

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091118\  
 Data File : BF108935.D  
 Acq On : 11 Sep 2018 15:14  
 Operator : JU/SJ  
 Sample : J4825-18MSD  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Sep 11 16:31:31 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  | 176507   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.02  | 136  | 690568   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.77  | 164  | 327032   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.25 | 188  | 589726   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 13.88 | 240  | 363631   | 20.00 | ng    | 0.01     |
| 86) Perylene-d12          | 15.28 | 264  | 445718   | 20.00 | ng    | 0.02     |

## System Monitoring Compounds

|                          |       |     |         |       |    |      |
|--------------------------|-------|-----|---------|-------|----|------|
| 5) 2-Fluorophenol        | 5.35  | 112 | 718650  | 67.45 | ng | 0.01 |
| 7) Phenol-d6             | 6.37  | 99  | 929975  | 67.84 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.30  | 82  | 582481  | 52.79 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.55 | 330 | 225480  | 72.22 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 9.10  | 172 | 1062981 | 55.45 | ng | 0.00 |
| 78) Terphenyl-d14        | 12.83 | 244 | 886589  | 56.86 | ng | 0.00 |

## Target Compounds

|                                |      |     |        |        |    | Qvalue |
|--------------------------------|------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.45 | 88  | 95860  | 18.721 | ng | 94     |
| 3) Pyridine                    | 3.17 | 79  | 268098 | 19.119 | ng | 90     |
| 4) n-Nitrosodimethylamine      | 3.08 | 42  | 125085 | 23.225 | ng | 91     |
| 6) Aniline                     | 6.40 | 93  | 268094 | 14.541 | ng | 97     |
| 8) 2-Chlorophenol              | 6.52 | 128 | 271755 | 23.044 | ng | 93     |
| 9) Benzaldehyde                | 6.28 | 77  | 138877 | 14.280 | ng | 99     |
| 10) Phenol                     | 6.38 | 94  | 347038 | 22.103 | ng | 97     |
| 11) bis(2-Chloroethyl)ether    | 6.47 | 93  | 268278 | 21.329 | ng | 96     |
| 12) 1,3-Dichlorobenzene        | 6.68 | 146 | 295448 | 21.954 | ng | 98     |
| 13) 1,4-Dichlorobenzene        | 6.75 | 146 | 297714 | 22.122 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 6.91 | 146 | 286145 | 23.067 | ng | 99     |
| 15) Benzyl Alcohol             | 6.88 | 79  | 242399 | 23.041 | ng | 98     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.02 | 45  | 398961 | 21.219 | ng | 96     |
| 17) 2-Methylphenol             | 7.00 | 107 | 221941 | 22.269 | ng | 99     |
| 18) Hexachloroethane           | 7.25 | 117 | 108847 | 22.431 | ng | 97     |
| 19) n-Nitroso-di-n-propylamine | 7.15 | 70  | 193570 | 20.314 | ng | 98     |
| 20) 3+4-Methylphenols          | 7.14 | 107 | 269339 | 23.070 | ng | # 56   |
| 22) Acetophenone               | 7.14 | 105 | 365049 | 23.292 | ng | # 94   |
| 24) Nitrobenzene               | 7.31 | 77  | 289616 | 24.461 | ng | 98     |
| 25) Isophorone                 | 7.55 | 82  | 529208 | 24.043 | ng | 96     |
| 26) 2-Nitrophenol              | 7.64 | 139 | 135062 | 28.955 | ng | 95     |
| 27) 2,4-Dimethylphenol         | 7.68 | 122 | 242376 | 25.588 | ng | 98     |
| 28) bis(2-Chloroethoxy)methane | 7.77 | 93  | 340098 | 23.111 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 7.88 | 162 | 226023 | 23.141 | ng | 97     |
| 30) 1,2,4-Trichlorobenzene     | 7.97 | 180 | 234726 | 22.175 | ng | 97     |
| 31) Naphthalene                | 8.04 | 128 | 790030 | 25.428 | ng | 99     |
| 32) Benzoic acid               | 7.68 | 122 | 242376 | 40.532 | ng | # 14   |
| 33) 4-Chloroaniline            | 8.08 | 127 | 199417 | 13.975 | ng | 100    |
| 34) Hexachlorobutadiene        | 8.17 | 225 | 140646 | 22.242 | ng | 99     |
| 35) Caprolactam                | 8.44 | 113 | 69434  | 20.979 | ng | # 81   |
| 36) 4-Chloro-3-methylphenol    | 8.57 | 107 | 234743 | 22.561 | ng | 98     |
| 37) 2-Methylnaphthalene        | 8.73 | 142 | 527028 | 25.677 | ng | 99     |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.90 | 216 | 225789 | 23.096 | ng | 98     |
| 40) Hexachlorocyclopentadiene  | 8.90 | 237 | 245438 | 49.905 | ng | 97     |

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 Sample : J4825-18MSD  
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 ALS Vial : 10 Sample Multiplier: 1

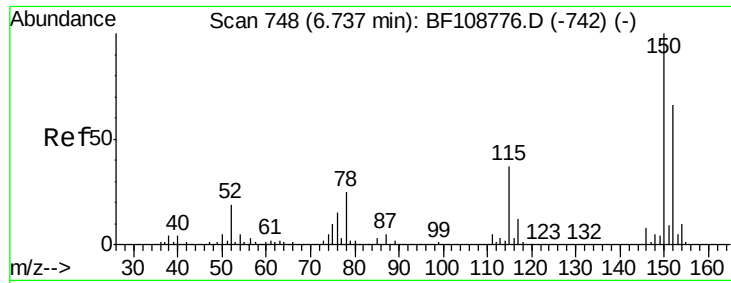
Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Sep 11 16:31:31 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) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.01  | 196  | 155915   | 23.415 | nq    | 99       |
| 43) 2,4,5-Trichlorophenol      | 9.05  | 196  | 167607   | 24.283 | nq    | 94       |
| 45) 1,1'-Biphenyl              | 9.20  | 154  | 616924   | 24.503 | nq    | 98       |
| 46) 2-Chloronaphthalene        | 9.22  | 162  | 475328   | 23.344 | nq    | 97       |
| 47) 2-Nitroaniline             | 9.31  | 65   | 147534   | 26.523 | nq    | 97       |
| 48) Acenaphthylene             | 9.63  | 152  | 779786   | 25.692 | nq    | 99       |
| 49) Dimethylphthalate          | 9.50  | 163  | 739870   | 32.346 | nq    | 99       |
| 50) 2,6-Dinitrotoluene         | 9.55  | 165  | 121081   | 27.780 | nq    | 95       |
| 51) Acenaphthene               | 9.80  | 154  | 463671   | 24.687 | nq    | 97       |
| 52) 3-Nitroaniline             | 9.71  | 138  | 104076   | 20.060 | nq    | 96       |
| 53) 2,4-Dinitrophenol          | 9.82  | 184  | 34809    | 28.513 | nq #  | 22       |
| 54) Dibenzofuran               | 9.97  | 168  | 663433   | 24.232 | nq    | 98       |
| 55) 4-Nitrophenol              | 9.88  | 139  | 179713   | 46.333 | nq    | 96       |
| 56) 2,4-Dinitrotoluene         | 9.95  | 165  | 156220   | 28.027 | nq #  | 89       |
| 57) Fluorene                   | 10.31 | 166  | 489037   | 27.835 | nq    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.10 | 232  | 128876   | 23.154 | nq #  | 89       |
| 59) Diethylphthalate           | 10.20 | 149  | 544657   | 23.074 | nq    | 96       |
| 60) 4-Chlorophenyl-phenylether | 10.31 | 204  | 234807   | 25.024 | nq    | 95       |
| 61) 4-Nitroaniline             | 10.32 | 138  | 106267   | 22.609 | nq    | 98       |
| 62) Azobenzene                 | 10.47 | 77   | 555229   | 22.787 | nq    | 92       |
| 64) 4,6-Dinitro-2-methylphenol | 10.36 | 198  | 34520    | 19.624 | nq    | 78       |
| 65) n-Nitrosodiphenylamine     | 10.42 | 169  | 465034   | 23.718 | nq    | 96       |
| 66) 4-Bromophenyl-phenylether  | 10.80 | 248  | 153992   | 23.119 | nq    | 90       |
| 67) Hexachlorobenzene          | 10.87 | 284  | 165005   | 23.207 | nq #  | 91       |
| 68) Atrazine                   | 10.95 | 200  | 145487   | 23.179 | nq    | 97       |
| 69) Pentachlorophenol          | 11.05 | 266  | 132696   | 30.525 | nq    | 99       |
| 70) Phenanthrene               | 11.27 | 178  | 822217   | 29.196 | nq    | 99       |
| 71) Anthracene                 | 11.32 | 178  | 764711   | 28.361 | nq    | 99       |
| 72) Carbazole                  | 11.47 | 167  | 637756   | 22.459 | nq    | 99       |
| 73) Di-n-butylphthalate        | 11.82 | 149  | 823446   | 26.113 | nq    | 98       |
| 74) Fluoranthene               | 12.45 | 202  | 840006   | 30.126 | nq    | 98       |
| 76) Benzidine                  | 12.57 | 184  | 257201   | 14.923 | nq    | 99       |
| 77) Pyrene                     | 12.68 | 202  | 814515   | 29.110 | nq    | 100      |
| 79) Butylbenzylphthalate       | 13.31 | 149  | 286782   | 22.759 | nq    | 95       |
| 80) Benzo(a)anthracene         | 13.87 | 228  | 598549   | 25.680 | nq    | 100      |
| 81) 3,3'-Dichlorobenzidine     | 13.82 | 252  | 158339   | 17.437 | nq    | 97       |
| 82) Chrysene                   | 13.90 | 228  | 565466   | 25.061 | nq    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 13.87 | 149  | 352107   | 22.236 | nq    | 99       |
| 84) Di-n-octyl phthalate       | 14.48 | 149  | 608926   | 23.065 | nq    | 99       |
| 85) Indeno(1,2,3-cd)pyrene     | 16.65 | 276  | 734859   | 36.801 | nq    | 94       |
| 87) Benzo(b)fluoranthene       | 14.88 | 252  | 627757   | 25.902 | nq    | 99       |
| 88) Benzo(k)fluoranthene       | 14.88 | 252  | 627757   | 28.126 | nq    | 98       |
| 89) Benzo(a)pyrene             | 15.22 | 252  | 606257   | 27.723 | nq    | 99       |
| 90) Dibenzo(a,h)anthracene     | 16.67 | 278  | 557731   | 28.943 | nq    | 96       |
| 91) Benzo(g,h,i)perylene       | 17.06 | 276  | 637680   | 33.051 | nq    | 94       |

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

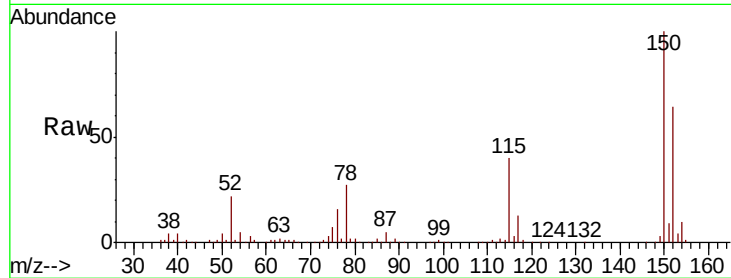




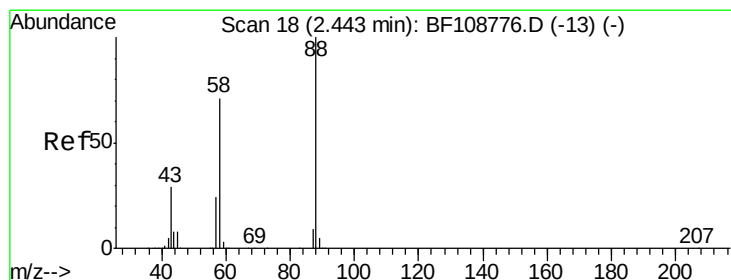
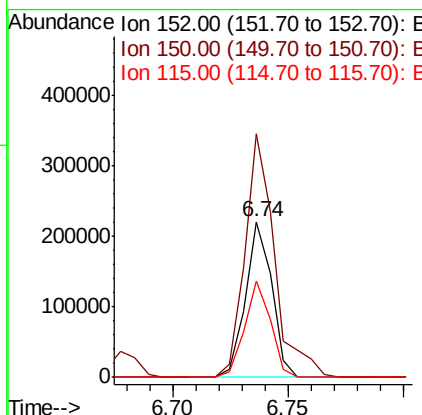
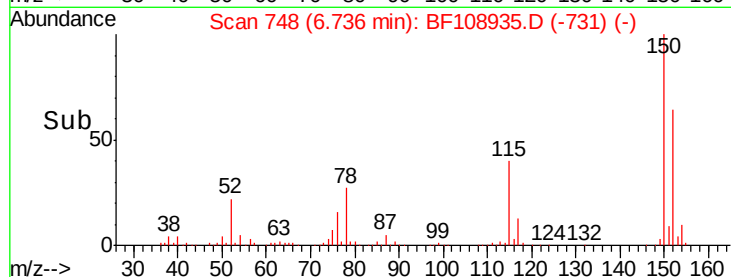
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.74 min Scan# 748  
 Delta R.T. -0.00 min  
 Lab File: BF108935.D  
 Acq: 11 Sep 2018 15:14

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:152 Resp: 176507  
 Ion Ratio Lower Upper  
 152 100  
 150 156.7 124.6 186.8  
 115 62.3 50.1 75.1

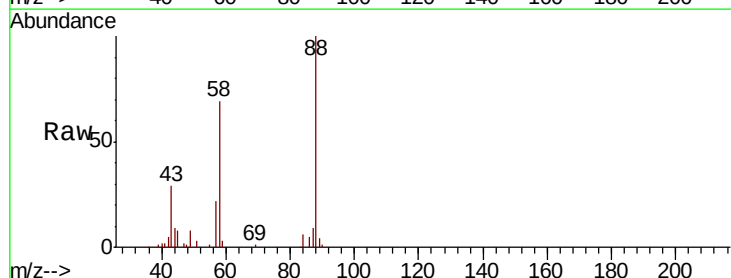


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

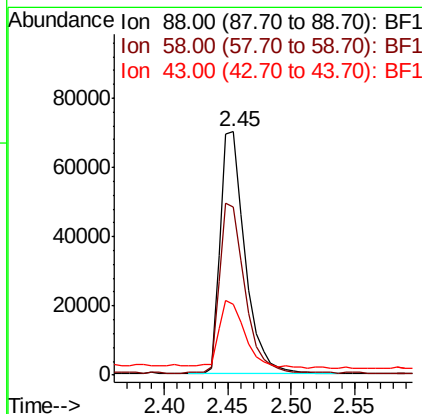
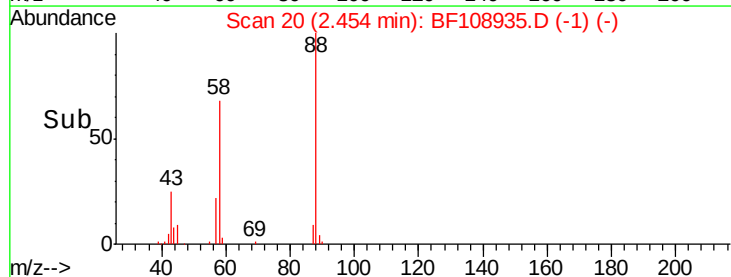


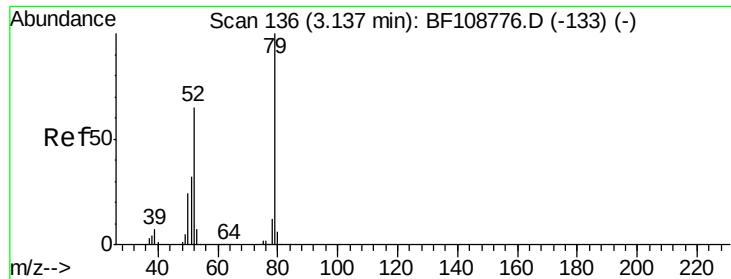
#2  
 1,4-Dioxane  
 Concen: 18.721 ng  
 RT: 2.45 min Scan# 20  
 Delta R.T. 0.01 min  
 Lab File: BF108935.D  
 Acq: 11 Sep 2018 15:14

Tgt Ion: 88 Resp: 95860  
 Ion Ratio Lower Upper  
 88 100  
 58 70.6 62.6 93.8  
 43 30.5 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

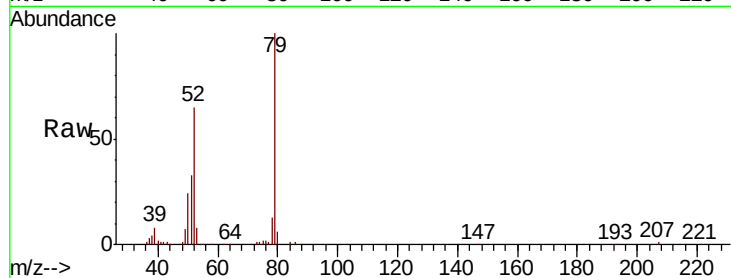




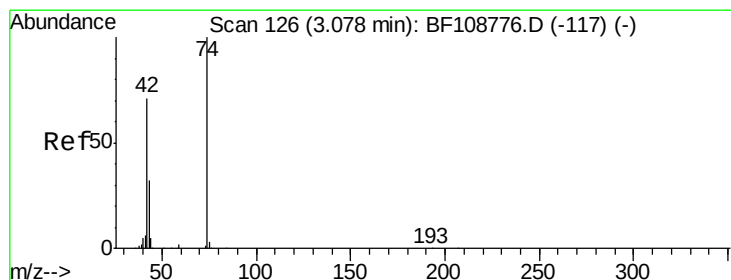
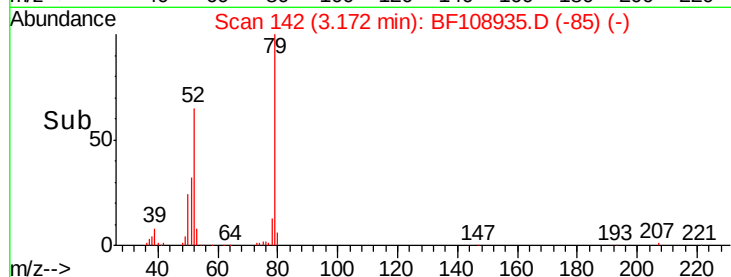
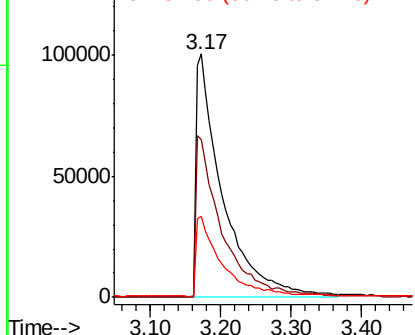
#3  
 Pvridine  
 Concen: 19.119 ng  
 RT: 3.17 min Scan# 142  
 Delta R.T. 0.04 min  
 Lab File: BF108935.D  
 Acq: 11 Sep 2018 15:14

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion: 79 Resp: 268098  
 Ion Ratio Lower Upper  
 79 100  
 52 64.9 59.8 89.6  
 51 33.2 29.8 44.8

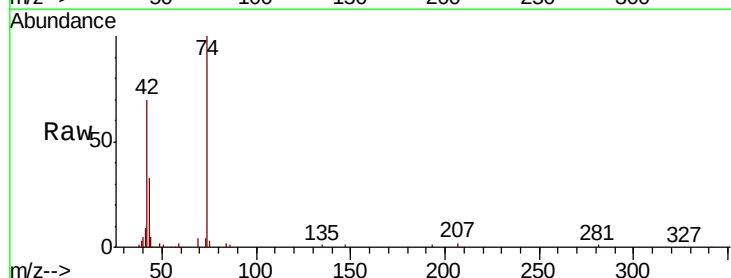


Abundance Ion 79.00 (78.70 to 79.70): BF1  
 Ion 52.00 (51.70 to 52.70): BF1  
 Ion 51.00 (50.70 to 51.70): BF1

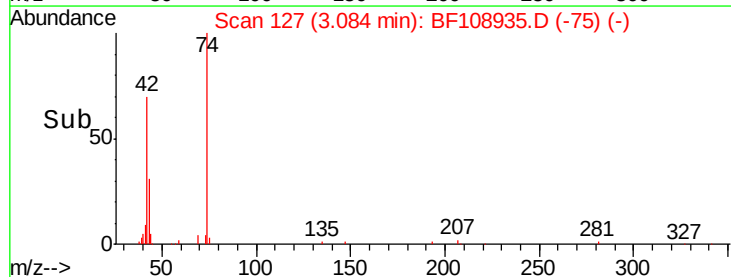
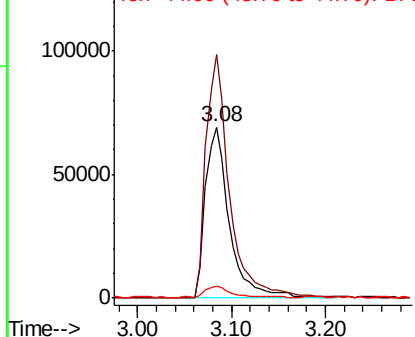


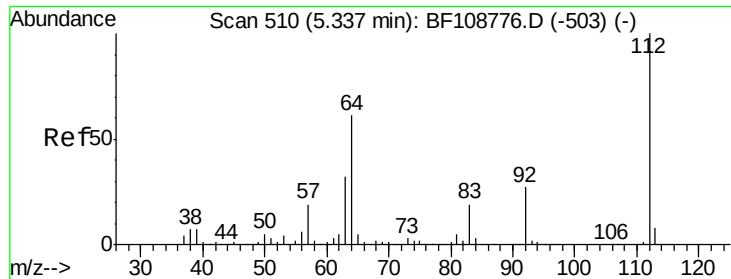
#4  
 n-Nitrosodimethylamine  
 Concen: 23.225 ng  
 RT: 3.08 min Scan# 127  
 Delta R.T. 0.01 min  
 Lab File: BF108935.D  
 Acq: 11 Sep 2018 15:14

Tgt Ion: 42 Resp: 125085  
 Ion Ratio Lower Upper  
 42 100  
 74 142.3 104.9 157.3  
 44 7.3 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: 67.451 ng

RT: 5.35 min Scan# 512

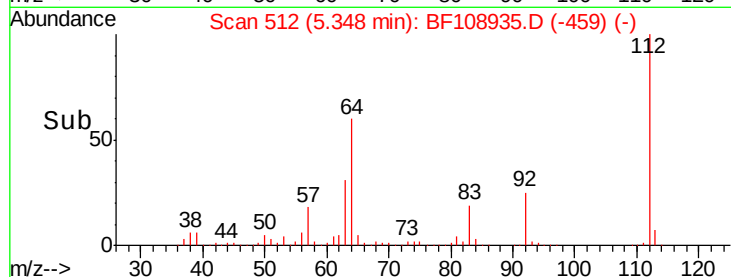
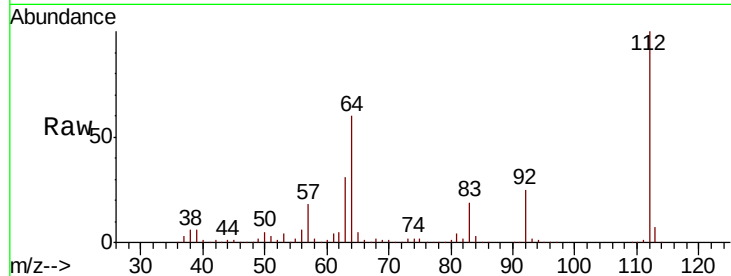
Delta R.T. 0.01 min

Lab File: BF108935.D

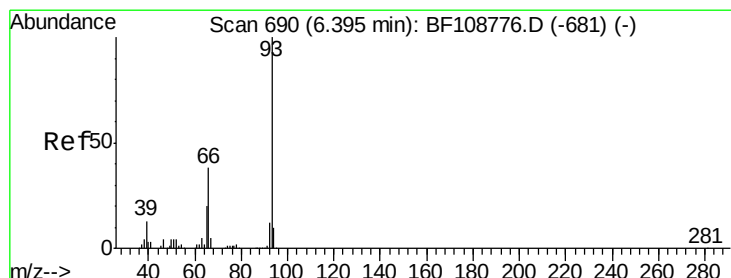
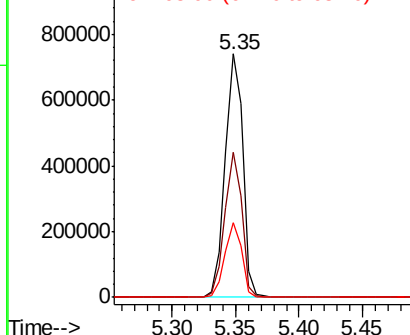
Acq: 11 Sep 2018 15:14

Instrument :  
BNA\_F  
ClientSampled :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 112   | Resp: | 718650 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 64       | 59.5  | 47.9  | 71.9   |
| 63       | 30.5  | 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: 14.541 ng

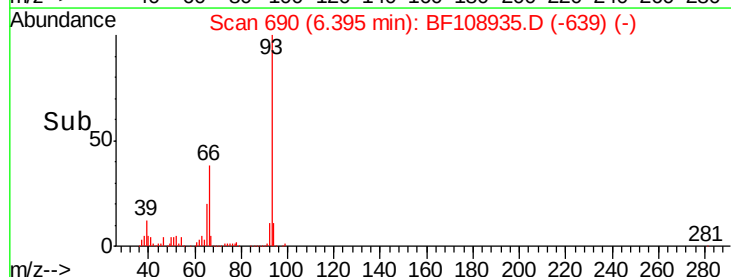
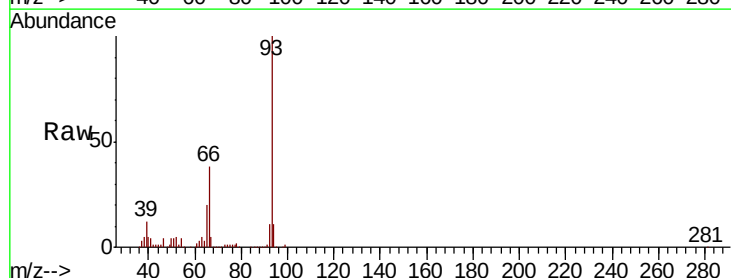
RT: 6.40 min Scan# 690

Delta R.T. -0.00 min

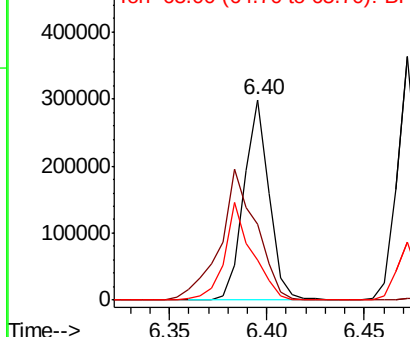
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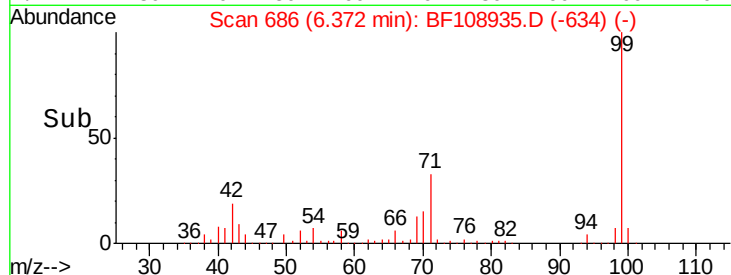
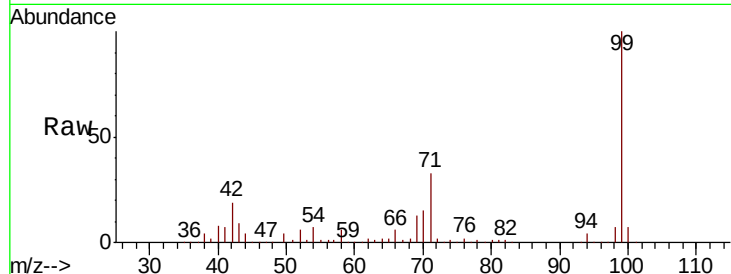
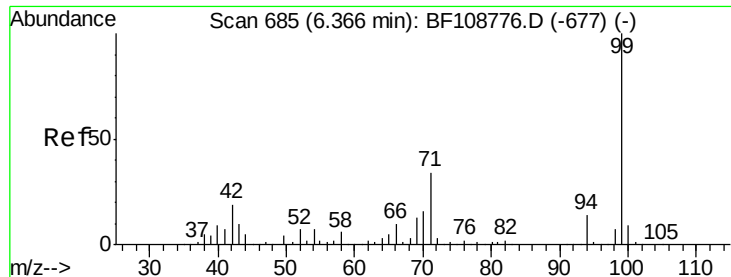
Acq: 11 Sep 2018 15:14

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 93    | Resp: | 268094 |
| Ion      | Ratio | Lower | Upper  |
| 93       | 100   |       |        |
| 66       | 38.0  | 32.2  | 48.2   |
| 65       | 19.9  | 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: 67.839 ng

RT: 6.37 min Scan# 686

Delta R.T. 0.01 min

Lab File: BF108935.D

Acq: 11 Sep 2018 15:14

Instrument :

BNA\_F

ClientSampled :

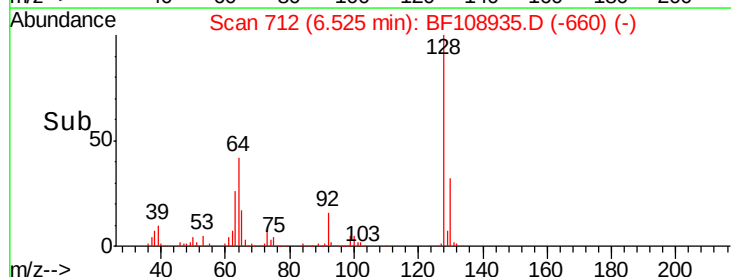
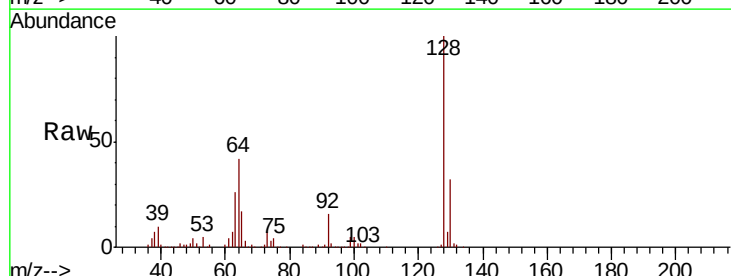
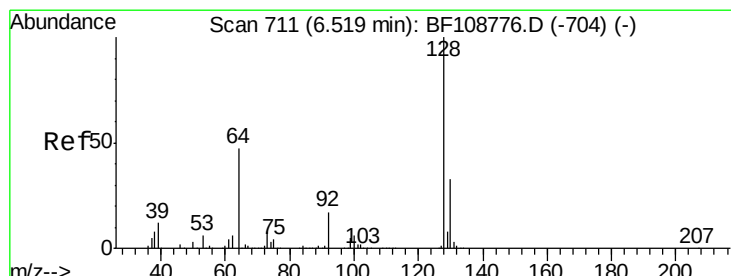
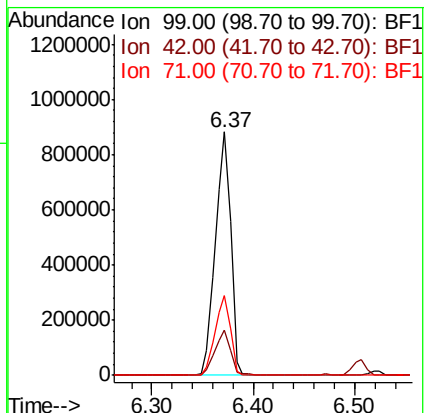
Tot Ion: 99 Resp: 929975

Ion Ratio Lower Upper

99 100

42 18.7 14.5 21.7

71 32.6 25.4 38.0



#8

2-Chlorophenol

Concen: 23.044 ng

RT: 6.52 min Scan# 712

Delta R.T. 0.01 min

Lab File: BF108935.D

Acq: 11 Sep 2018 15:14

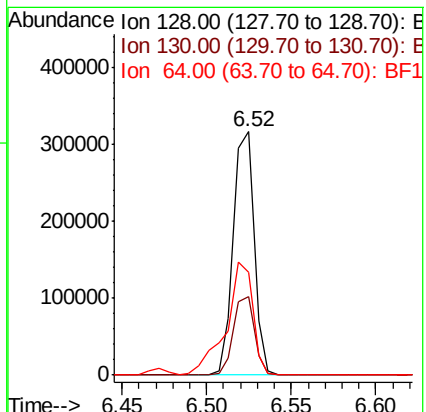
Tgt Ion:128 Resp: 271755

Ion Ratio Lower Upper

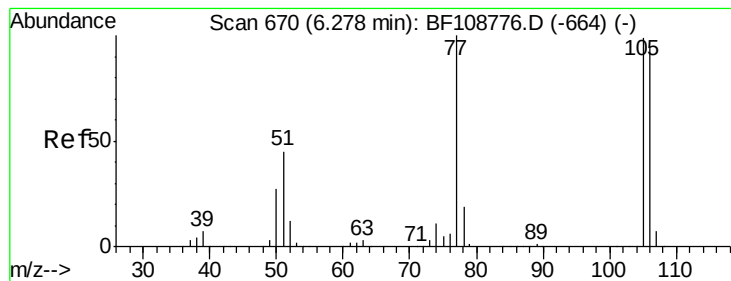
128 100

130 32.3 13.0 53.0

64 42.1 29.4 69.4







#9

Benzaldehyde

Concen: 14.280 ng

RT: 6.28 min Scan# 670

Delta R.T. -0.00 min

Lab File: BF108935.D

Acq: 11 Sep 2018 15:14

Instrument :

BNA\_F

ClientSampleId :

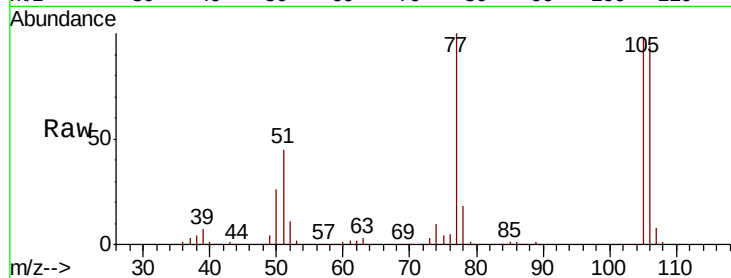
Tot Ion: 77 Resp: 138877

Ion Ratio Lower Upper

77 100

105 98.3 81.1 121.1

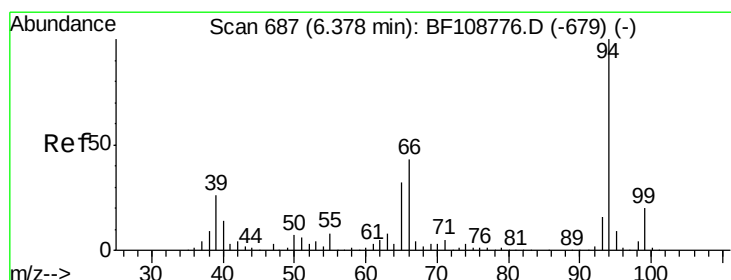
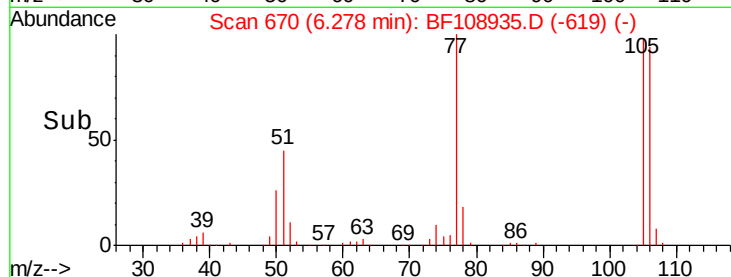
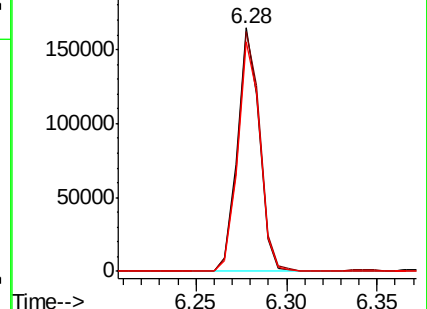
106 94.4 74.5 114.5



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: 22.103 ng

RT: 6.38 min Scan# 688

Delta R.T. 0.01 min

Lab File: BF108935.D

Acq: 11 Sep 2018 15:14

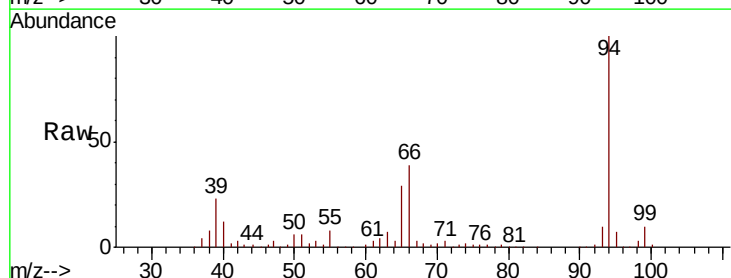
Tgt Ion: 94 Resp: 347038

Ion Ratio Lower Upper

94 100

65 29.0 7.9 47.9

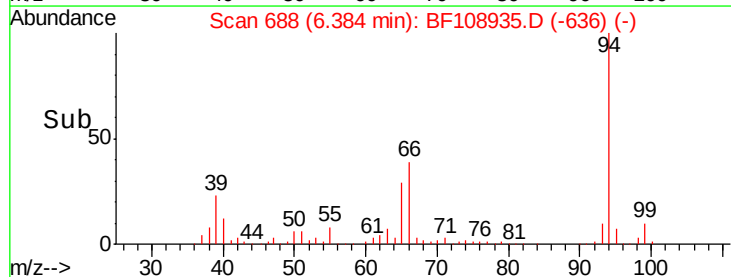
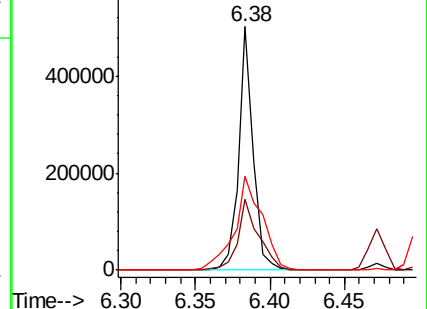
66 38.7 16.2 56.2



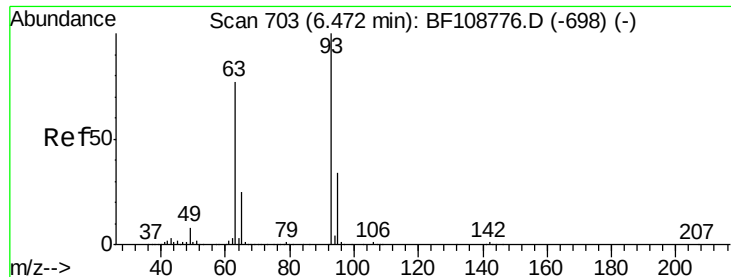
Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1



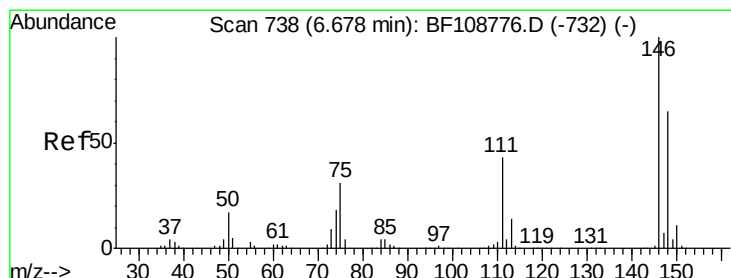
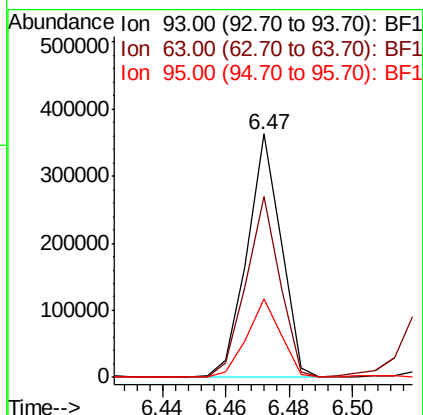
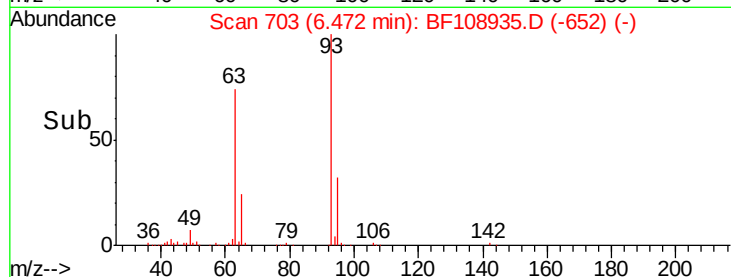
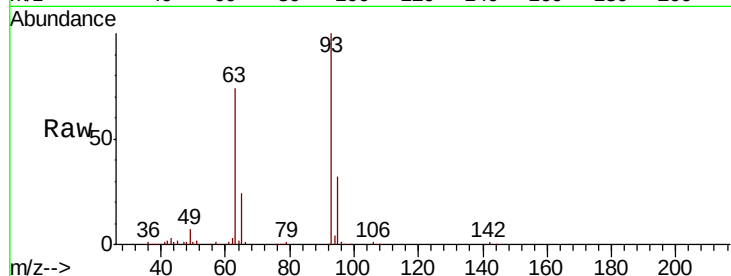




#11  
bis(2-Chloroethyl)ether  
Concen: 21.329 ng  
RT: 6.47 min Scan# 703  
Delta R.T. -0.00 min  
Lab File: BF108935.D  
Acq: 11 Sep 2018 15:14

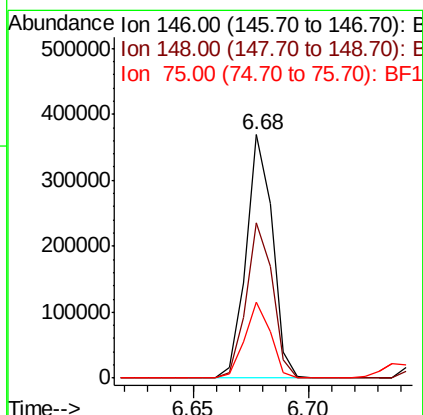
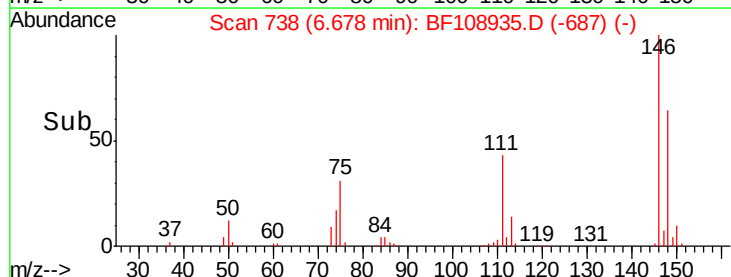
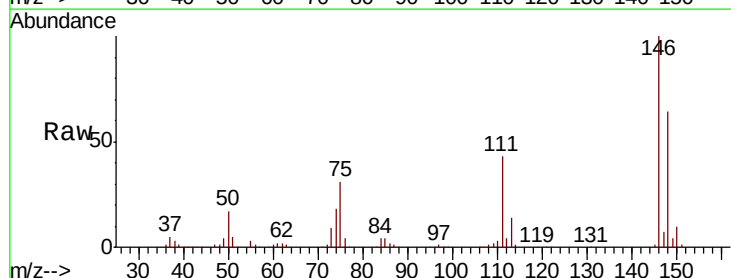
Instrument :  
BNA\_F  
ClientSampleId :

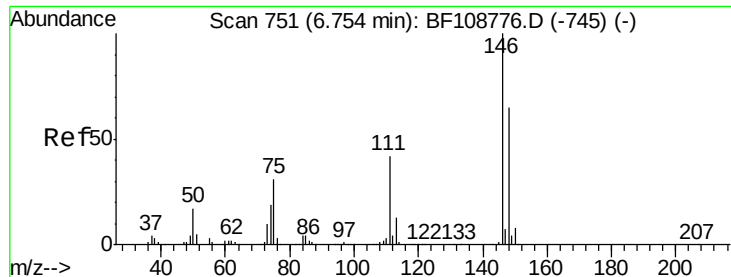
| Tot Ion | 93    | Resp  | 268278 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 93      | 100   |       |        |
| 63      | 74.4  | 58.6  | 98.6   |
| 95      | 32.3  | 11.8  | 51.8   |



#12  
1,3-Dichlorobenzene  
Concen: 21.954 ng  
RT: 6.68 min Scan# 738  
Delta R.T. -0.00 min  
Lab File: BF108935.D  
Acq: 11 Sep 2018 15:14

| Tgt Ion | 146   | Resp  | 295448 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 146     | 100   |       |        |
| 148     | 63.6  | 51.8  | 77.8   |
| 75      | 31.4  | 24.2  | 36.4   |

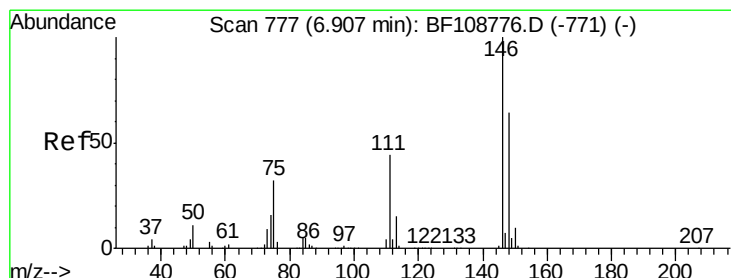
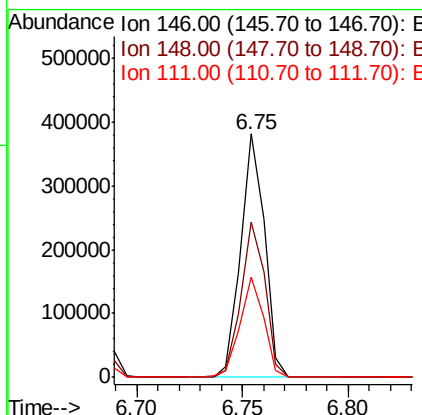
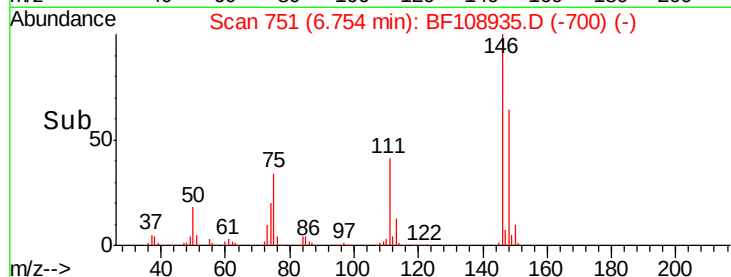
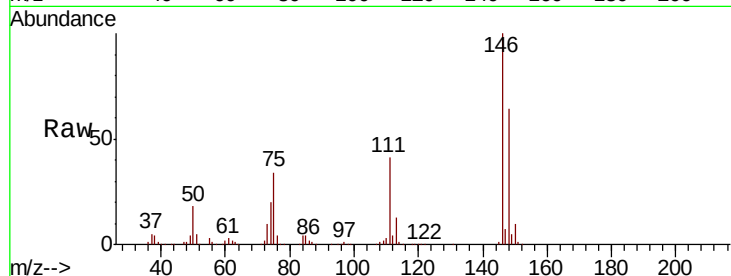




#13  
 1,4-Dichlorobenzene  
 Concen: 22.122 ng  
 RT: 6.75 min Scan# 751  
 Delta R.T. -0.00 min  
 Lab File: BF108935.D  
 Acq: 11 Sep 2018 15:14

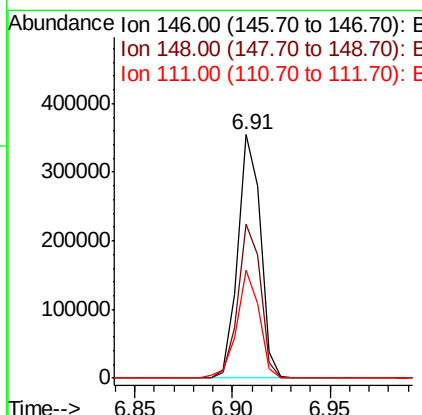
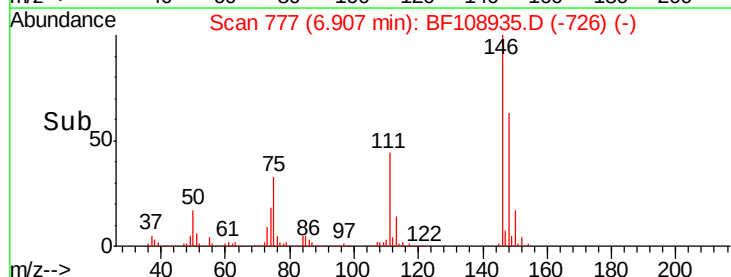
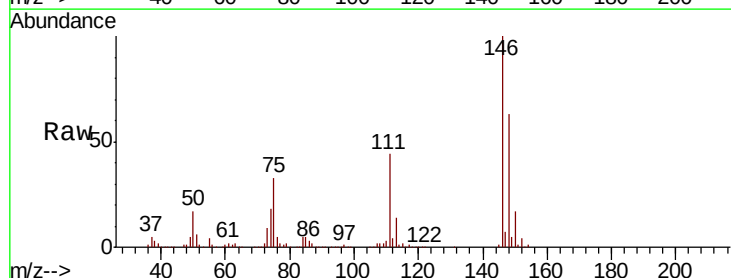
Instrument :  
 BNA\_F  
 ClientSampled :

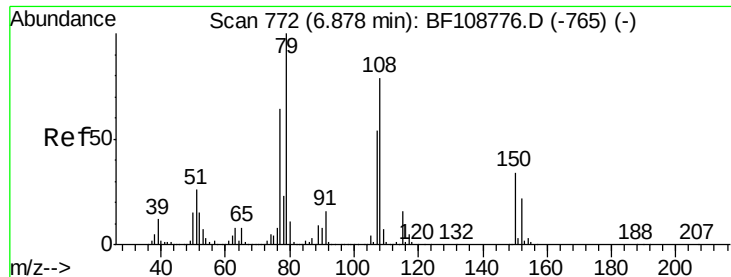
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 63.9  | 50.8  | 76.2  |
| 111     | 41.1  | 34.2  | 51.2  |



#14  
 1,2-Dichlorobenzene  
 Concen: 23.067 ng  
 RT: 6.91 min Scan# 777  
 Delta R.T. -0.00 min  
 Lab File: BF108935.D  
 Acq: 11 Sep 2018 15:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 63.4  | 50.6  | 75.8  |
| 111     | 44.3  | 36.0  | 54.0  |





#15

Benzyl Alcohol

Concen: 23.041 ng

RT: 6.88 min Scan# 772

Delta R.T. -0.00 min

Lab File: BF108935.D

Acq: 11 Sep 2018 15:14

Instrument :

BNA\_F

ClientSampleId :

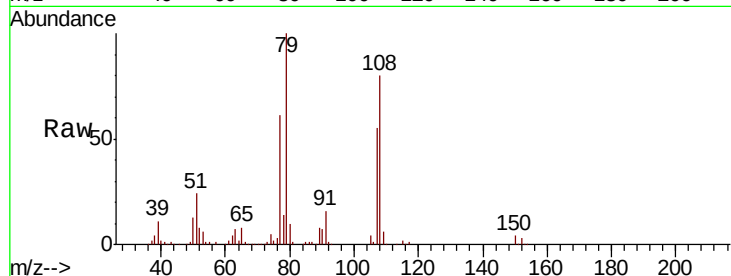
Tot Ion: 79 Resp: 242399

Ion Ratio Lower Upper

79 100

108 79.7 65.1 97.7

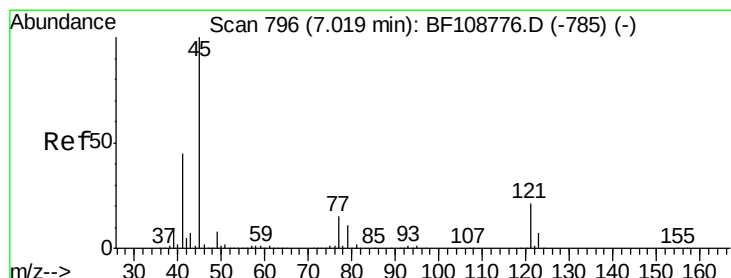
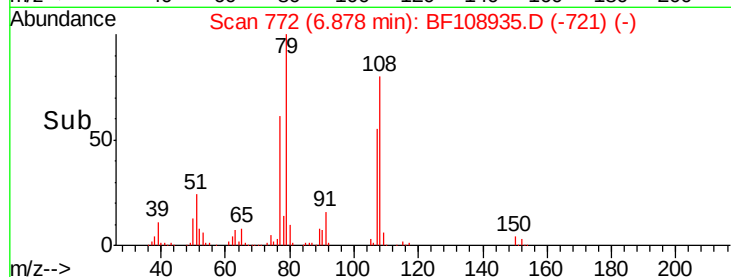
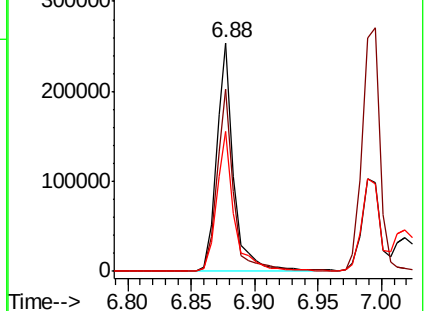
77 61.5 50.6 75.8



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



#16

2,2'-oxybis(1-Chloropropane)

Concen: 21.219 ng

RT: 7.02 min Scan# 796

Delta R.T. -0.00 min

Lab File: BF108935.D

Acq: 11 Sep 2018 15:14

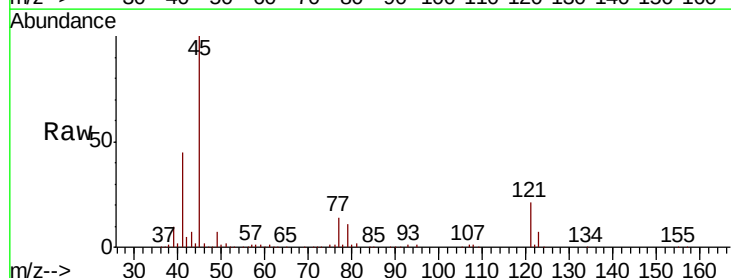
Tgt Ion: 45 Resp: 398961

Ion Ratio Lower Upper

45 100

77 14.1 0.0 32.9

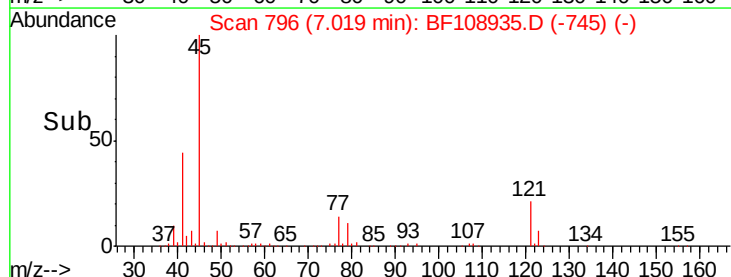
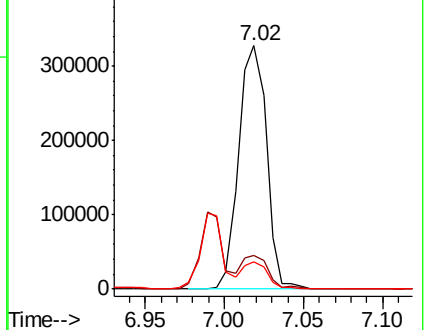
79 11.3 0.0 29.6

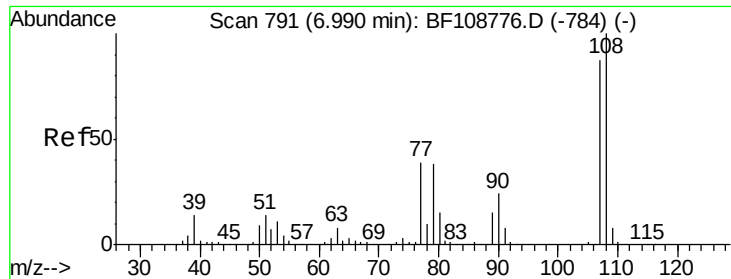


Abundance Ion 45.00 (44.70 to 45.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1

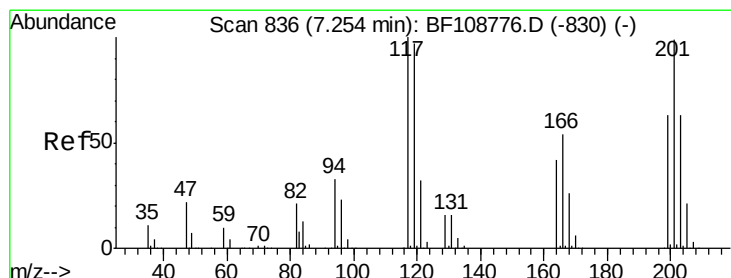
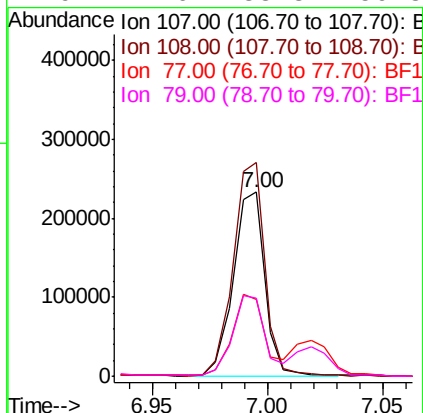
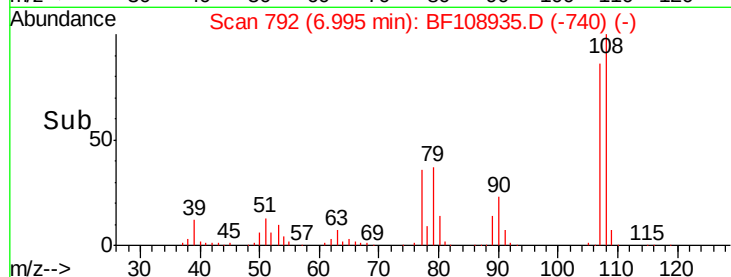
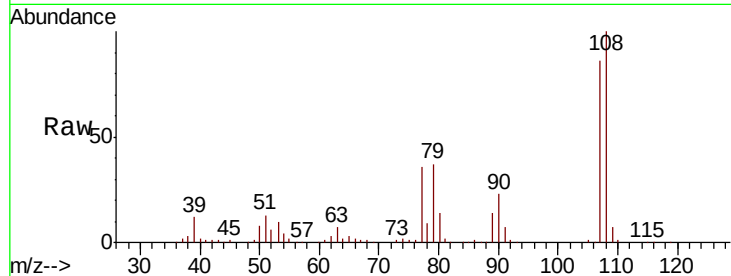




#17  
2-Methylphenol  
Concen: 22.269 ng  
RT: 7.00 min Scan# 792  
Delta R.T. 0.01 min  
Lab File: BF108935.D  
Acq: 11 Sep 2018 15:14

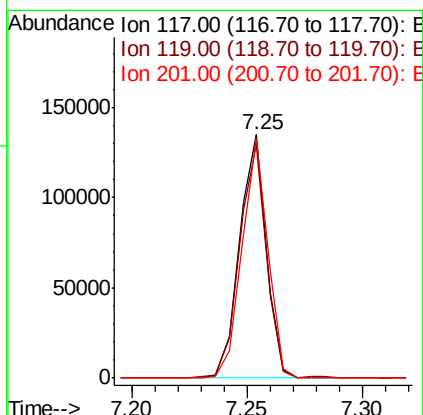
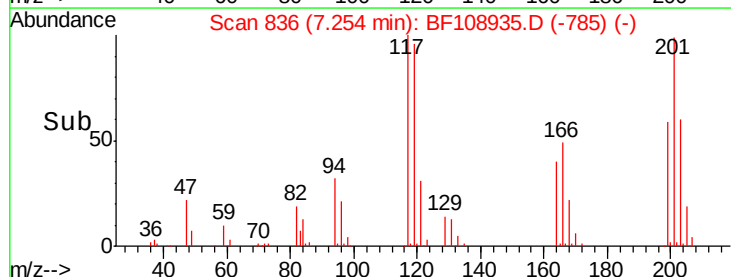
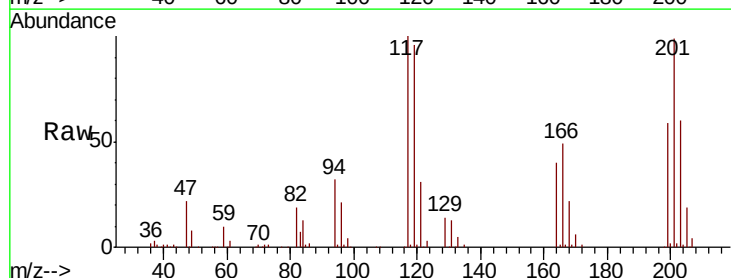
Instrument :  
BNA\_F  
ClientSampleId :

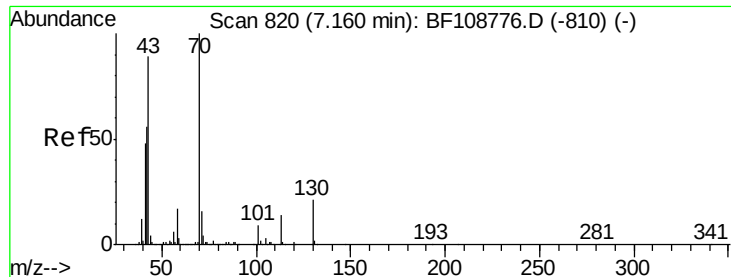
Tot Ion:107 Resp: 221941  
Ion Ratio Lower Upper  
107 100  
108 115.9 91.7 137.5  
77 41.7 33.8 50.8  
79 42.6 33.8 50.8



#18  
Hexachloroethane  
Concen: 22.431 ng  
RT: 7.25 min Scan# 836  
Delta R.T. -0.00 min  
Lab File: BF108935.D  
Acq: 11 Sep 2018 15:14

Tgt Ion:117 Resp: 108847  
Ion Ratio Lower Upper  
117 100  
119 96.0 75.8 113.8  
201 98.6 75.7 113.5

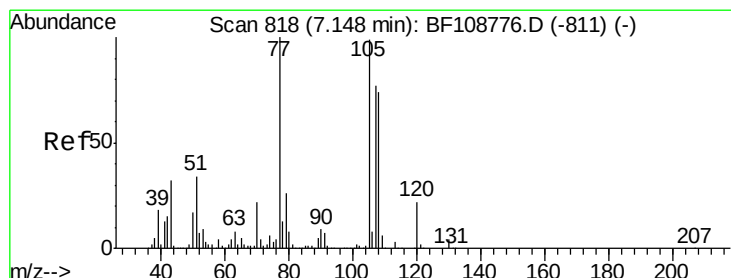
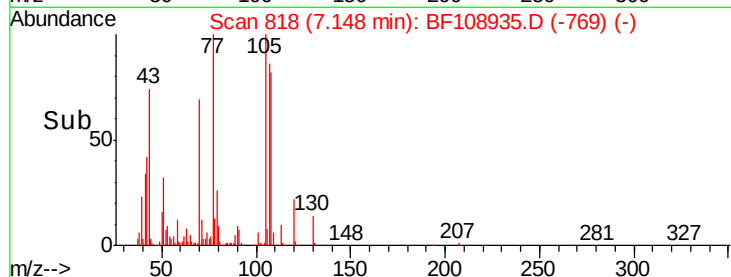
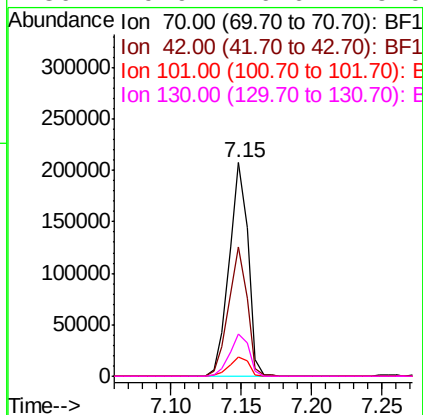
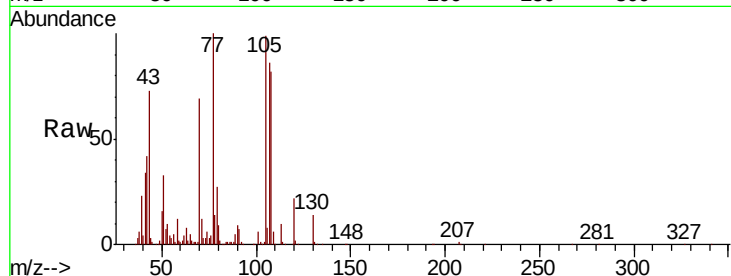




#19  
 n-Nitroso-di-n-propylamine  
 Concen: 20.314 ng  
 RT: 7.15 min Scan# 818  
 Delta R.T. -0.01 min  
 Lab File: BF108935.D  
 Acq: 11 Sep 2018 15:14

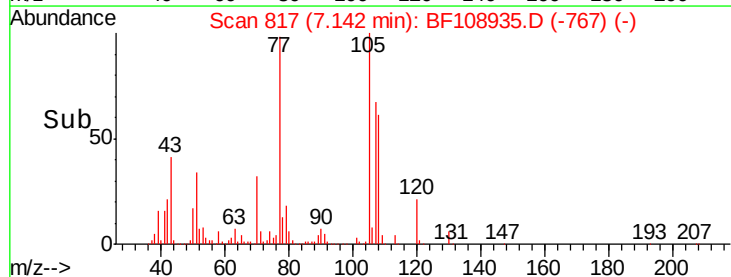
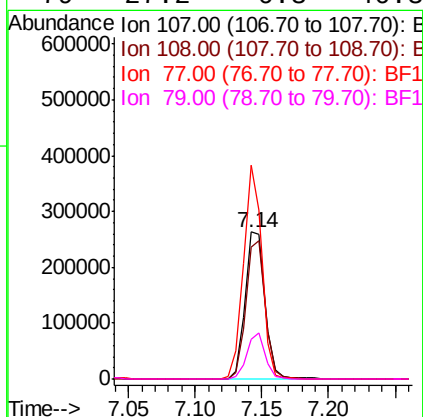
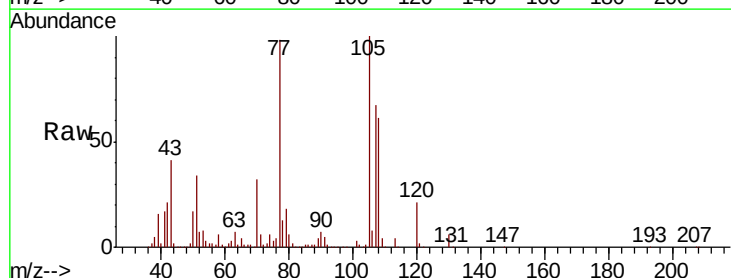
Instrument :  
 BNA\_F  
 ClientSampleId :

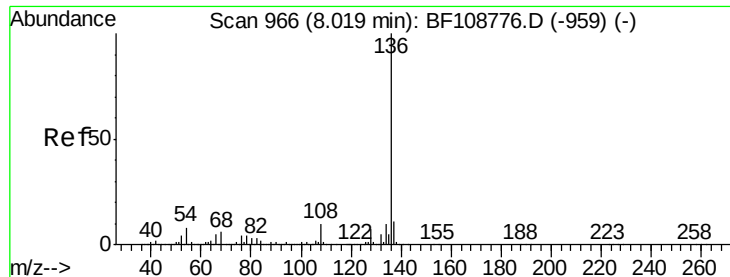
Tot Ion: 70 Resp: 193570  
 Ion Ratio Lower Upper  
 70 100  
 42 60.6 47.5 71.3  
 101 9.2 7.4 11.2  
 130 19.9 16.6 25.0



#20  
 3+4-Methylphenols  
 Concen: 23.070 ng  
 RT: 7.14 min Scan# 817  
 Delta R.T. -0.01 min  
 Lab File: BF108935.D  
 Acq: 11 Sep 2018 15:14

Tgt Ion:107 Resp: 269339  
 Ion Ratio Lower Upper  
 107 100  
 108 89.9 68.2 108.2  
 77 145.5 26.7 66.7#  
 79 27.2 6.3 46.3

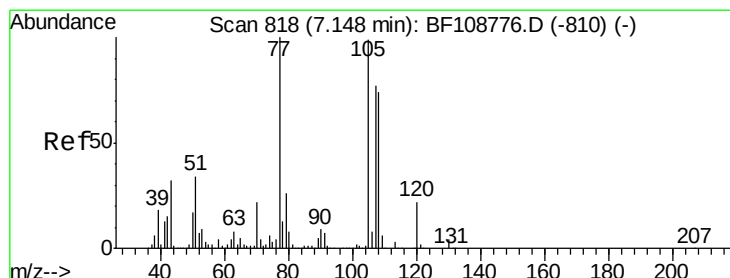
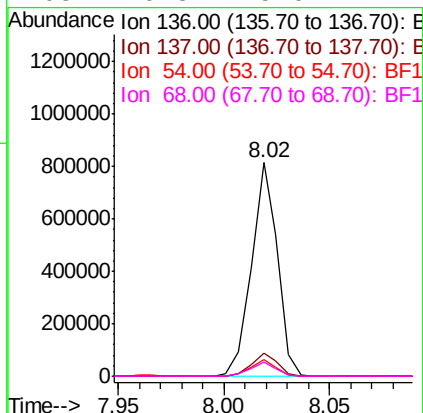
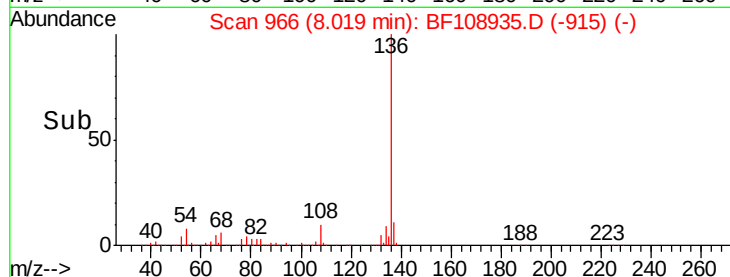
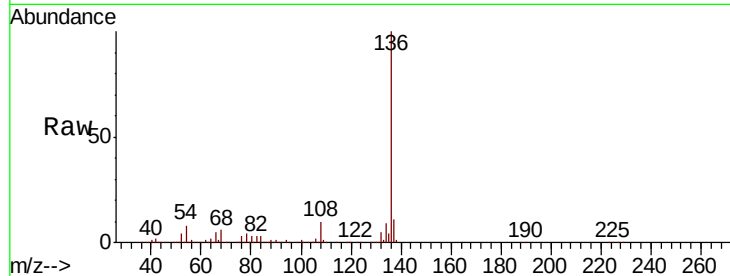




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.02 min Scan# 966  
Delta R.T. -0.00 min  
Lab File: BF108935.D  
Acq: 11 Sep 2018 15:14

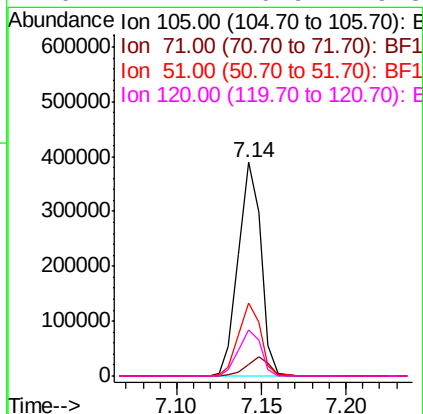
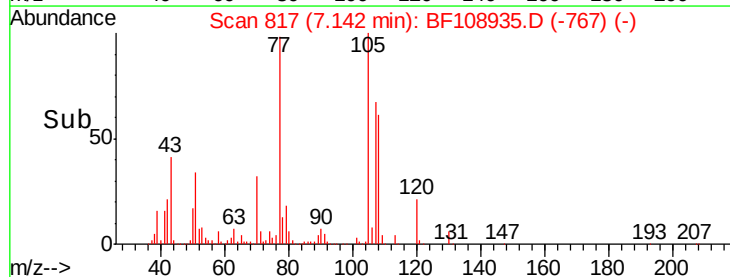
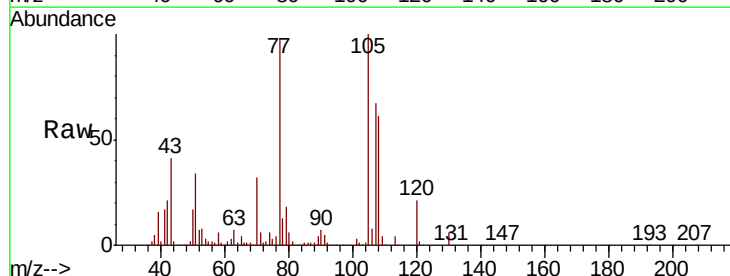
Instrument :  
BNA\_F  
ClientSampleId :

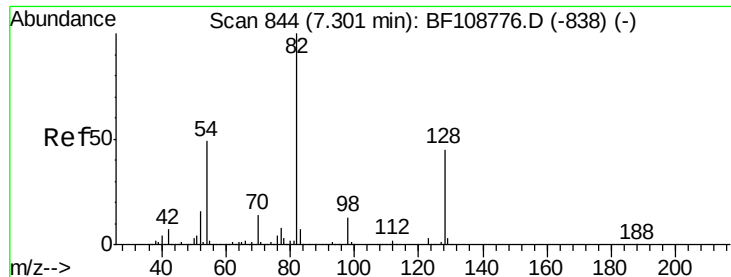
|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 690568   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 10.9  | 8.9 13.3 |
| 54          | 7.6   | 6.6 9.8  |
| 68          | 6.3   | 5.0 7.4  |



#22  
Acetophenone  
Concen: 23.292 ng  
RT: 7.14 min Scan# 817  
Delta R.T. -0.01 min  
Lab File: BF108935.D  
Acq: 11 Sep 2018 15:14

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:105 | Resp: | 365049     |
| Ion Ratio   | Lower | Upper      |
| 105         | 100   |            |
| 71          | 5.6   | 4.4 6.6    |
| 51          | 34.1  | 22.3 33.5# |
| 120         | 21.4  | 16.9 25.3  |

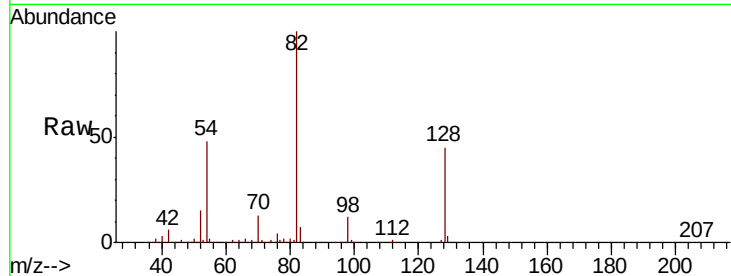




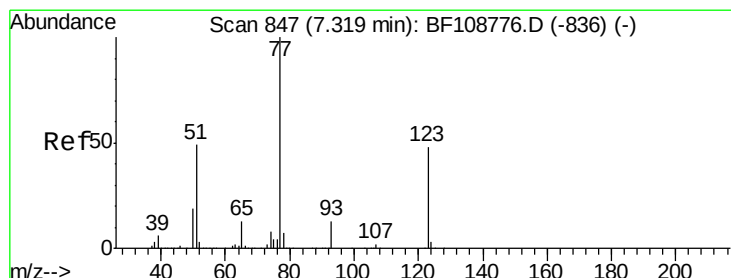
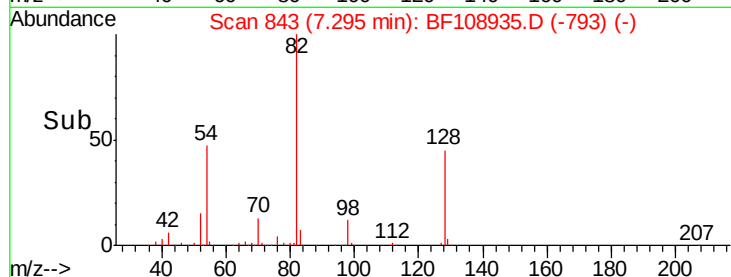
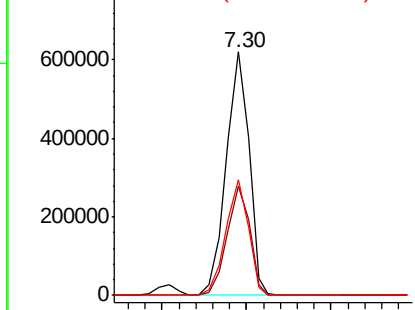
#23  
 Nitrobenzene-d5  
 Concen: 52.786 ng  
 RT: 7.30 min Scan# 843  
 Delta R.T. -0.01 min  
 Lab File: BF108935.D  
 Acq: 11 Sep 2018 15:14

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion   | 82   | Resp  | 582481 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 44.6 | 36.1  | 54.1   |
| 54        | 47.5 | 41.4  | 62.2   |

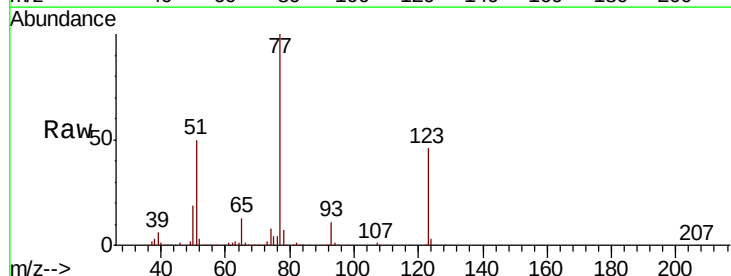


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

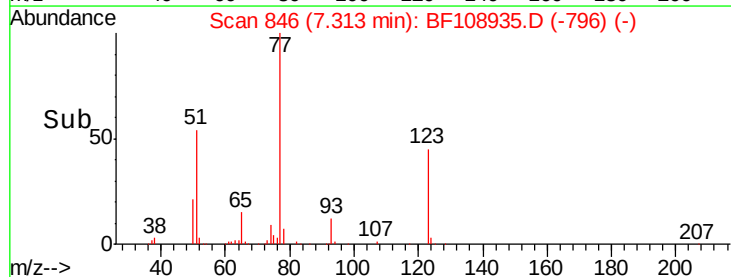
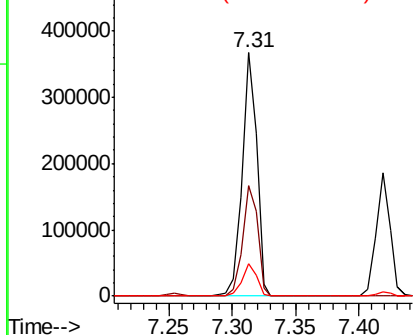


#24  
 Nitrobenzene  
 Concen: 24.461 ng  
 RT: 7.31 min Scan# 846  
 Delta R.T. -0.01 min  
 Lab File: BF108935.D  
 Acq: 11 Sep 2018 15:14

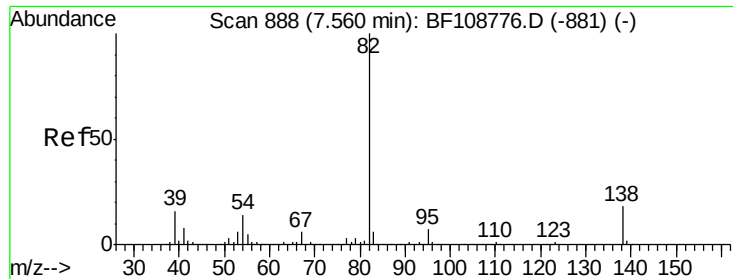
| Tgt Ion   | 77   | Resp  | 289616 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 123       | 45.6 | 37.9  | 56.9   |
| 65        | 13.3 | 11.0  | 16.4   |



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: 24.043 ng

RT: 7.55 min Scan# 887

Delta R.T. -0.01 min

Lab File: BF108935.D

Acq: 11 Sep 2018 15:14

Instrument :

BNA\_F

ClientSampleId :

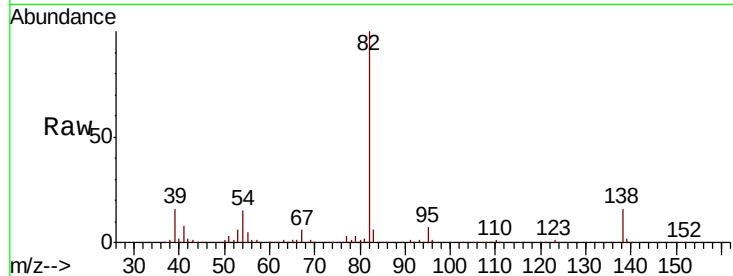
Tot Ion: 82 Resp: 529208

Ion Ratio Lower Upper

82 100

95 6.8 5.2 7.8

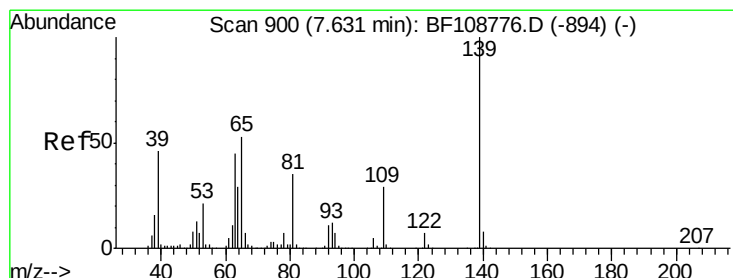
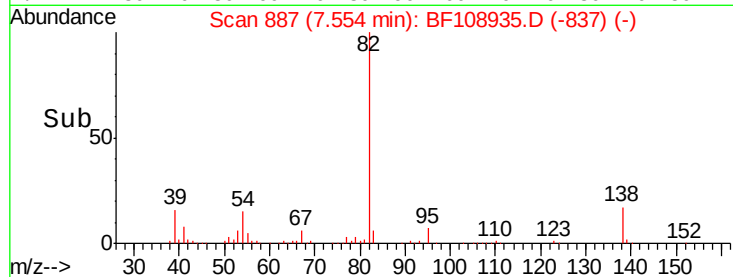
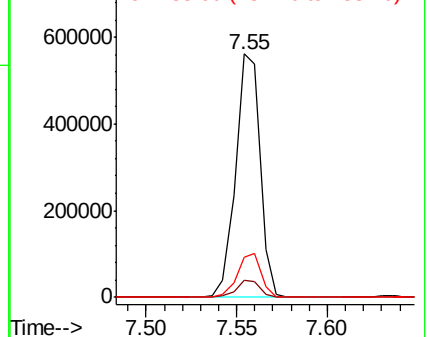
138 16.3 14.9 22.3



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 28.955 ng

RT: 7.64 min Scan# 901

Delta R.T. 0.01 min

Lab File: BF108935.D

Acq: 11 Sep 2018 15:14

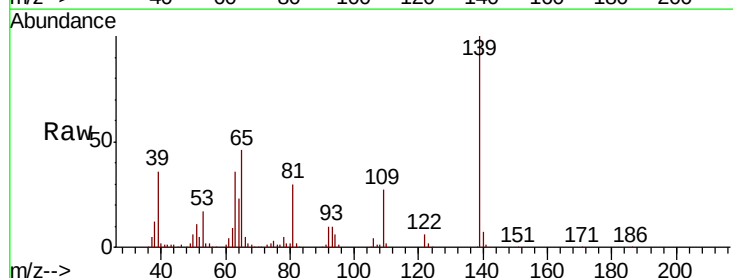
Tgt Ion: 139 Resp: 135062

Ion Ratio Lower Upper

139 100

109 27.0 22.7 34.1

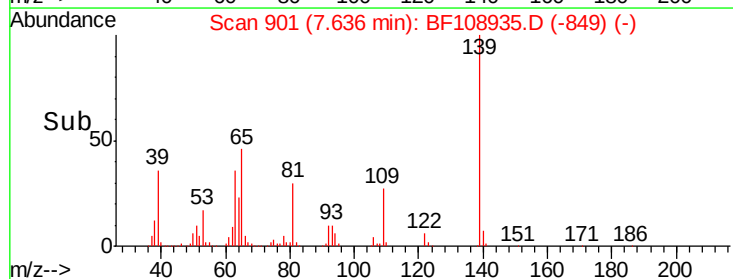
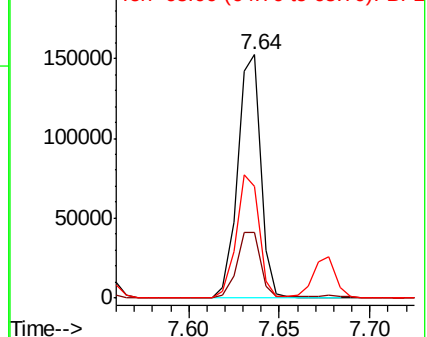
65 45.8 40.5 60.7

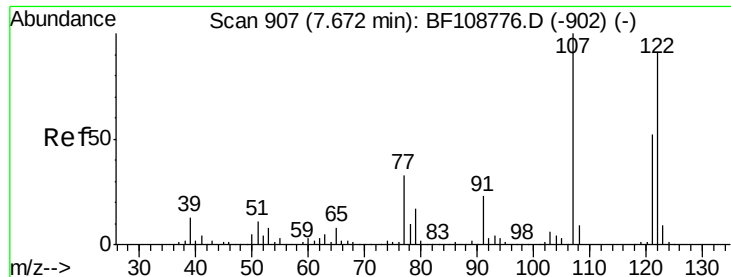


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

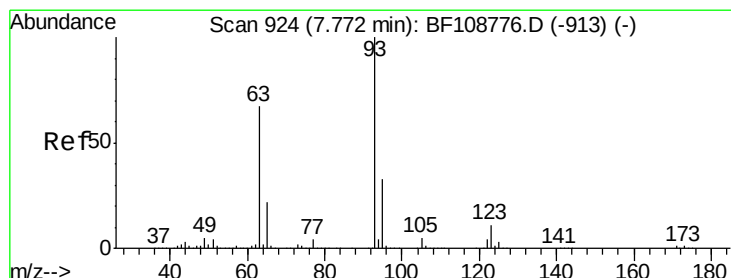
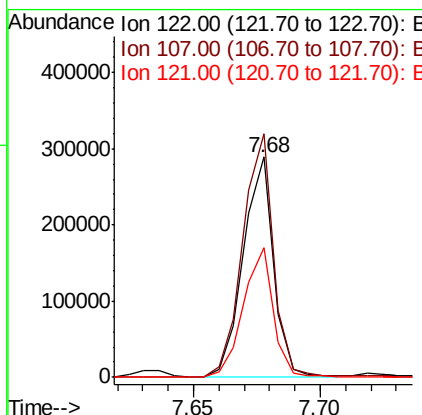
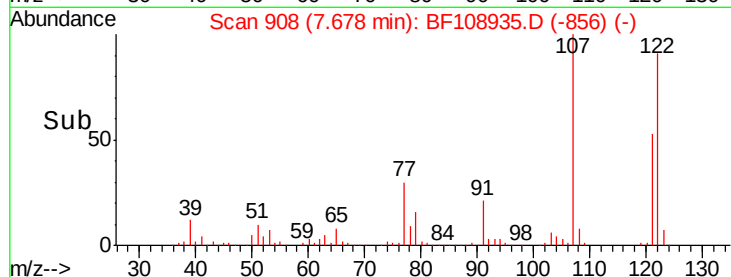
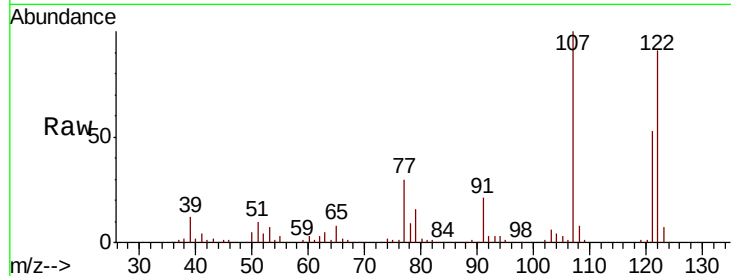




#27  
 2,4-Dimethylphenol  
 Concen: 25.588 ng  
 RT: 7.68 min Scan# 908  
 Delta R.T. 0.01 min  
 Lab File: BF108935.D  
 Acq: 11 Sep 2018 15:14

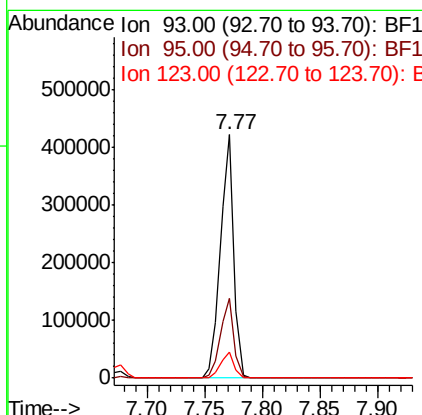
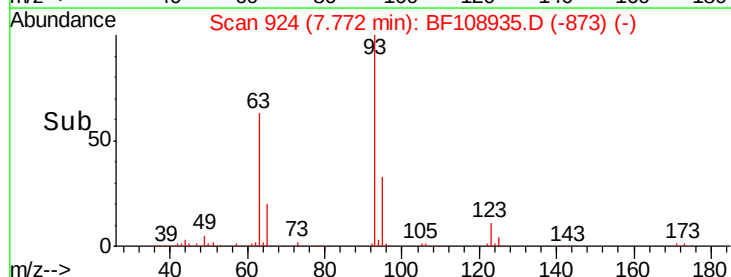
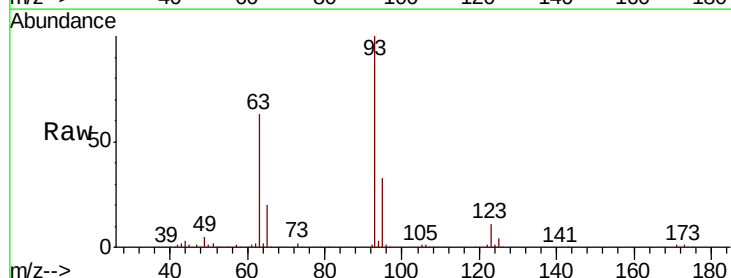
Instrument :  
 BNA\_F  
 ClientSampleId :

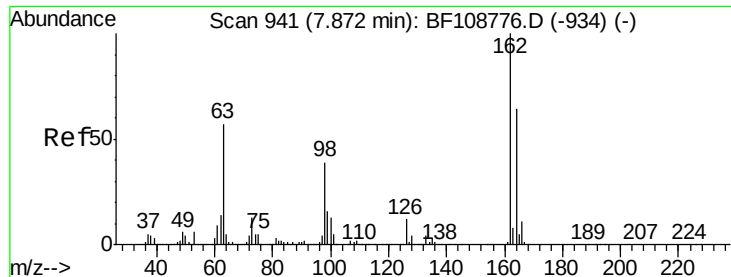
Tot Ion:122 Resp: 242376  
 Ion Ratio Lower Upper  
 122 100  
 107 110.5 91.2 136.8  
 121 58.9 47.2 70.8



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 23.111 ng  
 RT: 7.77 min Scan# 924  
 Delta R.T. -0.00 min  
 Lab File: BF108935.D  
 Acq: 11 Sep 2018 15:14

Tgt Ion: 93 Resp: 340098  
 Ion Ratio Lower Upper  
 93 100  
 95 33.0 26.3 39.5  
 123 10.9 9.8 14.6

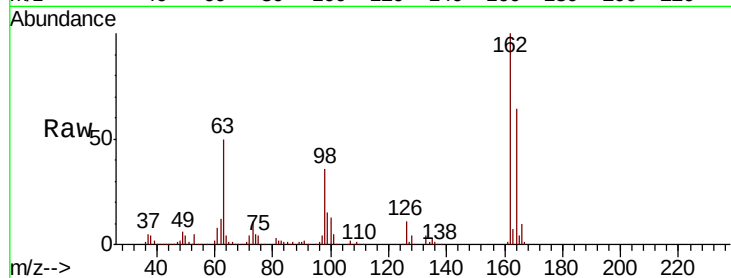




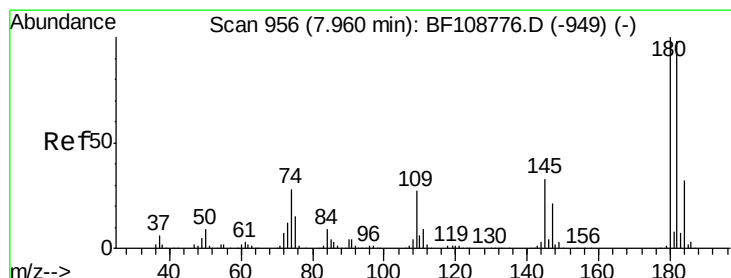
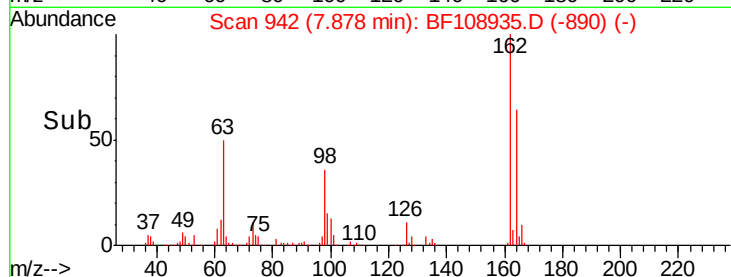
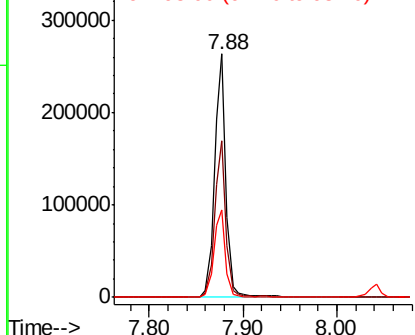
#29  
2,4-Dichlorophenol  
Concen: 23.141 ng  
RT: 7.88 min Scan# 942  
Delta R.T. 0.01 min  
Lab File: BF108935.D  
Acq: 11 Sep 2018 15:14

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:162 Resp: 226023  
Ion Ratio Lower Upper  
162 100  
164 64.4 42.7 82.7  
98 36.1 18.1 58.1

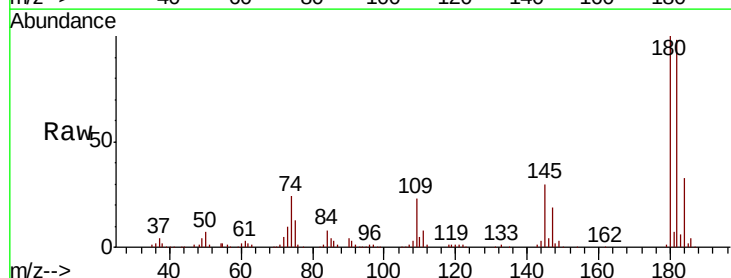


Abundance Ion 162.00 (161.70 to 162.70): E  
Ion 164.00 (163.70 to 164.70): E  
Ion 98.00 (97.70 to 98.70): BF1

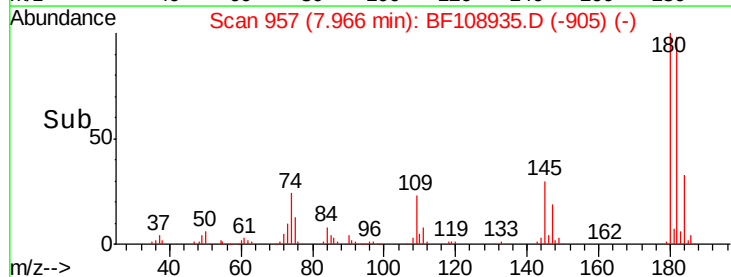
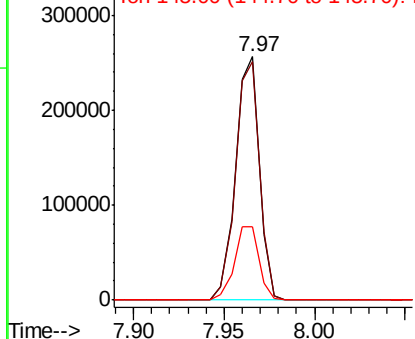


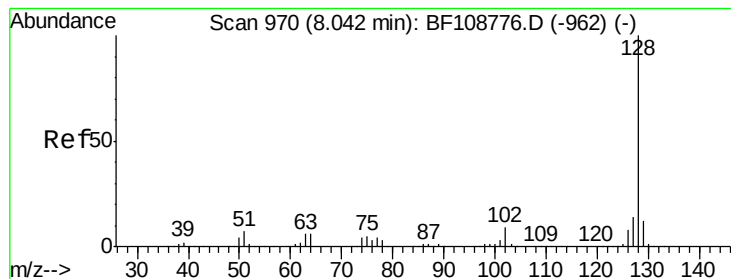
#30  
1,2,4-Trichlorobenzene  
Concen: 22.175 ng  
RT: 7.97 min Scan# 957  
Delta R.T. 0.01 min  
Lab File: BF108935.D  
Acq: 11 Sep 2018 15:14

Tgt Ion:180 Resp: 234726  
Ion Ratio Lower Upper  
180 100  
182 98.1 76.8 115.2  
145 30.3 26.5 39.7



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





#31

Naphthalene

Concen: 25.428 ng

RT: 8.04 min Scan# 970

Delta R.T. -0.00 min

Lab File: BF108935.D

Acq: 11 Sep 2018 15:14

Instrument :

BNA\_F

ClientSampled :

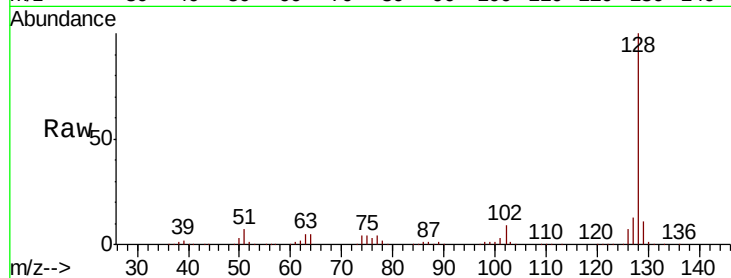
Tot Ion:128 Resp: 790030

Ion Ratio Lower Upper

128 100

129 11.2 8.8 13.2

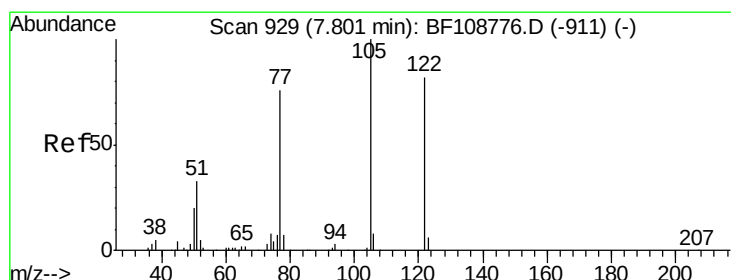
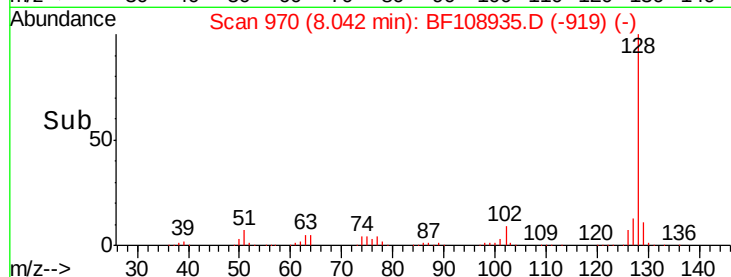
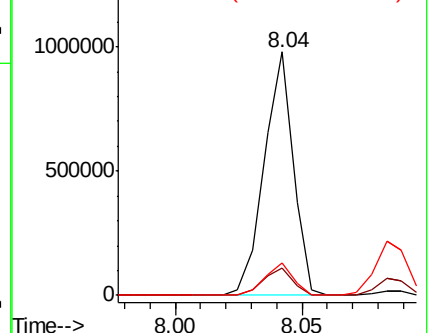
127 13.1 10.9 16.3



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: 40.532 ng

RT: 7.68 min Scan# 908

Delta R.T. -0.12 min

Lab File: BF108935.D

Acq: 11 Sep 2018 15:14

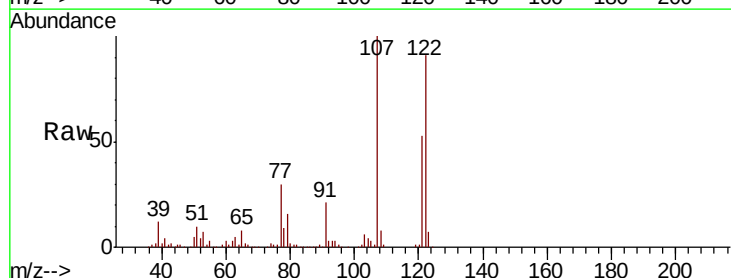
Tgt Ion:122 Resp: 242376

Ion Ratio Lower Upper

122 100

105 3.6 101.1 141.1#

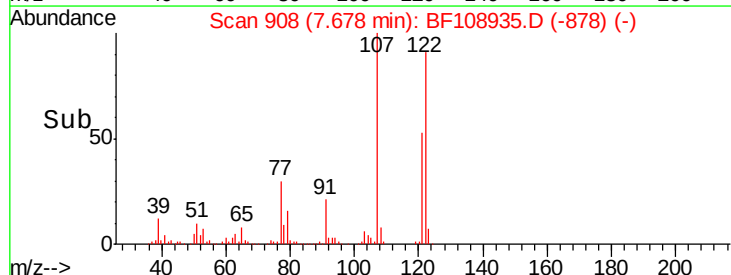
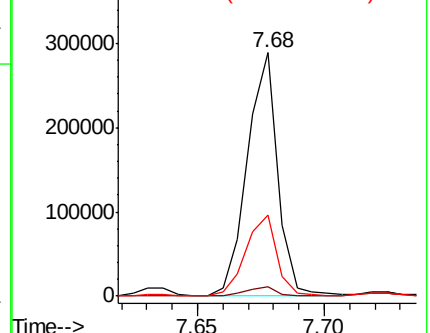
77 33.2 70.7 110.7#

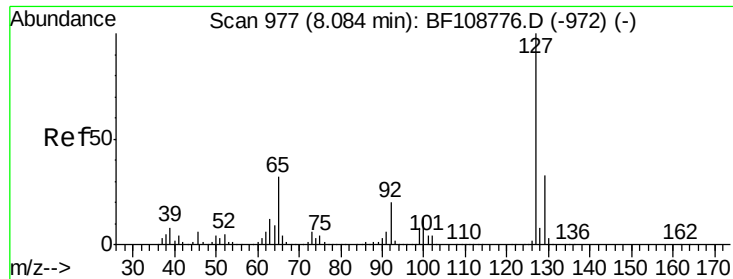


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

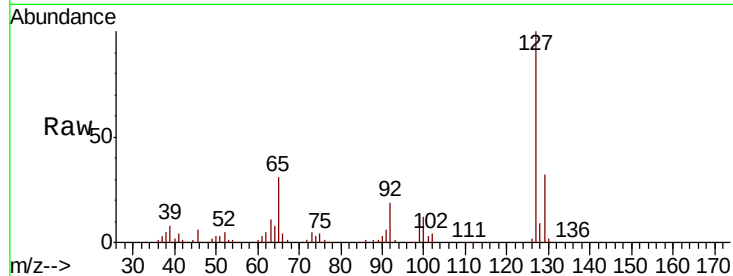




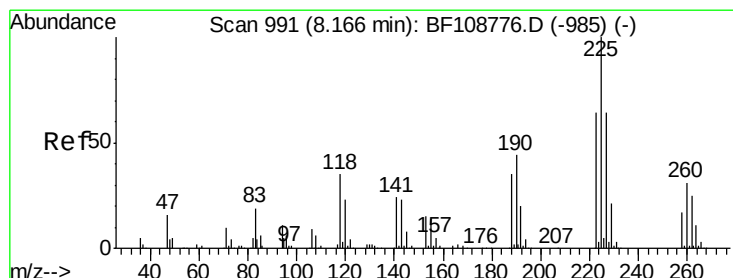
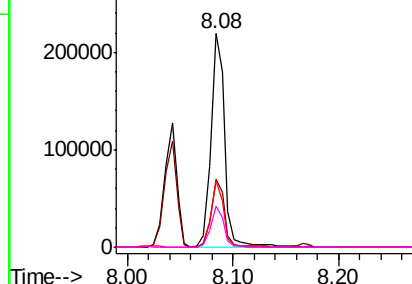
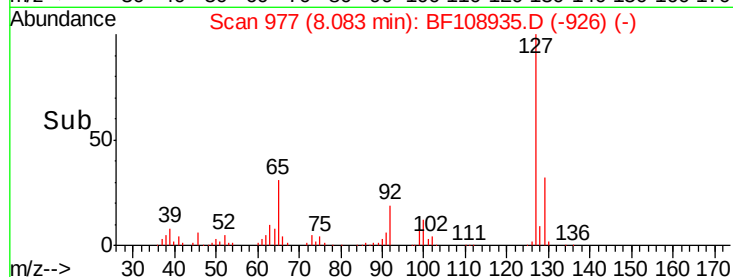
#33  
4-Chloroaniline  
Concen: 13.975 ng  
RT: 8.08 min Scan# 977  
Delta R.T. -0.00 min  
Lab File: BF108935.D  
Acq: 11 Sep 2018 15:14

Instrument :  
BNA\_F  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 127   | Resp: | 199417 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 31.9  | 25.9  | 38.9   |
| 65       | 31.3  | 25.0  | 37.4   |
| 92       | 19.0  | 15.2  | 22.8   |

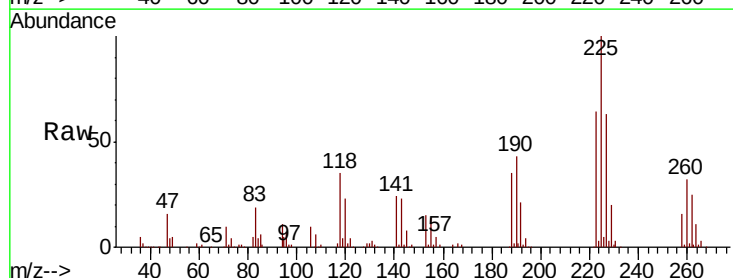


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 92.00 (91.70 to 92.70): BF1

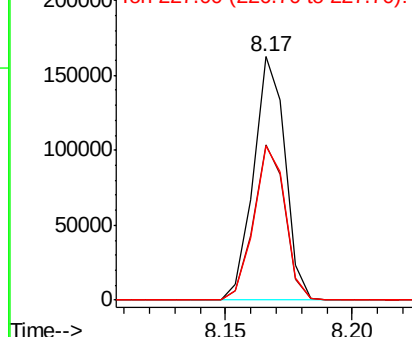
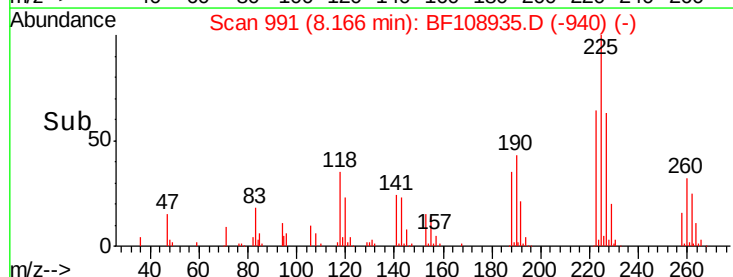


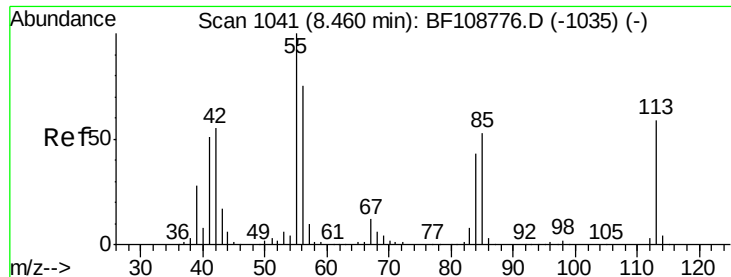
#34  
Hexachlorobutadiene  
Concen: 22.242 ng  
RT: 8.17 min Scan# 991  
Delta R.T. -0.00 min  
Lab File: BF108935.D  
Acq: 11 Sep 2018 15:14

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 140646 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 63.7  | 50.6  | 76.0   |
| 227      | 63.4  | 51.9  | 77.9   |



Abundance Ion 225.00 (224.70 to 225.70): E  
Ion 223.00 (222.70 to 223.70): E  
Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 20.979 ng

RT: 8.44 min Scan# 1037

Delta R.T. -0.02 min

Lab File: BF108935.D

Acq: 11 Sep 2018 15:14

Instrument :

BNA\_F

ClientSampleId :

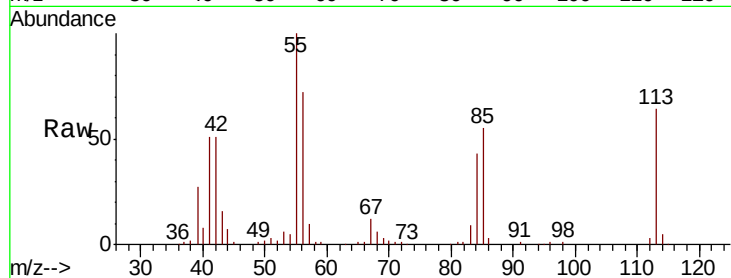
Tot Ion:113 Resp: 69434

Ion Ratio Lower Upper

113 100

55 156.5 163.3 203.3#

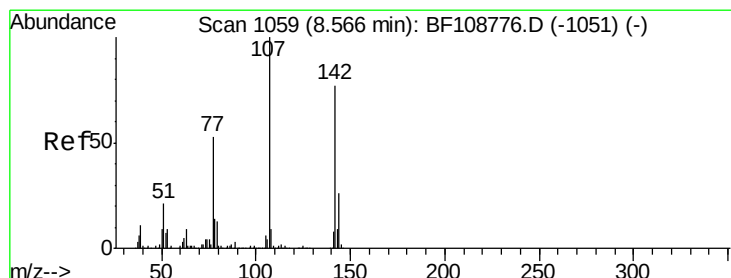
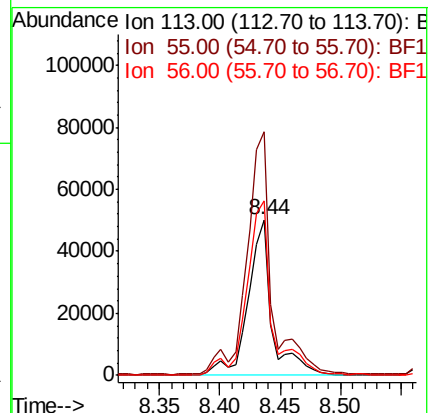
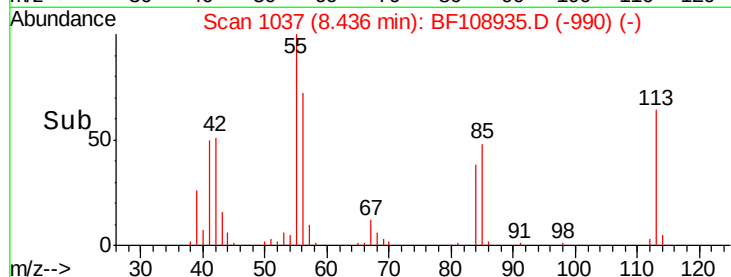
56 112.0 115.7 155.7#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#36

4-Chloro-3-methylphenol

Concen: 22.561 ng

RT: 8.57 min Scan# 1060

Delta R.T. 0.01 min

Lab File: BF108935.D

Acq: 11 Sep 2018 15:14

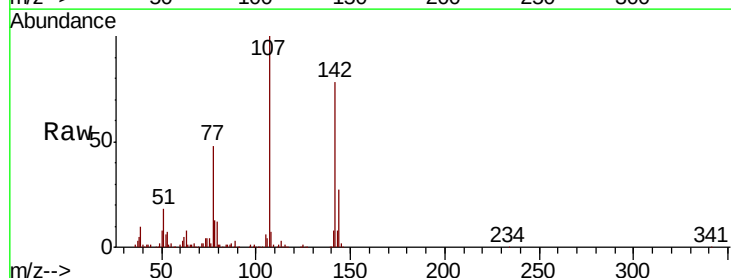
Tgt Ion:107 Resp: 234743

Ion Ratio Lower Upper

107 100

144 27.3 20.5 30.7

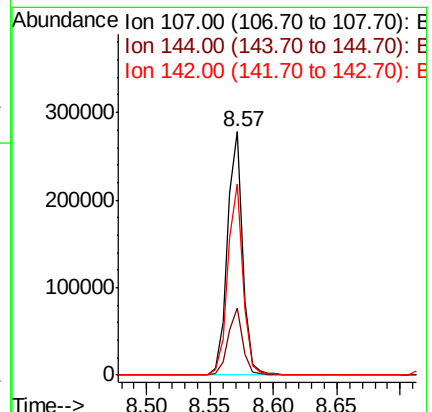
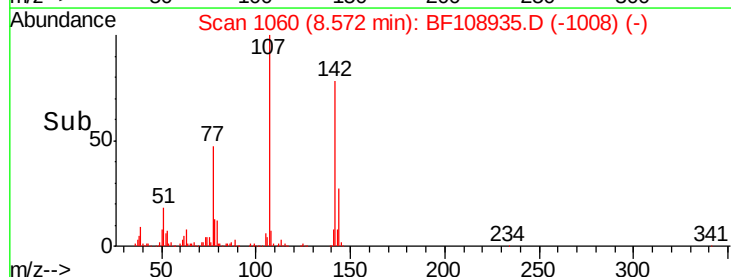
142 78.5 62.0 93.0

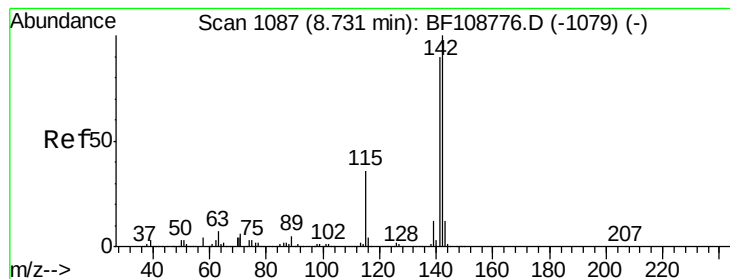


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 25.677 ng

RT: 8.73 min Scan# 1087

Delta R.T. -0.00 min

Lab File: BF108935.D

Acq: 11 Sep 2018 15:14

Instrument :

BNA\_F

ClientSampleId :

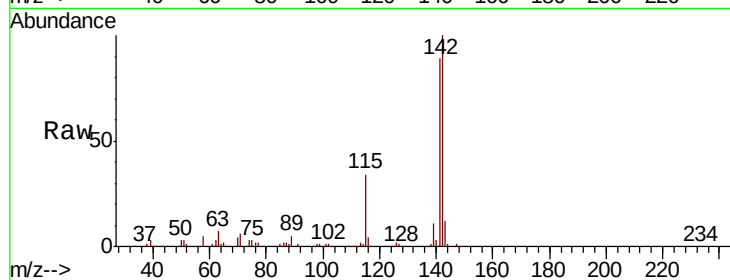
Tot Ion:142 Resp: 527028

Ion Ratio Lower Upper

142 100

141 89.3 70.8 106.2

115 34.1 26.1 39.1

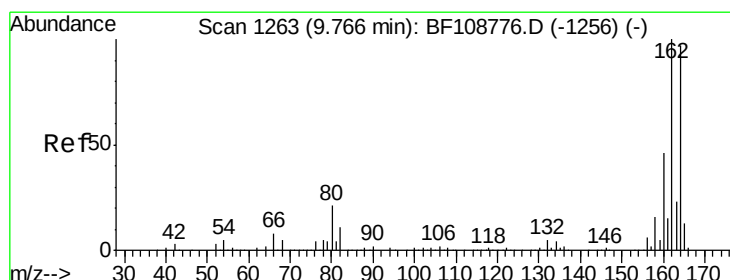
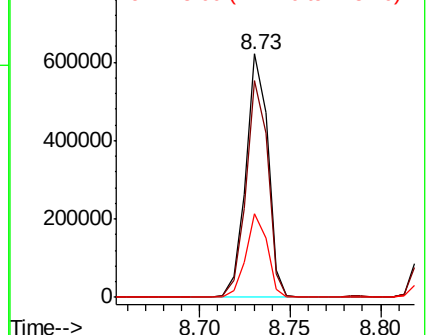
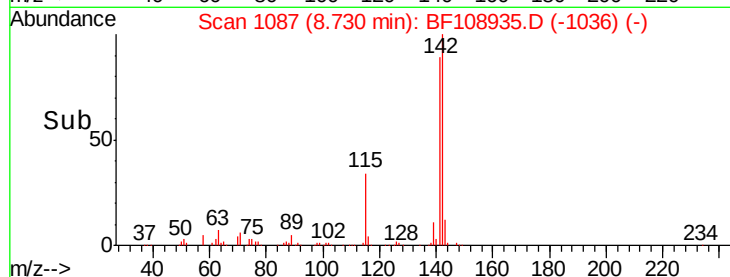


Abundance

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# 1264

Delta R.T. 0.01 min

Lab File: BF108935.D

Acq: 11 Sep 2018 15:14

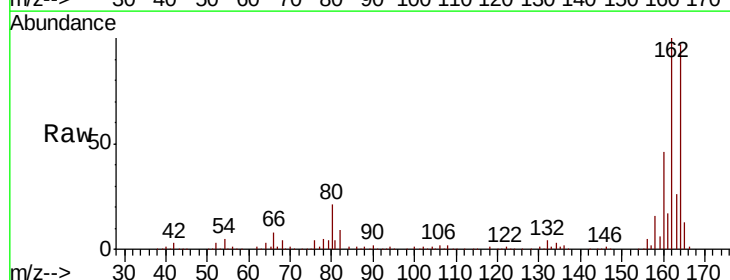
Tgt Ion:164 Resp: 327032

Ion Ratio Lower Upper

164 100

162 103.0 86.1 129.1

160 46.9 38.3 57.5

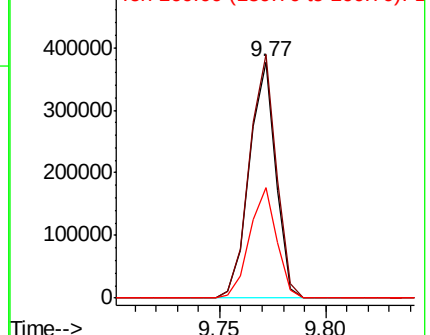
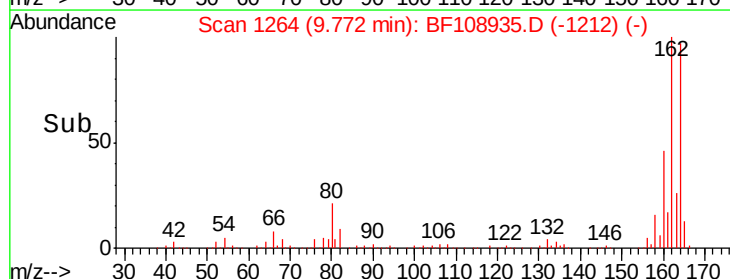


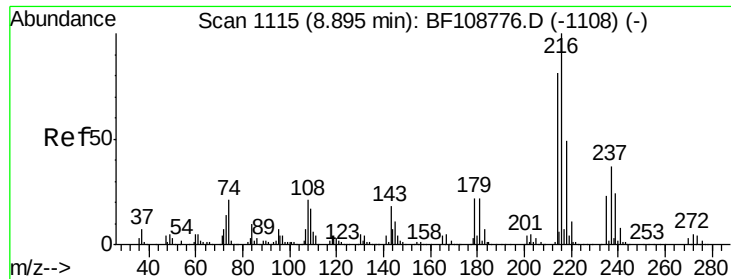
Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#39

1,2,4,5-Tetrachlorobenzene

Concen: 23.096 ng

RT: 8.90 min Scan# 1116

Delta R.T. 0.01 min

Lab File: BF108935.D

Acq: 11 Sep 2018 15:14

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:216 Resp: 225789

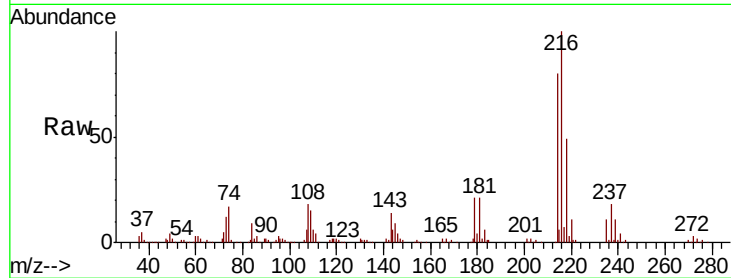
Ion Ratio Lower Upper

216 100

214 79.5 63.0 94.4

179 20.6 18.1 27.1

108 21.1 17.2 25.8

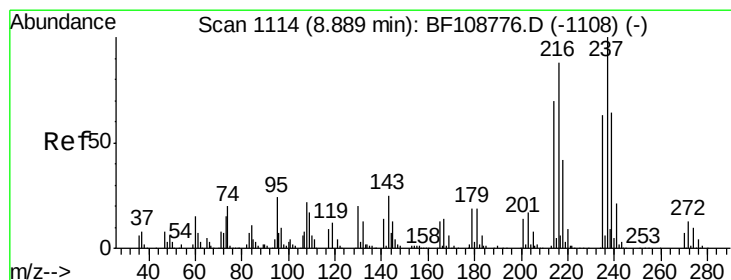
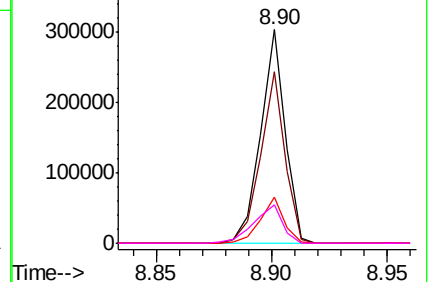
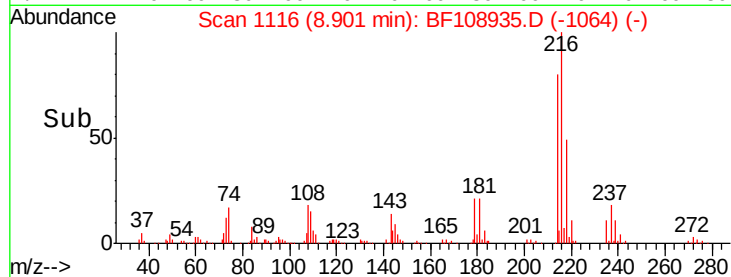


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 49.905 ng

RT: 8.90 min Scan# 1115

Delta R.T. 0.01 min

Lab File: BF108935.D

Acq: 11 Sep 2018 15:14

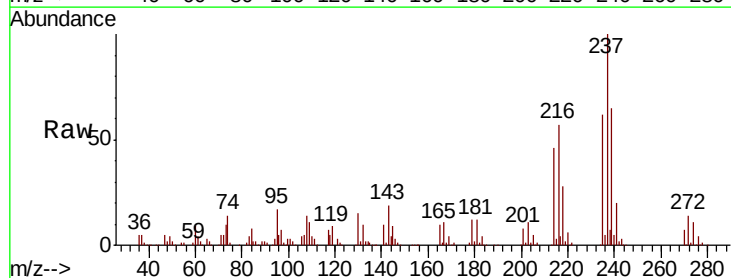
Tgt Ion:237 Resp: 245438

Ion Ratio Lower Upper

237 100

235 62.1 44.8 84.8

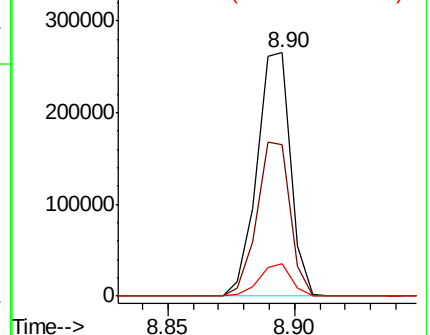
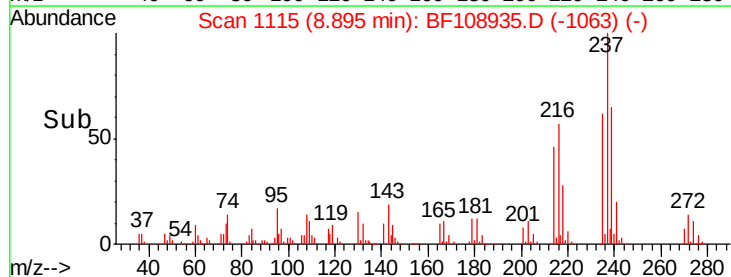
272 13.5 0.0 33.3



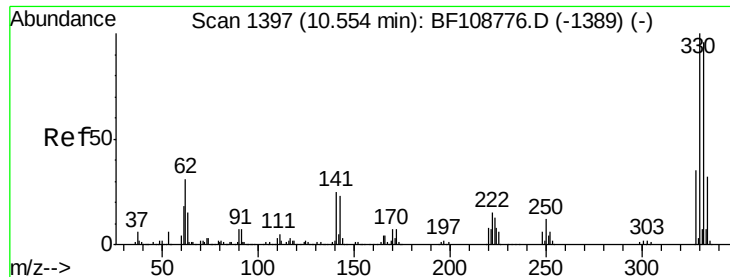
Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



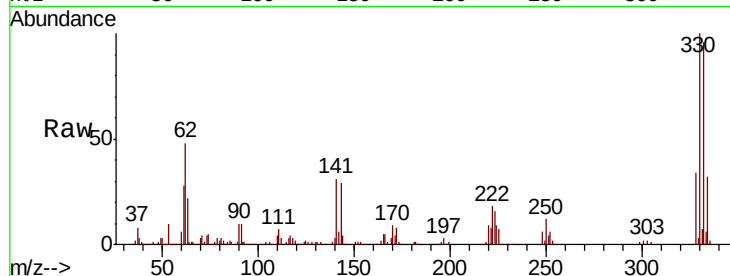




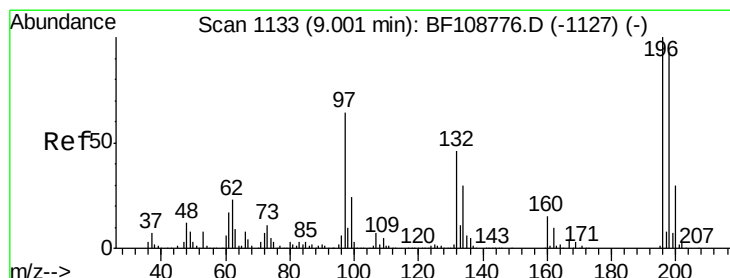
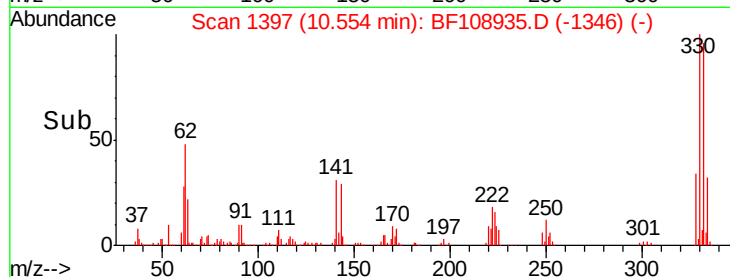
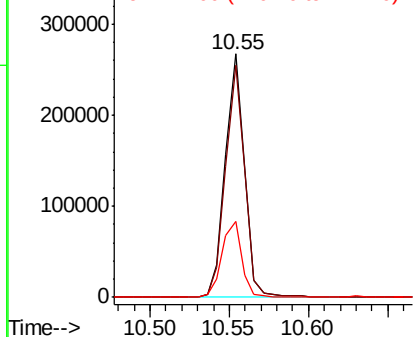
#41  
 2,4,6-Tribromophenol  
 Concen: 72.223 ng  
 RT: 10.55 min Scan# 1397  
 Delta R.T. -0.00 min  
 Lab File: BF108935.D  
 Acq: 11 Sep 2018 15:14

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.0  | 77.0  | 115.6 |
| 141     | 32.6  | 29.9  | 44.9  |

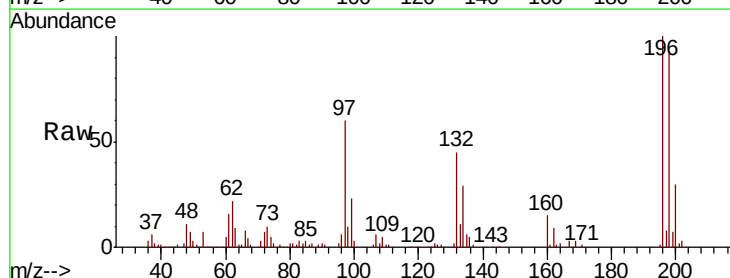


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

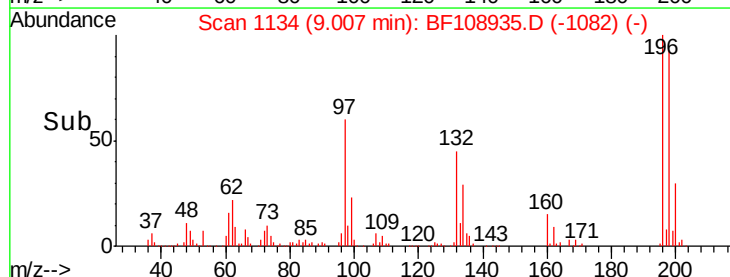
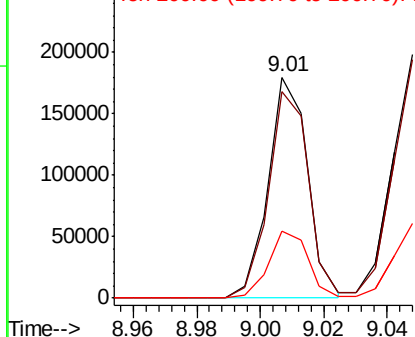


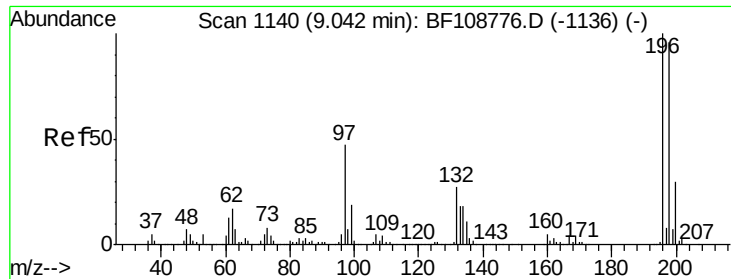
#42  
 2,4,6-Trichlorophenol  
 Concen: 23.415 ng  
 RT: 9.01 min Scan# 1134  
 Delta R.T. 0.01 min  
 Lab File: BF108935.D  
 Acq: 11 Sep 2018 15:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 93.2  | 75.7  | 113.5 |
| 200     | 30.3  | 24.5  | 36.7  |



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

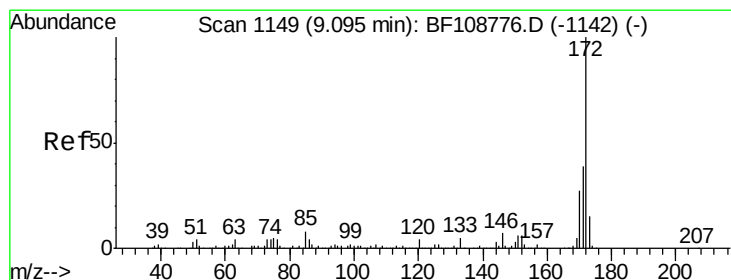
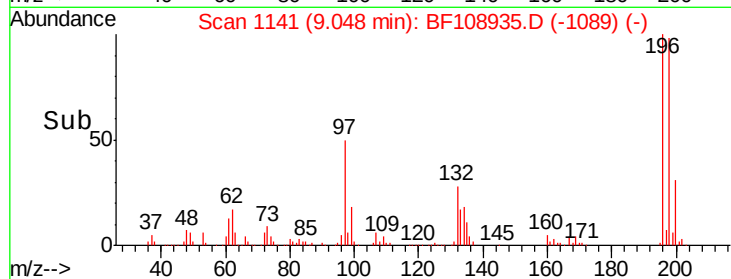
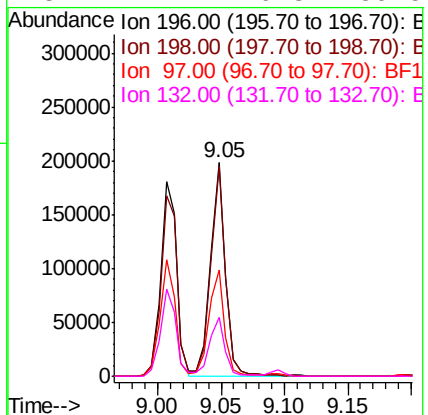
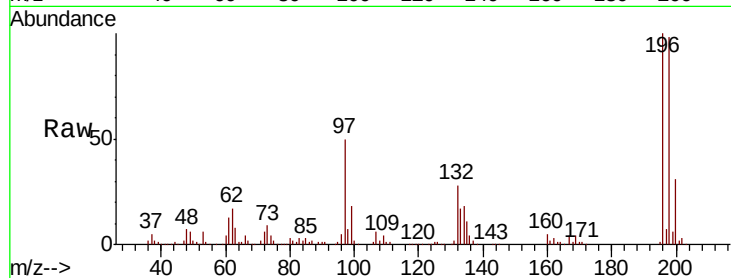




#43  
 2,4,5-Trichlorophenol  
 Concen: 24.283 ng  
 RT: 9.05 min Scan# 1141  
 Delta R.T. 0.01 min  
 Lab File: BF108935.D  
 Acq: 11 Sep 2018 15:14

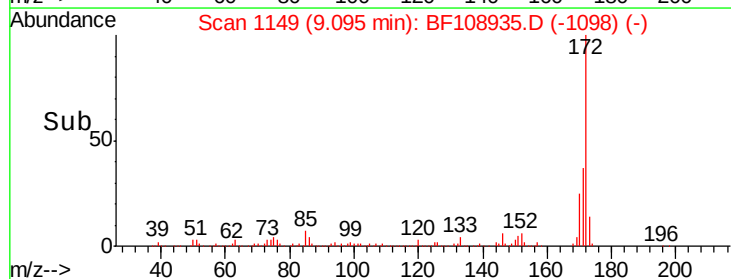
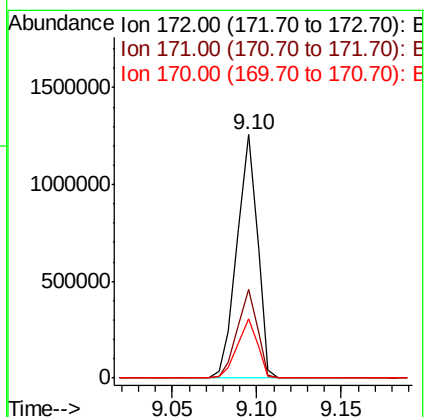
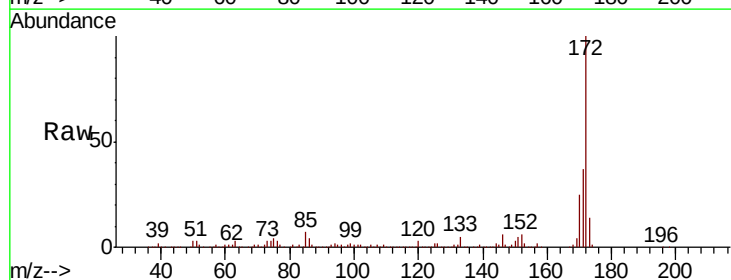
Instrument :  
 BNA\_F  
 ClientSampleId :

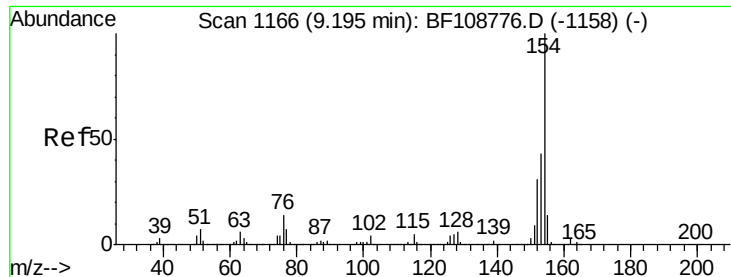
|             |       |            |
|-------------|-------|------------|
| Tot Ion:196 | Resp: | 167607     |
| Ion Ratio   | Lower | Upper      |
| 196         | 100   |            |
| 198         | 98.0  | 74.6 112.0 |
| 97          | 49.5  | 42.9 64.3  |
| 132         | 27.7  | 26.3 39.5  |



#44  
 2-Fluorobiphenyl  
 Concen: 55.451 ng  
 RT: 9.10 min Scan# 1149  
 Delta R.T. -0.00 min  
 Lab File: BF108935.D  
 Acq: 11 Sep 2018 15:14

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:172 | Resp: | 1062981   |
| Ion Ratio   | Lower | Upper     |
| 172         | 100   |           |
| 171         | 36.7  | 29.7 44.5 |
| 170         | 24.5  | 19.6 29.4 |

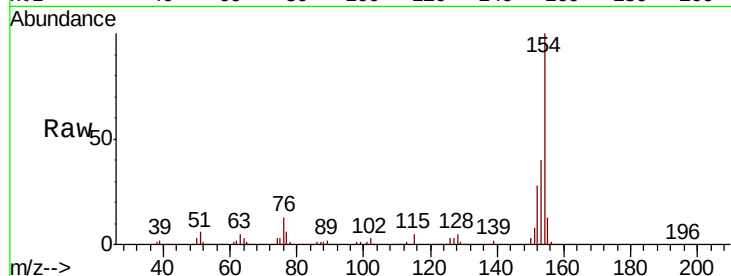




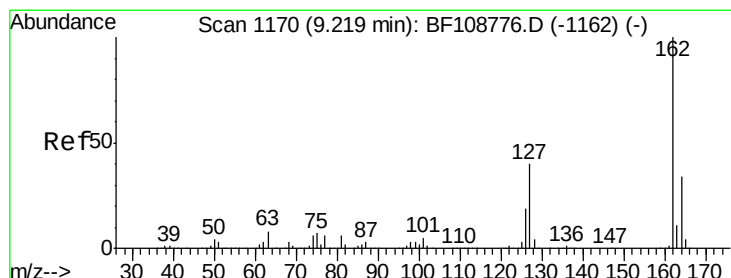
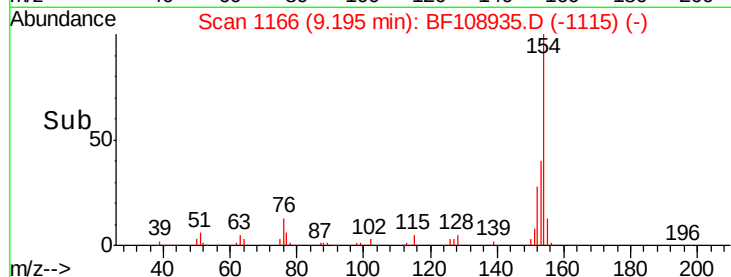
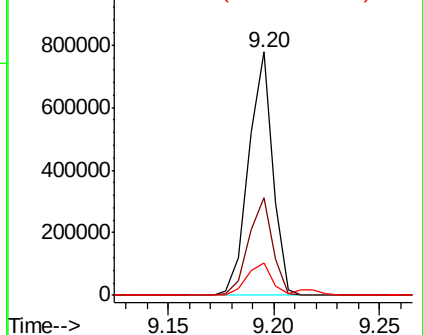
#45  
 1,1'-Biphenyl  
 Concen: 24.503 ng  
 RT: 9.20 min Scan# 1166  
 Delta R.T. -0.00 min  
 Lab File: BF108935.D  
 Acq: 11 Sep 2018 15:14

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 40.3  | 21.3  | 61.3  |
| 76      | 13.3  | 0.0   | 34.0  |

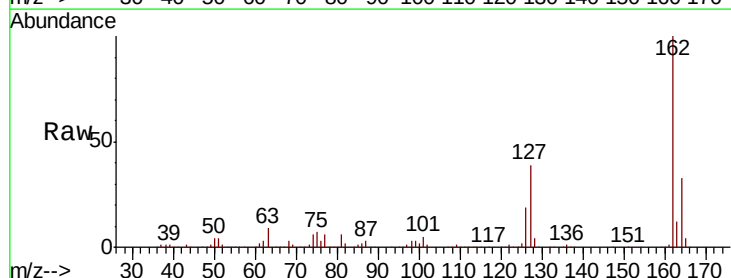


Abundance Ion 154.00 (153.70 to 154.70): E  
 Ion 153.00 (152.70 to 153.70): E  
 Ion 76.00 (75.70 to 76.70): BF1

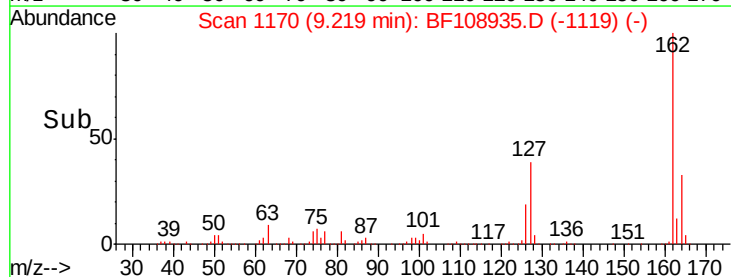
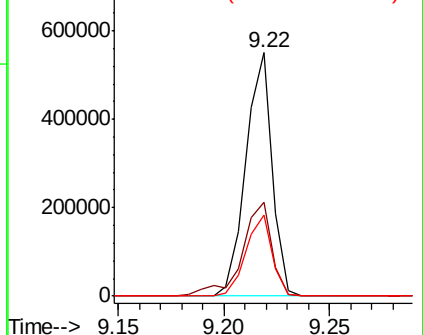


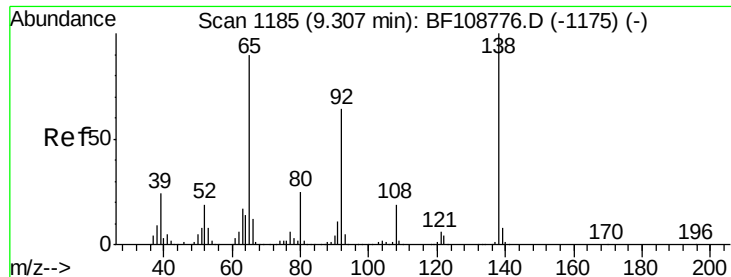
#46  
 2-Chloronaphthalene  
 Concen: 23.344 ng  
 RT: 9.22 min Scan# 1170  
 Delta R.T. -0.00 min  
 Lab File: BF108935.D  
 Acq: 11 Sep 2018 15:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 38.8  | 33.9  | 50.9  |
| 164     | 33.3  | 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

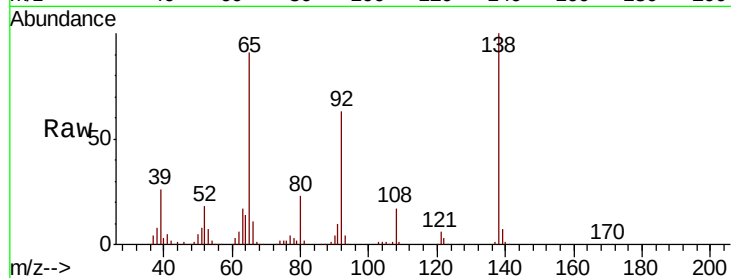




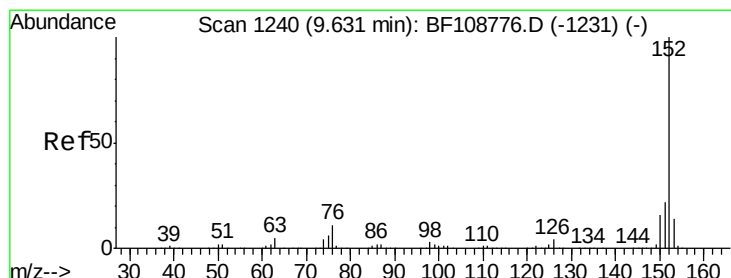
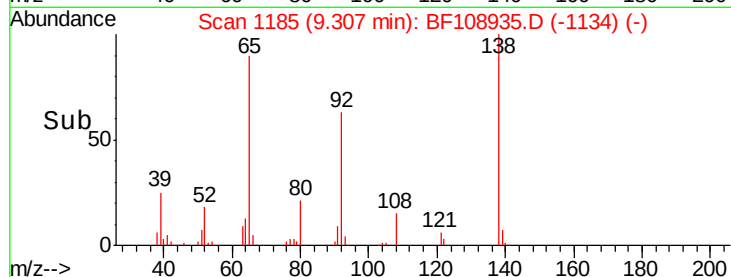
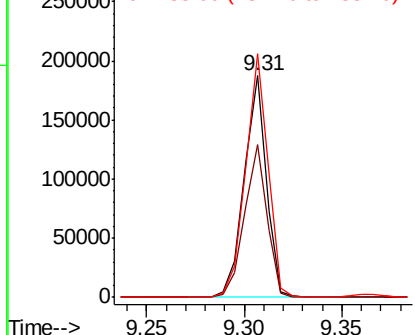
#47  
2-Nitroaniline  
Concen: 26.523 ng  
RT: 9.31 min Scan# 1185  
Delta R.T. -0.00 min  
Lab File: BF108935.D  
Acq: 11 Sep 2018 15:14

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion: 65 Resp: 147534  
Ion Ratio Lower Upper  
65 100  
92 69.1 55.8 83.6  
138 109.8 91.2 136.8

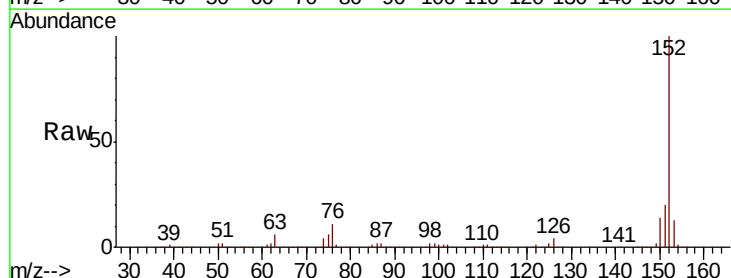


Abundance Ion 65.00 (64.70 to 65.70): BF1  
Ion 92.00 (91.70 to 92.70): BF1  
Ion 138.00 (137.70 to 138.70): BF1

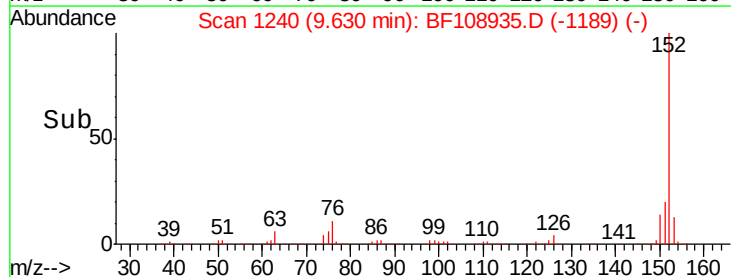
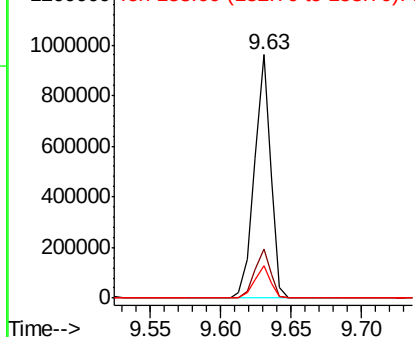


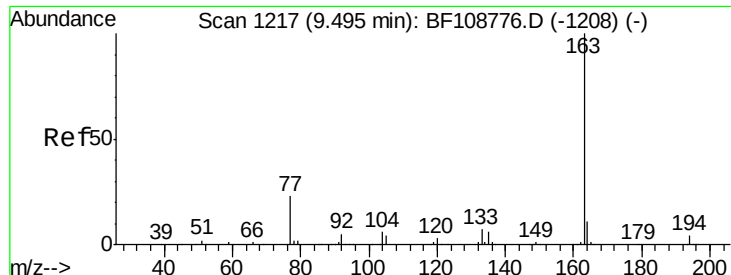
#48  
Acenaphthylene  
Concen: 25.692 ng  
RT: 9.63 min Scan# 1240  
Delta R.T. -0.00 min  
Lab File: BF108935.D  
Acq: 11 Sep 2018 15:14

Tgt Ion: 152 Resp: 779786  
Ion Ratio Lower Upper  
152 100  
151 20.2 16.3 24.5  
153 13.1 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

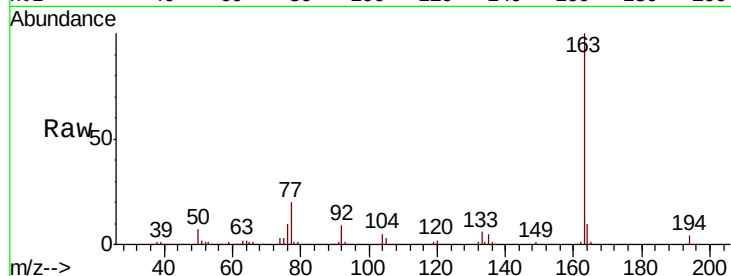




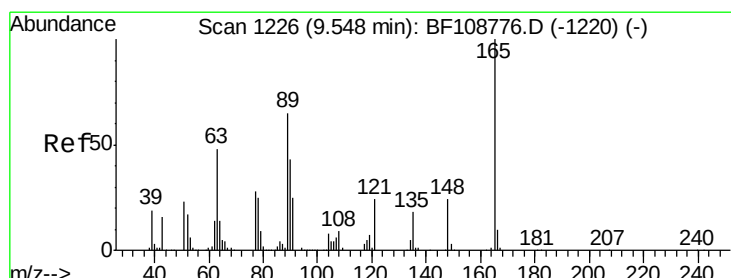
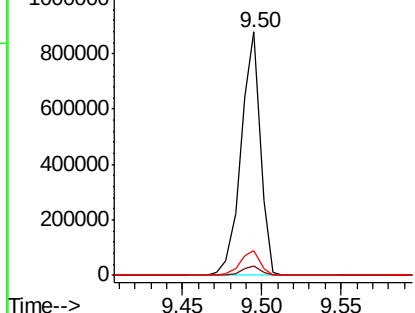
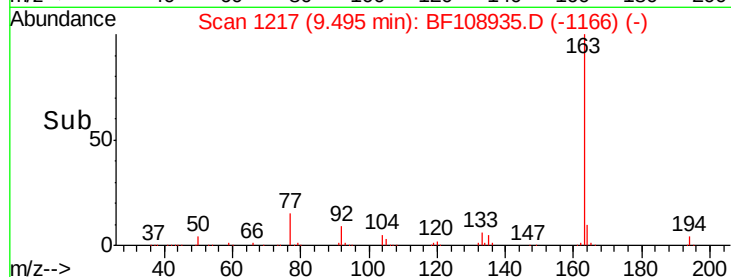
#49  
Dimethylphthalate  
Concen: 32.346 ng  
RT: 9.50 min Scan# 1217  
Delta R.T. -0.00 min  
Lab File: BF108935.D  
Acq: 11 Sep 2018 15:14

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:163 Resp: 739870  
Ion Ratio Lower Upper  
163 100  
194 3.9 2.7 4.1  
164 10.1 8.2 12.2

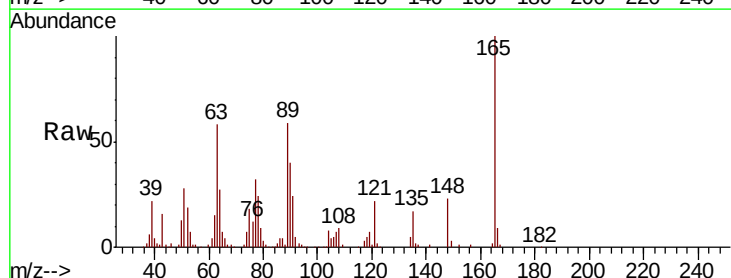


Abundance Ion 163.00 (162.70 to 163.70): E  
1200000  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

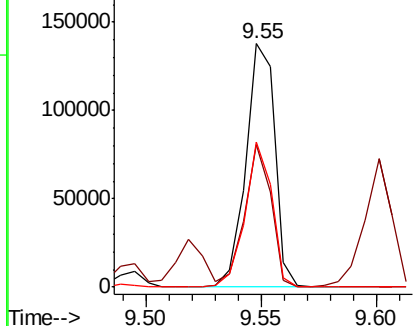
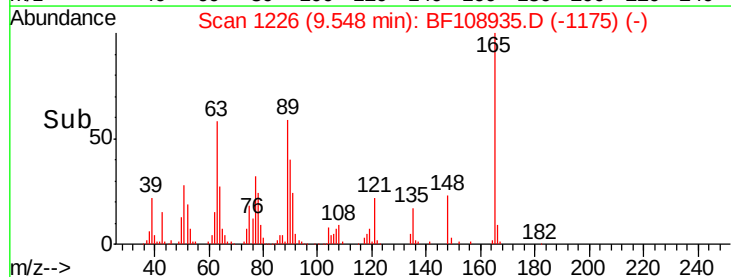


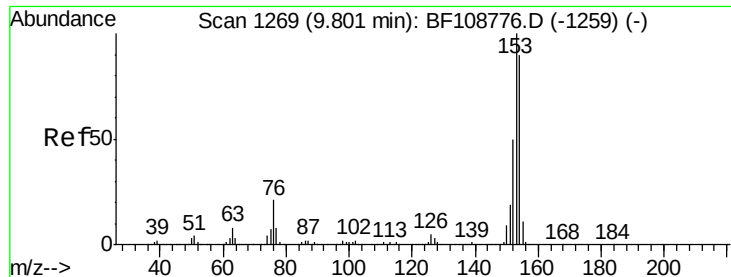
#50  
2,6-Dinitrotoluene  
Concen: 27.780 ng  
RT: 9.55 min Scan# 1226  
Delta R.T. -0.00 min  
Lab File: BF108935.D  
Acq: 11 Sep 2018 15:14

Tgt Ion:165 Resp: 121081  
Ion Ratio Lower Upper  
165 100  
63 58.3 44.7 67.1  
89 59.5 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: 24.687 ng

RT: 9.80 min Scan# 1269

Delta R.T. -0.00 min

Lab File: BF108935.D

Acq: 11 Sep 2018 15:14

Instrument :

BNA\_F

ClientSampleId :

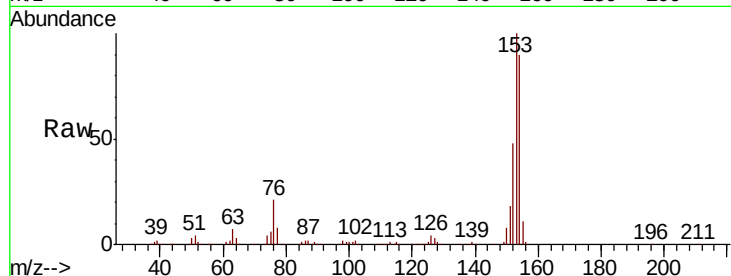
Tot Ion:154 Resp: 463671

Ion Ratio Lower Upper

154 100

153 110.6 91.2 136.8

152 52.6 43.8 65.8

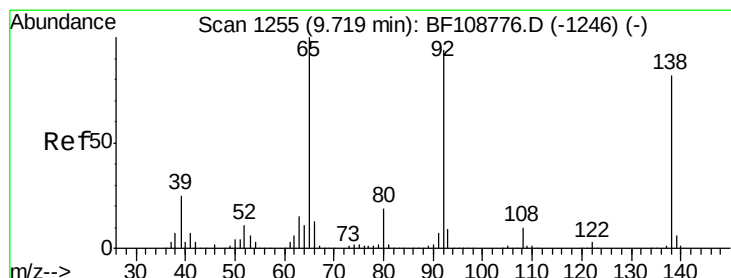
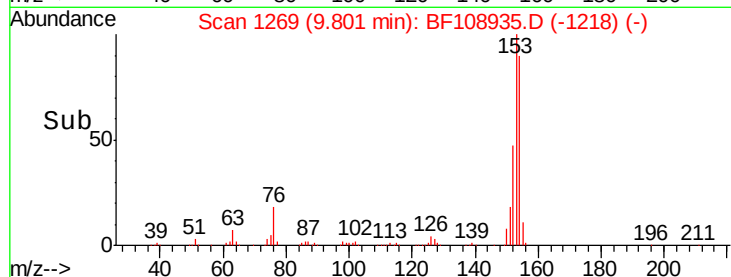
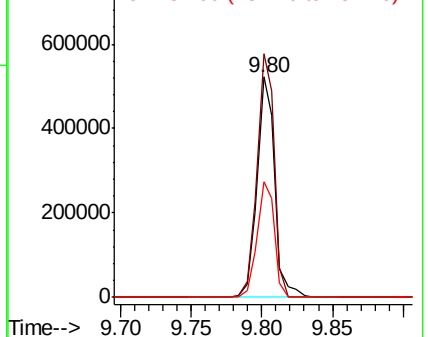


Abundance

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: 20.060 ng

RT: 9.71 min Scan# 1254

Delta R.T. -0.01 min

Lab File: BF108935.D

Acq: 11 Sep 2018 15:14

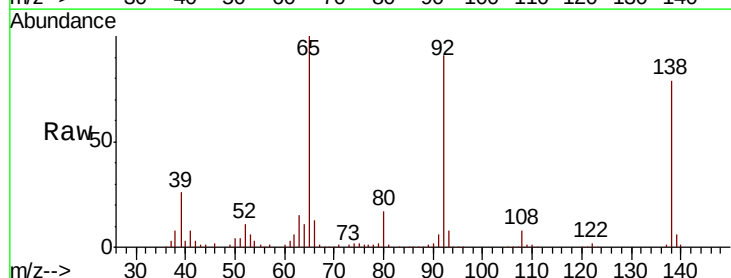
Tgt Ion:138 Resp: 104076

Ion Ratio Lower Upper

138 100

108 10.6 9.4 14.0

92 115.8 89.4 134.2

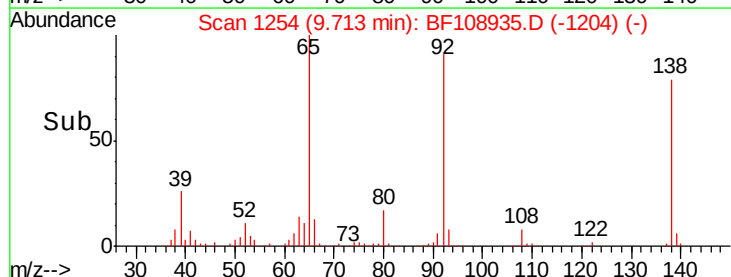
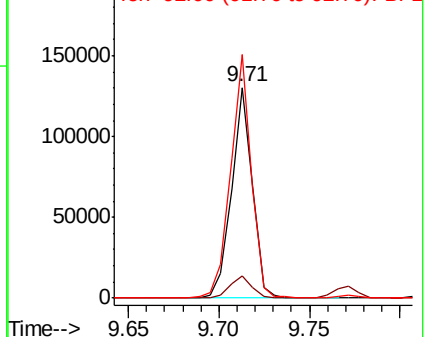


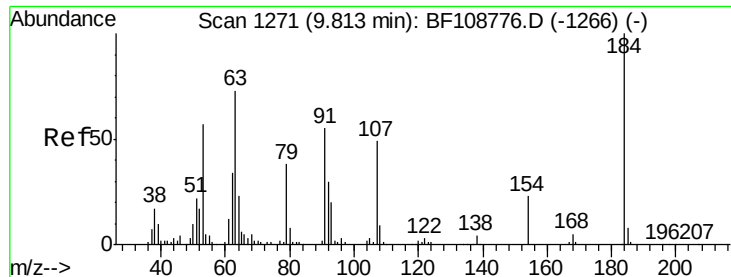
Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1

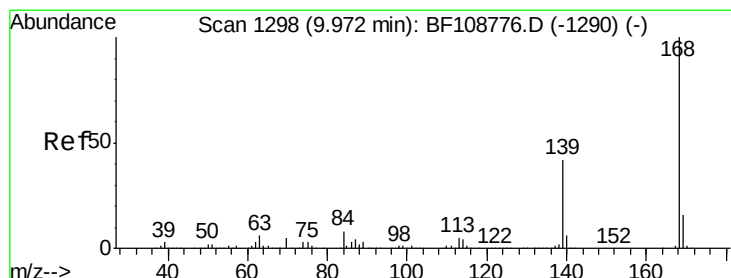
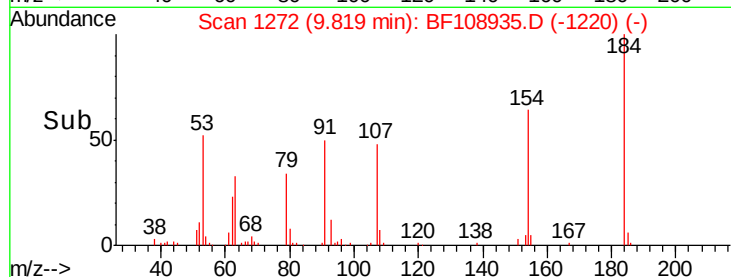
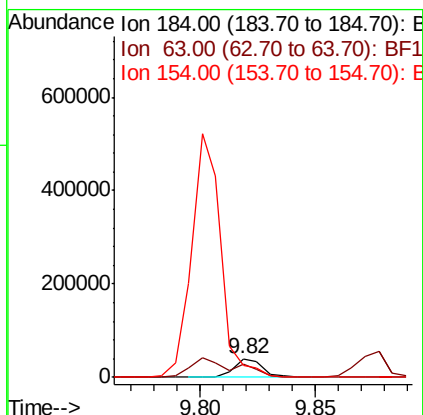
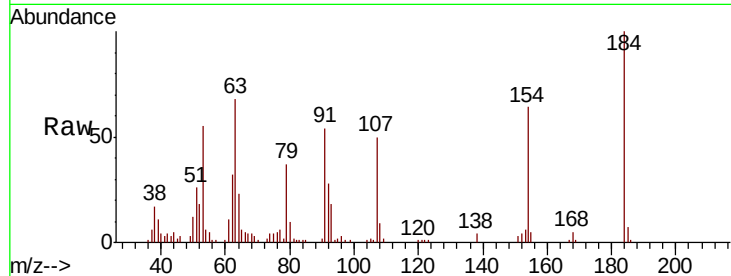




#53  
 2,4-Dinitrophenol  
 Concen: 28.513 ng  
 RT: 9.82 min Scan# 1272  
 Delta R.T. 0.01 min  
 Lab File: BF108935.D  
 Acq: 11 Sep 2018 15:14

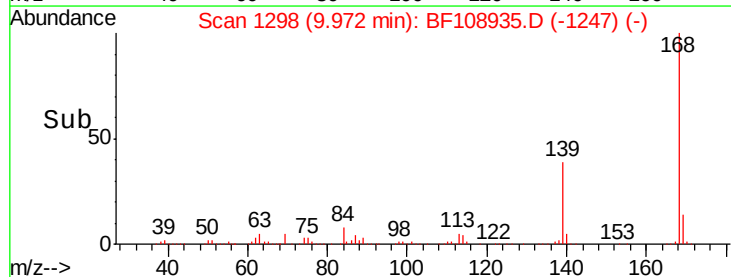
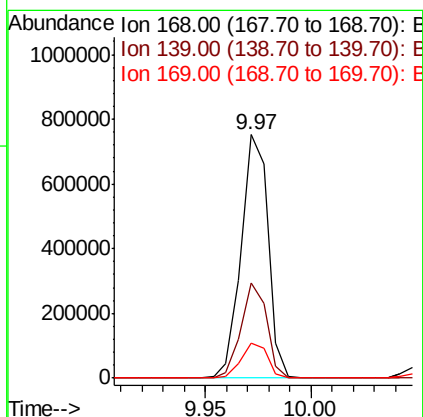
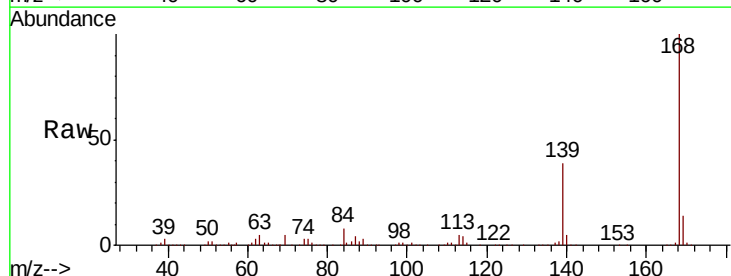
Instrument :  
 BNA\_F  
 ClientSampleId :

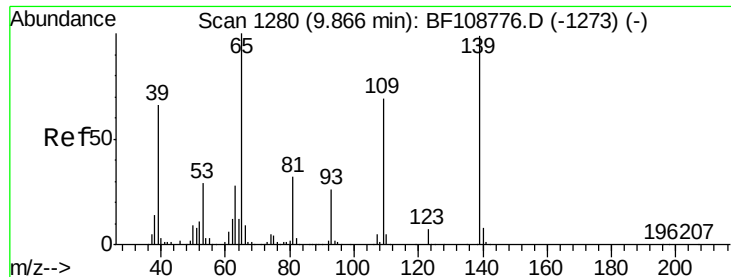
Tot Ion:184 Resp: 34809  
 Ion Ratio Lower Upper  
 184 100  
 63 68.5 54.2 81.2  
 154 64.3 184.0 276.0#



#54  
 Dibenzofuran  
 Concen: 24.232 ng  
 RT: 9.97 min Scan# 1298  
 Delta R.T. -0.00 min  
 Lab File: BF108935.D  
 Acq: 11 Sep 2018 15:14

Tgt Ion:168 Resp: 663433  
 Ion Ratio Lower Upper  
 168 100  
 139 38.9 30.1 45.1  
 169 14.5 10.9 16.3

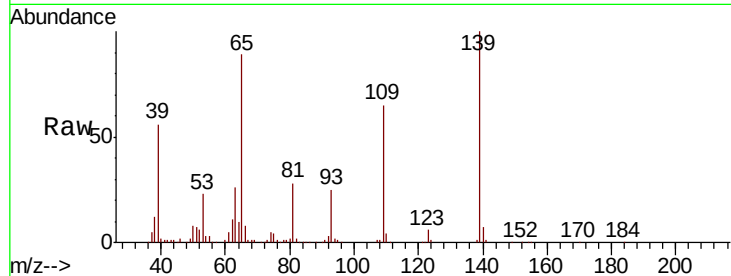




#55  
4-Nitrophenol  
Concen: 46.333 ng  
RT: 9.88 min Scan# 1282  
Delta R.T. 0.01 min  
Lab File: BF108935.D  
Acq: 11 Sep 2018 15:14

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 64.7  | 48.4  | 88.4  |
| 65      | 88.6  | 72.6  | 112.6 |

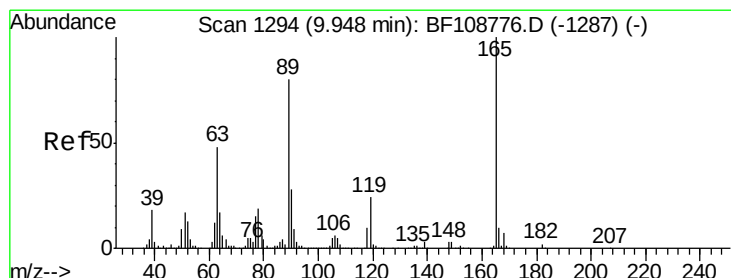
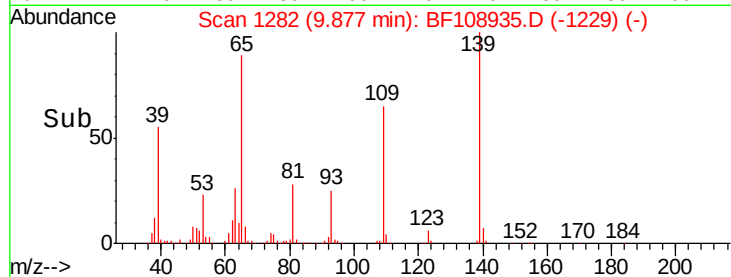
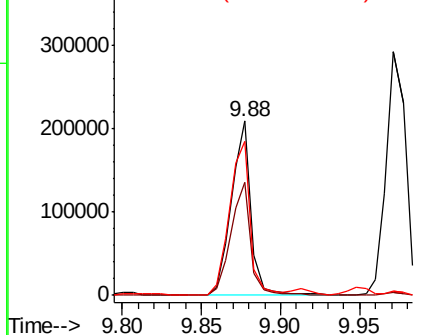


Abundance

Ion 139.00 (138.70 to 139.70): E

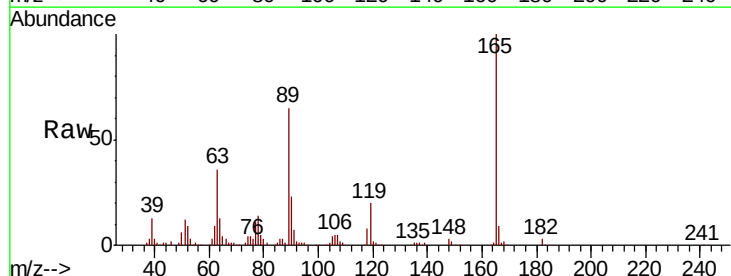
Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#56  
2,4-Dinitrotoluene  
Concen: 28.027 ng  
RT: 9.95 min Scan# 1295  
Delta R.T. 0.01 min  
Lab File: BF108935.D  
Acq: 11 Sep 2018 15:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 35.8  | 36.4  | 54.6# |
| 89      | 64.5  | 57.8  | 86.6  |
| 182     | 2.6   | 1.6   | 2.4#  |



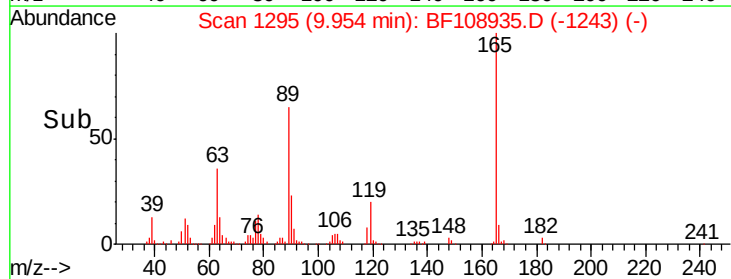
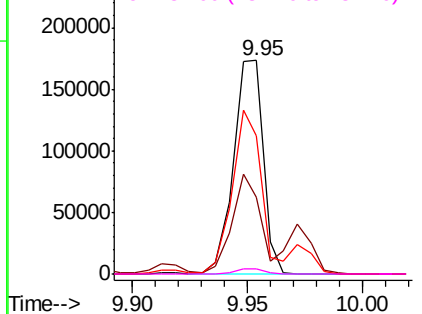
Abundance

Ion 165.00 (164.70 to 165.70): E

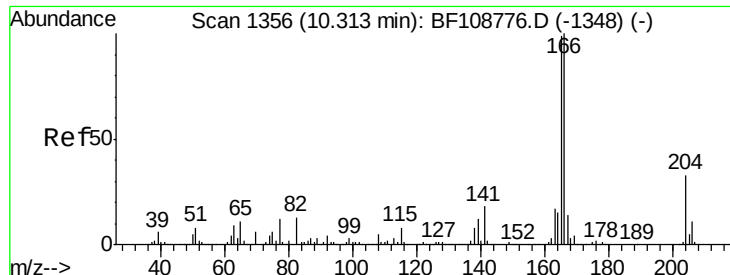
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



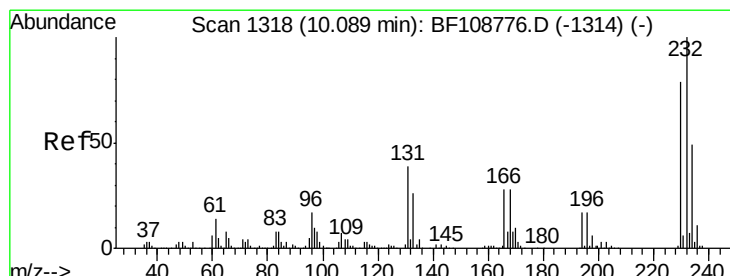
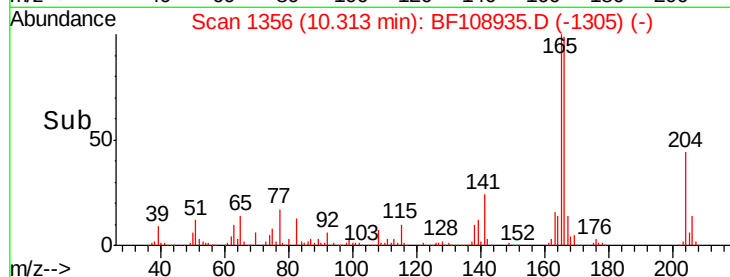
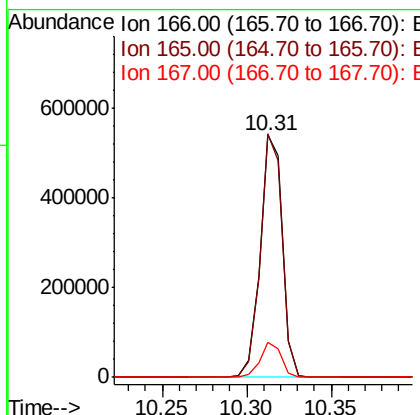
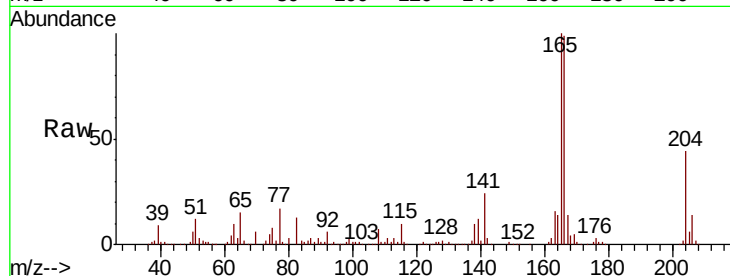




#57  
 Fluorene  
 Concen: 27.835 ng  
 RT: 10.31 min Scan# 1356  
 Delta R.T. -0.00 min  
 Lab File: BF108935.D  
 Acq: 11 Sep 2018 15:14

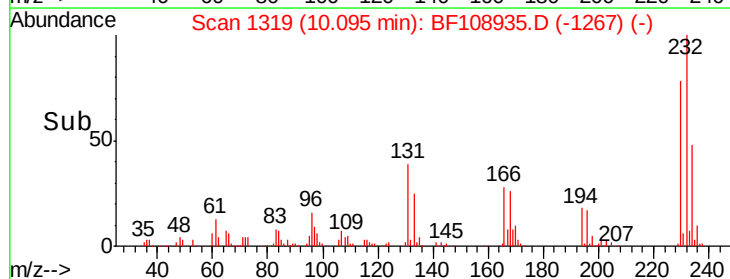
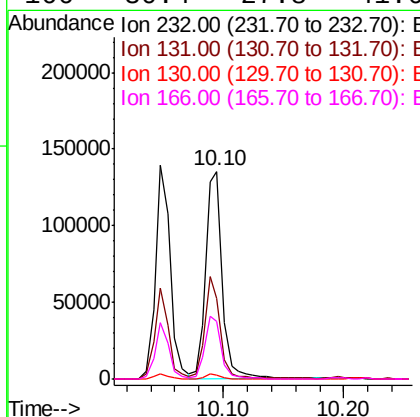
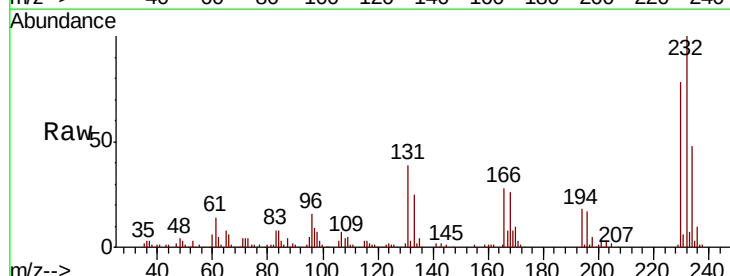
Instrument :  
 BNA\_F  
 ClientSampleId :

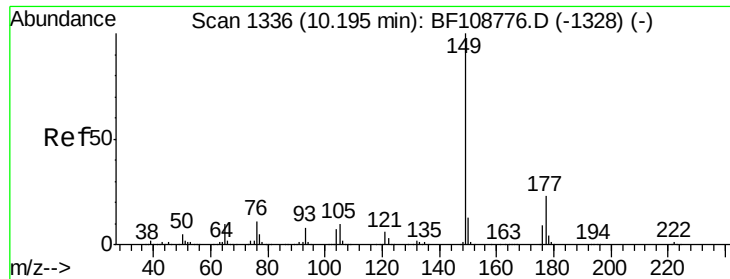
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 100.5 | 79.8  | 119.8 |
| 167     | 14.3  | 10.6  | 16.0  |



#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 23.154 ng  
 RT: 10.10 min Scan# 1319  
 Delta R.T. 0.01 min  
 Lab File: BF108935.D  
 Acq: 11 Sep 2018 15:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 44.6  | 43.8  | 65.8  |
| 130     | 2.1   | 2.1   | 3.1#  |
| 166     | 30.4  | 27.8  | 41.6  |

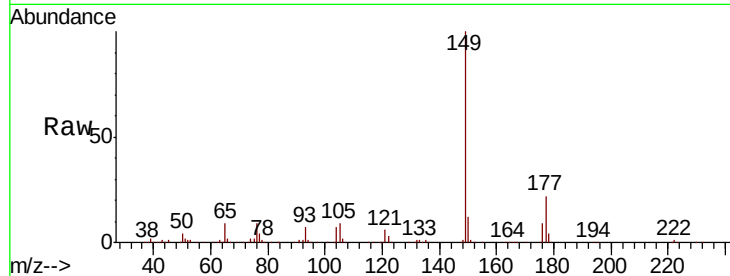




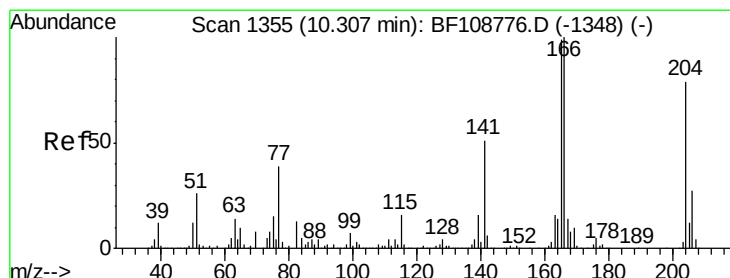
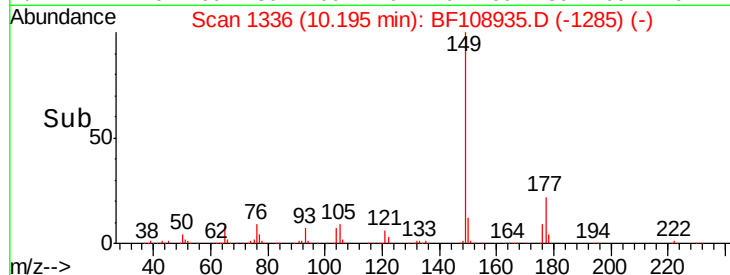
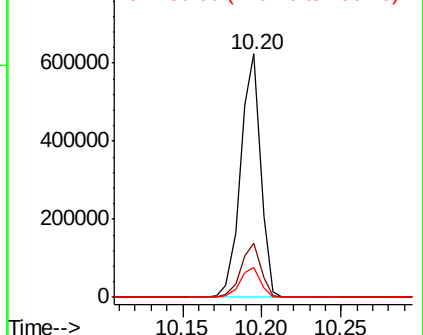
#59  
Diethylphthalate  
Concen: 23.074 ng  
RT: 10.20 min Scan# 1336  
Delta R.T. -0.00 min  
Lab File: BF108935.D  
Acq: 11 Sep 2018 15:14

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:149 Resp: 544657  
Ion Ratio Lower Upper  
149 100  
177 22.3 16.1 24.1  
150 12.0 10.1 15.1

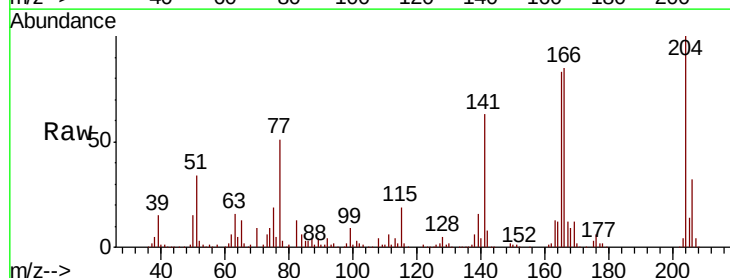


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 177.00 (176.70 to 177.70): E  
Ion 150.00 (149.70 to 150.70): E

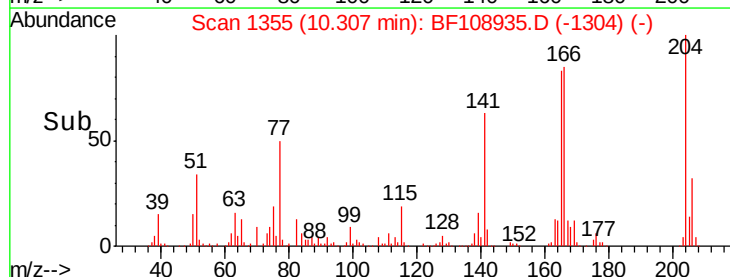
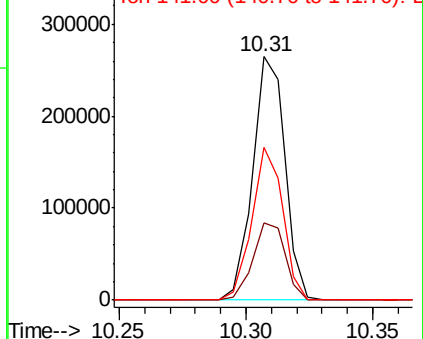


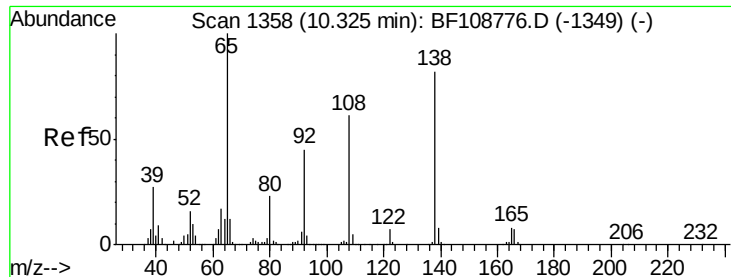
#60  
4-Chlorophenyl-phenylether  
Concen: 25.024 ng  
RT: 10.31 min Scan# 1355  
Delta R.T. -0.00 min  
Lab File: BF108935.D  
Acq: 11 Sep 2018 15:14

Tgt Ion:204 Resp: 234807  
Ion Ratio Lower Upper  
204 100  
206 31.9 26.5 39.7  
141 62.9 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

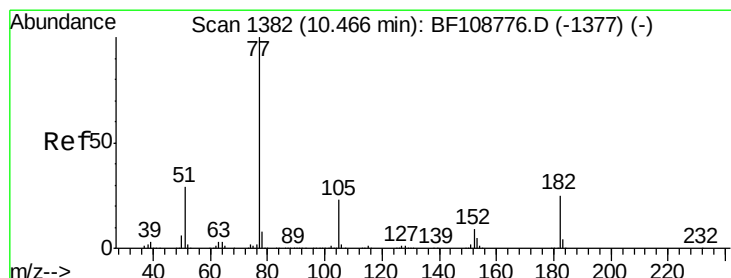
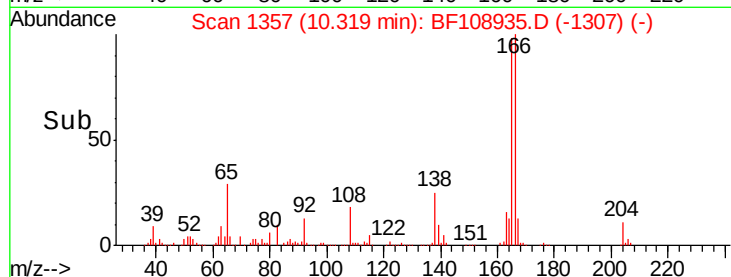
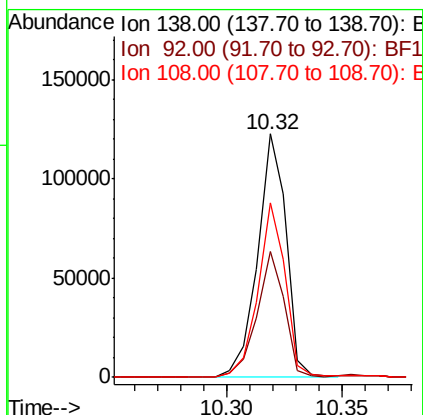
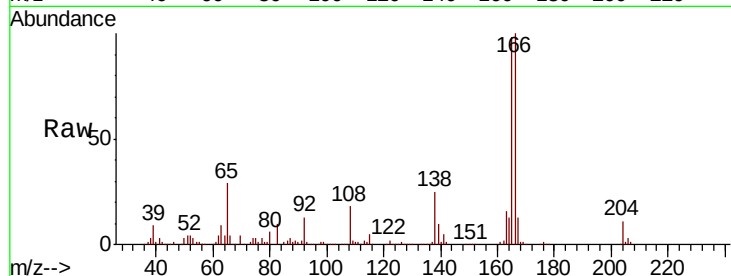




#61  
4-Nitroaniline  
Concen: 22.609 ng  
RT: 10.32 min Scan# 1357  
Delta R.T. -0.01 min  
Lab File: BF108935.D  
Acq: 11 Sep 2018 15:14

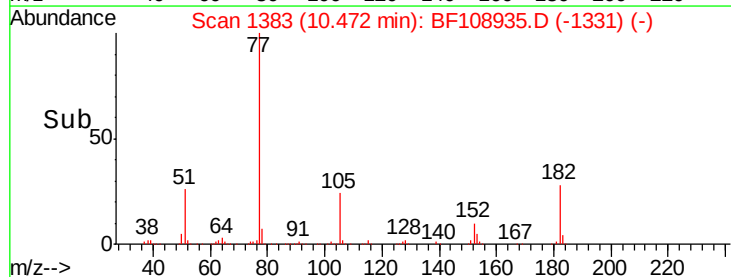
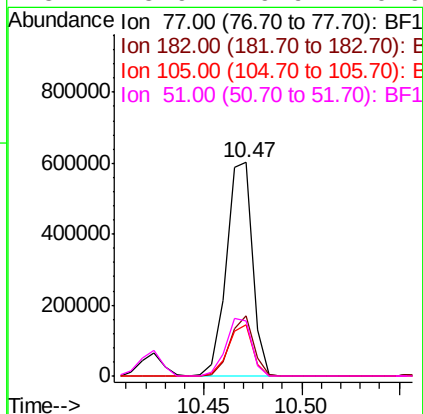
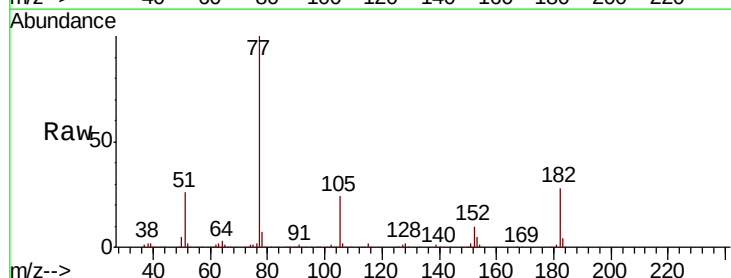
Instrument :  
BNA\_F  
ClientSampleId :

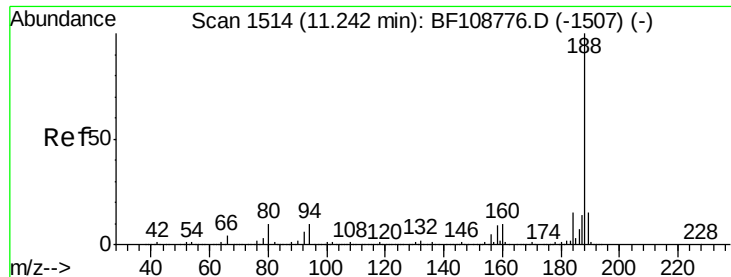
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 51.7  | 30.2  | 70.2  |
| 108     | 71.4  | 52.5  | 92.5  |



#62  
Azobenzene  
Concen: 22.787 ng  
RT: 10.47 min Scan# 1383  
Delta R.T. 0.01 min  
Lab File: BF108935.D  
Acq: 11 Sep 2018 15:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 182     | 28.2  | 1.7   | 41.7  |
| 105     | 24.0  | 3.0   | 43.0  |
| 51      | 25.9  | 9.9   | 49.9  |





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.25 min Scan# 1515

Delta R.T. 0.01 min

Lab File: BF108935.D

Acq: 11 Sep 2018 15:14

Instrument :

BNA\_F

ClientSampleId :

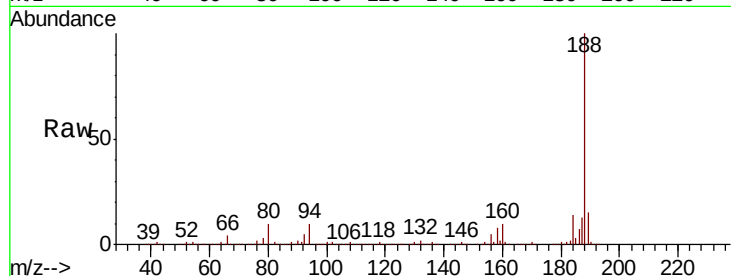
Tot Ion:188 Resp: 589726

Ion Ratio Lower Upper

188 100

94 10.0 8.5 12.7

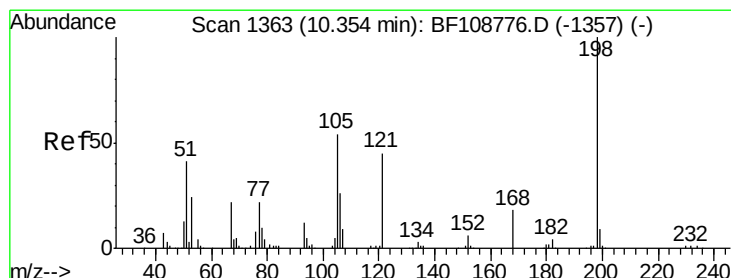
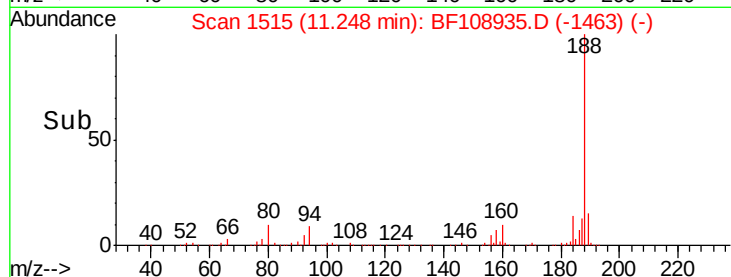
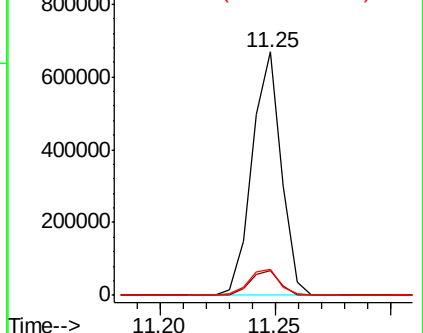
80 10.4 9.2 13.8



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: 19.624 ng

RT: 10.36 min Scan# 1364

Delta R.T. 0.01 min

Lab File: BF108935.D

Acq: 11 Sep 2018 15:14

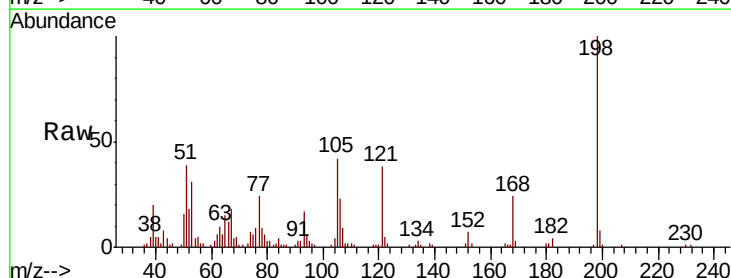
Tgt Ion:198 Resp: 34520

Ion Ratio Lower Upper

198 100

51 39.2 37.7 77.7

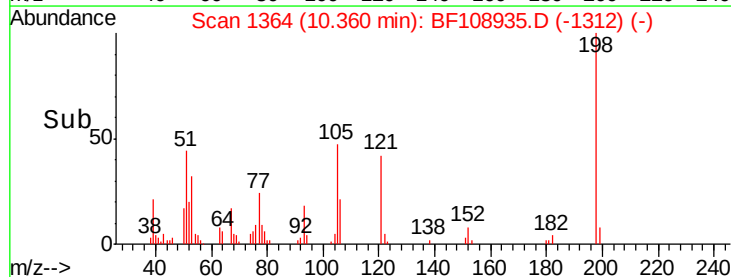
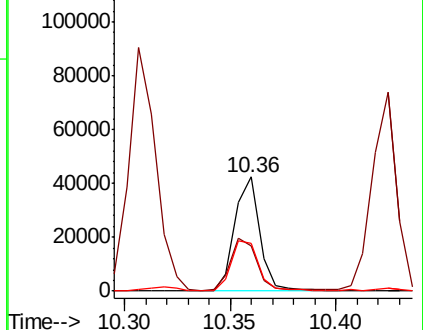
105 42.1 36.3 76.3

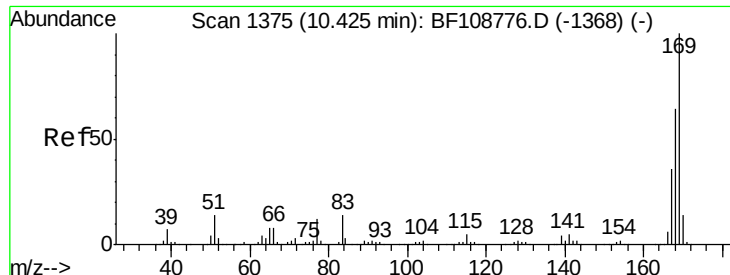


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

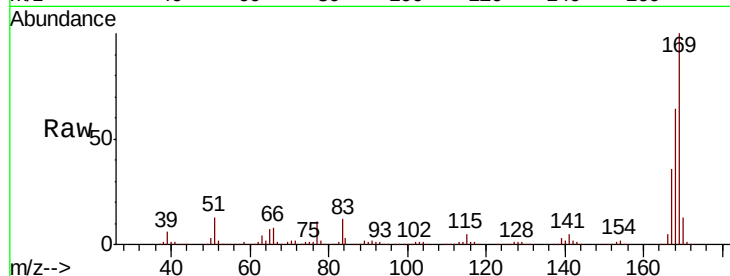




#65  
 n-Nitrosodiphenylamine  
 Concen: 23.718 ng  
 RT: 10.42 min Scan# 1375  
 Delta R.T. -0.00 min  
 Lab File: BF108935.D  
 Acq: 11 Sep 2018 15:14

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 169     | 100   |       |       |
| 168     | 63.6  | 54.4  | 81.6  |
| 167     | 35.6  | 29.8  | 44.6  |

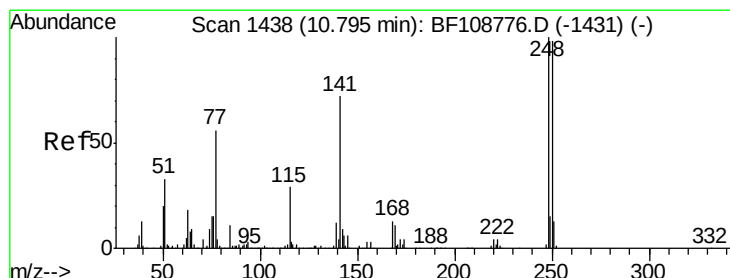
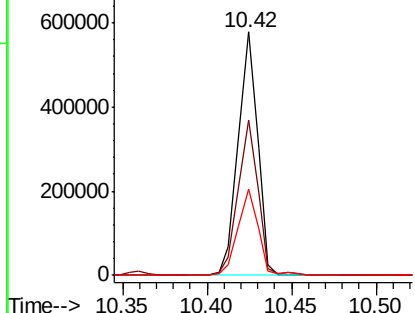
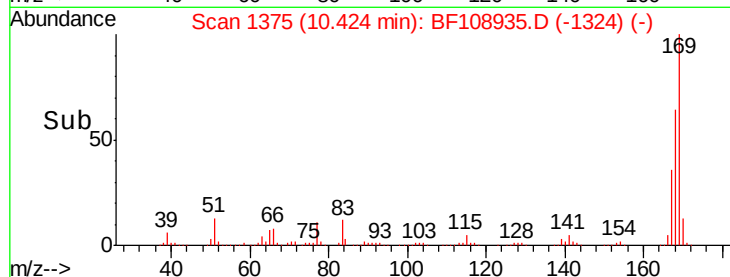


Abundance

Ion 169.00 (168.70 to 169.70): E

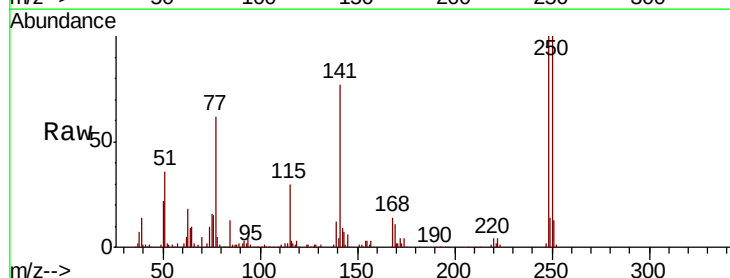
Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66  
 4-Bromophenyl-phenylether  
 Concen: 23.119 ng  
 RT: 10.80 min Scan# 1438  
 Delta R.T. -0.00 min  
 Lab File: BF108935.D  
 Acq: 11 Sep 2018 15:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 99.5  | 76.9  | 115.3 |
| 141     | 76.9  | 74.4  | 111.6 |

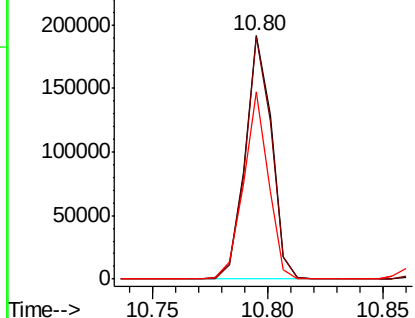
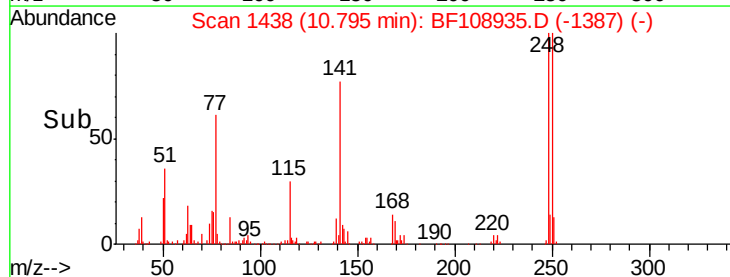


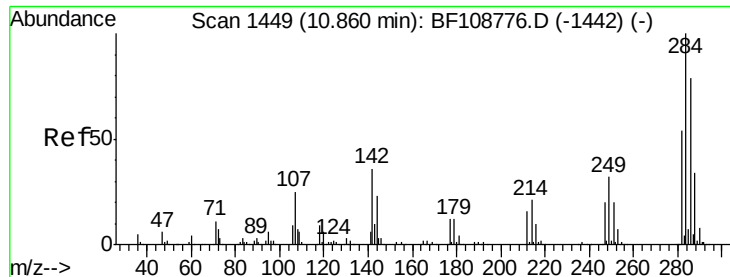
Abundance

Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

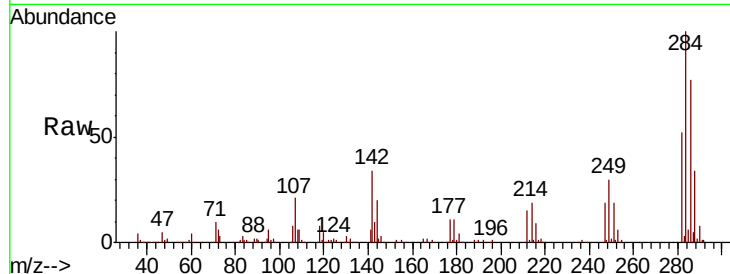




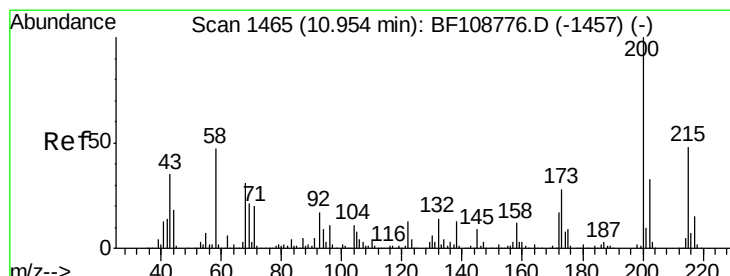
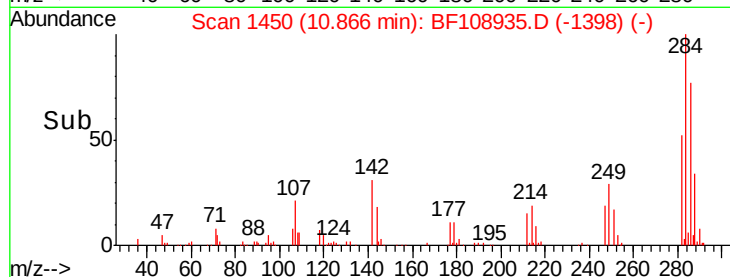
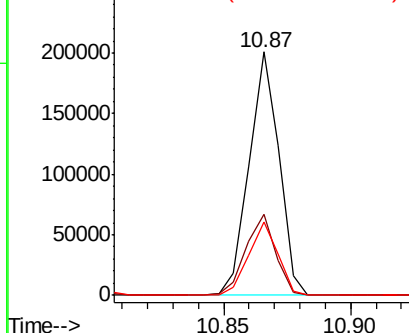
#67  
Hexachlorobenzene  
Concen: 23.207 ng  
RT: 10.87 min Scan# 1450  
Delta R.T. 0.01 min  
Lab File: BF108935.D  
Acq: 11 Sep 2018 15:14

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:284 Resp: 165005  
Ion Ratio Lower Upper  
284 100  
142 33.6 34.6 52.0#  
249 30.3 24.8 37.2

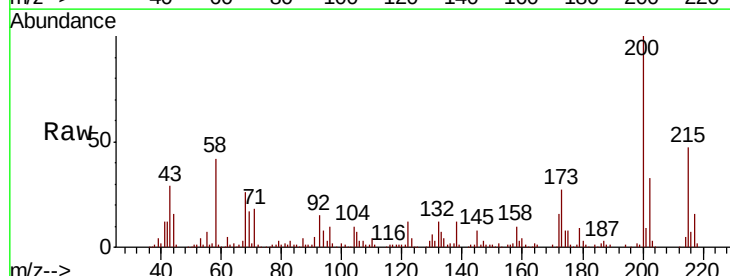


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

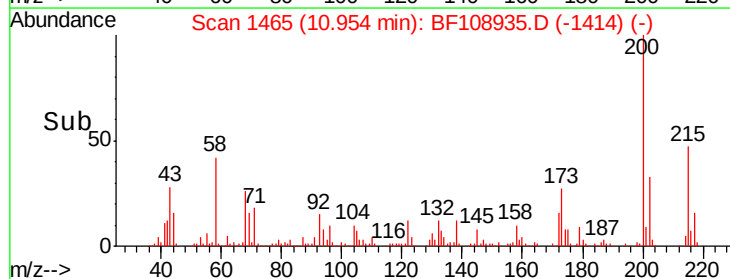
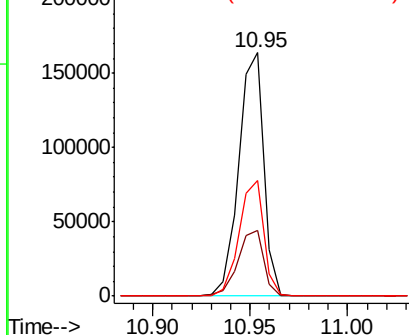


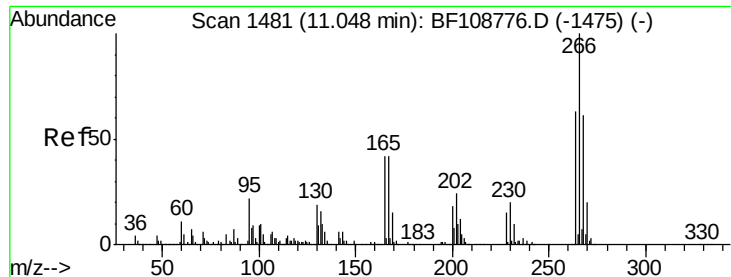
#68  
Atrazine  
Concen: 23.179 ng  
RT: 10.95 min Scan# 1465  
Delta R.T. -0.00 min  
Lab File: BF108935.D  
Acq: 11 Sep 2018 15:14

Tgt Ion:200 Resp: 145487  
Ion Ratio Lower Upper  
200 100  
173 27.1 8.6 48.6  
215 47.3 25.1 65.1



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

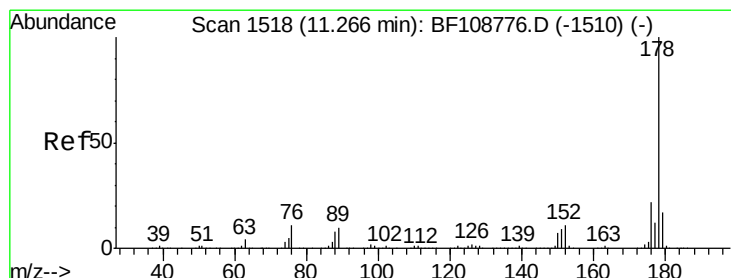
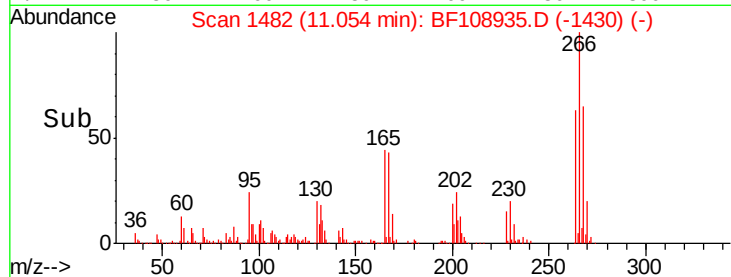
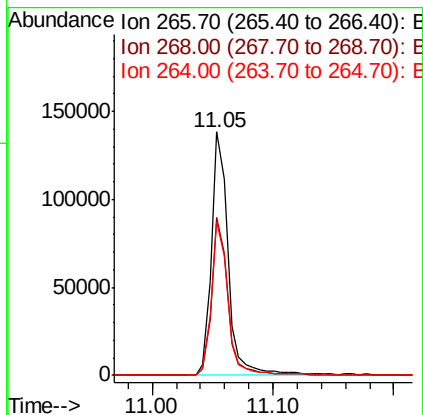
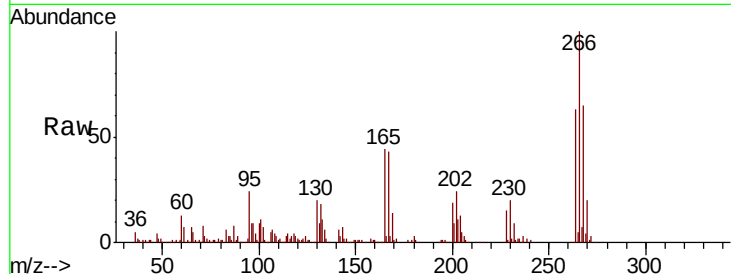




#69  
 Pentachlorophenol  
 Concen: 30.525 ng  
 RT: 11.05 min Scan# 1482  
 Delta R.T. 0.01 min  
 Lab File: BF108935.D  
 Acq: 11 Sep 2018 15:14

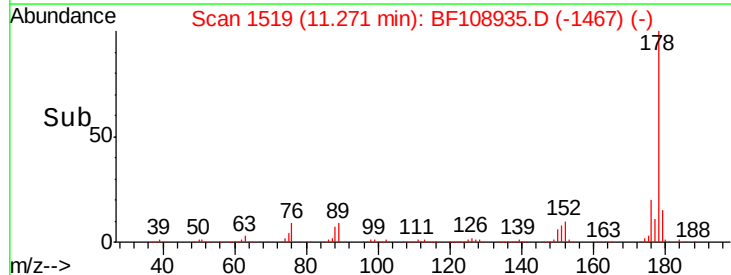
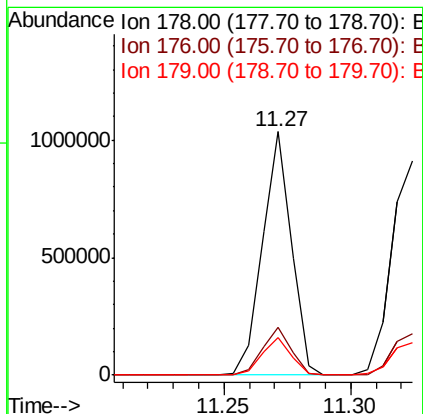
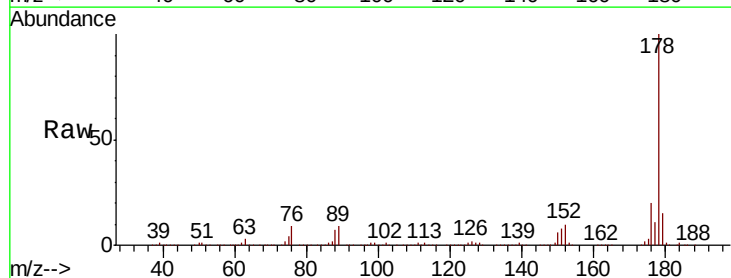
Instrument :  
 BNA\_F  
 ClientSampleId :

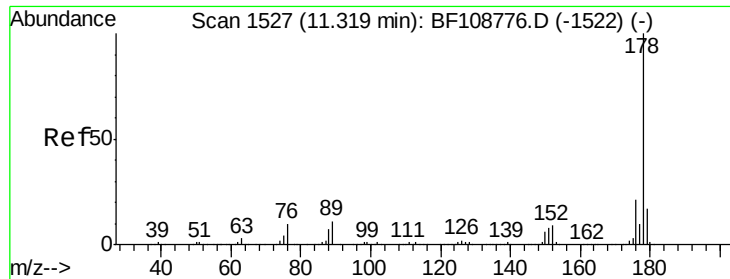
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 64.9  | 51.1  | 76.7  |
| 264     | 63.2  | 49.5  | 74.3  |



#70  
 Phenanthrene  
 Concen: 29.196 ng  
 RT: 11.27 min Scan# 1519  
 Delta R.T. 0.01 min  
 Lab File: BF108935.D  
 Acq: 11 Sep 2018 15:14

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

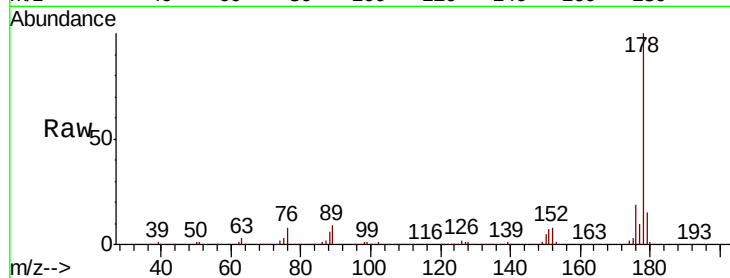




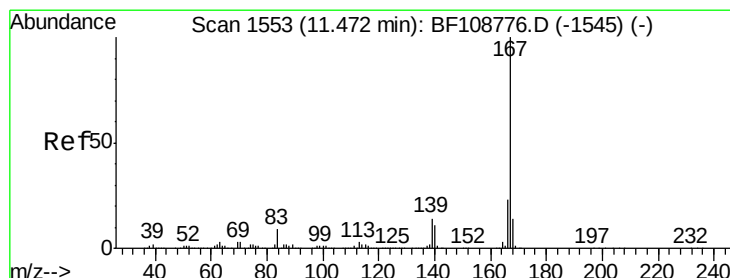
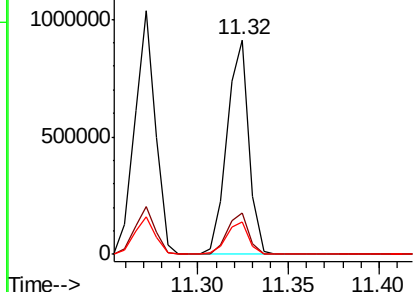
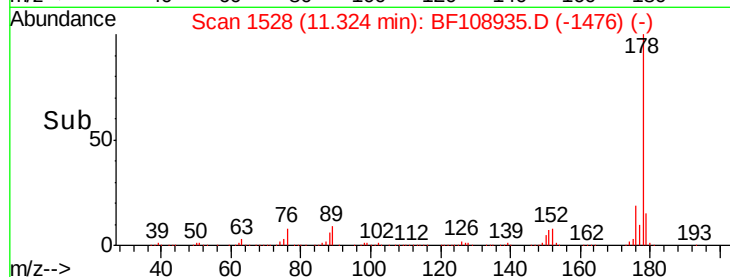
#71  
 Anthracene  
 Concen: 28.361 ng  
 RT: 11.32 min Scan# 1528  
 Delta R.T. 0.01 min  
 Lab File: BF108935.D  
 Acq: 11 Sep 2018 15:14

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:178 Resp: 764711  
 Ion Ratio Lower Upper  
 178 100  
 176 19.2 15.4 23.2  
 179 15.3 12.6 19.0

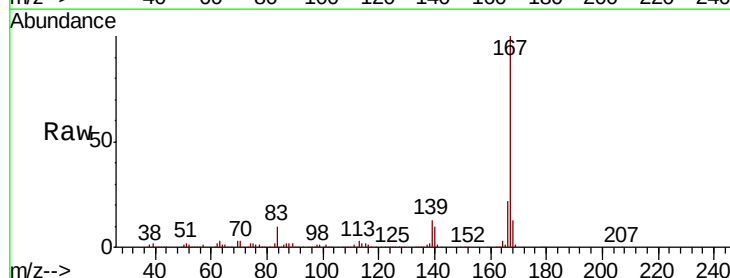


Abundance Ion 178.00 (177.70 to 178.70): E  
 Ion 176.00 (175.70 to 176.70): E  
 Ion 179.00 (178.70 to 179.70): E

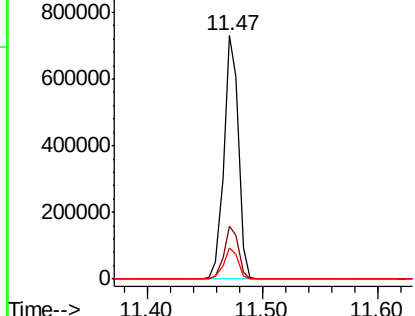
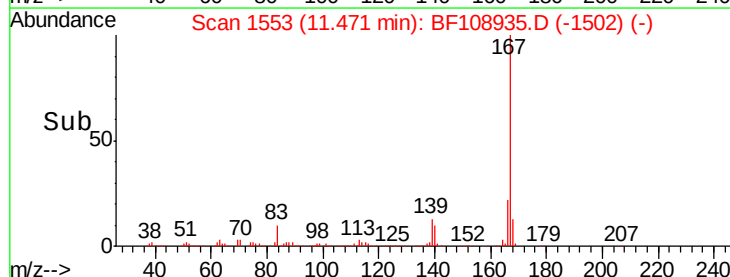


#72  
 Carbazole  
 Concen: 22.459 ng  
 RT: 11.47 min Scan# 1553  
 Delta R.T. -0.00 min  
 Lab File: BF108935.D  
 Acq: 11 Sep 2018 15:14

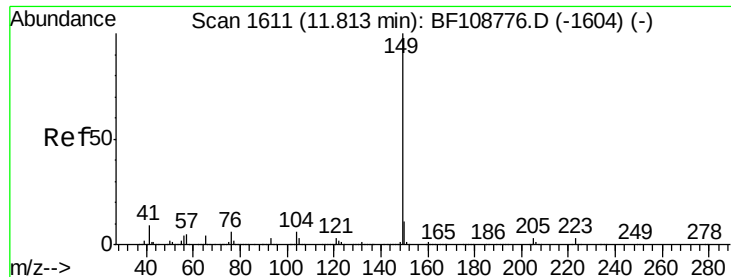
Tgt Ion:167 Resp: 637756  
 Ion Ratio Lower Upper  
 167 100  
 166 21.8 17.6 26.4  
 139 12.9 10.9 16.3



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: 26.113 ng

RT: 11.82 min Scan# 1612

Delta R.T. 0.01 min

Lab File: BF108935.D

Acq: 11 Sep 2018 15:14

Instrument :

BNA\_F

ClientSampleId :

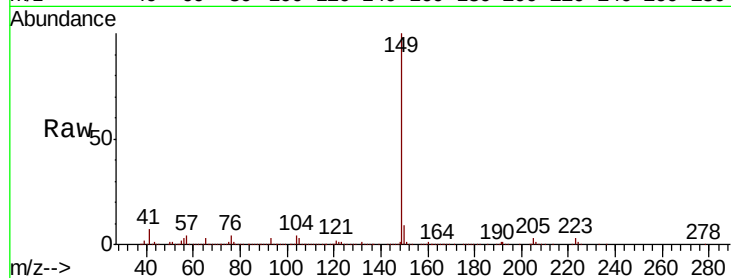
Tot Ion:149 Resp: 823446

Ion Ratio Lower Upper

149 100

150 8.8 7.8 11.6

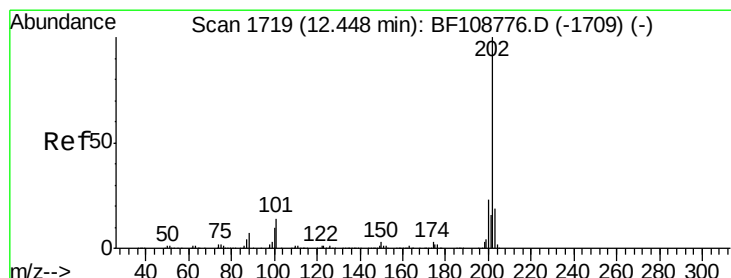
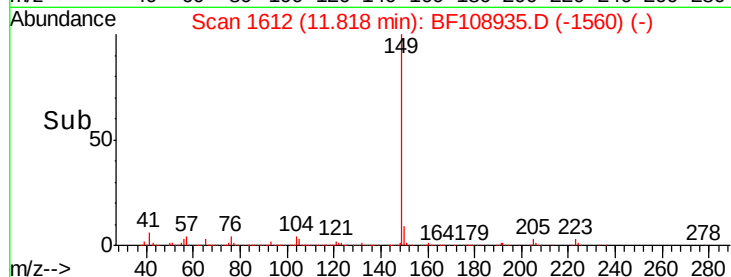
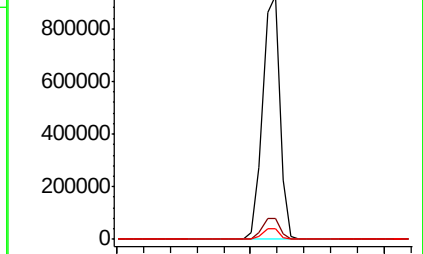
104 4.5 3.8 5.8



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: 30.126 ng

RT: 12.45 min Scan# 1720

Delta R.T. 0.01 min

Lab File: BF108935.D

Acq: 11 Sep 2018 15:14

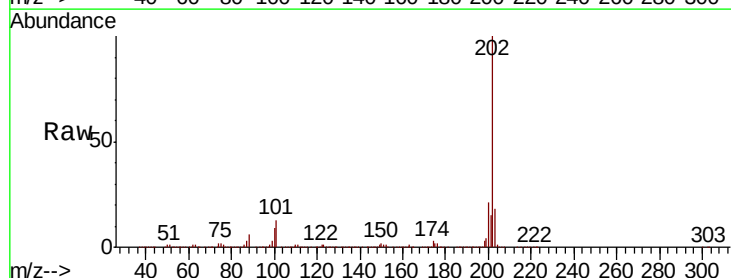
Tgt Ion:202 Resp: 840006

Ion Ratio Lower Upper

202 100

101 12.6 0.0 34.1

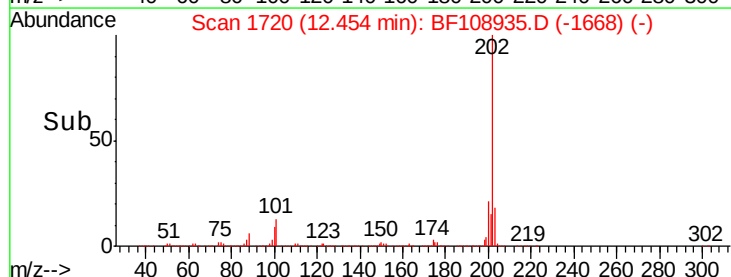
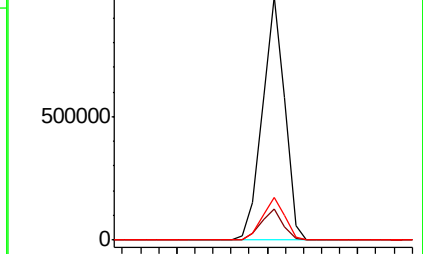
203 17.7 0.0 38.1

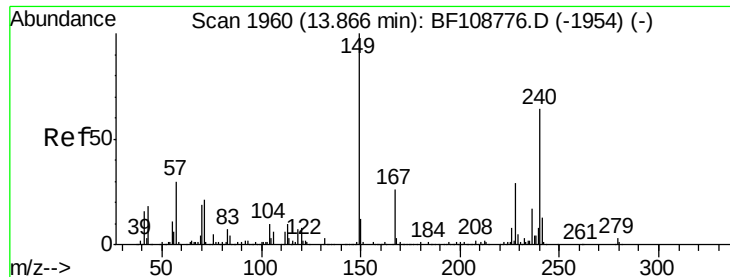


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.88 min Scan# 1962

Delta R.T. 0.01 min

Lab File: BF108935.D

Acq: 11 Sep 2018 15:14

Instrument :

BNA\_F

ClientSampleId :

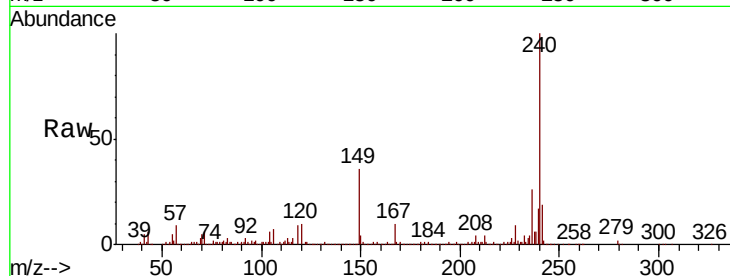
Tot Ion:240 Resp: 363631

Ion Ratio Lower Upper

240 100

120 9.9 9.5 14.3

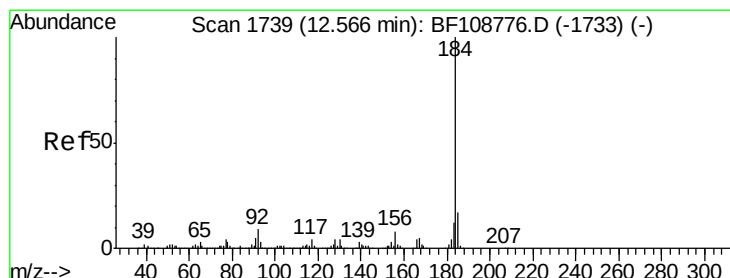
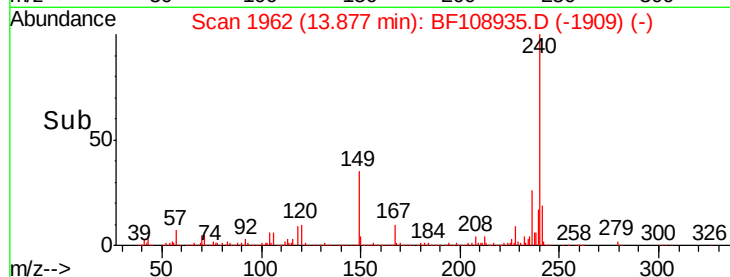
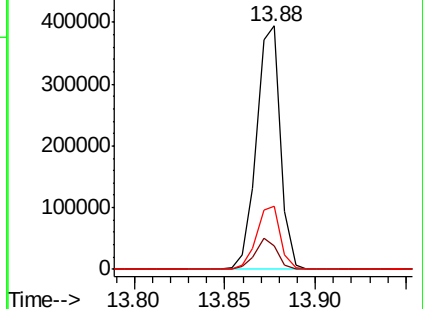
236 25.9 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 14.923 ng

RT: 12.57 min Scan# 1740

Delta R.T. 0.01 min

Lab File: BF108935.D

Acq: 11 Sep 2018 15:14

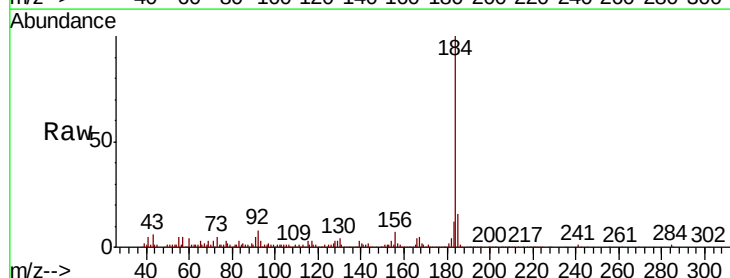
Tgt Ion:184 Resp: 257201

Ion Ratio Lower Upper

184 100

185 15.9 12.6 18.8

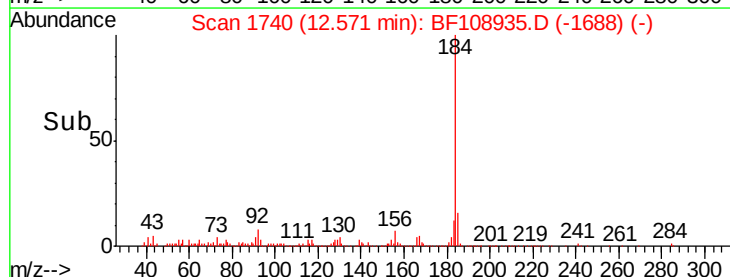
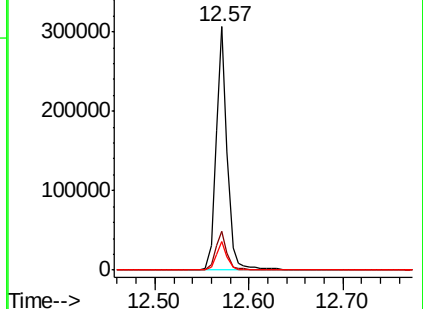
183 11.8 9.3 13.9

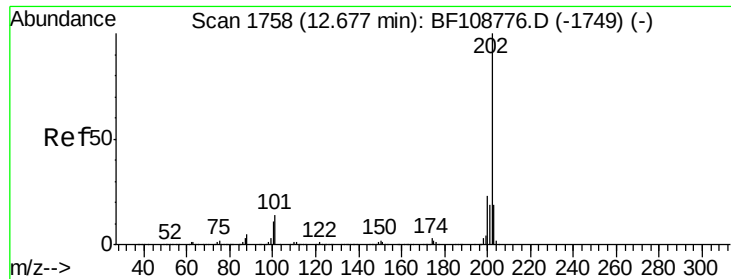


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 29.110 ng

RT: 12.68 min Scan# 1759

Delta R.T. 0.01 min

Lab File: BF108935.D

Acq: 11 Sep 2018 15:14

Instrument :

BNA\_F

ClientSampleId :

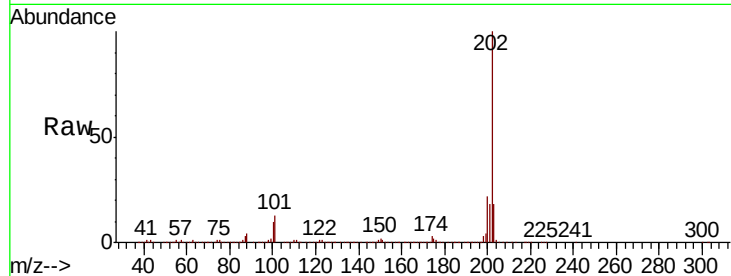
Tot Ion:202 Resp: 814515

Ion Ratio Lower Upper

202 100

200 21.9 17.4 26.2

203 17.6 14.3 21.5

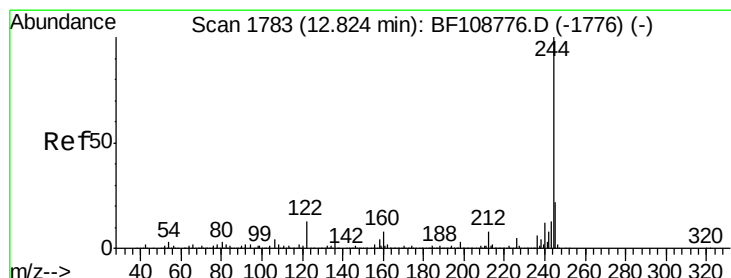
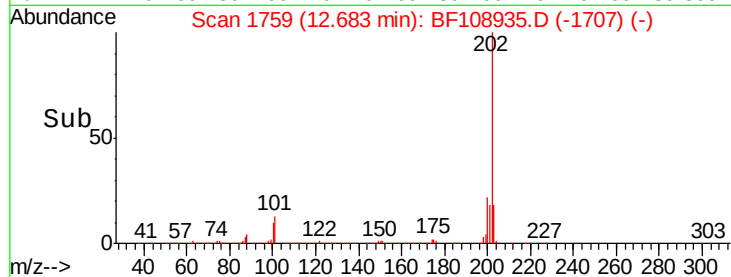
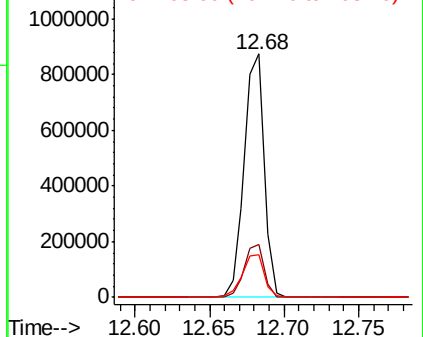


Abundance

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: 56.855 ng

RT: 12.83 min Scan# 1784

Delta R.T. 0.01 min

Lab File: BF108935.D

Acq: 11 Sep 2018 15:14

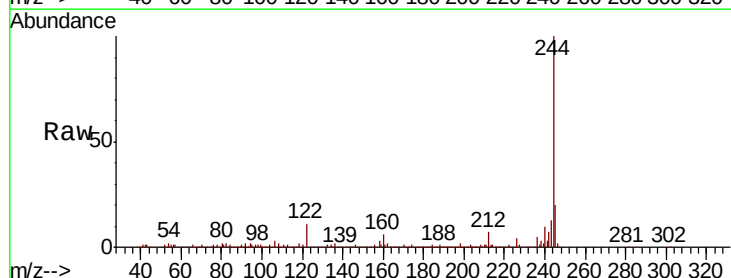
Tgt Ion:244 Resp: 886589

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

122 10.8 11.0 16.4#

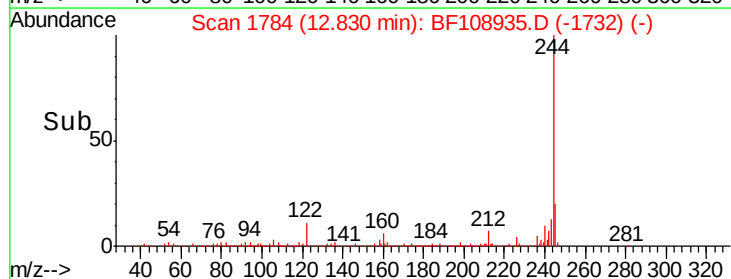
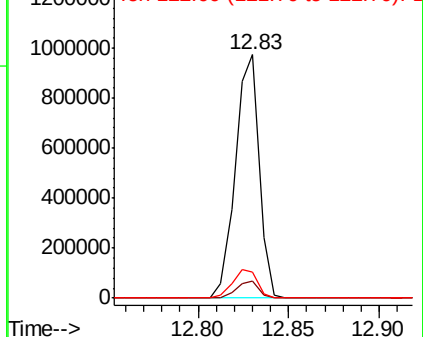


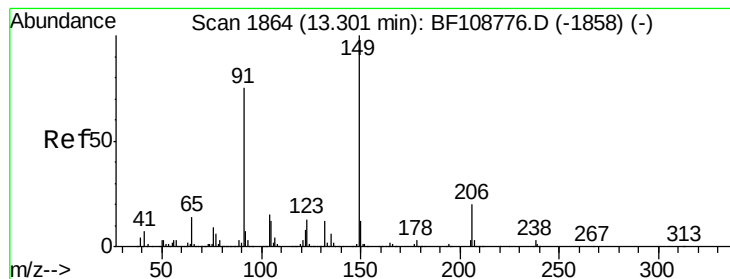
Abundance

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: 22.759 ng

RT: 13.31 min Scan# 1865

Delta R.T. 0.01 min

Lab File: BF108935.D

Acq: 11 Sep 2018 15:14

Instrument :

BNA\_F

ClientSampleId :

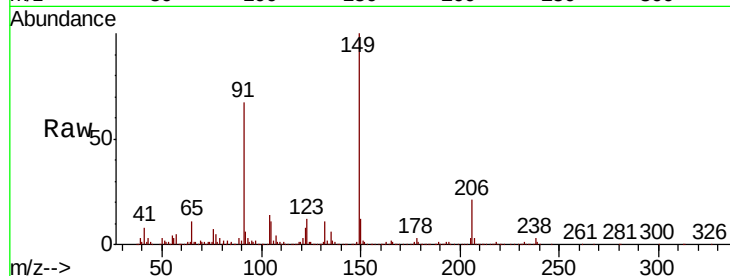
Tot Ion:149 Resp: 286782

Ion Ratio Lower Upper

149 100

91 67.4 56.8 85.2

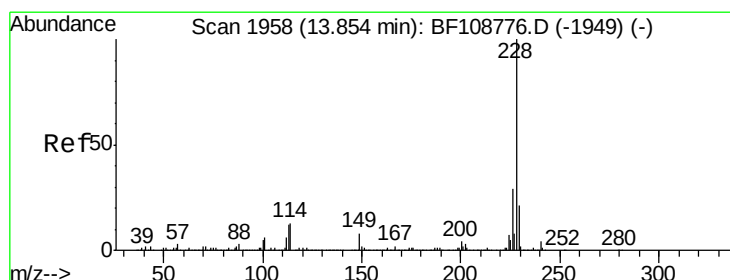
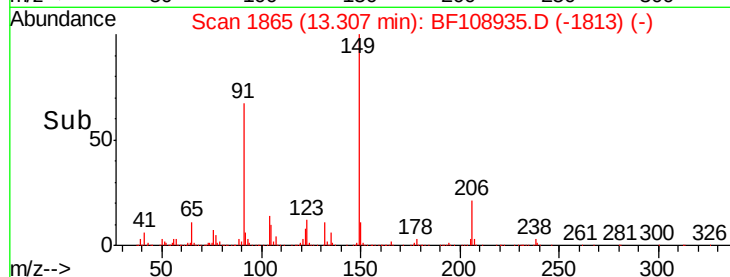
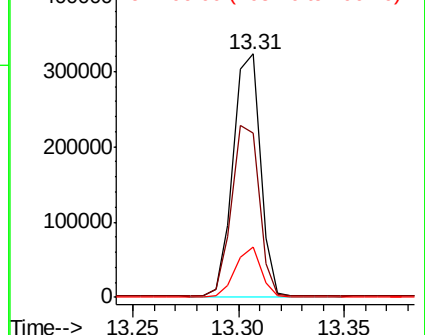
206 20.5 14.1 21.1



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: 25.680 ng

RT: 13.87 min Scan# 1960

Delta R.T. 0.01 min

Lab File: BF108935.D

Acq: 11 Sep 2018 15:14

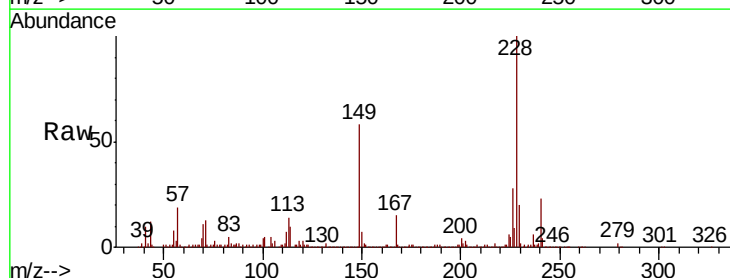
Tgt Ion:228 Resp: 598549

Ion Ratio Lower Upper

228 100

226 28.3 22.6 33.8

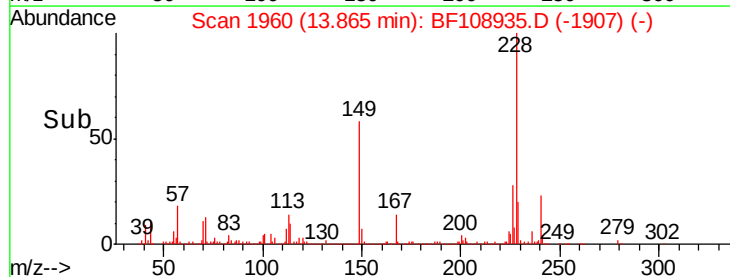
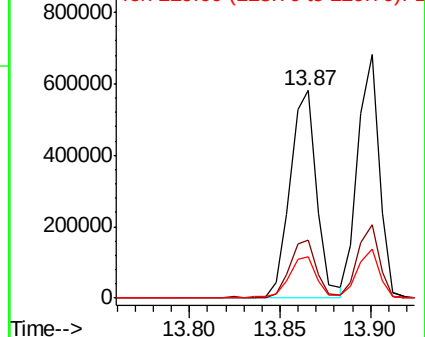
229 19.8 15.8 23.6

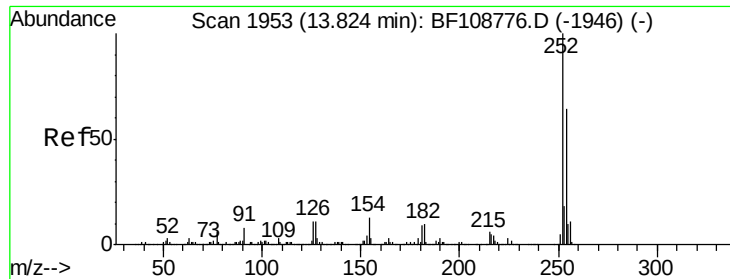


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

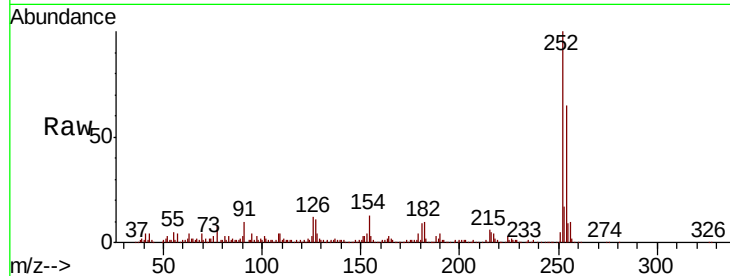




#81  
 3,3'-Dichlorobenzidine  
 Concen: 17.437 ng  
 RT: 13.82 min Scan# 1953  
 Delta R.T. -0.00 min  
 Lab File: BF108935.D  
 Acq: 11 Sep 2018 15:14

Instrument :  
 BNA\_F  
 ClientSampleID :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 64.7  | 50.4  | 75.6  |
| 126     | 11.8  | 11.3  | 16.9  |

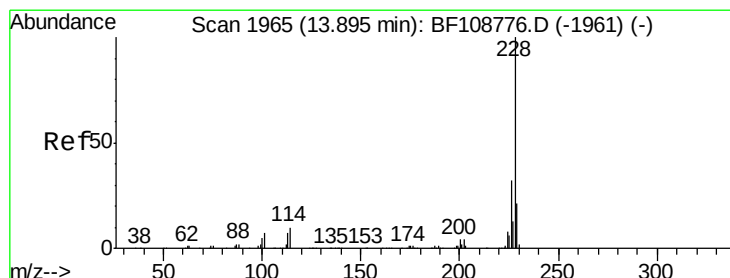
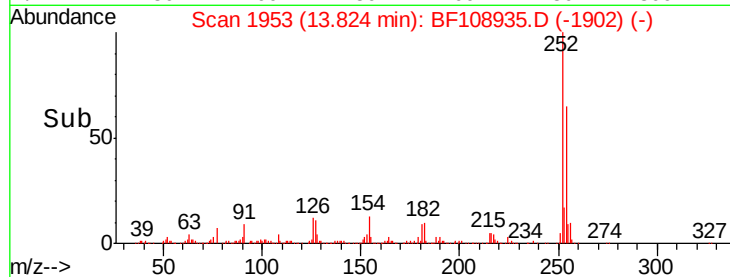
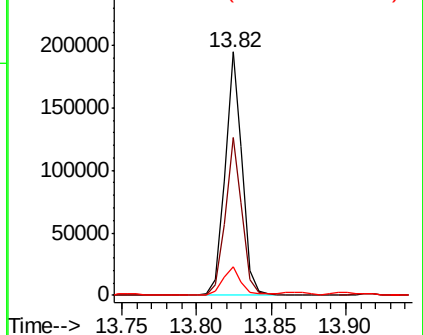


Abundance

Ion 252.00 (251.70 to 252.70): E

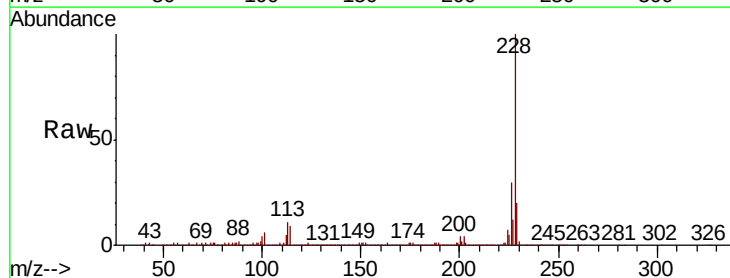
Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



#82  
 Chrysene  
 Concen: 25.061 ng  
 RT: 13.90 min Scan# 1966  
 Delta R.T. 0.01 min  
 Lab File: BF108935.D  
 Acq: 11 Sep 2018 15:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.2  | 25.0  | 37.6  |
| 229     | 20.1  | 16.2  | 24.4  |

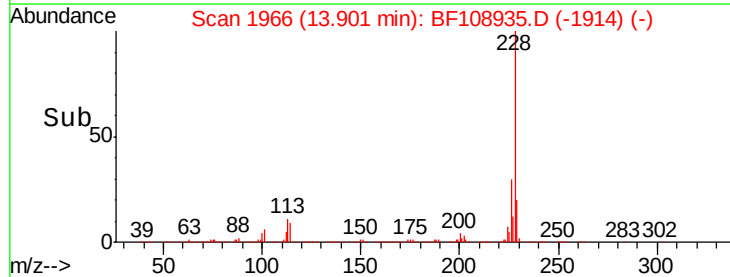
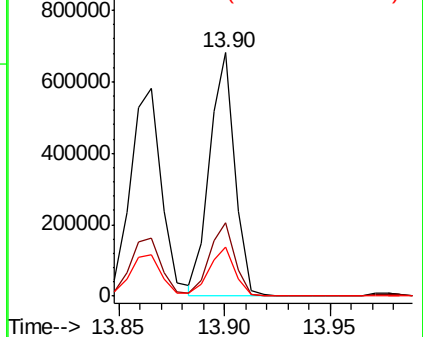


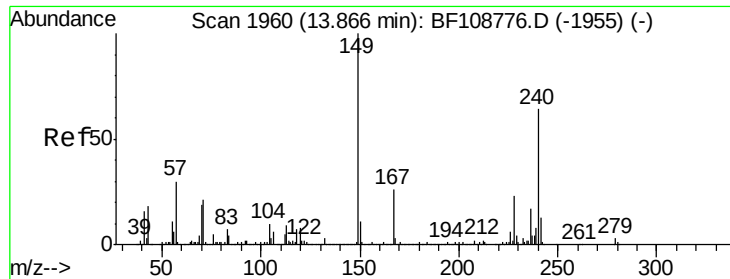
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

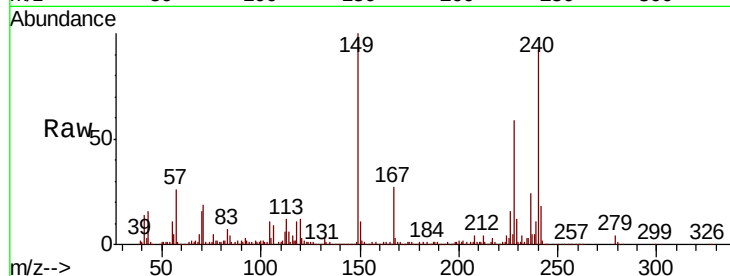




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 22.236 ng  
 RT: 13.87 min Scan# 1961  
 Delta R.T. 0.01 min  
 Lab File: BF108935.D  
 Acq: 11 Sep 2018 15:14

Instrument :  
 BNA\_F  
 ClientSampled :

| Tot Ion | 149   | Resp  | 352107 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 149     | 100   |       |        |
| 167     | 26.8  | 21.3  | 31.9   |
| 279     | 4.2   | 3.0   | 4.4    |

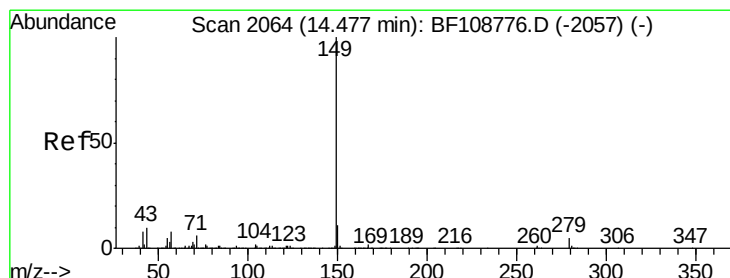
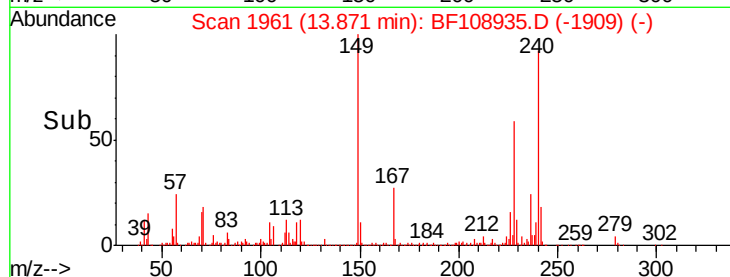
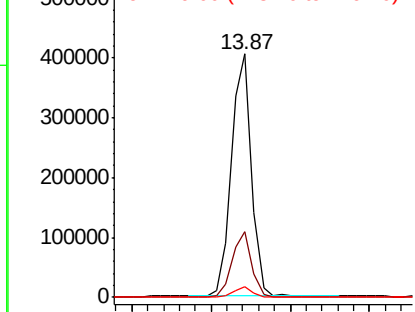


Abundance

Ion 149.00 (148.70 to 149.70): E

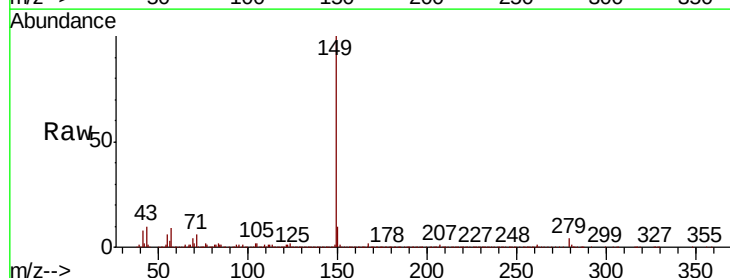
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84  
 Di-n-octyl phthalate  
 Concen: 23.065 ng  
 RT: 14.48 min Scan# 2064  
 Delta R.T. -0.00 min  
 Lab File: BF108935.D  
 Acq: 11 Sep 2018 15:14

| Tgt Ion | 149   | Resp  | 608926 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 149     | 100   |       |        |
| 167     | 1.5   | 1.2   | 1.8    |
| 43      | 10.0  | 8.4   | 12.6   |

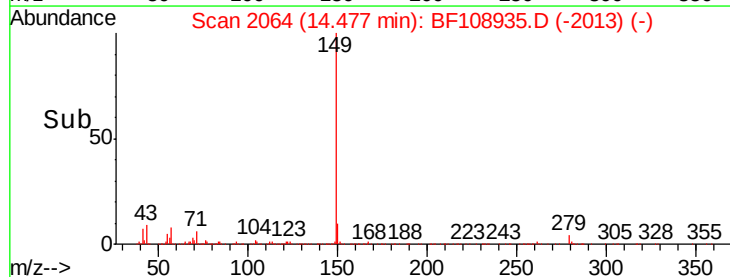
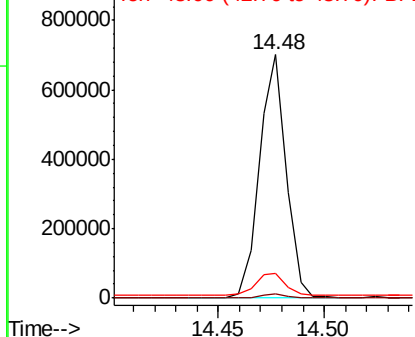


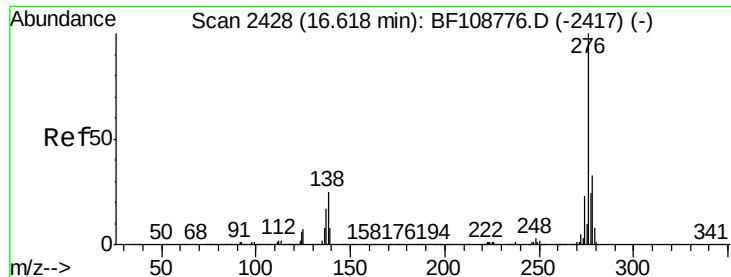
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1

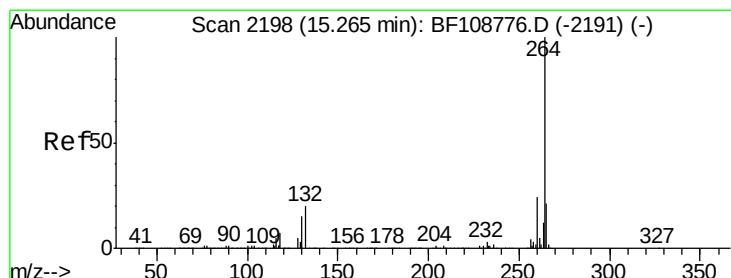
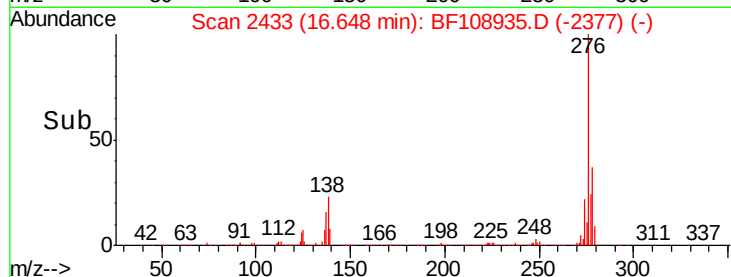
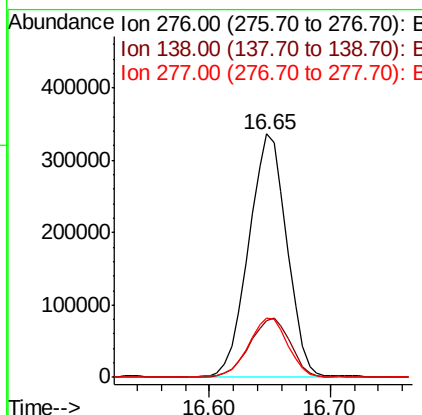
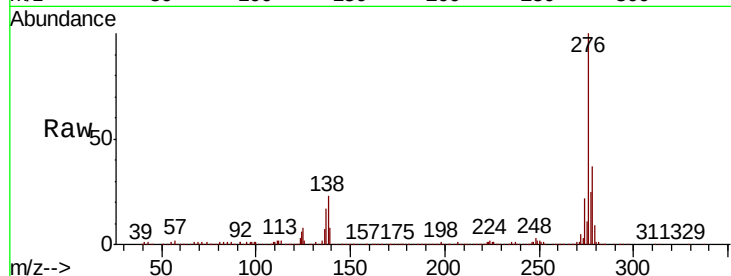




#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 36.801 ng  
 RT: 16.65 min Scan# 2433  
 Delta R.T. 0.03 min  
 Lab File: BF108935.D  
 Acq: 11 Sep 2018 15:14

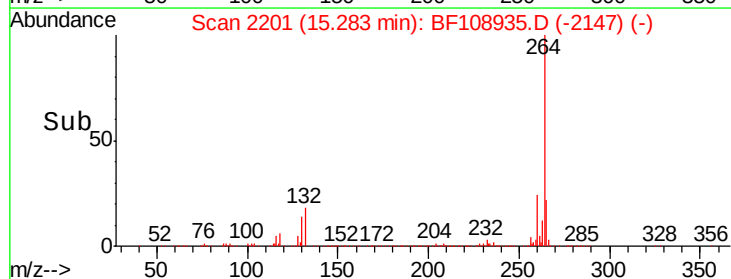
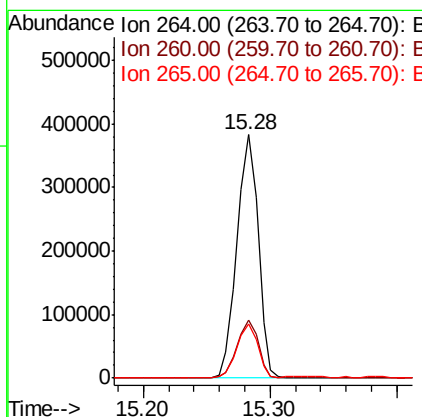
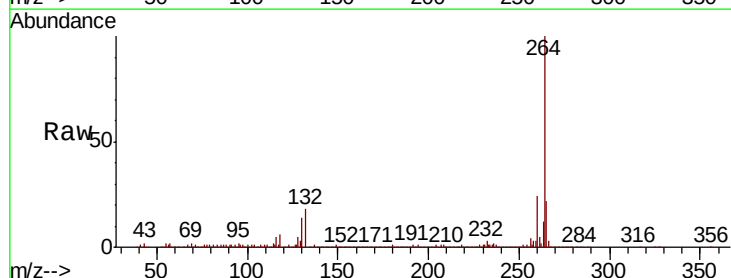
Instrument :  
 BNA\_F  
 ClientSampleId :

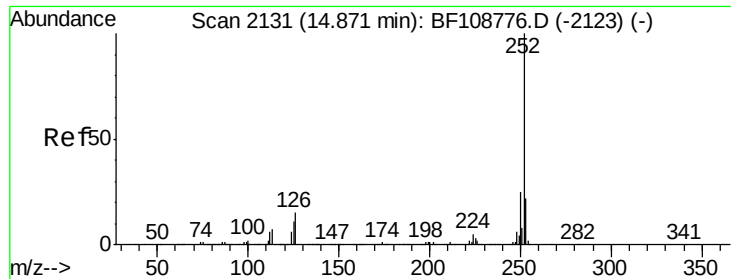
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 25.5  | 25.0  | 37.6  |
| 277     | 24.8  | 20.1  | 30.1  |



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.28 min Scan# 2201  
 Delta R.T. 0.02 min  
 Lab File: BF108935.D  
 Acq: 11 Sep 2018 15:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.8  | 19.2  | 28.8  |
| 265     | 22.3  | 17.5  | 26.3  |





#87

Benzo(b)fluoranthene

Concen: 25.902 ng

RT: 14.88 min Scan# 2133

Delta R.T. 0.01 min

Lab File: BF108935.D

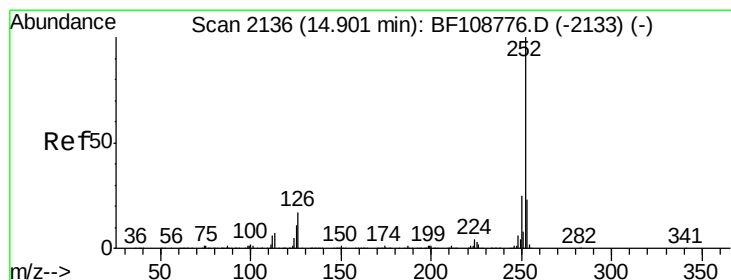
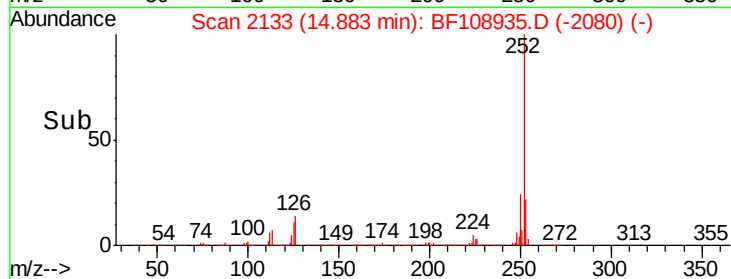
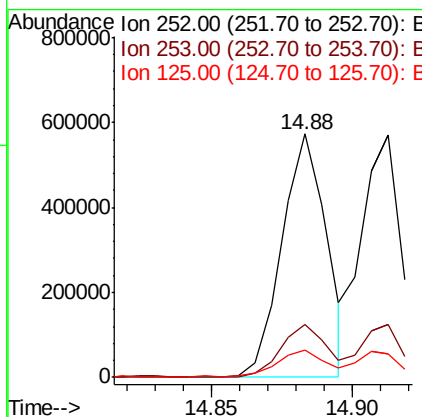
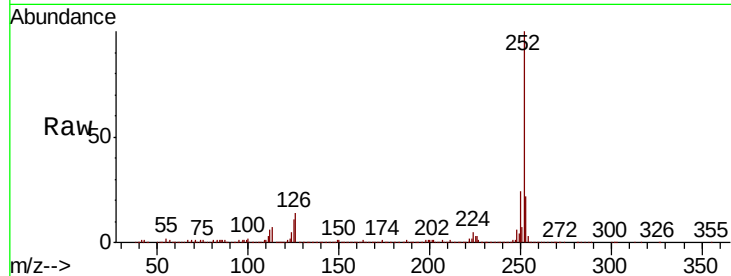
Acq: 11 Sep 2018 15:14

Instrument :

BNA\_F

ClientSampleId :

|             |       |             |
|-------------|-------|-------------|
| Tot Ion:252 | Resp: | 627757      |
| Ion         | Ratio | Lower Upper |
| 252         | 100   |             |
| 253         | 21.8  | 17.0 25.6   |
| 125         | 11.1  | 9.0 13.6    |



#88

Benzo(k)fluoranthene

Concen: 28.126 ng

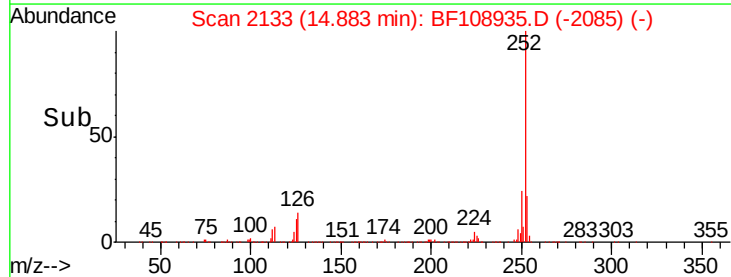
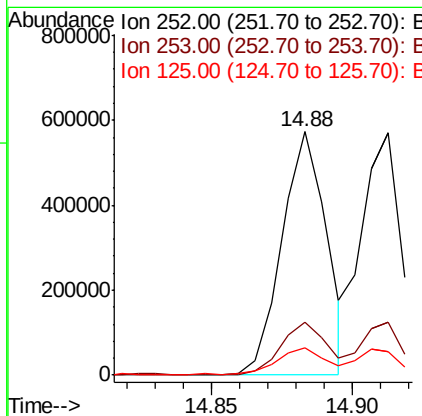
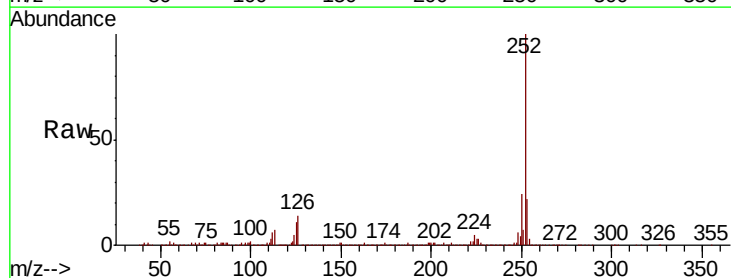
RT: 14.88 min Scan# 2133

Delta R.T. -0.02 min

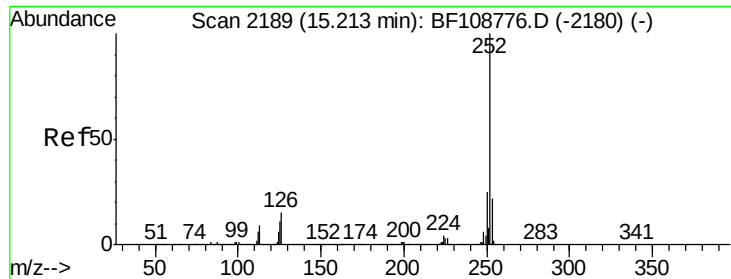
Lab File: BF108935.D

Acq: 11 Sep 2018 15:14

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:252 | Resp: | 627757      |
| Ion         | Ratio | Lower Upper |
| 252         | 100   |             |
| 253         | 21.8  | 17.9 26.9   |
| 125         | 11.1  | 10.2 15.2   |



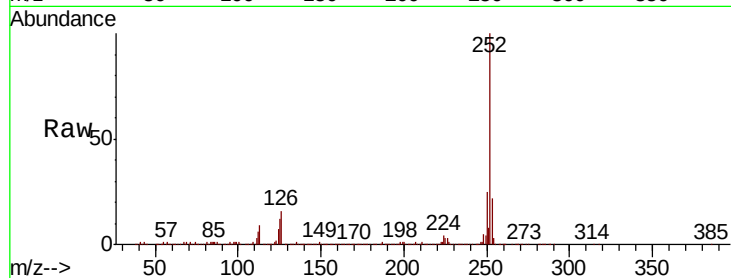




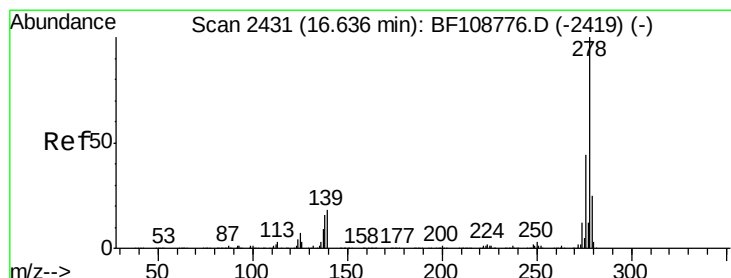
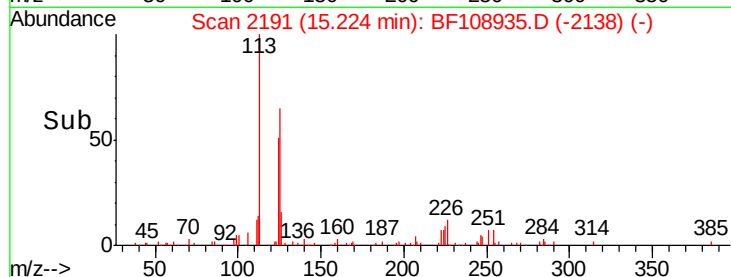
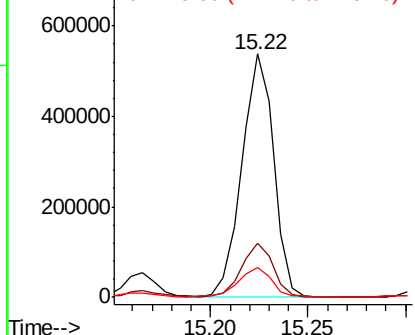
#89  
Benzo(a)pyrene  
Concen: 27.723 ng  
RT: 15.22 min Scan# 2191  
Delta R.T. 0.01 min  
Lab File: BF108935.D  
Acq: 11 Sep 2018 15:14

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.2  | 17.1  | 25.7  |
| 125     | 12.3  | 9.8   | 14.6  |

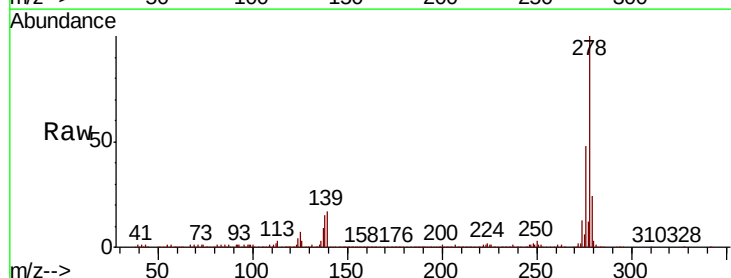


Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

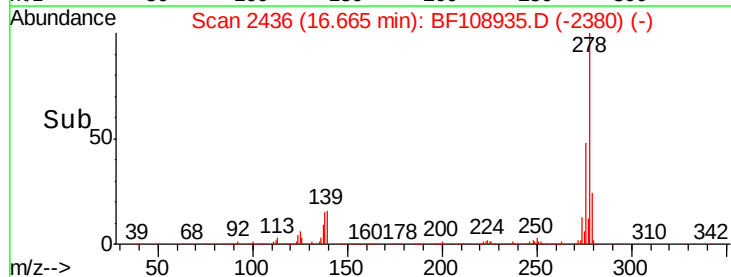
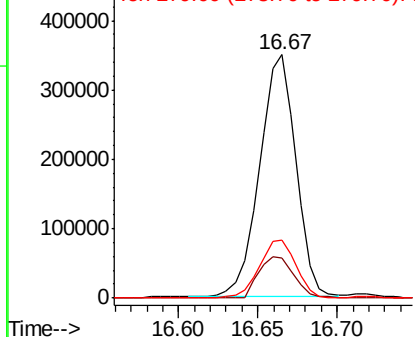


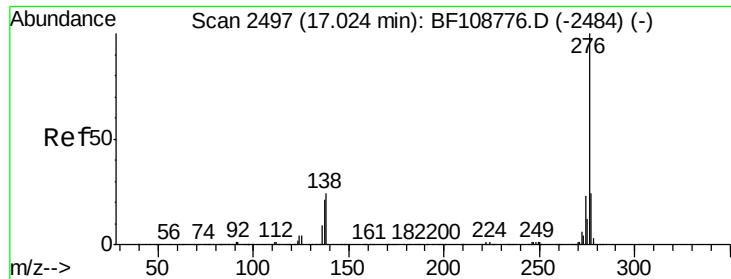
#90  
Dibenzo(a,h)anthracene  
Concen: 28.943 ng  
RT: 16.67 min Scan# 2436  
Delta R.T. 0.03 min  
Lab File: BF108935.D  
Acq: 11 Sep 2018 15:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 16.5  | 15.9  | 23.9  |
| 279     | 24.0  | 19.0  | 28.4  |



Abundance Ion 278.00 (277.70 to 278.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 279.00 (278.70 to 279.70): E

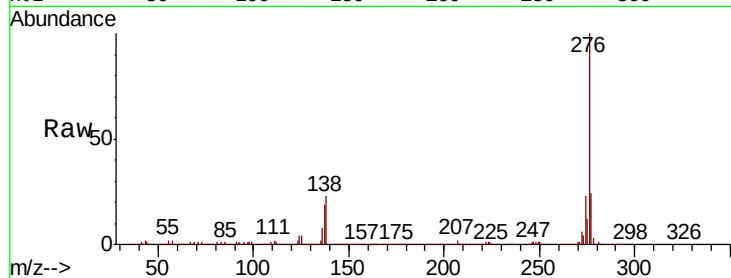




#91  
 Benzo(a,h,i)perylene  
 Concen: 33.051 ng  
 RT: 17.06 min Scan# 2503  
 Delta R.T. 0.04 min  
 Lab File: BF108935.D  
 Acq: 11 Sep 2018 15:14

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 23.8  | 17.9  | 26.9  |
| 138     | 22.6  | 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

