

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090518\  
 Data File : BF108783.D  
 Acq On : 5 Sep 2018 19:23  
 Operator : JU/SJ  
 Sample : J4741-17  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Sep 06 05:24:14 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 | 6.73  | 152  | 280191   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.01  | 136  | 1069946  | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.76  | 164  | 526001   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.24 | 188  | 943759   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 13.86 | 240  | 635116   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.27 | 264  | 661896   | 20.00 | ng    | 0.00     |

|                             |       |     |         |        |    |       |
|-----------------------------|-------|-----|---------|--------|----|-------|
| System Monitoring Compounds |       |     |         |        |    |       |
| 5) 2-Fluorophenol           | 5.34  | 112 | 1746480 | 103.26 | ng | 0.00  |
| 7) Phenol-d6                | 6.37  | 99  | 2223250 | 102.17 | ng | 0.00  |
| 23) Nitrobenzene-d5         | 7.29  | 82  | 1435952 | 83.99  | ng | -0.01 |
| 41) 2,4,6-Tribromophenol    | 10.55 | 330 | 540902  | 107.72 | ng | 0.00  |
| 44) 2-Fluorobiphenyl        | 9.09  | 172 | 2237841 | 72.58  | ng | 0.00  |
| 78) Terphenyl-d14           | 12.82 | 244 | 1925915 | 70.71  | ng | 0.00  |

|                                |      |     |         |        |    |      |
|--------------------------------|------|-----|---------|--------|----|------|
| Target Compounds               |      |     |         | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 2.41 | 88  | 205     | 0.025  | ng | # 20 |
| 3) Pyridine                    | 3.15 | 79  | 116     | 0.005  | ng | # 1  |
| 4) n-Nitrosodimethylamine      | 3.09 | 42  | 432     | 0.051  | ng | # 1  |
| 6) Aniline                     | 6.38 | 93  | 1091    | 0.037  | ng | # 56 |
| 8) 2-Chlorophenol              | 6.51 | 128 | 419     | 0.022  | ng | # 1  |
| 9) Benzaldehyde                | 6.27 | 77  | 1503    | 0.097  | ng | 87   |
| 10) Phenol                     | 6.38 | 94  | 8082    | 0.324  | ng | 96   |
| 11) bis(2-Chloroethyl)ether    | 6.44 | 93  | 475     | 0.024  | ng | # 19 |
| 15) Benzyl Alcohol             | 6.89 | 79  | 23632   | 1.415  | ng | # 43 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.00 | 45  | 119     | 0.004  | ng | 70   |
| 17) 2-Methylphenol             | 6.98 | 107 | 778     | 0.049  | ng | # 91 |
| 18) Hexachloroethane           | 7.35 | 117 | 112     | 0.015  | ng | # 2  |
| 19) n-Nitroso-di-n-propylamine | 7.29 | 70  | 195118  | 12.899 | ng | # 79 |
| 20) 3+4-Methylphenols          | 7.13 | 107 | 3063    | 0.165  | ng | 87   |
| 22) Acetophenone               | 7.13 | 105 | 1642    | 0.068  | ng | # 58 |
| 24) Nitrobenzene               | 7.29 | 77  | 5579    | 0.304  | ng | # 35 |
| 25) Isophorone                 | 7.29 | 82  | 1433026 | 42.021 | ng | # 64 |
| 27) 2,4-Dimethylphenol         | 7.67 | 122 | 409     | 0.028  | ng | # 59 |
| 28) bis(2-Chloroethoxy)methane | 7.75 | 93  | 110     | 0.005  | ng | # 1  |
| 31) Naphthalene                | 8.03 | 128 | 4109    | 0.085  | ng | # 90 |
| 32) Benzoic acid               | 7.72 | 122 | 5323    | 4.596  | ng | 94   |
| 33) 4-Chloroaniline            | 8.03 | 127 | 505     | 0.023  | ng | # 61 |
| 35) Caprolactam                | 8.42 | 113 | 724     | 0.141  | ng | # 74 |
| 36) 4-Chloro-3-methylphenol    | 8.57 | 107 | 468     | 0.029  | ng | # 20 |
| 37) 2-Methylnaphthalene        | 8.72 | 142 | 1832    | 0.058  | ng | # 84 |
| 45) 1,1'-Biphenyl              | 9.18 | 154 | 5521    | 0.136  | ng | 94   |
| 46) 2-Chloronaphthalene        | 9.22 | 162 | 661     | 0.020  | ng | # 7  |
| 47) 2-Nitroaniline             | 9.30 | 65  | 542     | 0.061  | ng | # 2  |
| 48) Acenaphthylene             | 9.62 | 152 | 8922    | 0.183  | ng | # 94 |
| 49) Dimethylphthalate          | 9.48 | 163 | 848347  | 23.059 | ng | 100  |
| 50) 2,6-Dinitrotoluene         | 9.48 | 165 | 9473    | 1.351  | ng | # 6  |
| 51) Acenaphthene               | 9.79 | 154 | 2158    | 0.071  | ng | 88   |
| 52) 3-Nitroaniline             | 9.72 | 138 | 139     | 0.017  | ng | # 1  |
| 54) Dibenzofuran               | 9.96 | 168 | 2228    | 0.051  | ng | 97   |

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 Sample : J4741-17  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

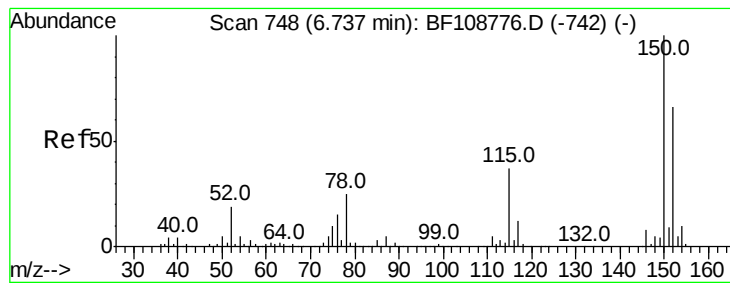
Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Sep 06 05:24:14 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) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 55) 4-Nitrophenol              | 9.85  | 139  | 401      | 0.064 | nq    | # 1      |
| 56) 2,4-Dinitrotoluene         | 9.80  | 165  | 3026     | 0.338 | nq    | # 26     |
| 57) Fluorene                   | 10.30 | 166  | 4855     | 0.172 | nq    | # 92     |
| 59) Diethylphthalate           | 10.17 | 149  | 73679    | 1.941 | nq    | # 95     |
| 60) 4-Chlorophenyl-phenylether | 10.50 | 204  | 1980     | 0.131 | nq    | # 24     |
| 61) 4-Nitroaniline             | 10.31 | 138  | 114      | 0.015 | nq    | # 51     |
| 62) Azobenzene                 | 10.47 | 77   | 705      | 0.018 | nq    | # 9      |
| 64) 4,6-Dinitro-2-methylphenol | 10.54 | 198  | 1259     | 7.159 | nq    | # 1      |
| 65) n-Nitrosodiphenylamine     | 10.41 | 169  | 1140     | 0.036 | nq    | # 44     |
| 66) 4-Bromophenyl-phenylether  | 10.54 | 248  | 33133    | 3.108 | nq    | # 1      |
| 68) Atrazine                   | 11.10 | 200  | 258      | 0.026 | nq    | # 37     |
| 70) Phenanthrene               | 11.26 | 178  | 47811    | 1.061 | nq    | # 98     |
| 71) Anthracene                 | 11.31 | 178  | 12974    | 0.301 | nq    | # 98     |
| 72) Carbazole                  | 11.46 | 167  | 6198     | 0.136 | nq    | # 89     |
| 73) Di-n-butylphthalate        | 11.81 | 149  | 35960    | 0.713 | nq    | # 94     |
| 74) Fluoranthene               | 12.46 | 202  | 104049   | 2.332 | nq    | # 98     |
| 76) Benzidine                  | 12.55 | 184  | 11828    | 0.393 | nq    | # 1      |
| 77) Pyrene                     | 12.67 | 202  | 99400    | 2.034 | nq    | # 99     |
| 79) Butylbenzylphthalate       | 13.24 | 149  | 1312     | 0.060 | nq    | # 93     |
| 80) Benzo(a)anthracene         | 13.85 | 228  | 54044    | 1.328 | nq    | # 95     |
| 81) 3,3'-Dichlorobenzidine     | 13.84 | 252  | 369      | 0.023 | nq    | # 1      |
| 82) Chrysene                   | 13.88 | 228  | 52821    | 1.340 | nq    | # 97     |
| 83) Bis(2-ethylhexyl)phthalate | 13.87 | 149  | 146521   | 5.298 | nq    | # 99     |
| 84) Di-n-octyl phthalate       | 14.48 | 149  | 3642     | 0.079 | nq    | # 68     |
| 85) Indeno(1,2,3-cd)pyrene     | 16.60 | 276  | 40777    | 1.169 | nq    | # 95     |
| 87) Benzo(b)fluoranthene       | 14.86 | 252  | 109125   | 3.032 | nq    | # 90     |
| 88) Benzo(k)fluoranthene       | 14.86 | 252  | 109125   | 3.292 | nq    | # 93     |
| 89) Benzo(a)pyrene             | 15.20 | 252  | 60047    | 1.849 | nq    | # 89     |
| 90) Dibenzo(a,h)anthracene     | 16.62 | 278  | 12638    | 0.442 | nq    | # 75     |
| 91) Benzo(g,h,i)perylene       | 17.00 | 276  | 45370    | 1.584 | nq    | # 92     |

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



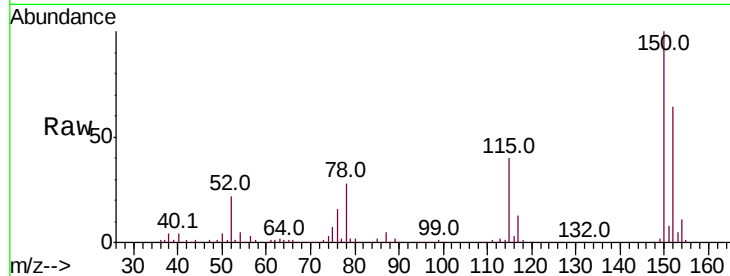


#1

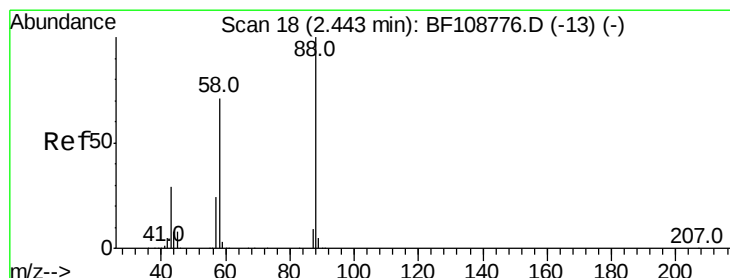
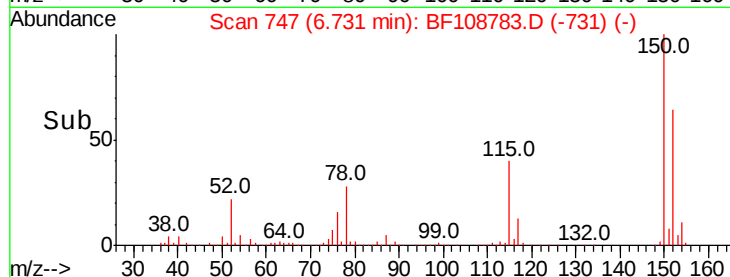
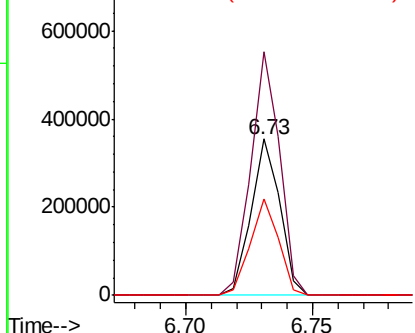
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.73 min Scan# 747  
Delta R.T. -0.01 min  
Lab File: BF108783.D  
Acq: 5 Sep 2018 19:23

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 280191  
Ion Ratio Lower Upper  
152 100  
150 156.1 124.6 186.8  
115 62.0 50.1 75.1



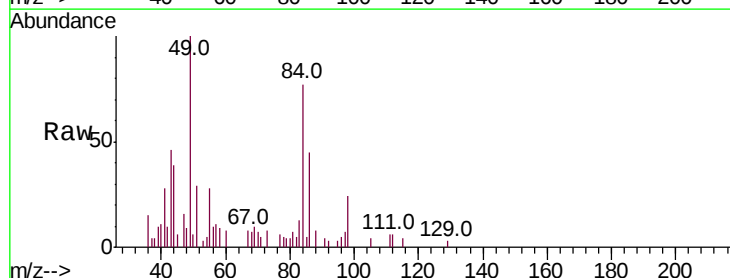
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



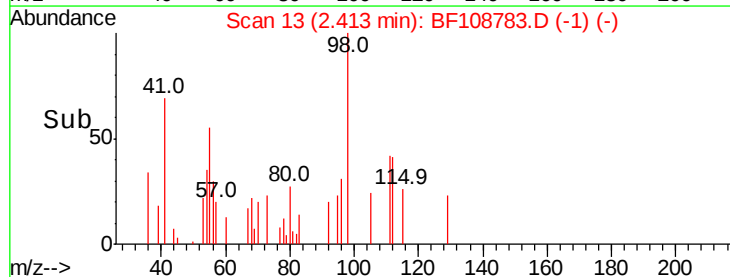
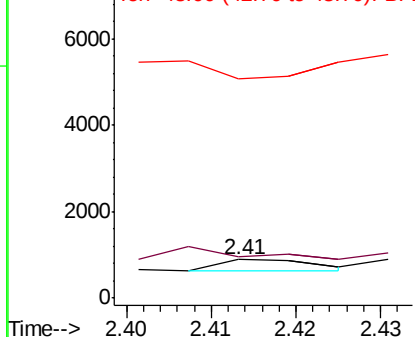
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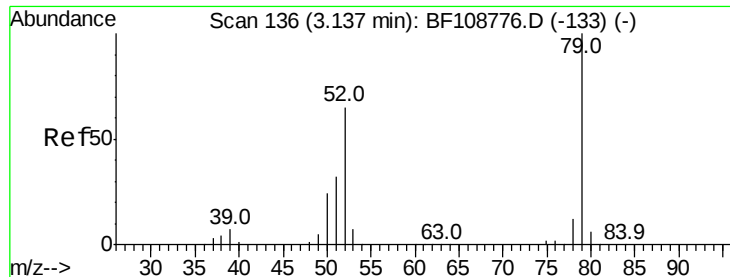
1,4-Dioxane  
Concen: 0.025 ng  
RT: 2.41 min Scan# 13  
Delta R.T. -0.03 min  
Lab File: BF108783.D  
Acq: 5 Sep 2018 19:23

Tgt Ion: 88 Resp: 205  
Ion Ratio Lower Upper  
88 100  
58 0.0 62.6 93.8#  
43 0.0 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: 0.005 ng

RT: 3.15 min Scan# 139

Delta R.T. 0.02 min

Lab File: BF108783.D

Acq: 5 Sep 2018 19:23

Instrument :

BNA\_F

ClientSampled :

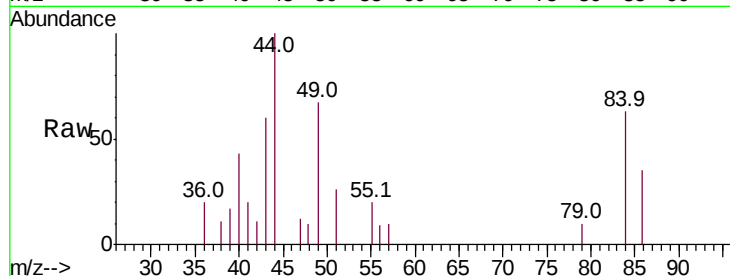
Tot Ion: 79 Resp: 116

Ion Ratio Lower Upper

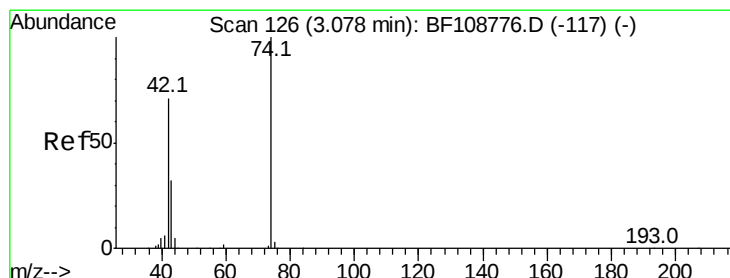
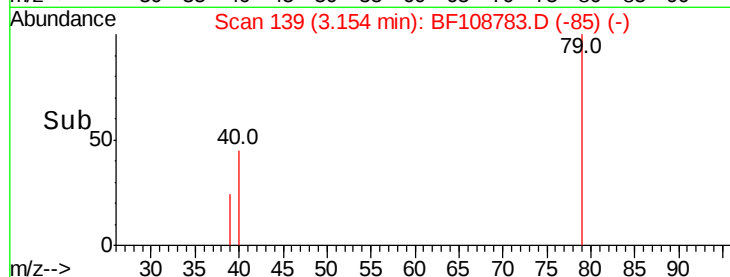
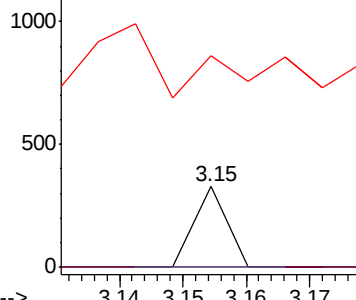
79 100

52 0.0 59.8 89.6#

51 262.8 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: 0.051 ng

RT: 3.09 min Scan# 128

Delta R.T. 0.01 min

Lab File: BF108783.D

Acq: 5 Sep 2018 19:23

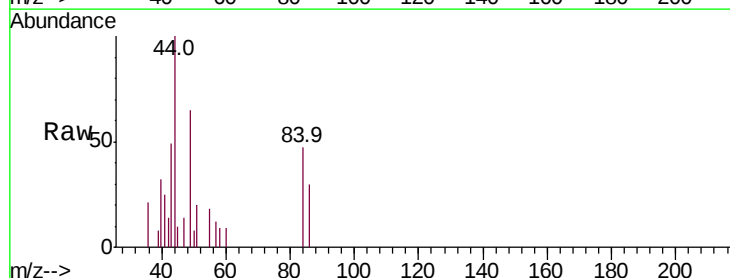
Tgt Ion: 42 Resp: 432

Ion Ratio Lower Upper

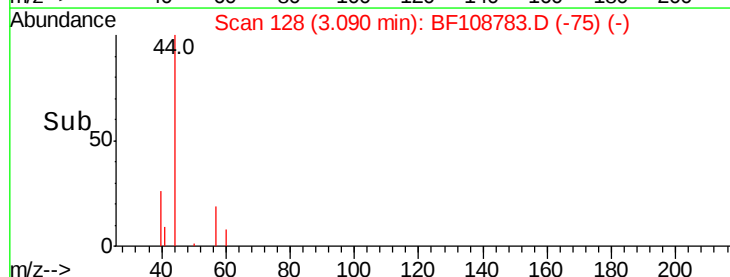
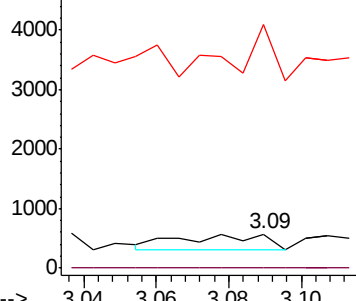
42 100

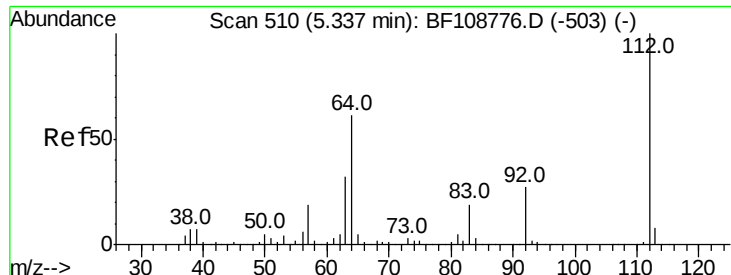
74 0.0 104.9 157.3#

44 715.7 6.9 10.3#



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





#5

2-Fluorophenol

Concen: 103.263 ng

RT: 5.34 min Scan# 511

Delta R.T. 0.01 min

Lab File: BF108783.D

Acq: 5 Sep 2018 19:23

Instrument :  
BNA\_F  
ClientSampleId :

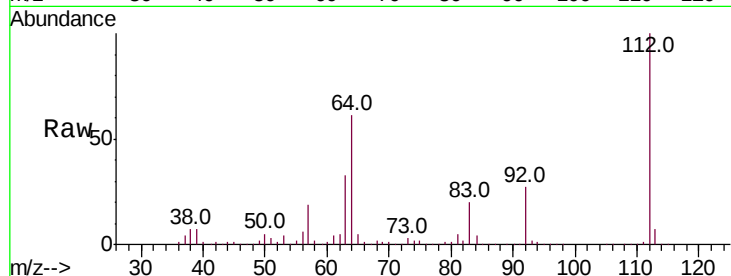
Tot Ion:112 Resp: 1746480

Ion Ratio Lower Upper

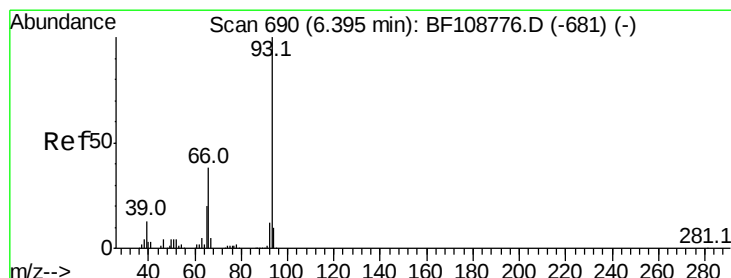
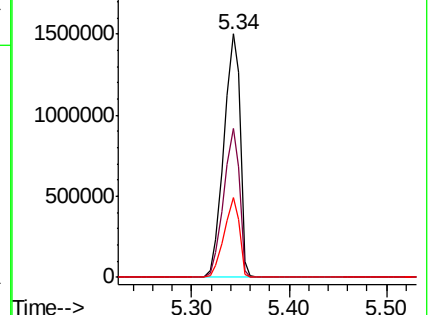
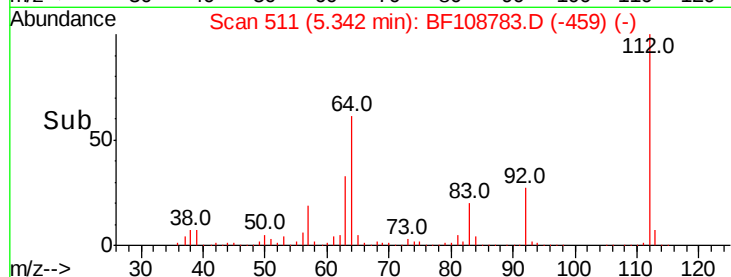
112 100

64 61.3 47.9 71.9

63 32.6 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: 0.037 ng

RT: 6.38 min Scan# 688

Delta R.T. -0.01 min

Lab File: BF108783.D

Acq: 5 Sep 2018 19:23

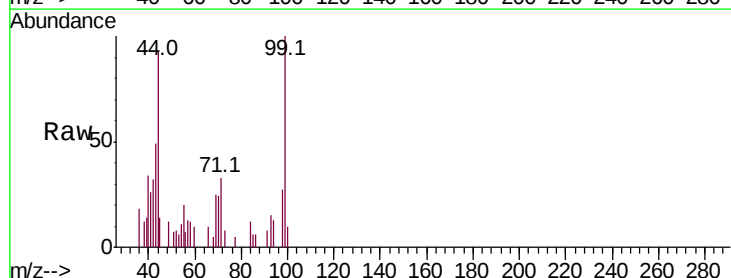
Tgt Ion: 93 Resp: 1091

Ion Ratio Lower Upper

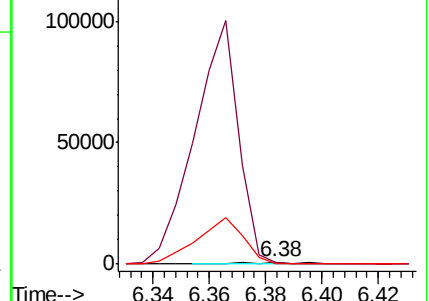
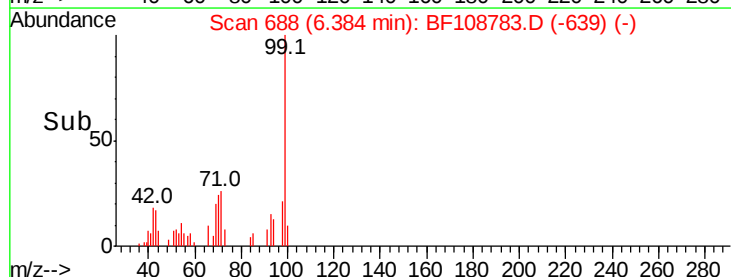
93 100

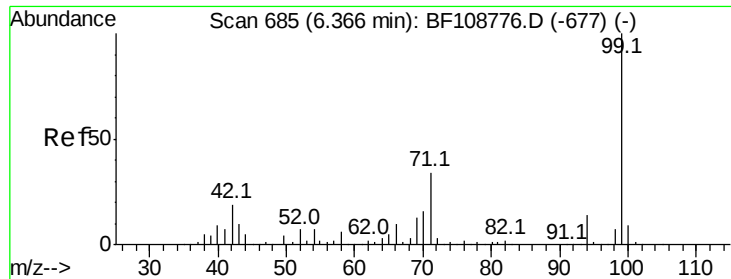
66 67.1 32.2 48.2#

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: 102.166 ng

RT: 6.37 min Scan# 685

Delta R.T. -0.00 min

Lab File: BF108783.D

Acq: 5 Sep 2018 19:23

Instrument :

BNA\_F

ClientSampleId :

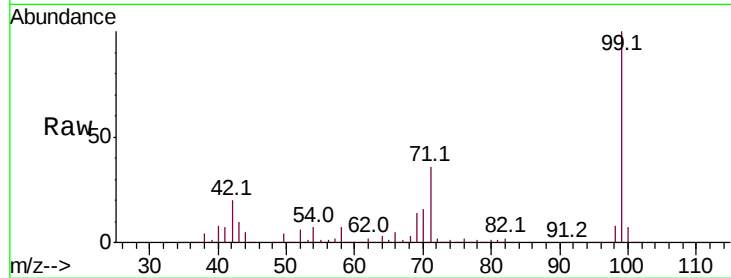
Tot Ion: 99 Resp: 2223250

Ion Ratio Lower Upper

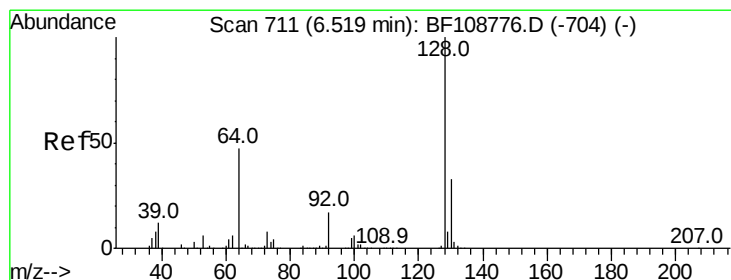
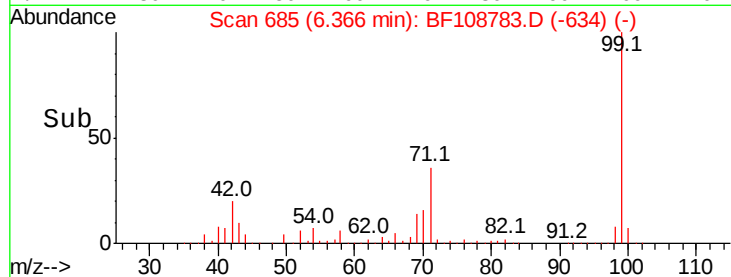
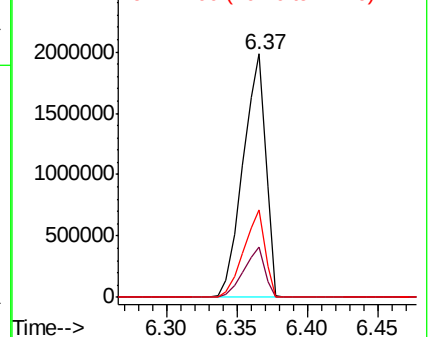
99 100

42 20.4 14.5 21.7

71 35.8 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: 0.022 ng

RT: 6.51 min Scan# 710

Delta R.T. -0.01 min

Lab File: BF108783.D

Acq: 5 Sep 2018 19:23

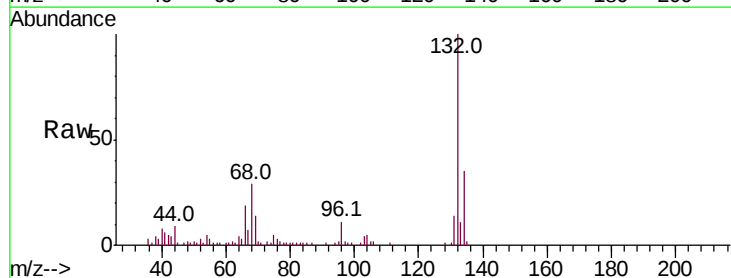
Tgt Ion:128 Resp: 419

Ion Ratio Lower Upper

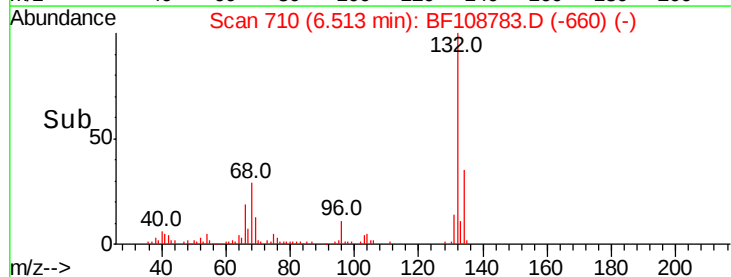
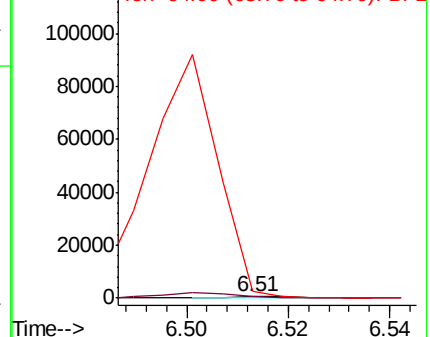
128 100

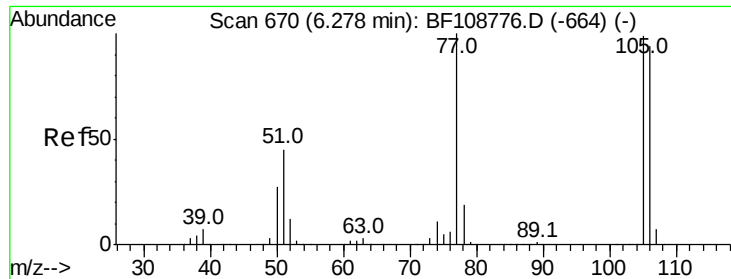
130 139.5 13.0 53.0#

64 420.0 29.4 69.4#



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

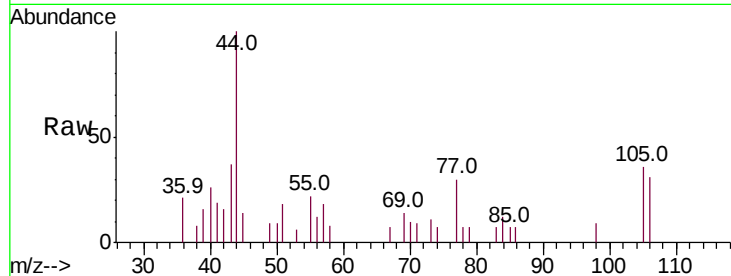




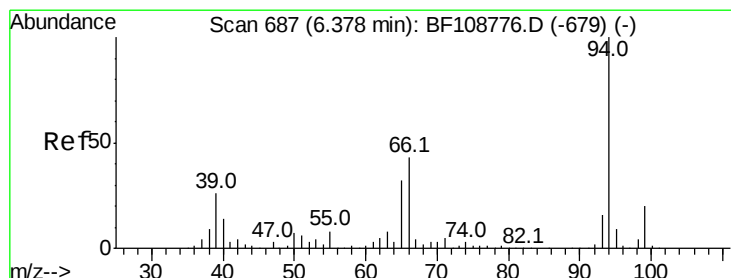
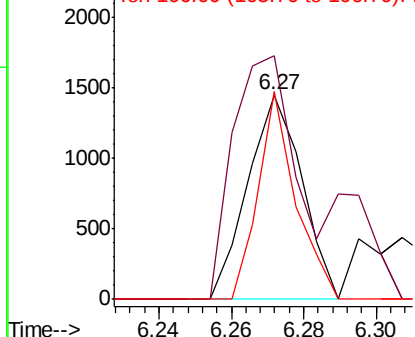
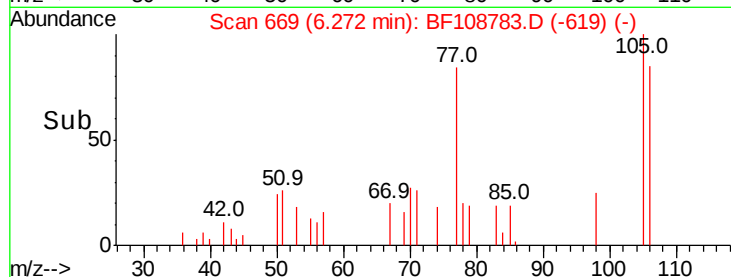
#9  
Benzaldehyde  
Concen: 0.097 ng  
RT: 6.27 min Scan# 669  
Delta R.T. -0.01 min  
Lab File: BF108783.D  
Acq: 5 Sep 2018 19:23

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion: 77 Resp: 1503  
Ion Ratio Lower Upper  
77 100  
105 119.3 81.1 121.1  
106 101.9 74.5 114.5

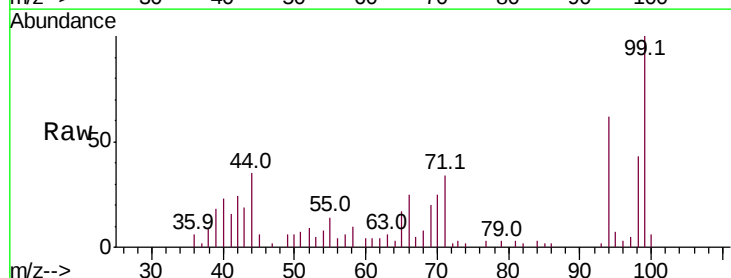


Abundance Ion 77.00 (76.70 to 77.70): BF1  
Ion 105.00 (104.70 to 105.70): BF1  
Ion 106.00 (105.70 to 106.70): BF1

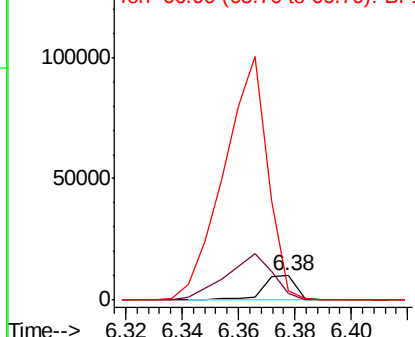
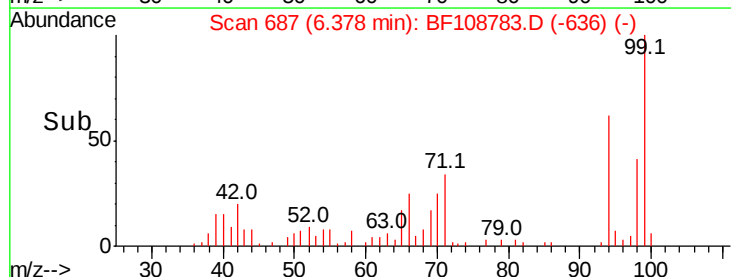


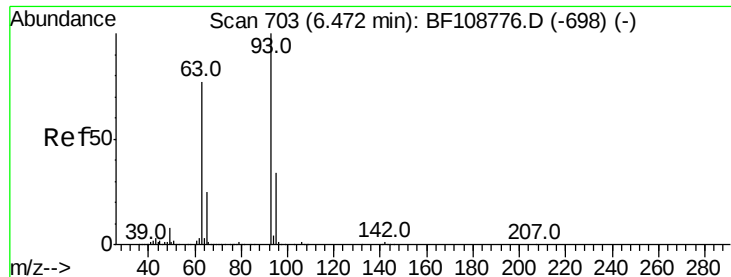
#10  
Phenol  
Concen: 0.324 ng  
RT: 6.38 min Scan# 687  
Delta R.T. -0.00 min  
Lab File: BF108783.D  
Acq: 5 Sep 2018 19:23

Tgt Ion: 94 Resp: 8082  
Ion Ratio Lower Upper  
94 100  
65 27.5 7.9 47.9  
66 40.2 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: 0.024 ng

RT: 6.44 min Scan# 698

Delta R.T. -0.03 min

Lab File: BF108783.D

Acq: 5 Sep 2018 19:23

Instrument :

BNA\_F

ClientSampleId :

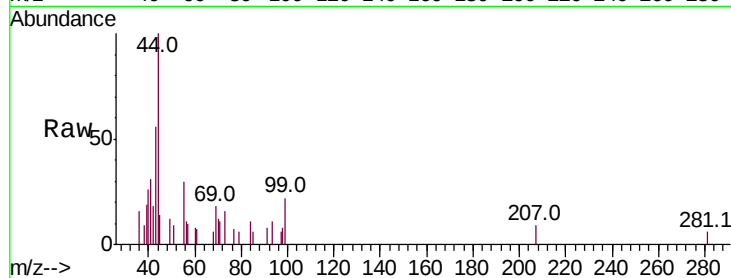
Tot Ion: 93 Resp: 475

Ion Ratio Lower Upper

93 100

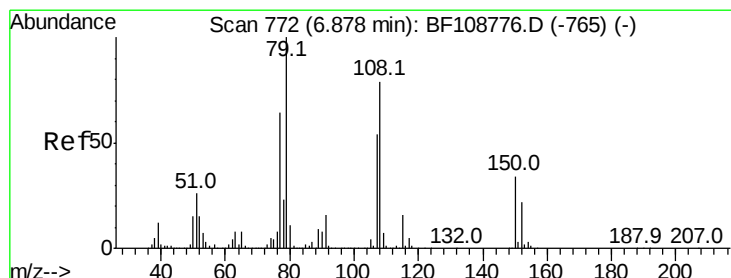
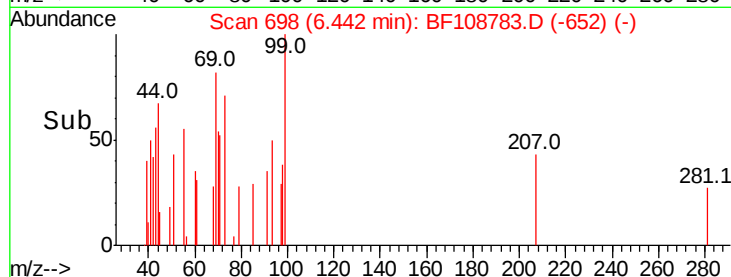
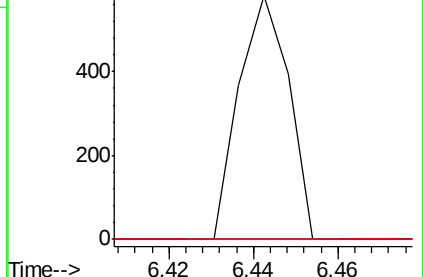
63 0.0 58.6 98.6#

95 0.0 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

6.44



#15

Benzyl Alcohol

Concen: 1.415 ng

RT: 6.89 min Scan# 774

Delta R.T. 0.01 min

Lab File: BF108783.D

Acq: 5 Sep 2018 19:23

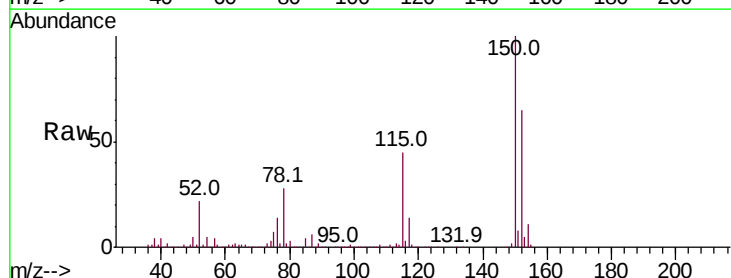
Tgt Ion: 79 Resp: 23632

Ion Ratio Lower Upper

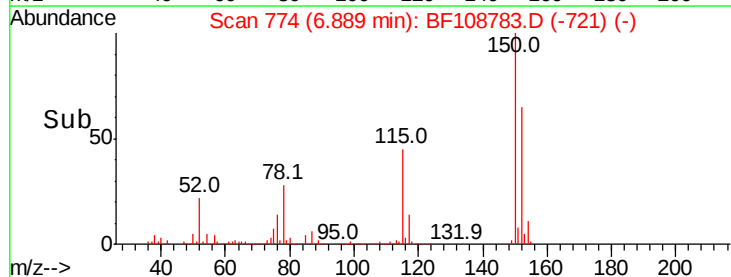
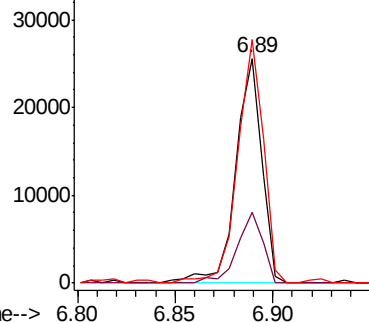
79 100

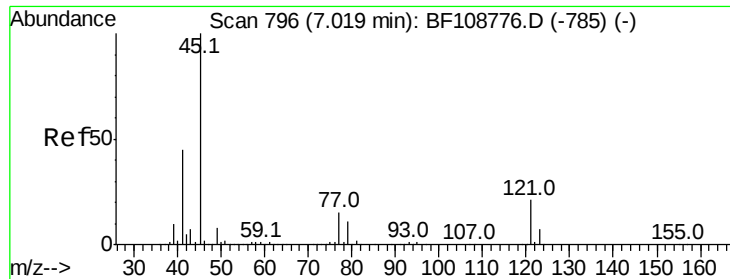
108 31.3 65.1 97.7#

77 108.3 50.6 75.8#



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

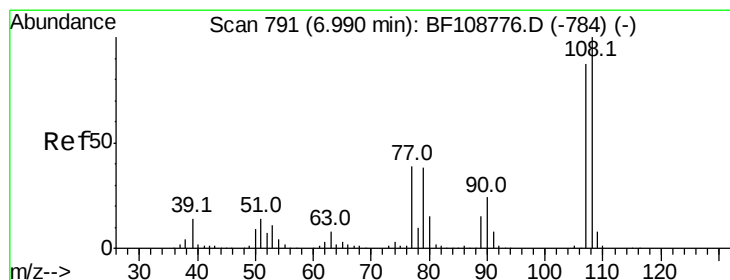
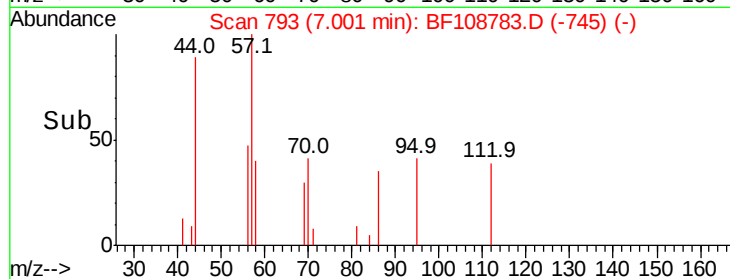
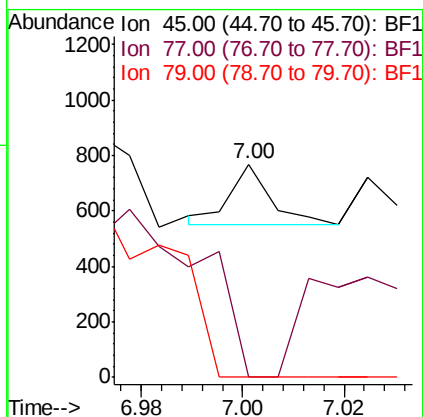
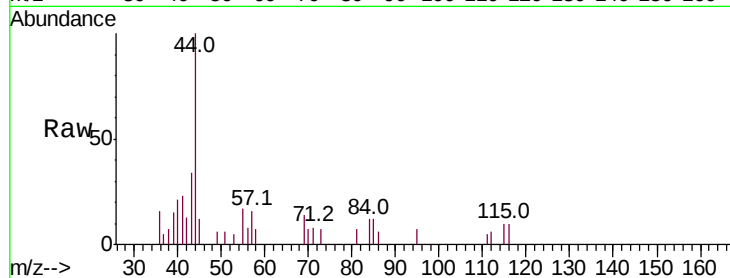




#16  
2,2'-oxvbis(1-Chloropropane)  
Concen: 0.004 ng  
RT: 7.00 min Scan# 793  
Delta R.T. -0.02 min  
Lab File: BF108783.D  
Acq: 5 Sep 2018 19:23

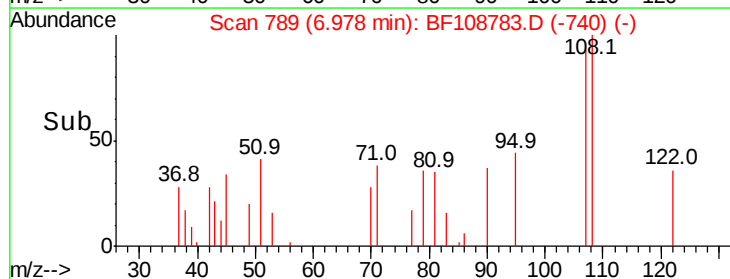
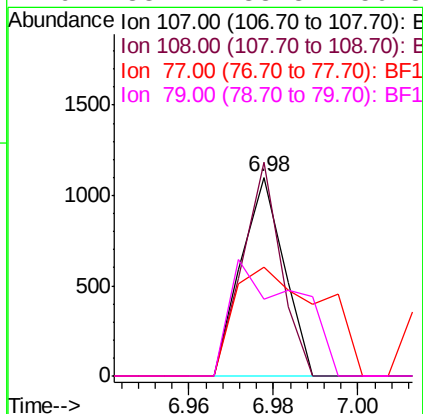
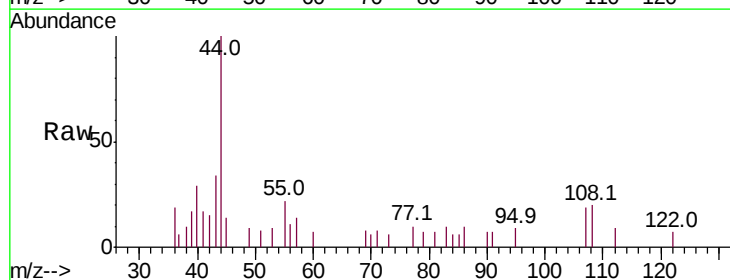
Instrument :  
BNA\_F  
ClientSampled :

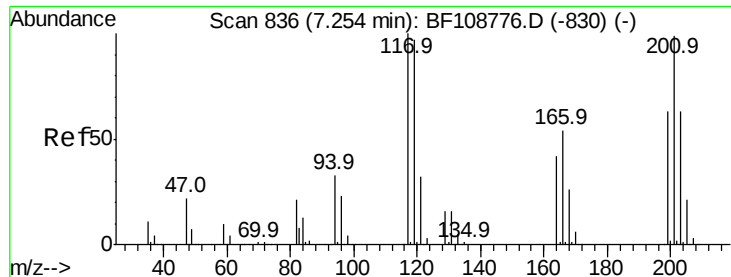
Tot Ion: 45 Resp: 119  
Ion Ratio Lower Upper  
45 100  
77 0.0 0.0 32.9  
79 0.0 0.0 29.6



#17  
2-Methylphenol  
Concen: 0.049 ng  
RT: 6.98 min Scan# 789  
Delta R.T. -0.01 min  
Lab File: BF108783.D  
Acq: 5 Sep 2018 19:23

Tgt Ion:107 Resp: 778  
Ion Ratio Lower Upper  
107 100  
108 107.5 91.7 137.5  
77 55.0 33.8 50.8#  
79 38.7 33.8 50.8

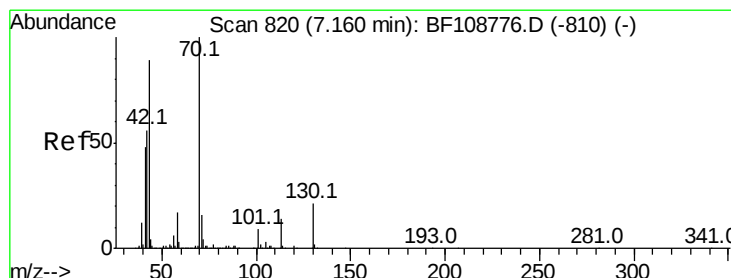
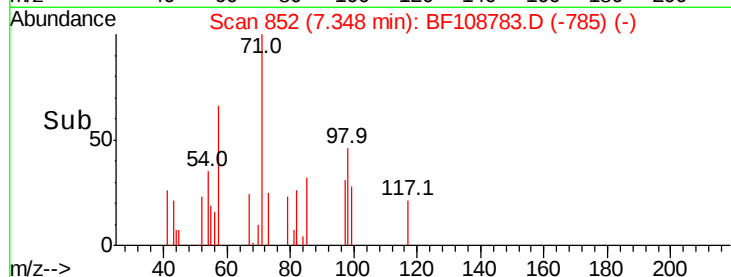
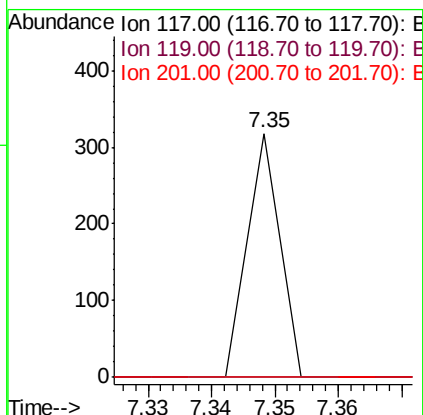
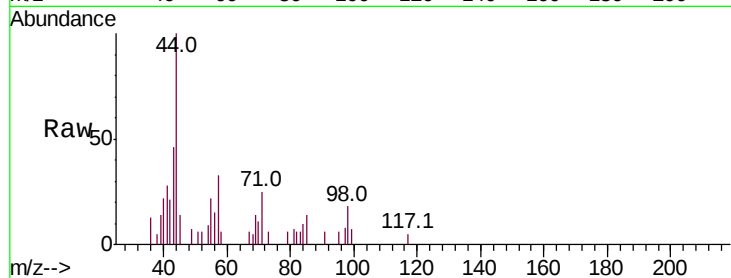




#18  
Hexachloroethane  
Concen: 0.015 ng  
RT: 7.35 min Scan# 852  
Delta R.T. 0.09 min  
Lab File: BF108783.D  
Acq: 5 Sep 2018 19:23

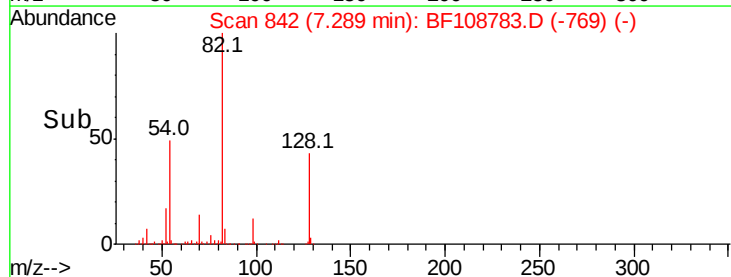
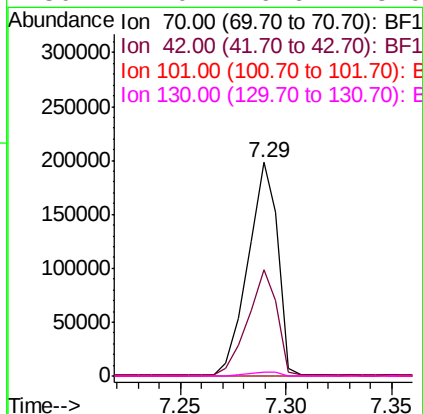
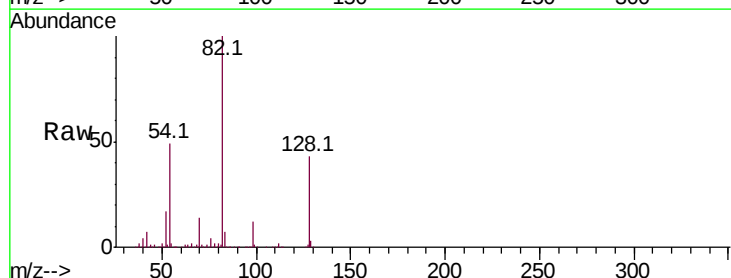
Instrument :  
BNA\_F  
ClientSampleId :

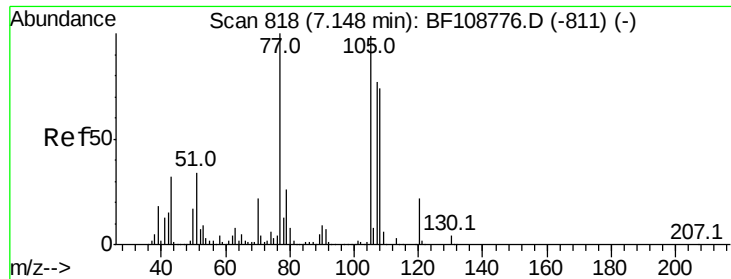
Tot Ion:117 Resp: 112  
Ion Ratio Lower Upper  
117 100  
119 0.0 75.8 113.8#  
201 0.0 75.7 113.5#



#19  
n-Nitroso-di-n-propylamine  
Concen: 12.899 ng  
RT: 7.29 min Scan# 842  
Delta R.T. 0.13 min  
Lab File: BF108783.D  
Acq: 5 Sep 2018 19:23

Tgt Ion: 70 Resp: 195118  
Ion Ratio Lower Upper  
70 100  
42 49.6 47.5 71.3  
101 0.0 7.4 11.2#  
130 2.0 16.6 25.0#





#20

3+4-Methylphenols

Concen: 0.165 ng

RT: 7.13 min Scan# 815

Delta R.T. -0.02 min

Lab File: BF108783.D

Acq: 5 Sep 2018 19:23

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:107 Resp: 3063

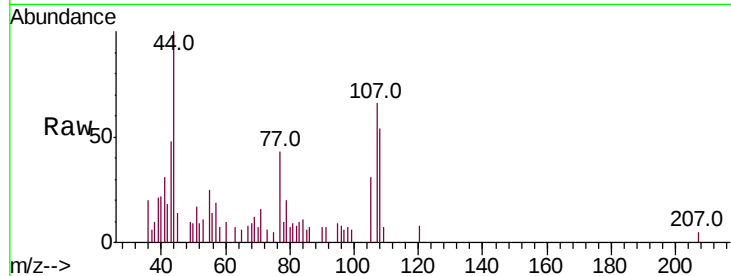
Ion Ratio Lower Upper

107 100

108 81.9 68.2 108.2

77 65.5 26.7 66.7

79 29.9 6.3 46.3

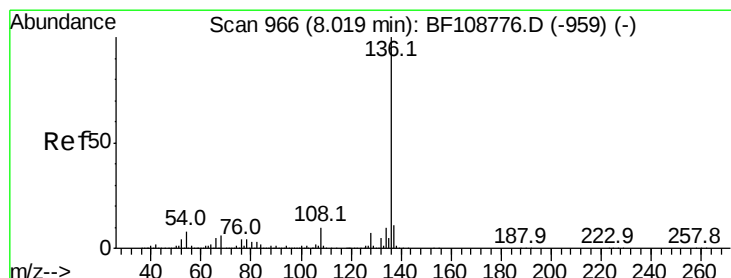
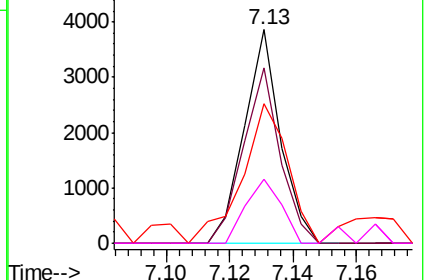
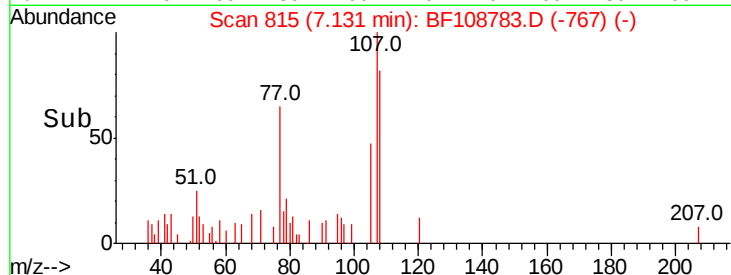


Abundance Ion 107.00 (106.70 to 107.70): E

6000 Ion 108.00 (107.70 to 108.70): E

5000 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: BF108783.D

Acq: 5 Sep 2018 19:23

Tgt Ion:136 Resp: 1069946

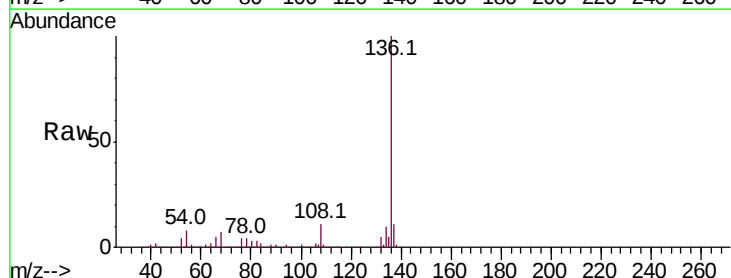
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 7.9 6.6 9.8

68 6.6 5.0 7.4

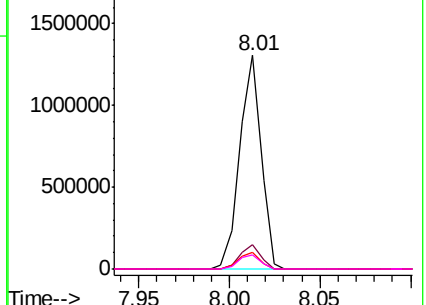
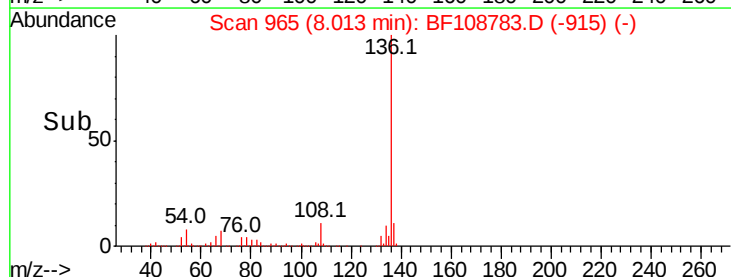


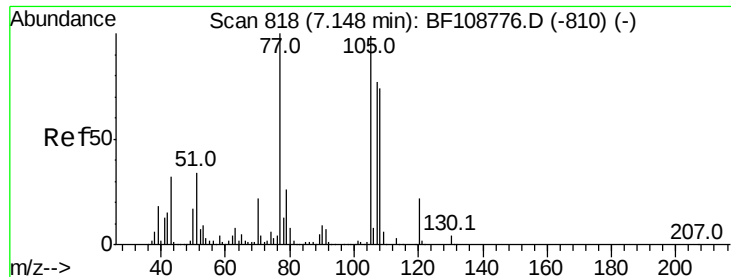
Abundance Ion 136.00 (135.70 to 136.70): E

2000000 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: 0.068 ng

RT: 7.13 min Scan# 815

Delta R.T. -0.02 min

Lab File: BF108783.D

Acq: 5 Sep 2018 19:23

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:105 Resp: 1642

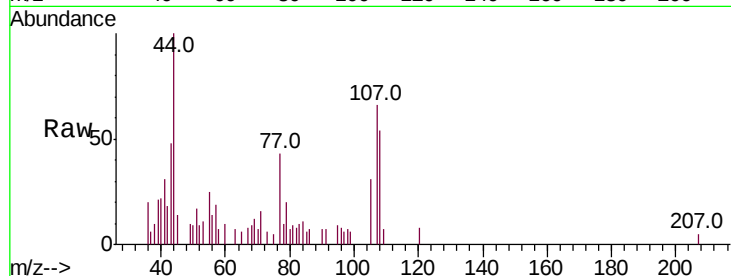
Ion Ratio Lower Upper

105 100

71 51.5 4.4 6.6#

51 53.1 22.3 33.5#

120 25.8 16.9 25.3#

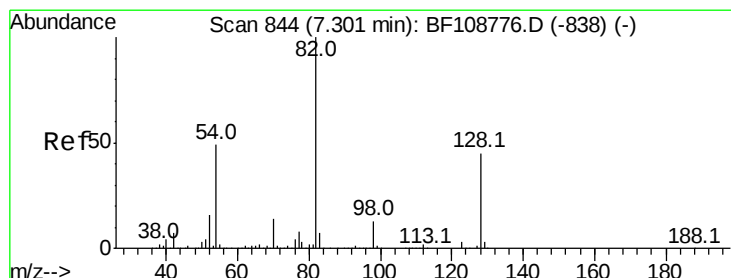
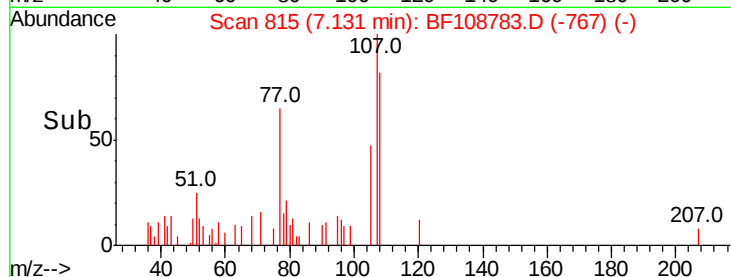
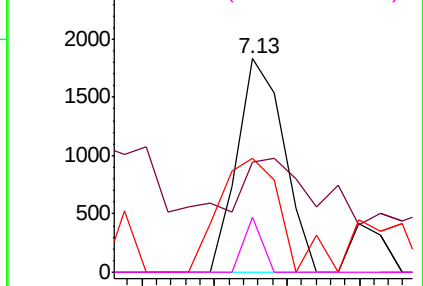


Abundance Ion 105.00 (104.70 to 105.70): E

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: 83.989 ng

RT: 7.29 min Scan# 842

Delta R.T. -0.01 min

Lab File: BF108783.D

Acq: 5 Sep 2018 19:23

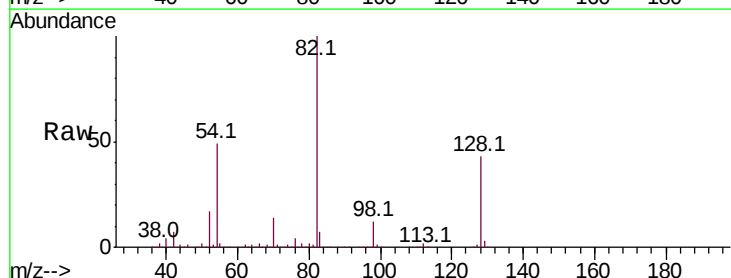
Tgt Ion: 82 Resp: 1435952

Ion Ratio Lower Upper

82 100

128 43.1 36.1 54.1

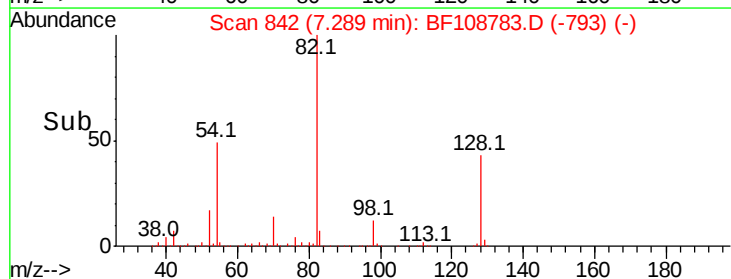
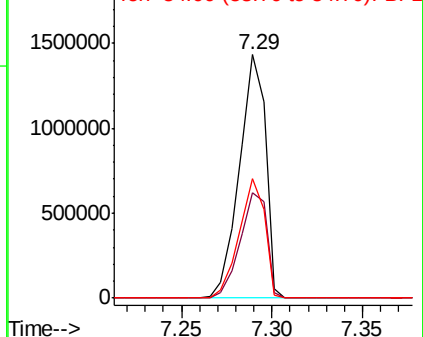
54 49.3 41.4 62.2

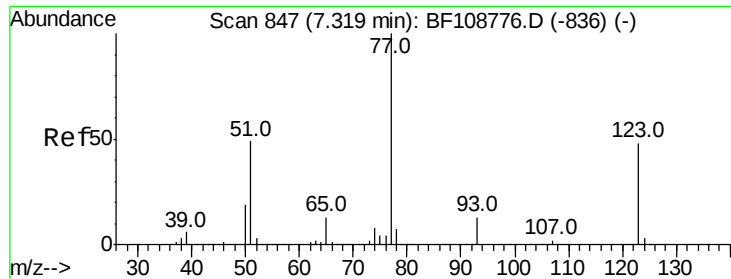


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#24

Nitrobenzene

Concen: 0.304 ng

RT: 7.29 min Scan# 842

Delta R.T. -0.03 min

Lab File: BF108783.D

Acq: 5 Sep 2018 19:23

Instrument :

BNA\_F

ClientSampleId :

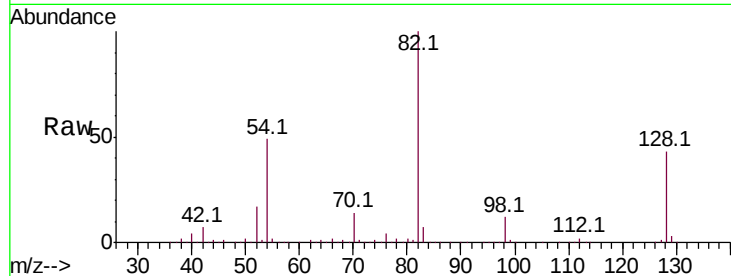
Tot Ion: 77 Resp: 5579

Ion Ratio Lower Upper

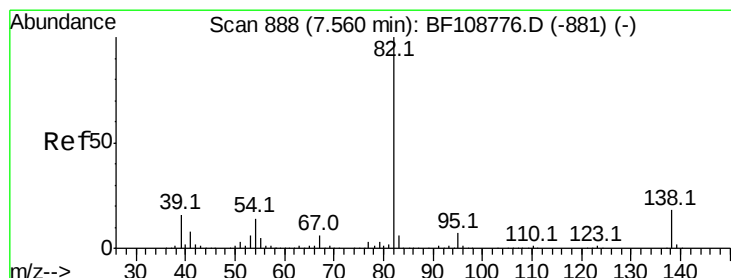
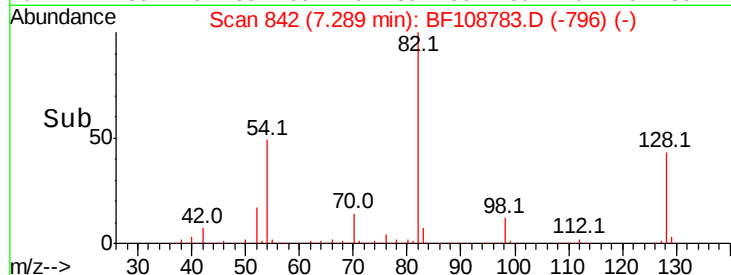
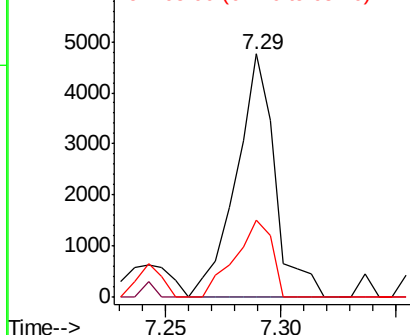
77 100

123 0.0 37.9 56.9#

65 31.7 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: 42.021 ng

RT: 7.29 min Scan# 842

Delta R.T. -0.27 min

Lab File: BF108783.D

Acq: 5 Sep 2018 19:23

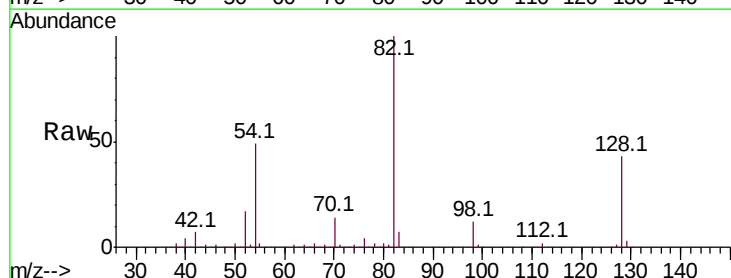
Tgt Ion: 82 Resp: 1433026

Ion Ratio Lower Upper

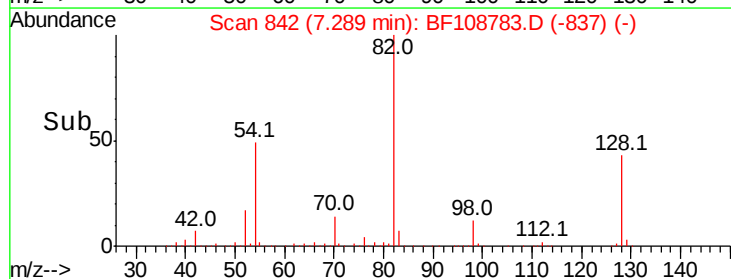
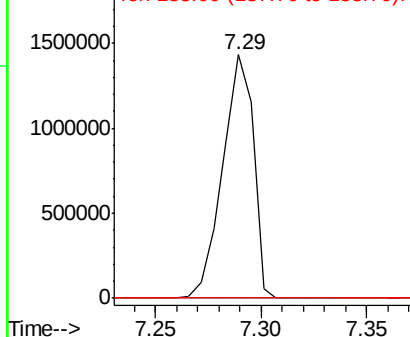
82 100

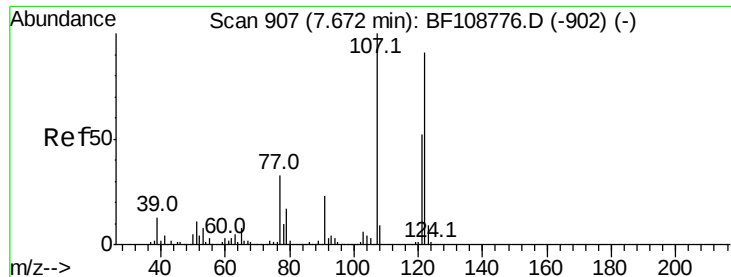
95 0.0 5.2 7.8#

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: 0.028 ng

RT: 7.67 min Scan# 906

Delta R.T. -0.01 min

Lab File: BF108783.D

Acq: 5 Sep 2018 19:23

Instrument :

BNA\_F

ClientSampleId :

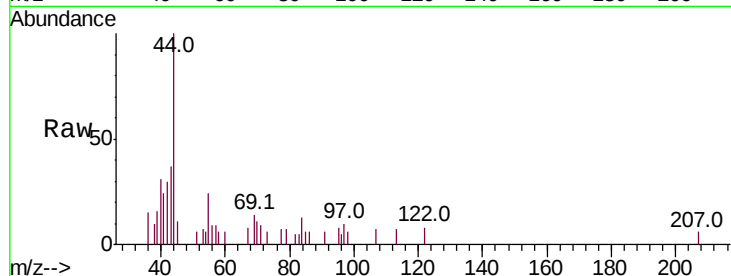
Tot Ion:122 Resp: 409

Ion Ratio Lower Upper

122 100

107 90.9 91.2 136.8#

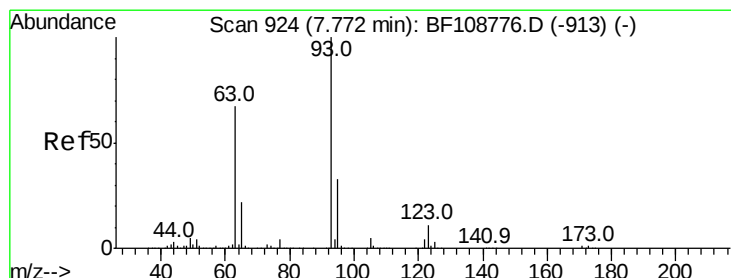
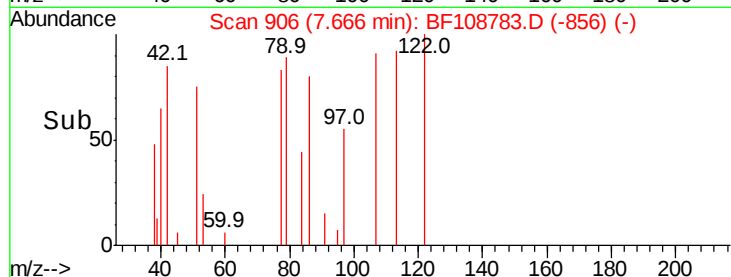
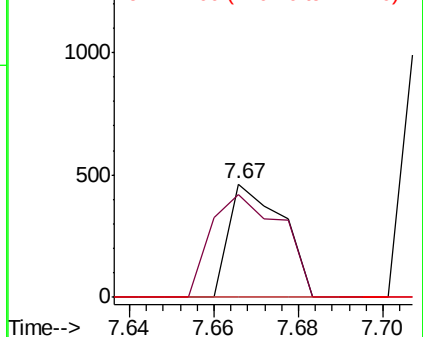
121 0.0 47.2 70.8#



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: 0.005 ng

RT: 7.75 min Scan# 921

Delta R.T. -0.02 min

Lab File: BF108783.D

Acq: 5 Sep 2018 19:23

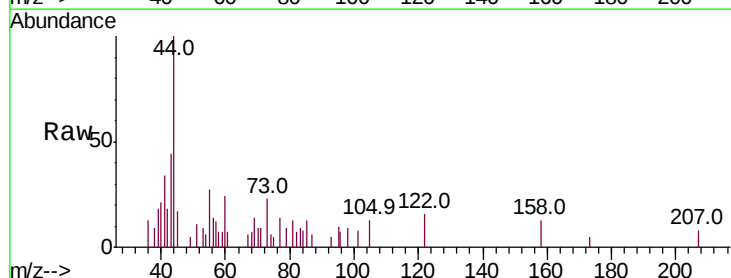
Tgt Ion: 93 Resp: 110

Ion Ratio Lower Upper

93 100

95 186.9 26.3 39.5#

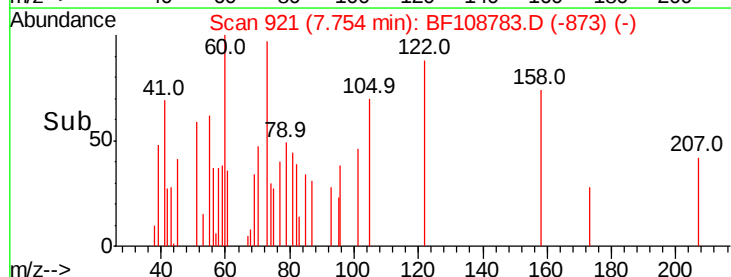
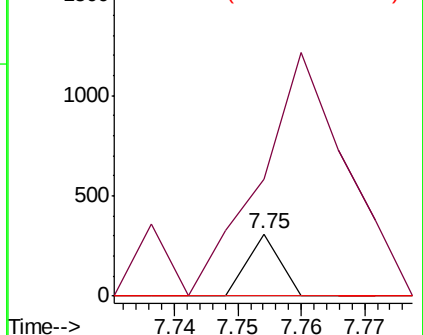
123 0.0 9.8 14.6#

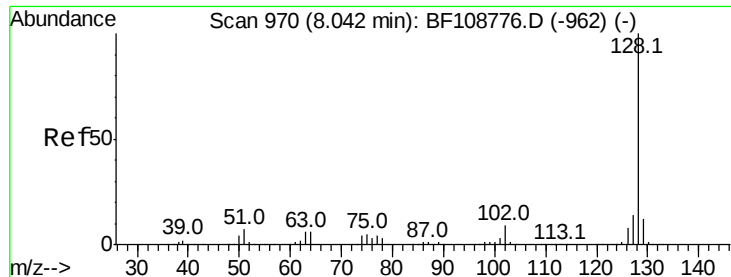


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

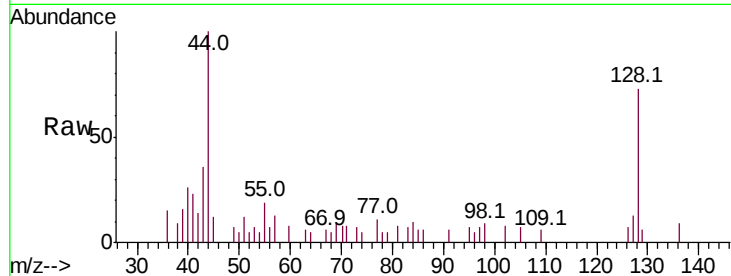




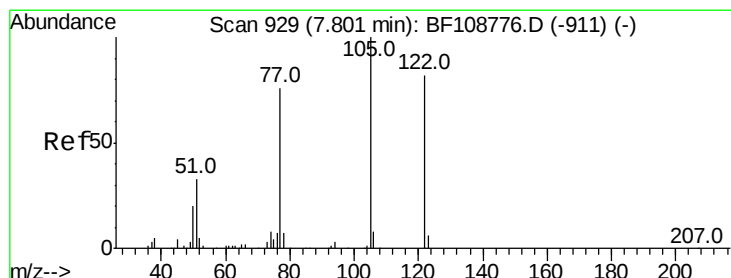
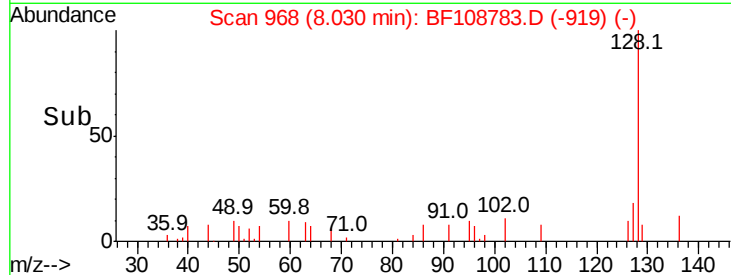
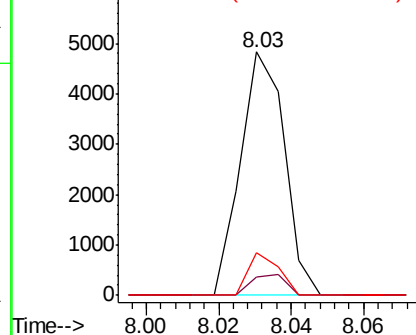
#31  
Naphthalene  
Concen: 0.085 ng  
RT: 8.03 min Scan# 968  
Delta R.T. -0.01 min  
Lab File: BF108783.D  
Acq: 5 Sep 2018 19:23

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:128 Resp: 4109  
Ion Ratio Lower Upper  
128 100  
129 7.6 8.8 13.2#  
127 17.7 10.9 16.3#

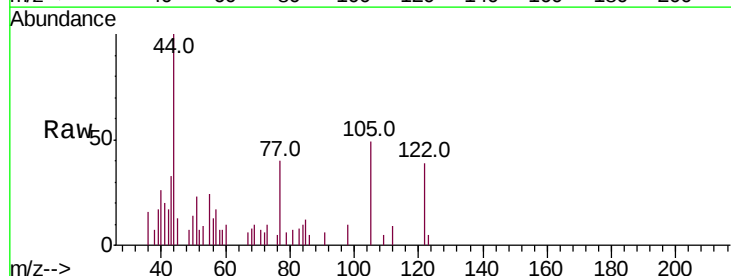


Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E

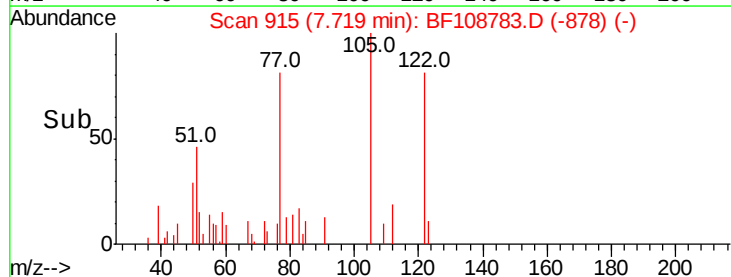
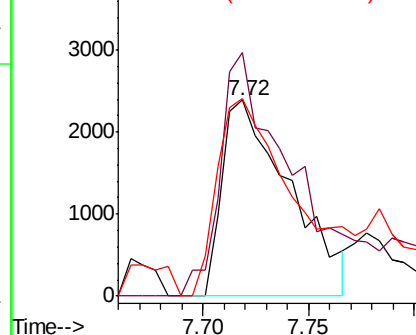


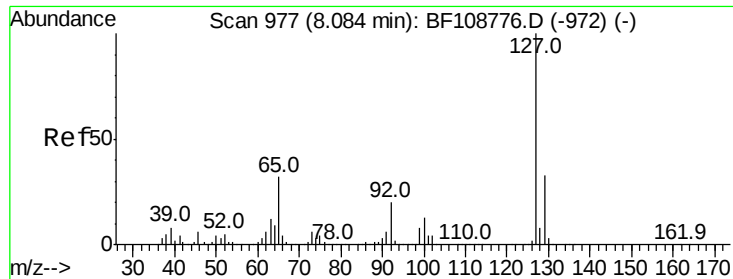
#32  
Benzoic acid  
Concen: 4.596 ng  
RT: 7.72 min Scan# 915  
Delta R.T. -0.08 min  
Lab File: BF108783.D  
Acq: 5 Sep 2018 19:23

Tgt Ion:122 Resp: 5323  
Ion Ratio Lower Upper  
122 100  
105 124.2 101.1 141.1  
77 100.8 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

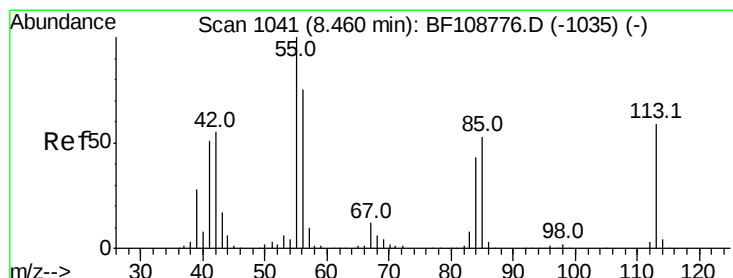
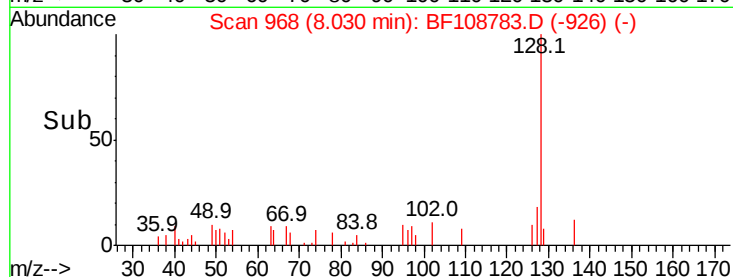
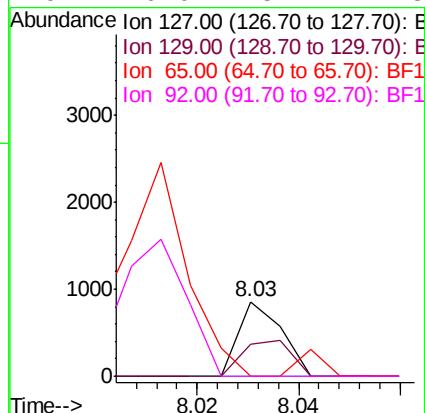
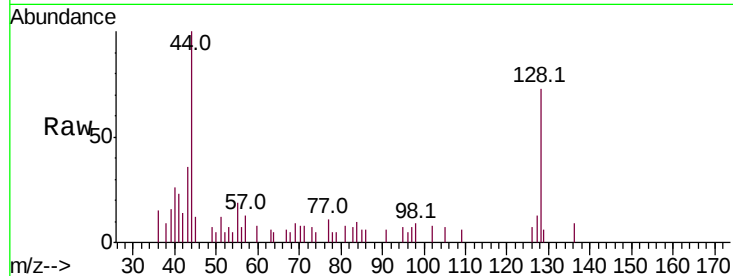




#33  
4-Chloroaniline  
Concen: 0.023 ng  
RT: 8.03 min Scan# 968  
Delta R.T. -0.05 min  
Lab File: BF108783.D  
Acq: 5 Sep 2018 19:23

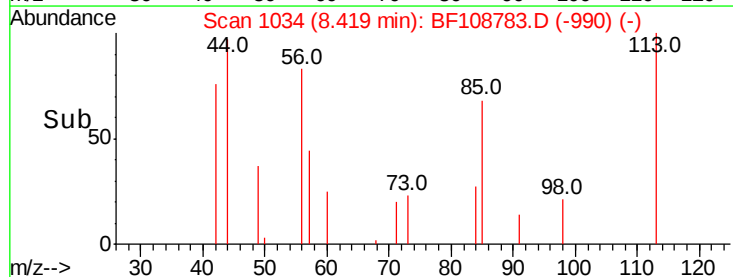
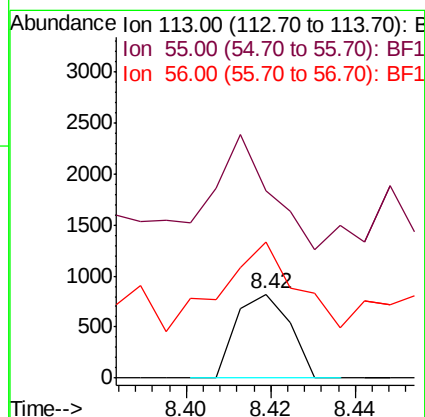
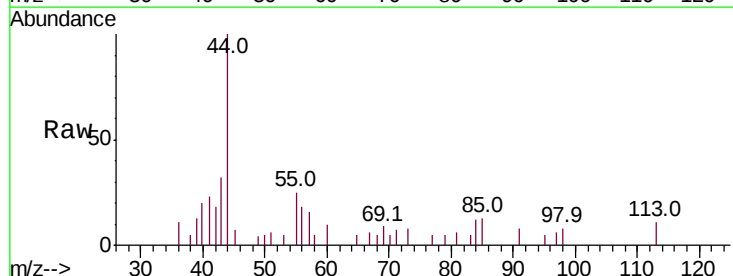
Instrument :  
BNA\_F  
ClientSampleId :

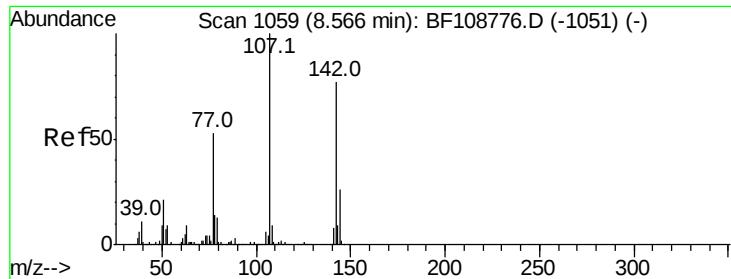
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 127   | Resp: | 505   |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 43.2  | 25.9  | 38.9# |
| 65       | 0.0   | 25.0  | 37.4# |
| 92       | 0.0   | 15.2  | 22.8# |



#35  
Caprolactam  
Concen: 0.141 ng  
RT: 8.42 min Scan# 1034  
Delta R.T. -0.04 min  
Lab File: BF108783.D  
Acq: 5 Sep 2018 19:23

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 113   | Resp: | 724    |
| Ion      | Ratio | Lower | Upper  |
| 113      | 100   |       |        |
| 55       | 224.5 | 163.3 | 203.3# |
| 56       | 163.5 | 115.7 | 155.7# |

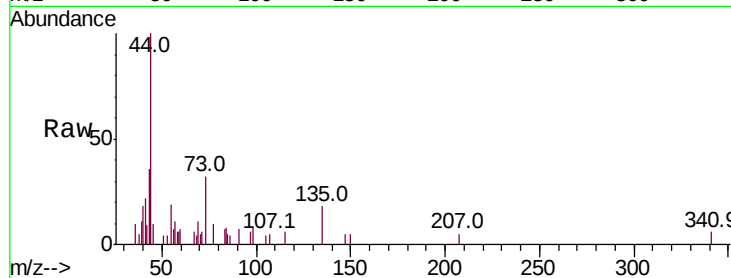




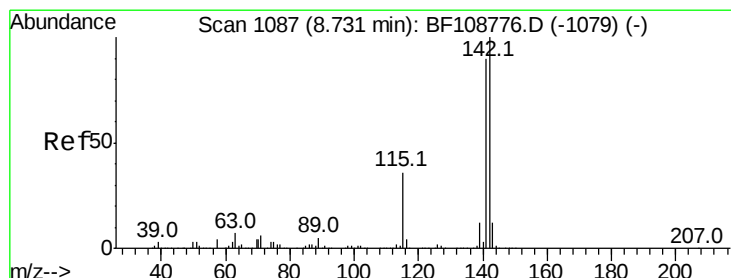
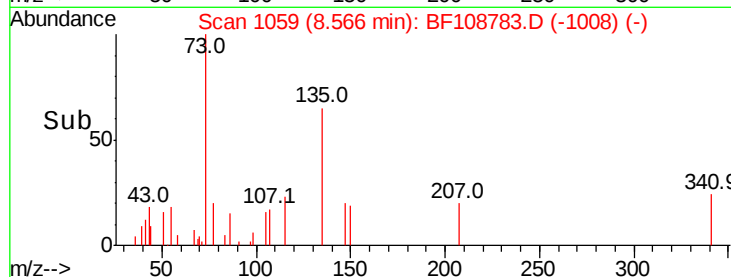
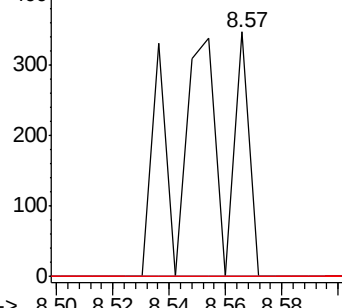
#36  
4-Chloro-3-methylphenol  
Concen: 0.029 ng  
RT: 8.57 min Scan# 1059  
Delta R.T. -0.00 min  
Lab File: BF108783.D  
Acq: 5 Sep 2018 19:23

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:107 Resp: 468  
Ion Ratio Lower Upper  
107 100  
144 0.0 20.5 30.7#  
142 0.0 62.0 93.0#

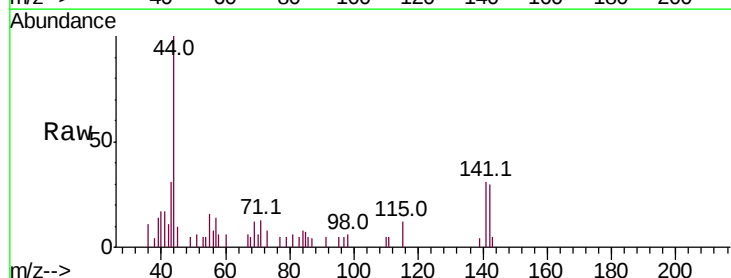


Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 144.00 (143.70 to 144.70): E  
Ion 142.00 (141.70 to 142.70): E

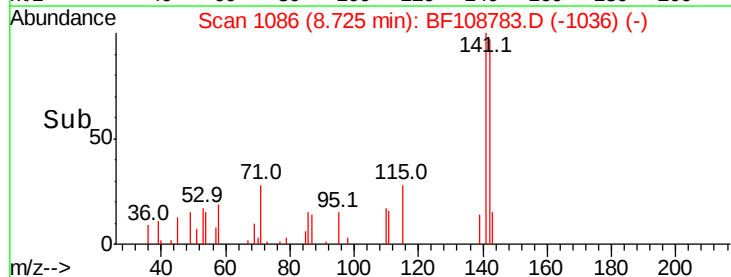
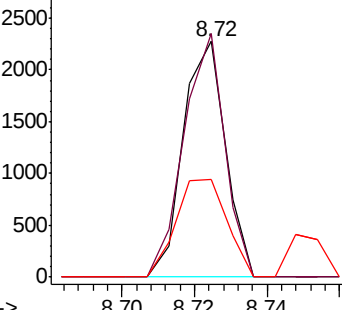


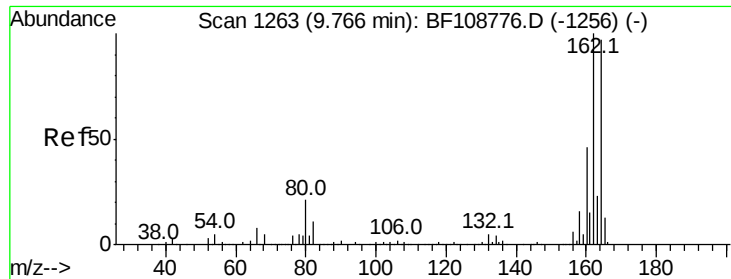
#37  
2-Methylnaphthalene  
Concen: 0.058 ng  
RT: 8.72 min Scan# 1086  
Delta R.T. -0.01 min  
Lab File: BF108783.D  
Acq: 5 Sep 2018 19:23

Tgt Ion:142 Resp: 1832  
Ion Ratio Lower Upper  
142 100  
141 103.4 70.8 106.2  
115 41.8 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: 9.76 min Scan# 1262

Delta R.T. -0.01 min

Lab File: BF108783.D

Acq: 5 Sep 2018 19:23

Instrument :

BNA\_F

ClientSampleId :

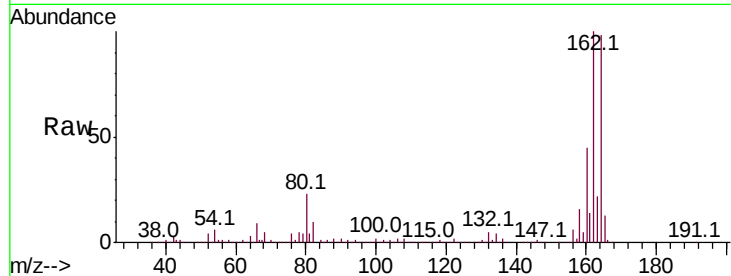
Tot Ion:164 Resp: 526001

Ion Ratio Lower Upper

164 100

162 101.9 86.1 129.1

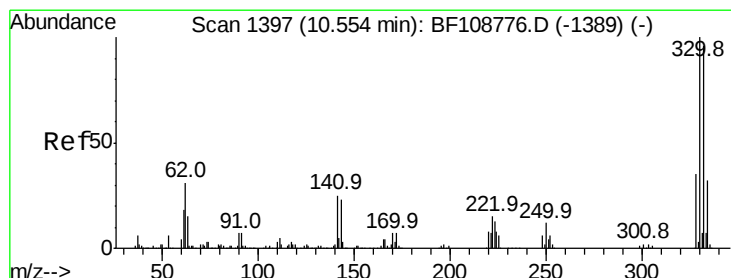
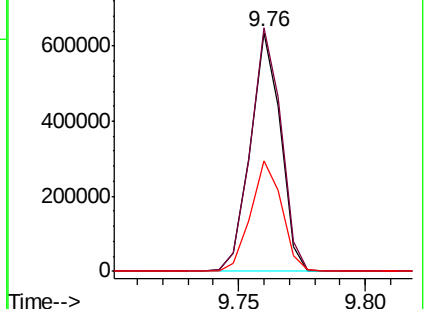
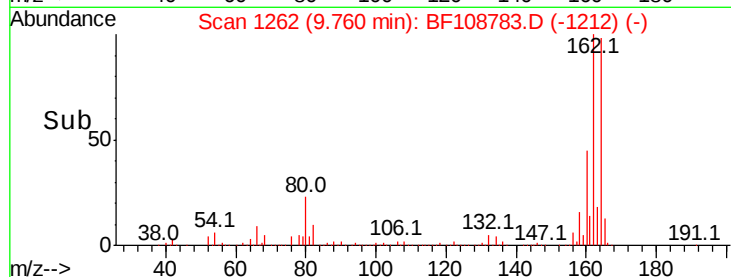
160 46.2 38.3 57.5



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: 107.718 ng

RT: 10.55 min Scan# 1396

Delta R.T. -0.01 min

Lab File: BF108783.D

Acq: 5 Sep 2018 19:23

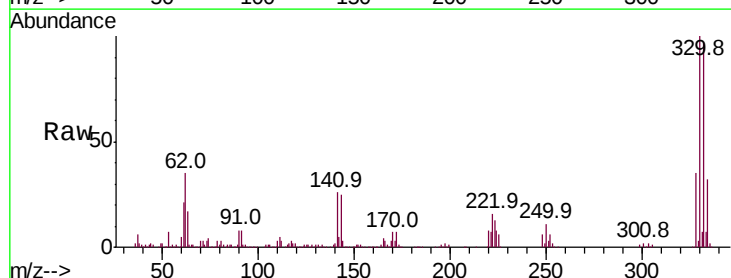
Tgt Ion:330 Resp: 540902

Ion Ratio Lower Upper

330 100

332 97.3 77.0 115.6

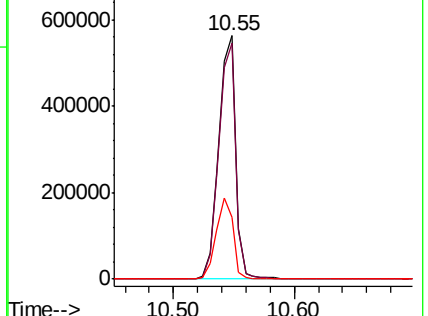
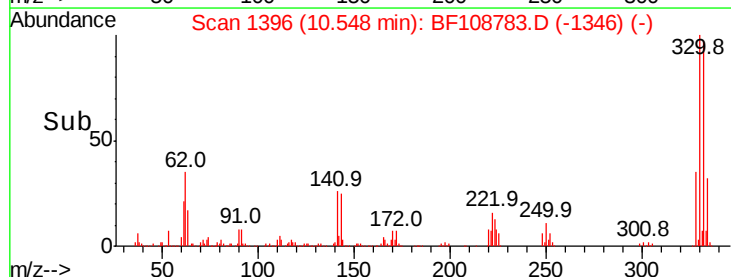
141 33.7 29.9 44.9

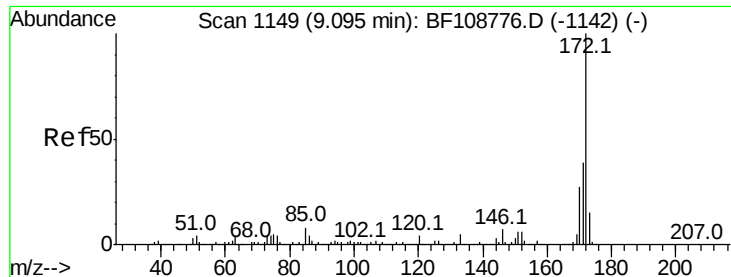


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



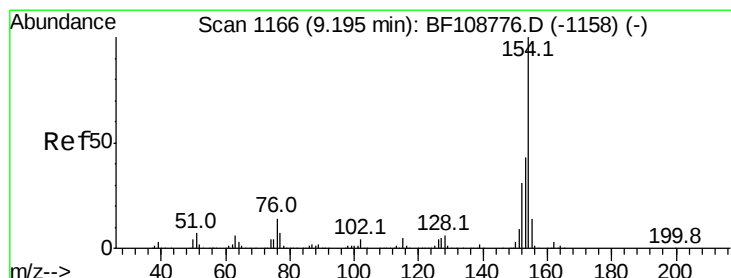
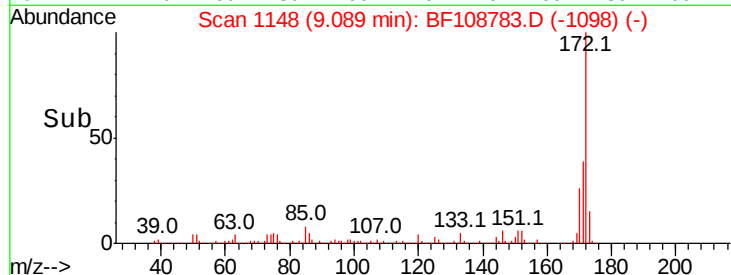
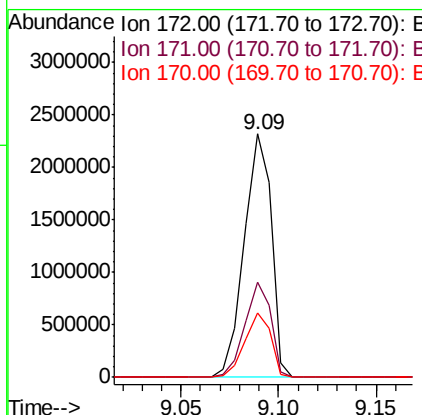
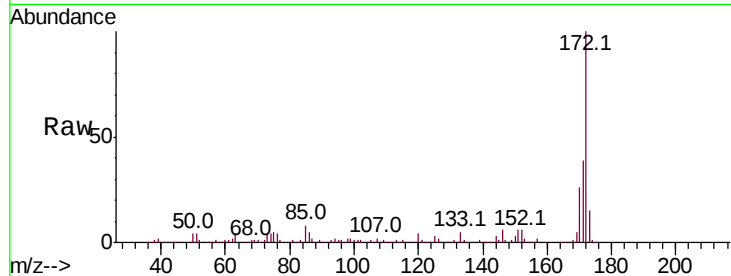


#44  
 2-Fluorobiphenyl  
 Concen: 72.580 ng  
 RT: 9.09 min Scan# 1148  
 Delta R.T. -0.01 min  
 Lab File: BF108783.D  
 Acq: 5 Sep 2018 19:23

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:172 Resp: 2237841  

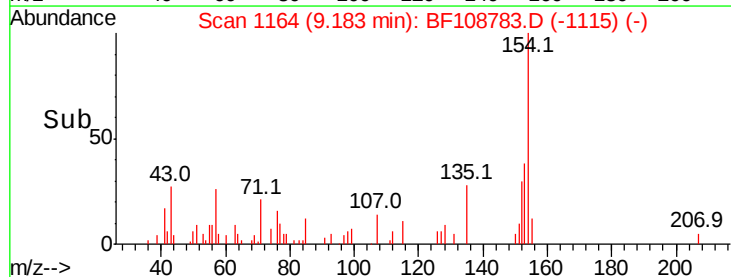
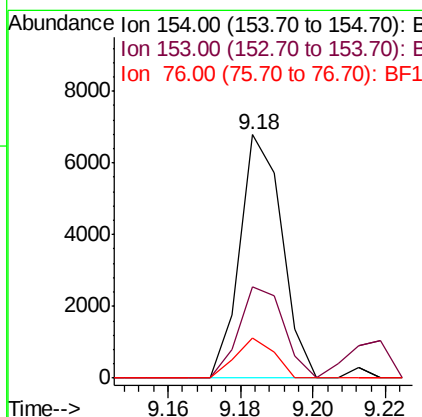
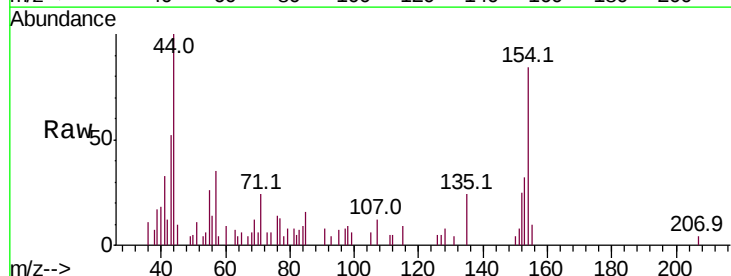
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 39.2  | 29.7  | 44.5  |
| 170 | 26.5  | 19.6  | 29.4  |

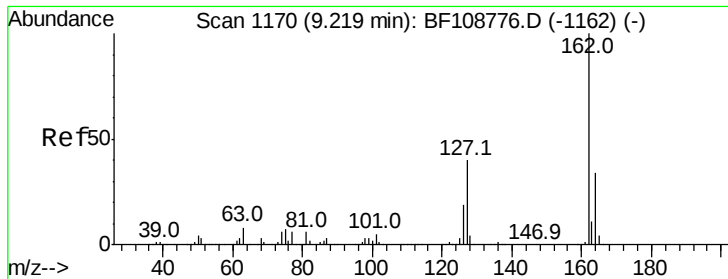


#45  
 1,1'-Biphenyl  
 Concen: 0.136 ng  
 RT: 9.18 min Scan# 1164  
 Delta R.T. -0.01 min  
 Lab File: BF108783.D  
 Acq: 5 Sep 2018 19:23

Tgt Ion:154 Resp: 5521  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 154 | 100   |       |       |
| 153 | 37.7  | 21.3  | 61.3  |
| 76  | 16.3  | 0.0   | 34.0  |





#46

2-Chloronaphthalene

Concen: 0.020 ng

RT: 9.22 min Scan# 1170

Delta R.T. -0.00 min

Lab File: BF108783.D

Acq: 5 Sep 2018 19:23

Instrument :  
BNA\_F  
ClientSampled :

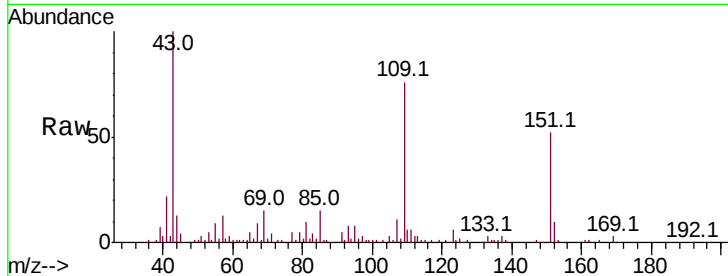
Tot Ion:162 Resp: 661

Ion Ratio Lower Upper

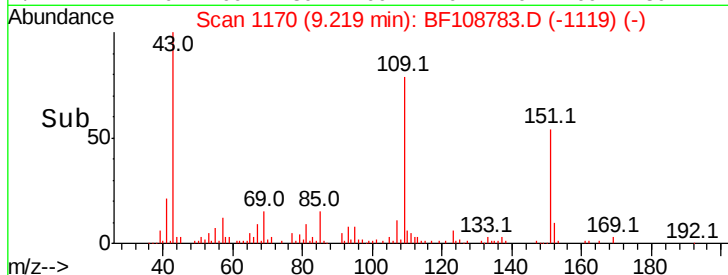
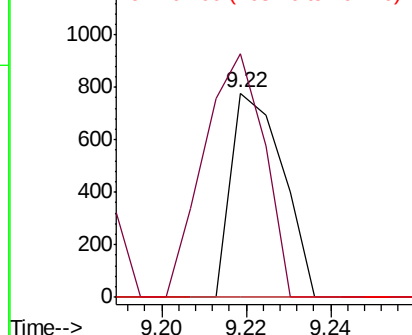
162 100

127 119.2 33.9 50.9#

164 0.0 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: 0.061 ng

RT: 9.30 min Scan# 1184

Delta R.T. -0.01 min

Lab File: BF108783.D

Acq: 5 Sep 2018 19:23

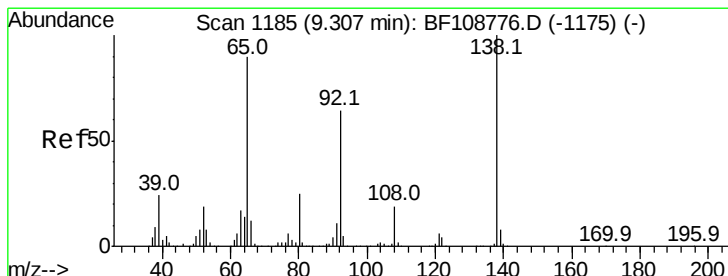
Tgt Ion: 65 Resp: 542

Ion Ratio Lower Upper

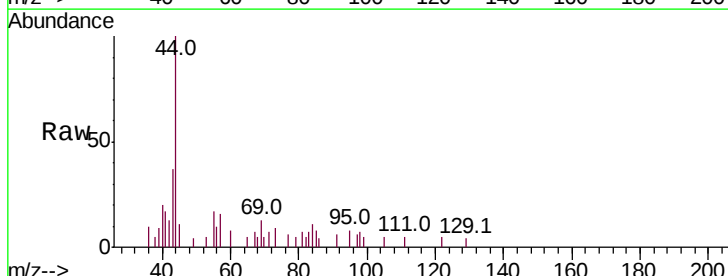
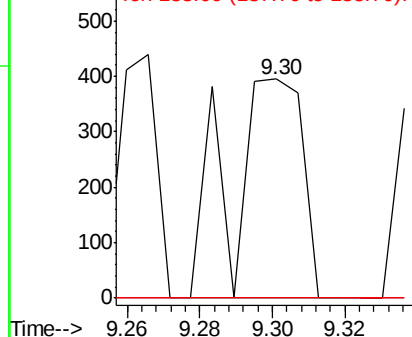
65 100

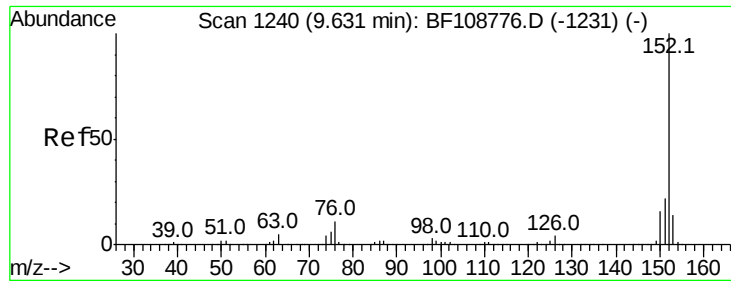
92 0.0 55.8 83.6#

138 0.0 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): E





#48

Acenaphthylene

Concen: 0.183 ng

RT: 9.62 min Scan# 1238

Delta R.T. -0.01 min

Lab File: BF108783.D

Acq: 5 Sep 2018 19:23

Instrument :

BNA\_F

ClientSampleId :

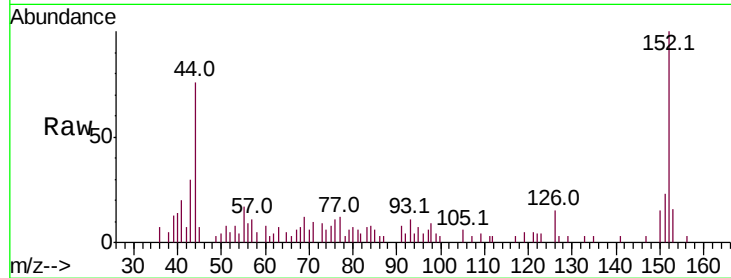
Tot Ion:152 Resp: 8922

Ion Ratio Lower Upper

152 100

151 22.6 16.3 24.5

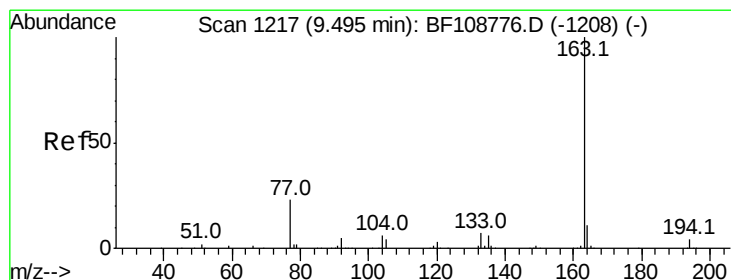
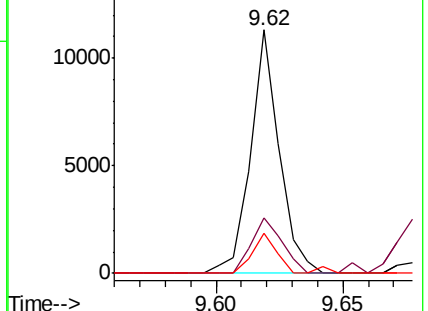
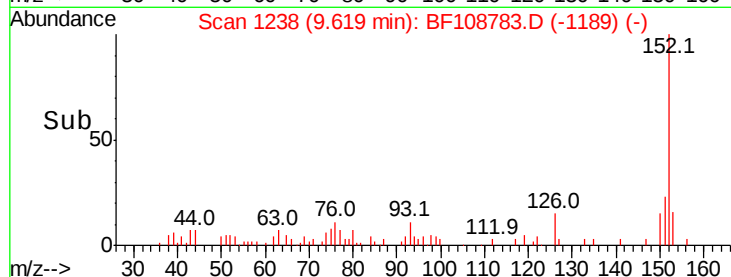
153 16.4 10.7 16.1#



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: 23.059 ng

RT: 9.48 min Scan# 1215

Delta R.T. -0.01 min

Lab File: BF108783.D

Acq: 5 Sep 2018 19:23

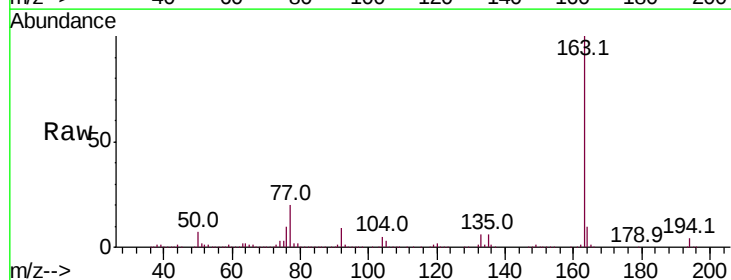
Tgt Ion:163 Resp: 848347

Ion Ratio Lower Upper

163 100

194 3.9 2.7 4.1

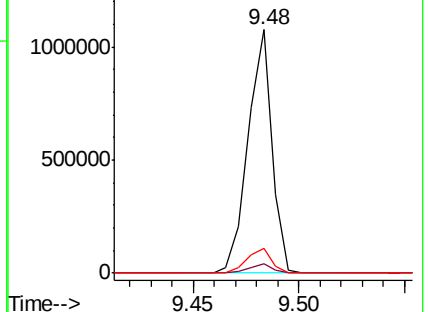
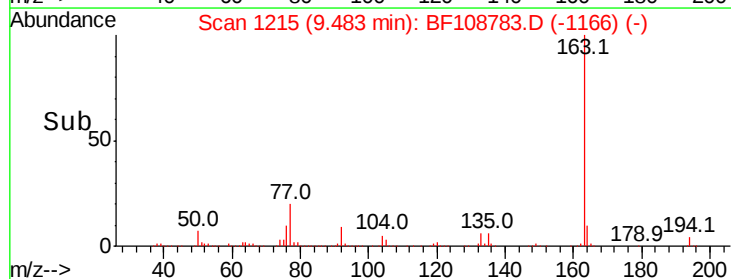
164 10.2 8.2 12.2

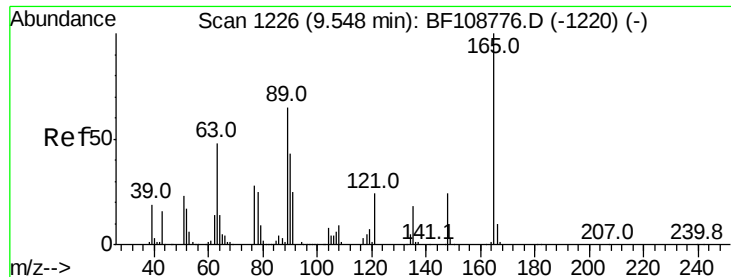


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

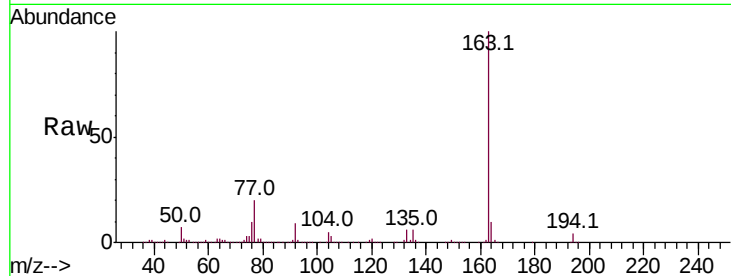




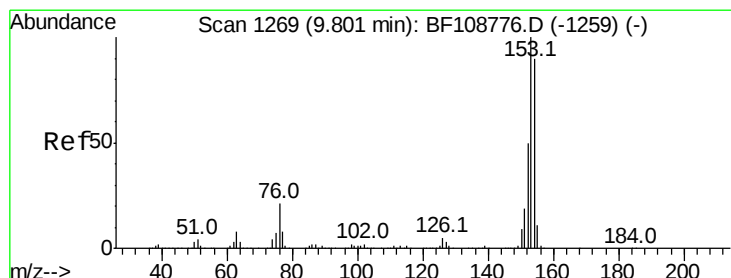
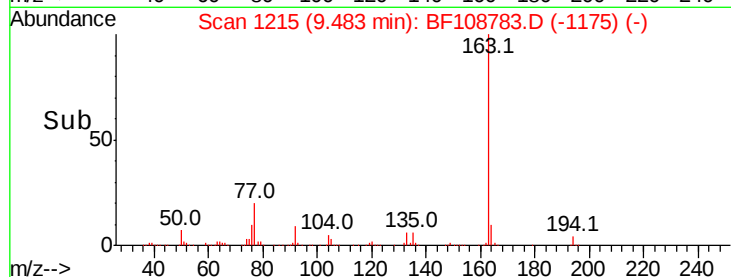
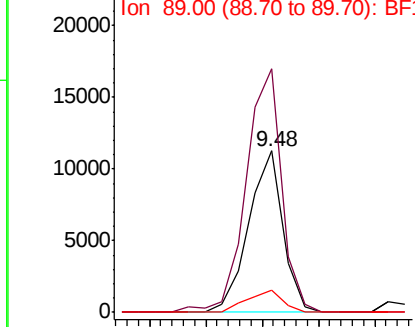
#50  
2,6-Dinitrotoluene  
Concen: 1.351 ng  
RT: 9.48 min Scan# 1215  
Delta R.T. -0.06 min  
Lab File: BF108783.D  
Acq: 5 Sep 2018 19:23

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:165 Resp: 9473  
Ion Ratio Lower Upper  
165 100  
63 151.0 44.7 67.1#  
89 13.8 44.0 66.0#

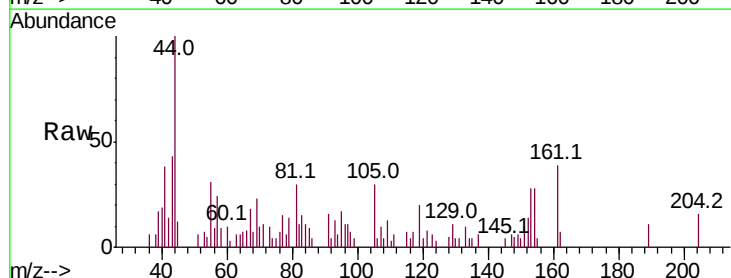


Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 89.00 (88.70 to 89.70): BF1

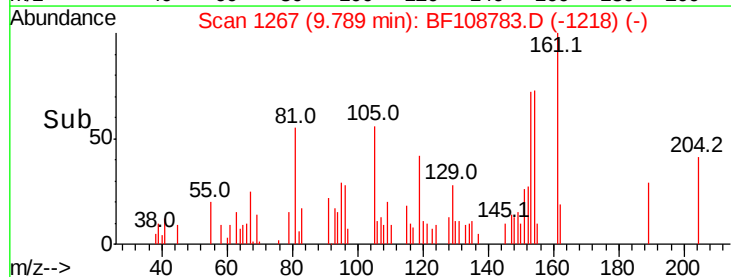
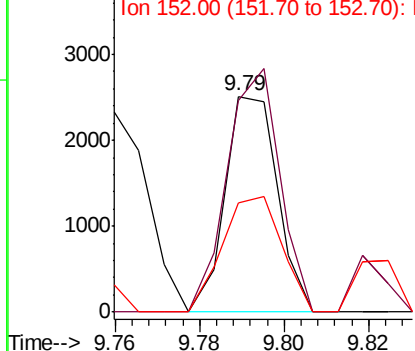


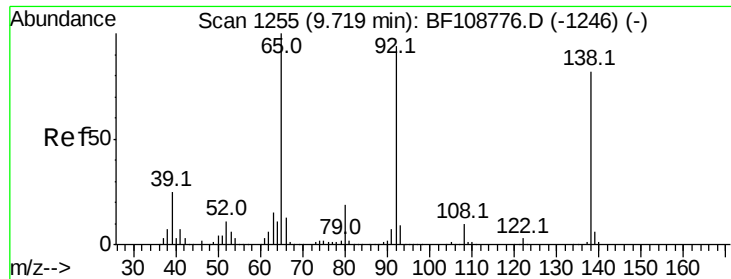
#51  
Acenaphthene  
Concen: 0.071 ng  
RT: 9.79 min Scan# 1267  
Delta R.T. -0.01 min  
Lab File: BF108783.D  
Acq: 5 Sep 2018 19:23

Tgt Ion:154 Resp: 2158  
Ion Ratio Lower Upper  
154 100  
153 97.9 91.2 136.8  
152 50.8 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

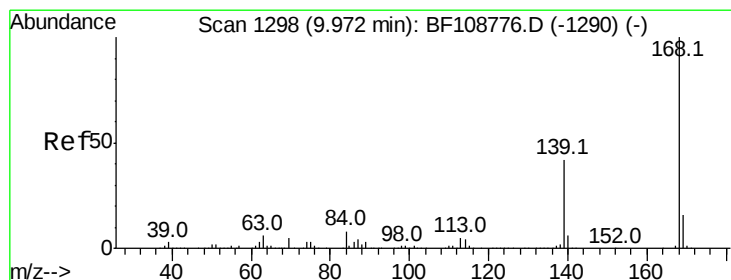
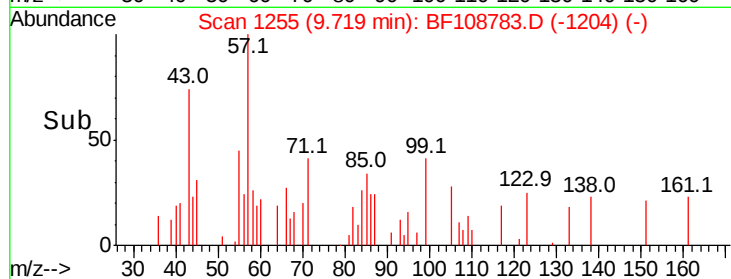
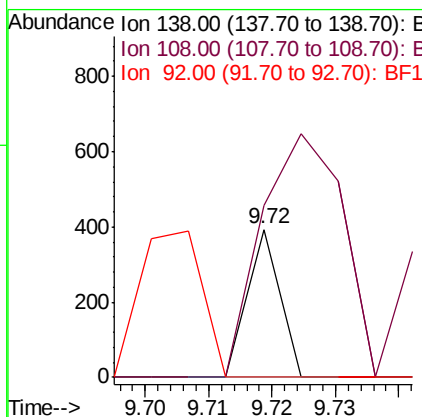
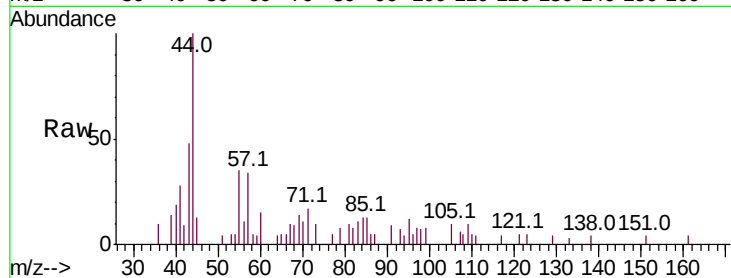




#52  
3-Nitroaniline  
Concen: 0.017 ng  
RT: 9.72 min Scan# 1255  
Delta R.T. -0.00 min  
Lab File: BF108783.D  
Acq: 5 Sep 2018 19:23

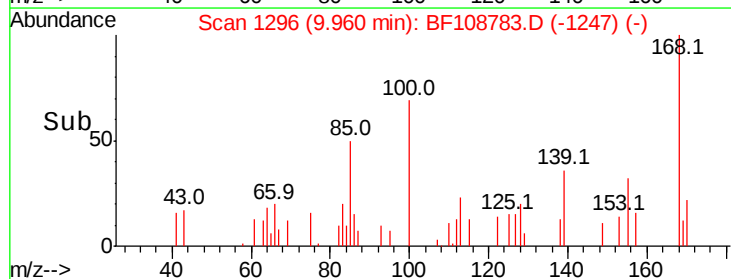
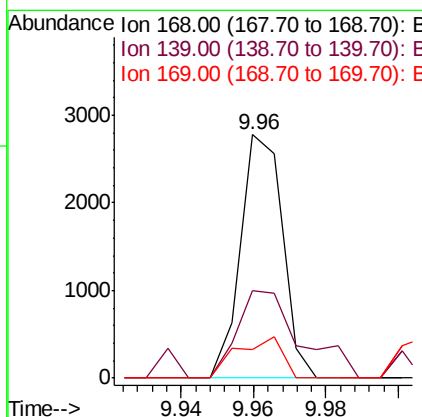
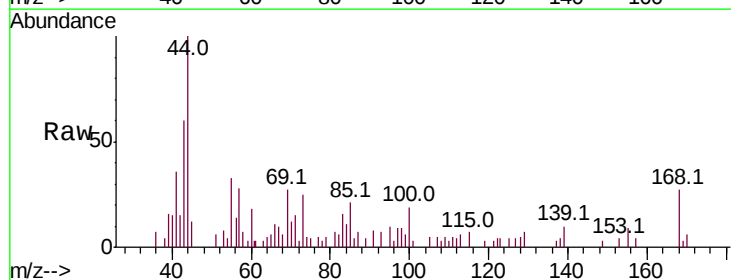
Instrument :  
BNA\_F  
ClientSampleId :

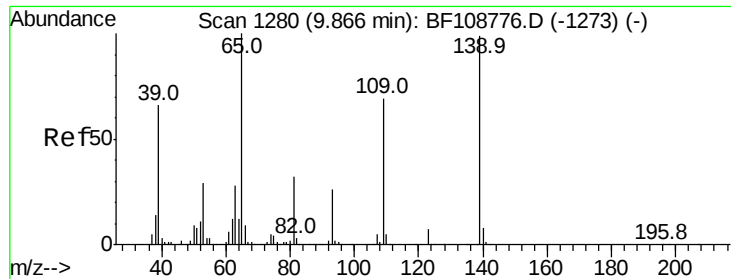
Tot Ion:138 Resp: 139  
Ion Ratio Lower Upper  
138 100  
108 115.7 9.4 14.0#  
92 0.0 89.4 134.2#



#54  
Dibenzofuran  
Concen: 0.051 ng  
RT: 9.96 min Scan# 1296  
Delta R.T. -0.01 min  
Lab File: BF108783.D  
Acq: 5 Sep 2018 19:23

Tgt Ion:168 Resp: 2228  
Ion Ratio Lower Upper  
168 100  
139 36.2 30.1 45.1  
169 11.8 10.9 16.3

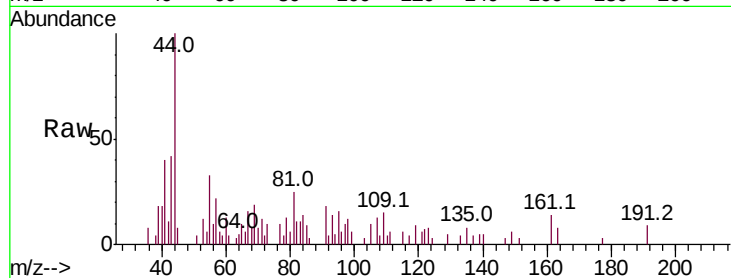




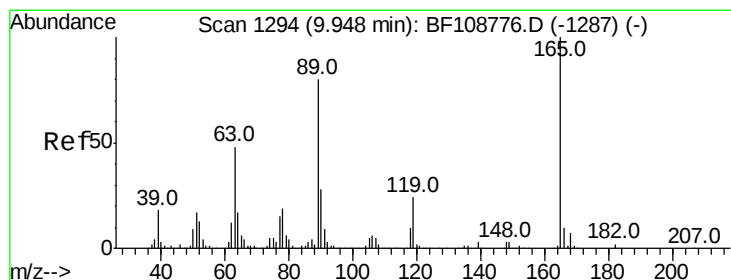
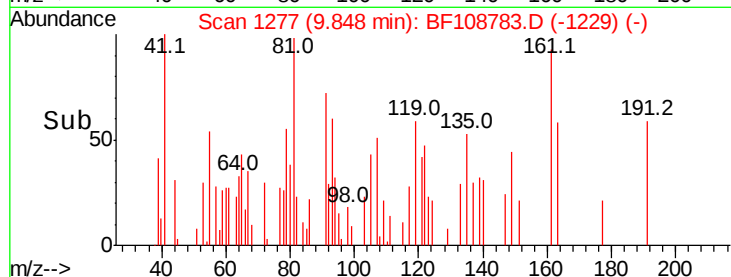
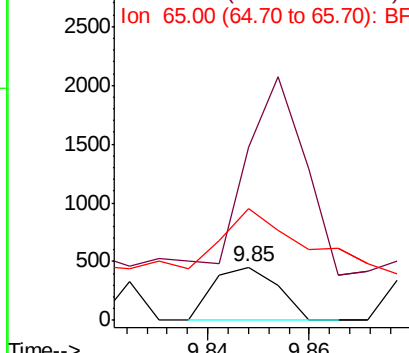
#55  
4-Nitrophenol  
Concen: 0.064 ng  
RT: 9.85 min Scan# 1277  
Delta R.T. -0.02 min  
Lab File: BF108783.D  
Acq: 5 Sep 2018 19:23

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:139 Resp: 401  
Ion Ratio Lower Upper  
139 100  
109 326.6 48.4 88.4#  
65 210.0 72.6 112.6#

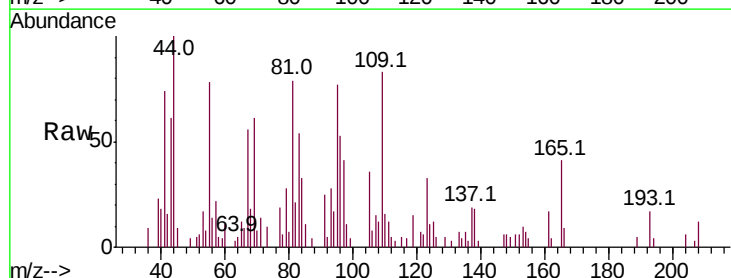


Abundance Ion 139.00 (138.70 to 139.70): E  
Ion 109.00 (108.70 to 109.70): E  
Ion 65.00 (64.70 to 65.70): BF1

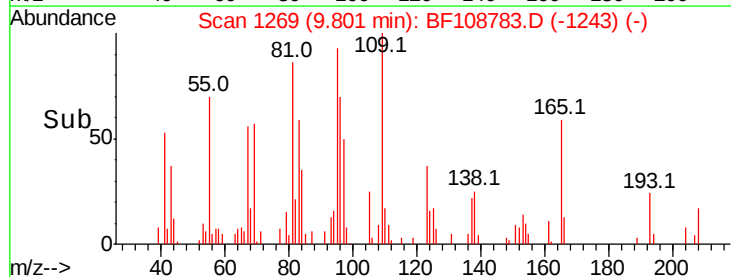
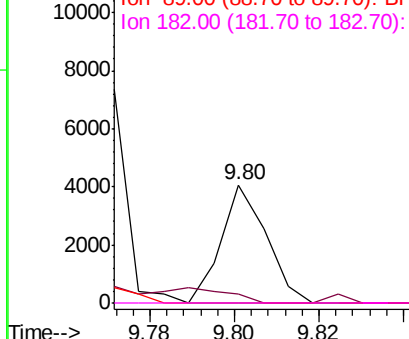


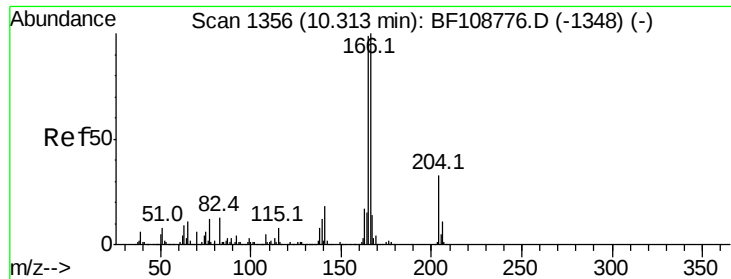
#56  
2,4-Dinitrotoluene  
Concen: 0.338 ng  
RT: 9.80 min Scan# 1269  
Delta R.T. -0.15 min  
Lab File: BF108783.D  
Acq: 5 Sep 2018 19:23

Tgt Ion:165 Resp: 3026  
Ion Ratio Lower Upper  
165 100  
63 8.0 36.4 54.6#  
89 0.0 57.8 86.6#  
182 0.0 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: 0.172 ng

RT: 10.30 min Scan# 1354

Delta R.T. -0.01 min

Lab File: BF108783.D

Acq: 5 Sep 2018 19:23

Instrument :

BNA\_F

ClientSampleId :

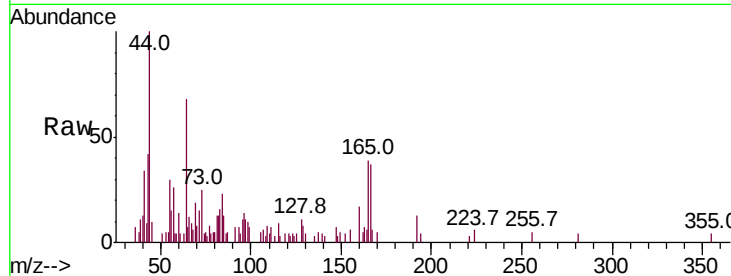
Tot Ion:166 Resp: 4855

Ion Ratio Lower Upper

166 100

165 107.0 79.8 119.8

167 17.3 10.6 16.0#

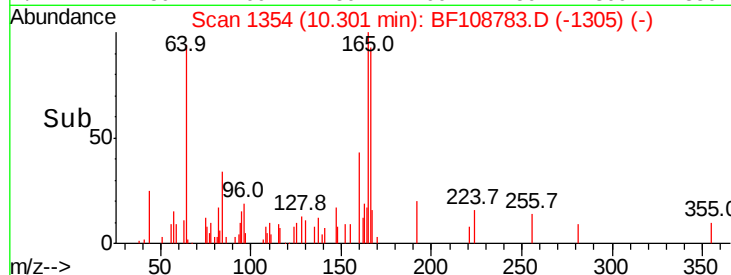


Abundance Ion 166.00 (165.70 to 166.70): E

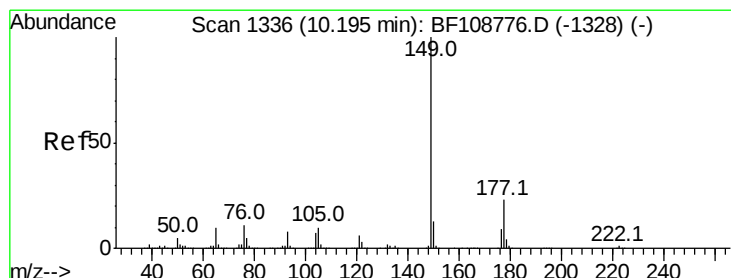
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

Time-->



Time-->



#59

Diethylphthalate

Concen: 1.941 ng

RT: 10.17 min Scan# 1332

Delta R.T. -0.02 min

Lab File: BF108783.D

Acq: 5 Sep 2018 19:23

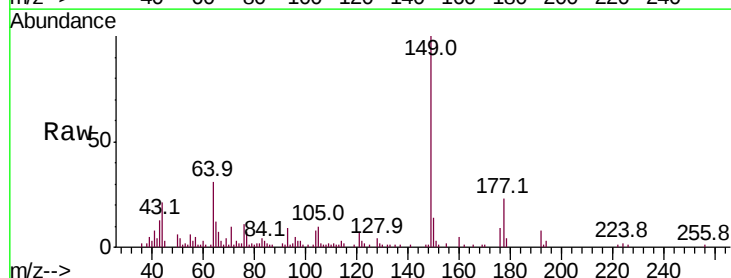
Tgt Ion:149 Resp: 73679

Ion Ratio Lower Upper

149 100

177 22.9 16.1 24.1

150 13.7 10.1 15.1

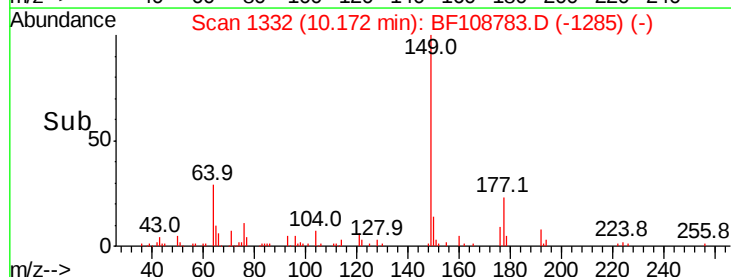


Abundance Ion 149.00 (148.70 to 149.70): E

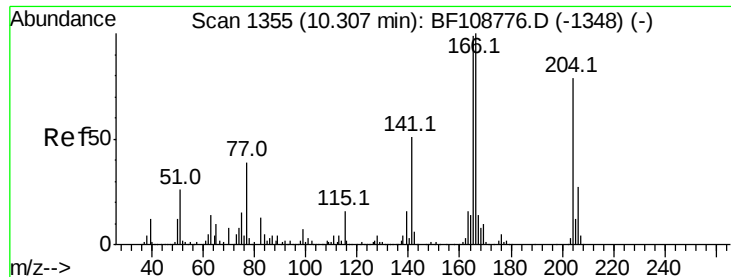
Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

Time-->



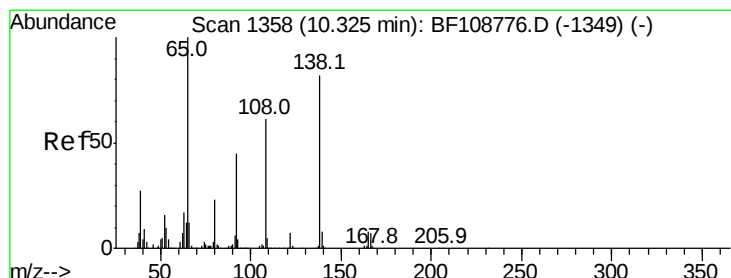
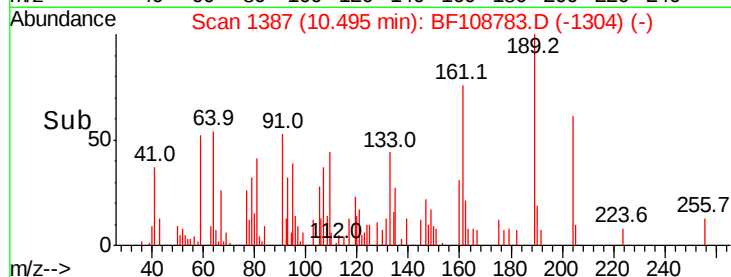
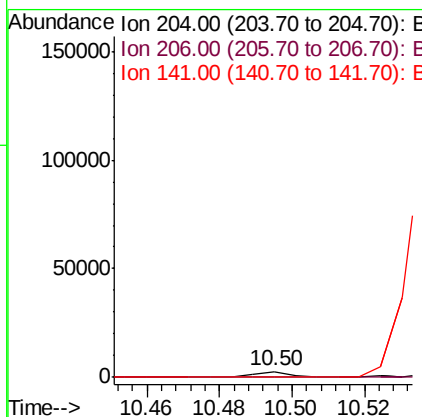
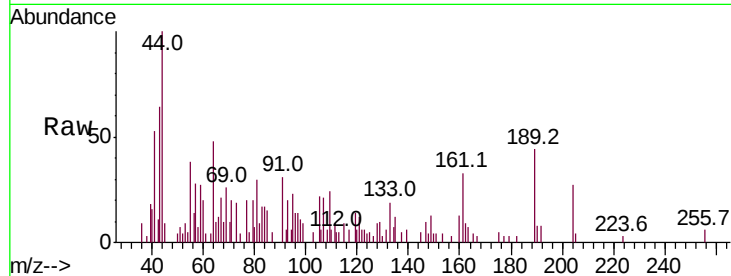
Time-->



#60  
4-Chlorophenyl-phenylether  
Concen: 0.131 ng  
RT: 10.50 min Scan# 1387  
Delta R.T. 0.19 min  
Lab File: BF108783.D  
Acq: 5 Sep 2018 19:23

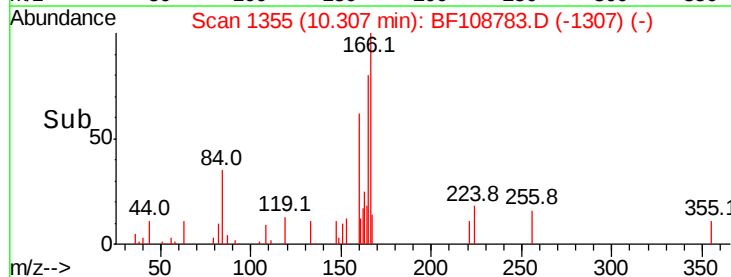
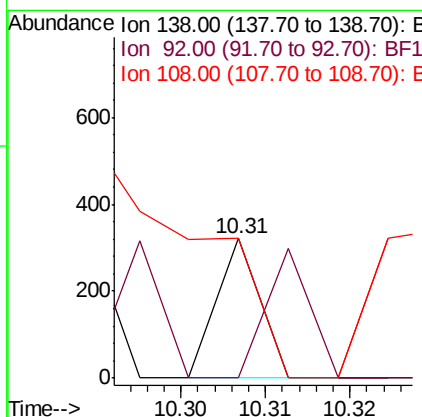
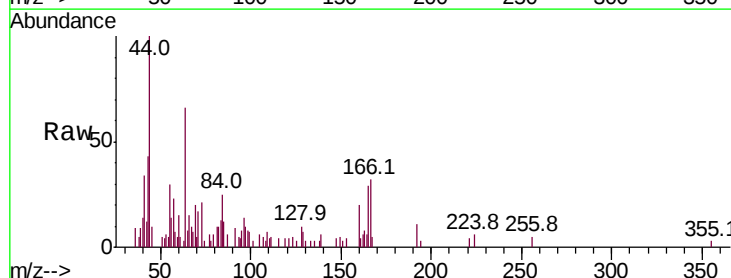
Instrument :  
BNA\_F  
ClientSampled :

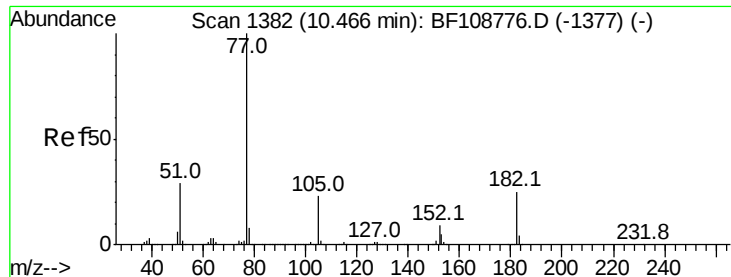
Tot Ion:204 Resp: 1980  
Ion Ratio Lower Upper  
204 100  
206 0.0 26.5 39.7#  
141 0.0 54.6 81.8#



#61  
4-Nitroaniline  
Concen: 0.015 ng  
RT: 10.31 min Scan# 1355  
Delta R.T. -0.02 min  
Lab File: BF108783.D  
Acq: 5 Sep 2018 19:23

Tgt Ion:138 Resp: 114  
Ion Ratio Lower Upper  
138 100  
92 0.0 30.2 70.2#  
108 99.7 52.5 92.5#





#62

Azobenzene

Concen: 0.018 ng

RT: 10.47 min Scan# 1383

Delta R.T. 0.01 min

Lab File: BF108783.D

Acq: 5 Sep 2018 19:23

Instrument :

BNA\_F

ClientSampleId :

Tot Ion: 77 Resp: 705

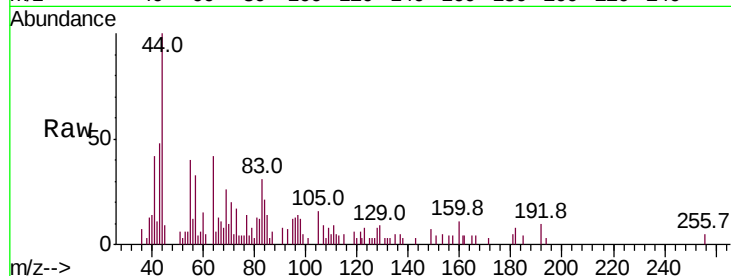
Ion Ratio Lower Upper

77 100

182 55.4 1.7 41.7#

105 119.7 3.0 43.0#

51 41.6 9.9 49.9

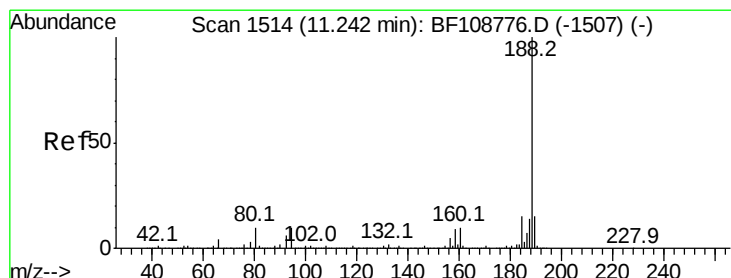
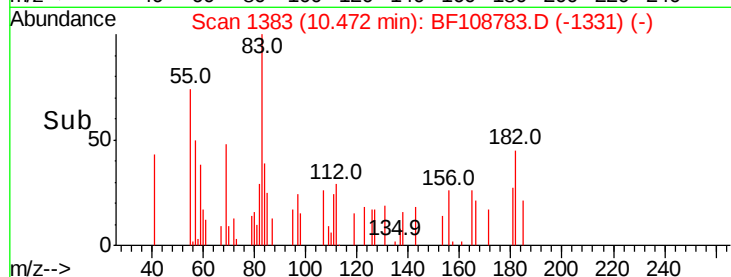
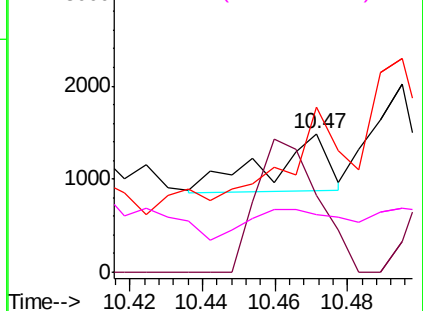


Abundance Ion 77.00 (76.70 to 77.70): BF1

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# 1513

Delta R.T. -0.01 min

Lab File: BF108783.D

Acq: 5 Sep 2018 19:23

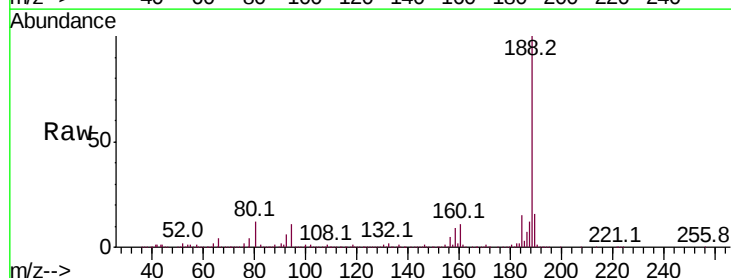
Tgt Ion:188 Resp: 943759

Ion Ratio Lower Upper

188 100

94 11.4 8.5 12.7

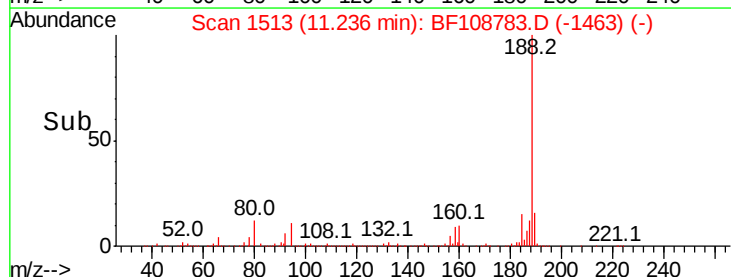
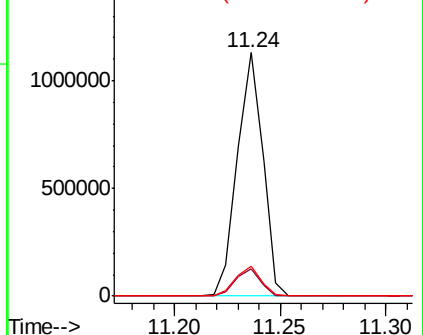
80 12.3 9.2 13.8

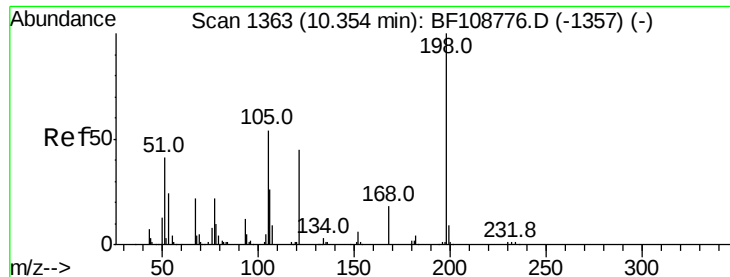


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#64

4,6-Dinitro-2-methylphenol

Concen: 7.159 ng

RT: 10.54 min Scan# 1395

Delta R.T. 0.19 min

Lab File: BF108783.D

Acq: 5 Sep 2018 19:23

Instrument :

BNA\_F

ClientSampled :

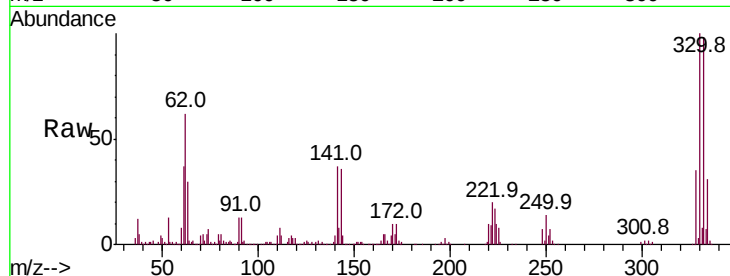
Tot Ion:198 Resp: 1259

Ion Ratio Lower Upper

198 100

51 195.1 37.7 77.7#

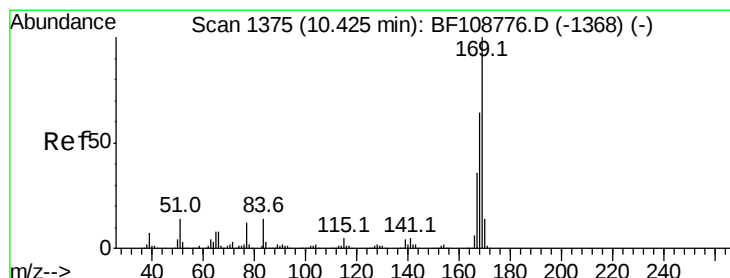
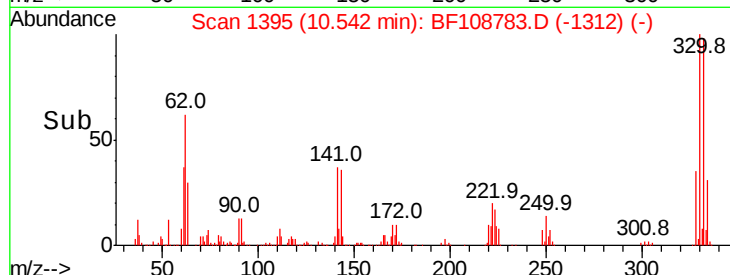
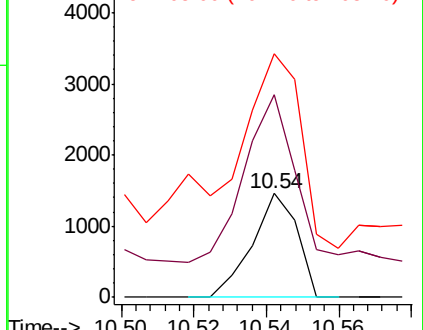
105 234.9 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#65

n-Nitrosodiphenylamine

Concen: 0.036 ng

RT: 10.41 min Scan# 1373

Delta R.T. -0.01 min

Lab File: BF108783.D

Acq: 5 Sep 2018 19:23

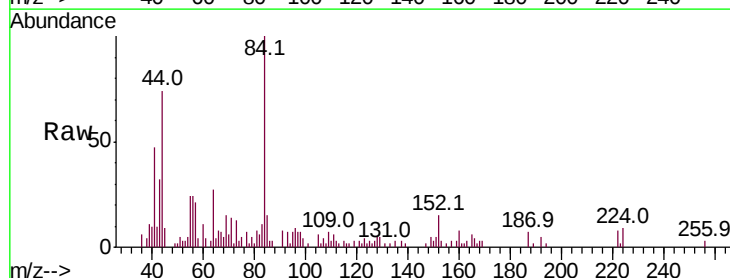
Tgt Ion:169 Resp: 1140

Ion Ratio Lower Upper

169 100

168 100.6 54.4 81.6#

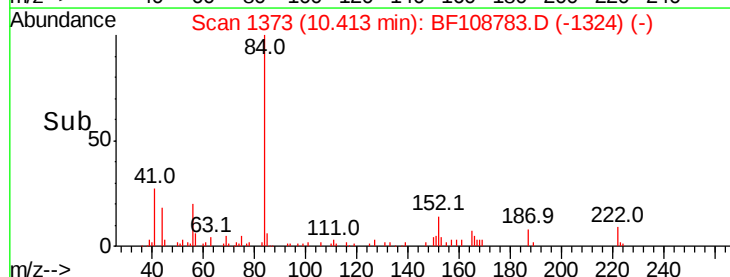
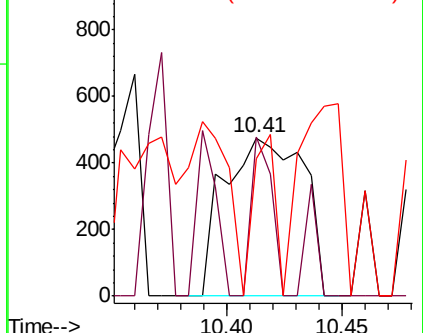
167 87.0 29.8 44.6#

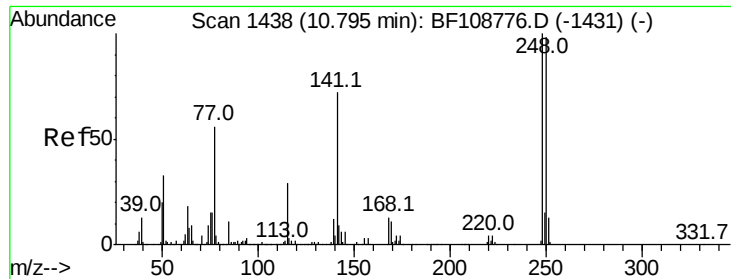


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

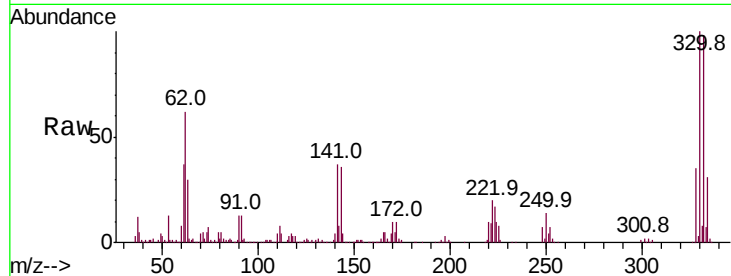




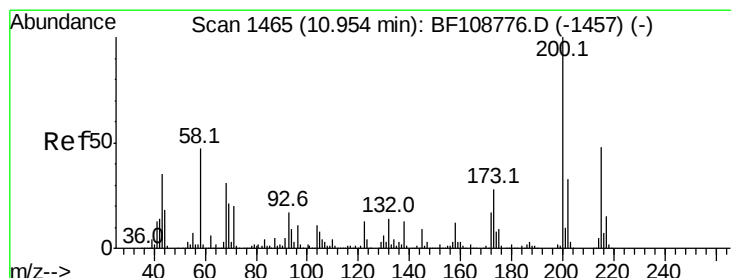
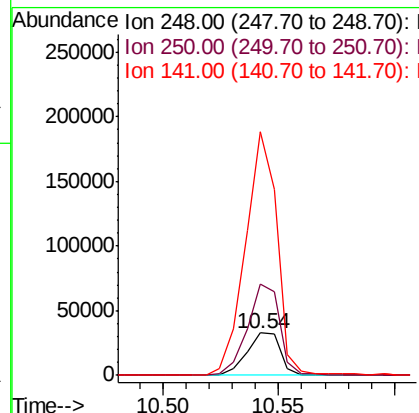
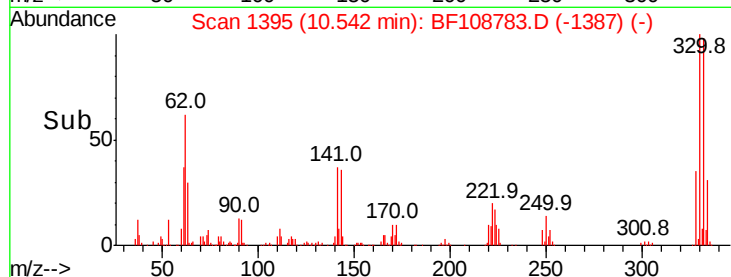
#66  
4-Bromophenyl-phenylether  
Concen: 3.108 ng  
RT: 10.54 min Scan# 1395  
Delta R.T. -0.25 min  
Lab File: BF108783.D  
Acq: 5 Sep 2018 19:23

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:248 Resp: 33133  
Ion Ratio Lower Upper  
248 100  
250 214.7 76.9 115.3#  
141 573.7 74.4 111.6#

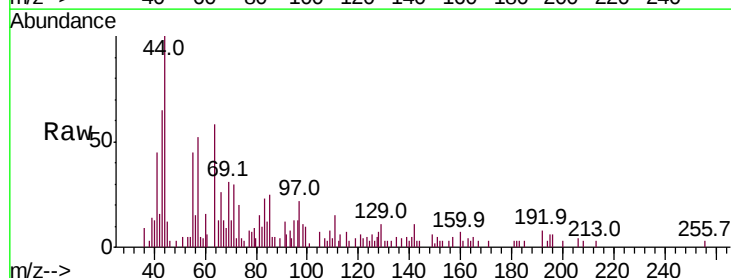


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

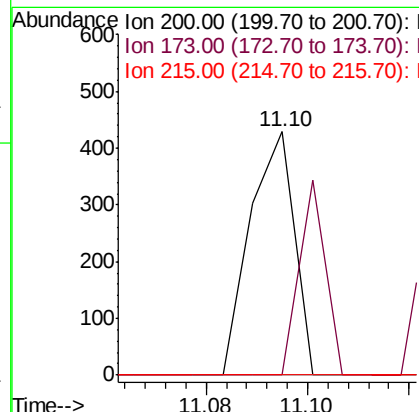
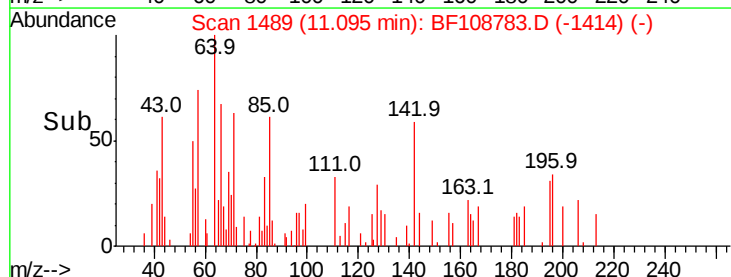


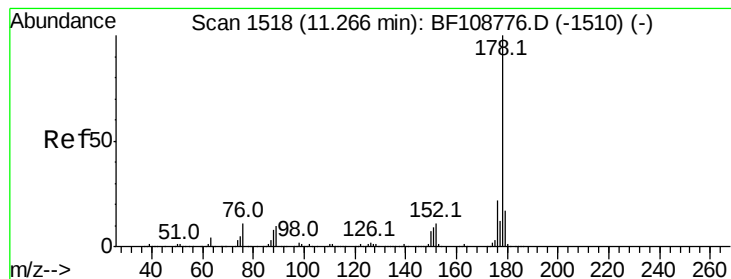
#68  
Atrazine  
Concen: 0.026 ng  
RT: 11.10 min Scan# 1489  
Delta R.T. 0.14 min  
Lab File: BF108783.D  
Acq: 5 Sep 2018 19:23

Tgt Ion:200 Resp: 258  
Ion Ratio Lower Upper  
200 100  
173 0.0 8.6 48.6#  
215 0.0 25.1 65.1#



Abundance Ion 200.00 (199.70 to 200.70): E  
Ion 173.00 (172.70 to 173.70): E  
Ion 215.00 (214.70 to 215.70): E





#70

Phenanthrene

Concen: 1.061 ng

RT: 11.26 min Scan# 1517

Delta R.T. -0.01 min

Lab File: BF108783.D

Acq: 5 Sep 2018 19:23

Instrument :

BNA\_F

ClientSampleId :

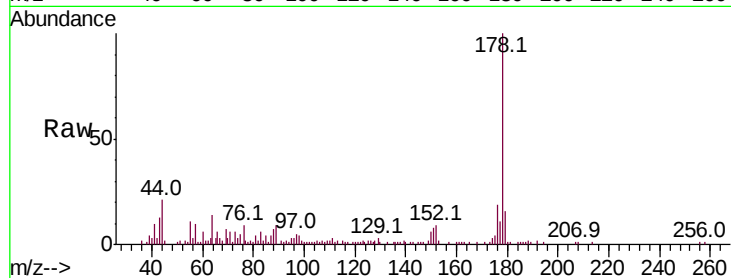
Tot Ion:178 Resp: 47811

Ion Ratio Lower Upper

178 100

176 18.8 15.8 23.8

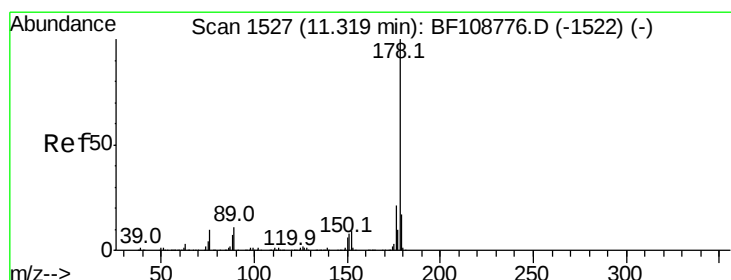
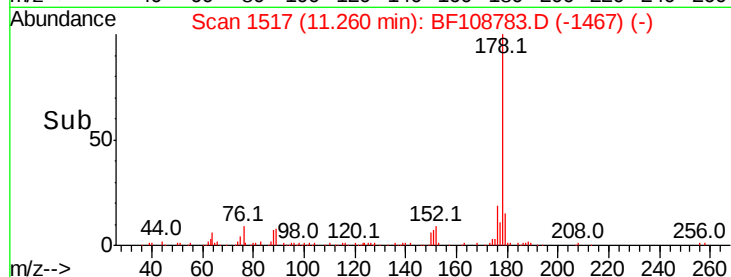
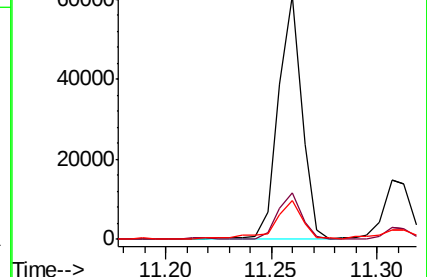
179 15.7 13.0 19.6



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: 0.301 ng

RT: 11.31 min Scan# 1525

Delta R.T. -0.01 min

Lab File: BF108783.D

Acq: 5 Sep 2018 19:23

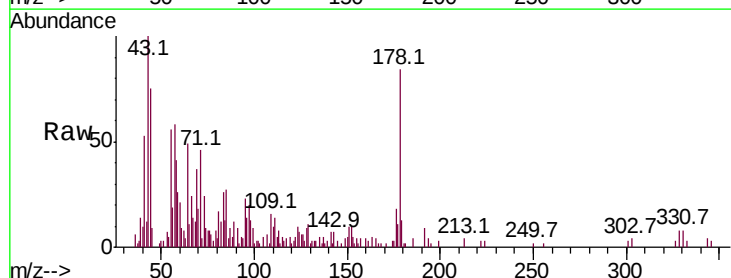
Tgt Ion:178 Resp: 12974

Ion Ratio Lower Upper

178 100

176 21.2 15.4 23.2

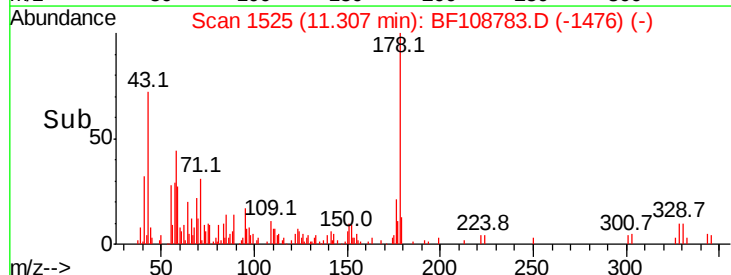
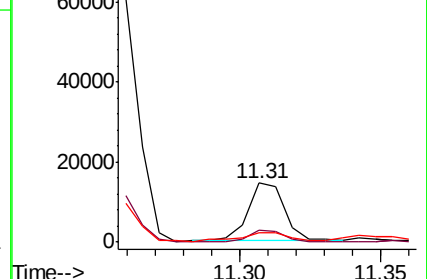
179 15.9 12.6 19.0

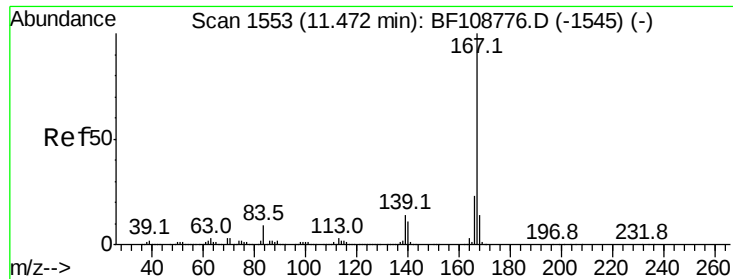


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

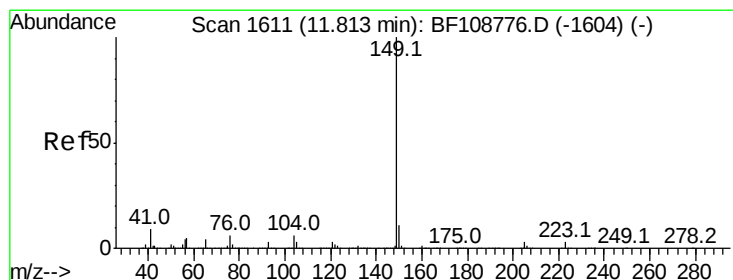
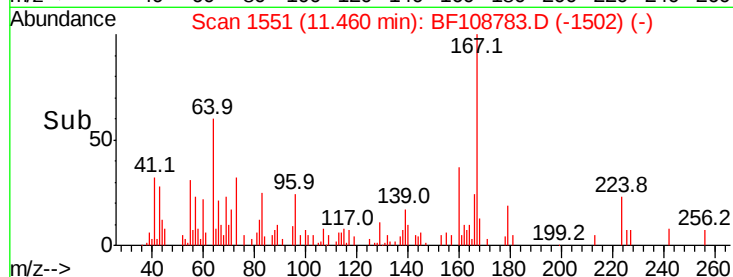
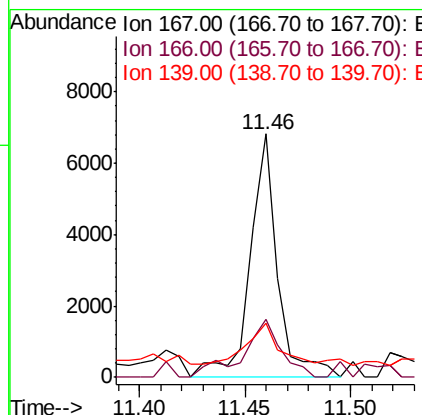
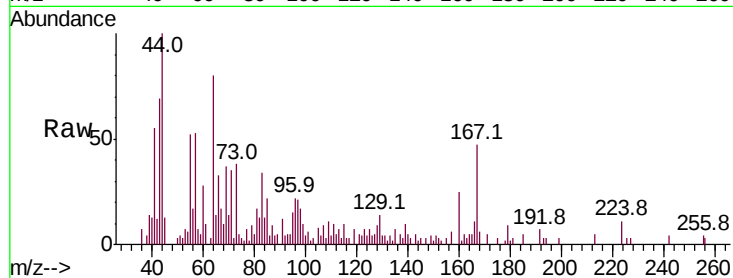




#72  
 Carbazole  
 Concen: 0.136 ng  
 RT: 11.46 min Scan# 1551  
 Delta R.T. -0.01 min  
 Lab File: BF108783.D  
 Acq: 5 Sep 2018 19:23

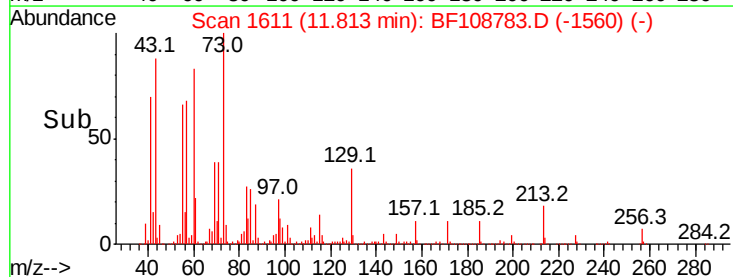
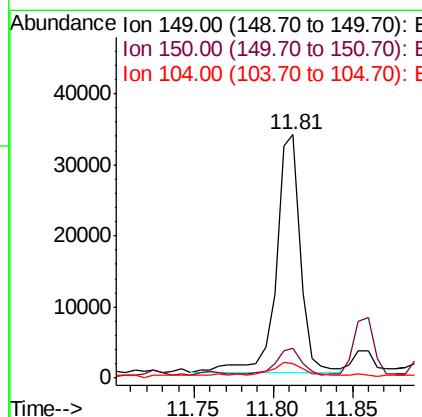
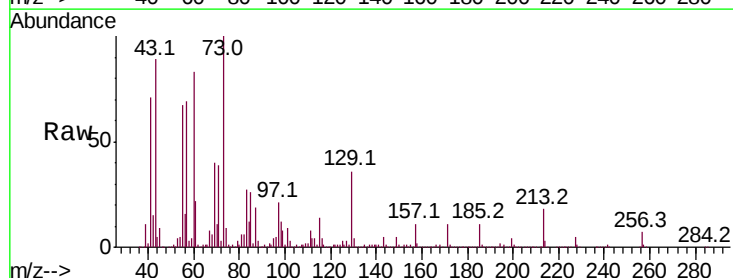
Instrument :  
 BNA\_F  
 ClientSampled :

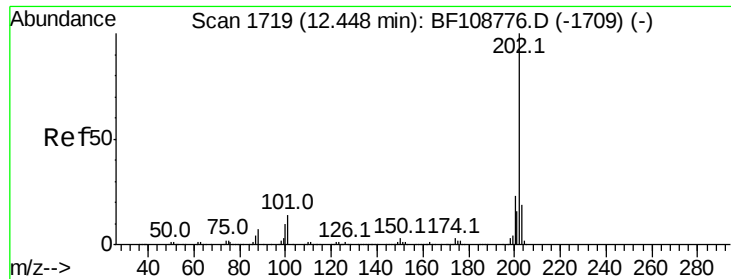
Tot Ion:167 Resp: 6198  
 Ion Ratio Lower Upper  
 167 100  
 166 24.0 17.6 26.4  
 139 22.1 10.9 16.3#



#73  
 Di-n-butylphthalate  
 Concen: 0.713 ng  
 RT: 11.81 min Scan# 1611  
 Delta R.T. -0.00 min  
 Lab File: BF108783.D  
 Acq: 5 Sep 2018 19:23

Tgt Ion:149 Resp: 35960  
 Ion Ratio Lower Upper  
 149 100  
 150 12.3 7.8 11.6#  
 104 6.0 3.8 5.8#

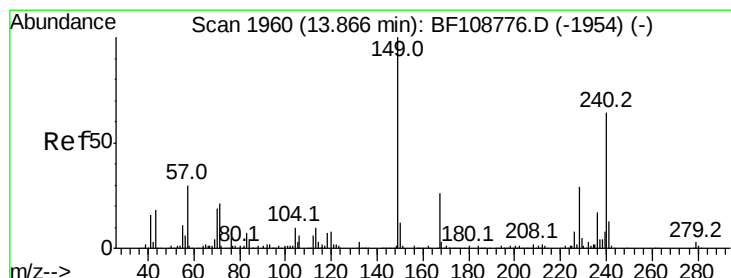
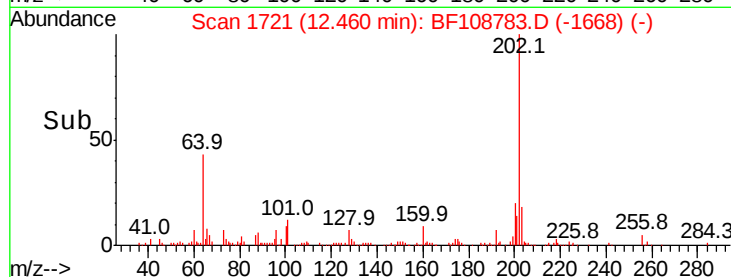
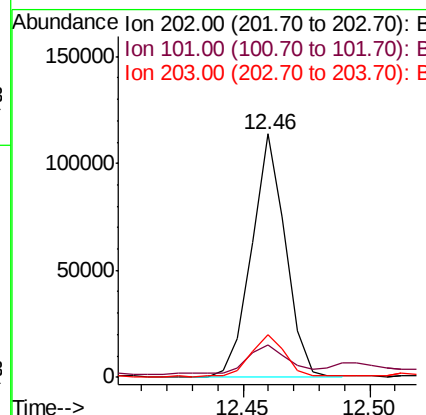
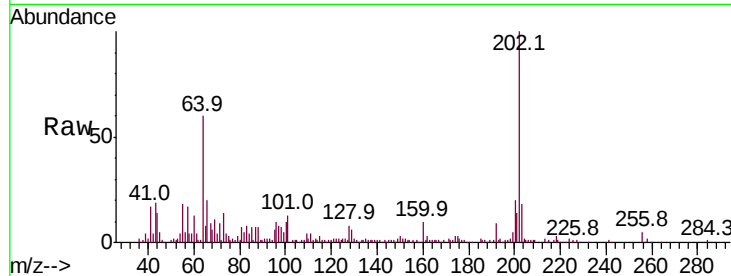




#74  
Fluoranthene  
Concen: 2.332 ng  
RT: 12.46 min Scan# 1721  
Delta R.T. 0.01 min  
Lab File: BF108783.D  
Acq: 5 Sep 2018 19:23

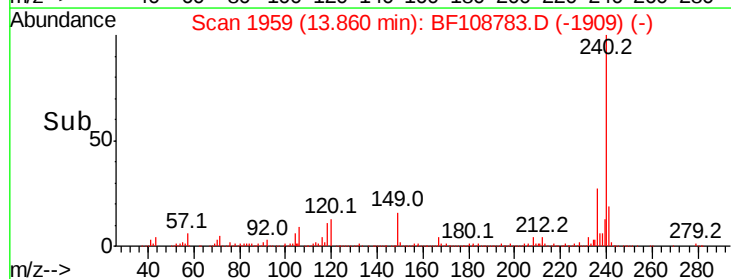
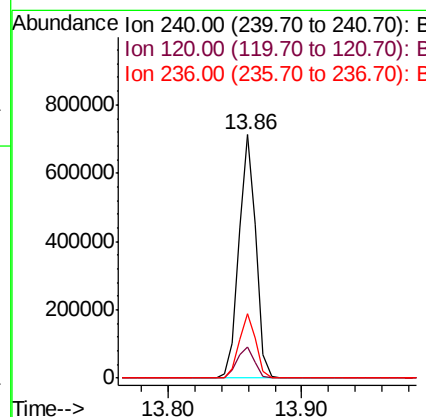
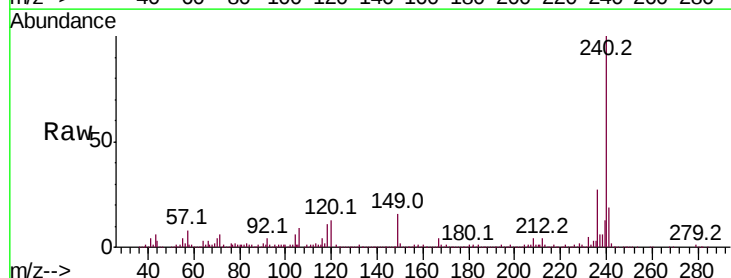
Instrument :  
BNA\_F  
ClientSampleId :

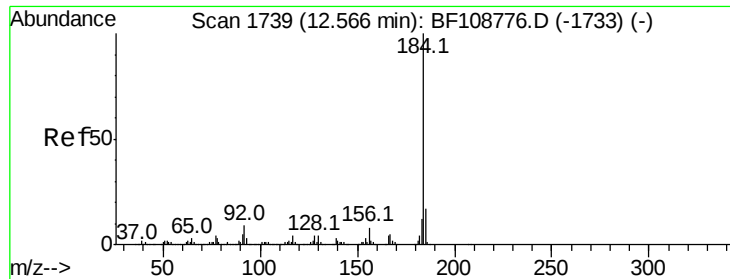
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 202     | 100   | 104049 |       |       |
| 101     | 13.1  | 0.0    | 34.1  |       |
| 203     | 17.8  | 0.0    | 38.1  |       |



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.86 min Scan# 1959  
Delta R.T. -0.01 min  
Lab File: BF108783.D  
Acq: 5 Sep 2018 19:23

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 240     | 100   | 635116 |       |       |
| 120     | 12.9  | 9.5    | 14.3  |       |
| 236     | 26.6  | 20.7   | 31.1  |       |





#76

Benzidine

Concen: 0.393 ng

RT: 12.55 min Scan# 1736

Delta R.T. -0.02 min

Lab File: BF108783.D

Acq: 5 Sep 2018 19:23

Instrument :

BNA\_F

ClientSampleId :

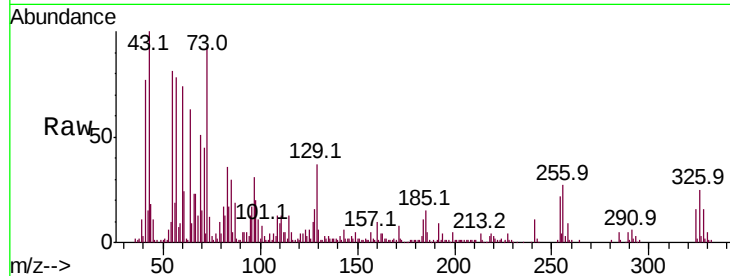
Tot Ion:184 Resp: 11828

Ion Ratio Lower Upper

184 100

185 132.4 12.6 18.8#

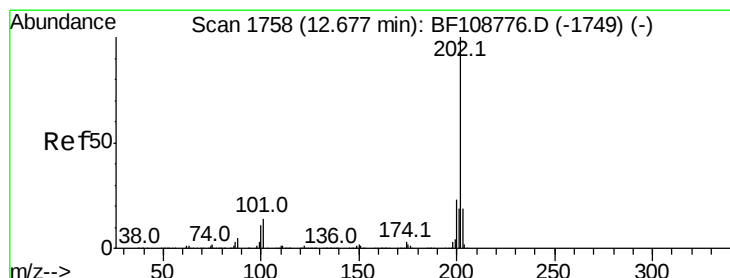
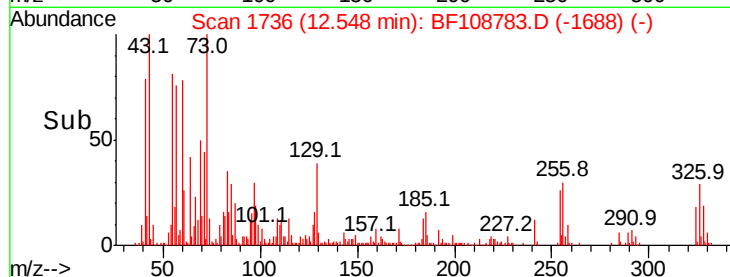
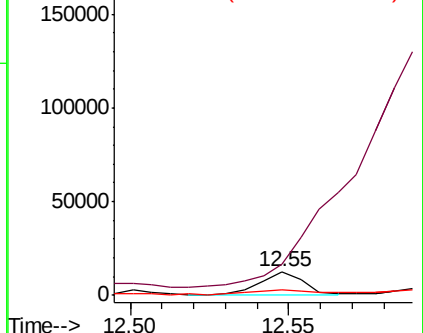
183 25.0 9.3 13.9#



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

Pyrene

Concen: 2.034 ng

RT: 12.67 min Scan# 1757

Delta R.T. -0.01 min

Lab File: BF108783.D

Acq: 5 Sep 2018 19:23

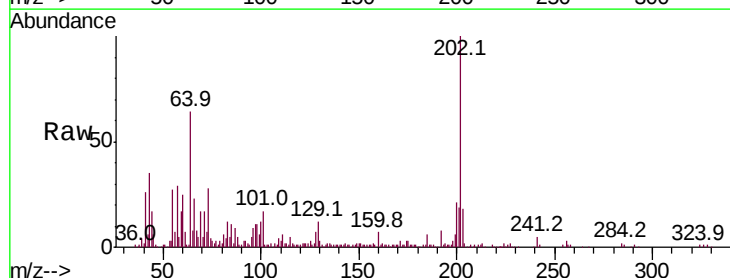
Tgt Ion:202 Resp: 99400

Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.2

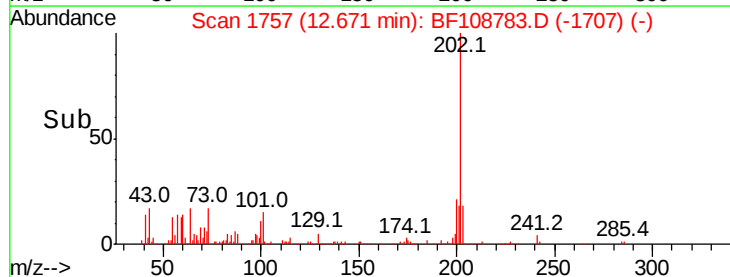
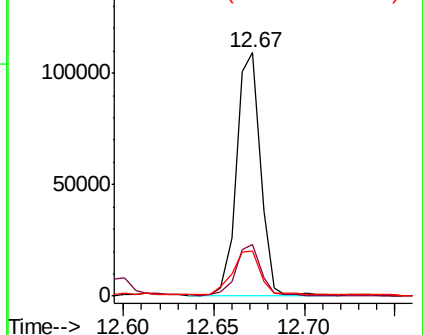
203 18.3 14.3 21.5

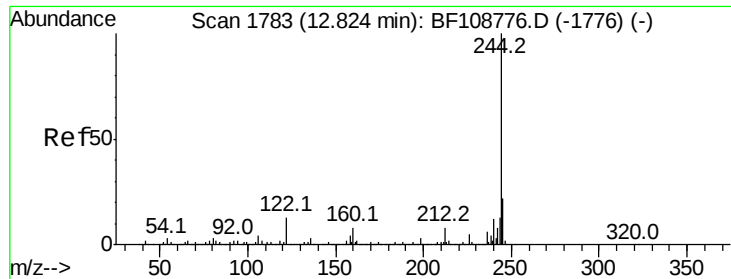


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 70.712 ng

RT: 12.82 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BF108783.D

Acq: 5 Sep 2018 19:23

Instrument :

BNA\_F

ClientSampled :

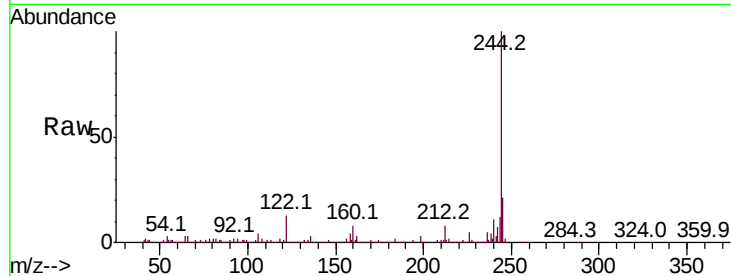
Tot Ion:244 Resp: 1925915

Ion Ratio Lower Upper

244 100

212 7.6 5.4 8.0

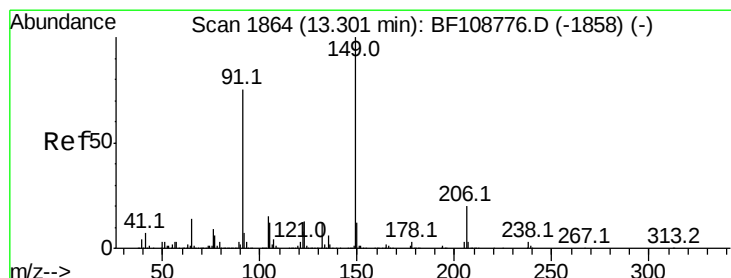
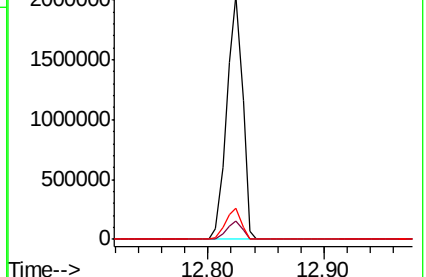
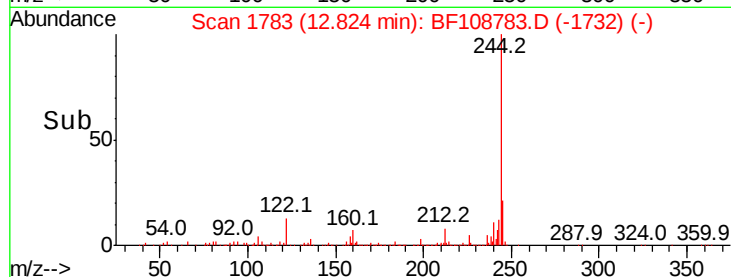
122 12.8 11.0 16.4



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: 0.060 ng

RT: 13.24 min Scan# 1854

Delta R.T. -0.06 min

Lab File: BF108783.D

Acq: 5 Sep 2018 19:23

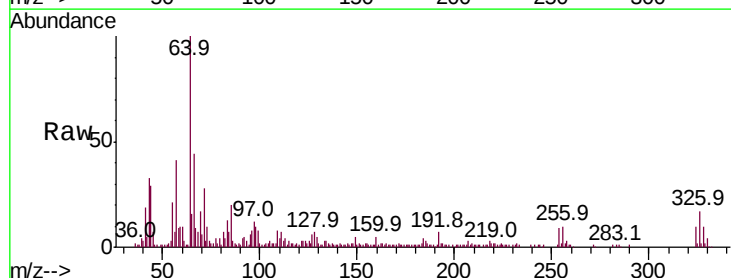
Tgt Ion:149 Resp: 1312

Ion Ratio Lower Upper

149 100

91 77.2 56.8 85.2

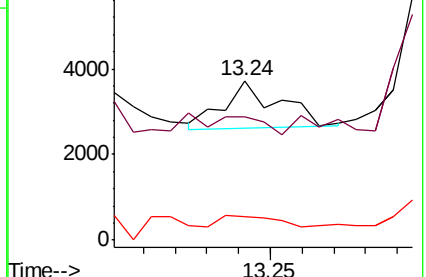
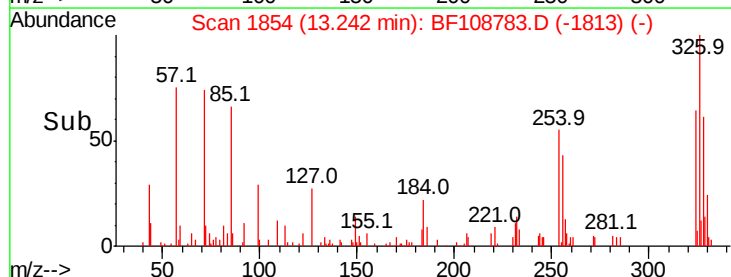
206 14.3 14.1 21.1

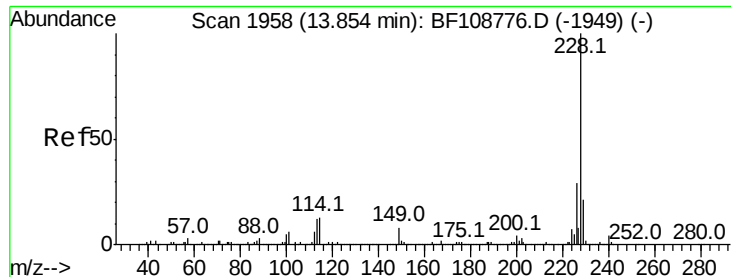


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E

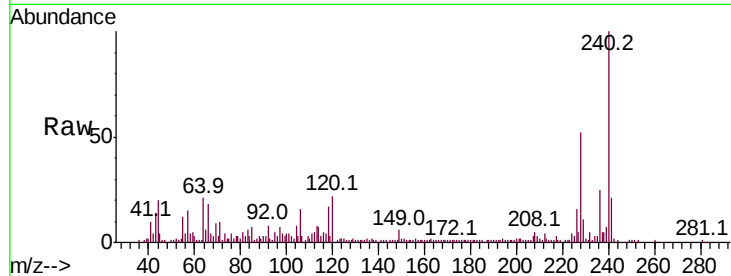




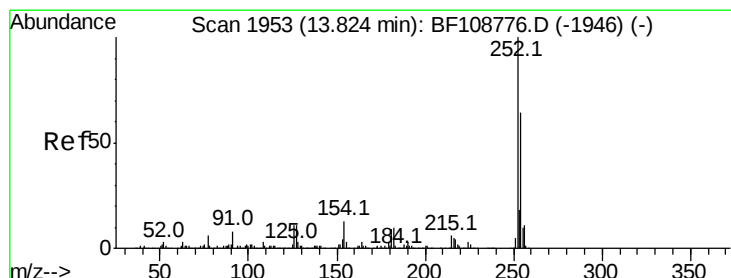
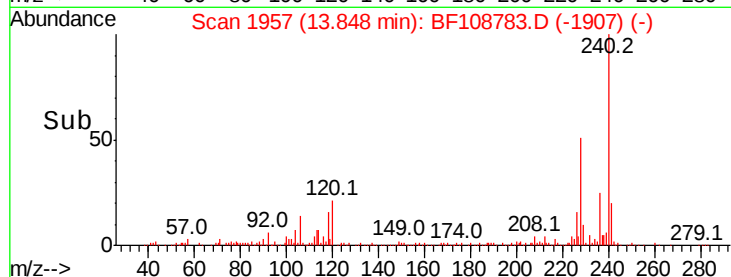
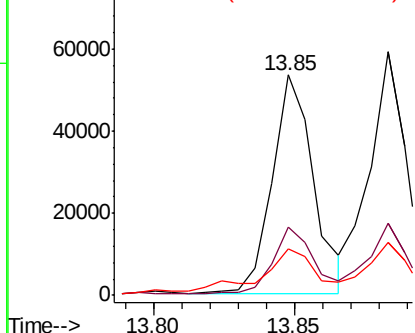
#80  
Benzo(a)anthracene  
Concen: 1.328 ng  
RT: 13.85 min Scan# 1957  
Delta R.T. -0.01 min  
Lab File: BF108783.D  
Acq: 5 Sep 2018 19:23

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:228 Resp: 54044  
Ion Ratio Lower Upper  
228 100  
226 31.2 22.6 33.8  
229 21.0 15.8 23.6

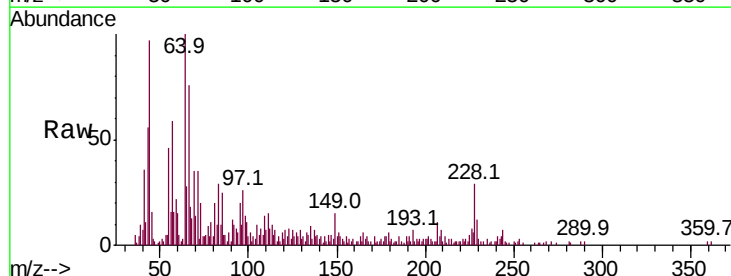


Abundance Ion 228.00 (227.70 to 228.70): E  
Ion 226.00 (225.70 to 226.70): E  
Ion 229.00 (228.70 to 229.70): E

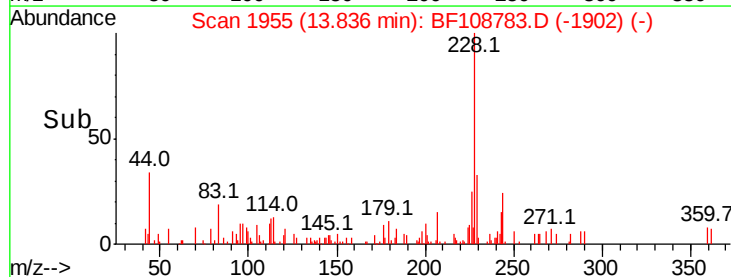
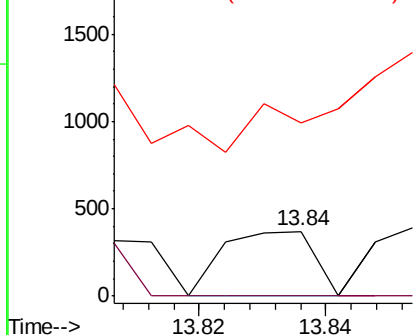


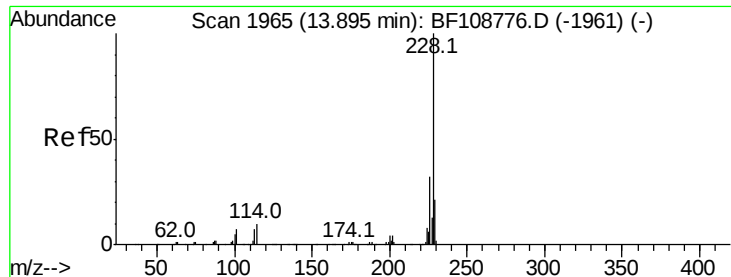
#81  
3,3'-Dichlorobenzidine  
Concen: 0.023 ng  
RT: 13.84 min Scan# 1955  
Delta R.T. 0.01 min  
Lab File: BF108783.D  
Acq: 5 Sep 2018 19:23

Tgt Ion:252 Resp: 369  
Ion Ratio Lower Upper  
252 100  
254 0.0 50.4 75.6#  
126 267.7 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

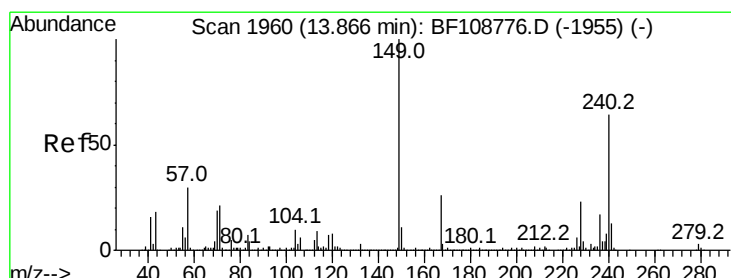
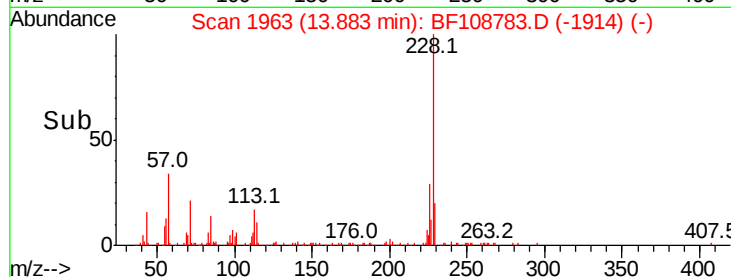
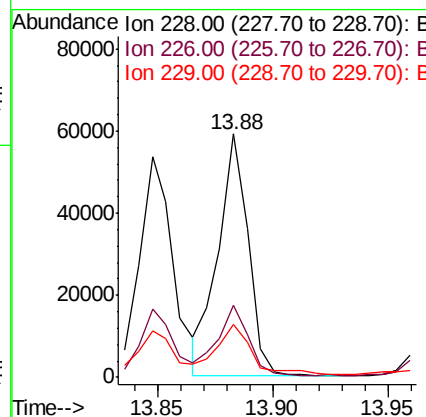
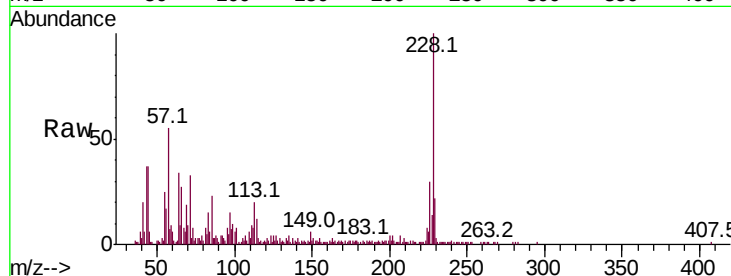




#82  
Chrysene  
Concen: 1.340 ng  
RT: 13.88 min Scan# 1963  
Delta R.T. -0.01 min  
Lab File: BF108783.D  
Acq: 5 Sep 2018 19:23

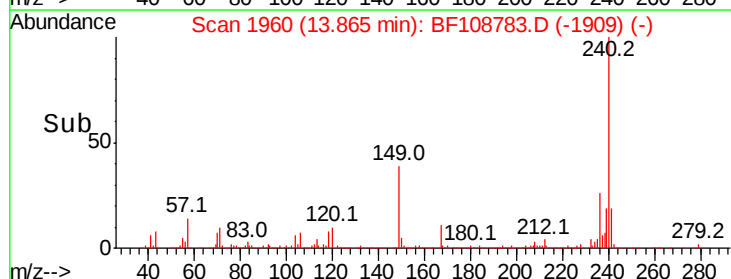
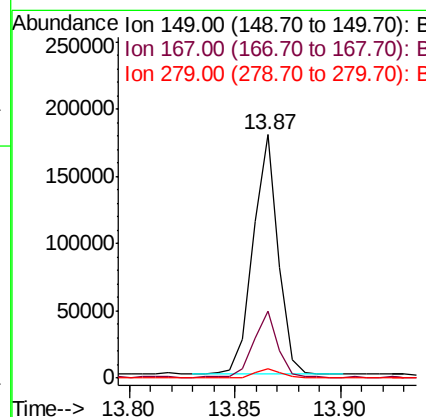
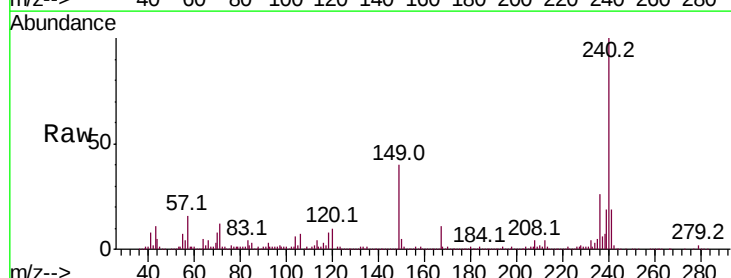
Instrument :  
BNA\_F  
ClientSampleId :

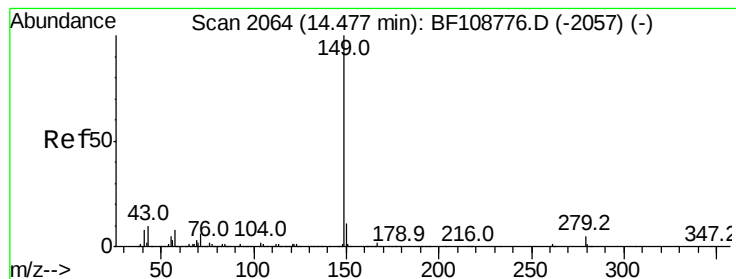
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 29.6  | 25.0  | 37.6  |
| 229     | 21.7  | 16.2  | 24.4  |



#83  
Bis(2-ethylhexyl)phthalate  
Concen: 5.298 ng  
RT: 13.87 min Scan# 1960  
Delta R.T. -0.00 min  
Lab File: BF108783.D  
Acq: 5 Sep 2018 19:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 27.4  | 21.3  | 31.9  |
| 279     | 3.8   | 3.0   | 4.4   |





#84

Di-n-octyl phthalate

Concen: 0.079 ng

RT: 14.48 min Scan# 2064

Delta R.T. -0.00 min

Lab File: BF108783.D

Acq: 5 Sep 2018 19:23

Instrument :

BNA\_F

ClientSampleId :

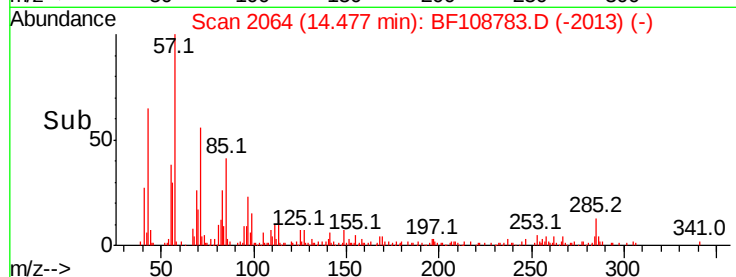
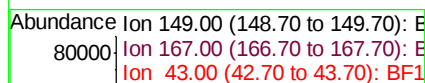
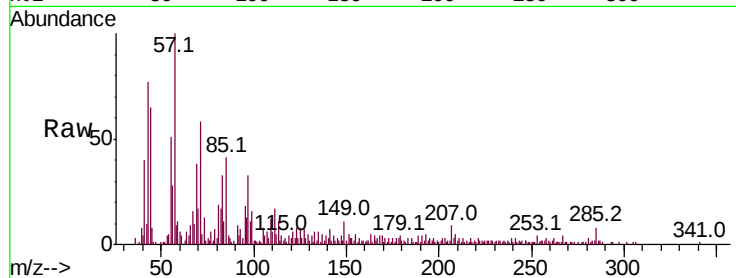
Tot Ion:149 Resp: 3642

Ion Ratio Lower Upper

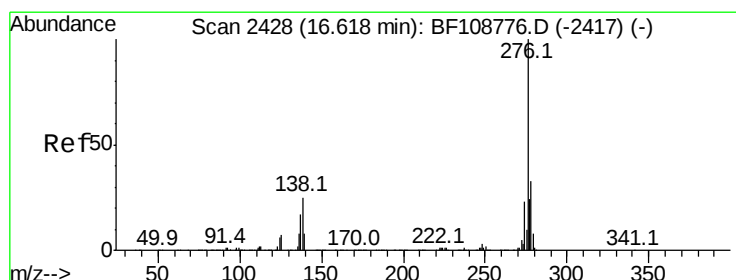
149 100

167 24.2 1.2 1.8#

43 0.0 8.4 12.6#



Time-->



#85

Indeno(1,2,3-cd)pyrene

Concen: 1.169 ng

RT: 16.60 min Scan# 2425

Delta R.T. -0.02 min

Lab File: BF108783.D

Acq: 5 Sep 2018 19:23

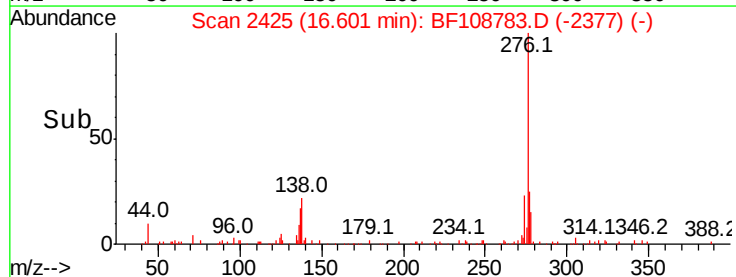
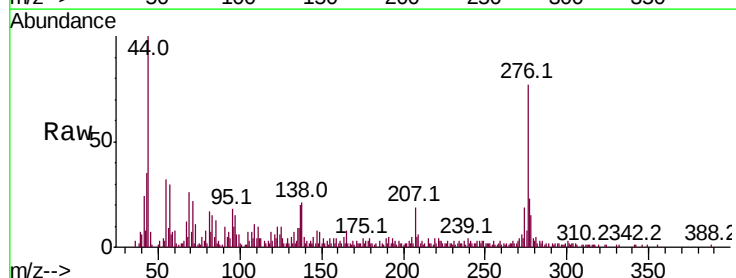
Tgt Ion:276 Resp: 40777

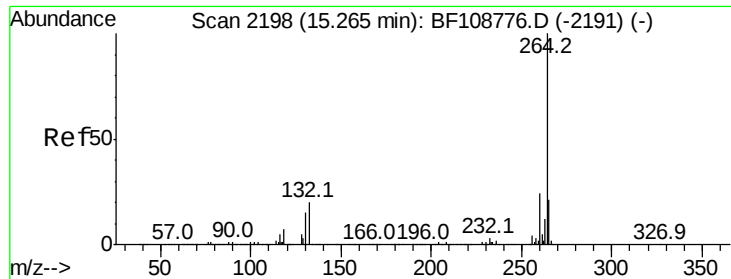
Ion Ratio Lower Upper

276 100

138 26.2 25.0 37.6

277 25.1 20.1 30.1

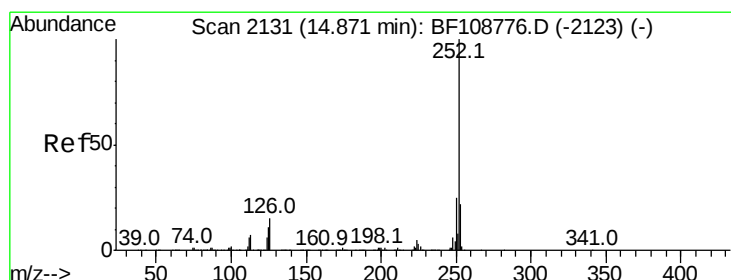
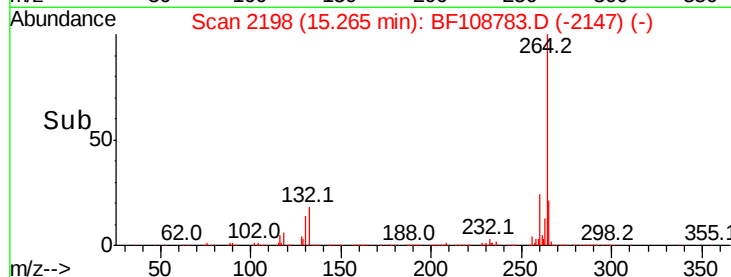
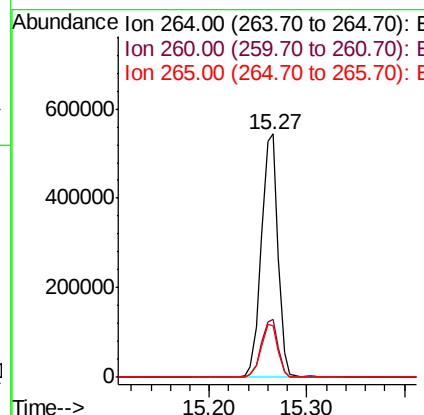
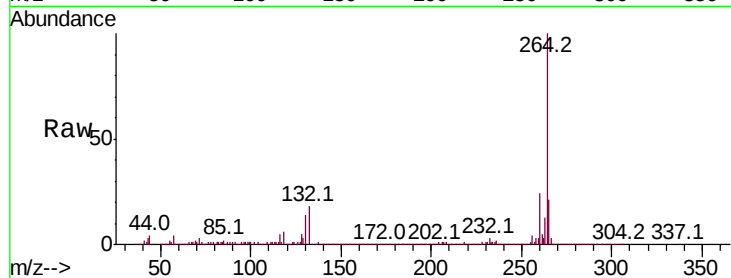




#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.27 min Scan# 2198  
Delta R.T. -0.00 min  
Lab File: BF108783.D  
Acq: 5 Sep 2018 19:23

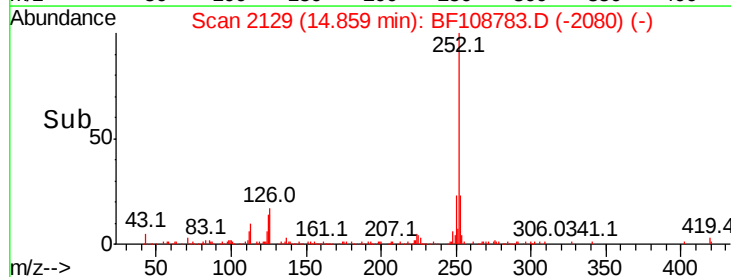
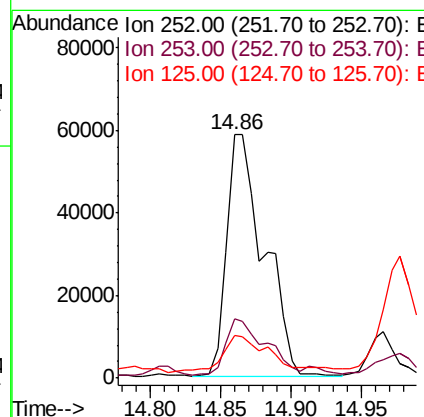
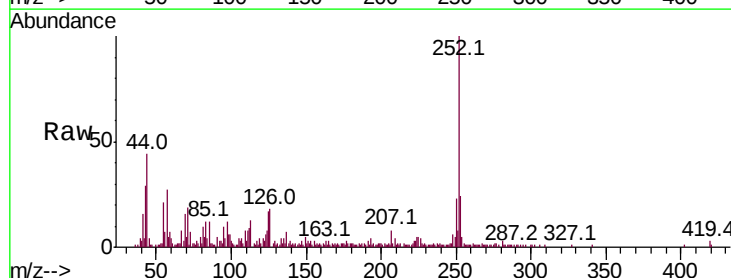
Instrument :  
BNA\_F  
ClientSampleId :

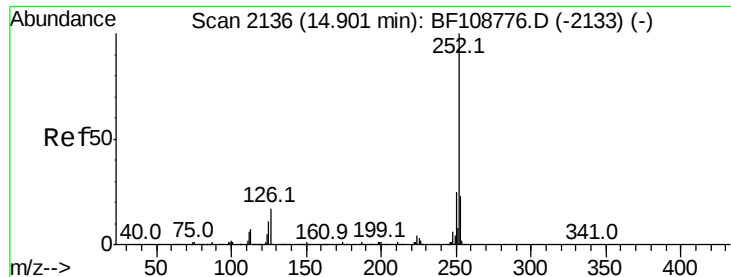
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.9  | 19.2  | 28.8  |
| 265     | 21.2  | 17.5  | 26.3  |



#87  
Benzo(b)fluoranthene  
Concen: 3.032 ng  
RT: 14.86 min Scan# 2129  
Delta R.T. -0.01 min  
Lab File: BF108783.D  
Acq: 5 Sep 2018 19:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.4  | 17.0  | 25.6  |
| 125     | 17.3  | 9.0   | 13.6  |





#88

Benzo(k)fluoranthene

Concen: 3.292 ng

RT: 14.86 min Scan# 2129

Delta R.T. -0.04 min

Lab File: BF108783.D

Acq: 5 Sep 2018 19:23

Instrument :

BNA\_F

ClientSampleId :

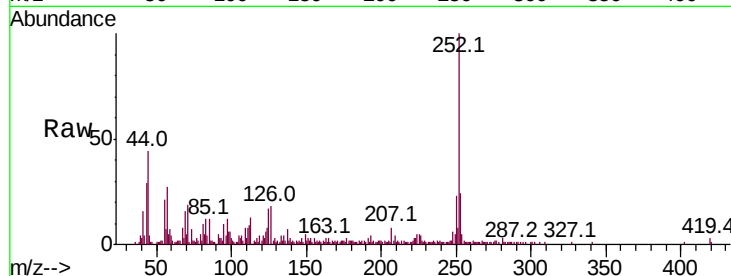
Tot Ion:252 Resp: 109125

Ion Ratio Lower Upper

252 100

253 24.4 17.9 26.9

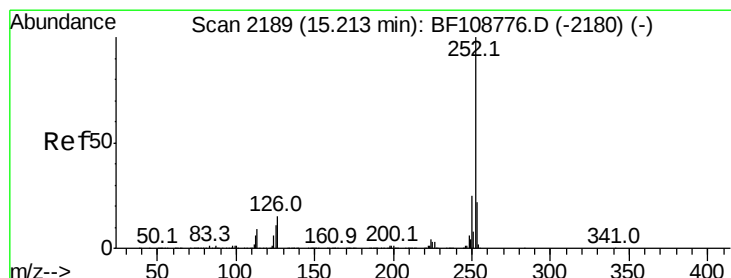
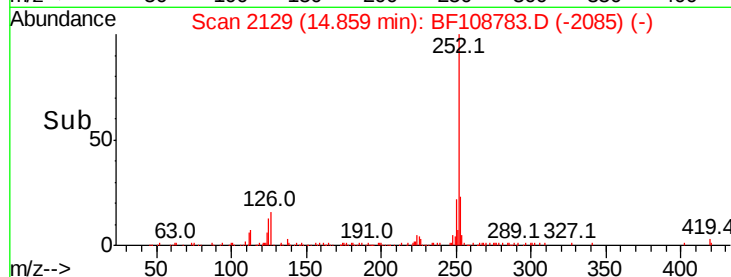
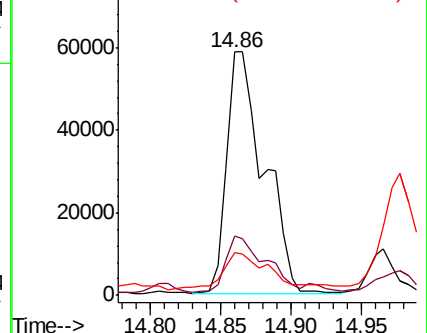
125 17.3 10.2 15.2#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 1.849 ng

RT: 15.20 min Scan# 2187

Delta R.T. -0.01 min

Lab File: BF108783.D

Acq: 5 Sep 2018 19:23

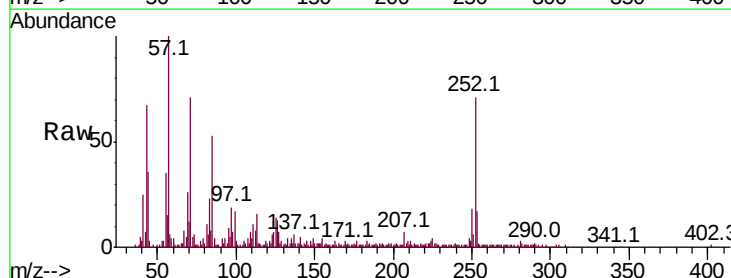
Tgt Ion:252 Resp: 60047

Ion Ratio Lower Upper

252 100

253 24.6 17.1 25.7

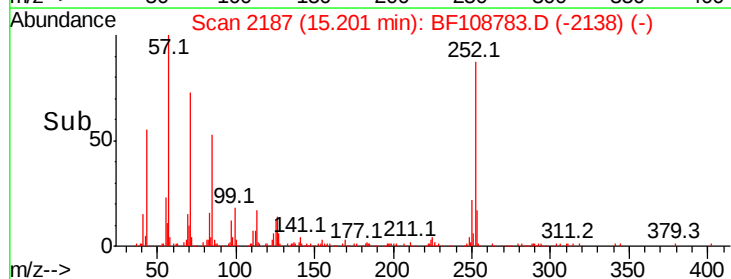
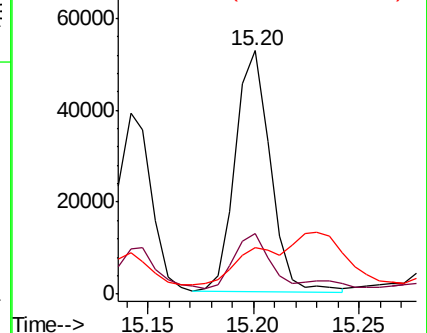
125 19.1 9.8 14.6#

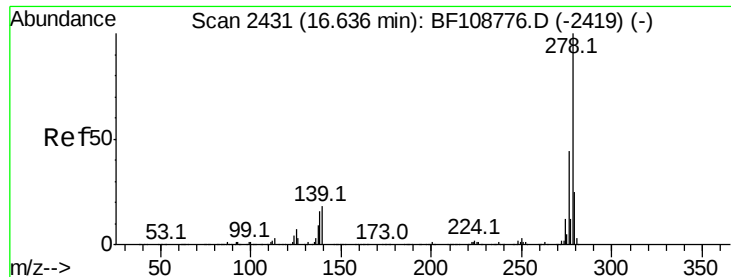


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 0.442 ng

RT: 16.62 min Scan# 2428

Delta R.T. -0.02 min

Lab File: BF108783.D

Acq: 5 Sep 2018 19:23

Instrument :

BNA\_F

ClientSampleId :

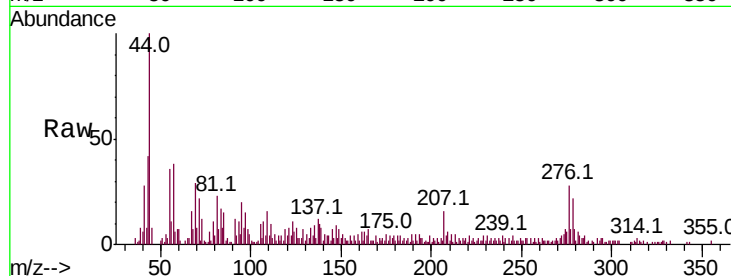
Tot Ion:278 Resp: 12638

Ion Ratio Lower Upper

278 100

139 35.7 15.9 23.9#

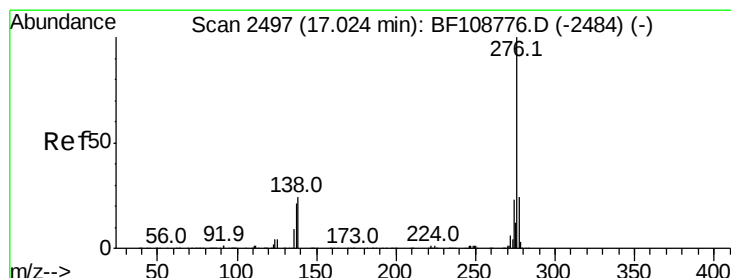
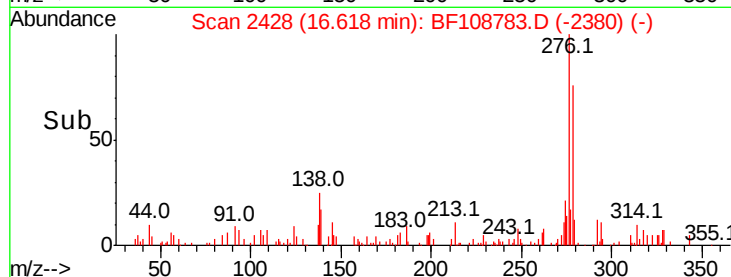
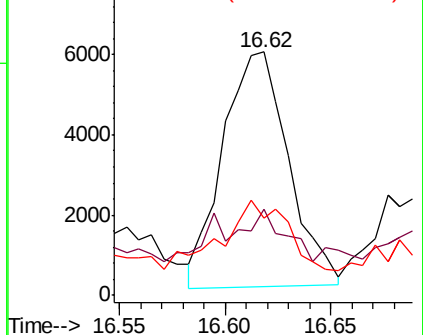
279 31.9 19.0 28.4#



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(g,h,i)perylene

Concen: 1.584 ng

RT: 17.00 min Scan# 2493

Delta R.T. -0.02 min

Lab File: BF108783.D

Acq: 5 Sep 2018 19:23

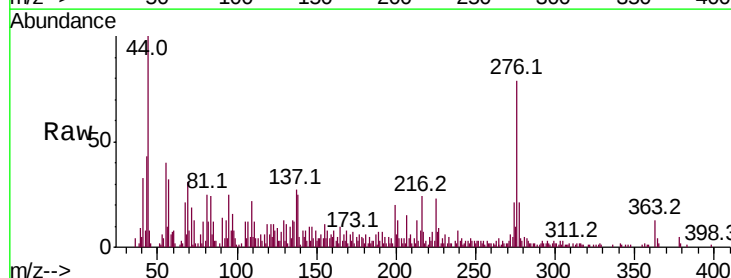
Tgt Ion:276 Resp: 45370

Ion Ratio Lower Upper

276 100

277 25.9 17.9 26.9

138 31.6 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

