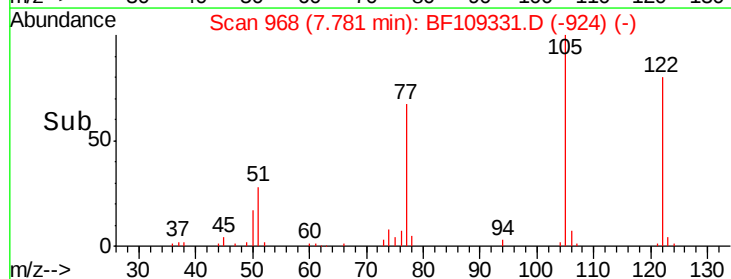
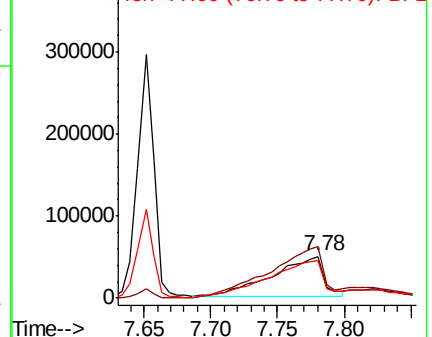
77 91.2 70.7 110.7

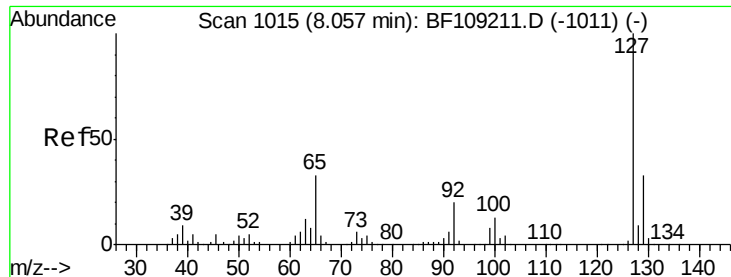


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

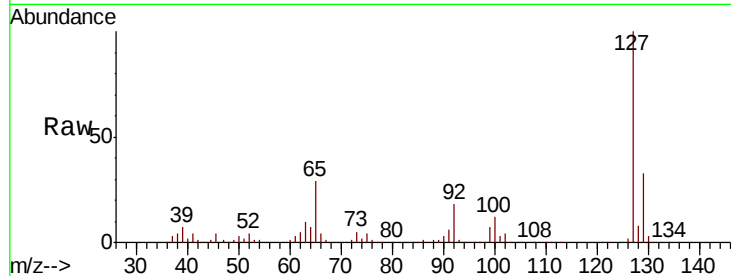




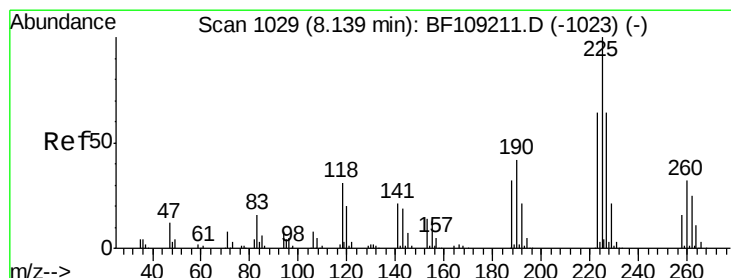
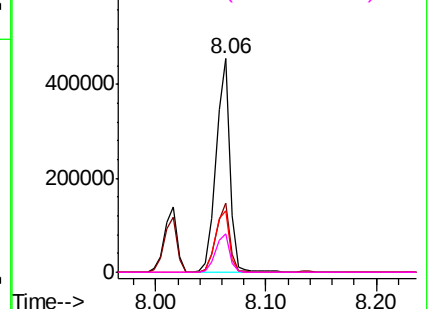
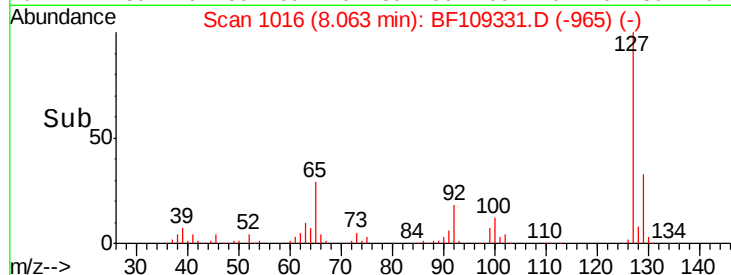
#33  
4-Chloroaniline  
Concen: 40.136 ng  
RT: 8.06 min Scan# 1016  
Delta R.T. 0.00 min  
Lab File: BF109331.D  
Acq: 26 Sep 2018 12:54

Instrument :  
BNA\_F  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 127   | Resp: | 385893 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 32.7  | 25.9  | 38.9   |
| 65       | 29.0  | 25.0  | 37.4   |
| 92       | 18.0  | 15.2  | 22.8   |

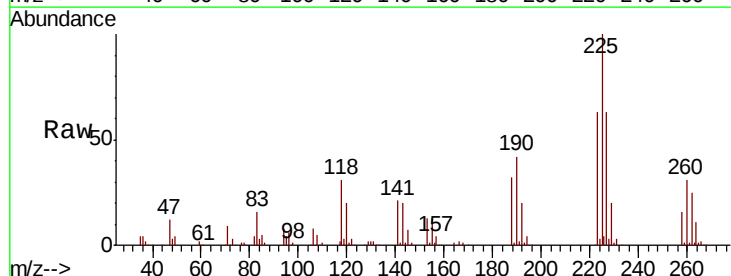


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 92.00 (91.70 to 92.70): BF1

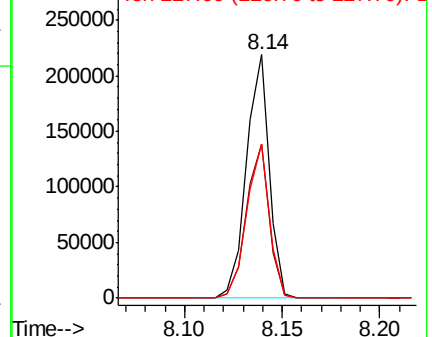
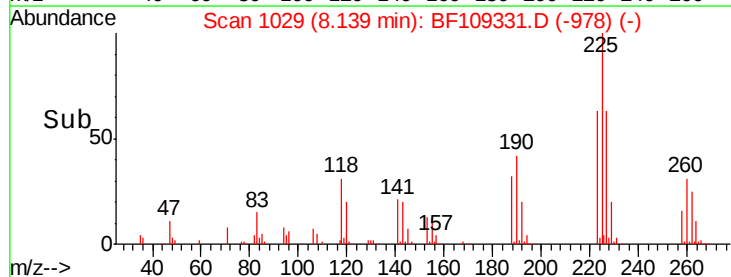


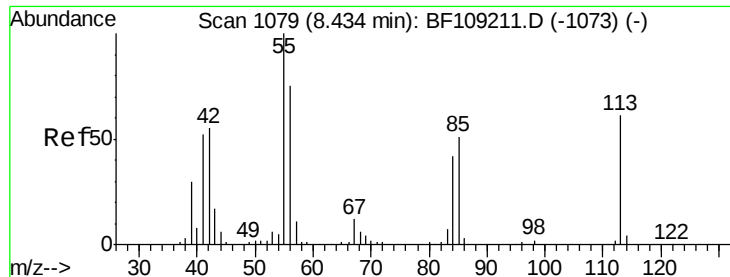
#34  
Hexachlorobutadiene  
Concen: 39.873 ng  
RT: 8.14 min Scan# 1029  
Delta R.T. 0.00 min  
Lab File: BF109331.D  
Acq: 26 Sep 2018 12:54

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 176662 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 63.2  | 50.6  | 76.0   |
| 227      | 63.2  | 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: 41.561 ng

RT: 8.44 min Scan# 1080

Delta R.T. -0.02 min

Lab File: BF109331.D

Acq: 26 Sep 2018 12:54

Instrument :

BNA\_F

ClientSampleId :

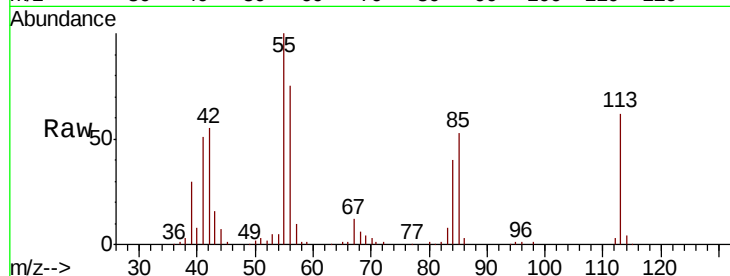
Tot Ion:113 Resp: 87274

Ion Ratio Lower Upper

113 100

55 160.8 163.3 203.3#

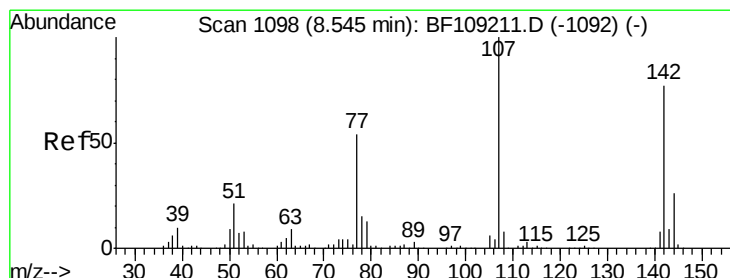
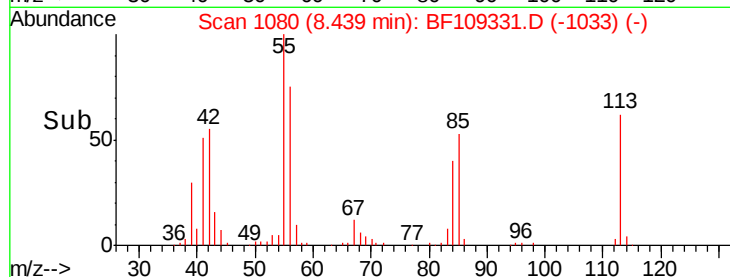
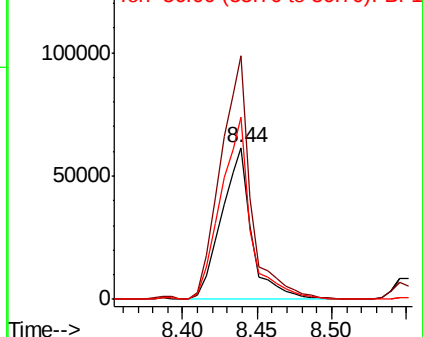
56 120.4 115.7 155.7



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#36

4-Chloro-3-methylphenol

Concen: 40.899 ng

RT: 8.55 min Scan# 1098

Delta R.T. -0.01 min

Lab File: BF109331.D

Acq: 26 Sep 2018 12:54

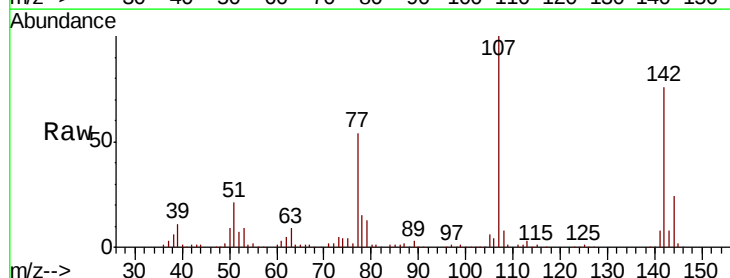
Tgt Ion:107 Resp: 283064

Ion Ratio Lower Upper

107 100

144 24.5 20.5 30.7

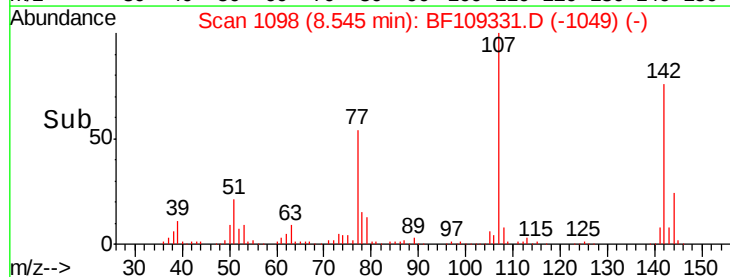
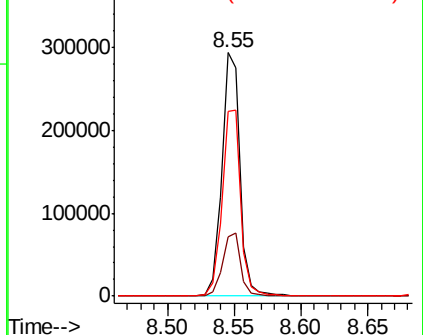
142 75.9 62.0 93.0

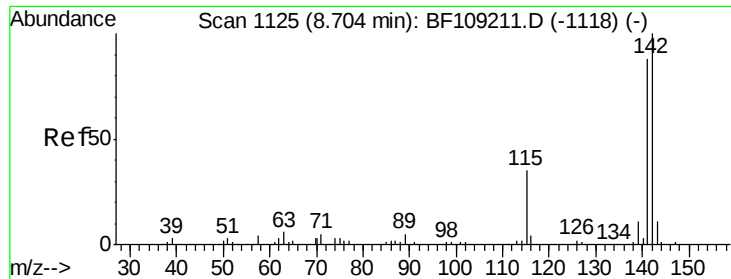


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

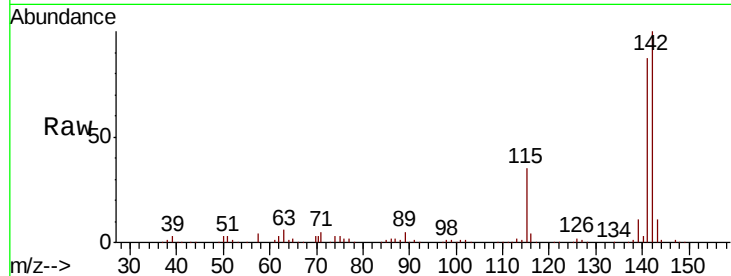




#37  
2-Methylnaphthalene  
Concen: 39.393 ng  
RT: 8.70 min Scan# 1125  
Delta R.T. 0.00 min  
Lab File: BF109331.D  
Acq: 26 Sep 2018 12:54

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 87.3  | 70.8  | 106.2 |
| 115     | 34.8  | 26.1  | 39.1  |

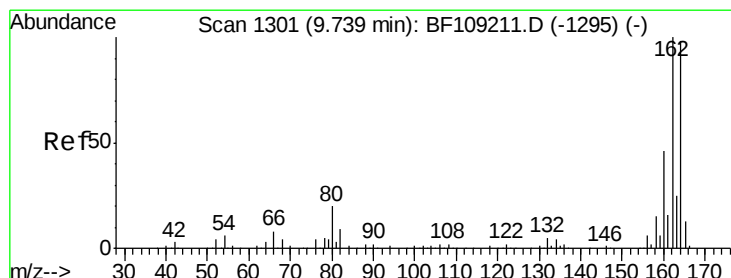
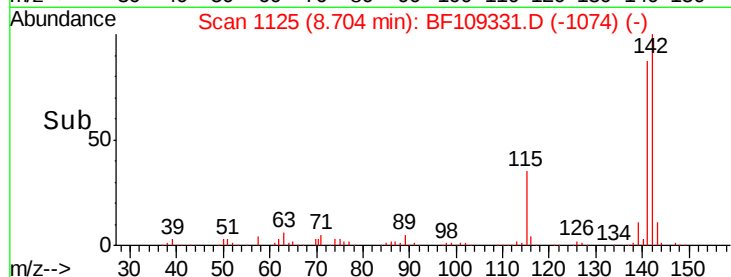
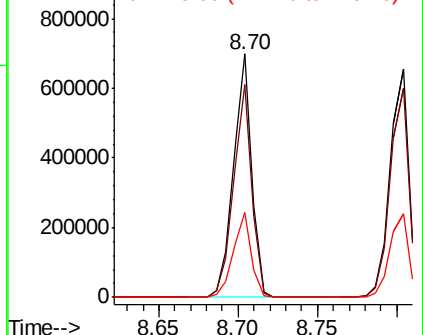


Abundance

Ion 142.00 (141.70 to 142.70): E

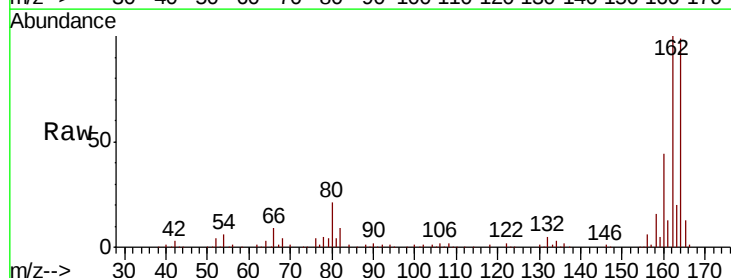
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.74 min Scan# 1301  
Delta R.T. 0.00 min  
Lab File: BF109331.D  
Acq: 26 Sep 2018 12:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 101.4 | 86.1  | 129.1 |
| 160     | 44.8  | 38.3  | 57.5  |

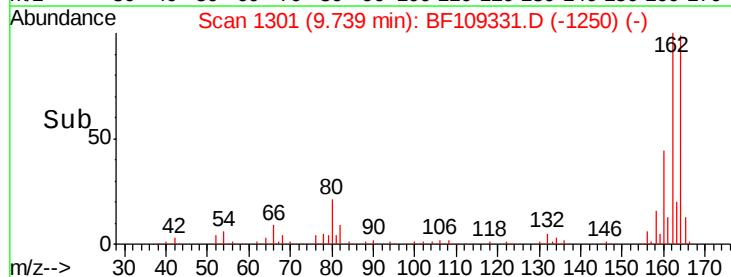
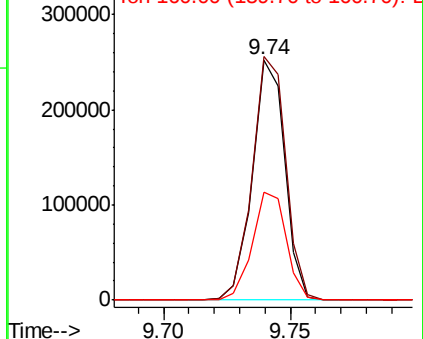


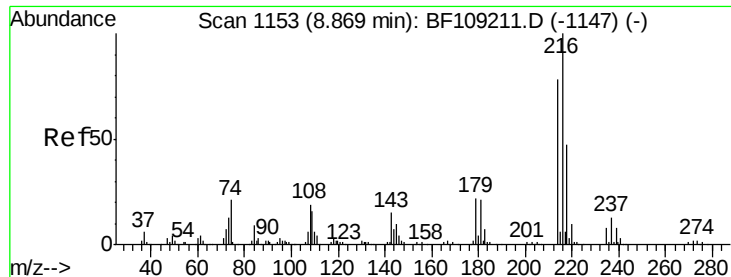
Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#39

1,2,4,5-Tetrachlorobenzene

Concen: 39.921 ng

RT: 8.87 min Scan# 1154

Delta R.T. 0.00 min

Lab File: BF109331.D

Acq: 26 Sep 2018 12:54

Instrument :

BNA\_F

ClientSampled :

Tot Ion:216 Resp: 286728

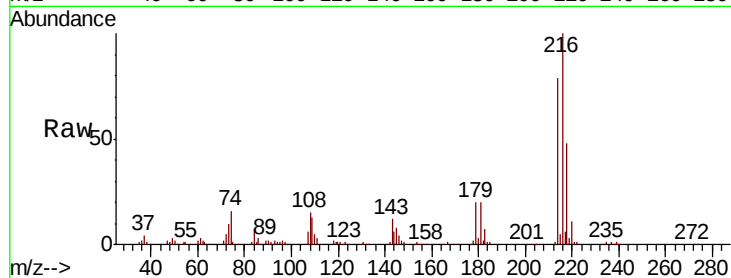
Ion Ratio Lower Upper

216 100

214 80.7 63.0 94.4

179 20.8 18.1 27.1

108 18.7 17.2 25.8

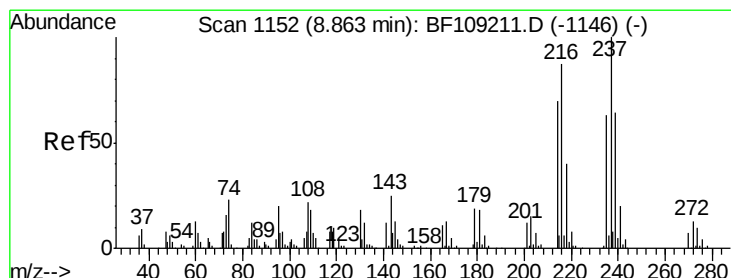
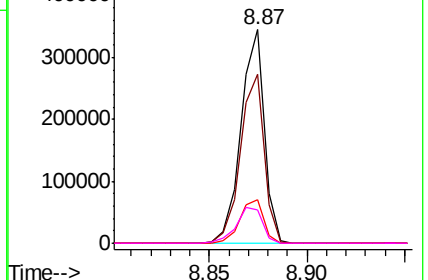
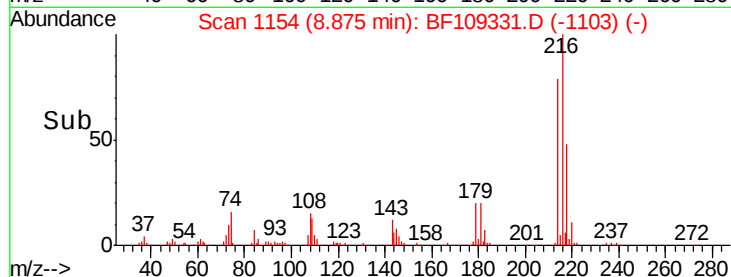


Abundance Ion 216.00 (215.70 to 216.70): E

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: 38.016 ng

RT: 8.86 min Scan# 1152

Delta R.T. 0.00 min

Lab File: BF109331.D

Acq: 26 Sep 2018 12:54

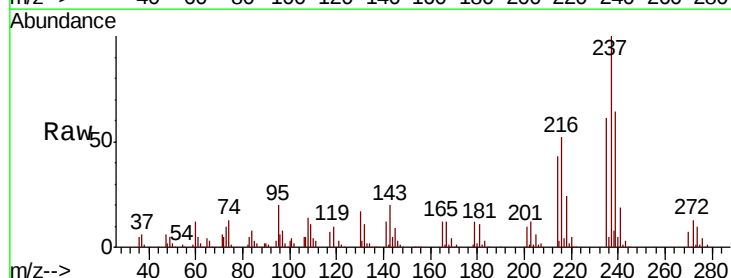
Tgt Ion:237 Resp: 119092

Ion Ratio Lower Upper

237 100

235 61.2 44.8 84.8

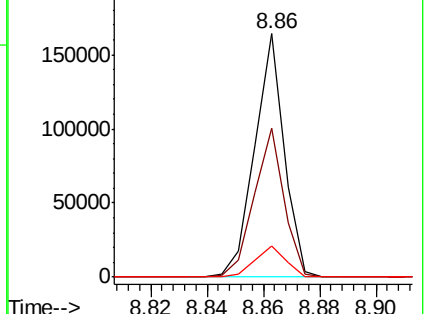
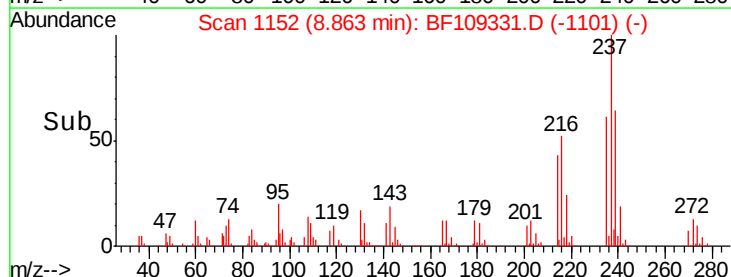
272 12.7 0.0 33.3

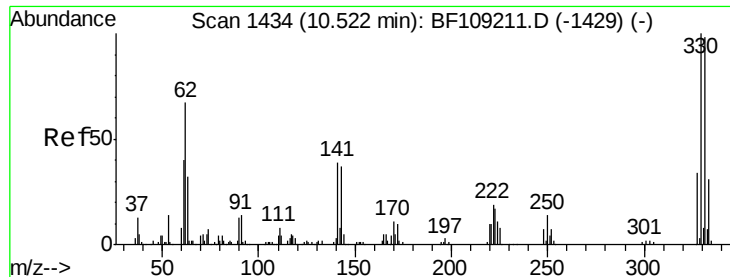


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

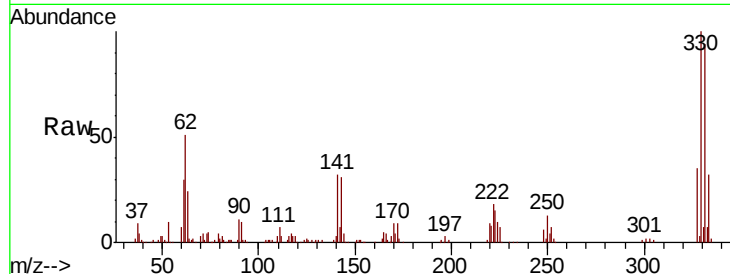




#41  
 2,4,6-Tribromophenol  
 Concen: 86.987 ng  
 RT: 10.53 min Scan# 1435  
 Delta R.T. -0.01 min  
 Lab File: BF109331.D  
 Acq: 26 Sep 2018 12:54

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 93.9  | 77.0  | 115.6 |
| 141     | 32.7  | 29.9  | 44.9  |

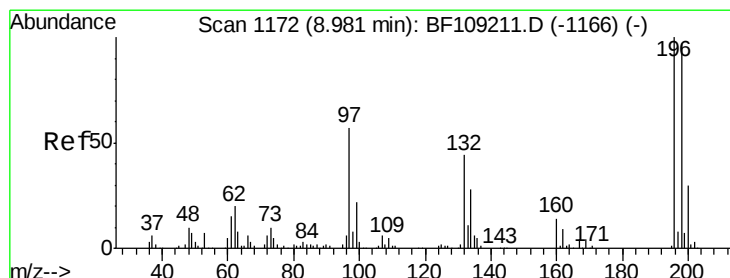
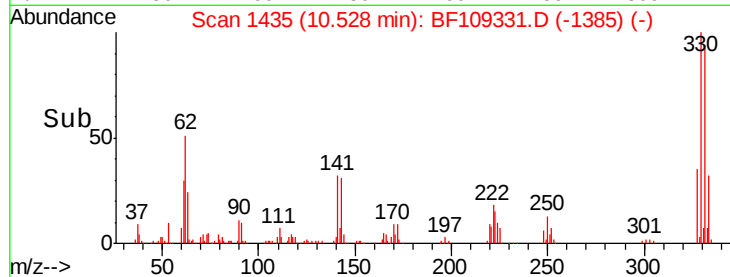
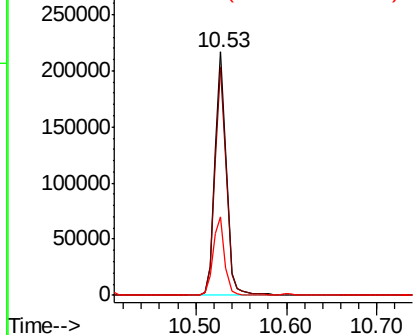


Abundance

Ion 329.80 (329.50 to 330.50): E

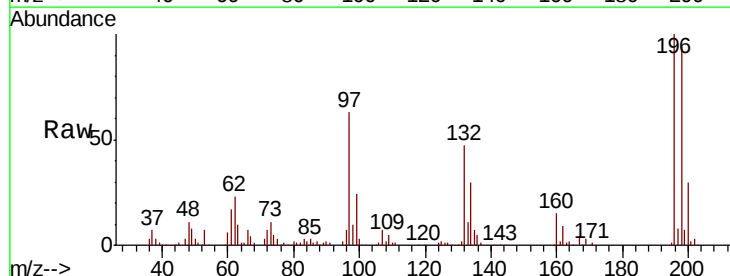
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#42  
 2,4,6-Trichlorophenol  
 Concen: 42.018 ng  
 RT: 8.98 min Scan# 1172  
 Delta R.T. -0.01 min  
 Lab File: BF109331.D  
 Acq: 26 Sep 2018 12:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 93.9  | 75.7  | 113.5 |
| 200     | 29.7  | 24.5  | 36.7  |

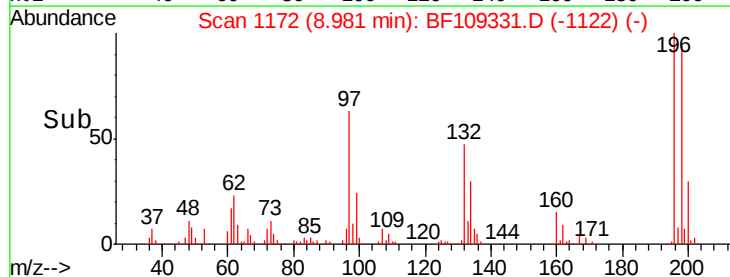
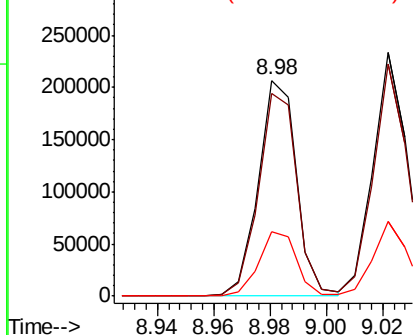


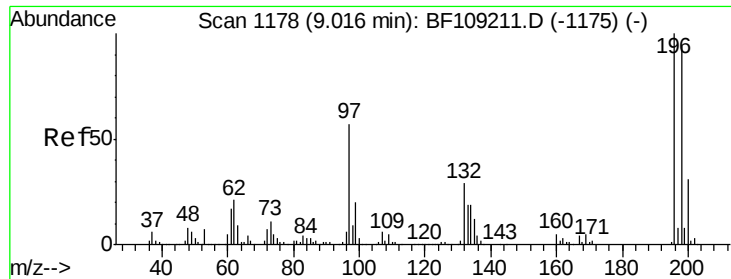
Abundance

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

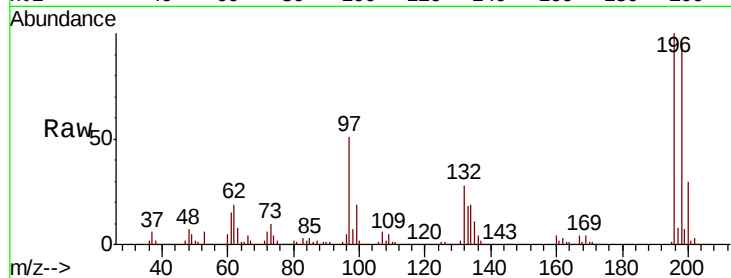




#43  
 2,4,5-Trichlorophenol  
 Concen: 41.899 ng  
 RT: 9.02 min Scan# 1179  
 Delta R.T. -0.01 min  
 Lab File: BF109331.D  
 Acq: 26 Sep 2018 12:54

Instrument :  
 BNA\_F  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 95.6  | 74.6  | 112.0 |
| 97      | 51.4  | 42.9  | 64.3  |
| 132     | 27.8  | 26.3  | 39.5  |



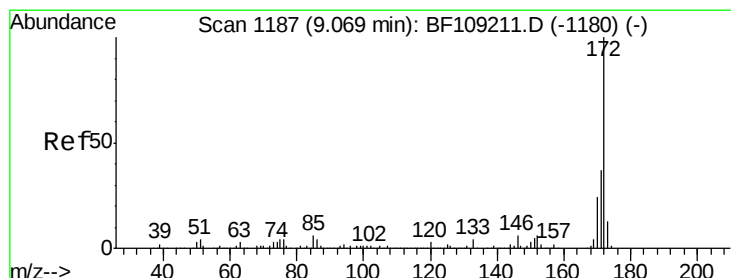
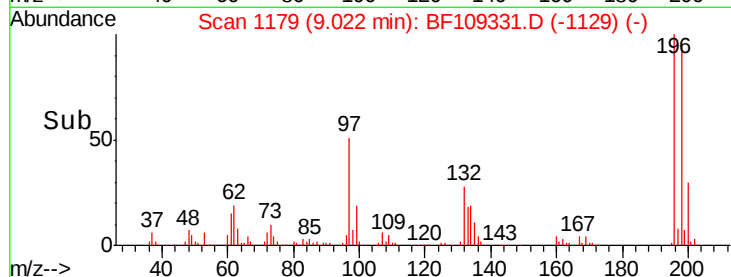
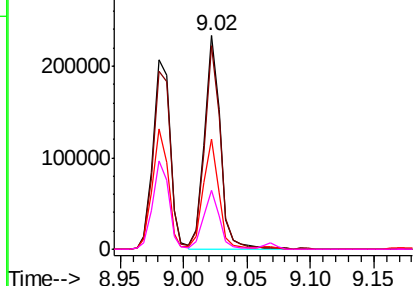
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

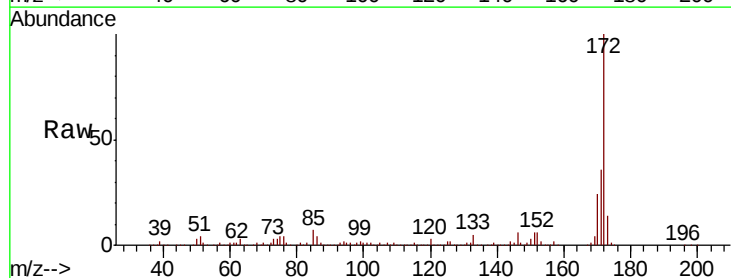
Ion 97.00 (96.70 to 97.70): BF1

Ion 132.00 (131.70 to 132.70): E



#44  
 2-Fluorobiphenyl  
 Concen: 79.899 ng  
 RT: 9.07 min Scan# 1187  
 Delta R.T. -0.01 min  
 Lab File: BF109331.D  
 Acq: 26 Sep 2018 12:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.4  | 29.7  | 44.5  |
| 170     | 24.3  | 19.6  | 29.4  |

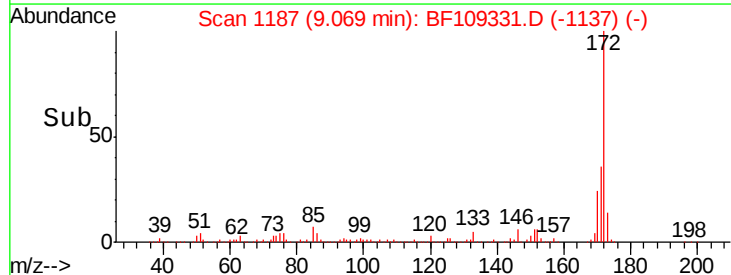
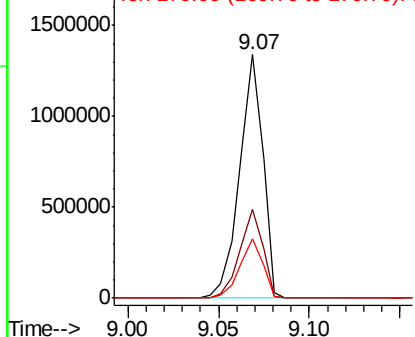


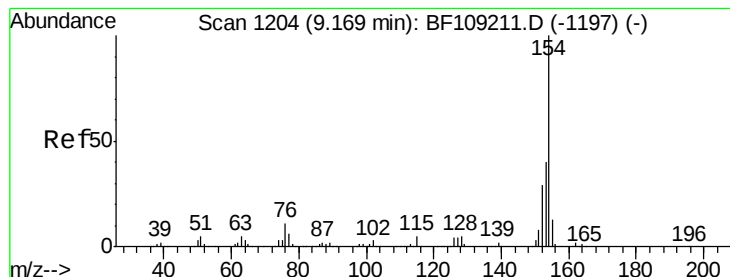
Abundance

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: 39.019 ng

RT: 9.17 min Scan# 1204

Delta R.T. -0.01 min

Lab File: BF109331.D

Acq: 26 Sep 2018 12:54

Instrument :

BNA\_F

ClientSampleId :

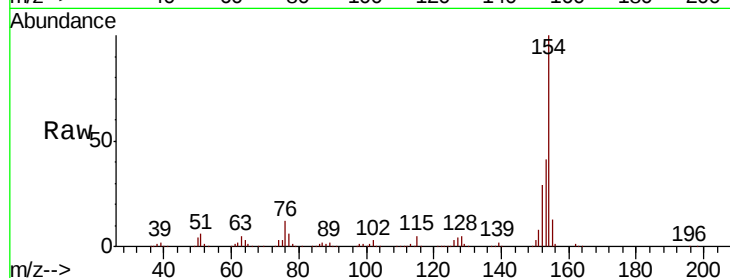
Tot Ion:154 Resp: 717463

Ion Ratio Lower Upper

154 100

153 41.2 21.3 61.3

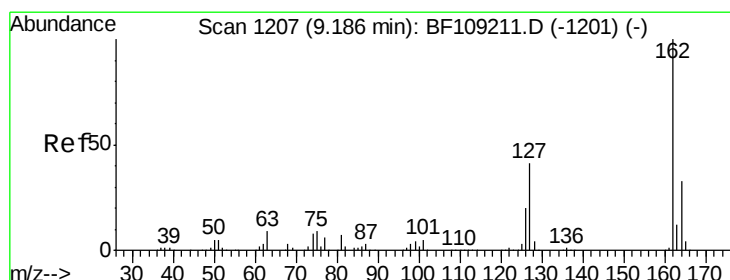
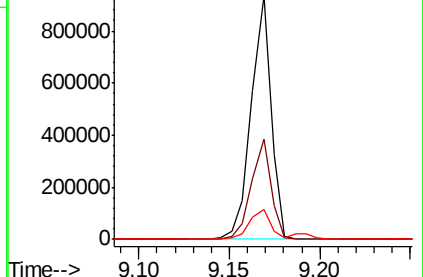
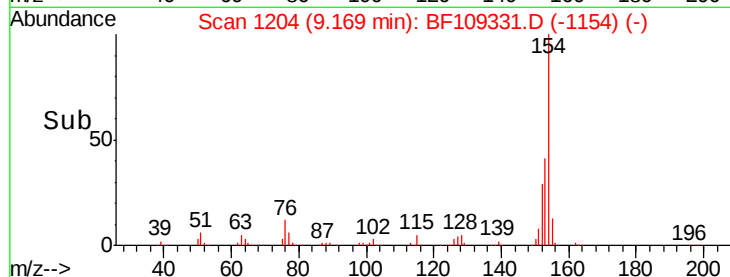
76 12.2 0.0 34.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1



#46

2-Chloronaphthalene

Concen: 39.409 ng

RT: 9.19 min Scan# 1208

Delta R.T. 0.00 min

Lab File: BF109331.D

Acq: 26 Sep 2018 12:54

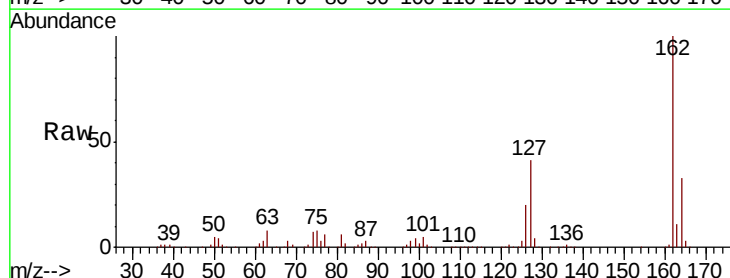
Tgt Ion:162 Resp: 578898

Ion Ratio Lower Upper

162 100

127 40.6 33.9 50.9

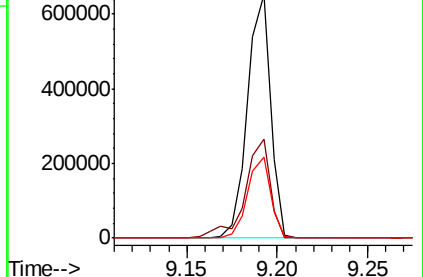
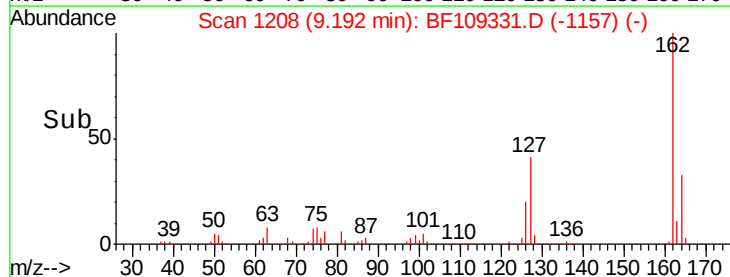
164 33.4 26.5 39.7

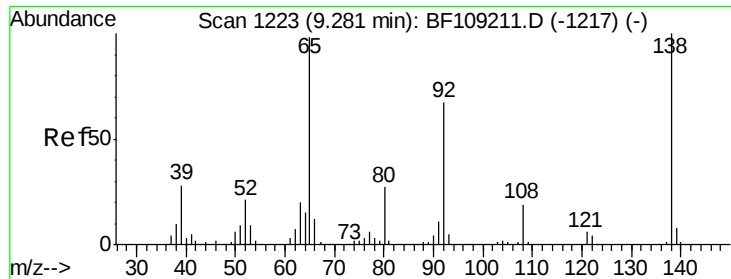


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

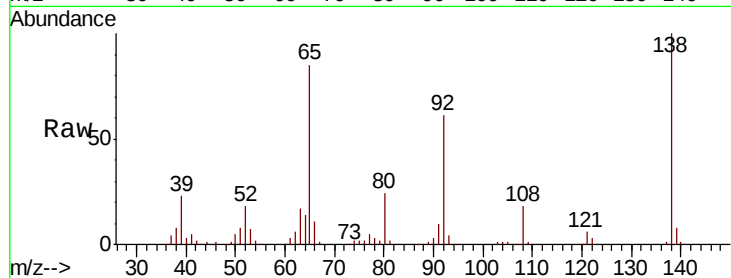




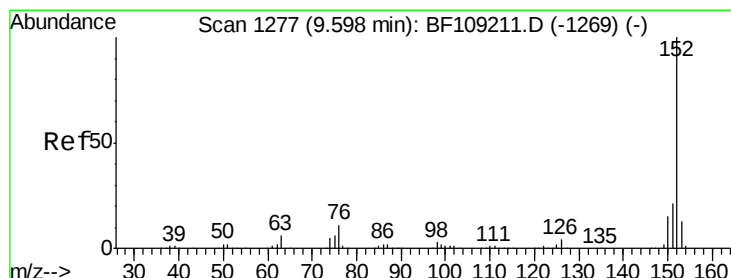
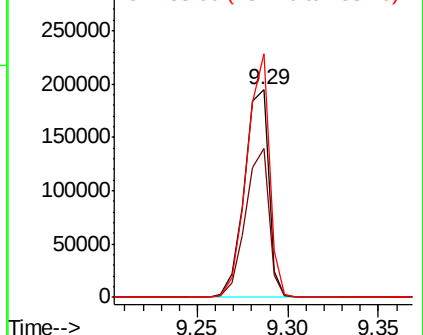
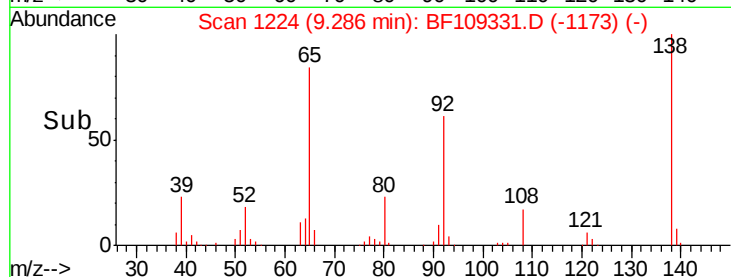
#47  
2-Nitroaniline  
Concen: 43.768 ng  
RT: 9.29 min Scan# 1224  
Delta R.T. 0.00 min  
Lab File: BF109331.D  
Acq: 26 Sep 2018 12:54

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion: 65 Resp: 182283  
Ion Ratio Lower Upper  
65 100  
92 72.0 55.8 83.6  
138 117.4 91.2 136.8

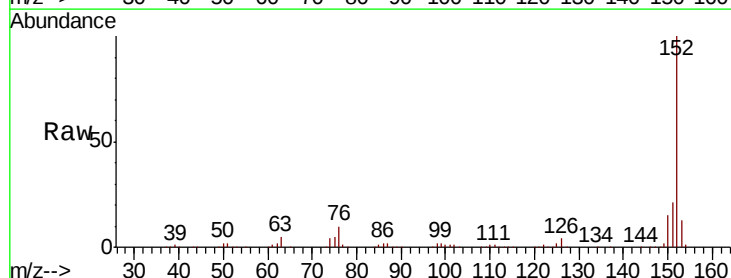


Abundance Ion 65.00 (64.70 to 65.70): BF1  
Ion 92.00 (91.70 to 92.70): BF1  
Ion 138.00 (137.70 to 138.70): BF1

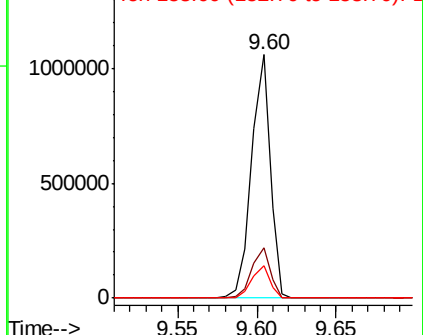
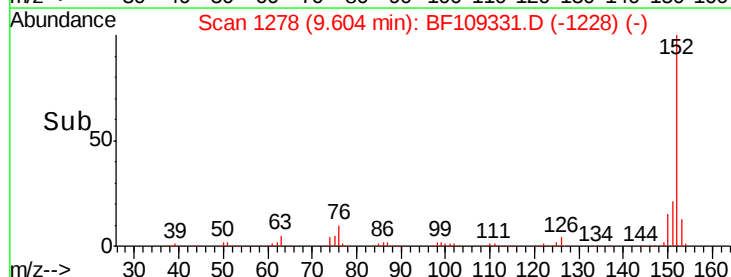


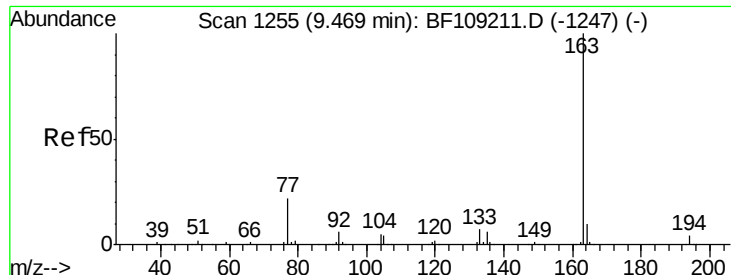
#48  
Acenaphthylene  
Concen: 39.347 ng  
RT: 9.60 min Scan# 1278  
Delta R.T. -0.01 min  
Lab File: BF109331.D  
Acq: 26 Sep 2018 12:54

Tgt Ion: 152 Resp: 871935  
Ion Ratio Lower Upper  
152 100  
151 20.9 16.3 24.5  
153 13.2 10.7 16.1



Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 151.00 (150.70 to 151.70): E  
Ion 153.00 (152.70 to 153.70): E

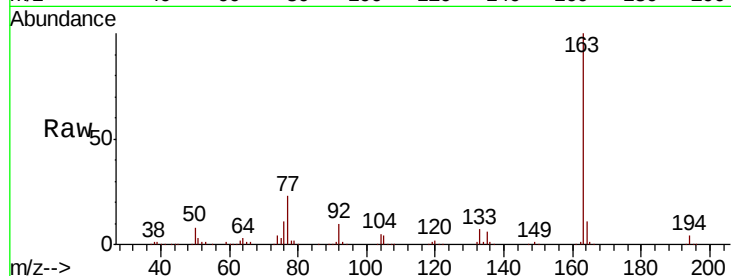




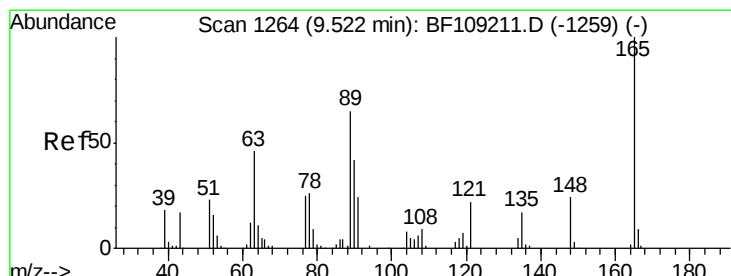
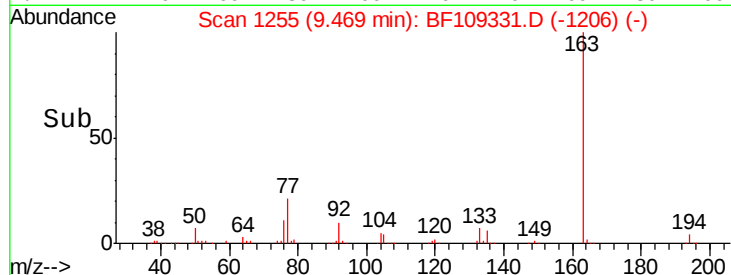
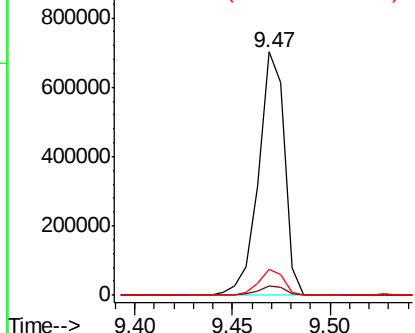
#49  
Dimethylphthalate  
Concen: 39.422 ng  
RT: 9.47 min Scan# 1255  
Delta R.T. -0.01 min  
Lab File: BF109331.D  
Acq: 26 Sep 2018 12:54

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 3.8   | 2.7   | 4.1   |
| 164     | 10.6  | 8.2   | 12.2  |

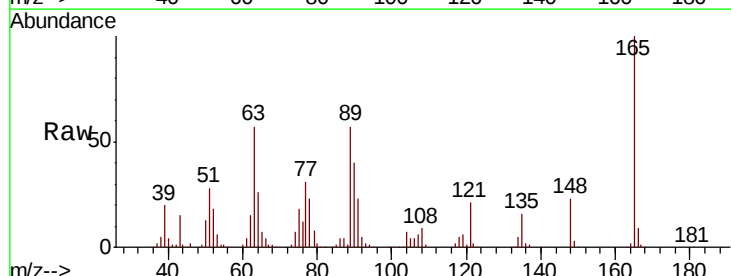


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

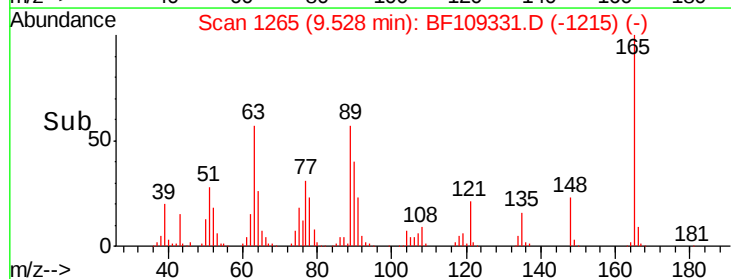
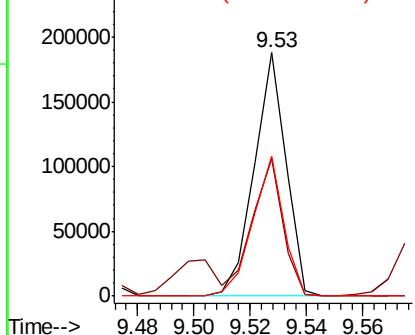


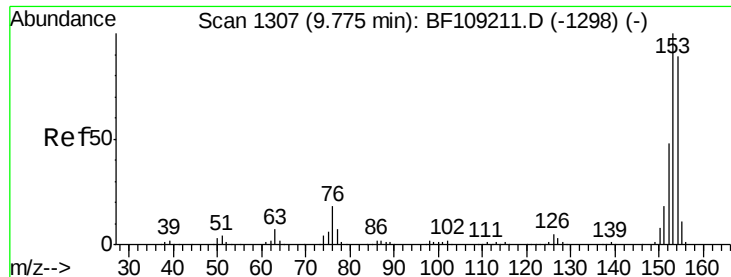
#50  
2,6-Dinitrotoluene  
Concen: 45.222 ng  
RT: 9.53 min Scan# 1265  
Delta R.T. -0.01 min  
Lab File: BF109331.D  
Acq: 26 Sep 2018 12:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 56.6  | 44.7  | 67.1  |
| 89      | 57.4  | 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

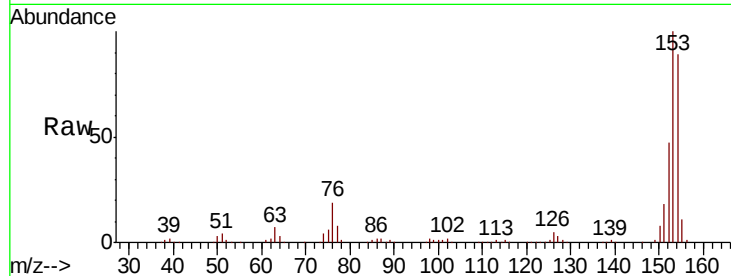




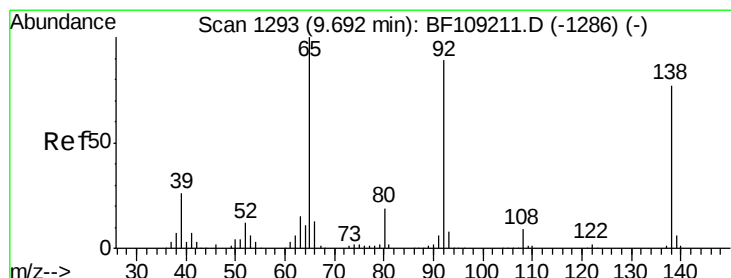
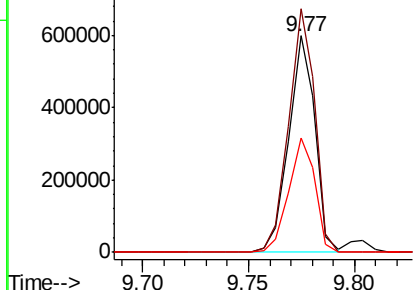
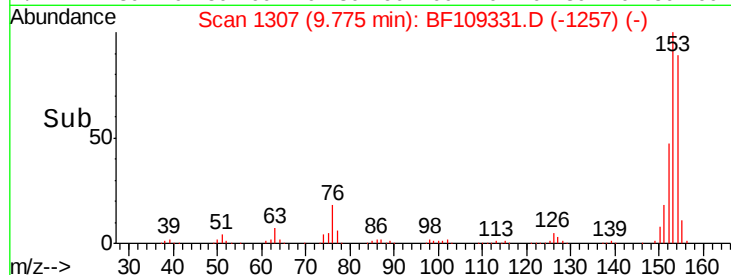
#51  
Acenaphthene  
Concen: 38.687 ng  
RT: 9.77 min Scan# 1307  
Delta R.T. -0.01 min  
Lab File: BF109331.D  
Acq: 26 Sep 2018 12:54

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:154 Resp: 518325  
Ion Ratio Lower Upper  
154 100  
153 112.4 91.2 136.8  
152 52.9 43.8 65.8

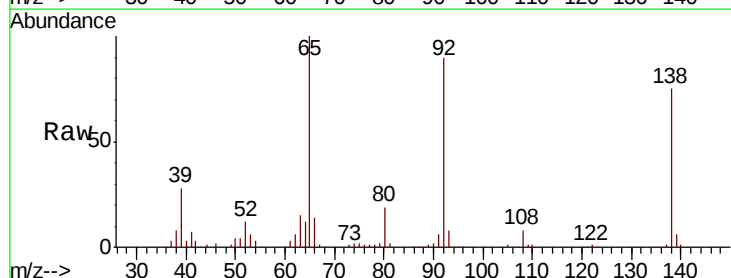


Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E

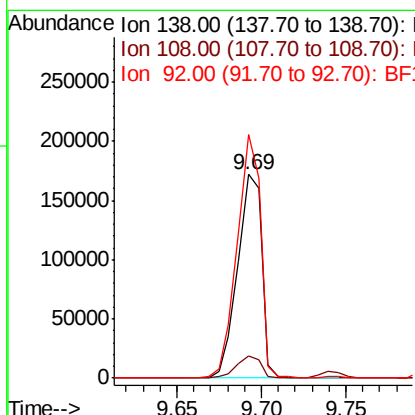
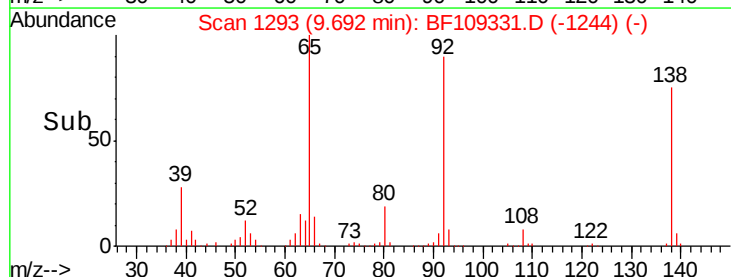


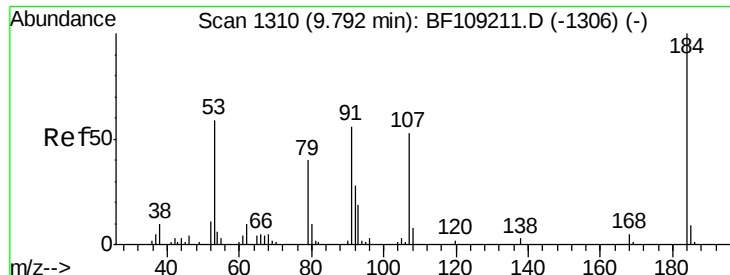
#52  
3-Nitroaniline  
Concen: 45.673 ng  
RT: 9.69 min Scan# 1293  
Delta R.T. -0.01 min  
Lab File: BF109331.D  
Acq: 26 Sep 2018 12:54

Tgt Ion:138 Resp: 171949  
Ion Ratio Lower Upper  
138 100  
108 10.9 9.4 14.0  
92 119.6 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

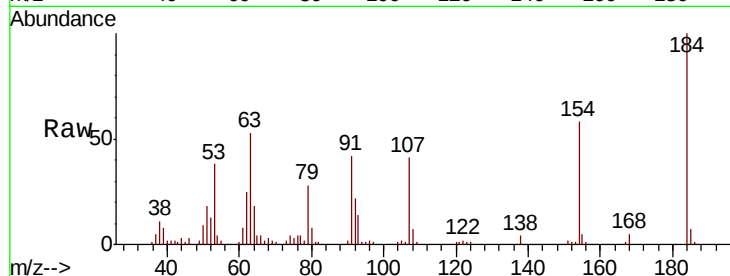




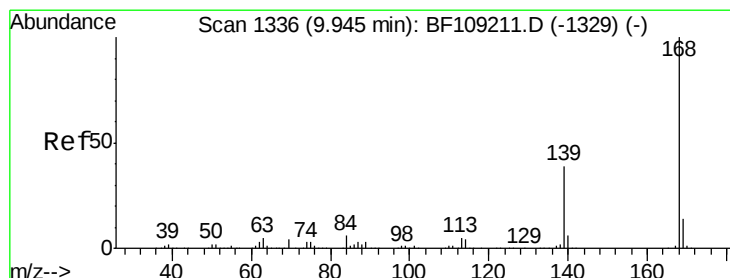
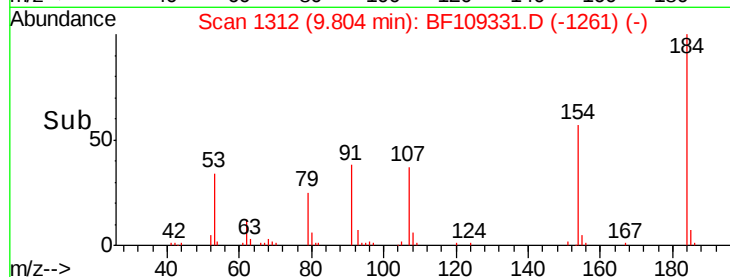
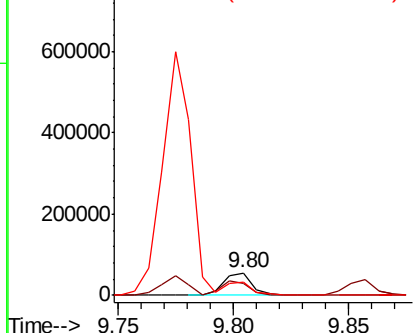
#53  
2,4-Dinitrophenol  
Concen: 46.234 ng  
RT: 9.80 min Scan# 1312  
Delta R.T. 0.00 min  
Lab File: BF109331.D  
Acq: 26 Sep 2018 12:54

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:184 Resp: 48670  
Ion Ratio Lower Upper  
184 100  
63 52.9 54.2 81.2#  
154 58.2 184.0 276.0#

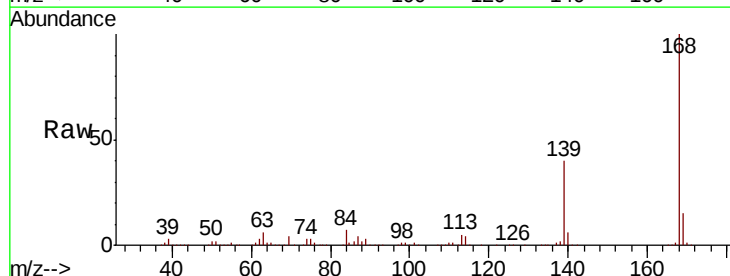


Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 154.00 (153.70 to 154.70): E

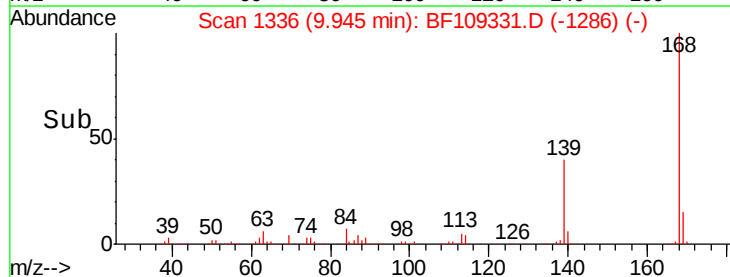
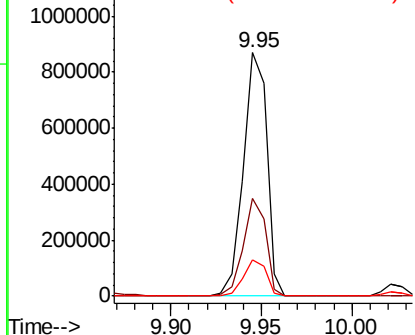


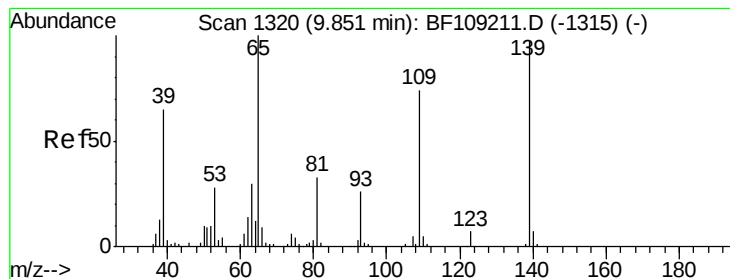
#54  
Dibenzofuran  
Concen: 39.308 ng  
RT: 9.95 min Scan# 1336  
Delta R.T. -0.01 min  
Lab File: BF109331.D  
Acq: 26 Sep 2018 12:54

Tgt Ion:168 Resp: 783213  
Ion Ratio Lower Upper  
168 100  
139 40.2 30.1 45.1  
169 14.8 10.9 16.3



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





#55

4-Nitrophenol

Concen: 41.155 ng

RT: 9.86 min Scan# 1321

Delta R.T. -0.01 min

Lab File: BF109331.D

Acq: 26 Sep 2018 12:54

Instrument :  
BNA\_F  
ClientSampled :

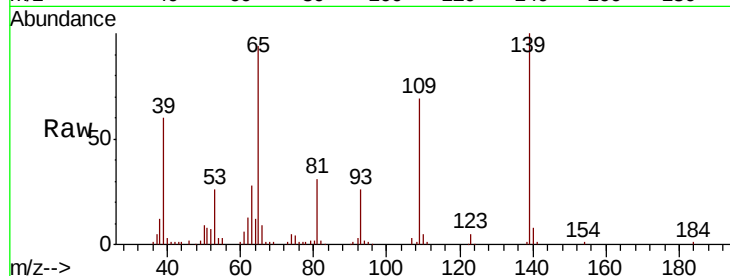
Tot Ion:139 Resp: 116718

Ion Ratio Lower Upper

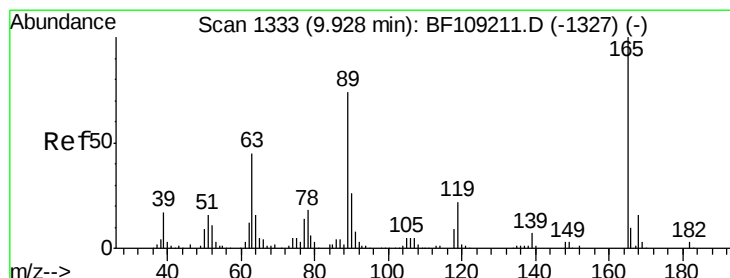
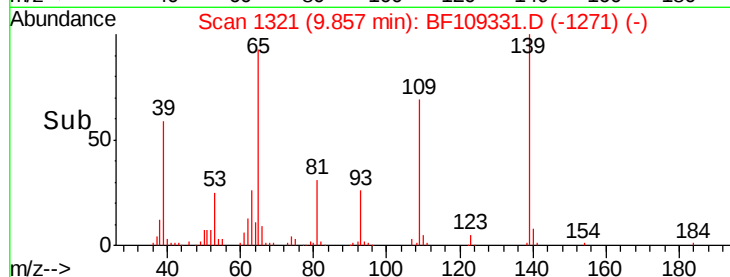
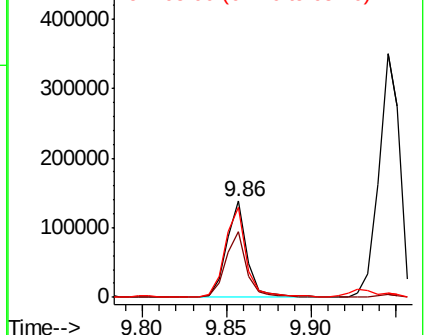
139 100

109 69.1 48.4 88.4

65 93.8 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: 46.837 ng

RT: 9.93 min Scan# 1334

Delta R.T. -0.01 min

Lab File: BF109331.D

Acq: 26 Sep 2018 12:54

Tgt Ion:165 Resp: 192657

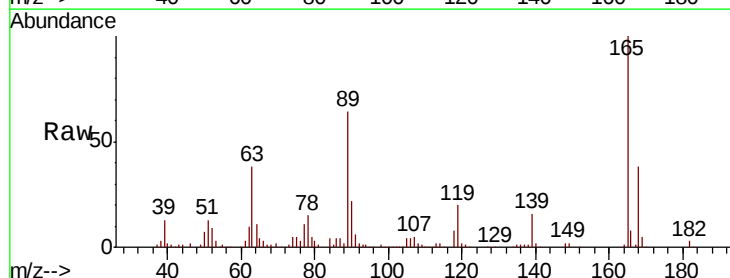
Ion Ratio Lower Upper

165 100

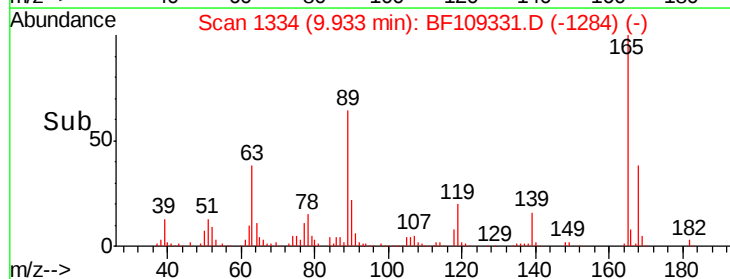
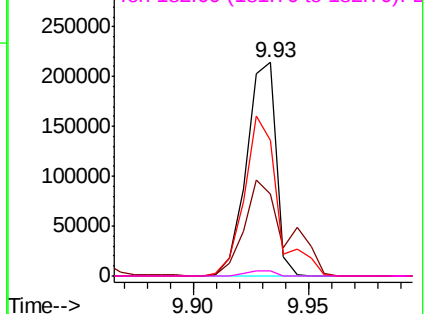
63 38.4 36.4 54.6

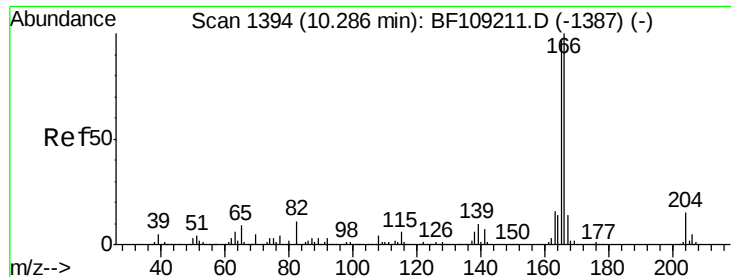
89 63.5 57.8 86.6

182 2.6 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

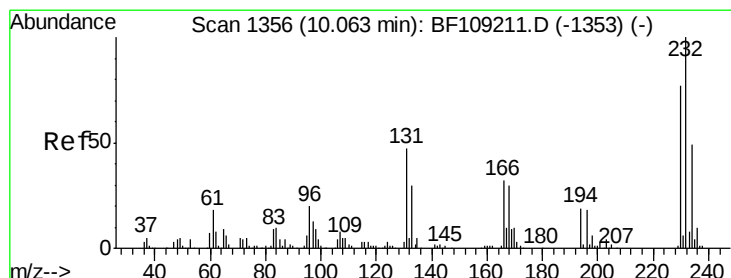
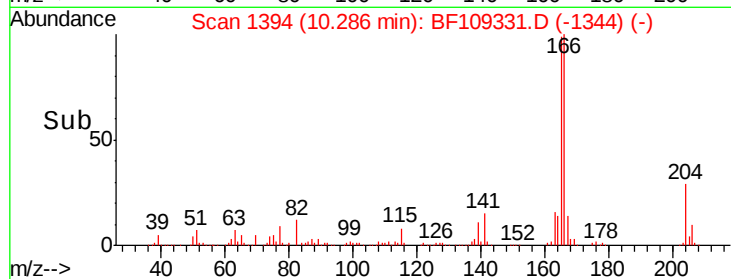
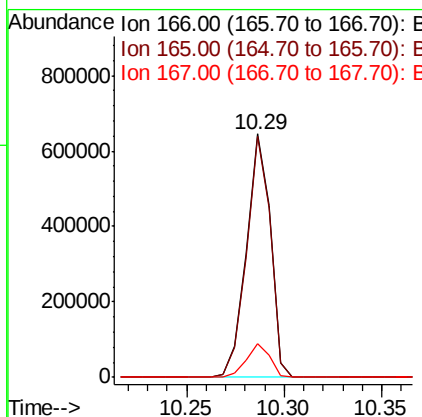
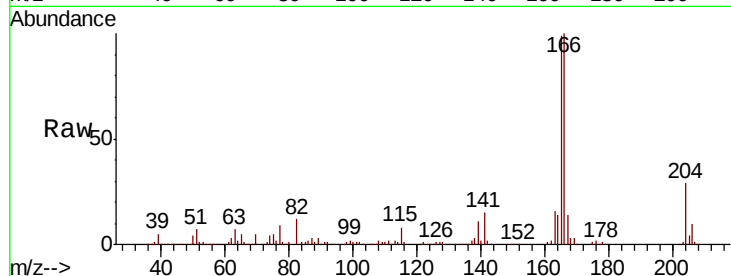




#57  
 Fluorene  
 Concen: 38.744 ng  
 RT: 10.29 min Scan# 1394  
 Delta R.T. -0.01 min  
 Lab File: BF109331.D  
 Acq: 26 Sep 2018 12:54

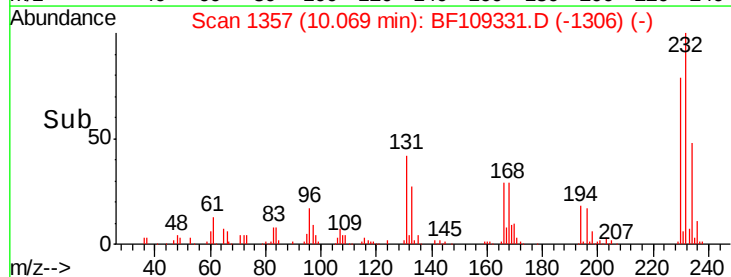
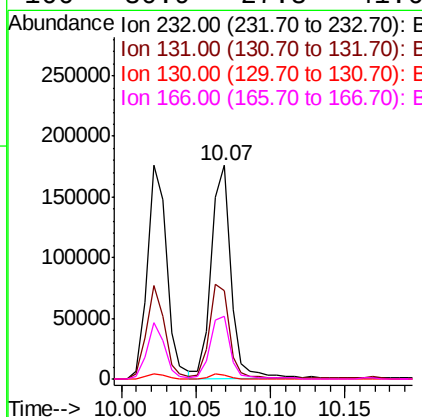
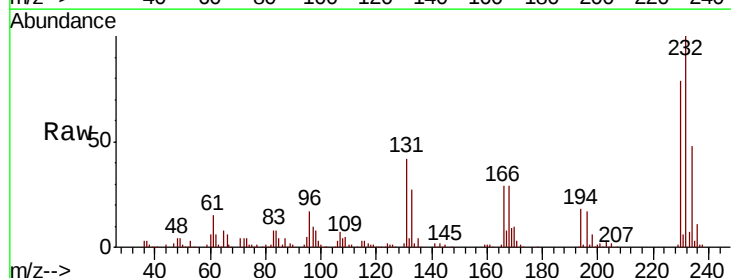
Instrument :  
 BNA\_F  
 ClientSampleId :

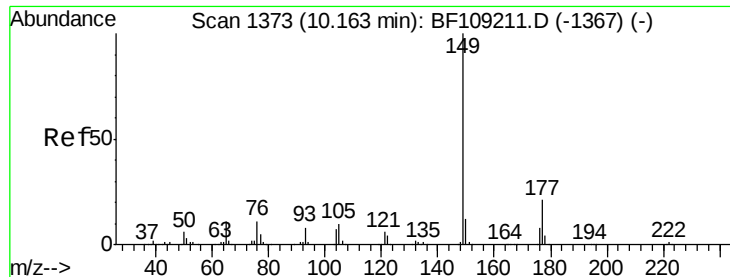
Tot Ion:166 Resp: 550804  
 Ion Ratio Lower Upper  
 166 100  
 165 99.0 79.8 119.8  
 167 13.8 10.6 16.0



#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 42.131 ng  
 RT: 10.07 min Scan# 1357  
 Delta R.T. 0.00 min  
 Lab File: BF109331.D  
 Acq: 26 Sep 2018 12:54

Tgt Ion:232 Resp: 162405  
 Ion Ratio Lower Upper  
 232 100  
 131 46.7 43.8 65.8  
 130 2.2 2.1 3.1  
 166 30.9 27.8 41.6

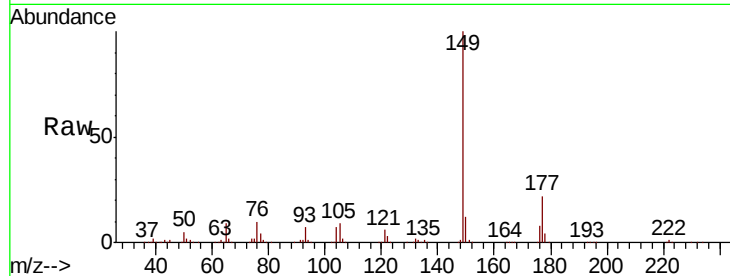




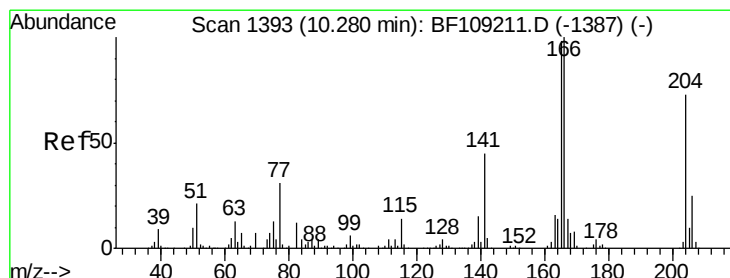
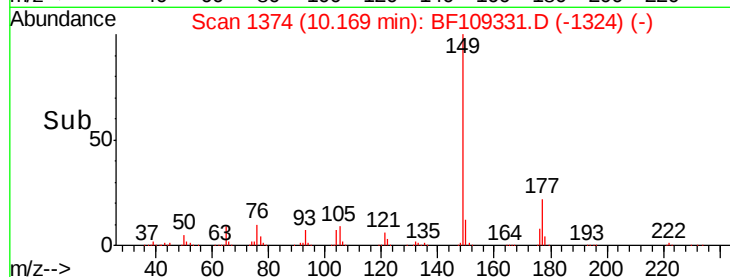
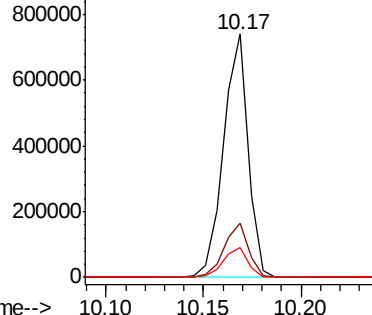
#59  
Diethylphthalate  
Concen: 38.847 ng  
RT: 10.17 min Scan# 1374  
Delta R.T. -0.01 min  
Lab File: BF109331.D  
Acq: 26 Sep 2018 12:54

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:149 Resp: 645708  
Ion Ratio Lower Upper  
149 100  
177 22.0 16.1 24.1  
150 12.3 10.1 15.1

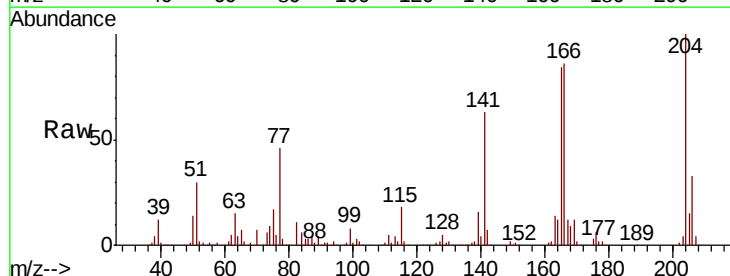


Abundance Ion 149.00 (148.70 to 149.70): E  
1000000 Ion 177.00 (176.70 to 177.70): E  
Ion 150.00 (149.70 to 150.70): E

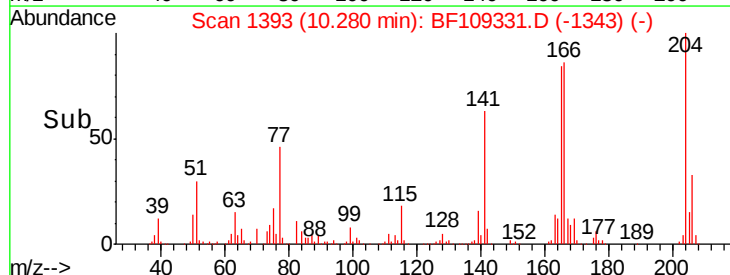
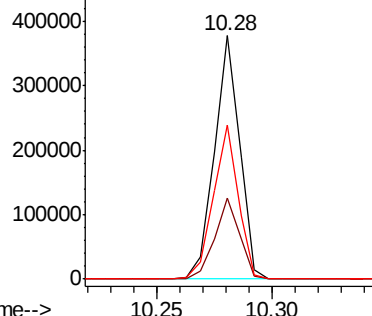


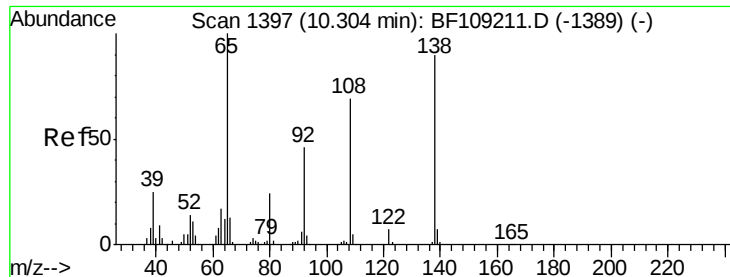
#60  
4-Chlorophenyl-phenylether  
Concen: 38.854 ng  
RT: 10.28 min Scan# 1393  
Delta R.T. -0.01 min  
Lab File: BF109331.D  
Acq: 26 Sep 2018 12:54

Tgt Ion:204 Resp: 288506  
Ion Ratio Lower Upper  
204 100  
206 33.4 26.5 39.7  
141 63.0 54.6 81.8



Abundance Ion 204.00 (203.70 to 204.70): E  
500000 Ion 206.00 (205.70 to 206.70): E  
Ion 141.00 (140.70 to 141.70): E

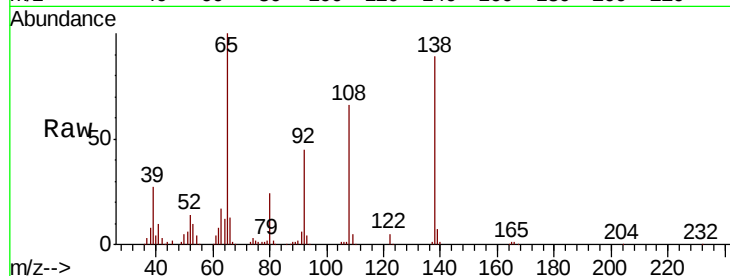




#61  
4-Nitroaniline  
Concen: 44.980 ng  
RT: 10.30 min Scan# 1397  
Delta R.T. -0.02 min  
Lab File: BF109331.D  
Acq: 26 Sep 2018 12:54

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 51.2  | 30.2  | 70.2  |
| 108     | 74.8  | 52.5  | 92.5  |

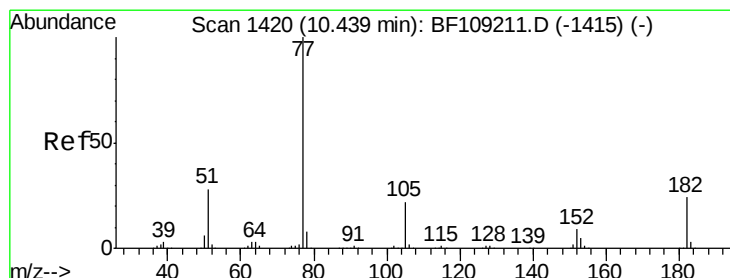
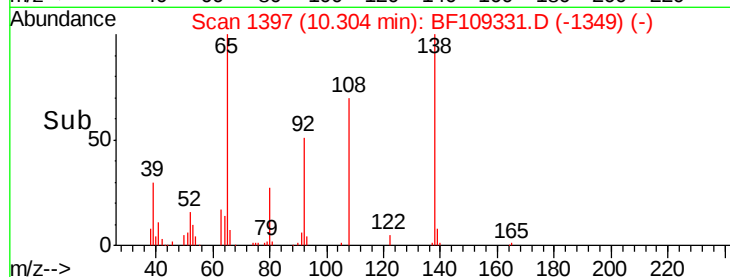
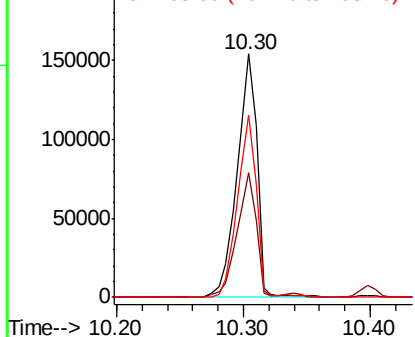


Abundance

Ion 138.00 (137.70 to 138.70): E

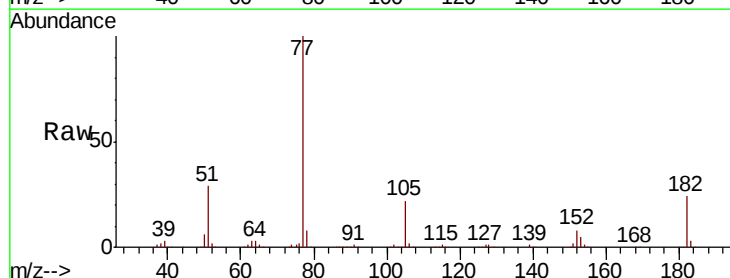
Ion 92.00 (91.70 to 92.70): BF1

Ion 108.00 (107.70 to 108.70): E



#62  
Azobenzene  
Concen: 38.141 ng  
RT: 10.44 min Scan# 1420  
Delta R.T. -0.01 min  
Lab File: BF109331.D  
Acq: 26 Sep 2018 12:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 182     | 23.8  | 1.7   | 41.7  |
| 105     | 21.7  | 3.0   | 43.0  |
| 51      | 28.7  | 9.9   | 49.9  |



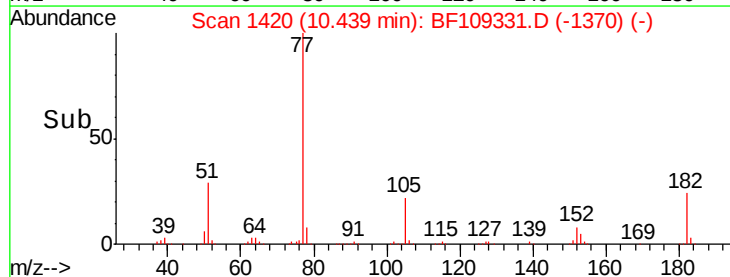
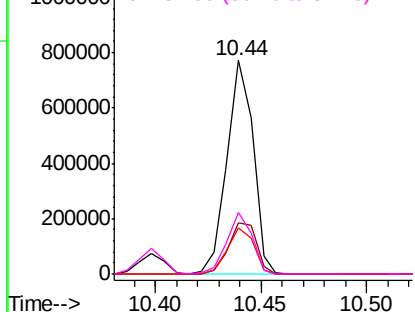
Abundance

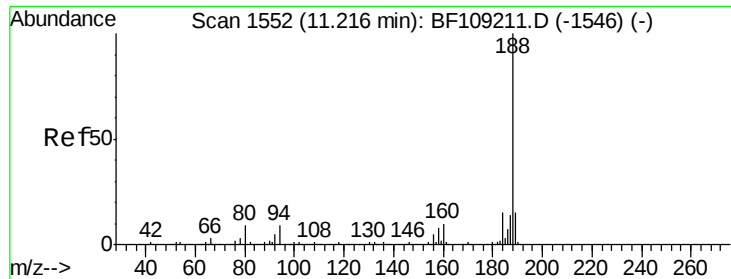
Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1

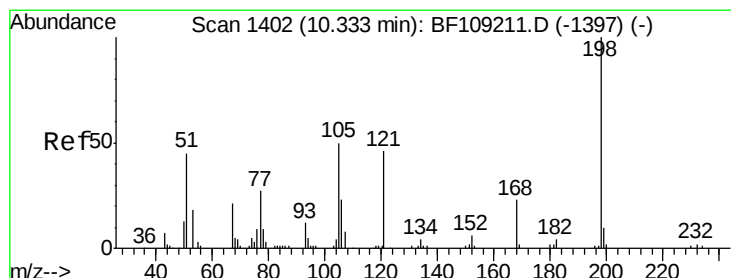
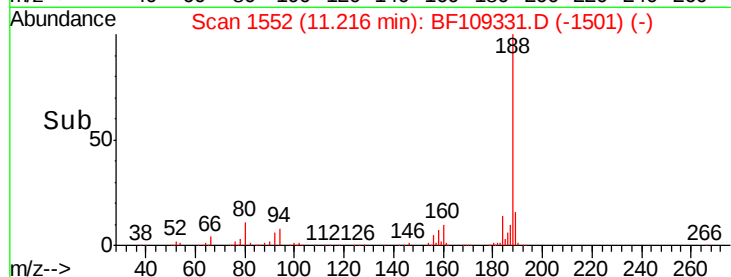
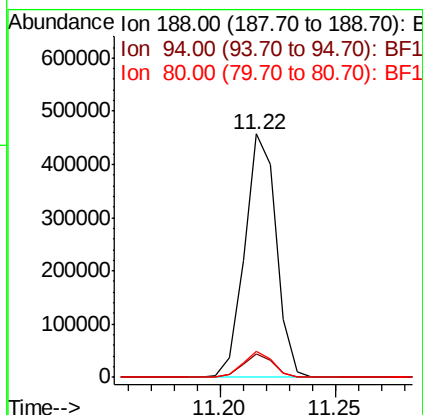
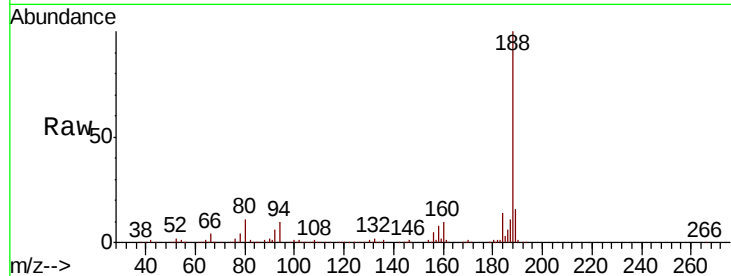




#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.22 min Scan# 1552  
 Delta R.T. 0.00 min  
 Lab File: BF109331.D  
 Acq: 26 Sep 2018 12:54

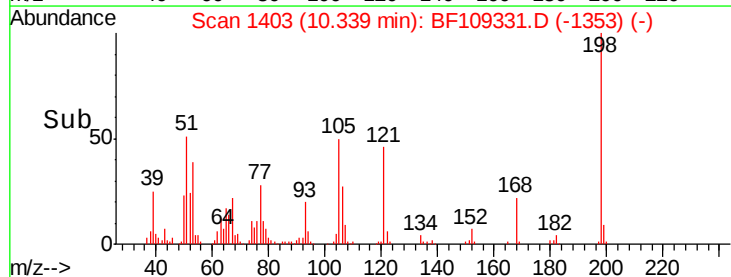
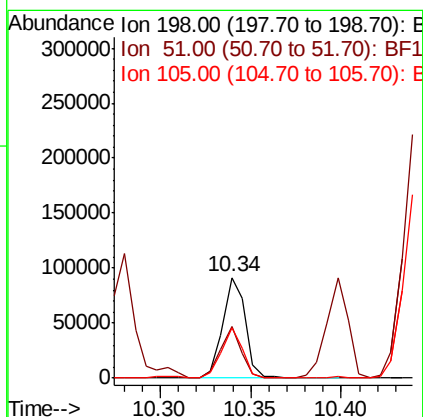
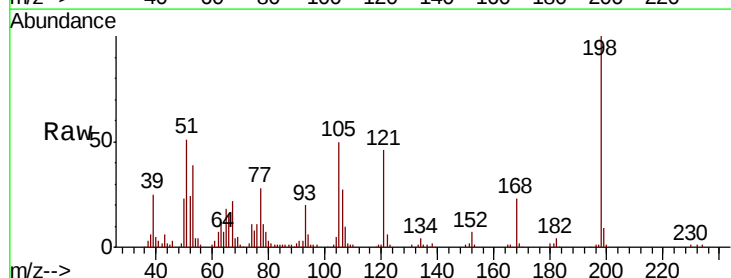
Instrument :  
 BNA\_F  
 ClientSampleId :

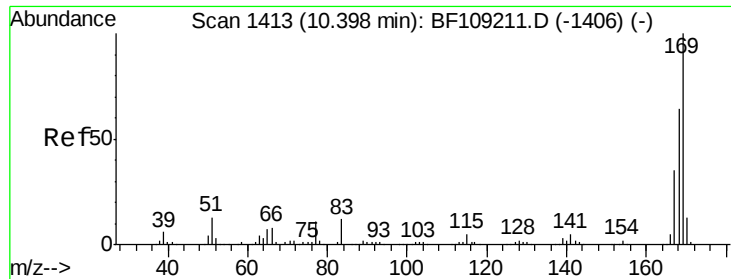
Tot Ion:188 Resp: 436684  
 Ion Ratio Lower Upper  
 188 100  
 94 9.7 8.5 12.7  
 80 10.9 9.2 13.8



#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 45.996 ng  
 RT: 10.34 min Scan# 1403  
 Delta R.T. -0.01 min  
 Lab File: BF109331.D  
 Acq: 26 Sep 2018 12:54

Tgt Ion:198 Resp: 79841  
 Ion Ratio Lower Upper  
 198 100  
 51 51.2 37.7 77.7  
 105 50.2 36.3 76.3

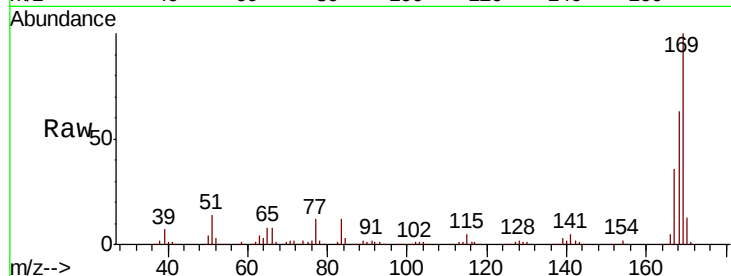




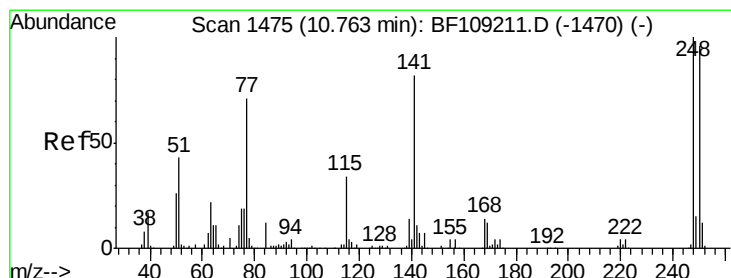
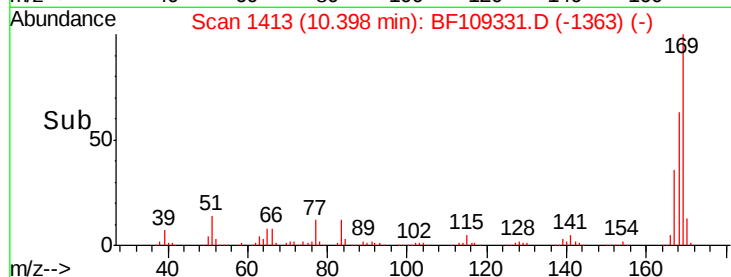
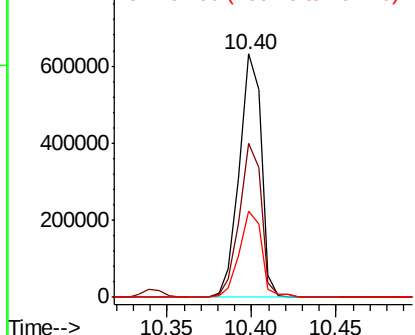
#65  
 n-Nitrosodiphenylamine  
 Concen: 39.817 ng  
 RT: 10.40 min Scan# 1413  
 Delta R.T. -0.01 min  
 Lab File: BF109331.D  
 Acq: 26 Sep 2018 12:54

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:169 Resp: 574481  
 Ion Ratio Lower Upper  
 169 100  
 168 63.5 54.4 81.6  
 167 35.5 29.8 44.6

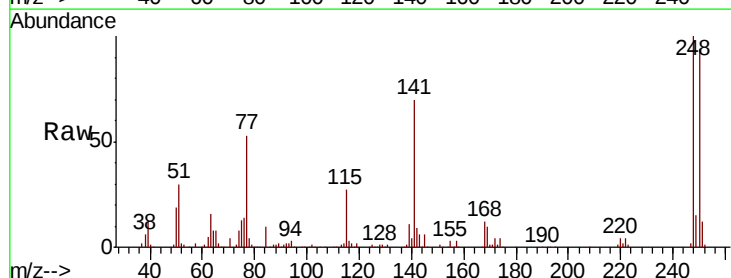


Abundance Ion 169.00 (168.70 to 169.70): E  
 Ion 168.00 (167.70 to 168.70): E  
 Ion 167.00 (166.70 to 167.70): E

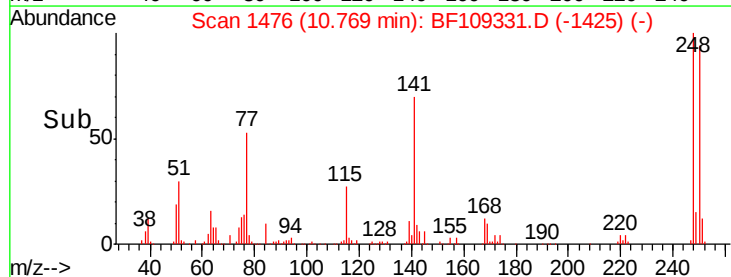
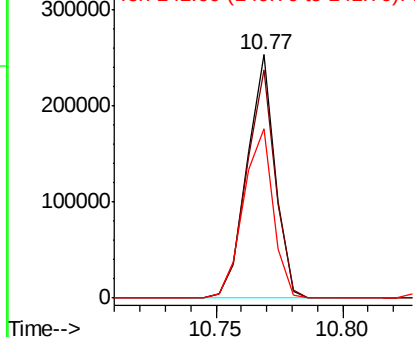


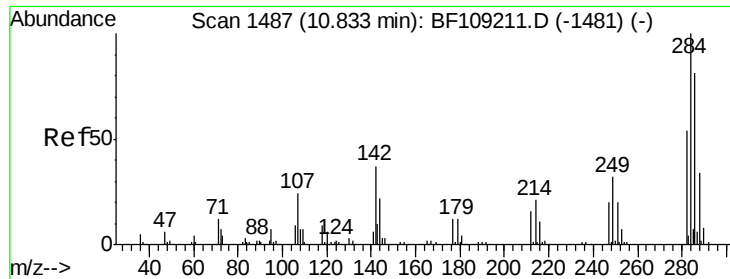
#66  
 4-Bromophenyl-phenylether  
 Concen: 40.383 ng  
 RT: 10.77 min Scan# 1476  
 Delta R.T. 0.00 min  
 Lab File: BF109331.D  
 Acq: 26 Sep 2018 12:54

Tgt Ion:248 Resp: 195827  
 Ion Ratio Lower Upper  
 248 100  
 250 93.8 76.9 115.3  
 141 69.6 74.4 111.6#



Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

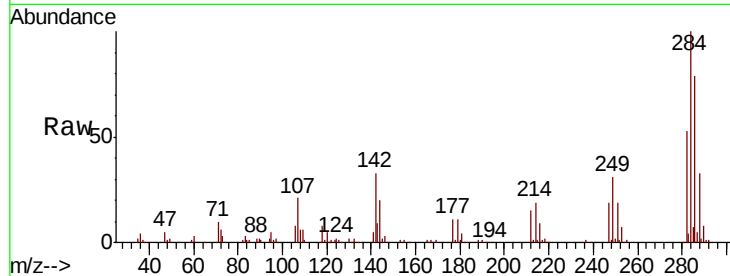




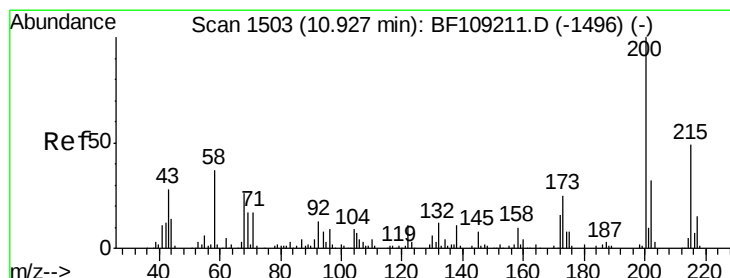
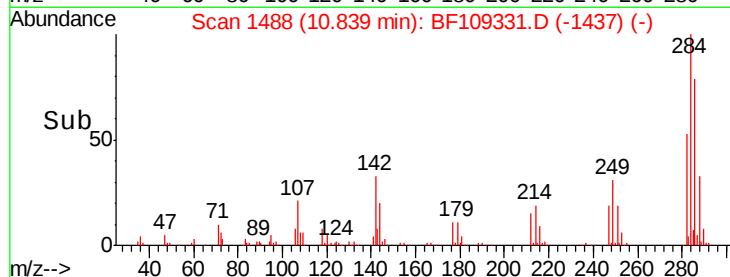
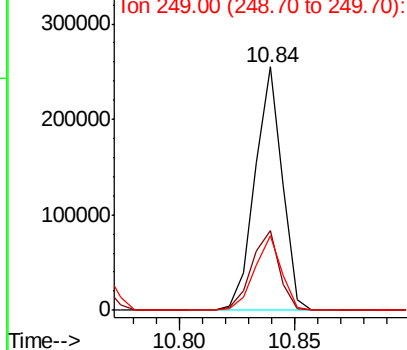
#67  
Hexachlorobenzene  
Concen: 40.840 ng  
RT: 10.84 min Scan# 1488  
Delta R.T. 0.00 min  
Lab File: BF109331.D  
Acq: 26 Sep 2018 12:54

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:284 Resp: 210331  
Ion Ratio Lower Upper  
284 100  
142 32.9 34.6 52.0#  
249 30.8 24.8 37.2

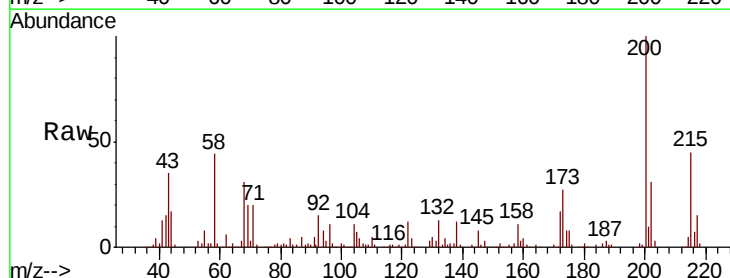


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

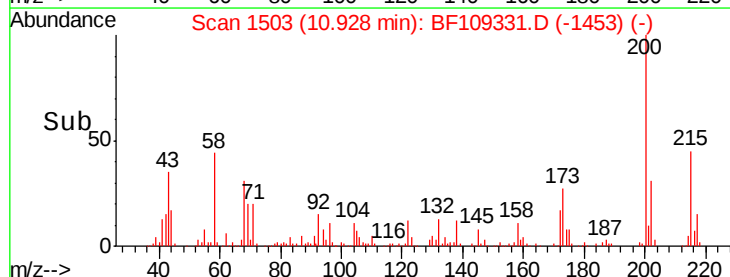
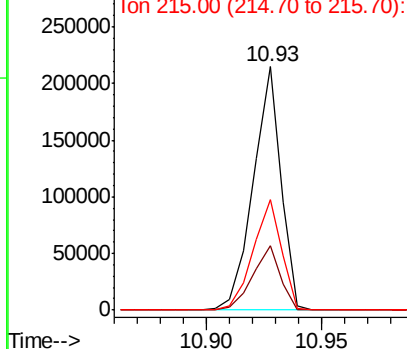


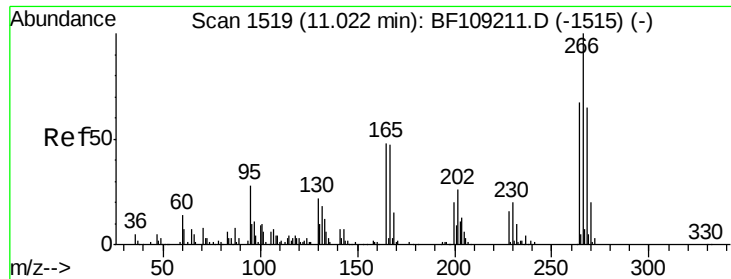
#68  
Atrazine  
Concen: 40.663 ng  
RT: 10.93 min Scan# 1503  
Delta R.T. -0.01 min  
Lab File: BF109331.D  
Acq: 26 Sep 2018 12:54

Tgt Ion:200 Resp: 180433  
Ion Ratio Lower Upper  
200 100  
173 26.5 8.6 48.6  
215 45.2 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

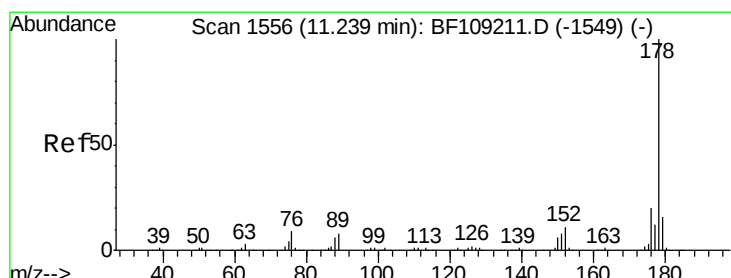
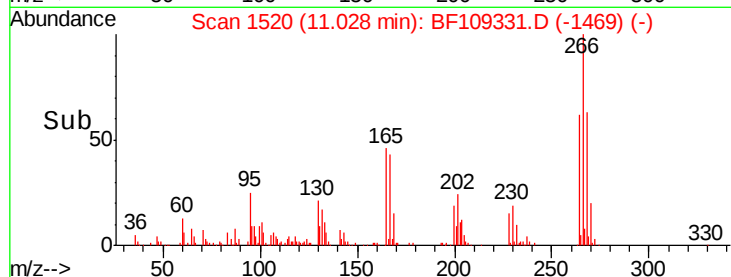
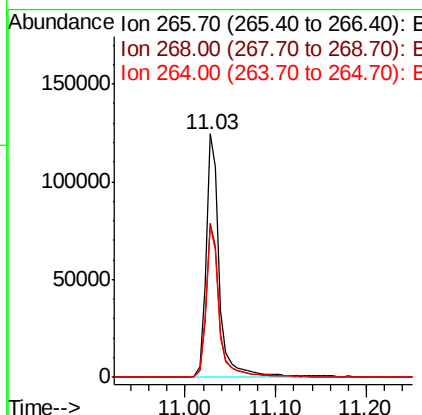
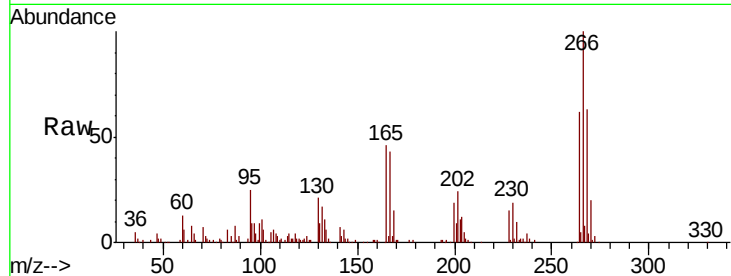




#69  
 Pentachlorophenol  
 Concen: 42.413 ng  
 RT: 11.03 min Scan# 1520  
 Delta R.T. 0.00 min  
 Lab File: BF109331.D  
 Acq: 26 Sep 2018 12:54

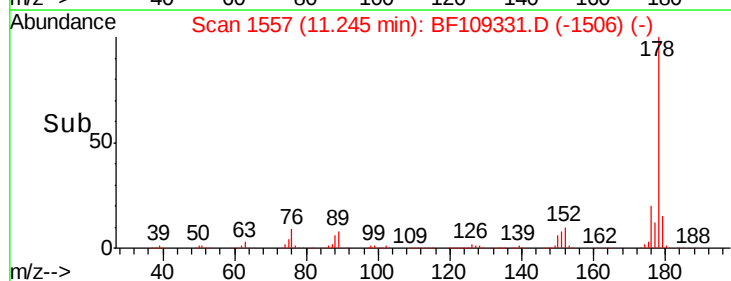
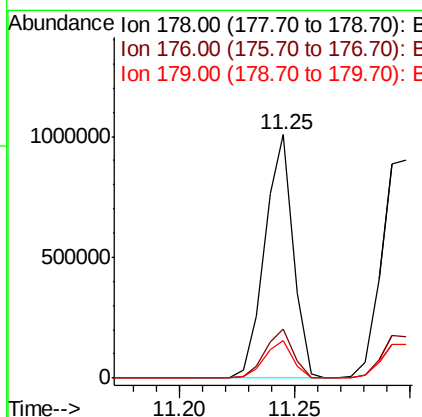
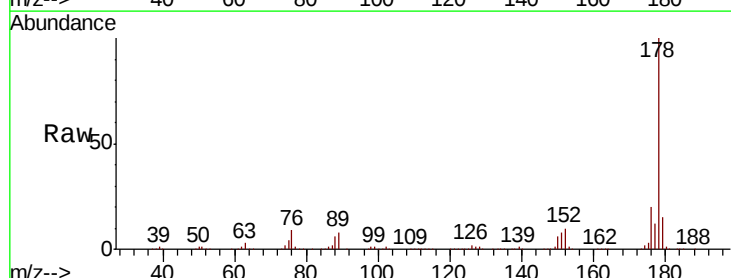
Instrument :  
 BNA\_F  
 ClientSampleId :

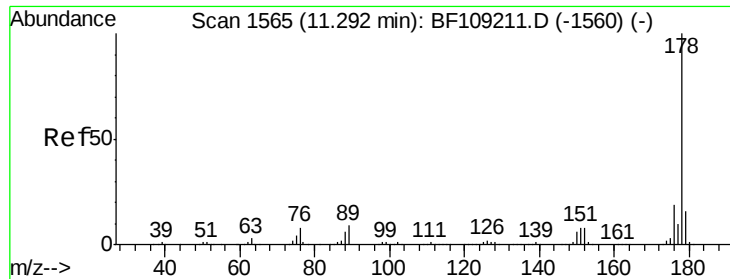
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 63.2  | 51.1  | 76.7  |
| 264     | 62.1  | 49.5  | 74.3  |



#70  
 Phenanthrene  
 Concen: 39.411 ng  
 RT: 11.25 min Scan# 1557  
 Delta R.T. 0.00 min  
 Lab File: BF109331.D  
 Acq: 26 Sep 2018 12:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 20.1  | 15.8  | 23.8  |
| 179     | 15.5  | 13.0  | 19.6  |

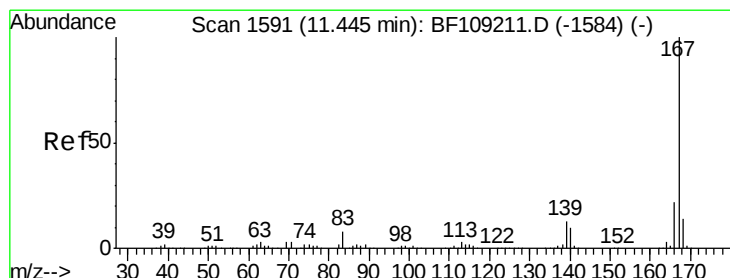
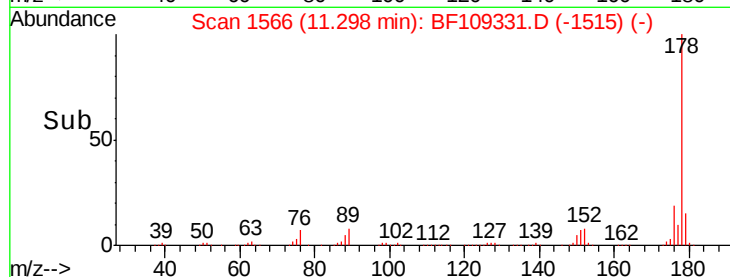
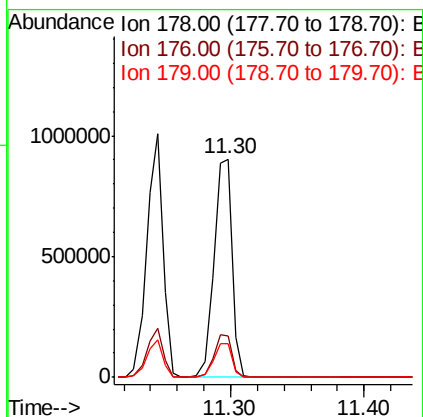
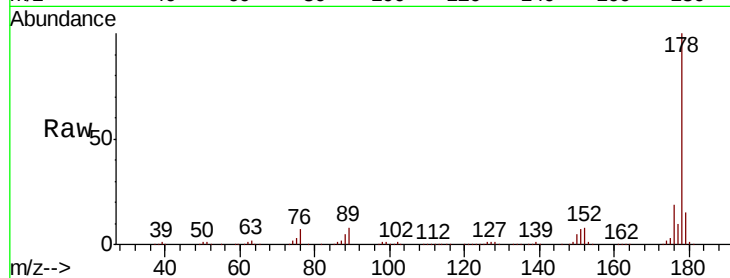




#71  
 Anthracene  
 Concen: 39.133 ng  
 RT: 11.30 min Scan# 1566  
 Delta R.T. 0.00 min  
 Lab File: BF109331.D  
 Acq: 26 Sep 2018 12:54

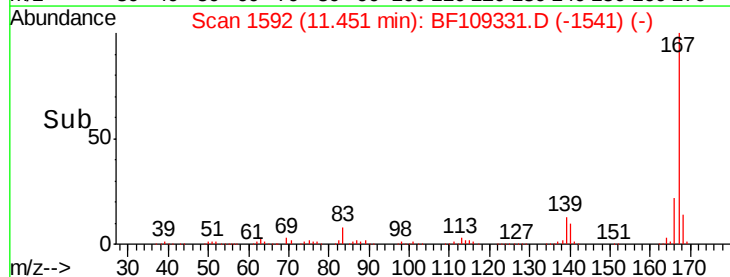
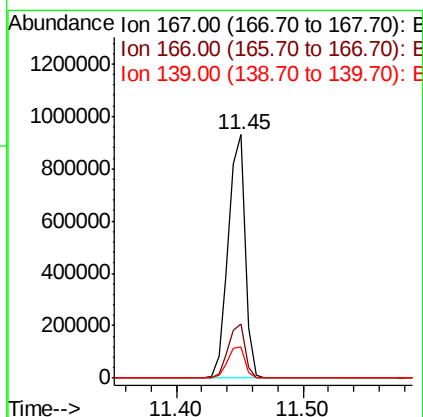
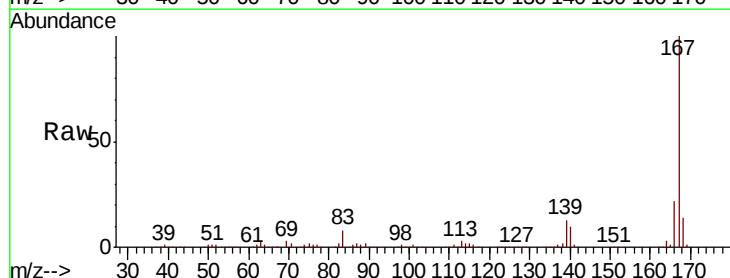
Instrument :  
 BNA\_F  
 ClientSampleId :

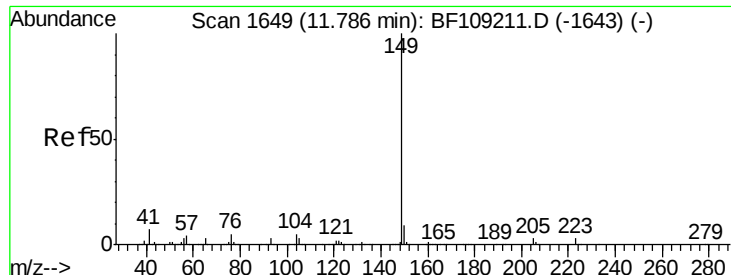
Tot Ion:178 Resp: 865408  
 Ion Ratio Lower Upper  
 178 100  
 176 19.2 15.4 23.2  
 179 15.4 12.6 19.0



#72  
 Carbazole  
 Concen: 39.019 ng  
 RT: 11.45 min Scan# 1592  
 Delta R.T. 0.00 min  
 Lab File: BF109331.D  
 Acq: 26 Sep 2018 12:54

Tgt Ion:167 Resp: 858534  
 Ion Ratio Lower Upper  
 167 100  
 166 22.0 17.6 26.4  
 139 12.7 10.9 16.3





#73

Di-n-butylphthalate

Concen: 38.973 ng

RT: 11.79 min Scan# 1649

Delta R.T. 0.00 min

Lab File: BF109331.D

Acq: 26 Sep 2018 12:54

Instrument :

BNA\_F

ClientSampleId :

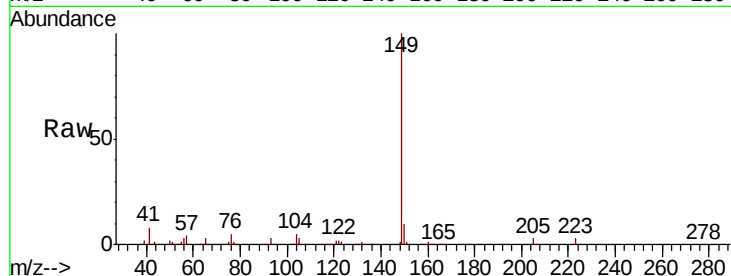
Tot Ion:149 Resp: 987187

Ion Ratio Lower Upper

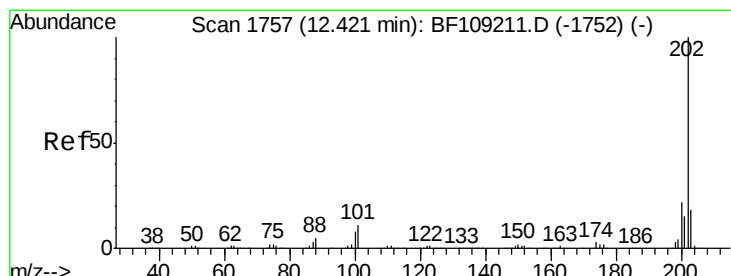
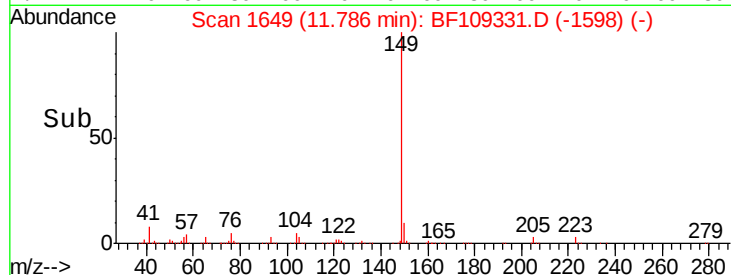
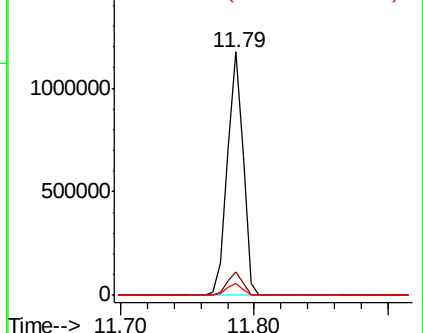
149 100

150 9.5 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: 38.659 ng

RT: 12.43 min Scan# 1758

Delta R.T. 0.00 min

Lab File: BF109331.D

Acq: 26 Sep 2018 12:54

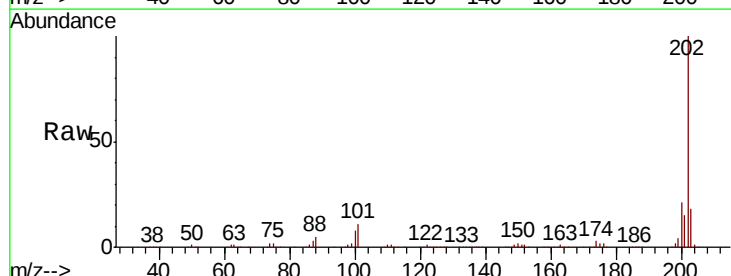
Tgt Ion:202 Resp: 900776

Ion Ratio Lower Upper

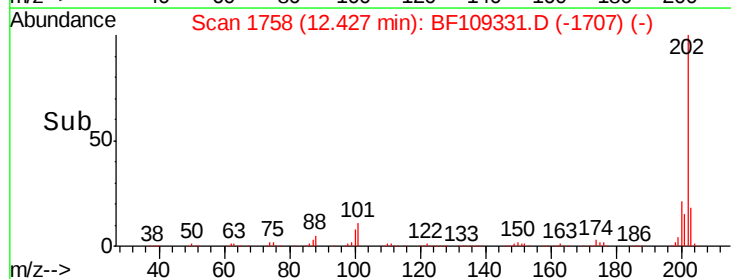
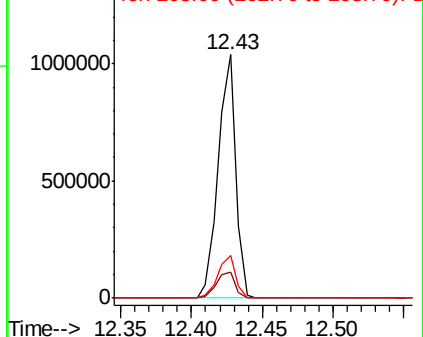
202 100

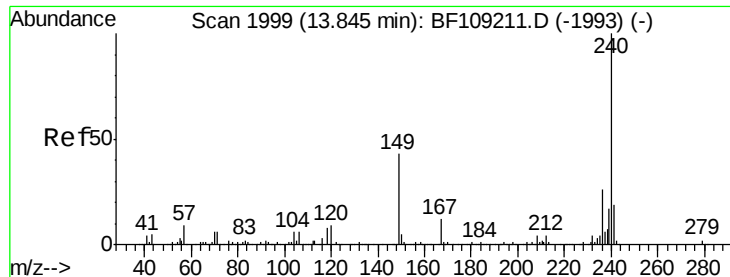
101 10.6 0.0 34.1

203 17.7 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: 13.84 min Scan# 1999

Delta R.T. 0.00 min

Lab File: BF109331.D

Acq: 26 Sep 2018 12:54

Instrument :

BNA\_F

ClientSampled :

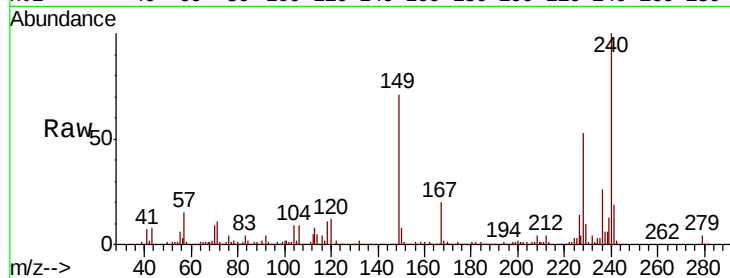
Tot Ion:240 Resp: 314032

Ion Ratio Lower Upper

240 100

120 12.3 9.5 14.3

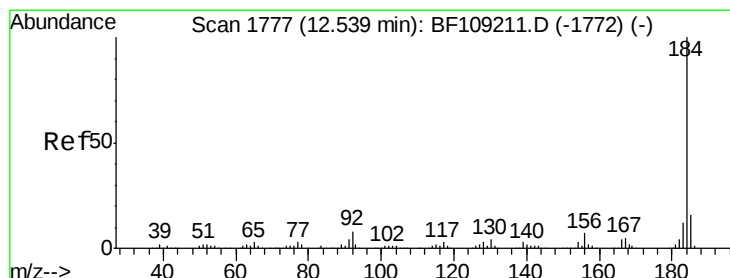
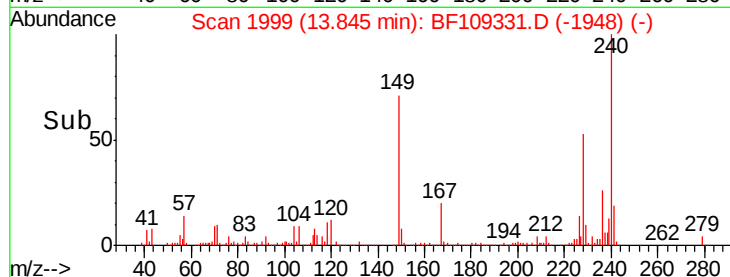
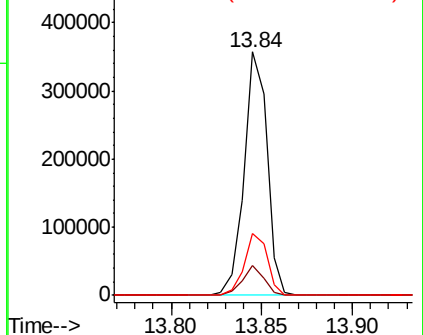
236 25.6 20.7 31.1



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: 42.002 ng

RT: 12.55 min Scan# 1778

Delta R.T. 0.00 min

Lab File: BF109331.D

Acq: 26 Sep 2018 12:54

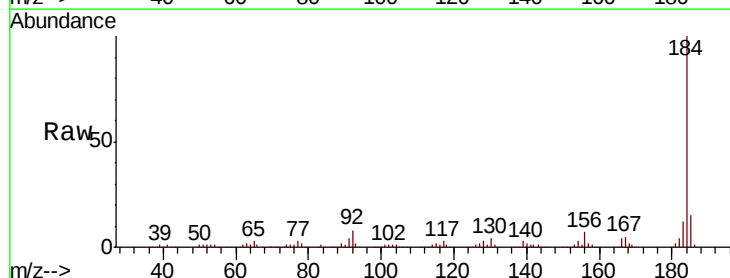
Tgt Ion:184 Resp: 475558

Ion Ratio Lower Upper

184 100

185 15.1 12.6 18.8

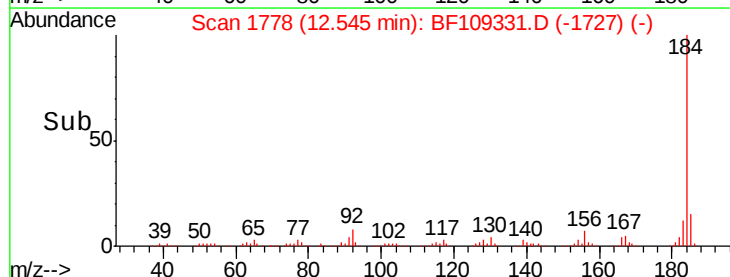
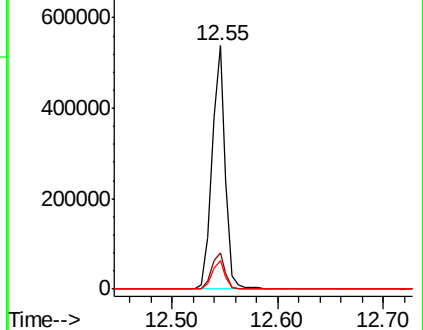
183 11.6 9.3 13.9

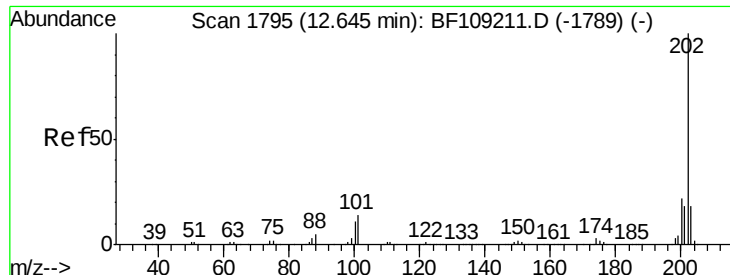


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

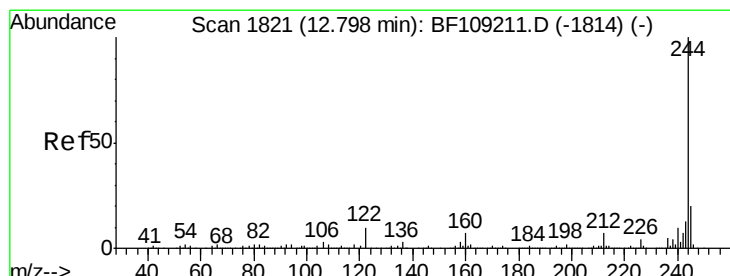
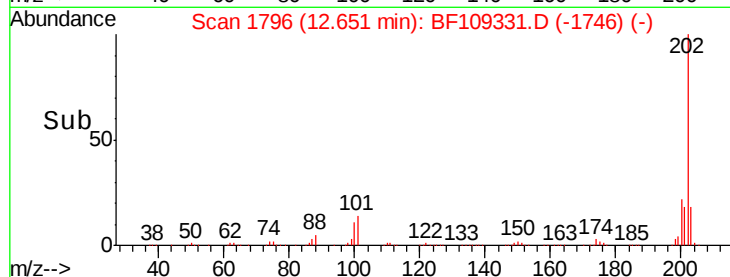
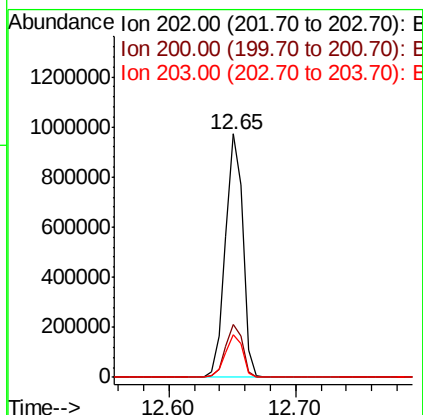
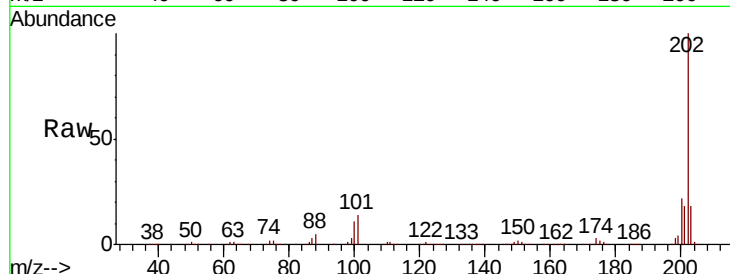




#77  
Pvrene  
Concen: 41.031 ng  
RT: 12.65 min Scan# 1796  
Delta R.T. -0.01 min  
Lab File: BF109331.D  
Acq: 26 Sep 2018 12:54

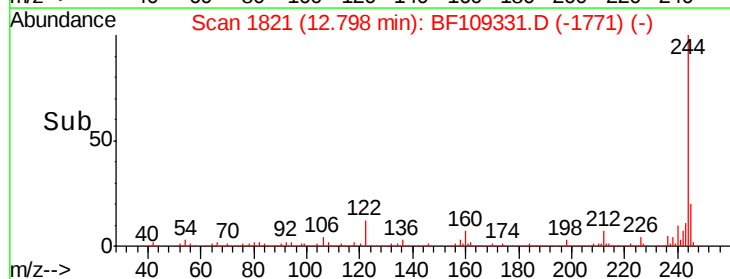
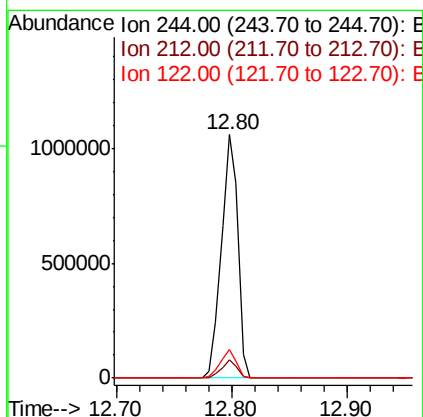
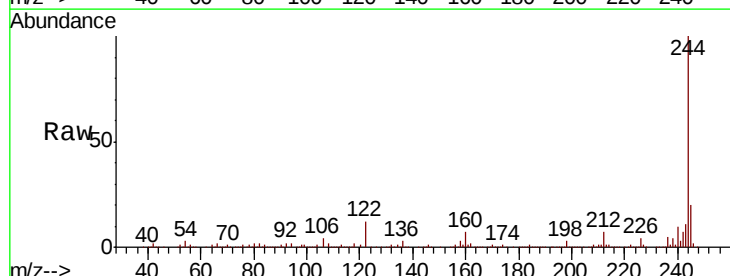
Instrument :  
BNA\_F  
ClientSampleId :

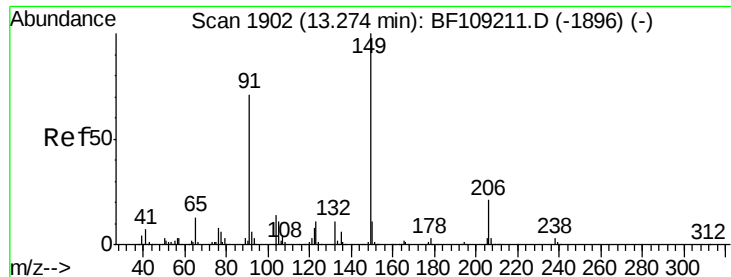
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 22.0  | 17.4  | 26.2  |
| 203     | 17.8  | 14.3  | 21.5  |



#78  
Terphenyl-d14  
Concen: 81.609 ng  
RT: 12.80 min Scan# 1821  
Delta R.T. -0.01 min  
Lab File: BF109331.D  
Acq: 26 Sep 2018 12:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.3   | 5.4   | 8.0   |
| 122     | 11.9  | 11.0  | 16.4  |

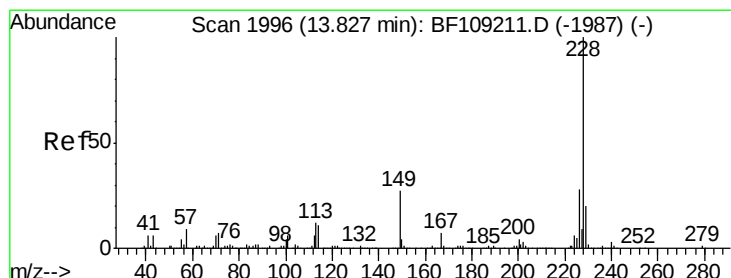
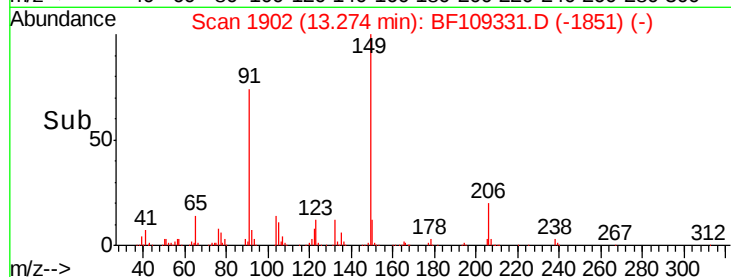
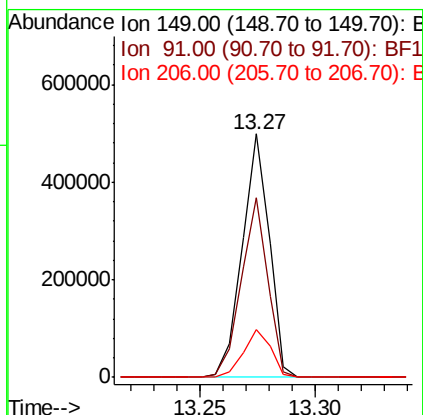
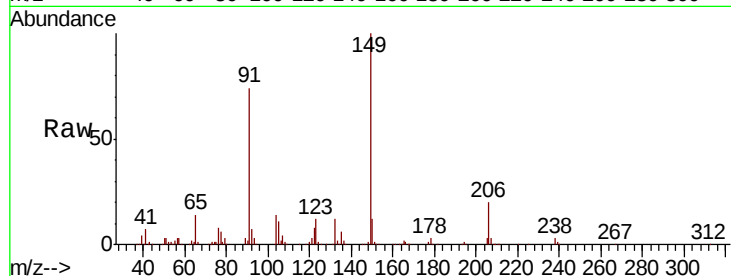




#79  
Butylbenzylphthalate  
Concen: 42.647 ng  
RT: 13.27 min Scan# 1902  
Delta R.T. 0.00 min  
Lab File: BF109331.D  
Acq: 26 Sep 2018 12:54

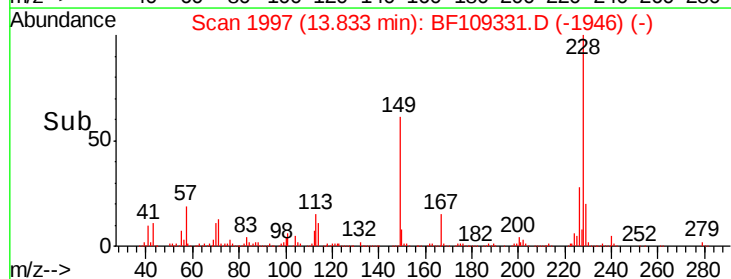
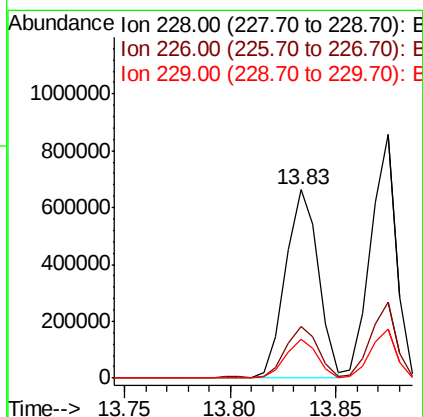
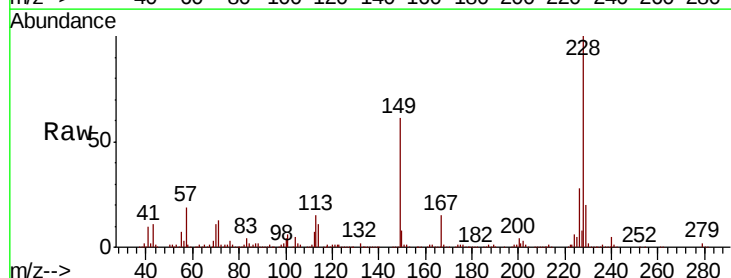
Instrument :  
BNA\_F  
ClientSampleId :

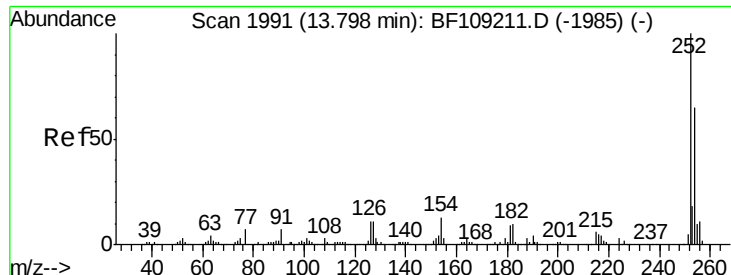
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 73.8  | 56.8  | 85.2  |
| 206     | 19.8  | 14.1  | 21.1  |



#80  
Benzo(a)anthracene  
Concen: 37.917 ng  
RT: 13.83 min Scan# 1997  
Delta R.T. 0.00 min  
Lab File: BF109331.D  
Acq: 26 Sep 2018 12:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 27.7  | 22.6  | 33.8  |
| 229     | 20.4  | 15.8  | 23.6  |

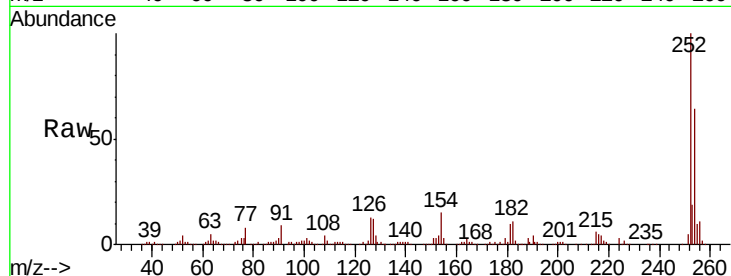




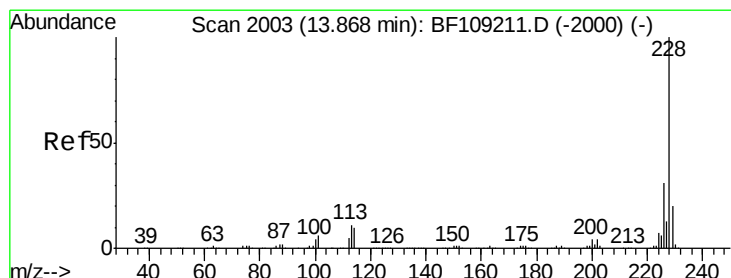
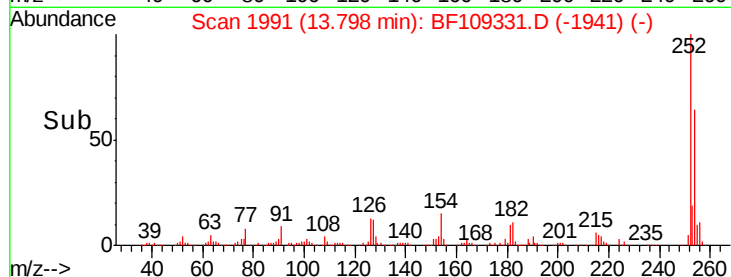
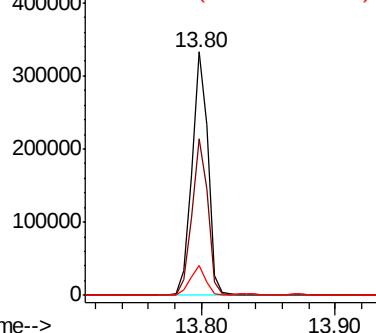
#81  
 3,3'-Dichlorobenzidine  
 Concen: 39.402 ng  
 RT: 13.80 min Scan# 1991  
 Delta R.T. -0.01 min  
 Lab File: BF109331.D  
 Acq: 26 Sep 2018 12:54

Instrument :  
 BNA\_F  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 64.3  | 50.4  | 75.6  |
| 126     | 12.5  | 11.3  | 16.9  |

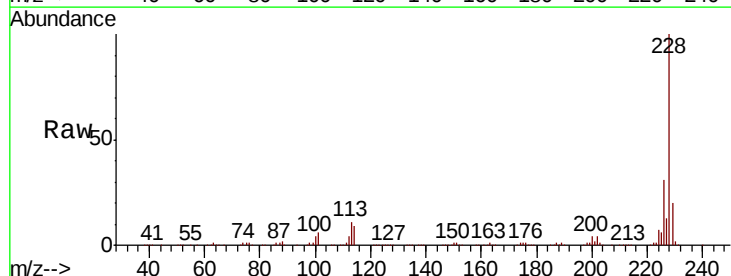


Abundance Ion 252.00 (251.70 to 252.70): E  
 Ion 254.00 (253.70 to 254.70): E  
 Ion 126.00 (125.70 to 126.70): E

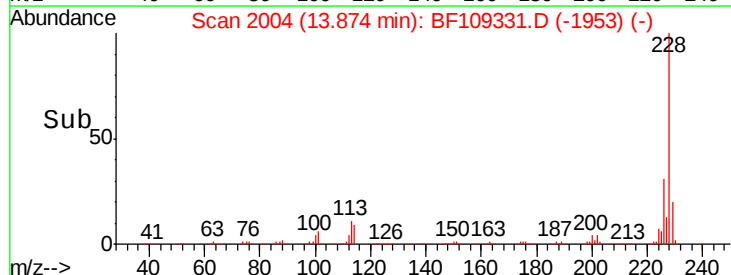
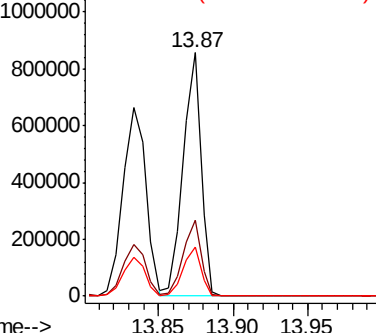


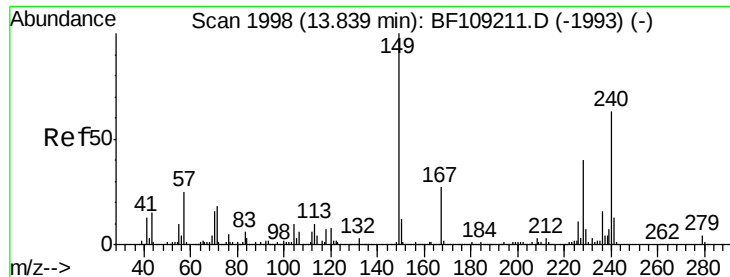
#82  
 Chrysene  
 Concen: 38.329 ng  
 RT: 13.87 min Scan# 2004  
 Delta R.T. 0.00 min  
 Lab File: BF109331.D  
 Acq: 26 Sep 2018 12:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 31.3  | 25.0  | 37.6  |
| 229     | 20.0  | 16.2  | 24.4  |



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

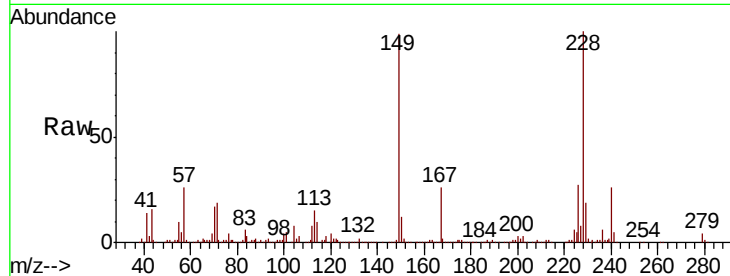




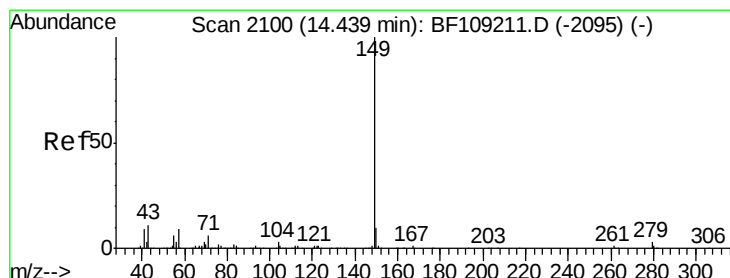
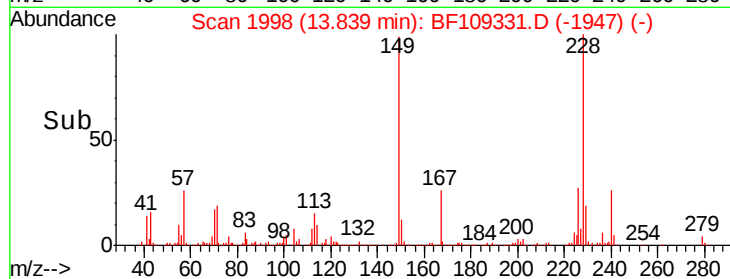
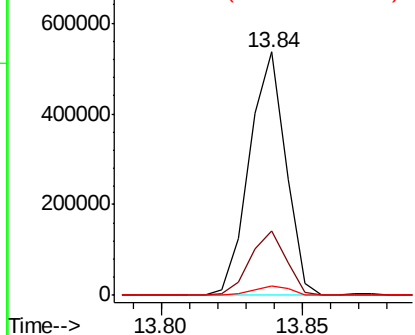
#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 39.850 ng  
 RT: 13.84 min Scan# 1998  
 Delta R.T. 0.00 min  
 Lab File: BF109331.D  
 Acq: 26 Sep 2018 12:54

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:149 Resp: 481216  
 Ion Ratio Lower Upper  
 149 100  
 167 26.2 21.3 31.9  
 279 3.8 3.0 4.4

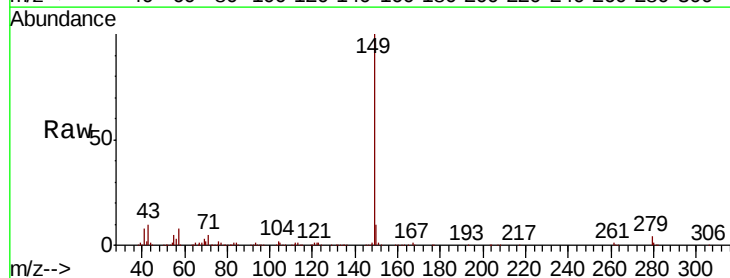


Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 167.00 (166.70 to 167.70): E  
 Ion 279.00 (278.70 to 279.70): E

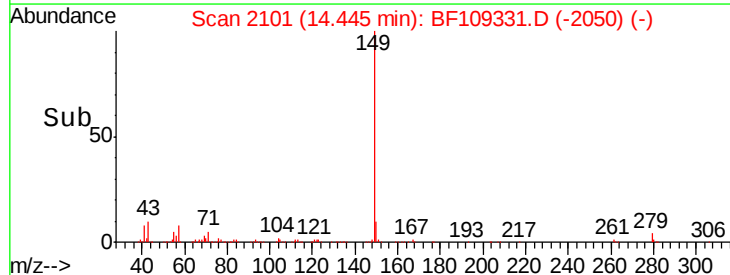
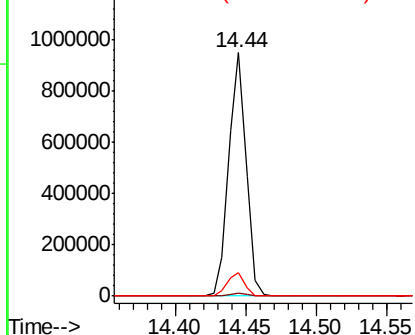


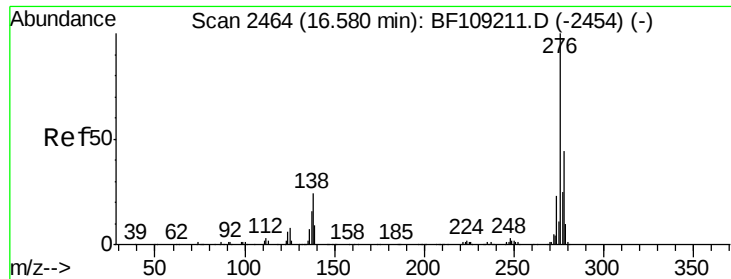
#84  
 Di-n-octyl phthalate  
 Concen: 39.241 ng  
 RT: 14.44 min Scan# 2101  
 Delta R.T. 0.00 min  
 Lab File: BF109331.D  
 Acq: 26 Sep 2018 12:54

Tgt Ion:149 Resp: 810207  
 Ion Ratio Lower Upper  
 149 100  
 167 1.4 1.2 1.8  
 43 9.7 8.4 12.6



Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 167.00 (166.70 to 167.70): E  
 Ion 43.00 (42.70 to 43.70): BF1





#85

Indeno(1,2,3-cd)pyrene

Concen: 36.895 ng

RT: 16.60 min Scan# 2467

Delta R.T. 0.01 min

Lab File: BF109331.D

Acq: 26 Sep 2018 12:54

Instrument :

BNA\_F

ClientSampleId :

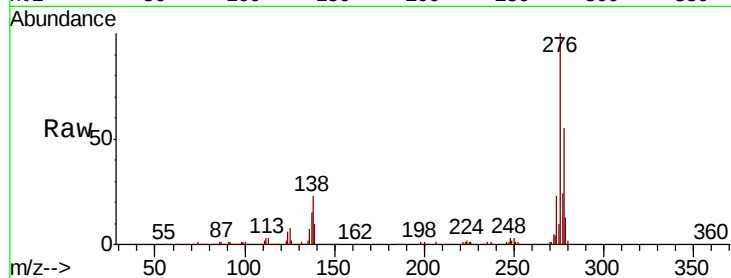
Tot Ion:276 Resp: 560660

Ion Ratio Lower Upper

276 100

138 24.7 25.0 37.6#

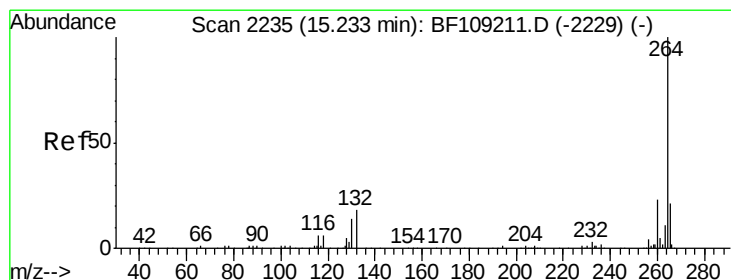
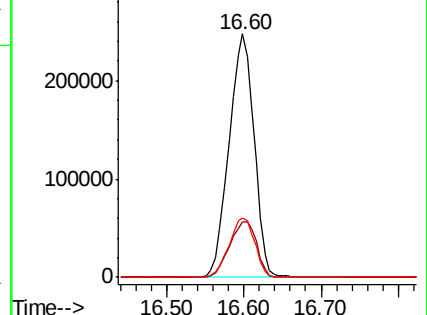
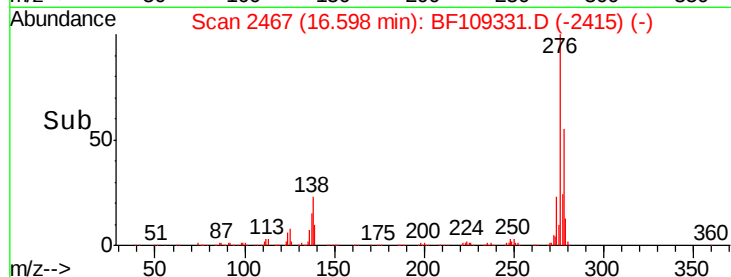
277 25.0 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.24 min Scan# 2237

Delta R.T. 0.01 min

Lab File: BF109331.D

Acq: 26 Sep 2018 12:54

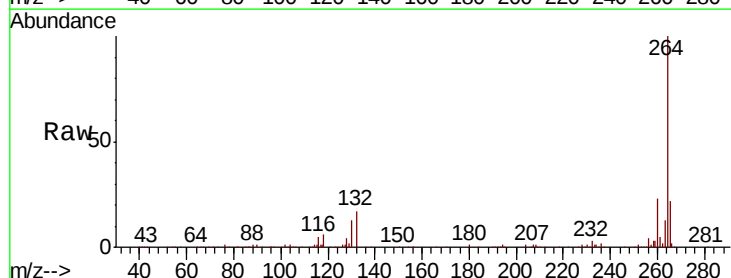
Tgt Ion:264 Resp: 266205

Ion Ratio Lower Upper

264 100

260 23.3 19.2 28.8

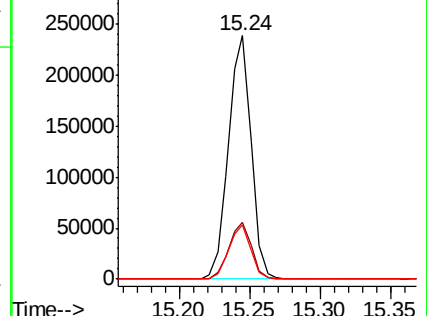
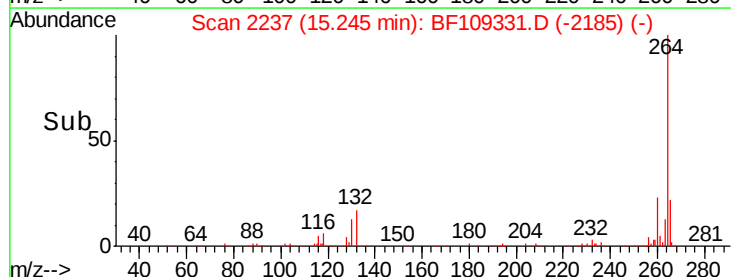
265 22.0 17.5 26.3

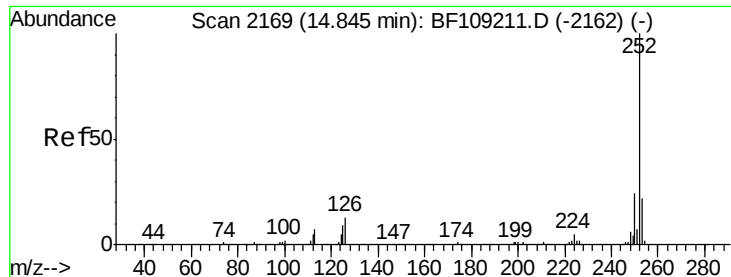


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

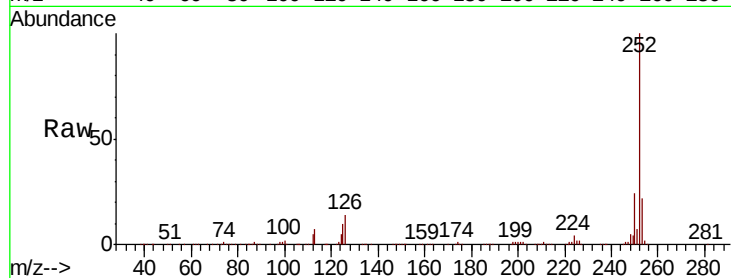




#87  
Benzo(b)fluoranthene  
Concen: 40.897 ng  
RT: 14.85 min Scan# 2170  
Delta R.T. 0.00 min  
Lab File: BF109331.D  
Acq: 26 Sep 2018 12:54

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.2  | 17.0  | 25.6  |
| 125     | 10.4  | 9.0   | 13.6  |

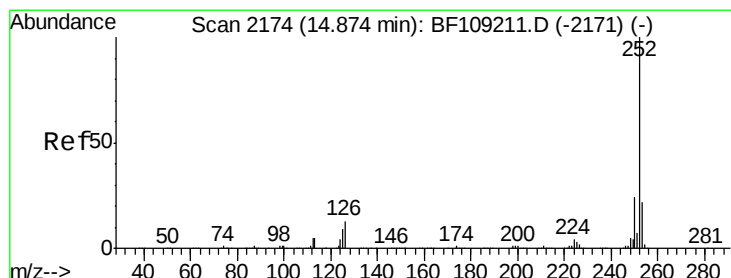
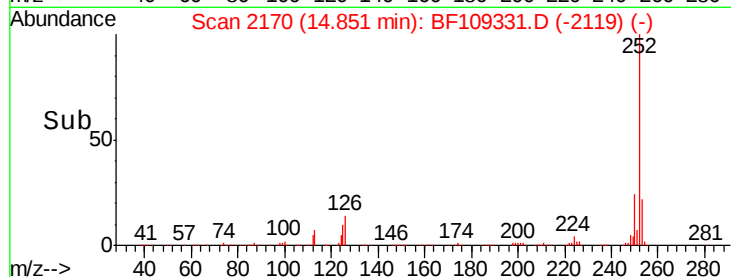
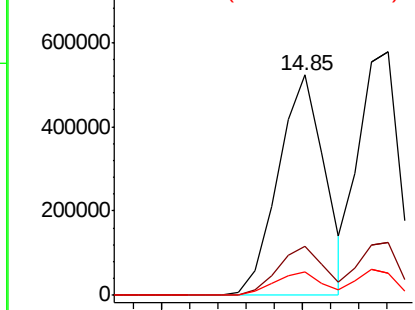


Abundance

Ion 252.00 (251.70 to 252.70): E

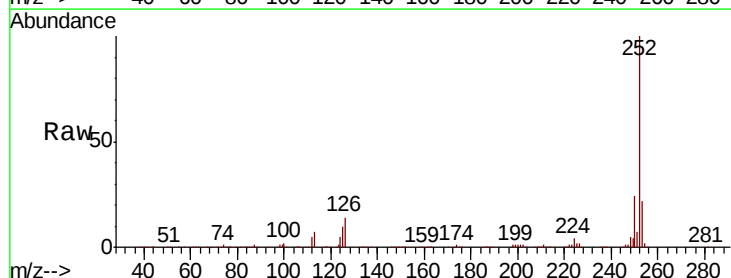
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88  
Benzo(k)fluoranthene  
Concen: 43.099 ng  
RT: 14.85 min Scan# 2170  
Delta R.T. -0.03 min  
Lab File: BF109331.D  
Acq: 26 Sep 2018 12:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.2  | 17.9  | 26.9  |
| 125     | 10.4  | 10.2  | 15.2  |

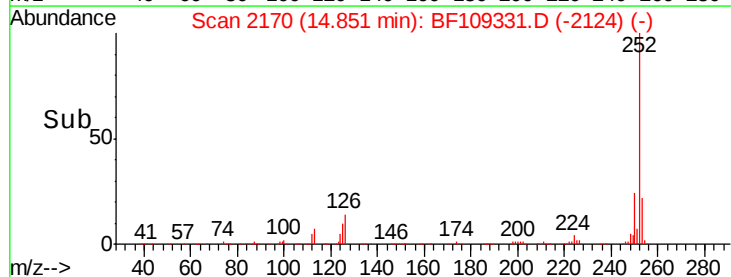
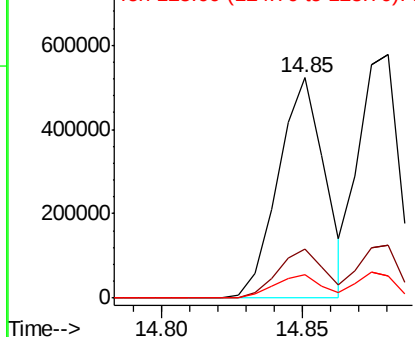


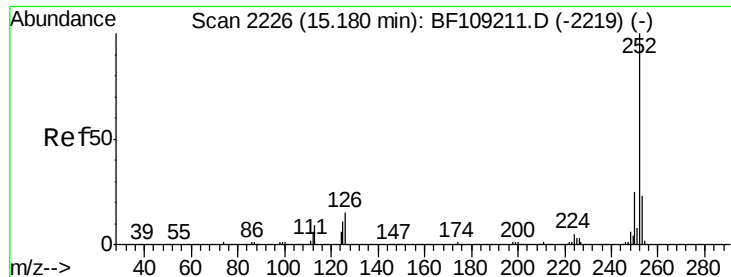
Abundance

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

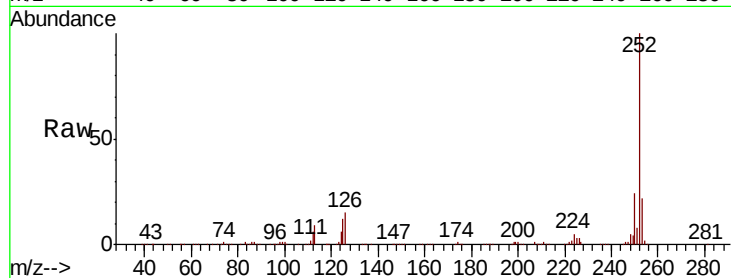




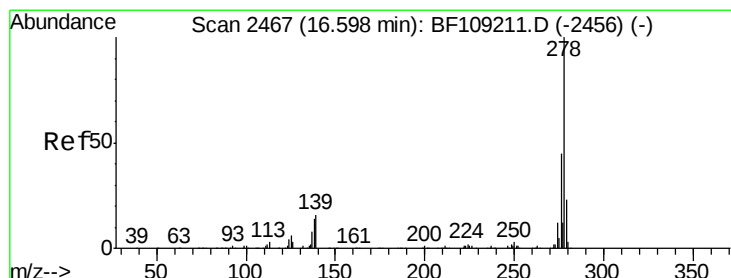
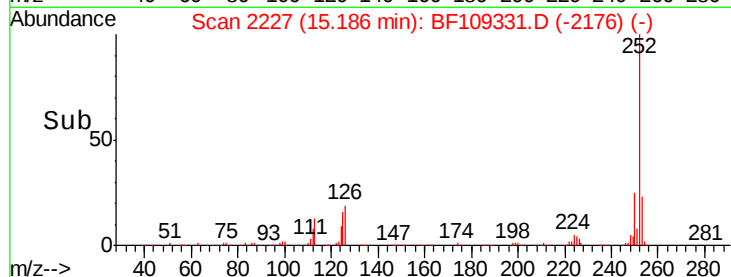
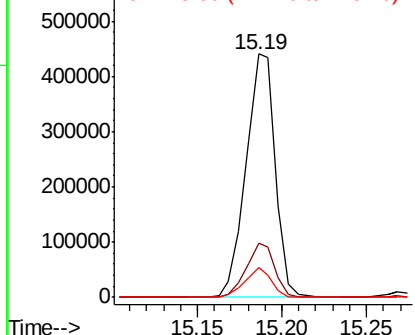
#89  
Benzo(a)pyrene  
Concen: 40.474 ng  
RT: 15.19 min Scan# 2227  
Delta R.T. 0.00 min  
Lab File: BF109331.D  
Acq: 26 Sep 2018 12:54

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:252 Resp: 533486  
Ion Ratio Lower Upper  
252 100  
253 22.2 17.1 25.7  
125 12.1 9.8 14.6

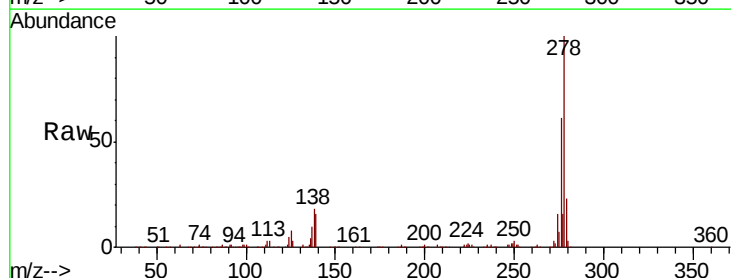


Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

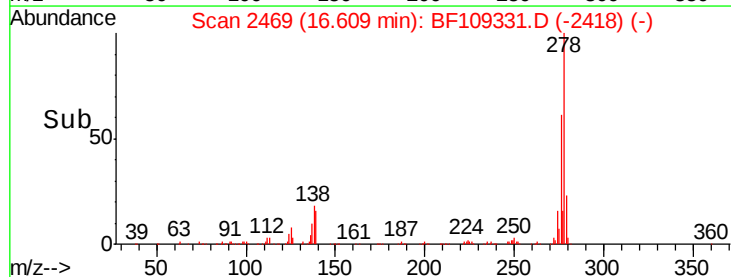
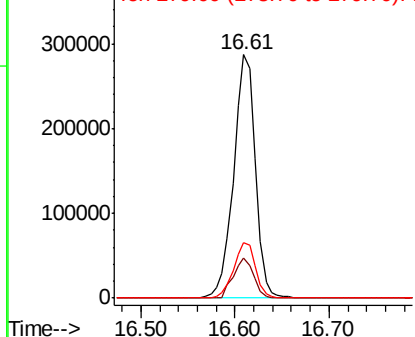


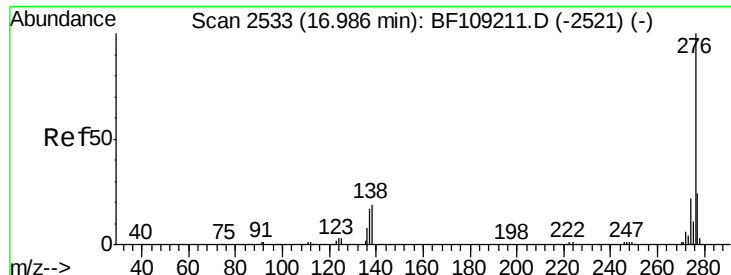
#90  
Dibenzo(a,h)anthracene  
Concen: 42.713 ng  
RT: 16.61 min Scan# 2469  
Delta R.T. 0.00 min  
Lab File: BF109331.D  
Acq: 26 Sep 2018 12:54

Tgt Ion:278 Resp: 461877  
Ion Ratio Lower Upper  
278 100  
139 16.4 15.9 23.9  
279 22.8 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: 44.641 ng

RT: 17.00 min Scan# 2536

Delta R.T. 0.01 min

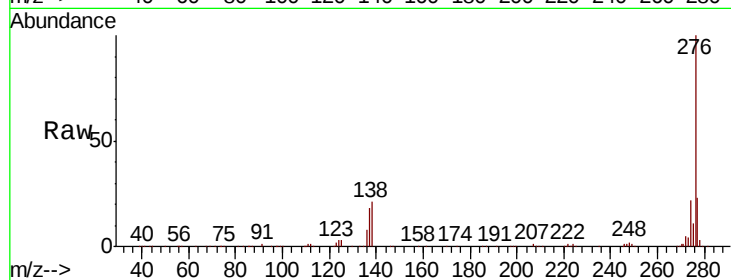
Lab File: BF109331.D

Acq: 26 Sep 2018 12:54

Instrument :

BNA\_F

ClientSampleId :



Tot Ion: 276 Resp: 474429

Ion Ratio Lower Upper

276 100

277 23.0 17.9 26.9

138 20.7 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

