

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090518\  
 Data File : BF108799.D  
 Acq On : 6 Sep 2018 2:38  
 Operator : JU/SJ  
 Sample : J4791-06 5X  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Sep 06 05:31:44 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF090518.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Sep 05 18:03:31 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.74  | 152  | 266249   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.01  | 136  | 1008622  | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.77  | 164  | 421911   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.24 | 188  | 704459   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 13.87 | 240  | 603287   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.27 | 264  | 493674   | 20.00 | ng    | 0.00     |

|                             |       |     |        |       |    |       |
|-----------------------------|-------|-----|--------|-------|----|-------|
| System Monitoring Compounds |       |     |        |       |    |       |
| 5) 2-Fluorophenol           | 5.33  | 112 | 242025 | 15.06 | ng | 0.00  |
| 7) Phenol-d6                | 6.35  | 99  | 312487 | 15.11 | ng | -0.01 |
| 23) Nitrobenzene-d5         | 7.29  | 82  | 163586 | 10.15 | ng | -0.01 |
| 41) 2,4,6-Tribromophenol    | 10.54 | 330 | 50561  | 12.55 | ng | -0.01 |
| 44) 2-Fluorobiphenyl        | 9.09  | 172 | 327933 | 13.26 | ng | 0.00  |
| 78) Terphenyl-d14           | 12.82 | 244 | 276910 | 10.70 | ng | 0.00  |

|                                |      |     |        |        |    |       |
|--------------------------------|------|-----|--------|--------|----|-------|
| Target Compounds               |      |     |        | Qvalue |    |       |
| 3) Pyridine                    | 3.21 | 79  | 115    | 0.005  | ng | # 21  |
| 4) n-Nitrosodimethylamine      | 3.09 | 42  | 581    | 0.072  | ng | # 1   |
| 6) Aniline                     | 6.39 | 93  | 704    | 0.025  | ng | # 42  |
| 9) Benzaldehyde                | 6.28 | 77  | 1520   | 0.104  | ng | # 59  |
| 10) Phenol                     | 6.37 | 94  | 10176  | 0.430  | ng | # 96  |
| 11) bis(2-Chloroethyl)ether    | 6.50 | 93  | 413    | 0.022  | ng | # 1   |
| 15) Benzyl Alcohol             | 6.87 | 79  | 19469  | 1.227  | ng | # 96  |
| 16) 2,2'-oxybis(1-Chloropropan | 7.22 | 45  | 113    | 0.004  | ng | # 70  |
| 17) 2-Methylphenol             | 6.87 | 107 | 8852   | 0.589  | ng | # 1   |
| 18) Hexachloroethane           | 7.27 | 117 | 455    | 0.062  | ng | # 27  |
| 19) n-Nitroso-di-n-propylamine | 7.29 | 70  | 21670  | 1.508  | ng | # 80  |
| 20) 3+4-Methylphenols          | 7.14 | 107 | 1493   | 0.085  | ng | # 68  |
| 22) Acetophenone               | 7.14 | 105 | 1622   | 0.071  | ng | # 92  |
| 24) Nitrobenzene               | 7.28 | 77  | 772    | 0.045  | ng | # 38  |
| 25) Isophorone                 | 7.29 | 82  | 163466 | 5.085  | ng | # 64  |
| 27) 2,4-Dimethylphenol         | 7.67 | 122 | 121    | 0.009  | ng | # 66  |
| 28) bis(2-Chloroethoxy)methane | 8.02 | 93  | 275    | 0.013  | ng | # 1   |
| 31) Naphthalene                | 8.04 | 128 | 20785  | 0.458  | ng | # 99  |
| 32) Benzoic acid               | 7.72 | 122 | 118    | 4.031  | ng | # 79  |
| 33) 4-Chloroaniline            | 8.04 | 127 | 2622   | 0.126  | ng | # 30  |
| 35) Caprolactam                | 8.45 | 113 | 456    | 0.094  | ng | # 9   |
| 36) 4-Chloro-3-methylphenol    | 8.37 | 107 | 113    | 0.007  | ng | # 20  |
| 37) 2-Methylnaphthalene        | 8.72 | 142 | 10044  | 0.335  | ng | # 97  |
| 45) 1,1'-Biphenyl              | 9.19 | 154 | 3509   | 0.108  | ng | # 96  |
| 46) 2-Chloronaphthalene        | 9.26 | 162 | 124    | 0.005  | ng | # 37  |
| 47) 2-Nitroaniline             | 9.29 | 65  | 302    | 0.042  | ng | # 33  |
| 48) Acenaphthylene             | 9.62 | 152 | 50131  | 1.280  | ng | # 98  |
| 49) Dimethylphthalate          | 9.48 | 163 | 110561 | 3.747  | ng | # 99  |
| 50) 2,6-Dinitrotoluene         | 9.77 | 165 | 54042  | 9.611  | ng | # 26  |
| 51) Acenaphthene               | 9.80 | 154 | 14213  | 0.587  | ng | # 100 |
| 52) 3-Nitroaniline             | 9.97 | 138 | 125    | 0.019  | ng | # 2   |
| 54) Dibenzofuran               | 9.97 | 168 | 10011  | 0.283  | ng | # 93  |
| 55) 4-Nitrophenol              | 9.87 | 139 | 262    | 0.052  | ng | # 5   |
| 56) 2,4-Dinitrotoluene         | 9.77 | 165 | 54042  | 7.515  | ng | # 23  |

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090518\  
 Data File : BF108799.D  
 Acq On : 6 Sep 2018 2:38  
 Operator : JU/SJ  
 Sample : J4791-06 5X  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

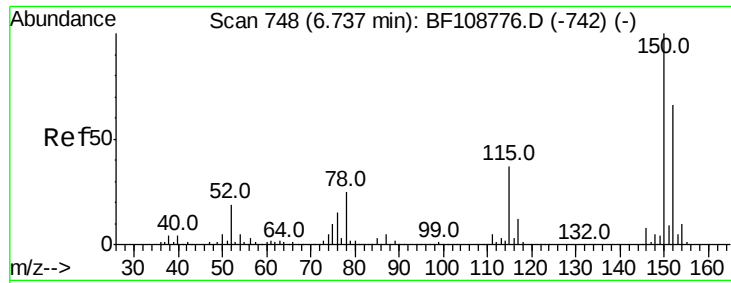
Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Sep 06 05:31:44 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF090518.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Sep 05 18:03:31 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 57) Fluorene                   | 10.31 | 166  | 20148    | 0.889  | nq    | 97       |
| 59) Diethylphthalate           | 10.18 | 149  | 2943     | 0.097  | nq    | # 89     |
| 60) 4-Chlorophenyl-phenylether | 10.55 | 204  | 135      | 0.011  | nq    | # 1      |
| 61) 4-Nitroaniline             | 10.31 | 138  | 147      | 0.024  | nq    | # 68     |
| 62) Azobenzene                 | 10.46 | 77   | 827      | 0.026  | nq    | # 1      |
| 65) n-Nitrosodiphenylamine     | 10.42 | 169  | 1452     | 0.062  | nq    | # 45     |
| 66) 4-Bromophenyl-phenylether  | 10.54 | 248  | 3181     | 0.400  | nq    | # 1      |
| 70) Phenanthrene               | 11.27 | 178  | 253822   | 7.545  | nq    | 97       |
| 71) Anthracene                 | 11.31 | 178  | 80810    | 2.509  | nq    | 100      |
| 72) Carbazole                  | 11.47 | 167  | 21221    | 0.626  | nq    | 94       |
| 73) Di-n-butylphthalate        | 11.81 | 149  | 11013    | 0.292  | nq    | # 89     |
| 74) Fluoranthene               | 12.45 | 202  | 456659   | 13.710 | nq    | 96       |
| 76) Benzidine                  | 12.55 | 184  | 963      | 0.034  | nq    | # 1      |
| 77) Pyrene                     | 12.67 | 202  | 441438   | 9.509  | nq    | 100      |
| 79) Butylbenzylphthalate       | 13.30 | 149  | 4869     | 0.233  | nq    | # 78     |
| 80) Benzo(a)anthracene         | 13.85 | 228  | 236434   | 6.114  | nq    | 94       |
| 81) 3,3'-Dichlorobenzidine     | 13.81 | 252  | 343      | 0.023  | nq    | # 31     |
| 82) Chrysene                   | 13.89 | 228  | 198033   | 5.290  | nq    | 96       |
| 83) Bis(2-ethylhexyl)phthalate | 13.87 | 149  | 35863    | 1.365  | nq    | 99       |
| 84) Di-n-octyl phthalate       | 14.49 | 149  | 3833     | 0.088  | nq    | # 1      |
| 85) Indeno(1,2,3-cd)pyrene     | 16.62 | 276  | 92415    | 2.790  | nq    | 94       |
| 87) Benzo(b)fluoranthene       | 14.87 | 252  | 294615   | 10.975 | nq    | # 95     |
| 88) Benzo(k)fluoranthene       | 14.87 | 252  | 294615   | 11.918 | nq    | 98       |
| 89) Benzo(a)pyrene             | 15.21 | 252  | 153355   | 6.331  | nq    | 94       |
| 90) Dibenzo(a,h)anthracene     | 16.62 | 278  | 24938    | 1.168  | nq    | # 85     |
| 91) Benzo(q,h,i)perylene       | 17.02 | 276  | 100851   | 4.719  | nq    | 96       |

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



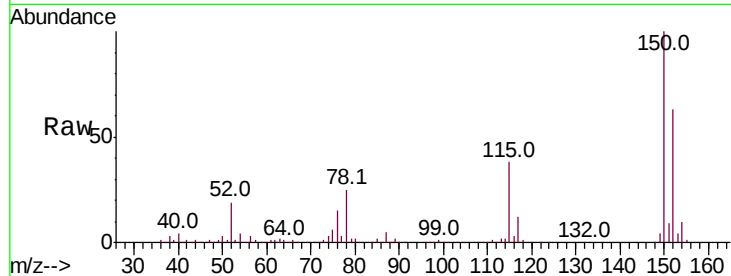


#1

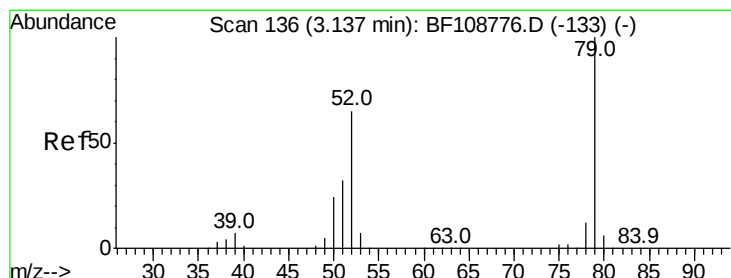
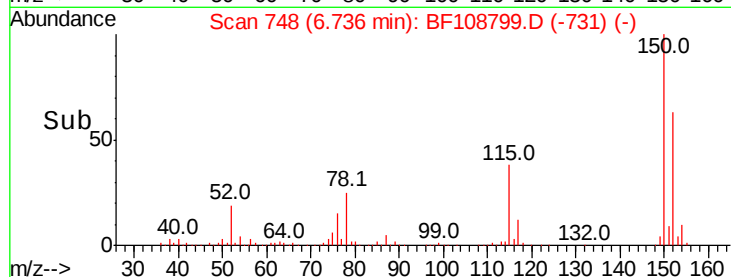
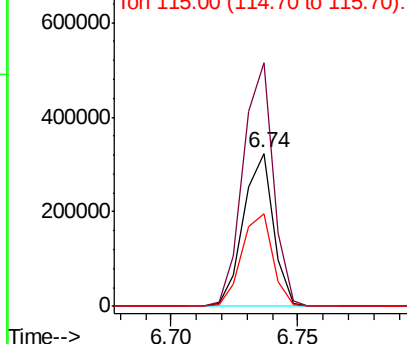
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.74 min Scan# 748  
Delta R.T. -0.00 min  
Lab File: BF108799.D  
Acq: 6 Sep 2018 2:38

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 266249  
Ion Ratio Lower Upper  
152 100  
150 159.2 124.6 186.8  
115 60.5 50.1 75.1



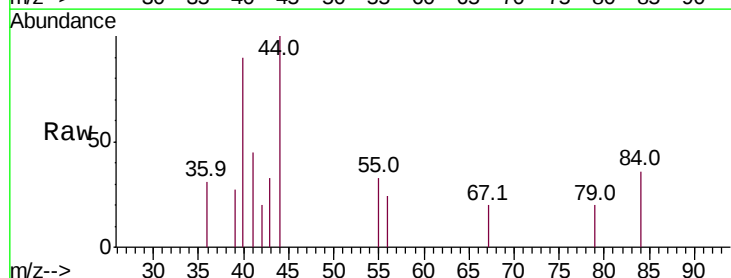
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



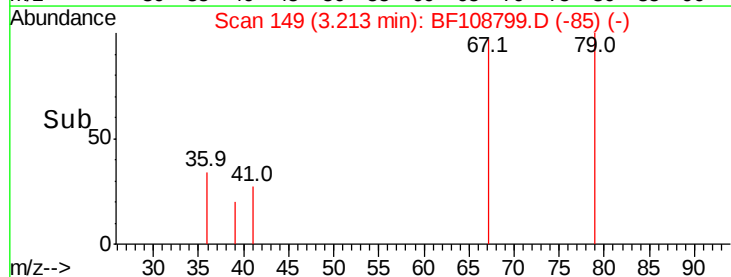
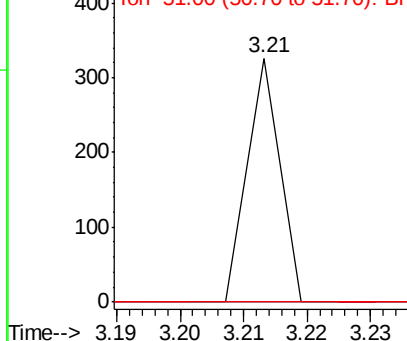
#3

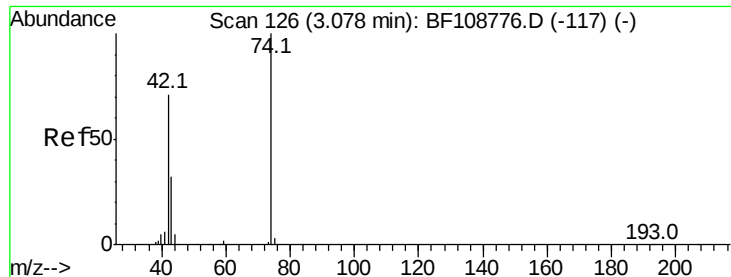
Pyridine  
Concen: 0.005 ng  
RT: 3.21 min Scan# 149  
Delta R.T. 0.08 min  
Lab File: BF108799.D  
Acq: 6 Sep 2018 2:38

Tgt Ion: 79 Resp: 115  
Ion Ratio Lower Upper  
79 100  
52 0.0 59.8 89.6#  
51 0.0 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





#4

n-Nitrosodimethylamine

Concen: 0.072 ng

RT: 3.09 min Scan# 128

Delta R.T. 0.01 min

Lab File: BF108799.D

Acq: 6 Sep 2018 2:38

Instrument :

BNA\_F

ClientSampled :

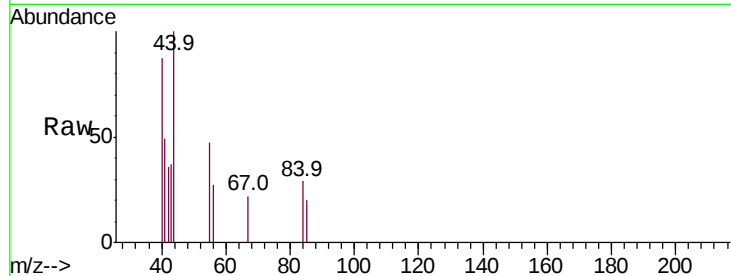
Tot Ion: 42 Resp: 581

Ion Ratio Lower Upper

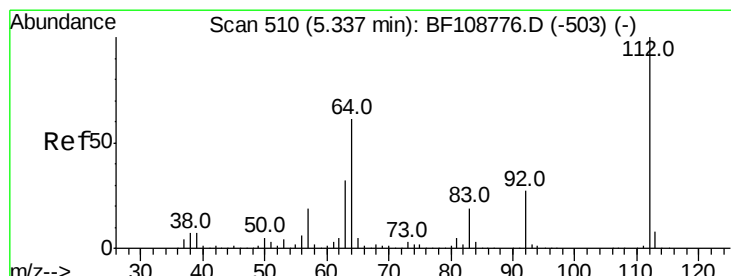
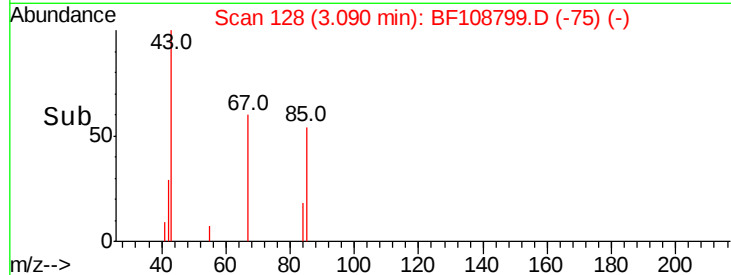
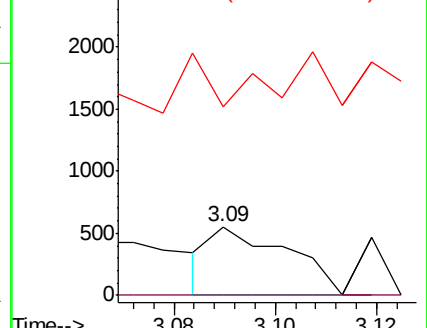
42 100

74 0.0 104.9 157.3#

44 274.4 6.9 10.3#



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



#5

2-Fluorophenol

Concen: 15.059 ng

RT: 5.33 min Scan# 509

Delta R.T. -0.01 min

Lab File: BF108799.D

Acq: 6 Sep 2018 2:38

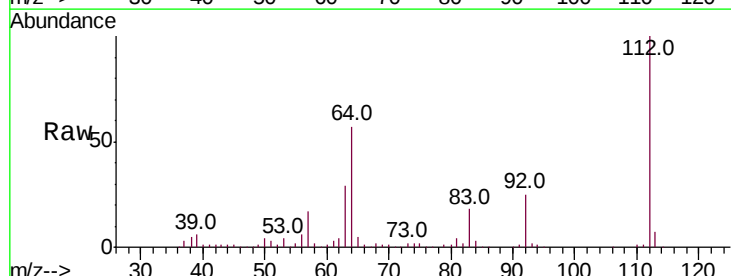
Tgt Ion: 112 Resp: 242025

Ion Ratio Lower Upper

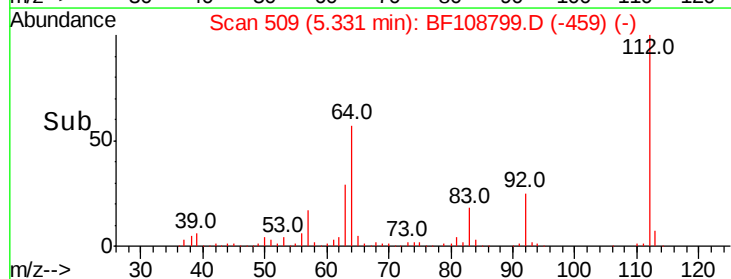
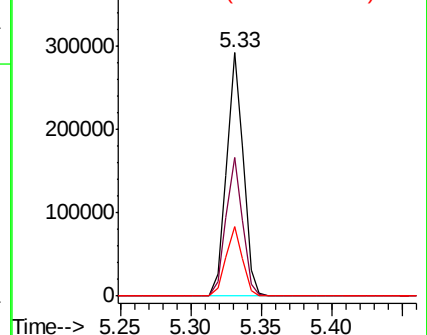
112 100

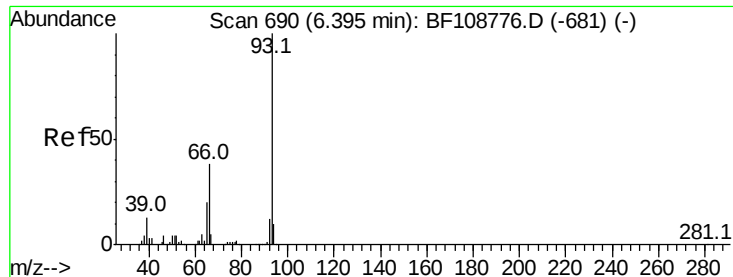
64 57.0 47.9 71.9

63 28.7 23.7 35.5



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





#6

Aniline

Concen: 0.025 ng

RT: 6.39 min Scan# 689

Delta R.T. -0.01 min

Lab File: BF108799.D

Acq: 6 Sep 2018 2:38

Instrument :

BNA\_F

ClientSampleId :

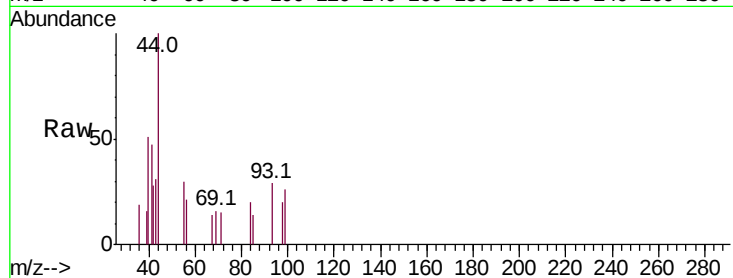
Tot Ion: 93 Resp: 704

Ion Ratio Lower Upper

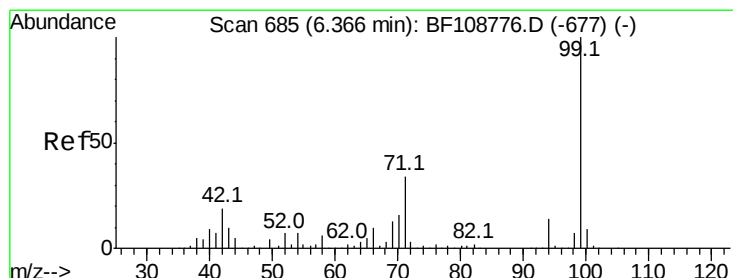
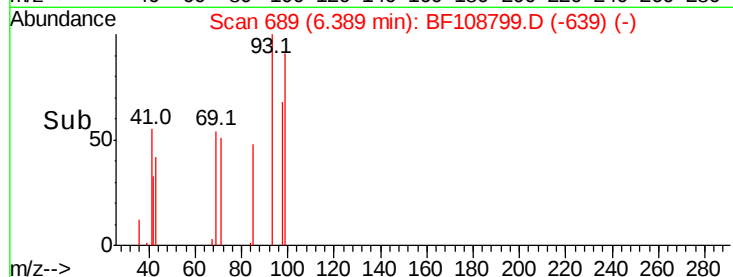
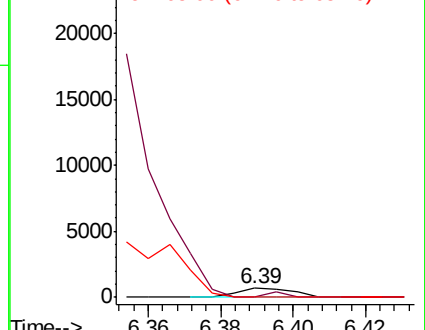
93 100

66 0.0 32.2 48.2#

65 0.0 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: 15.112 ng

RT: 6.35 min Scan# 683

Delta R.T. -0.01 min

Lab File: BF108799.D

Acq: 6 Sep 2018 2:38

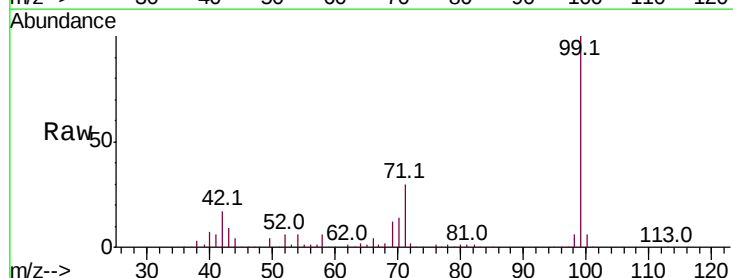
Tgt Ion: 99 Resp: 312487

Ion Ratio Lower Upper

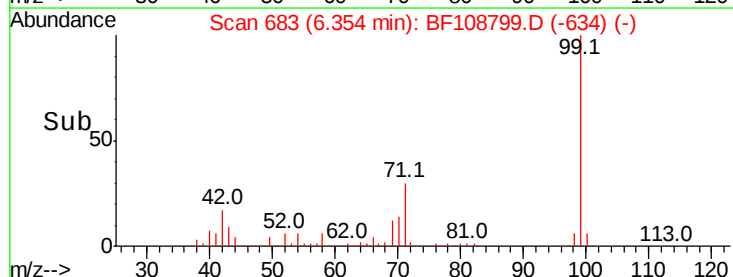
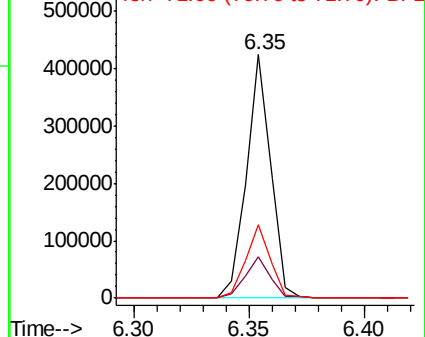
99 100

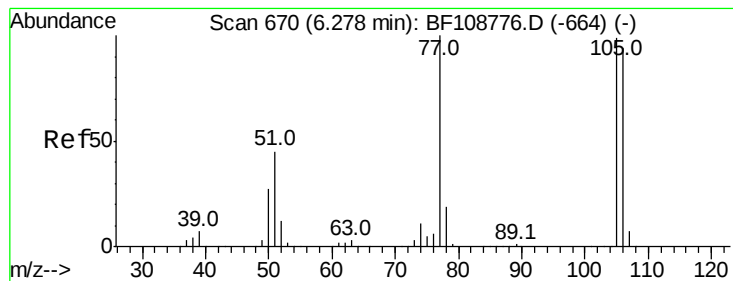
42 17.2 14.5 21.7

71 30.3 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





#9

Benzaldehyde

Concen: 0.104 ng

RT: 6.28 min Scan# 670

Delta R.T. -0.00 min

Lab File: BF108799.D

Acq: 6 Sep 2018 2:38

Instrument :

BNA\_F

ClientSampled :

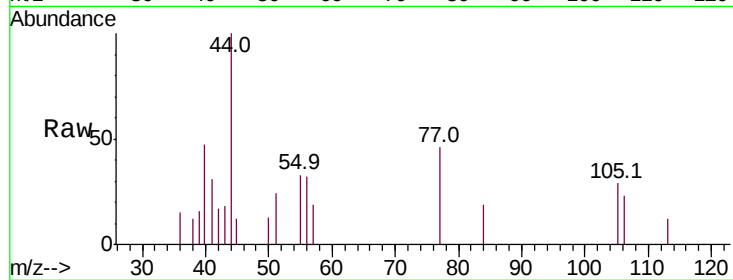
Tot Ion: 77 Resp: 1520

Ion Ratio Lower Upper

77 100

105 63.2 81.1 121.1#

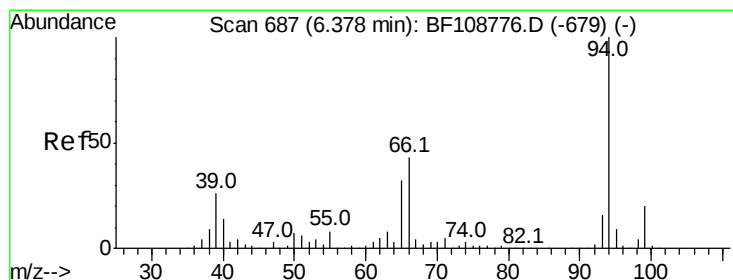
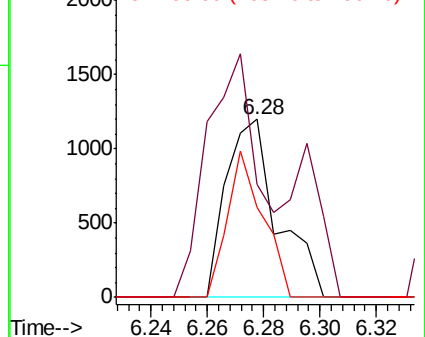
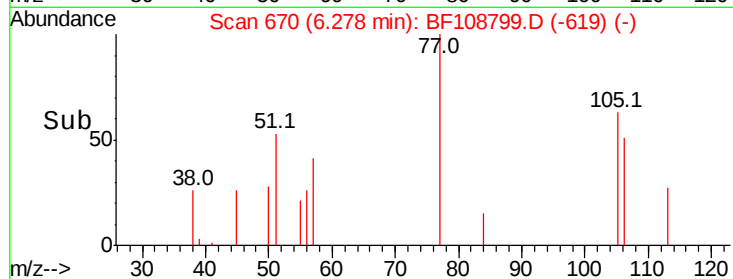
106 50.8 74.5 114.5#



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: 0.430 ng

RT: 6.37 min Scan# 685

Delta R.T. -0.01 min

Lab File: BF108799.D

Acq: 6 Sep 2018 2:38

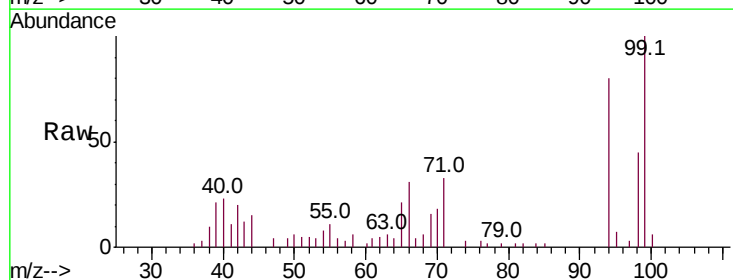
Tgt Ion: 94 Resp: 10176

Ion Ratio Lower Upper

94 100

65 26.1 7.9 47.9

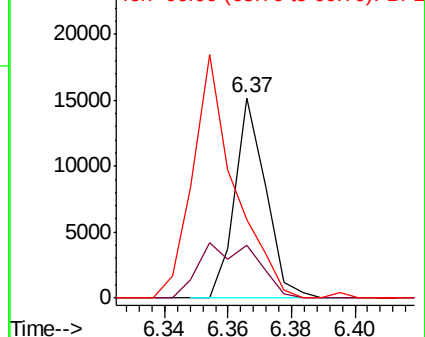
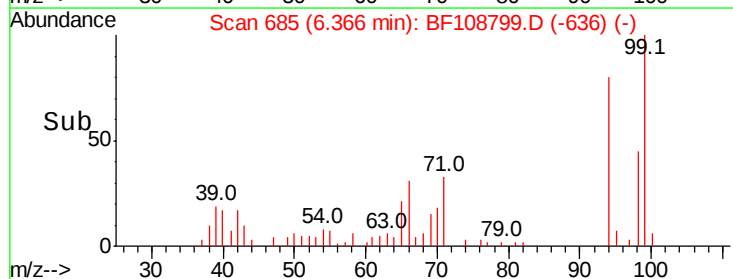
66 38.9 16.2 56.2

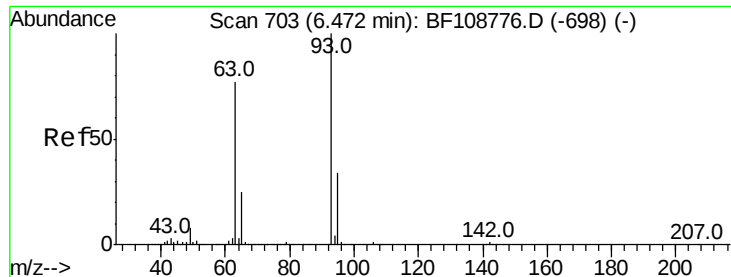


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

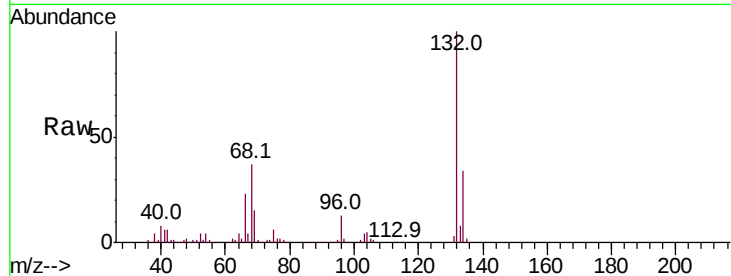




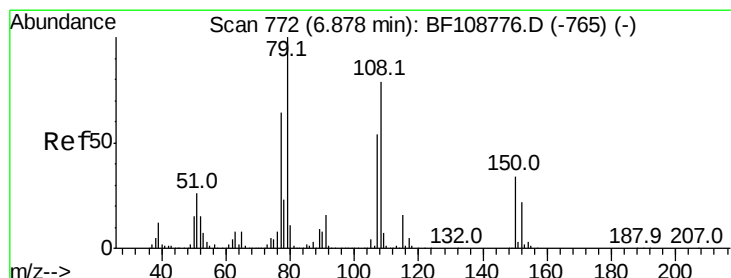
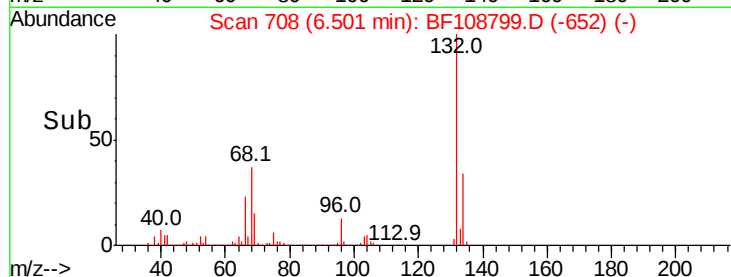
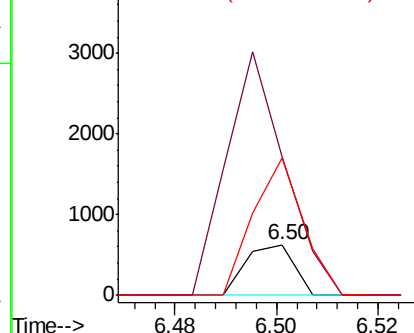
#11  
bis(2-Chloroethyl)ether  
Concen: 0.022 ng  
RT: 6.50 min Scan# 708  
Delta R.T. 0.03 min  
Lab File: BF108799.D  
Acq: 6 Sep 2018 2:38

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion: 93 Resp: 413  
Ion Ratio Lower Upper  
93 100  
63 274.8 58.6 98.6#  
95 272.3 11.8 51.8#

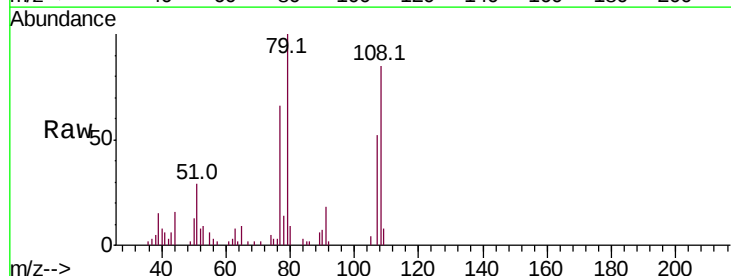


Abundance Ion 93.00 (92.70 to 93.70): BF1  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 95.00 (94.70 to 95.70): BF1

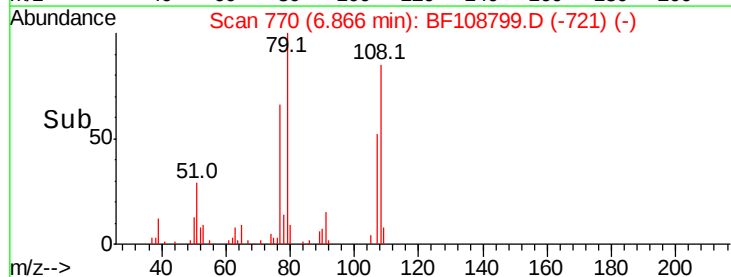
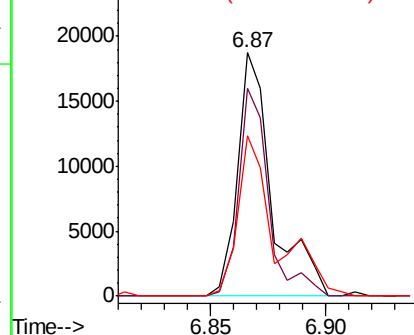


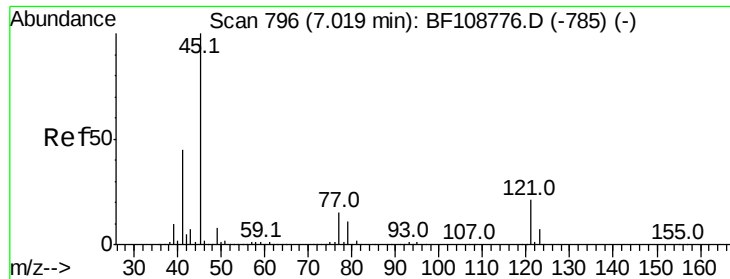
#15  
Benzyl Alcohol  
Concen: 1.227 ng  
RT: 6.87 min Scan# 770  
Delta R.T. -0.01 min  
Lab File: BF108799.D  
Acq: 6 Sep 2018 2:38

Tgt Ion: 79 Resp: 19469  
Ion Ratio Lower Upper  
79 100  
108 85.5 65.1 97.7  
77 65.7 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

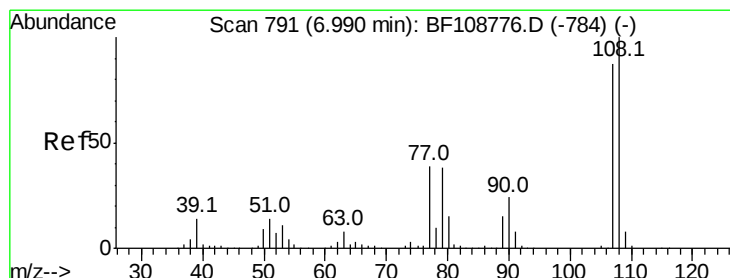
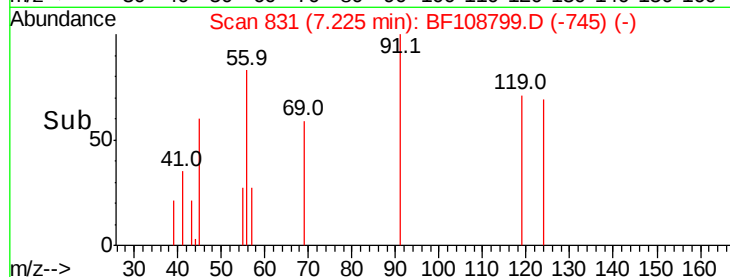
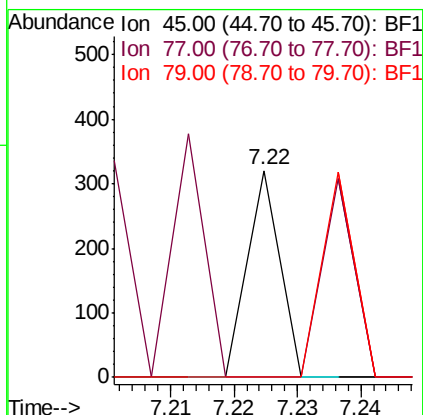
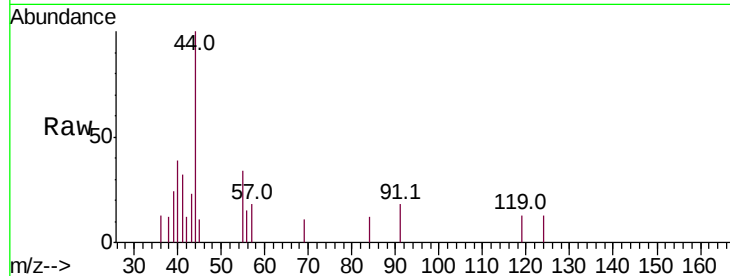




#16  
2,2'-oxvbis(1-Chloropropane)  
Concen: 0.004 ng  
RT: 7.22 min Scan# 831  
Delta R.T. 0.21 min  
Lab File: BF108799.D  
Acq: 6 Sep 2018 2:38

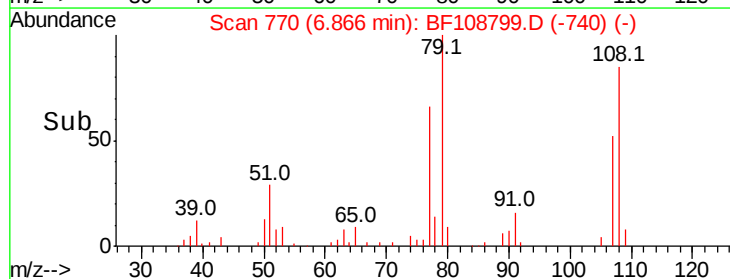
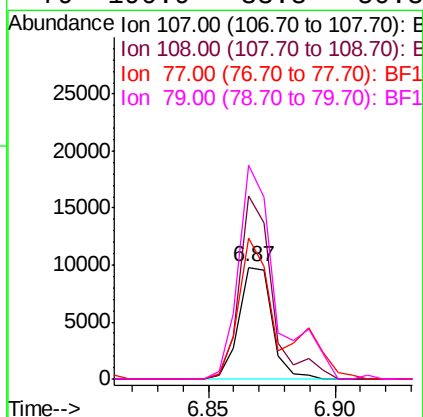
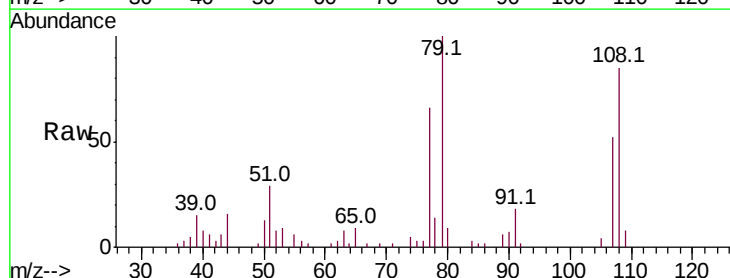
Instrument :  
BNA\_F  
ClientSampled :

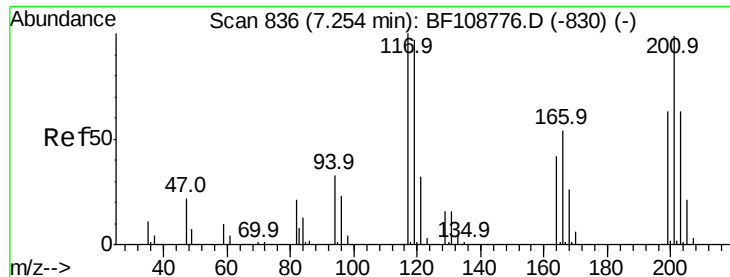
Tot Ion: 45 Resp: 113  
Ion Ratio Lower Upper  
45 100  
77 0.0 0.0 32.9  
79 0.0 0.0 29.6



#17  
2-Methylphenol  
Concen: 0.589 ng  
RT: 6.87 min Scan# 770  
Delta R.T. -0.12 min  
Lab File: BF108799.D  
Acq: 6 Sep 2018 2:38

Tgt Ion: 107 Resp: 8852  
Ion Ratio Lower Upper  
107 100  
108 163.2 91.7 137.5#  
77 125.3 33.8 50.8#  
79 190.9 33.8 50.8#

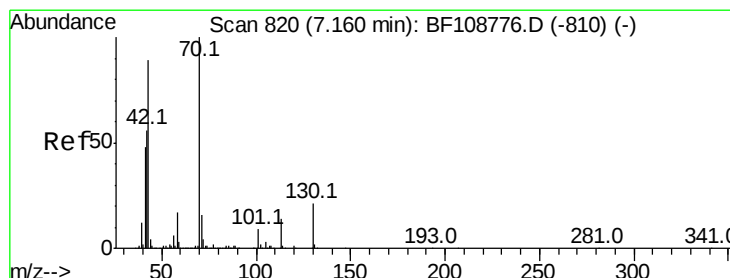
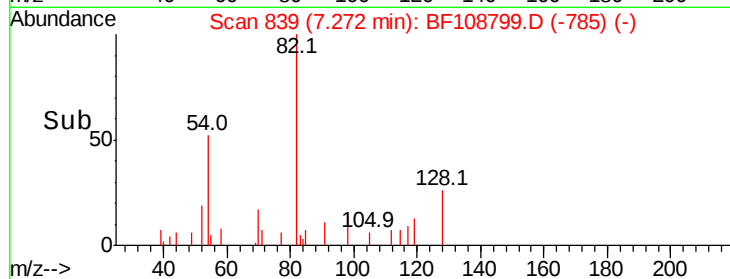
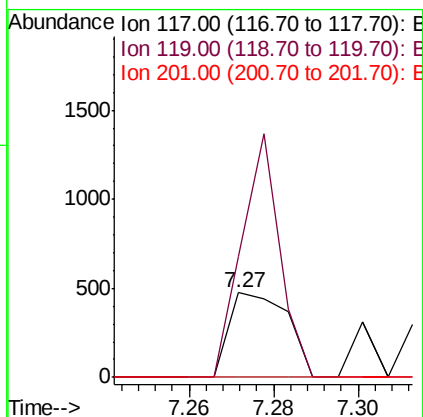
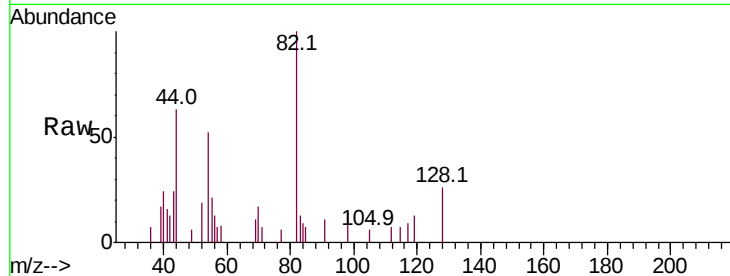




#18  
Hexachloroethane  
Concen: 0.062 ng  
RT: 7.27 min Scan# 839  
Delta R.T. 0.02 min  
Lab File: BF108799.D  
Acq: 6 Sep 2018 2:38

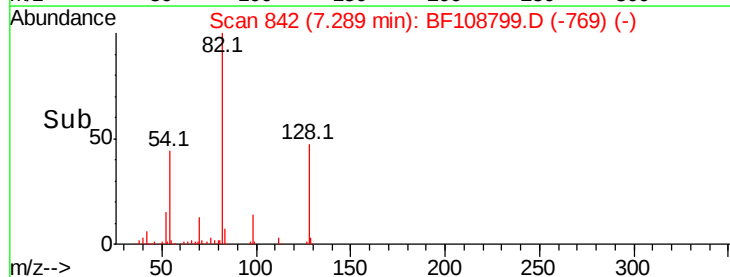
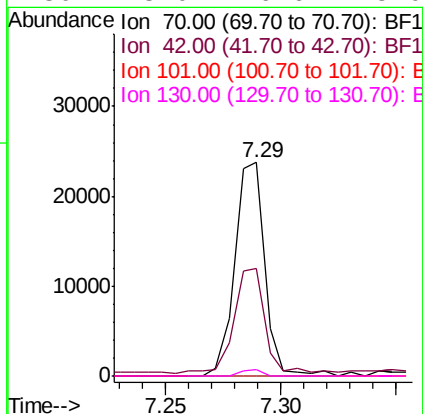
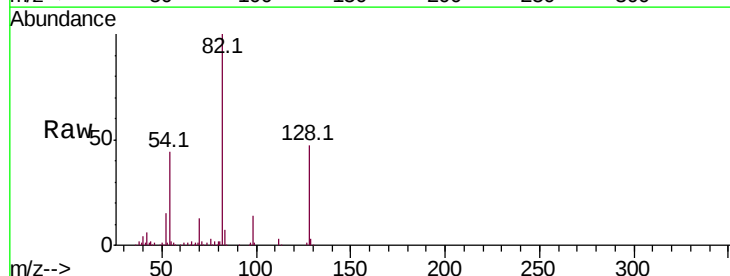
Instrument :  
BNA\_F  
ClientSampleId :

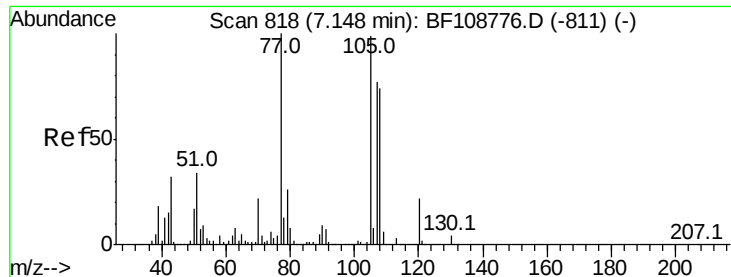
Tot Ion:117 Resp: 455  
Ion Ratio Lower Upper  
117 100  
119 142.0 75.8 113.8#  
201 0.0 75.7 113.5#



#19  
n-Nitroso-di-n-propylamine  
Concen: 1.508 ng  
RT: 7.29 min Scan# 842  
Delta R.T. 0.13 min  
Lab File: BF108799.D  
Acq: 6 Sep 2018 2:38

Tgt Ion: 70 Resp: 21670  
Ion Ratio Lower Upper  
70 100  
42 50.3 47.5 71.3  
101 0.0 7.4 11.2#  
130 3.0 16.6 25.0#





#20

3+4-Methylphenols

Concen: 0.085 ng

RT: 7.14 min Scan# 816

Delta R.T. -0.01 min

Lab File: BF108799.D

Acq: 6 Sep 2018 2:38

Instrument :

BNA\_F

ClientSampled :

Tot Ion:107 Resp: 1493

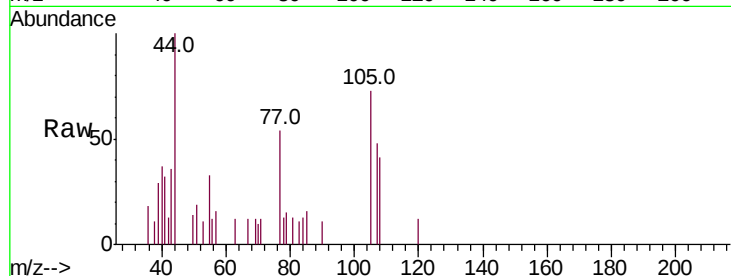
Ion Ratio Lower Upper

107 100

108 85.0 68.2 108.2

77 112.2 26.7 66.7#

79 30.4 6.3 46.3

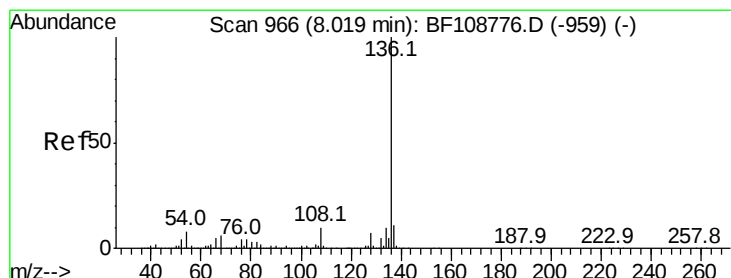
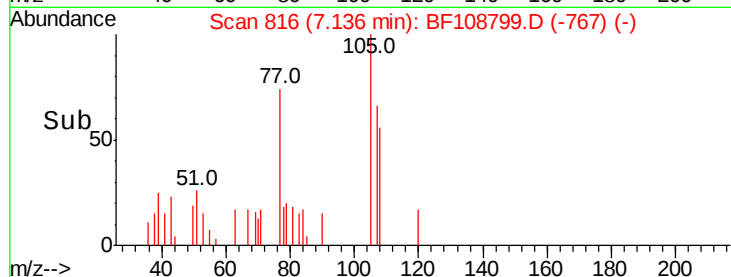
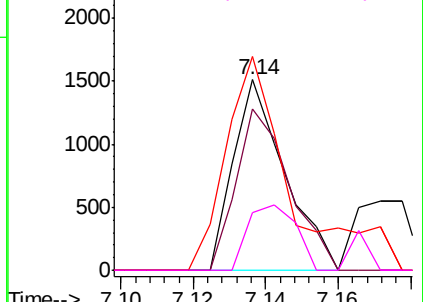


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.01 min Scan# 965

Delta R.T. -0.01 min

Lab File: BF108799.D

Acq: 6 Sep 2018 2:38

Tgt Ion:136 Resp: 1008622

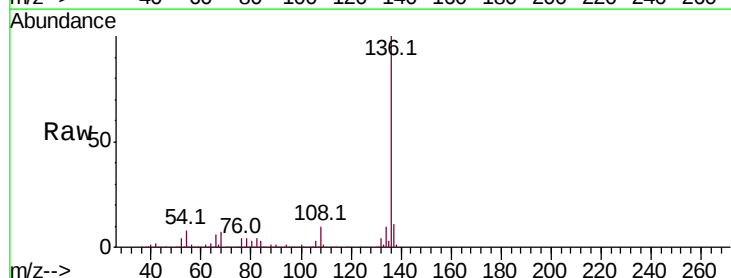
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 8.5 6.6 9.8

68 7.3 5.0 7.4

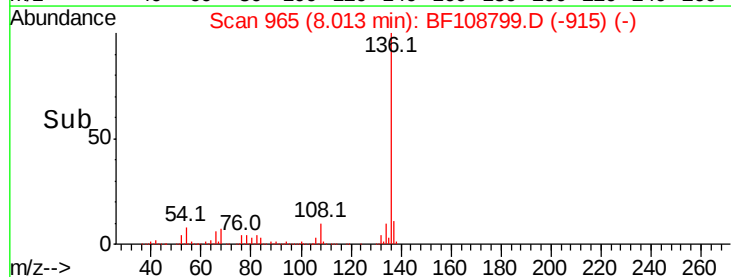
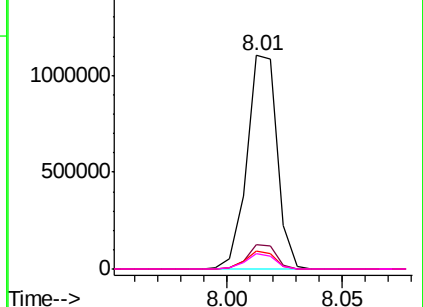


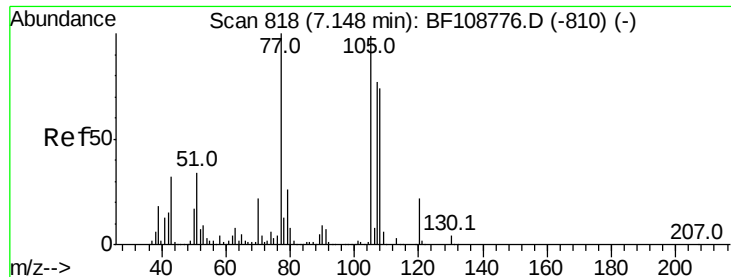
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.071 ng

RT: 7.14 min Scan# 816

Delta R.T. -0.01 min

Lab File: BF108799.D

Acq: 6 Sep 2018 2:38

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:105 Resp: 1622

Ion Ratio Lower Upper

105 100

71 16.8 4.4 6.6#

51 26.4 22.3 33.5

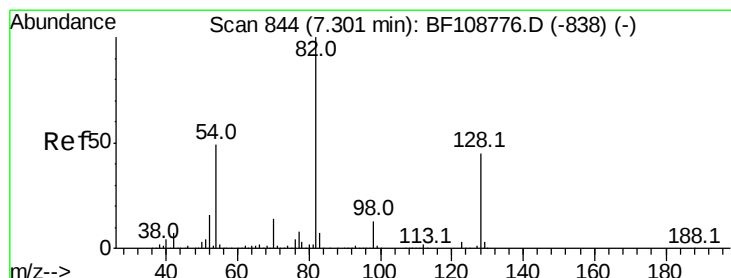
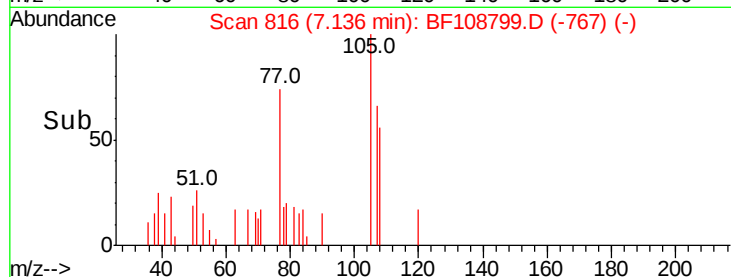
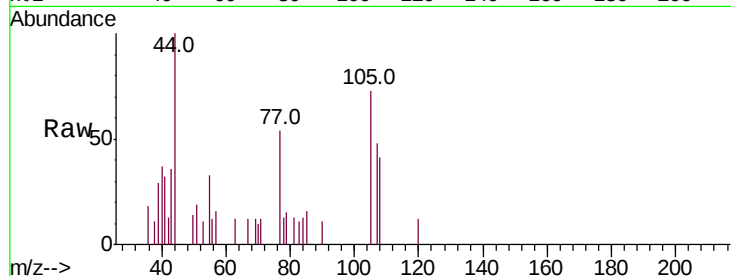
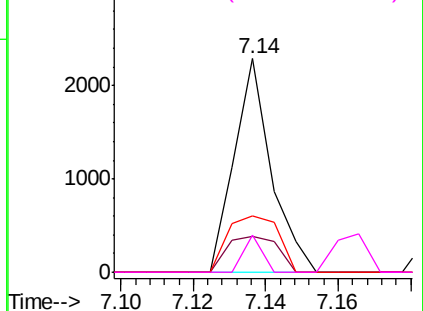
120 17.2 16.9 25.3

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: 10.150 ng

RT: 7.29 min Scan# 842

Delta R.T. -0.01 min

Lab File: BF108799.D

Acq: 6 Sep 2018 2:38

Tgt Ion: 82 Resp: 163586

Ion Ratio Lower Upper

82 100

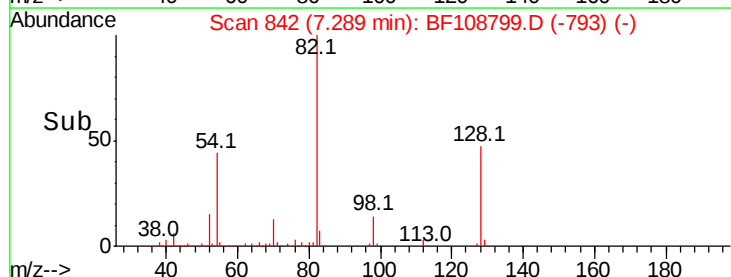
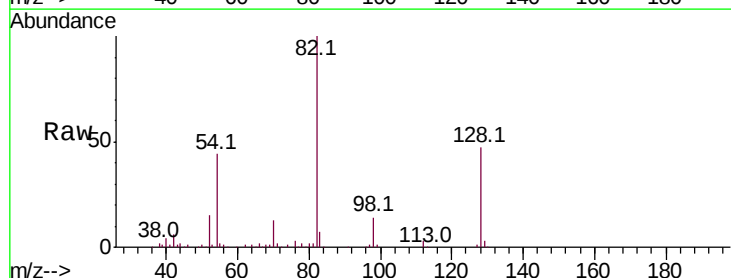
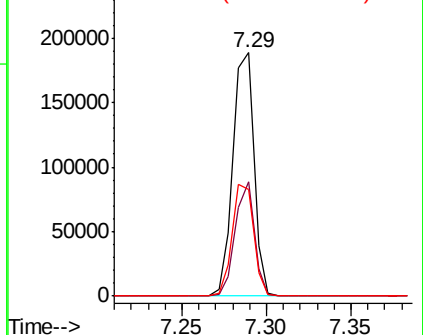
128 47.0 36.1 54.1

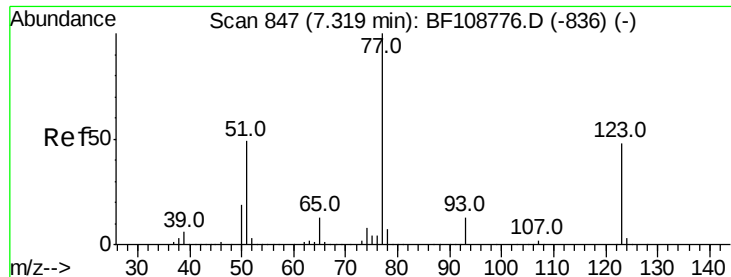
54 44.0 41.4 62.2

Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#24

Nitrobenzene

Concen: 0.045 ng

RT: 7.28 min Scan# 840

Delta R.T. -0.04 min

Lab File: BF108799.D

Acq: 6 Sep 2018 2:38

Instrument :

BNA\_F

ClientSampled :

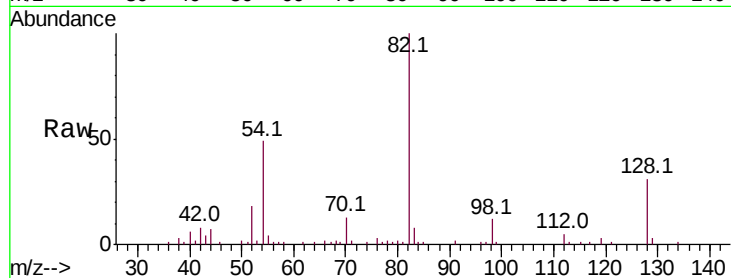
Tot Ion: 77 Resp: 772

Ion Ratio Lower Upper

77 100

123 0.0 37.9 56.9#

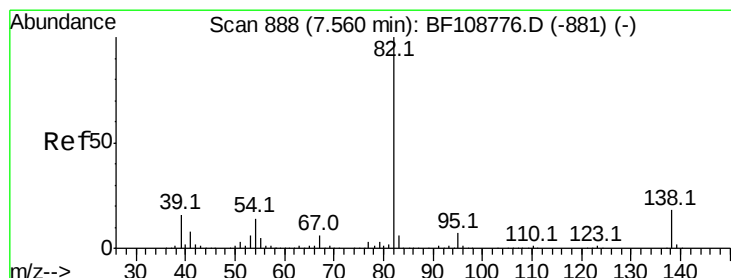
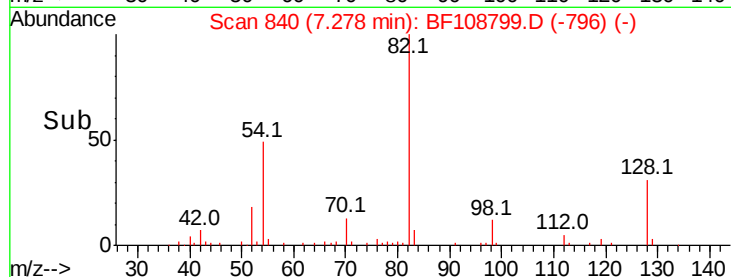
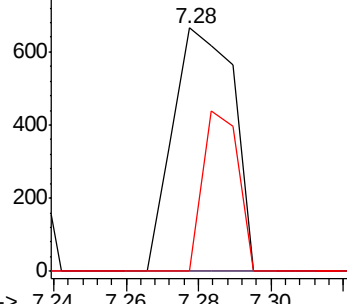
65 0.0 11.0 16.4#



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 123.00 (122.70 to 123.70): BF1

Ion 65.00 (64.70 to 65.70): BF1



#25

Isophorone

Concen: 5.085 ng

RT: 7.29 min Scan# 842

Delta R.T. -0.27 min

Lab File: BF108799.D

Acq: 6 Sep 2018 2:38

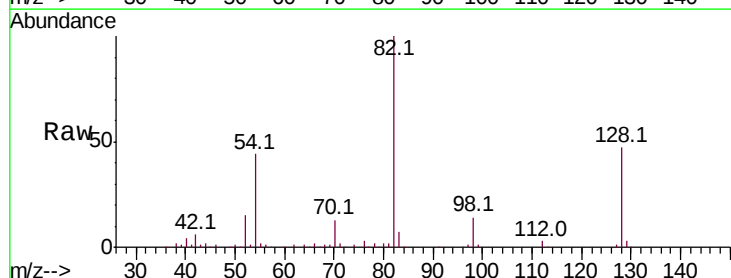
Tgt Ion: 82 Resp: 163466

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

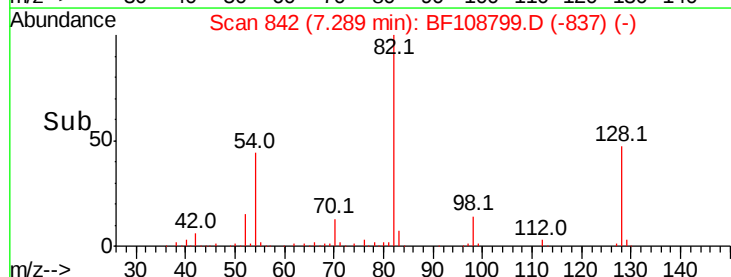
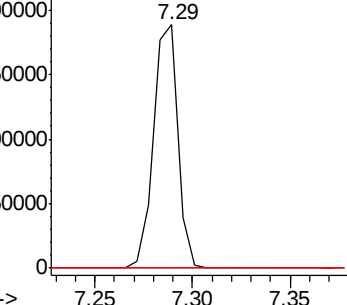
138 0.0 14.9 22.3#

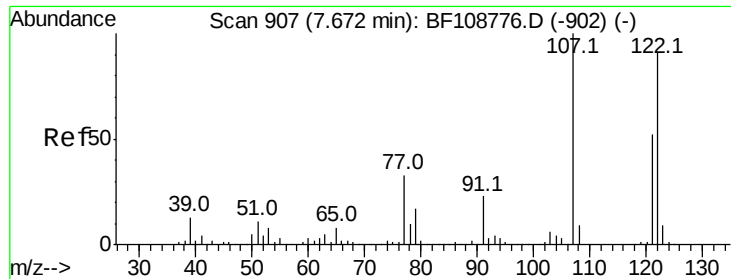


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

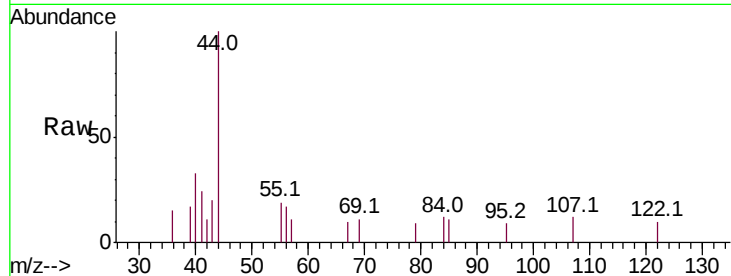




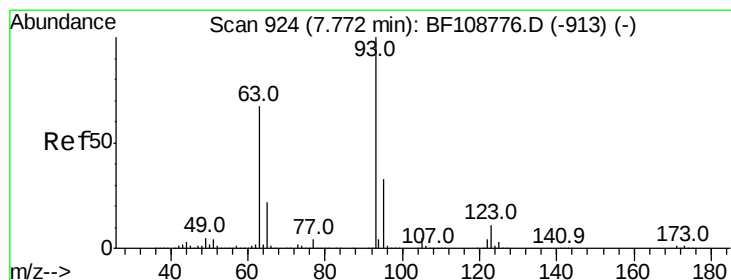
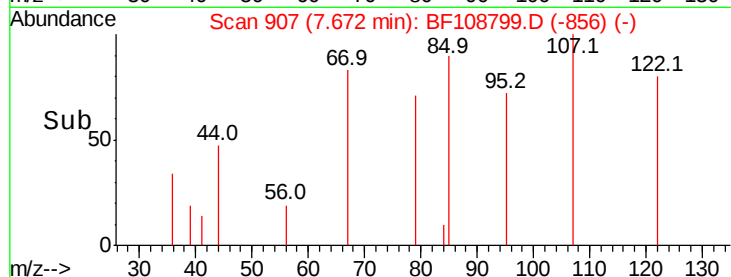
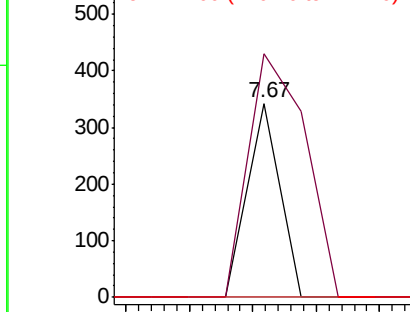
#27  
 2,4-Dimethylphenol  
 Concen: 0.009 ng  
 RT: 7.67 min Scan# 907  
 Delta R.T. -0.00 min  
 Lab File: BF108799.D  
 Acq: 6 Sep 2018 2:38

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:122 Resp: 121  
 Ion Ratio Lower Upper  
 122 100  
 107 125.7 91.2 136.8  
 121 0.0 47.2 70.8#

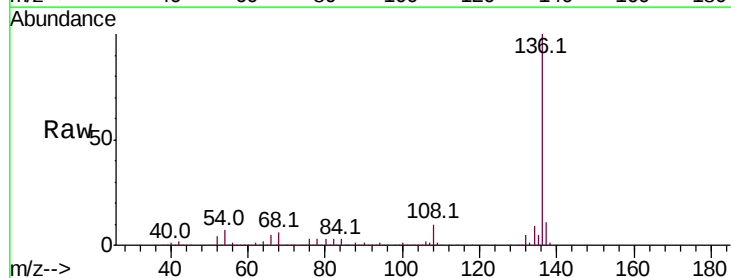


Abundance Ion 122.00 (121.70 to 122.70): E  
 Ion 107.00 (106.70 to 107.70): E  
 Ion 121.00 (120.70 to 121.70): E

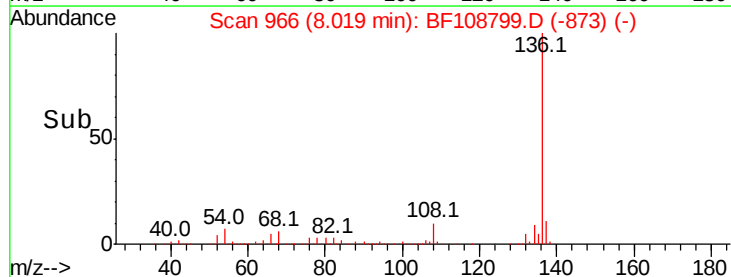
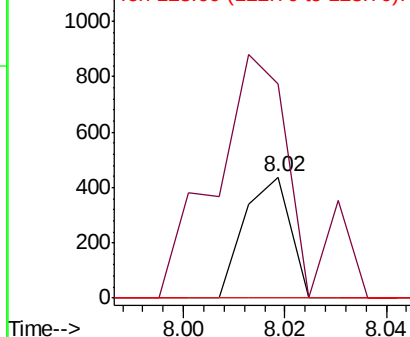


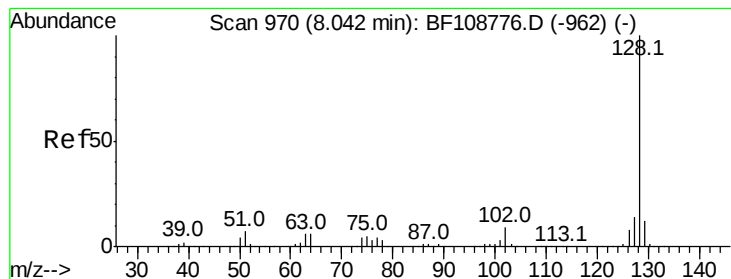
#28  
 bis(2-Chloroethoxy)methane  
 Concen: 0.013 ng  
 RT: 8.02 min Scan# 966  
 Delta R.T. 0.25 min  
 Lab File: BF108799.D  
 Acq: 6 Sep 2018 2:38

Tgt Ion: 93 Resp: 275  
 Ion Ratio Lower Upper  
 93 100  
 95 176.3 26.3 39.5#  
 123 0.0 9.8 14.6#



Abundance Ion 93.00 (92.70 to 93.70): BF1  
 Ion 95.00 (94.70 to 95.70): BF1  
 Ion 123.00 (122.70 to 123.70): E





#31

Naphthalene

Concen: 0.458 ng

RT: 8.04 min Scan# 969

Delta R.T. -0.01 min

Lab File: BF108799.D

Acq: 6 Sep 2018 2:38

Instrument :

BNA\_F

ClientSampleId :

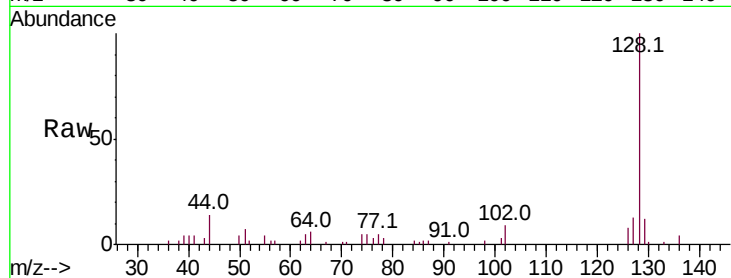
Tot Ion:128 Resp: 20785

Ion Ratio Lower Upper

128 100

129 11.7 8.8 13.2

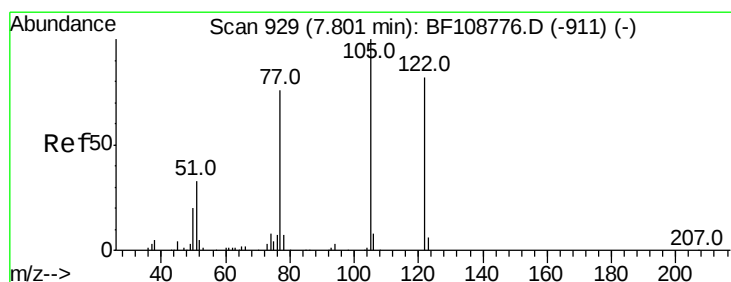
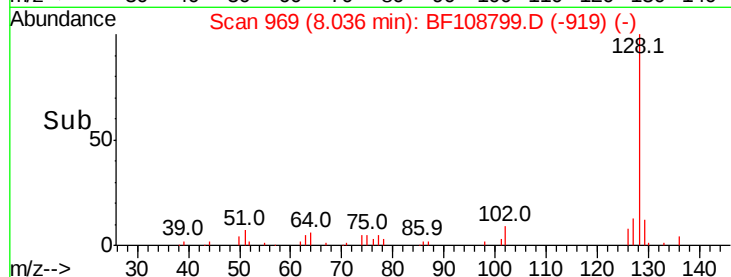
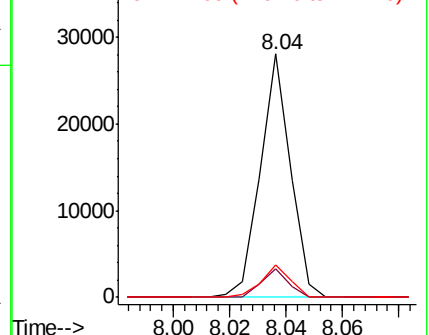
127 13.2 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 4.031 ng

RT: 7.72 min Scan# 915

Delta R.T. -0.08 min

Lab File: BF108799.D

Acq: 6 Sep 2018 2:38

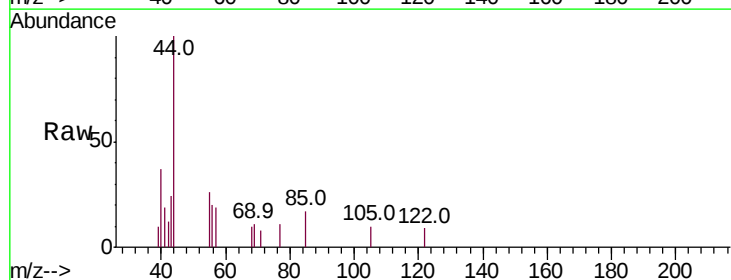
Tgt Ion:122 Resp: 118

Ion Ratio Lower Upper

122 100

105 106.6 101.1 141.1

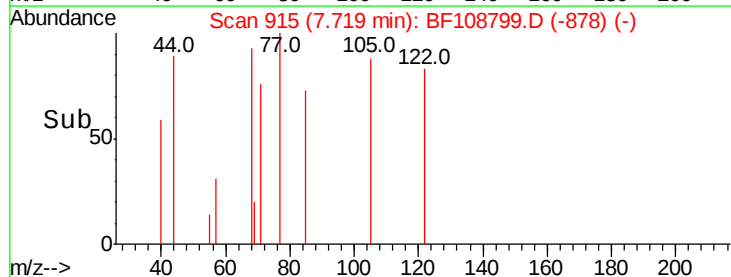
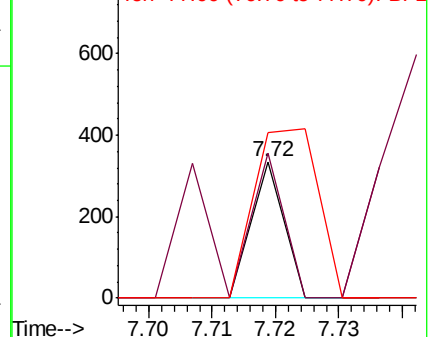
77 120.9 70.7 110.7#

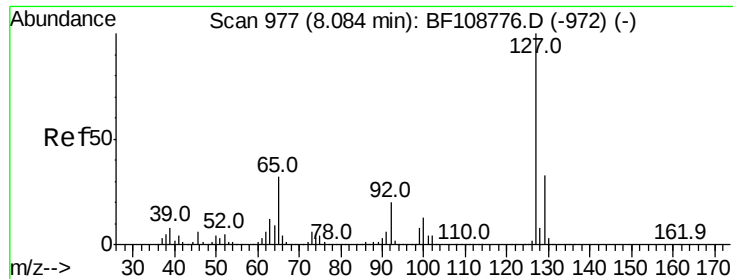


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

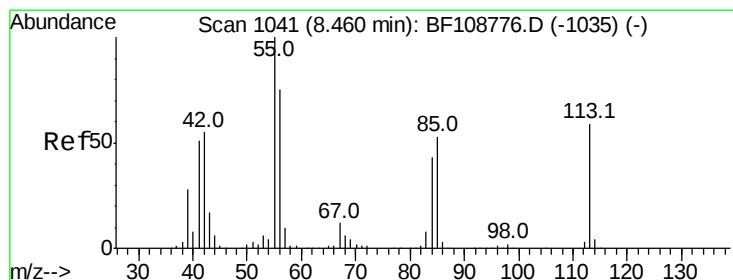
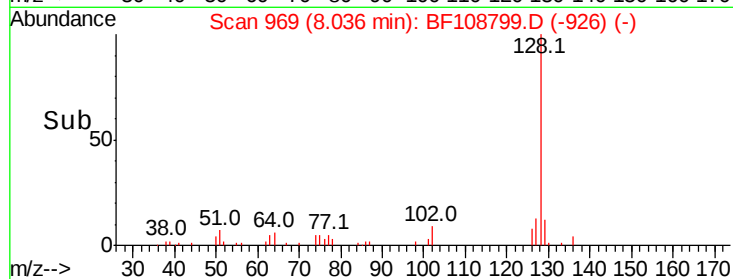
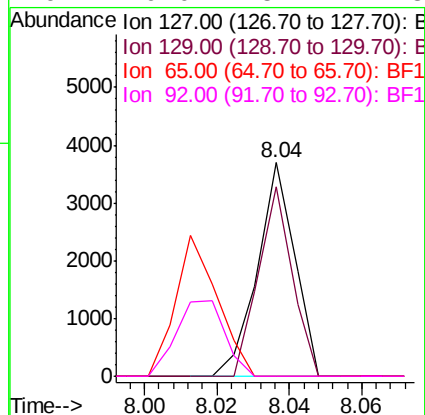
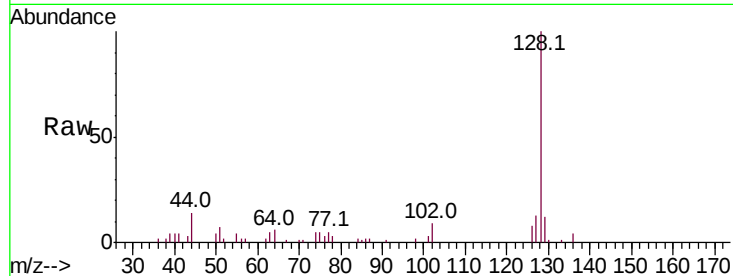




#33  
4-Chloroaniline  
Concen: 0.126 ng  
RT: 8.04 min Scan# 969  
Delta R.T. -0.05 min  
Lab File: BF108799.D  
Acq: 6 Sep 2018 2:38

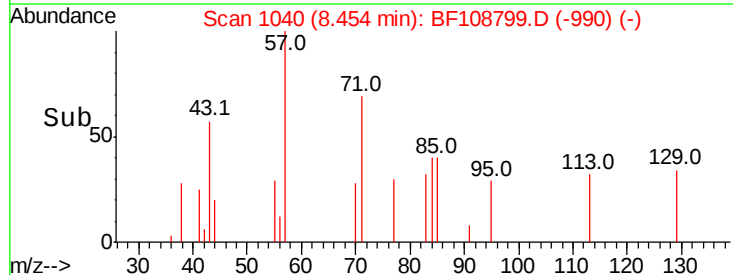
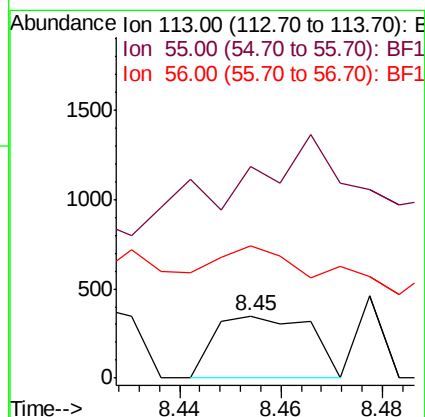
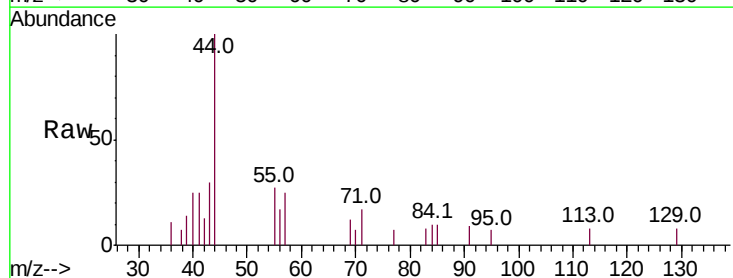
Instrument :  
BNA\_F  
ClientSampleId :

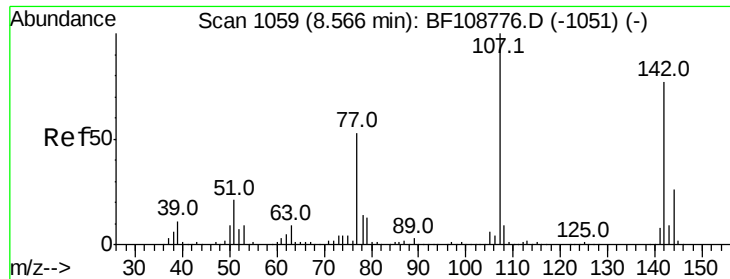
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 127   | Resp: | 2622  |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 88.6  | 25.9  | 38.9# |
| 65       | 0.0   | 25.0  | 37.4# |
| 92       | 0.0   | 15.2  | 22.8# |



#35  
Caprolactam  
Concen: 0.094 ng  
RT: 8.45 min Scan# 1040  
Delta R.T. -0.01 min  
Lab File: BF108799.D  
Acq: 6 Sep 2018 2:38

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 113   | Resp: | 456    |
| Ion      | Ratio | Lower | Upper  |
| 113      | 100   |       |        |
| 55       | 341.7 | 163.3 | 203.3# |
| 56       | 213.5 | 115.7 | 155.7# |

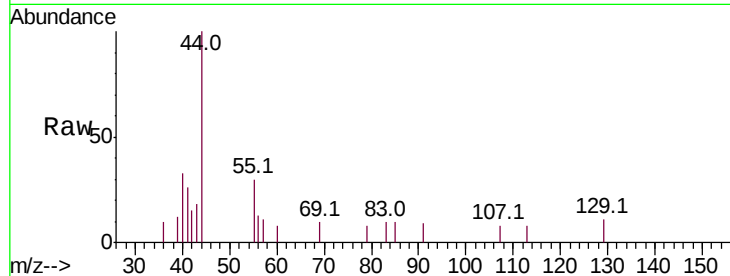




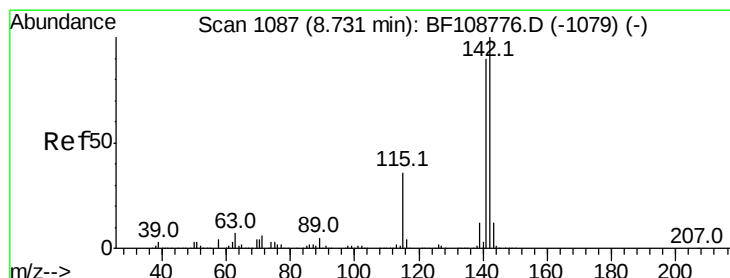
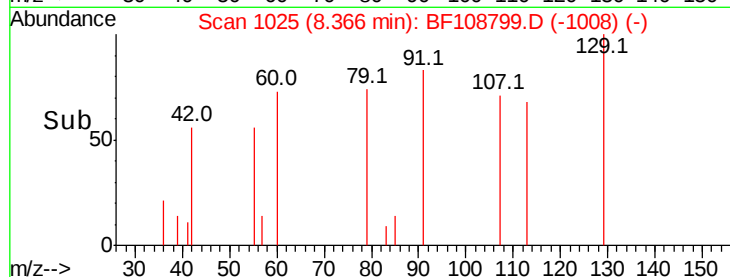
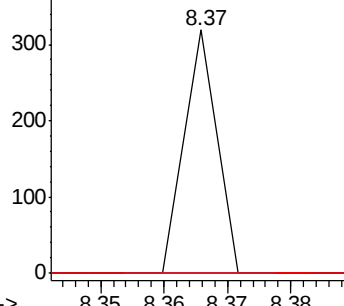
#36  
 4-Chloro-3-methylphenol  
 Concen: 0.007 ng  
 RT: 8.37 min Scan# 1025  
 Delta R.T. -0.20 min  
 Lab File: BF108799.D  
 Acq: 6 Sep 2018 2:38

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:107 Resp: 113  
 Ion Ratio Lower Upper  
 107 100  
 144 0.0 20.5 30.7#  
 142 0.0 62.0 93.0#

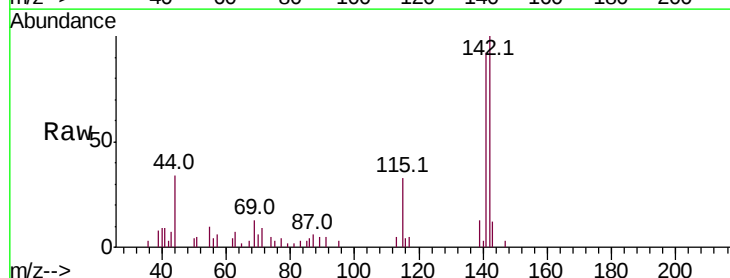


Abundance Ion 107.00 (106.70 to 107.70): E  
 Ion 144.00 (143.70 to 144.70): E  
 Ion 142.00 (141.70 to 142.70): E

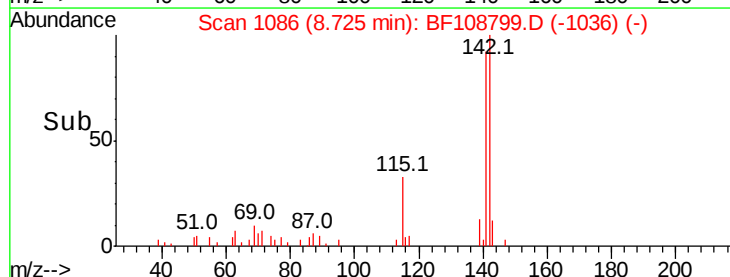
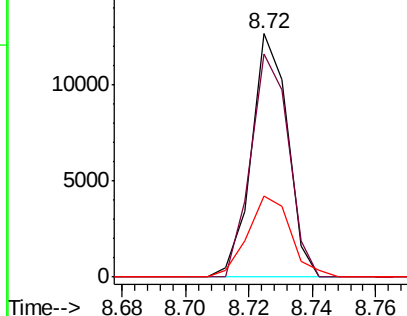


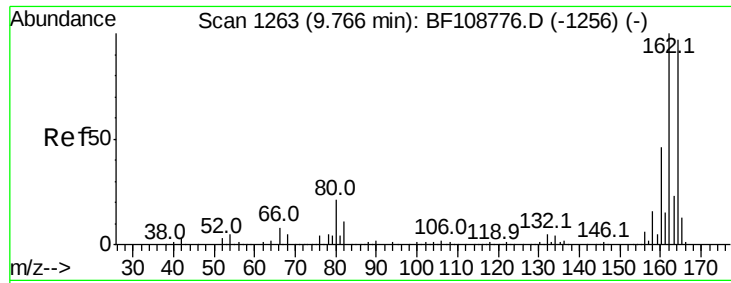
#37  
 2-Methylnaphthalene  
 Concen: 0.335 ng  
 RT: 8.72 min Scan# 1086  
 Delta R.T. -0.01 min  
 Lab File: BF108799.D  
 Acq: 6 Sep 2018 2:38

Tgt Ion:142 Resp: 10044  
 Ion Ratio Lower Upper  
 142 100  
 141 91.5 70.8 106.2  
 115 33.5 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

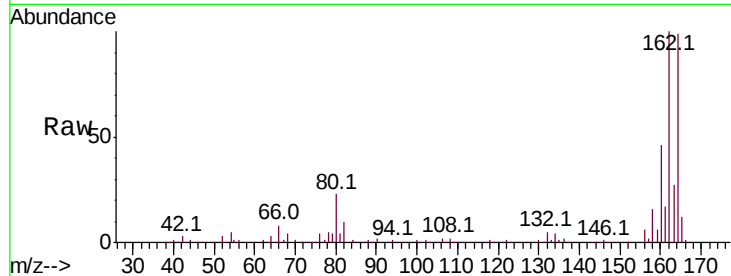




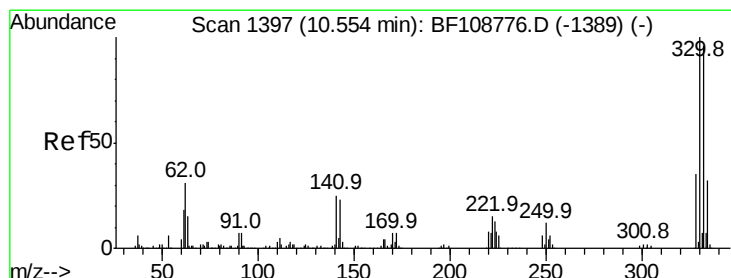
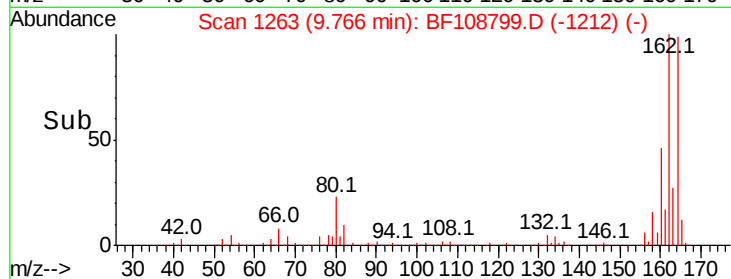
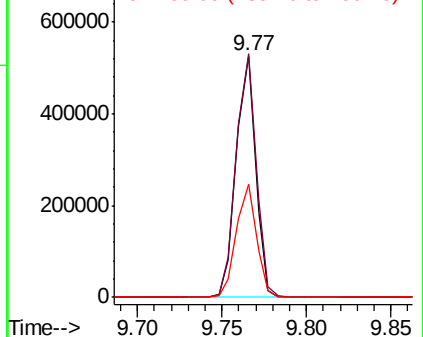
#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.77 min Scan# 1263  
Delta R.T. -0.00 min  
Lab File: BF108799.D  
Acq: 6 Sep 2018 2:38

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:164 Resp: 421911  
Ion Ratio Lower Upper  
164 100  
162 100.8 86.1 129.1  
160 46.7 38.3 57.5

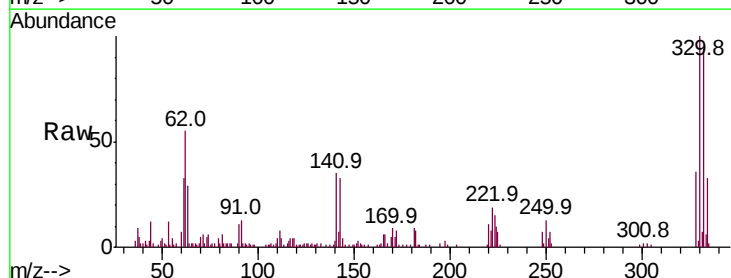


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

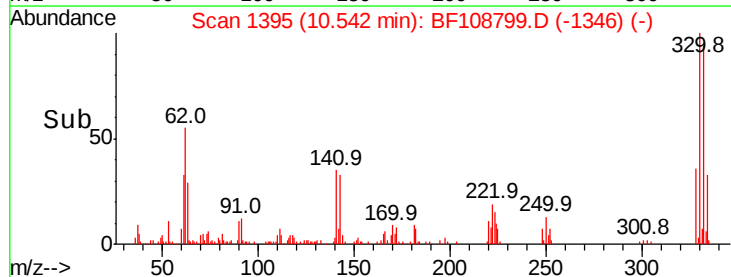
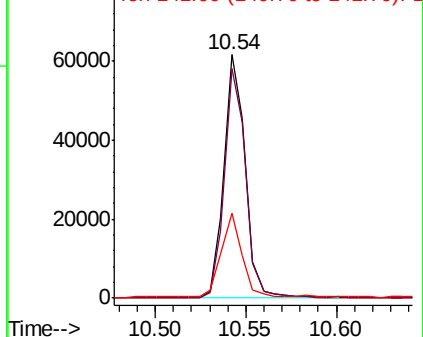


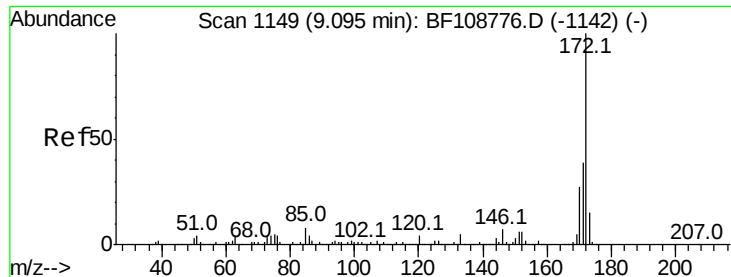
#41  
2,4,6-Tribromophenol  
Concen: 12.553 ng  
RT: 10.54 min Scan# 1395  
Delta R.T. -0.01 min  
Lab File: BF108799.D  
Acq: 6 Sep 2018 2:38

Tgt Ion:330 Resp: 50561  
Ion Ratio Lower Upper  
330 100  
332 93.9 77.0 115.6  
141 32.5 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





#44

2-Fluorobiphenyl

Concen: 13.260 ng

RT: 9.09 min Scan# 1148

Delta R.T. -0.01 min

Lab File: BF108799.D

Acq: 6 Sep 2018 2:38

Instrument :

BNA\_F

ClientSampled :

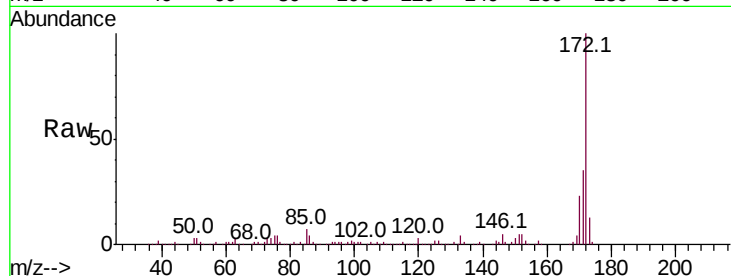
Tot Ion:172 Resp: 327933

Ion Ratio Lower Upper

172 100

171 35.1 29.7 44.5

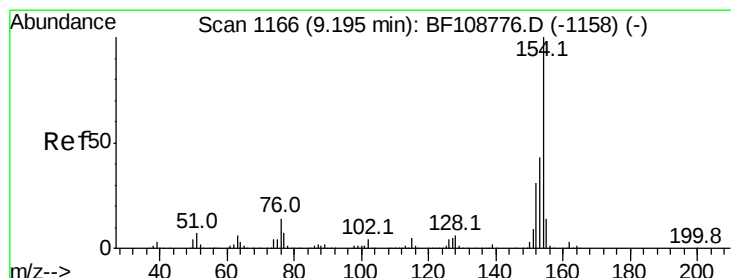
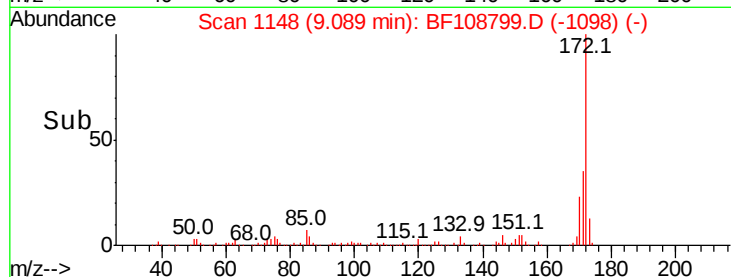
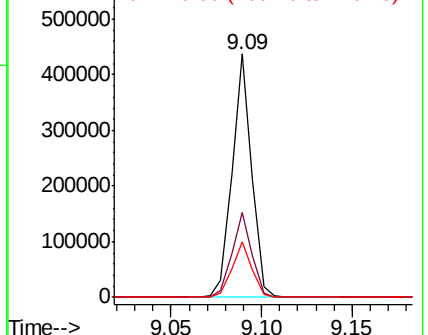
170 23.0 19.6 29.4



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: 0.108 ng

RT: 9.19 min Scan# 1165

Delta R.T. -0.01 min

Lab File: BF108799.D

Acq: 6 Sep 2018 2:38

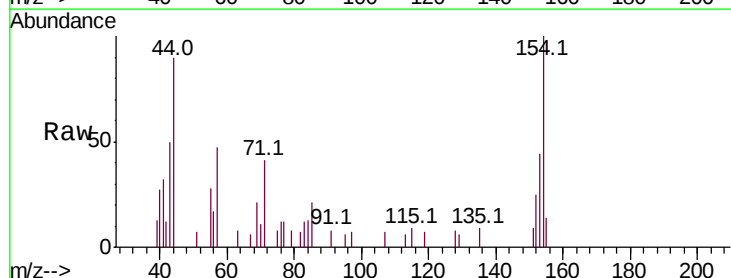
Tgt Ion:154 Resp: 3509

Ion Ratio Lower Upper

154 100

153 43.9 21.3 61.3

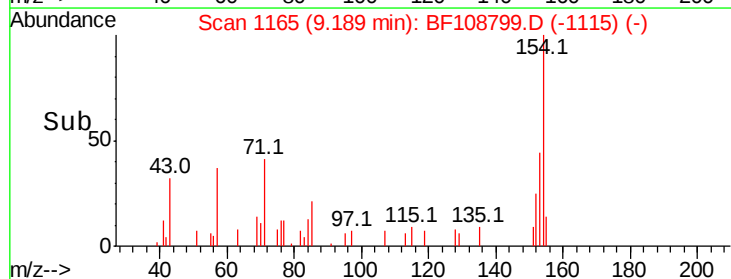
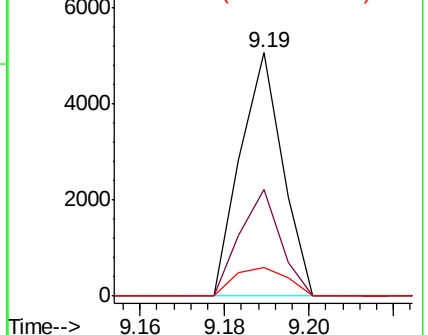
76 11.9 0.0 34.0

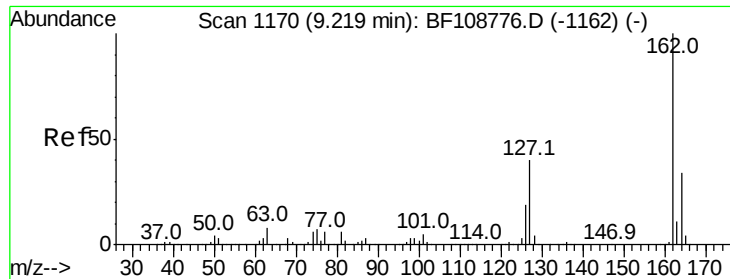


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1

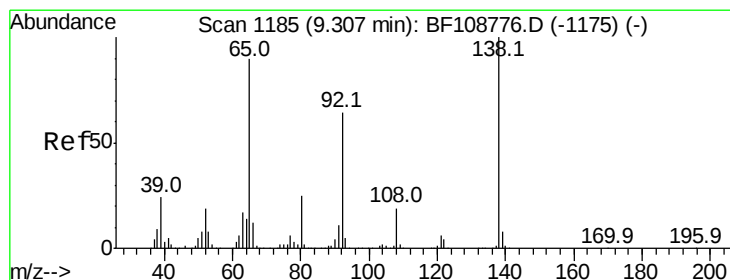
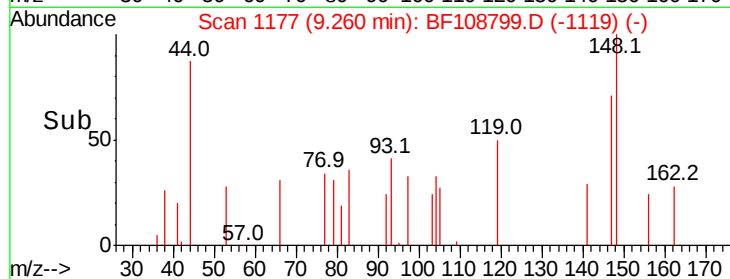
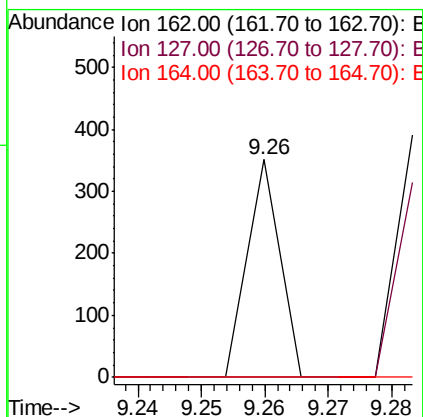
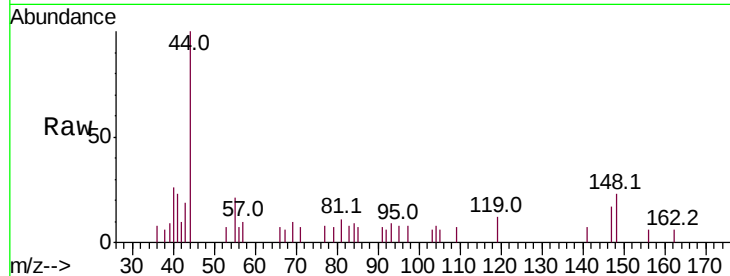




#46  
 2-Chloronaphthalene  
 Concen: 0.005 ng  
 RT: 9.26 min Scan# 1177  
 Delta R.T. 0.04 min  
 Lab File: BF108799.D  
 Acq: 6 Sep 2018 2:38

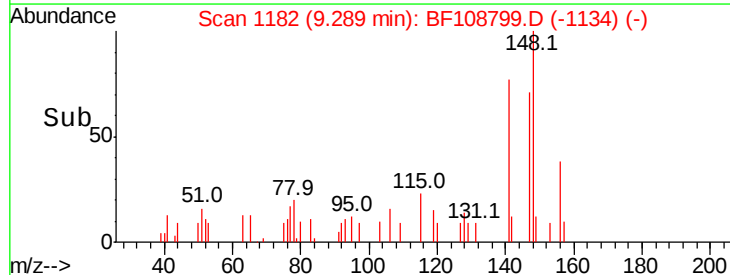
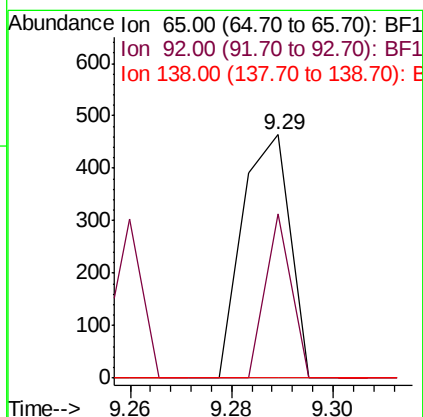
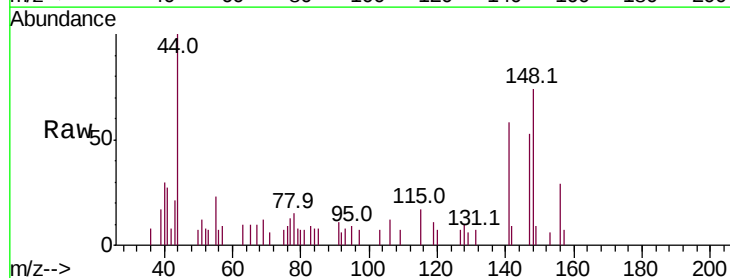
Instrument :  
 BNA\_F  
 ClientSampled :

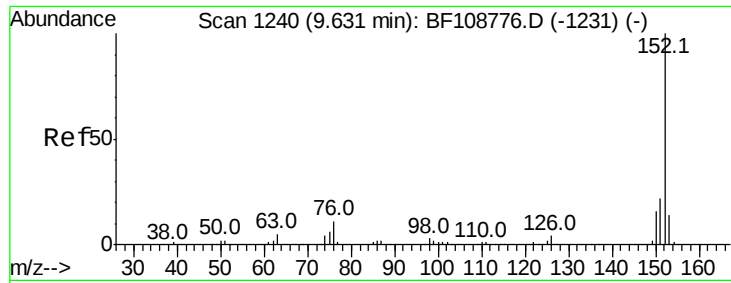
Tot Ion:162 Resp: 124  
 Ion Ratio Lower Upper  
 162 100  
 127 0.0 33.9 50.9#  
 164 0.0 26.5 39.7#



#47  
 2-Nitroaniline  
 Concen: 0.042 ng  
 RT: 9.29 min Scan# 1182  
 Delta R.T. -0.02 min  
 Lab File: BF108799.D  
 Acq: 6 Sep 2018 2:38

Tgt Ion: 65 Resp: 302  
 Ion Ratio Lower Upper  
 65 100  
 92 67.5 55.8 83.6  
 138 0.0 91.2 136.8#

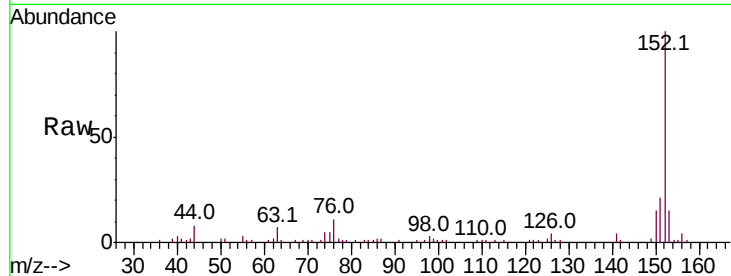




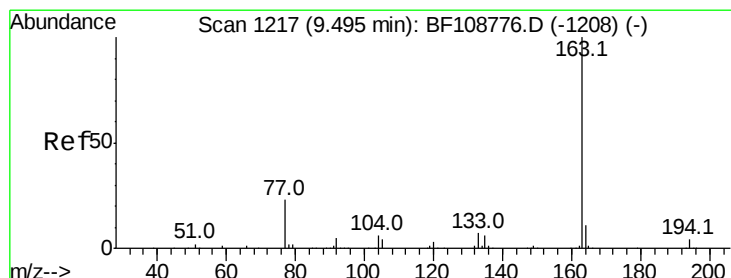
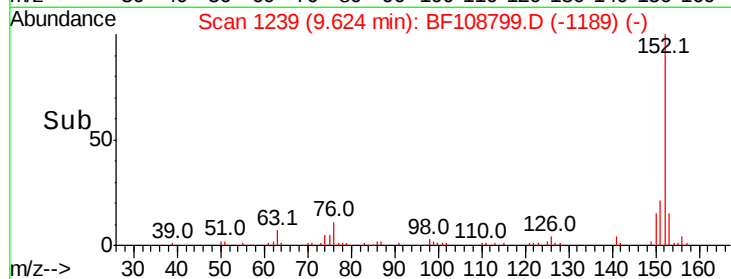
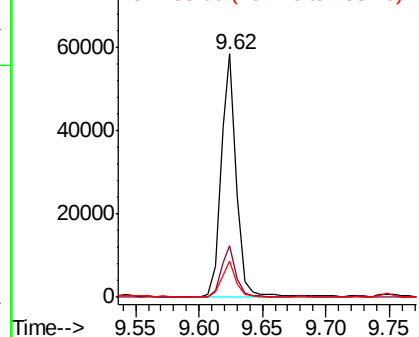
#48  
Acenaphthylene  
Concen: 1.280 ng  
RT: 9.62 min Scan# 1239  
Delta R.T. -0.01 min  
Lab File: BF108799.D  
Acq: 6 Sep 2018 2:38

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 21.1  | 16.3  | 24.5  |
| 153     | 14.6  | 10.7  | 16.1  |

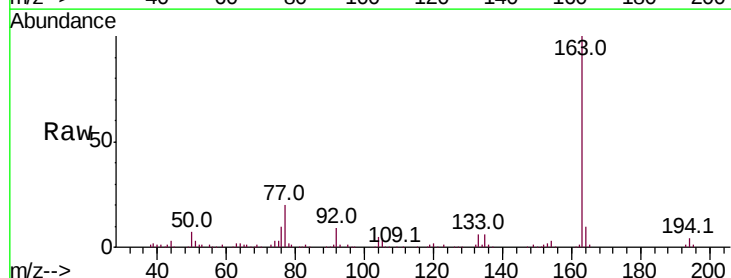


Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 151.00 (150.70 to 151.70): E  
Ion 153.00 (152.70 to 153.70): E

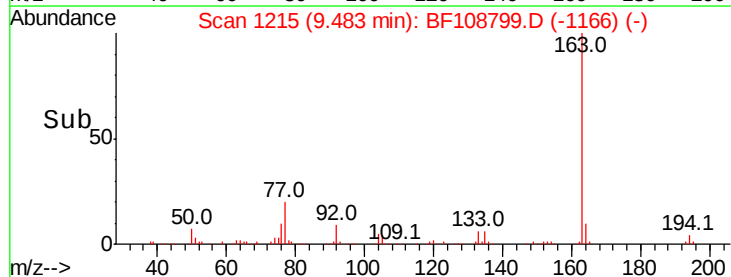
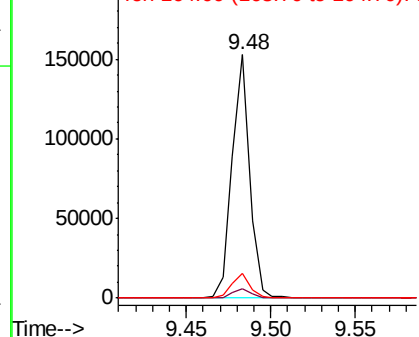


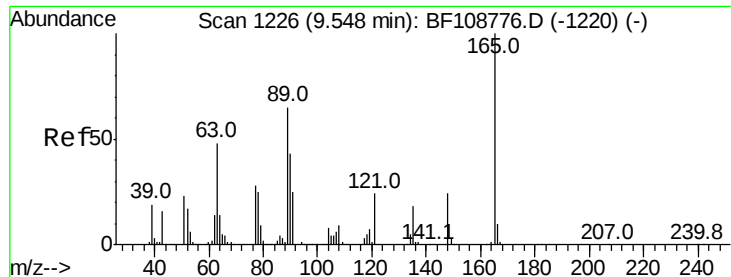
#49  
Dimethylphthalate  
Concen: 3.747 ng  
RT: 9.48 min Scan# 1215  
Delta R.T. -0.01 min  
Lab File: BF108799.D  
Acq: 6 Sep 2018 2:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 3.8   | 2.7   | 4.1   |
| 164     | 10.3  | 8.2   | 12.2  |



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

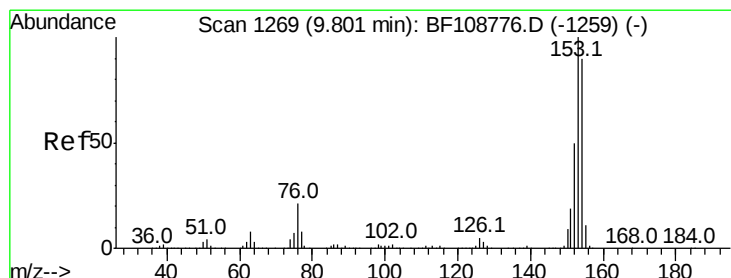
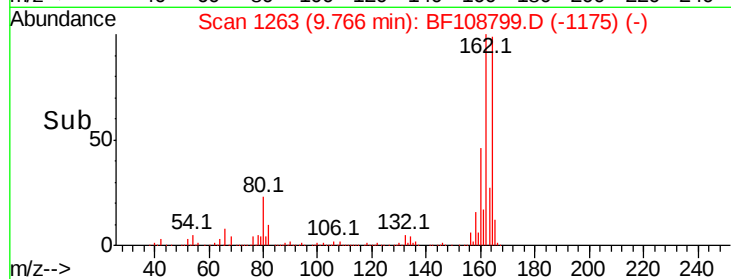
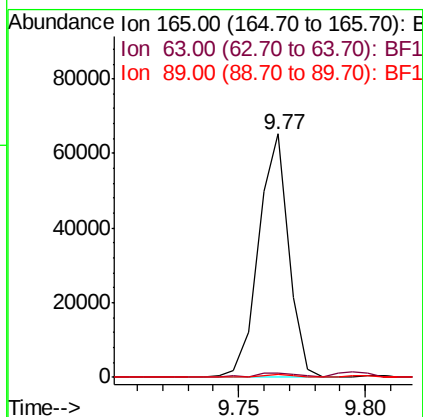
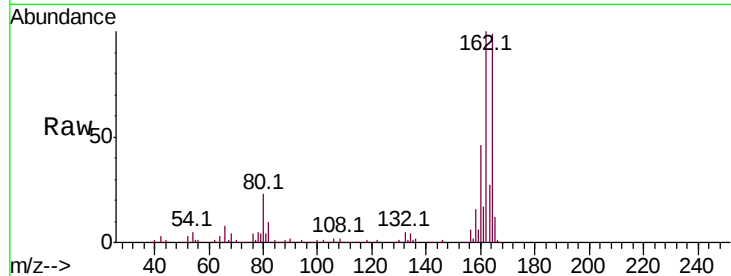




#50  
 2,6-Dinitrotoluene  
 Concen: 9.611 ng  
 RT: 9.77 min Scan# 1263  
 Delta R.T. 0.22 min  
 Lab File: BF108799.D  
 Acq: 6 Sep 2018 2:38

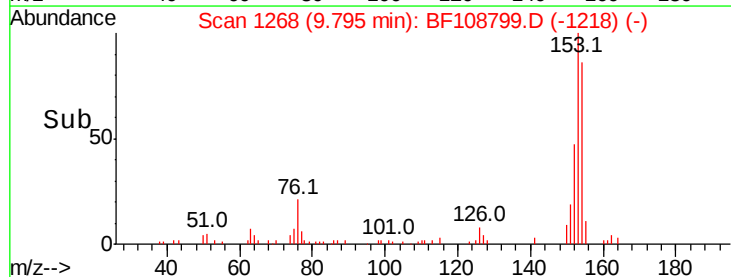
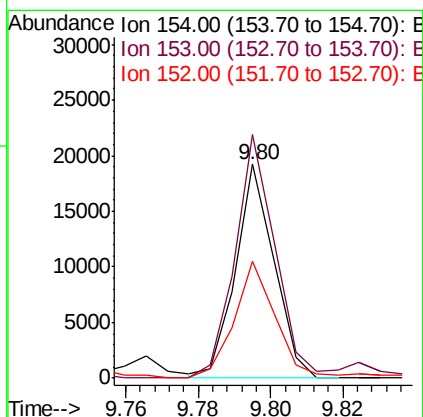
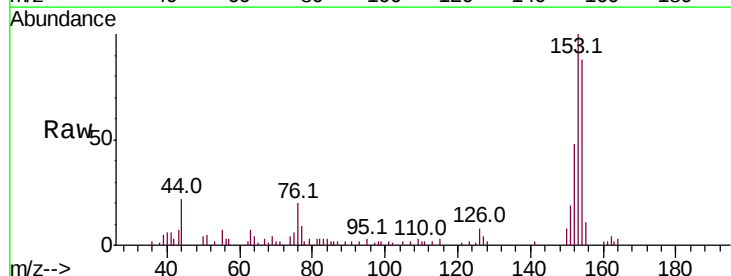
Instrument :  
 BNA\_F  
 ClientSampleId :

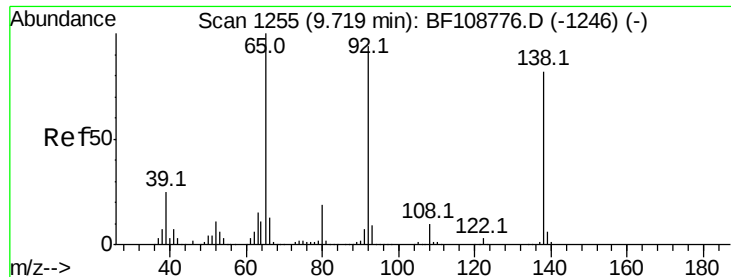
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.6   | 44.7  | 67.1# |
| 89      | 1.4   | 44.0  | 66.0# |



#51  
 Acenaphthene  
 Concen: 0.587 ng  
 RT: 9.80 min Scan# 1268  
 Delta R.T. -0.01 min  
 Lab File: BF108799.D  
 Acq: 6 Sep 2018 2:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 113.7 | 91.2  | 136.8 |
| 152     | 54.8  | 43.8  | 65.8  |

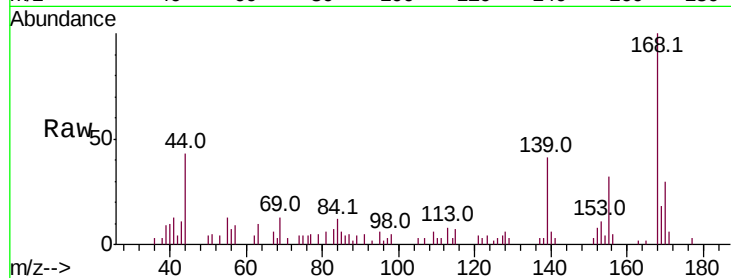




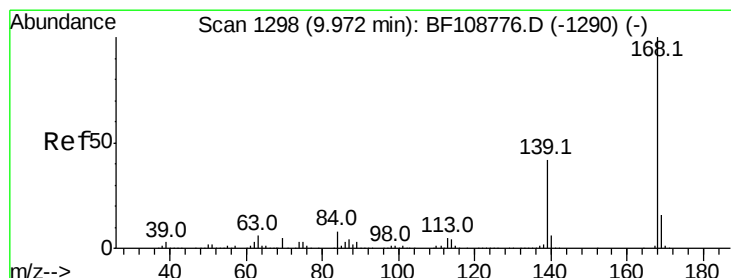
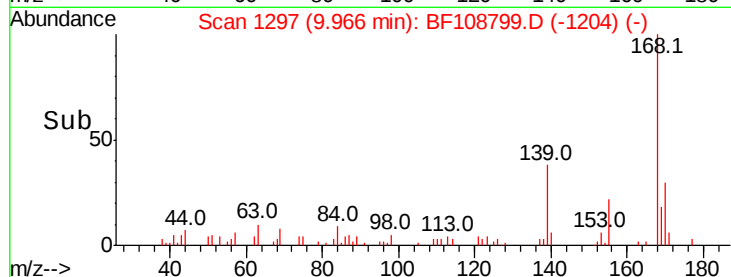
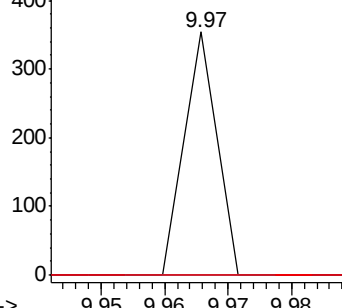
#52  
3-Nitroaniline  
Concen: 0.019 ng  
RT: 9.97 min Scan# 1297  
Delta R.T. 0.25 min  
Lab File: BF108799.D  
Acq: 6 Sep 2018 2:38

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:138 Resp: 125  
Ion Ratio Lower Upper  
138 100  
108 0.0 9.4 14.0#  
92 0.0 89.4 134.2#

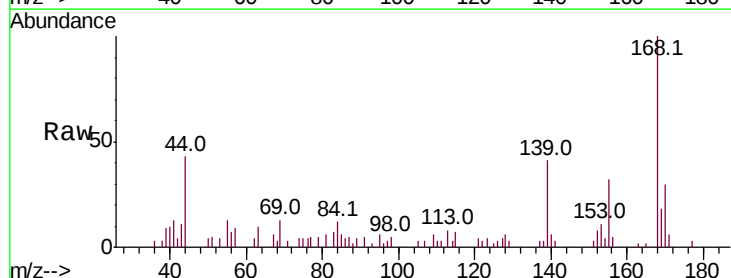


Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 92.00 (91.70 to 92.70): BF1

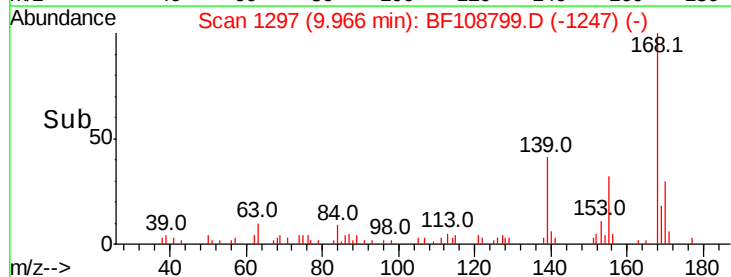
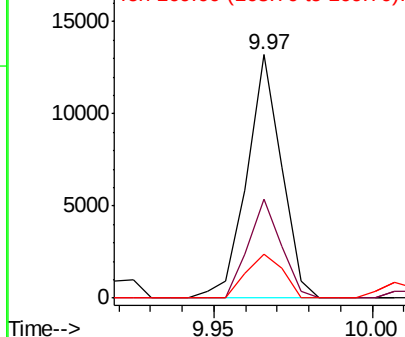


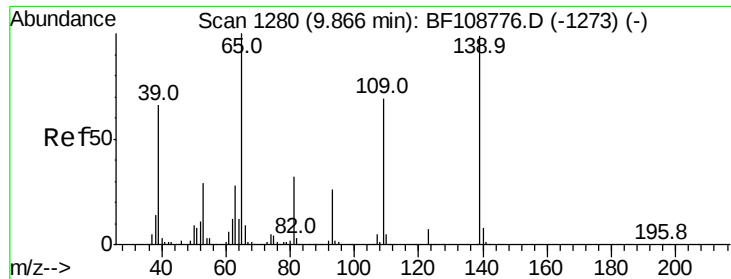
#54  
Dibenzofuran  
Concen: 0.283 ng  
RT: 9.97 min Scan# 1297  
Delta R.T. -0.01 min  
Lab File: BF108799.D  
Acq: 6 Sep 2018 2:38

Tgt Ion:168 Resp: 10011  
Ion Ratio Lower Upper  
168 100  
139 40.8 30.1 45.1  
169 17.9 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

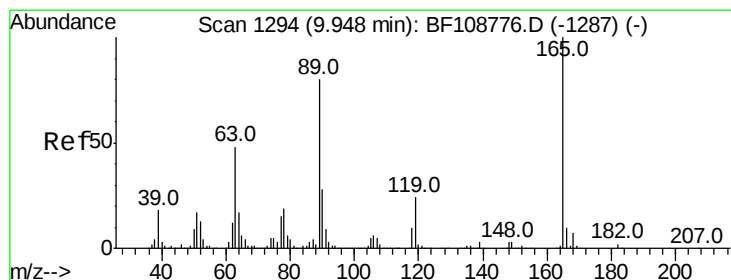
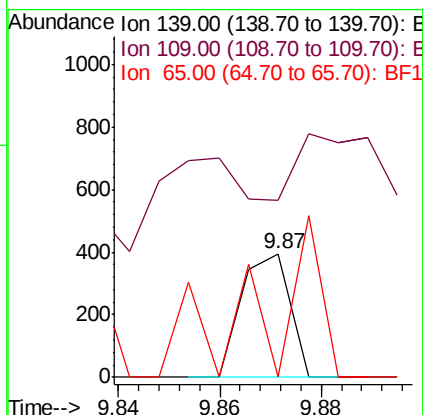
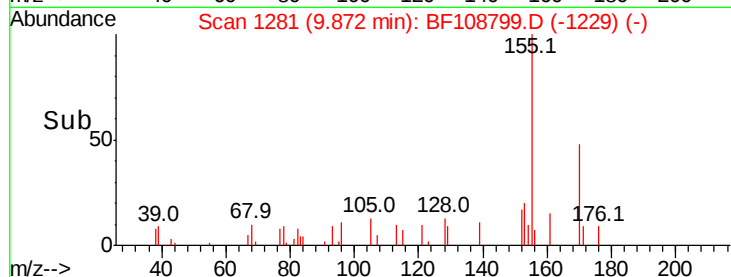
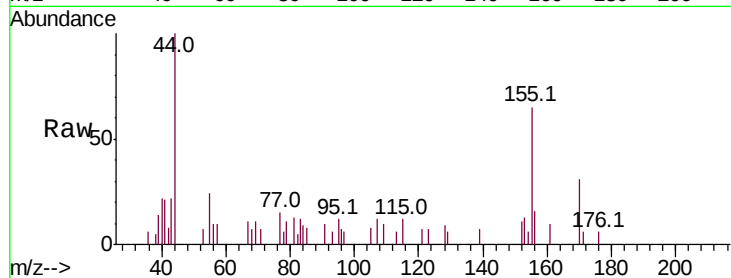




#55  
4-Nitrophenol  
Concen: 0.052 ng  
RT: 9.87 min Scan# 1281  
Delta R.T. 0.01 min  
Lab File: BF108799.D  
Acq: 6 Sep 2018 2:38

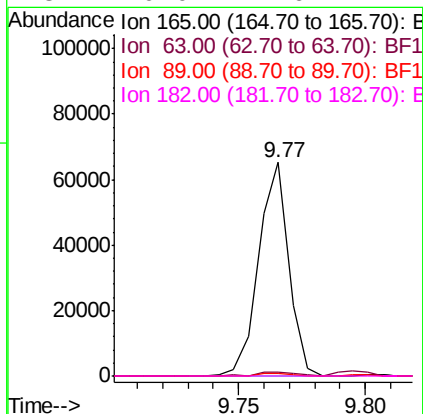
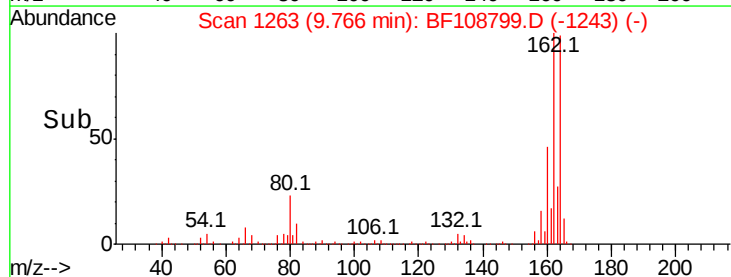
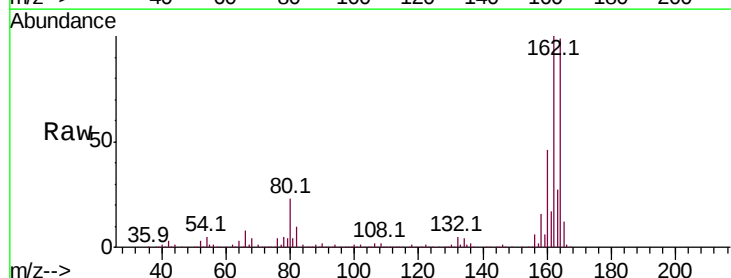
Instrument :  
BNA\_F  
ClientSampleId :

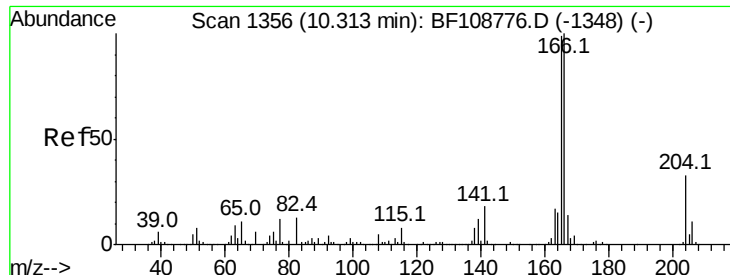
Tot Ion:139 Resp: 262  
Ion Ratio Lower Upper  
139 100  
109 143.2 48.4 88.4#  
65 0.0 72.6 112.6#



#56  
2,4-Dinitrotoluene  
Concen: 7.515 ng  
RT: 9.77 min Scan# 1263  
Delta R.T. -0.18 min  
Lab File: BF108799.D  
Acq: 6 Sep 2018 2:38

Tgt Ion:165 Resp: 54042  
Ion Ratio Lower Upper  
165 100  
63 1.6 36.4 54.6#  
89 1.4 57.8 86.6#  
182 0.0 1.6 2.4#





#57

Fluorene

Concen: 0.889 ng

RT: 10.31 min Scan# 1355

Delta R.T. -0.01 min

Lab File: BF108799.D

Acq: 6 Sep 2018 2:38

Instrument :

BNA\_F

ClientSampleId :

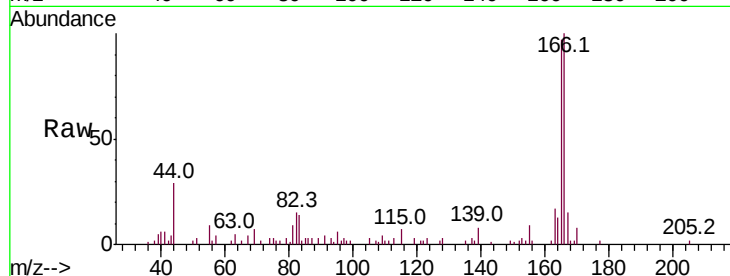
Tot Ion:166 Resp: 20148

Ion Ratio Lower Upper

166 100

165 96.7 79.8 119.8

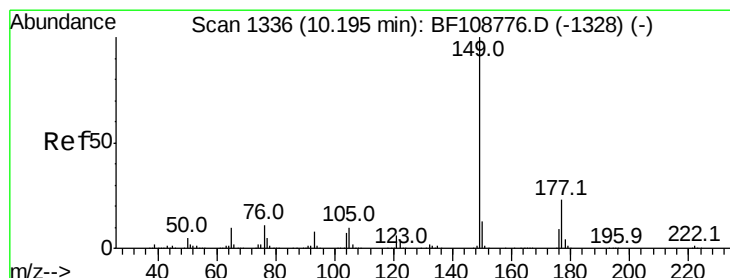
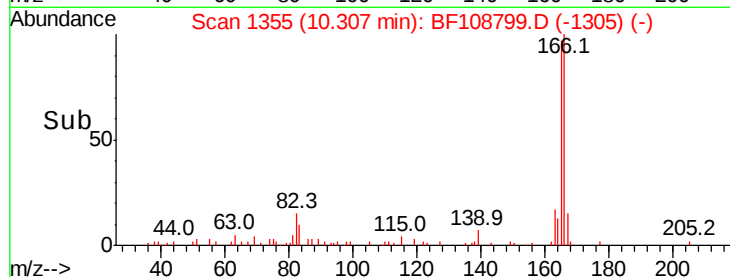
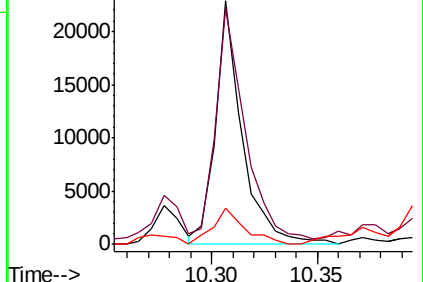
167 15.1 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#59

Diethylphthalate

Concen: 0.097 ng

RT: 10.18 min Scan# 1334

Delta R.T. -0.01 min

Lab File: BF108799.D

Acq: 6 Sep 2018 2:38

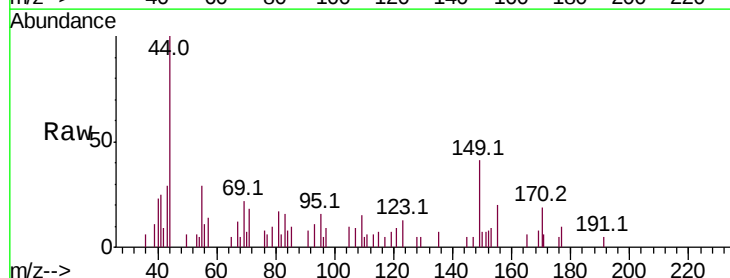
Tgt Ion:149 Resp: 2943

Ion Ratio Lower Upper

149 100

177 24.8 16.1 24.1#

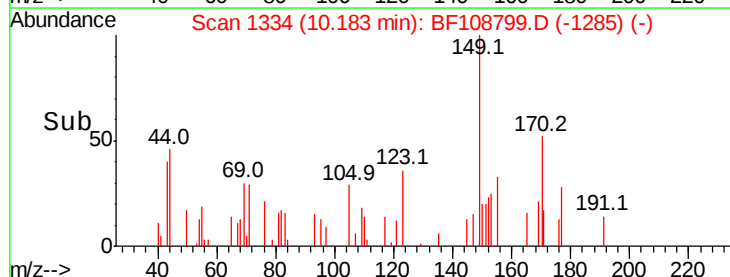
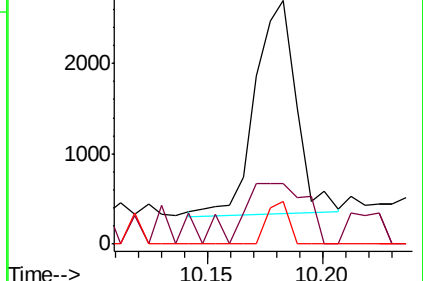
150 17.6 10.1 15.1#

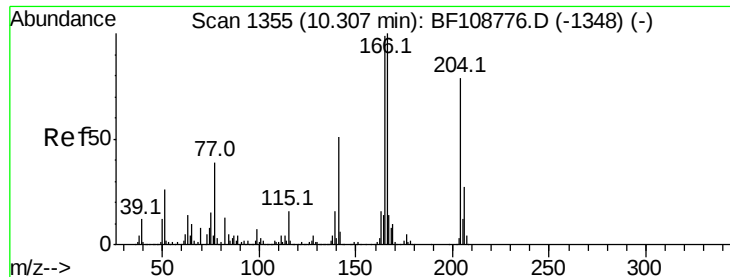


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

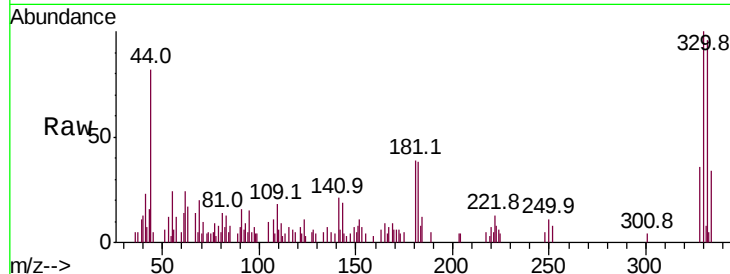




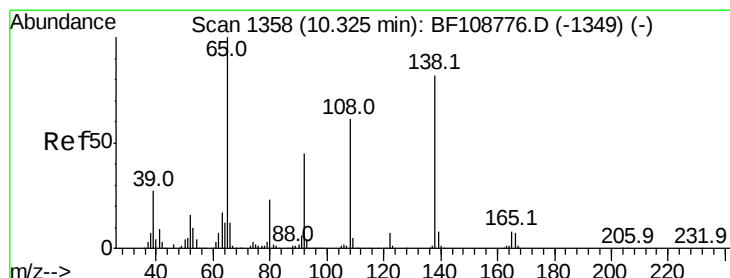
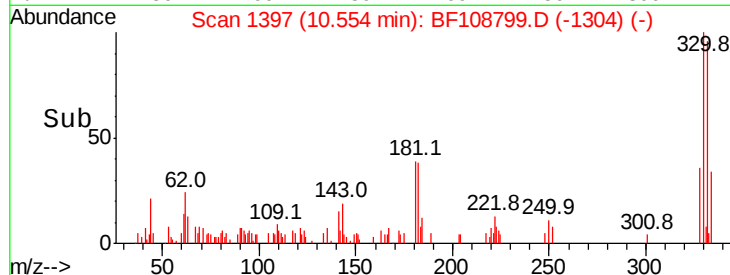
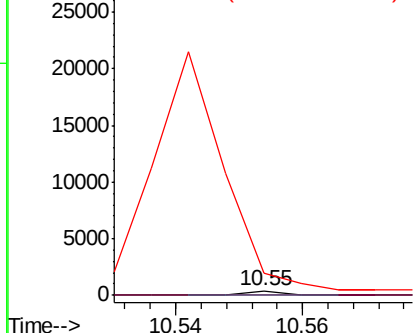
#60  
4-Chlorophenyl-phenylether  
Concen: 0.011 ng  
RT: 10.55 min Scan# 1397  
Delta R.T. 0.25 min  
Lab File: BF108799.D  
Acq: 6 Sep 2018 2:38

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:204 Resp: 135  
Ion Ratio Lower Upper  
204 100  
206 0.0 26.5 39.7#  
141 515.9 54.6 81.8#

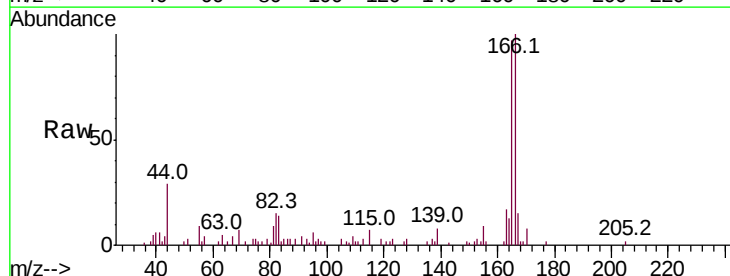


Abundance Ion 204.00 (203.70 to 204.70): E  
Ion 206.00 (205.70 to 206.70): E  
Ion 141.00 (140.70 to 141.70): E

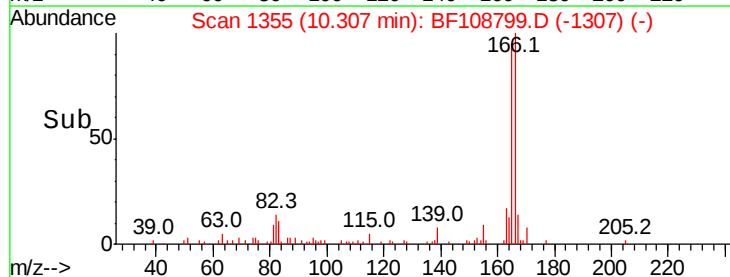
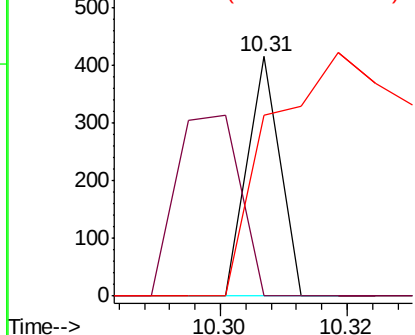


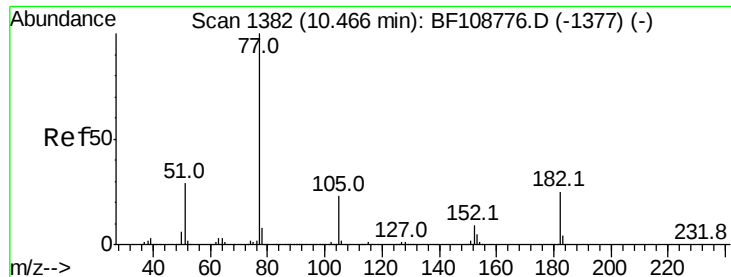
#61  
4-Nitroaniline  
Concen: 0.024 ng  
RT: 10.31 min Scan# 1355  
Delta R.T. -0.02 min  
Lab File: BF108799.D  
Acq: 6 Sep 2018 2:38

Tgt Ion:138 Resp: 147  
Ion Ratio Lower Upper  
138 100  
92 0.0 30.2 70.2#  
108 75.2 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: 0.026 ng

RT: 10.46 min Scan# 1381

Delta R.T. -0.01 min

Lab File: BF108799.D

Acq: 6 Sep 2018 2:38

Instrument :

BNA\_F

ClientSampled :

Tot Ion: 77 Resp: 827

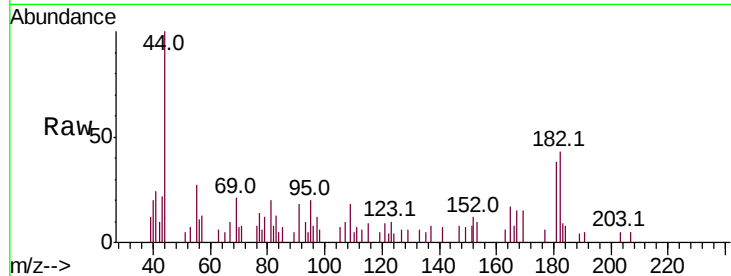
Ion Ratio Lower Upper

77 100

182 312.5 1.7 41.7#

105 53.5 3.0 43.0#

51 34.6 9.9 49.9

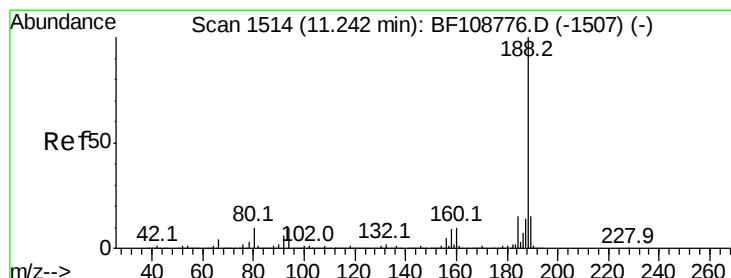
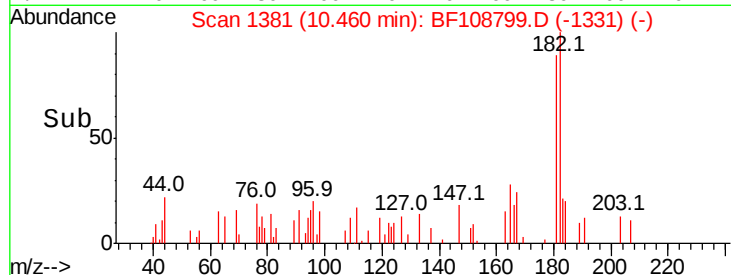
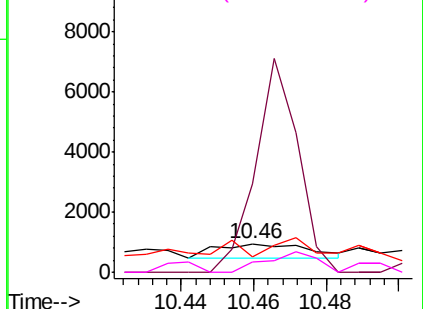


Abundance Ion 77.00 (76.70 to 77.70): BF1

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: 11.24 min Scan# 1514

Delta R.T. -0.00 min

Lab File: BF108799.D

Acq: 6 Sep 2018 2:38

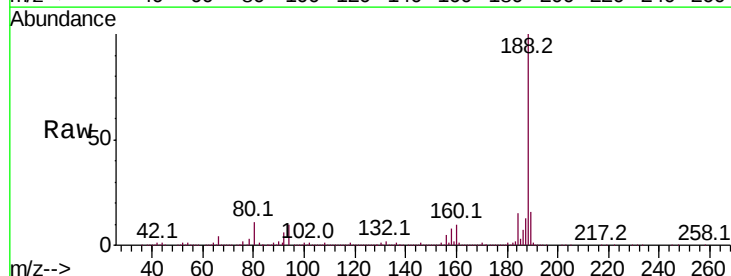
Tgt Ion: 188 Resp: 704459

Ion Ratio Lower Upper

188 100

94 10.3 8.5 12.7

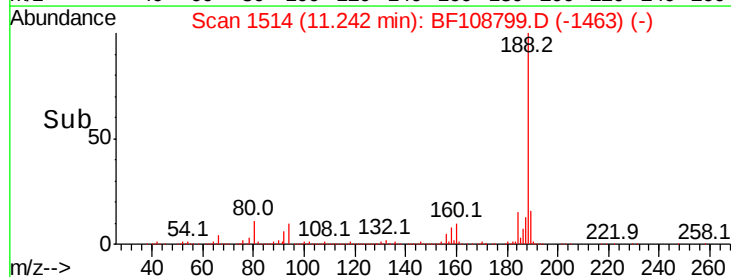
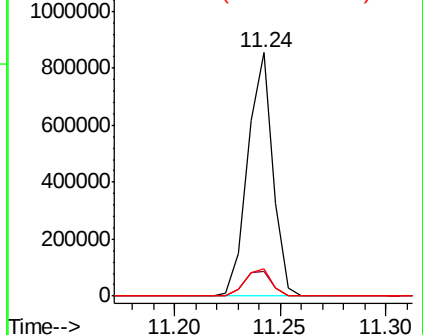
80 11.0 9.2 13.8

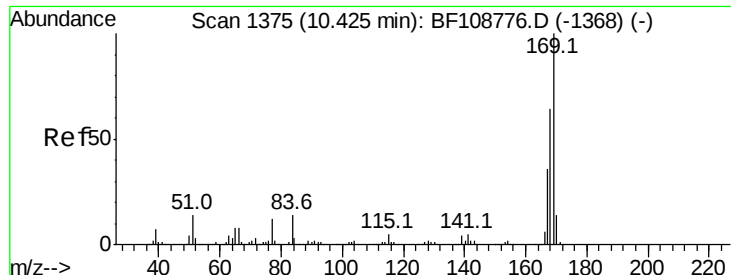


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

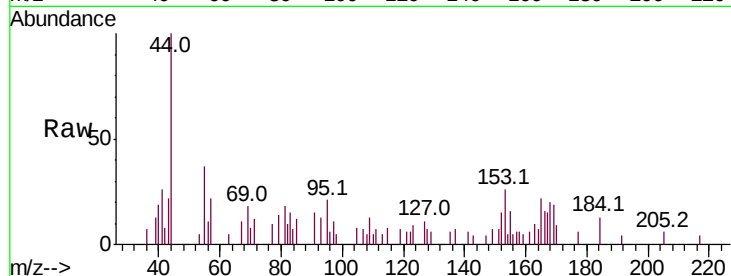




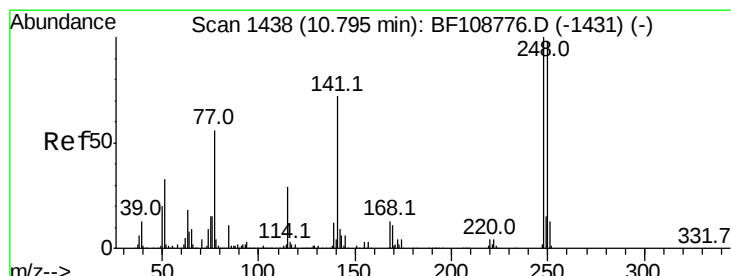
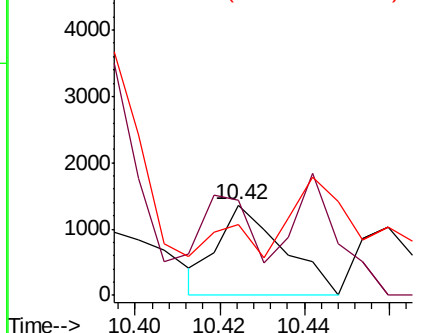
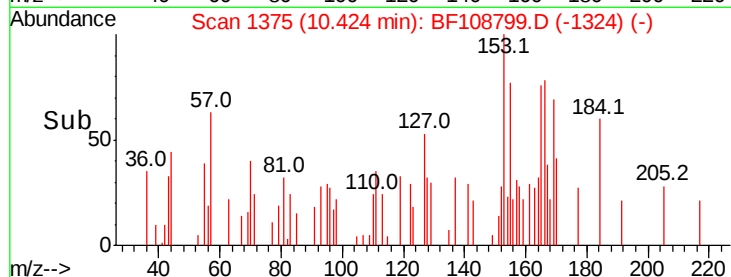
#65  
 n-Nitrosodiphenylamine  
 Concen: 0.062 ng  
 RT: 10.42 min Scan# 1375  
 Delta R.T. -0.00 min  
 Lab File: BF108799.D  
 Acq: 6 Sep 2018 2:38

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:169 Resp: 1452  
 Ion Ratio Lower Upper  
 169 100  
 168 105.6 54.4 81.6#  
 167 78.5 29.8 44.6#

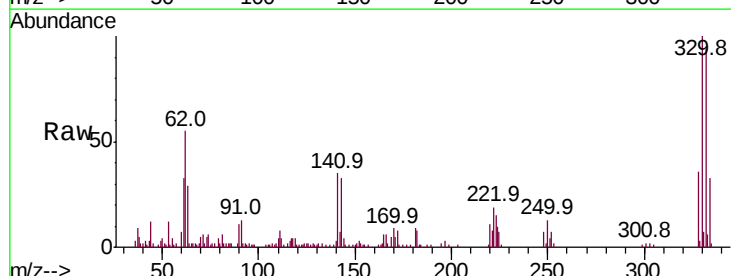


Abundance Ion 169.00 (168.70 to 169.70): E  
 Ion 168.00 (167.70 to 168.70): E  
 Ion 167.00 (166.70 to 167.70): E

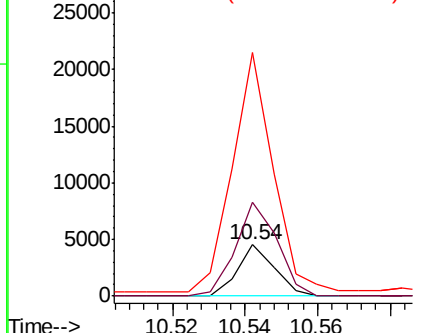
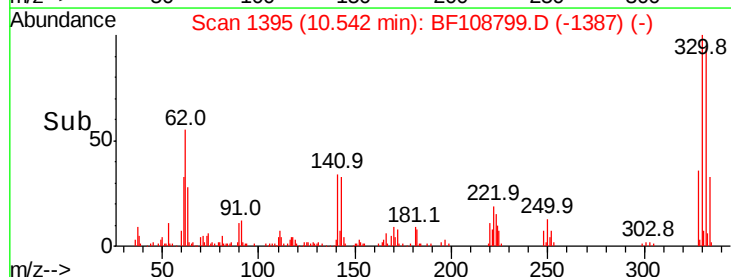


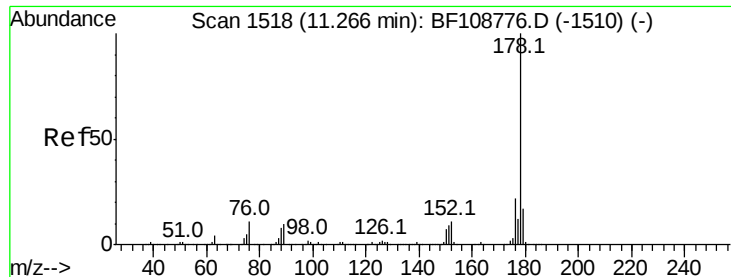
#66  
 4-Bromophenyl-phenylether  
 Concen: 0.400 ng  
 RT: 10.54 min Scan# 1395  
 Delta R.T. -0.25 min  
 Lab File: BF108799.D  
 Acq: 6 Sep 2018 2:38

Tgt Ion:248 Resp: 3181  
 Ion Ratio Lower Upper  
 248 100  
 250 184.1 76.9 115.3#  
 141 477.2 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





#70

Phenanthrene

Concen: 7.545 ng

RT: 11.27 min Scan# 1518

Delta R.T. -0.00 min

Lab File: BF108799.D

Acq: 6 Sep 2018 2:38

Instrument :

BNA\_F

ClientSampleId :

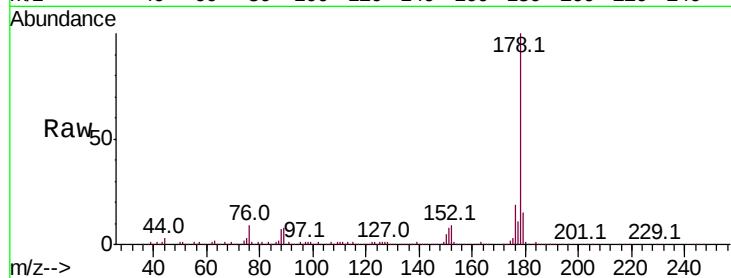
Tot Ion:178 Resp: 253822

Ion Ratio Lower Upper

178 100

176 18.6 15.8 23.8

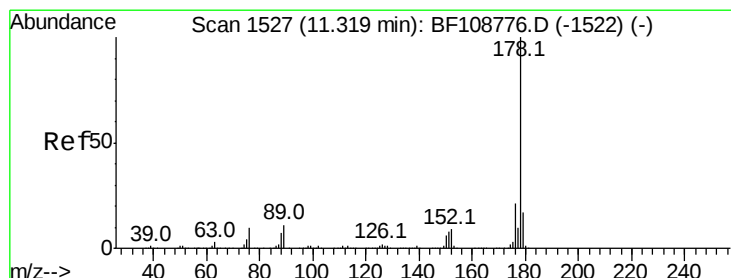
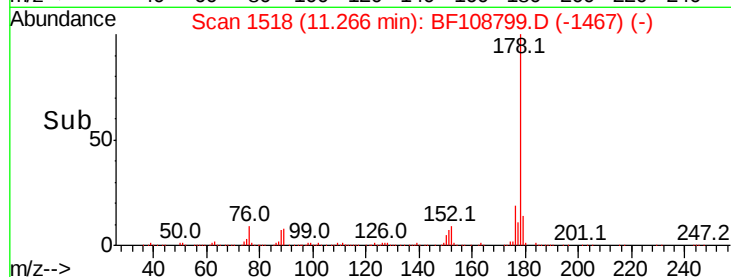
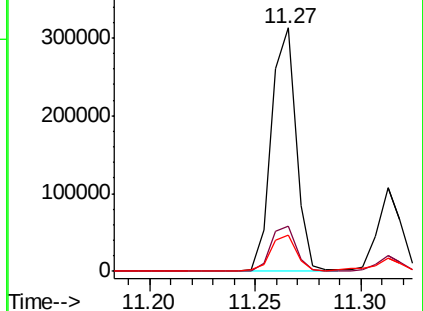
179 14.7 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 2.509 ng

RT: 11.31 min Scan# 1526

Delta R.T. -0.01 min

Lab File: BF108799.D

Acq: 6 Sep 2018 2:38

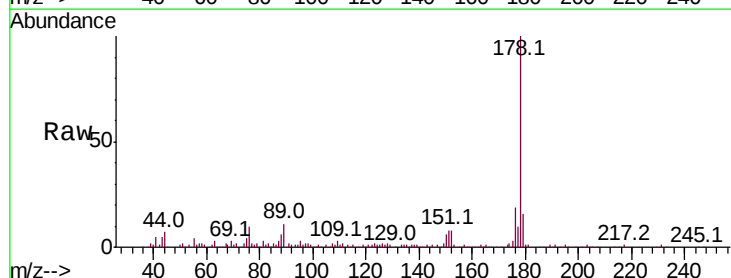
Tgt Ion:178 Resp: 80810

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.2

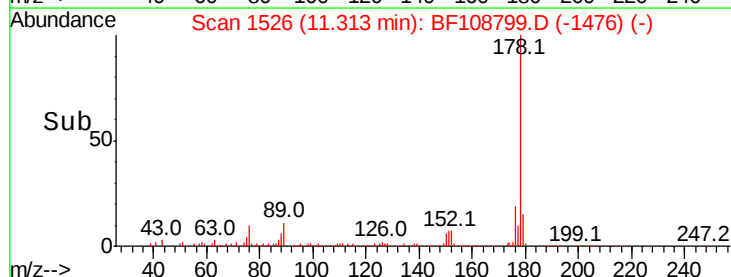
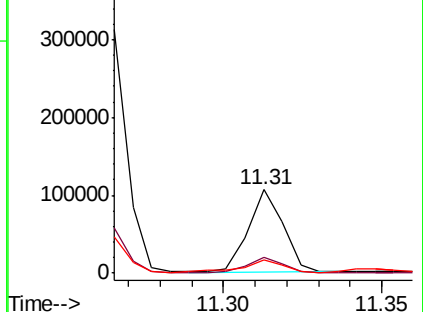
179 15.5 12.6 19.0

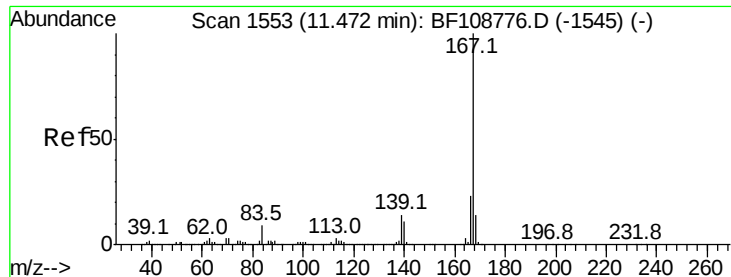


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 0.626 ng

RT: 11.47 min Scan# 1552

Delta R.T. -0.01 min

Lab File: BF108799.D

Acq: 6 Sep 2018 2:38

Instrument :

BNA\_F

ClientSampleId :

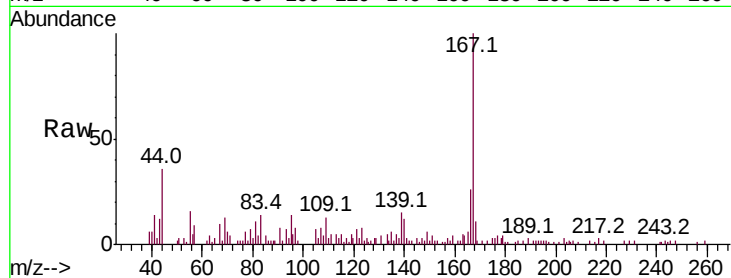
Tot Ion:167 Resp: 21221

Ion Ratio Lower Upper

167 100

166 25.9 17.6 26.4

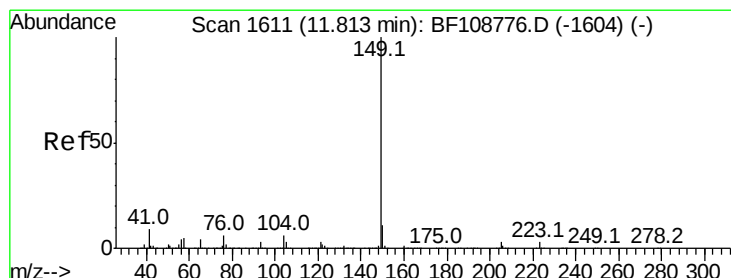
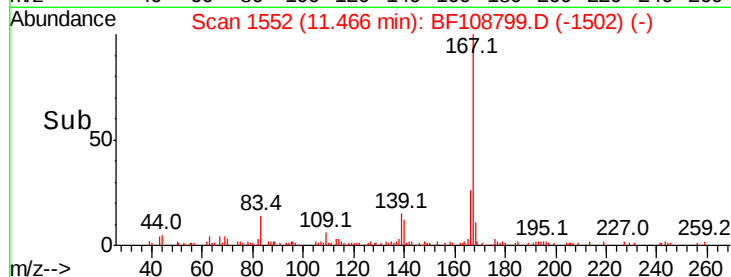
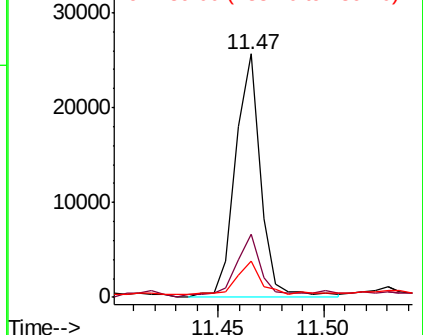
139 14.7 10.9 16.3



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#73

Di-n-butylphthalate

Concen: 0.292 ng

RT: 11.81 min Scan# 1611

Delta R.T. -0.00 min

Lab File: BF108799.D

Acq: 6 Sep 2018 2:38

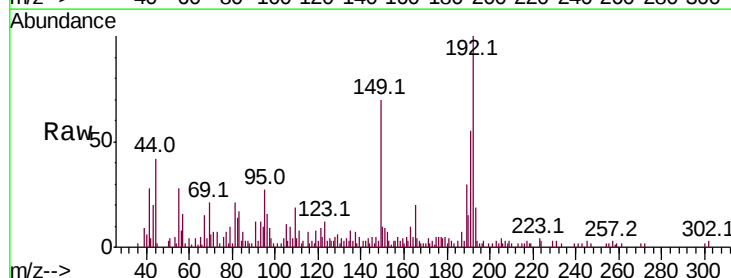
Tgt Ion:149 Resp: 11013

Ion Ratio Lower Upper

149 100

150 14.8 7.8 11.6#

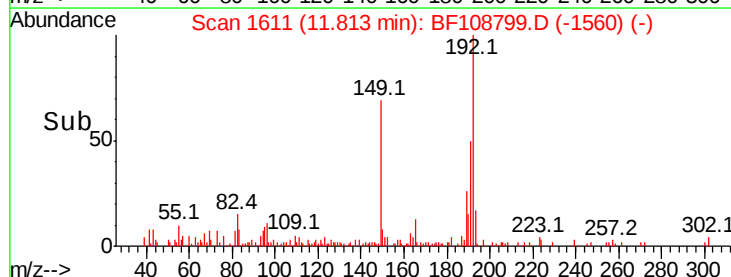
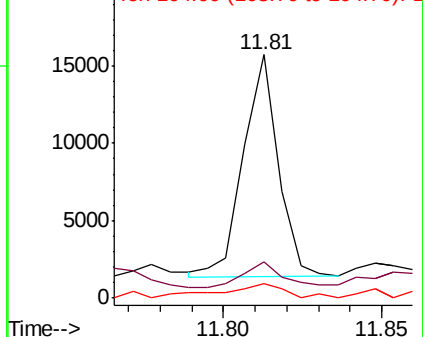
104 6.1 3.8 5.8#

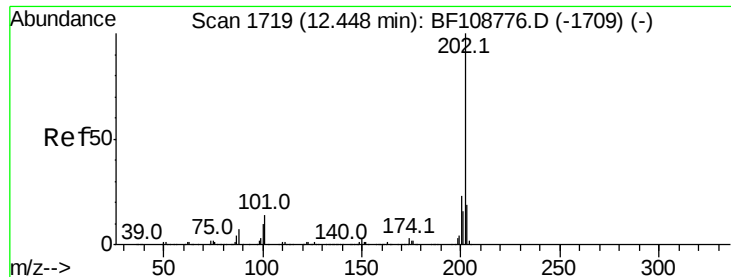


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

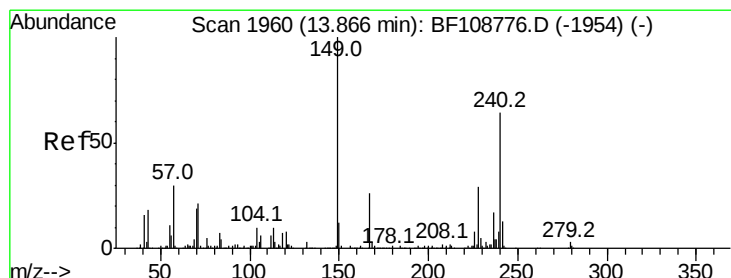
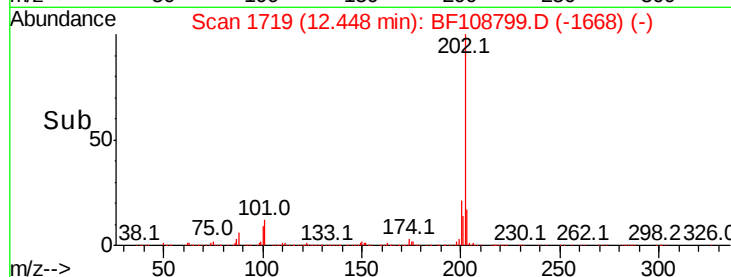
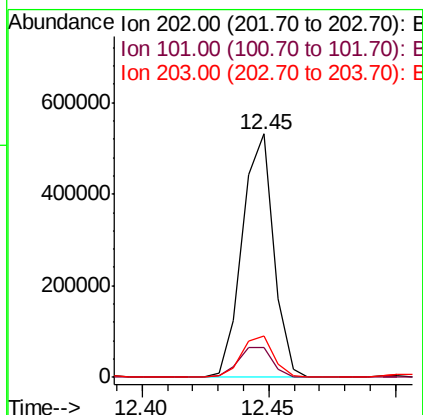
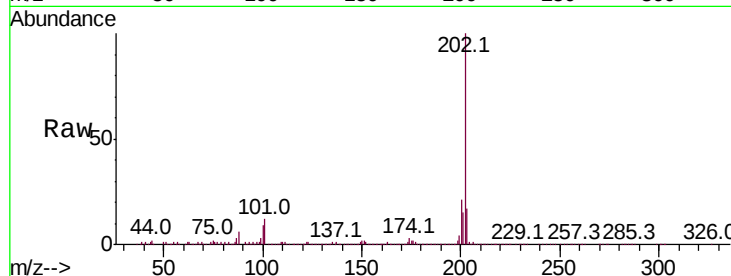




#74  
Fluoranthene  
Concen: 13.710 ng  
RT: 12.45 min Scan# 1719  
Delta R.T. -0.00 min  
Lab File: BF108799.D  
Acq: 6 Sep 2018 2:38

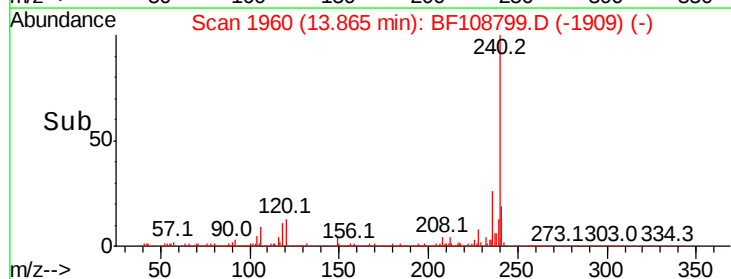
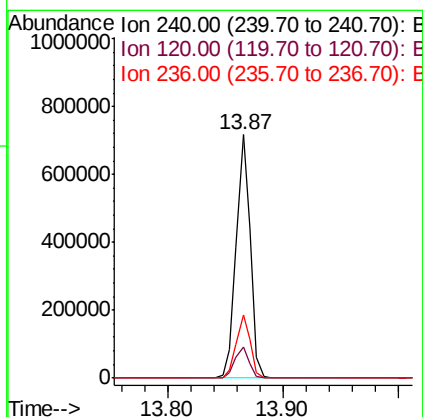
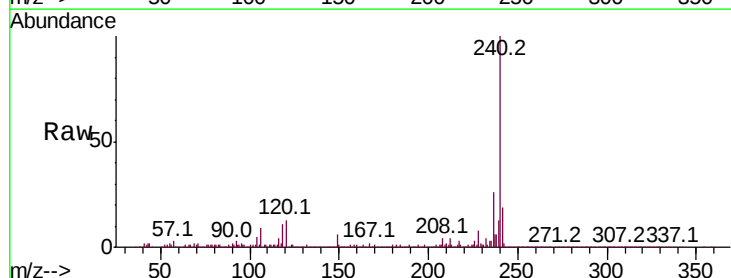
Instrument :  
BNA\_F  
ClientSampleId :

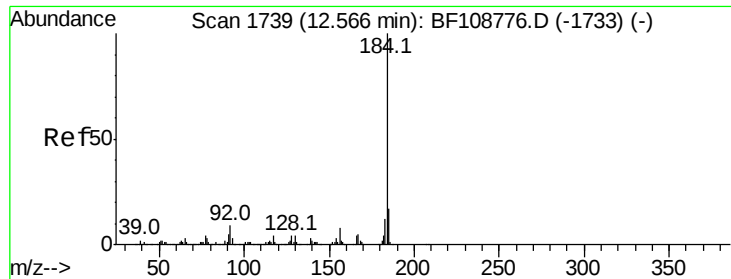
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 12.2  | 0.0   | 34.1  |
| 203     | 16.9  | 0.0   | 38.1  |



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.87 min Scan# 1960  
Delta R.T. -0.00 min  
Lab File: BF108799.D  
Acq: 6 Sep 2018 2:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 12.9  | 9.5   | 14.3  |
| 236     | 25.9  | 20.7  | 31.1  |

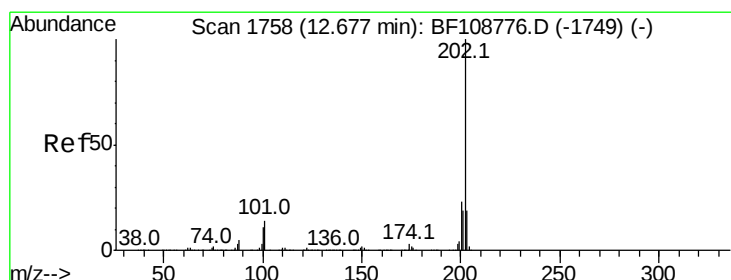
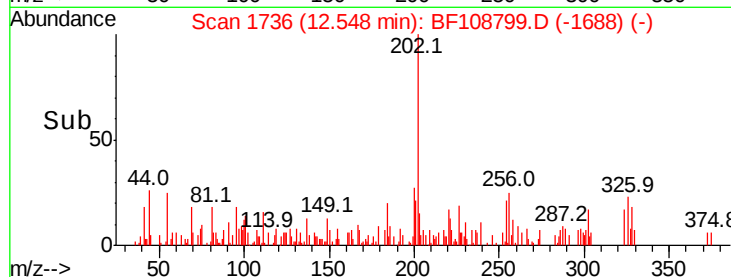
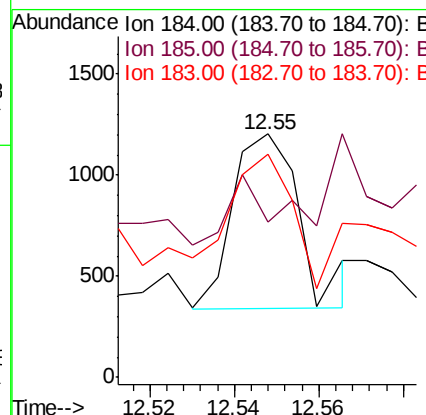
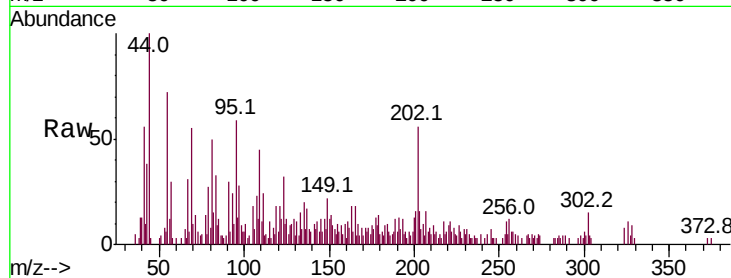




#76  
Benzidine  
Concen: 0.034 ng  
RT: 12.55 min Scan# 1736  
Delta R.T. -0.02 min  
Lab File: BF108799.D  
Acq: 6 Sep 2018 2:38

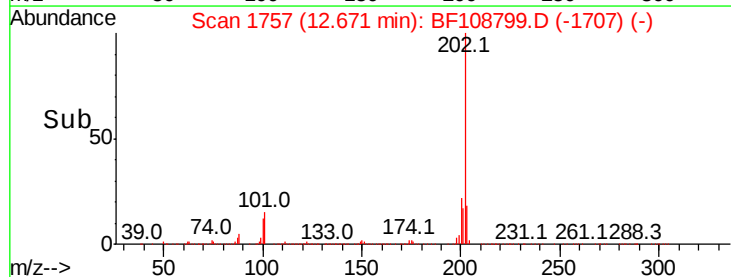
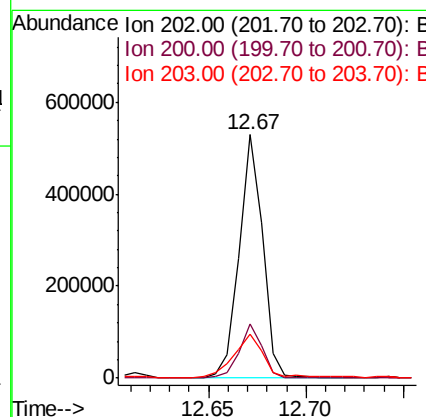
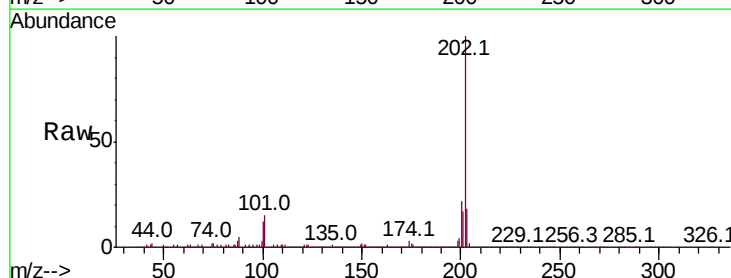
Instrument :  
BNA\_F  
ClientSampleId :

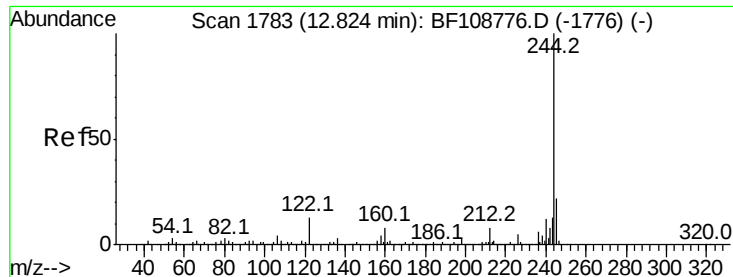
Tot Ion:184 Resp: 963  
Ion Ratio Lower Upper  
184 100  
185 63.7 12.6 18.8#  
183 91.8 9.3 13.9#



#77  
Pyrene  
Concen: 9.509 ng  
RT: 12.67 min Scan# 1757  
Delta R.T. -0.01 min  
Lab File: BF108799.D  
Acq: 6 Sep 2018 2:38

Tgt Ion:202 Resp: 441438  
Ion Ratio Lower Upper  
202 100  
200 22.1 17.4 26.2  
203 18.0 14.3 21.5





#78

Terphenyl-d14

Concen: 10.703 ng

RT: 12.82 min Scan# 1782

Delta R.T. -0.01 min

Lab File: BF108799.D

Acq: 6 Sep 2018 2:38

Instrument :

BNA\_F

ClientSampleId :

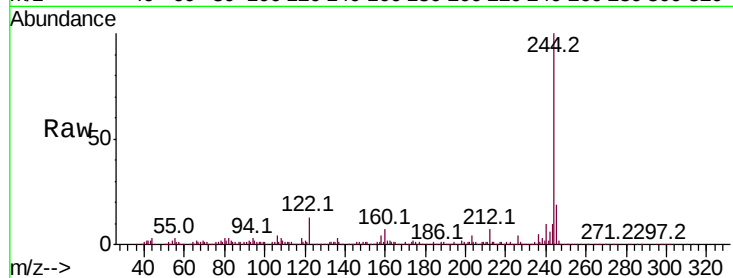
Tot Ion:244 Resp: 276910

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

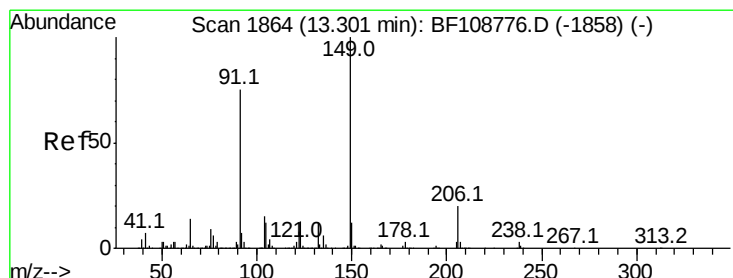
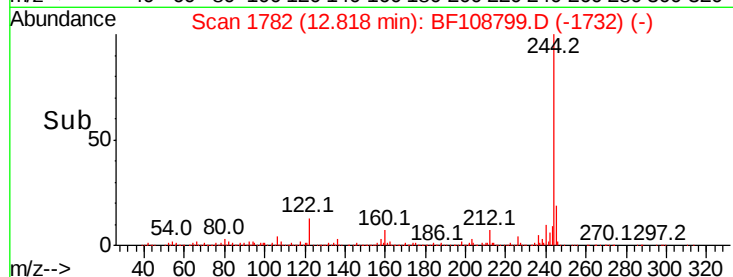
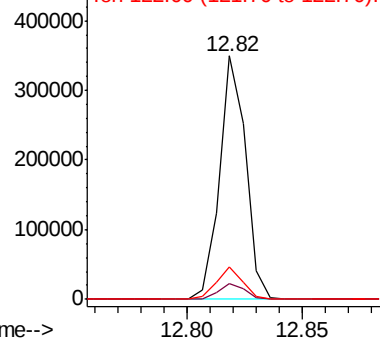
122 13.2 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#79

Butylbenzylphthalate

Concen: 0.233 ng

RT: 13.30 min Scan# 1864

Delta R.T. -0.00 min

Lab File: BF108799.D

Acq: 6 Sep 2018 2:38

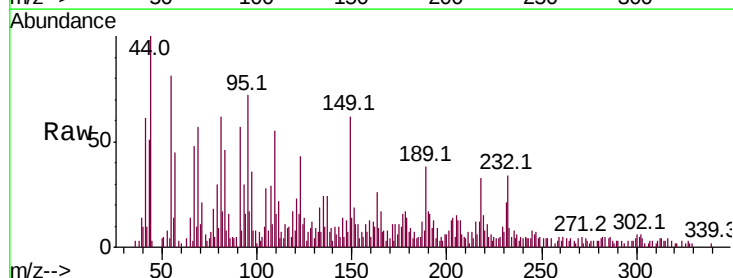
Tgt Ion:149 Resp: 4869

Ion Ratio Lower Upper

149 100

91 92.2 56.8 85.2#

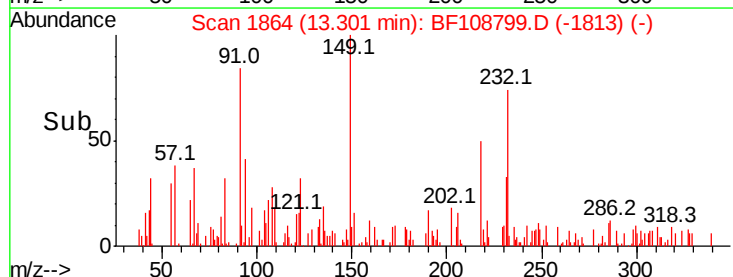
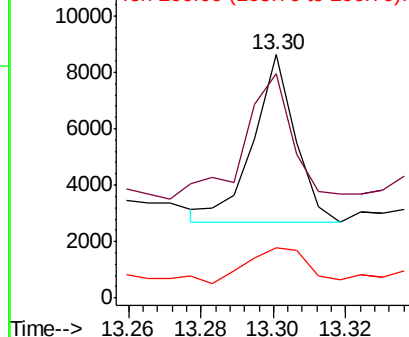
206 20.4 14.1 21.1

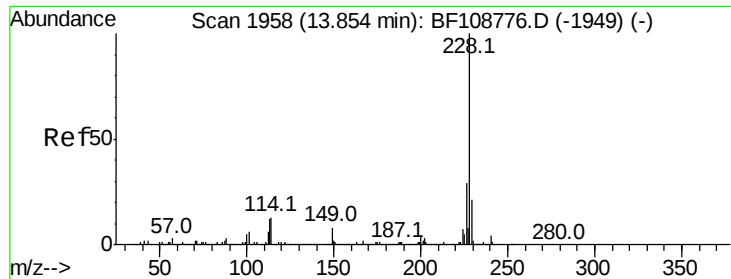


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 6.114 ng

RT: 13.85 min Scan# 1958

Delta R.T. -0.00 min

Lab File: BF108799.D

Acq: 6 Sep 2018 2:38

Instrument :

BNA\_F

ClientSampleId :

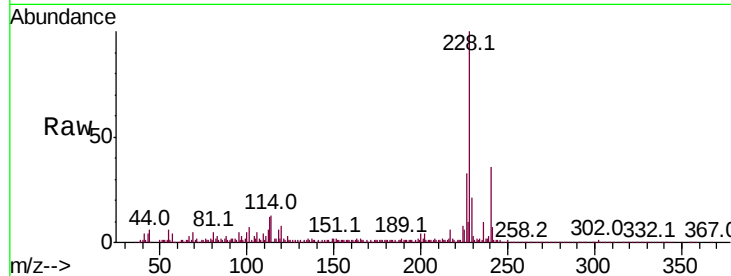
Tot Ion:228 Resp: 236434

Ion Ratio Lower Upper

228 100

226 32.5 22.6 33.8

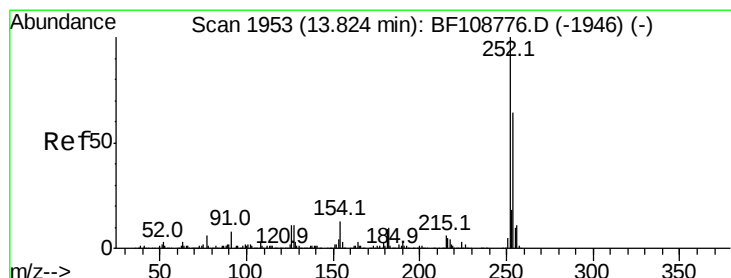
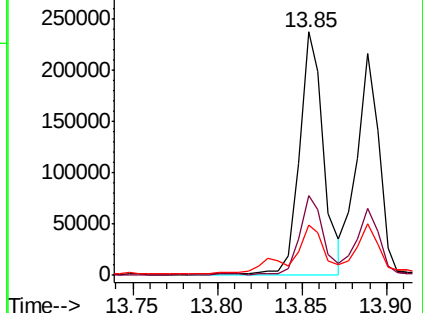
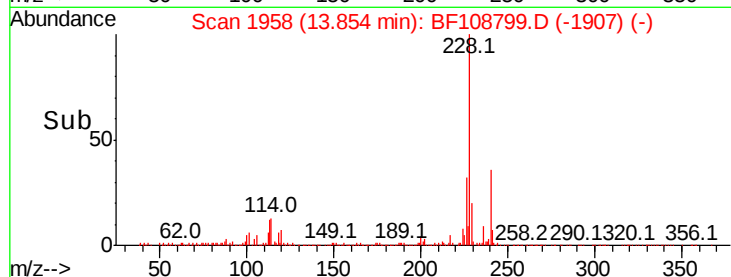
229 20.5 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#81

3,3'-Dichlorobenzidine

Concen: 0.023 ng

RT: 13.81 min Scan# 1951

Delta R.T. -0.01 min

Lab File: BF108799.D

Acq: 6 Sep 2018 2:38

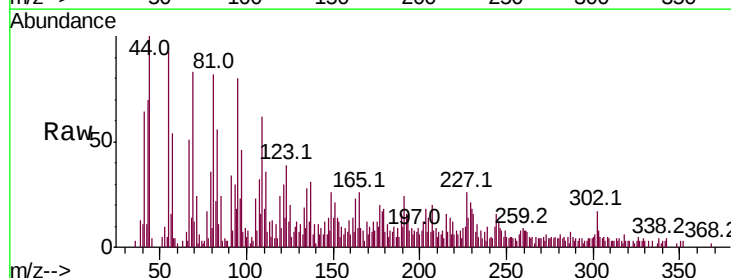
Tgt Ion:252 Resp: 343

Ion Ratio Lower Upper

252 100

254 86.9 50.4 75.6#

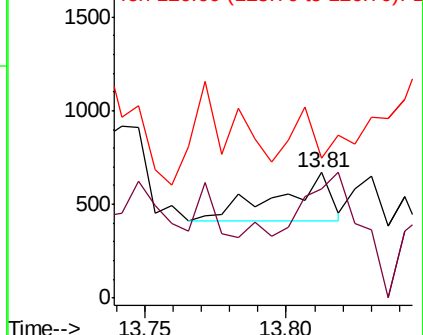
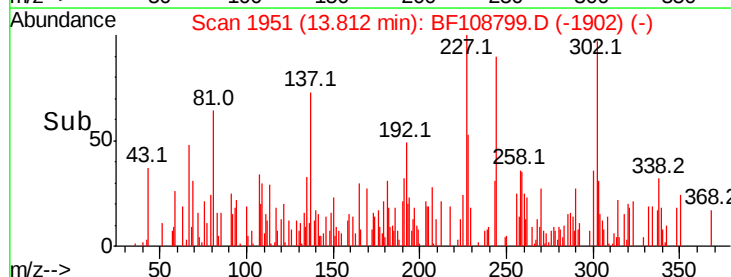
126 111.8 11.3 16.9#

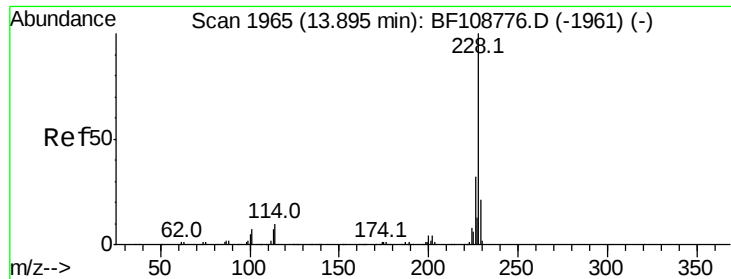


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

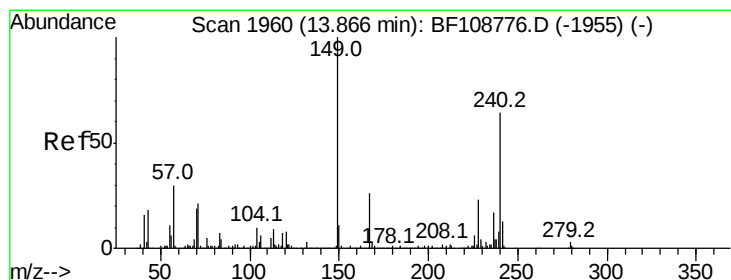
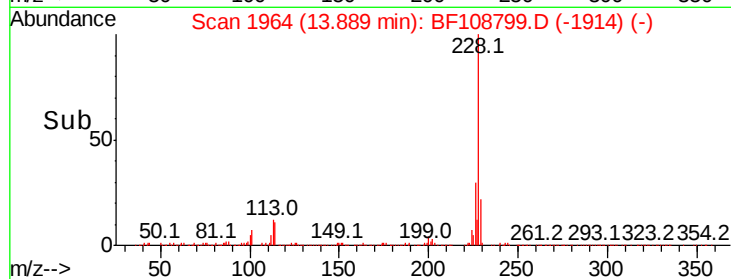
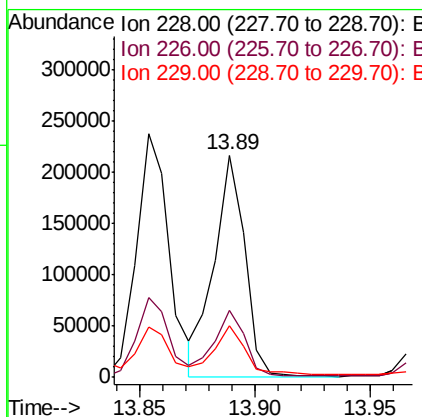
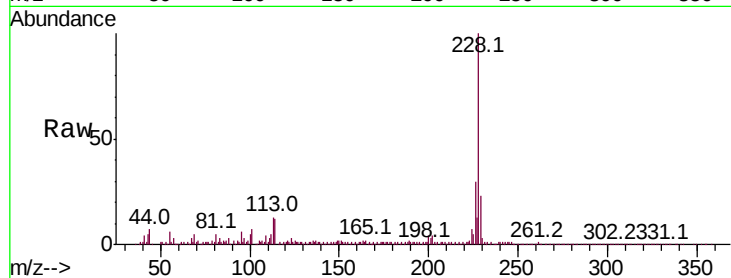




#82  
Chrysene  
Concen: 5.290 ng  
RT: 13.89 min Scan# 1964  
Delta R.T. -0.01 min  
Lab File: BF108799.D  
Acq: 6 Sep 2018 2:38

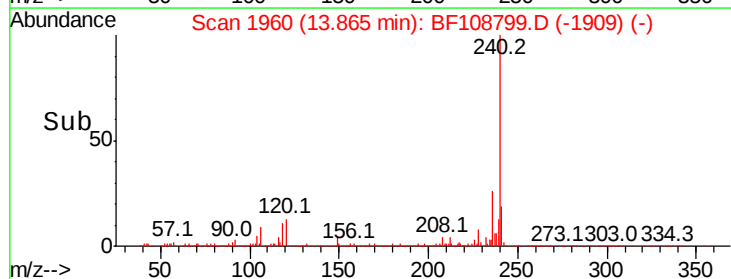
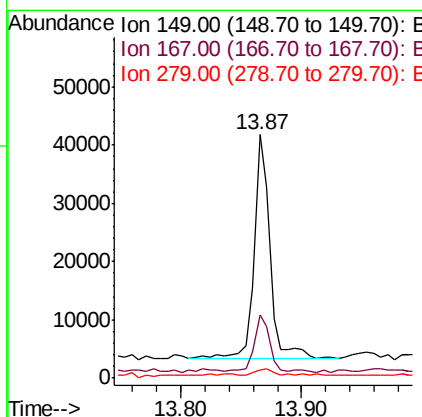
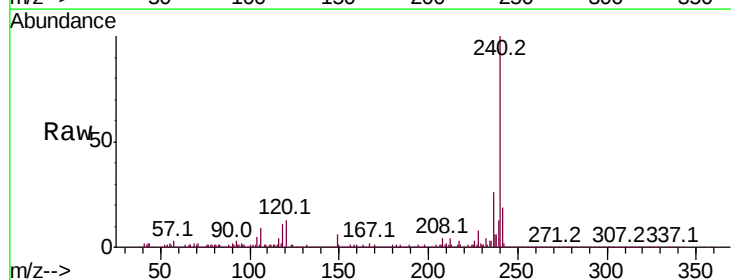
Instrument :  
BNA\_F  
ClientSampleId :

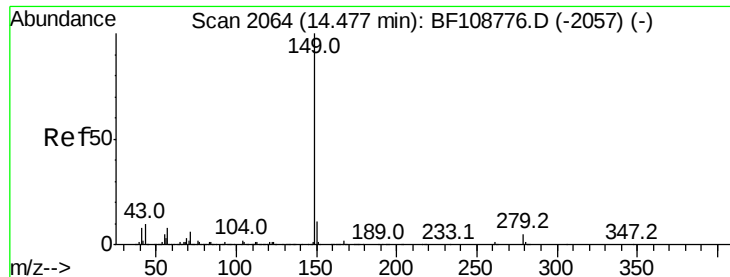
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.1  | 25.0  | 37.6  |
| 229     | 23.2  | 16.2  | 24.4  |



#83  
Bis(2-ethylhexyl)phthalate  
Concen: 1.365 ng  
RT: 13.87 min Scan# 1960  
Delta R.T. -0.00 min  
Lab File: BF108799.D  
Acq: 6 Sep 2018 2:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 25.8  | 21.3  | 31.9  |
| 279     | 3.5   | 3.0   | 4.4   |





#84

Di-n-octyl phthalate

Concen: 0.088 ng

RT: 14.49 min Scan# 2066

Delta R.T. 0.01 min

Lab File: BF108799.D

Acq: 6 Sep 2018 2:38

Instrument :

BNA\_F

ClientSampled :

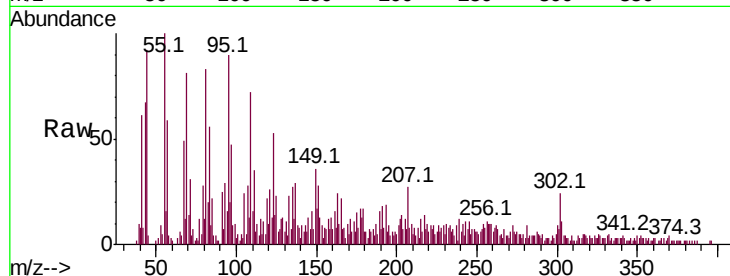
Tot Ion:149 Resp: 3833

Ion Ratio Lower Upper

149 100

167 12.4 1.2 1.8#

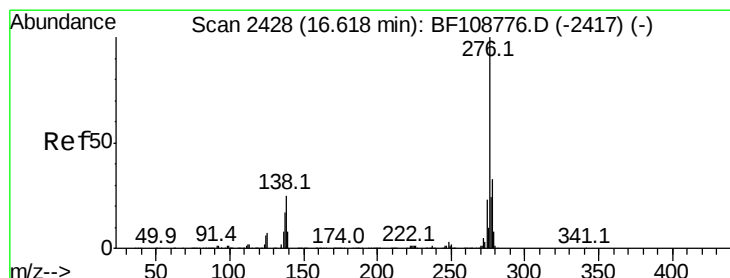
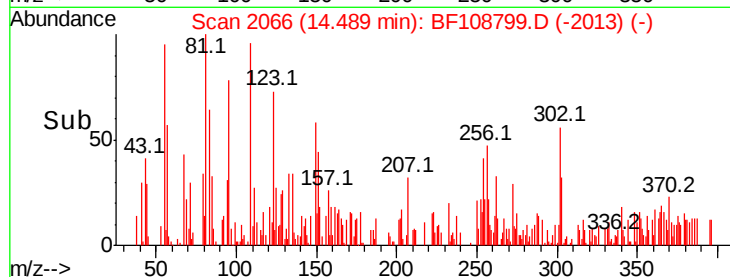
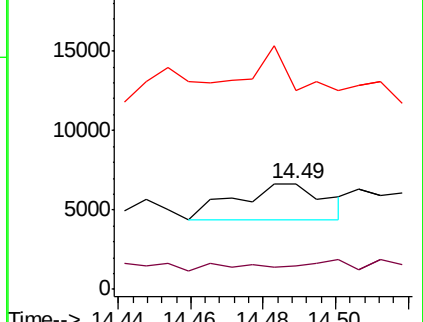
43 114.2 8.4 12.6#



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: 2.790 ng

RT: 16.62 min Scan# 2428

Delta R.T. -0.00 min

Lab File: BF108799.D

Acq: 6 Sep 2018 2:38

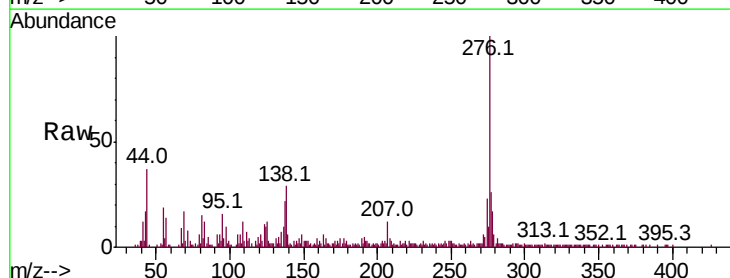
Tgt Ion:276 Resp: 92415

Ion Ratio Lower Upper

276 100

138 25.9 25.0 37.6

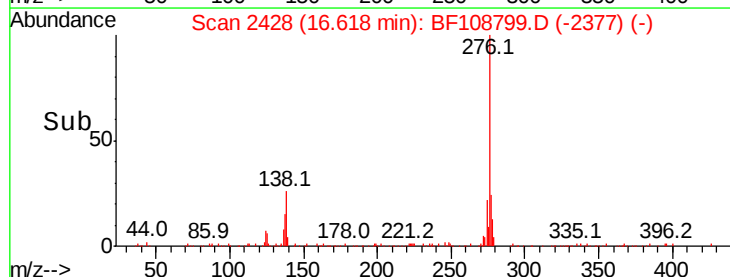
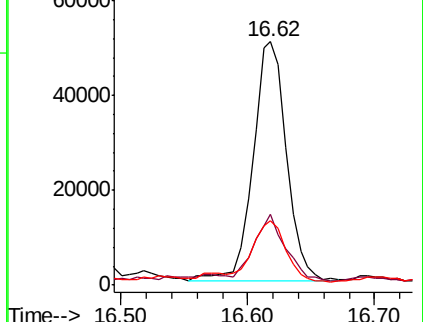
277 25.7 20.1 30.1

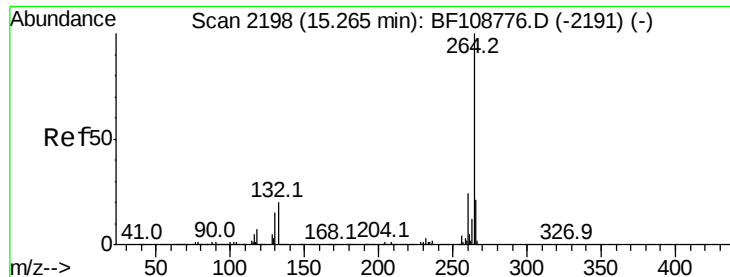


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



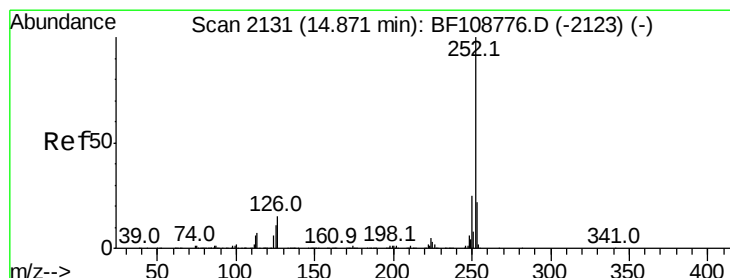
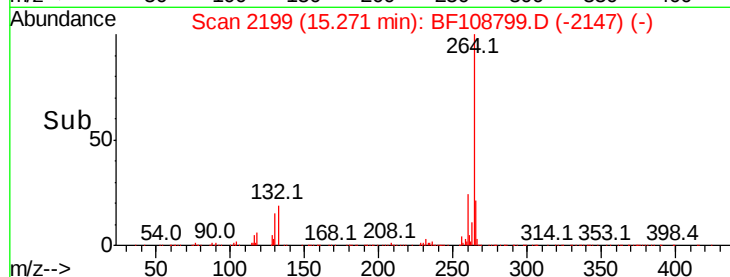
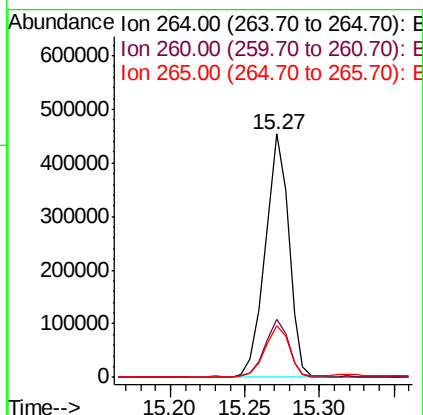
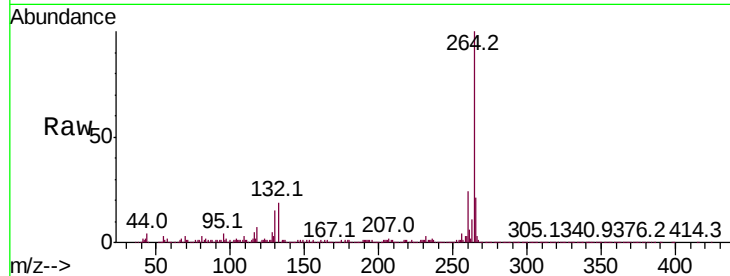


#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.27 min Scan# 2199  
Delta R.T. 0.01 min  
Lab File: BF108799.D  
Acq: 6 Sep 2018 2:38

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:264 Resp: 493674  

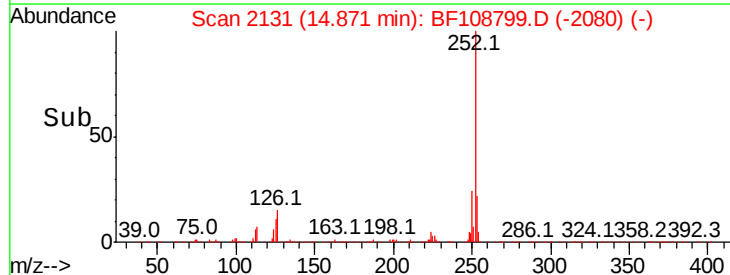
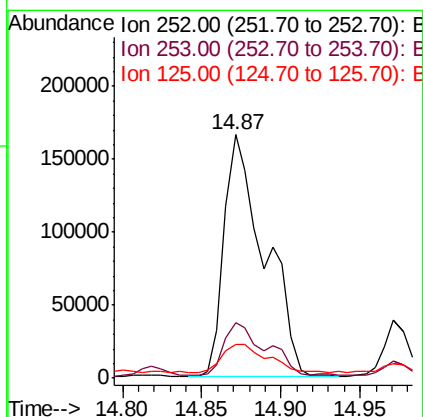
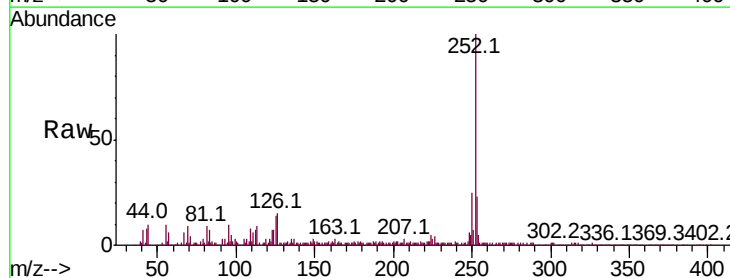
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.7  | 19.2  | 28.8  |
| 265 | 21.3  | 17.5  | 26.3  |

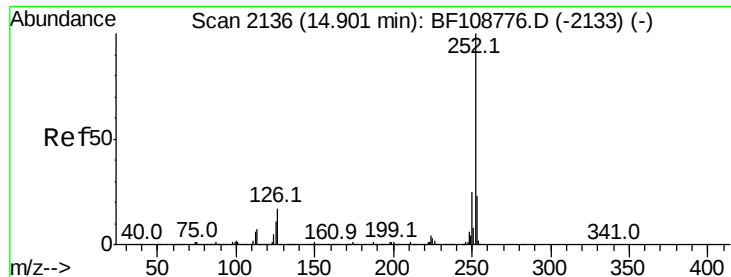


#87  
Benzo(b)fluoranthene  
Concen: 10.975 ng  
RT: 14.87 min Scan# 2131  
Delta R.T. -0.00 min  
Lab File: BF108799.D  
Acq: 6 Sep 2018 2:38

Tgt Ion:252 Resp: 294615  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 23.0  | 17.0  | 25.6  |
| 125 | 13.8  | 9.0   | 13.6# |

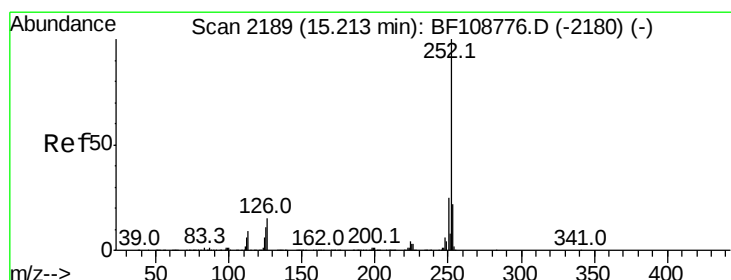
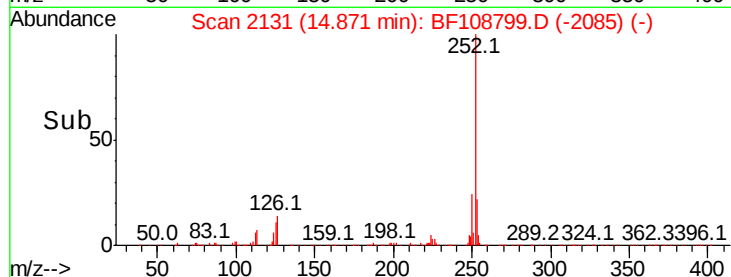
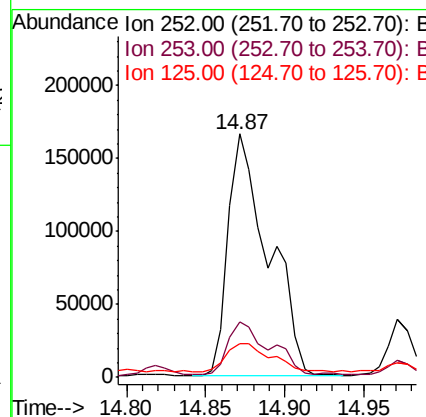
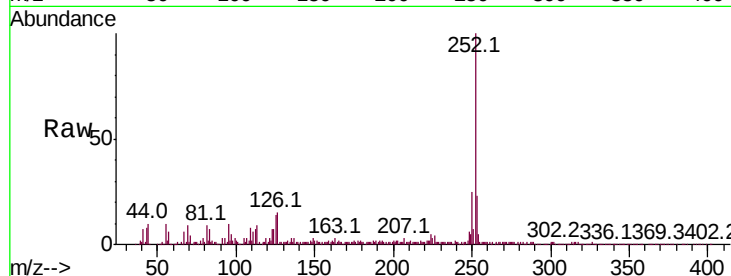




#88  
Benzo(k)fluoranthene  
Concen: 11.918 ng  
RT: 14.87 min Scan# 2131  
Delta R.T. -0.03 min  
Lab File: BF108799.D  
Acq: 6 Sep 2018 2:38

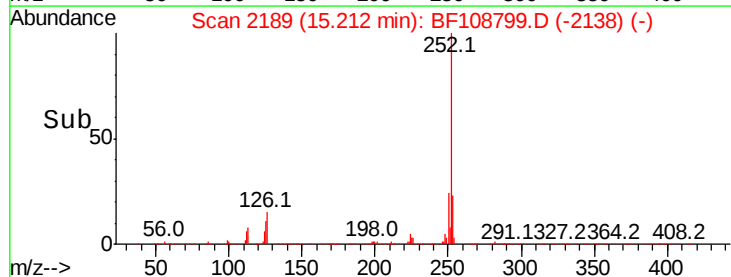
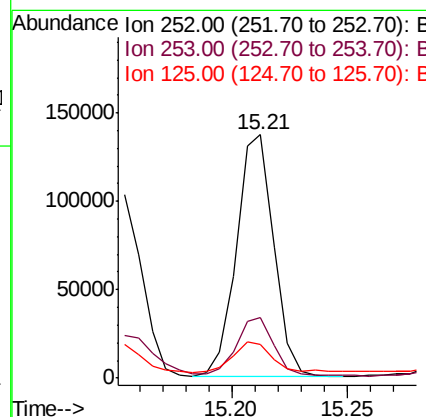
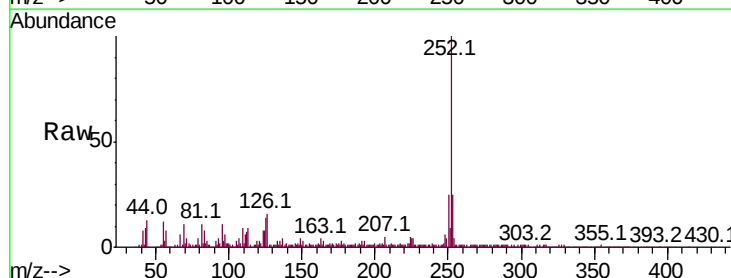
Instrument :  
BNA\_F  
ClientSampleId :

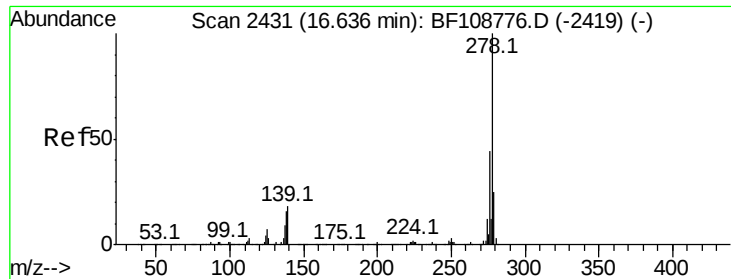
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.0  | 17.9  | 26.9  |
| 125     | 13.8  | 10.2  | 15.2  |



#89  
Benzo(a)pyrene  
Concen: 6.331 ng  
RT: 15.21 min Scan# 2189  
Delta R.T. -0.00 min  
Lab File: BF108799.D  
Acq: 6 Sep 2018 2:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.8  | 17.1  | 25.7  |
| 125     | 13.8  | 9.8   | 14.6  |

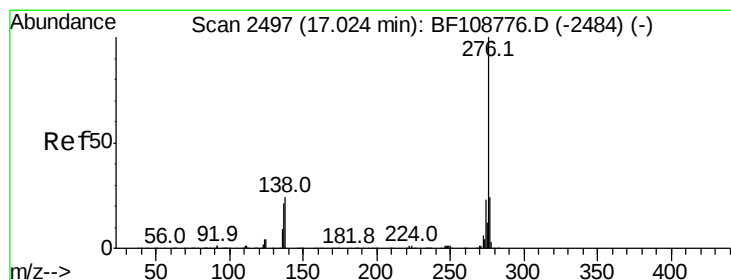
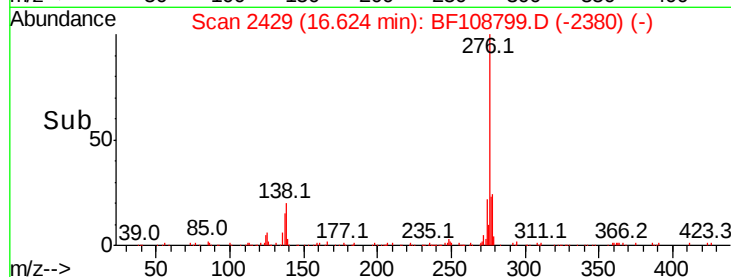
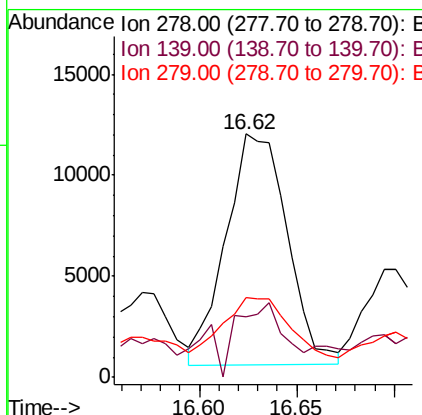
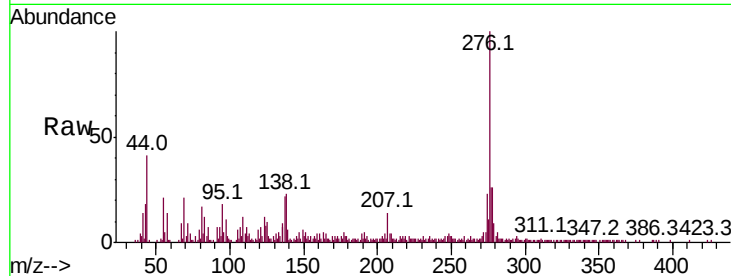




#90  
Dibenzo(a,h)anthracene  
Concen: 1.168 ng  
RT: 16.62 min Scan# 2429  
Delta R.T. -0.01 min  
Lab File: BF108799.D  
Acq: 6 Sep 2018 2:38

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 24.7  | 15.9  | 23.9# |
| 279     | 32.9  | 19.0  | 28.4# |



#91  
Benzo(g,h,i)perylene  
Concen: 4.719 ng  
RT: 17.02 min Scan# 2497  
Delta R.T. -0.00 min  
Lab File: BF108799.D  
Acq: 6 Sep 2018 2:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 22.6  | 17.9  | 26.9  |
| 138     | 23.4  | 21.8  | 32.8  |

