

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF122118\  
 Data File : BF111693.D  
 Acq On : 21 Dec 2018 17:56  
 Operator : JU/SJ  
 Sample : J6447-10MSD  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P001-SS025-1218-01MSD

Quant Time: Dec 21 22:35:07 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF121918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 19 17:39:39 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.90  | 152  | 175277   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.19  | 136  | 625320   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.94  | 164  | 273574   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.43 | 188  | 448597   | 20.00 | ng    | 0.01     |
| 76) Chrysene-d12          | 14.06 | 240  | 329519   | 20.00 | ng    | 0.01     |
| 87) Perylene-d12          | 15.55 | 264  | 252673   | 20.00 | ng    | 0.04     |

## System Monitoring Compounds

|                          |       |     |         |       |    |      |
|--------------------------|-------|-----|---------|-------|----|------|
| 5) 2-Fluorophenol        | 5.53  | 112 | 793702  | 77.19 | ng | 0.02 |
| 7) Phenol-d6             | 6.54  | 99  | 980897  | 74.95 | ng | 0.02 |
| 23) Nitrobenzene-d5      | 7.46  | 82  | 625454  | 58.22 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.73 | 330 | 232137  | 71.81 | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 9.26  | 172 | 1065805 | 56.79 | ng | 0.00 |
| 79) Terphenyl-d14        | 13.01 | 244 | 915132  | 52.67 | ng | 0.01 |

## Target Compounds

|                                |      |     |        |        |    | Qvalue |
|--------------------------------|------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.73 | 88  | 99846  | 20.638 | ng | # 95   |
| 3) Pyridine                    | 3.52 | 79  | 257495 | 20.429 | ng | 98     |
| 4) n-Nitrosodimethylamine      | 3.43 | 42  | 173940 | 28.198 | ng | 82     |
| 6) Aniline                     | 6.56 | 93  | 63716  | 3.820  | ng | # 84   |
| 8) 2-Chlorophenol              | 6.69 | 128 | 301043 | 26.428 | ng | 97     |
| 9) Benzaldehyde                | 6.45 | 77  | 91147  | 10.127 | ng | 98     |
| 10) Phenol                     | 6.55 | 94  | 427753 | 28.969 | ng | 98     |
| 11) bis(2-Chloroethyl)ether    | 6.63 | 93  | 283240 | 25.598 | ng | 98     |
| 12) 1,3-Dichlorobenzene        | 6.85 | 146 | 339903 | 25.748 | ng | 99     |
| 13) 1,4-Dichlorobenzene        | 6.92 | 146 | 343794 | 25.679 | ng | 97     |
| 14) 1,2-Dichlorobenzene        | 7.07 | 146 | 319634 | 25.590 | ng | 98     |
| 15) Benzyl Alcohol             | 7.04 | 79  | 262619 | 25.268 | ng | 91     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.17 | 45  | 482542 | 23.679 | ng | 100    |
| 17) 2-Methylphenol             | 7.16 | 107 | 234312 | 25.689 | ng | 96     |
| 18) Hexachloroethane           | 7.42 | 117 | 74310  | 16.471 | ng | # 87   |
| 19) n-Nitroso-di-n-propylamine | 7.31 | 70  | 213601 | 24.577 | ng | 97     |
| 20) 3+4-Methylphenols          | 7.30 | 107 | 301743 | 26.182 | ng | # 79   |
| 22) Acetophenone               | 7.30 | 105 | 405319 | 25.585 | ng | # 95   |
| 24) Nitrobenzene               | 7.48 | 77  | 312976 | 27.797 | ng | 96     |
| 25) Isophorone                 | 7.72 | 82  | 545459 | 28.600 | ng | 100    |
| 26) 2-Nitrophenol              | 7.80 | 139 | 143080 | 31.333 | ng | 96     |
| 27) 2,4-Dimethylphenol         | 7.83 | 122 | 248151 | 27.567 | ng | 92     |
| 28) bis(2-Chloroethoxy)methane | 7.93 | 93  | 340142 | 26.801 | ng | 97     |
| 29) 2,4-Dichlorophenol         | 8.04 | 162 | 243167 | 25.115 | ng | 98     |
| 30) 1,2,4-Trichlorobenzene     | 8.13 | 180 | 275983 | 25.579 | ng | 96     |
| 31) Naphthalene                | 8.20 | 128 | 839154 | 27.929 | ng | 97     |
| 32) Benzoic acid               | 7.93 | 122 | 137828 | 23.157 | ng | 89     |
| 33) 4-Chloroaniline            | 8.25 | 127 | 42750  | 3.292  | ng | 98     |
| 34) Hexachlorobutadiene        | 8.33 | 225 | 166967 | 25.391 | ng | 97     |
| 35) Caprolactam                | 8.61 | 113 | 65603  | 19.996 | ng | 89     |
| 36) 4-Chloro-3-methylphenol    | 8.73 | 107 | 224958 | 23.636 | ng | 98     |
| 37) 2-Methylnaphthalene        | 8.90 | 142 | 543660 | 27.812 | ng | 99     |
| 38) 1-Methylnaphthalene        | 9.00 | 142 | 503810 | 26.835 | ng | 99     |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.06 | 216 | 259283 | 28.843 | ng | # 96   |

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 Sample : J6447-10MSD  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

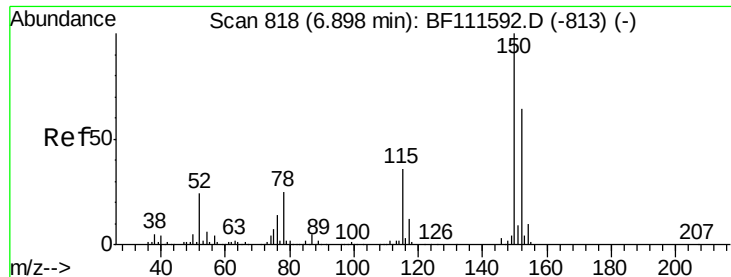
Instrument :  
 BNA\_F  
 ClientSampleId :  
 P001-SS025-1218-01MSD

Quant Time: Dec 21 22:35:07 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF121918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 19 17:39:39 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 9.05  | 237  | 28568    | 6.549  | ng    | 97       |
| 43) 2,4,6-Trichlorophenol      | 9.17  | 196  | 162962   | 27.152 | ng    | 99       |
| 44) 2,4,5-Trichlorophenol      | 9.22  | 196  | 165048   | 26.805 | ng    | 96       |
| 46) 1,1'-Biphenyl              | 9.36  | 154  | 671432   | 29.074 | ng    | 93       |
| 47) 2-Chloronaphthalene        | 9.39  | 162  | 490425   | 26.804 | ng    | 93       |
| 48) 2-Nitroaniline             | 9.47  | 65   | 149403   | 31.387 | ng    | 98       |
| 49) Acenaphthylene             | 9.80  | 152  | 734452   | 27.492 | ng    | 96       |
| 50) Dimethylphthalate          | 9.66  | 163  | 646772   | 32.329 | ng    | 98       |
| 51) 2,6-Dinitrotoluene         | 9.72  | 165  | 113390   | 28.425 | ng    | 97       |
| 52) Acenaphthene               | 9.97  | 154  | 433975   | 26.339 | ng    | 97       |
| 53) 3-Nitroaniline             | 9.88  | 138  | 58892    | 13.843 | ng    | 99       |
| 54) 2,4-Dinitrophenol          | 9.98  | 184  | 15879    | 18.578 | ng #  | 1        |
| 55) Dibenzofuran               | 10.15 | 168  | 644791   | 25.903 | ng    | 94       |
| 56) 4-Nitrophenol              | 10.05 | 139  | 167127   | 51.475 | ng    | 91       |
| 57) 2,4-Dinitrotoluene         | 10.12 | 165  | 140012   | 29.203 | ng #  | 95       |
| 58) Fluorene                   | 10.49 | 166  | 488159   | 27.215 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 10.26 | 232  | 135938   | 26.234 | ng #  | 88       |
| 60) Diethylphthalate           | 10.36 | 149  | 529658   | 26.990 | ng    | 99       |
| 61) 4-Chlorophenyl-phenylether | 10.48 | 204  | 248095   | 25.034 | ng    | 89       |
| 62) 4-Nitroaniline             | 10.49 | 138  | 79994    | 19.346 | ng    | 95       |
| 63) Azobenzene                 | 10.64 | 77   | 457280   | 23.211 | ng    | 95       |
| 65) 4,6-Dinitro-2-methylphenol | 10.52 | 198  | 14052    | 13.215 | ng    | 88       |
| 66) n-Nitrosodiphenylamine     | 10.59 | 169  | 415667   | 27.603 | ng    | 97       |
| 67) 4-Bromophenyl-phenylether  | 10.97 | 248  | 145232   | 26.102 | ng    | 91       |
| 68) Hexachlorobenzene          | 11.04 | 284  | 166952   | 26.911 | ng #  | 93       |
| 69) Atrazine                   | 11.12 | 200  | 142165   | 27.175 | ng    | 96       |
| 70) Pentachlorophenol          | 11.23 | 266  | 165055   | 43.036 | ng    | 94       |
| 71) Phenanthrene               | 11.45 | 178  | 676113   | 28.419 | ng    | 93       |
| 72) Anthracene                 | 11.50 | 178  | 670071   | 28.060 | ng    | 94       |
| 73) Carbazole                  | 11.65 | 167  | 579715   | 25.005 | ng    | 95       |
| 74) Di-n-butylphthalate        | 11.99 | 149  | 722717   | 27.803 | ng    | 96       |
| 75) Fluoranthene               | 12.64 | 202  | 667319   | 27.699 | ng    | 93       |
| 77) Benzidine                  | 12.73 | 184  | 27173    | 2.191  | ng #  | 69       |
| 78) Pyrene                     | 12.87 | 202  | 664493   | 28.556 | ng    | 95       |
| 80) Butylbenzylphthalate       | 13.49 | 149  | 268808   | 28.339 | ng #  | 87       |
| 81) Benzo(a)anthracene         | 14.06 | 228  | 519607   | 27.631 | ng    | 98       |
| 83) Chrysene                   | 14.09 | 228  | 473947   | 25.642 | ng    | 96       |
| 84) Bis(2-ethylhexyl)phthalate | 14.04 | 149  | 365378   | 30.581 | ng #  | 99       |
| 85) Di-n-octyl phthalate       | 14.66 | 149  | 553555   | 29.903 | ng    | 99       |
| 86) Indeno(1,2,3-cd)pyrene     | 17.04 | 276  | 382823   | 24.364 | ng #  | 87       |
| 88) Benzo(b)fluoranthene       | 15.12 | 252  | 404613   | 27.399 | ng #  | 97       |
| 89) Benzo(k)fluoranthene       | 15.12 | 252  | 404613   | 28.780 | ng    | 97       |
| 90) Benzo(a)pyrene             | 15.49 | 252  | 365361   | 27.233 | ng #  | 95       |
| 91) Dibenzo(a,h)anthracene     | 17.06 | 278  | 316011   | 26.899 | ng #  | 93       |
| 92) Benzo(g,h,i)perylene       | 17.49 | 276  | 298992   | 26.063 | ng #  | 85       |

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



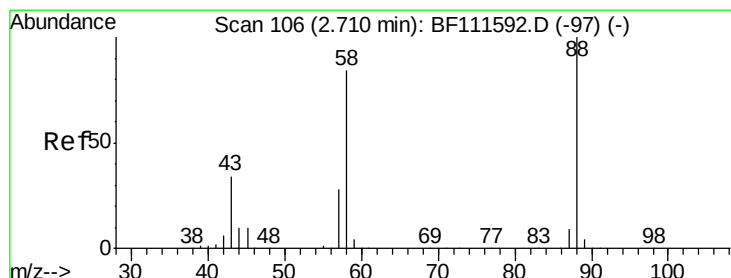
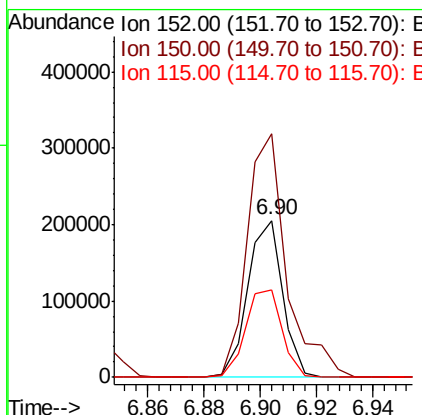
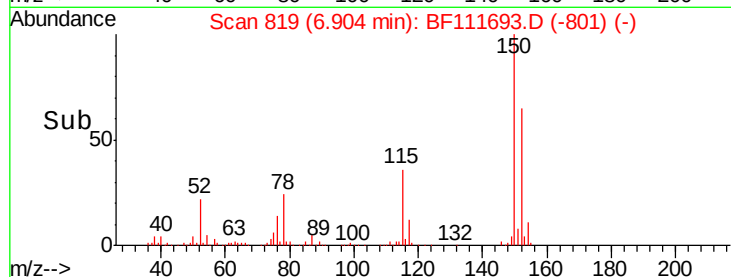
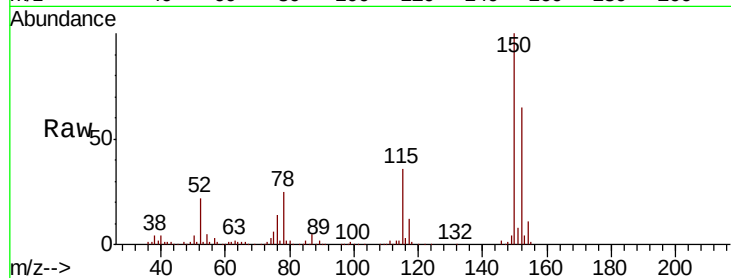


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.90 min Scan# 819  
Delta R.T. 0.01 min  
Lab File: BF111693.D  
Acq: 21 Dec 2018 17:56

Instrument :  
BNA\_F  
ClientSampleId :  
P001-SS025-1218-01MSD

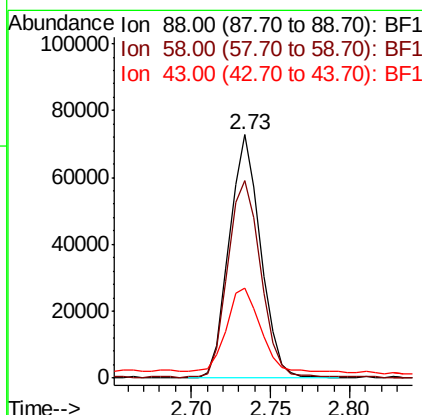
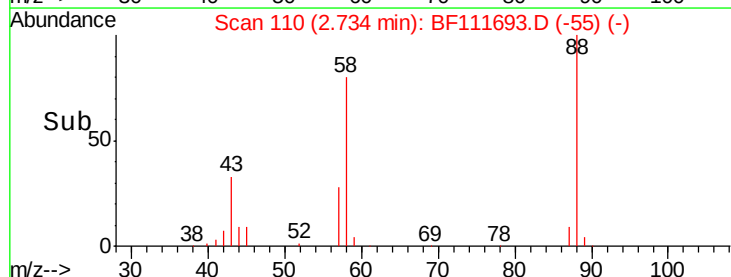
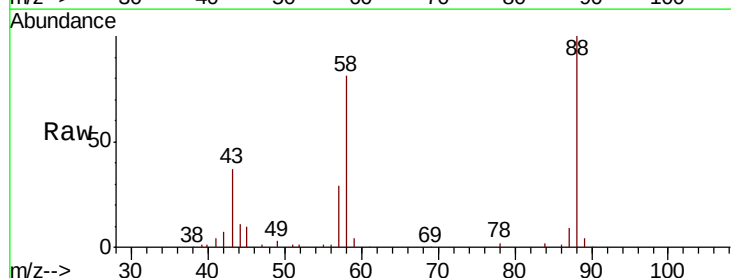
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Ion Ratio Lower Upper  
152 100  
150 155.0 126.6 189.8  
115 56.0 50.7 76.1

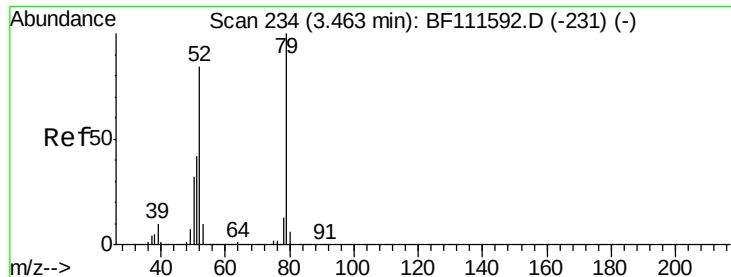


#2

1,4-Dioxane  
Concen: 20.638 ng  
RT: 2.73 min Scan# 110  
Delta R.T. 0.02 min  
Lab File: BF111693.D  
Acq: 21 Dec 2018 17:56

Tgt Ion: 88 Resp: 99846  
Ion Ratio Lower Upper  
88 100  
58 83.9 68.9 103.3  
43 38.7 25.8 38.6#





#3

Pyridine

Concen: 20.429 ng

RT: 3.52 min Scan# 244

Delta R.T. 0.06 min

Lab File: BF111693.D

Acq: 21 Dec 2018 17:56

Instrument :

BNA\_F

ClientSampleId :

P001-SS025-1218-01MSD

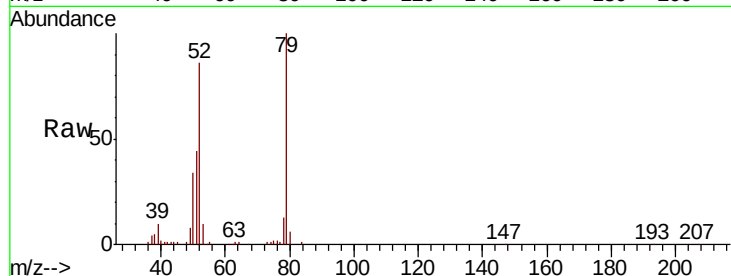
Tgt Ion: 79 Resp: 257495

Ion Ratio Lower Upper

79 100

52 85.6 68.3 102.5

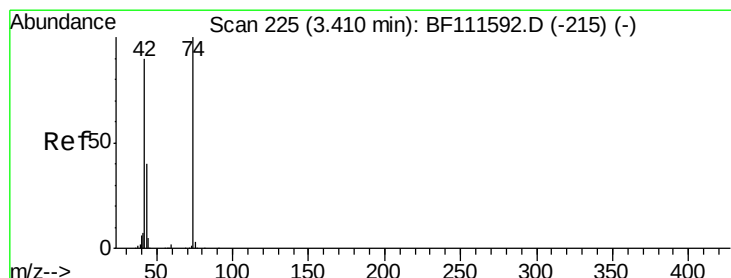
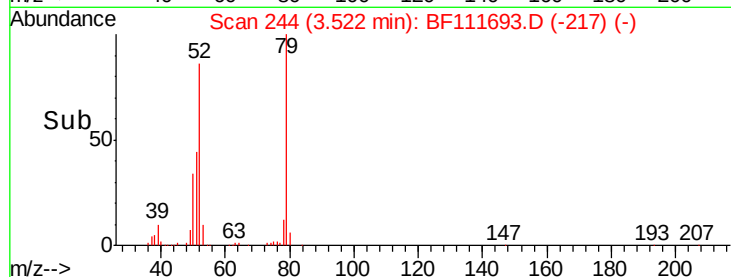
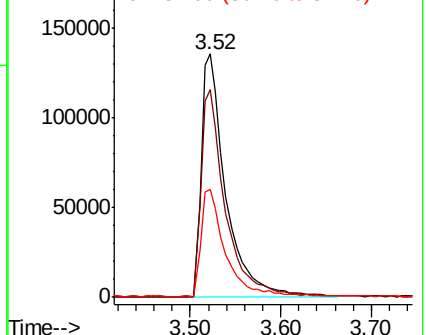
51 44.1 32.6 49.0



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: 28.198 ng

RT: 3.43 min Scan# 228

Delta R.T. 0.02 min

Lab File: BF111693.D

Acq: 21 Dec 2018 17:56

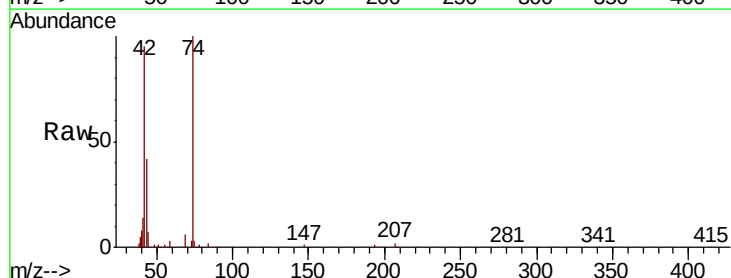
Tgt Ion: 42 Resp: 173940

Ion Ratio Lower Upper

42 100

74 105.3 101.5 152.3

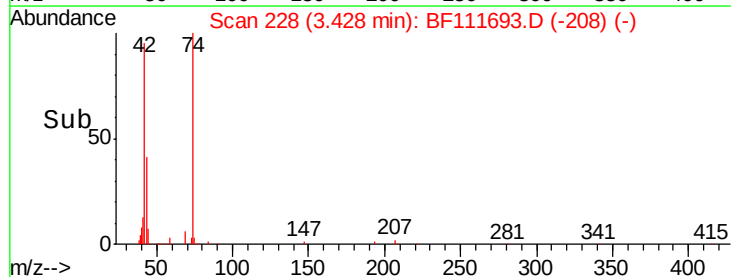
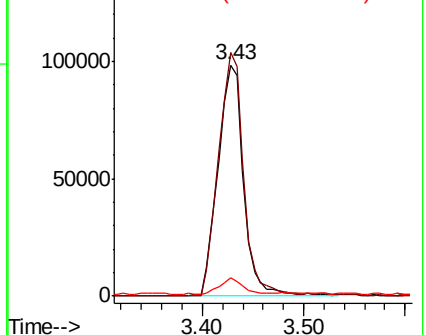
44 7.8 6.0 9.0

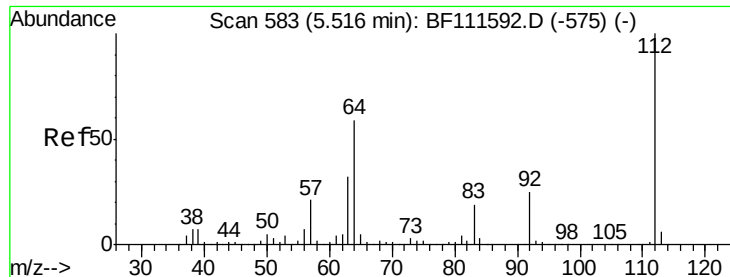


Abundance Ion 42.00 (41.70 to 42.70): BF1

Ion 74.00 (73.70 to 74.70): BF1

Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 77.186 ng

RT: 5.53 min Scan# 586

Delta R.T. 0.02 min

Lab File: BF111693.D

Acq: 21 Dec 2018 17:56

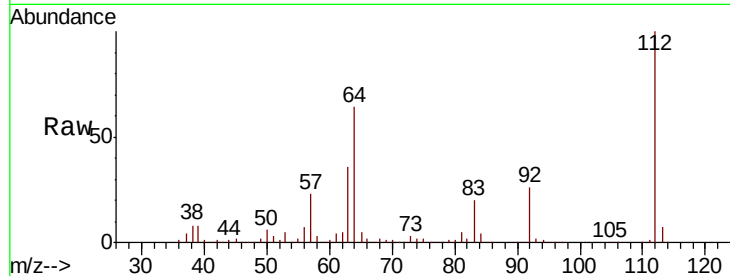
Instrument :

BNA\_F

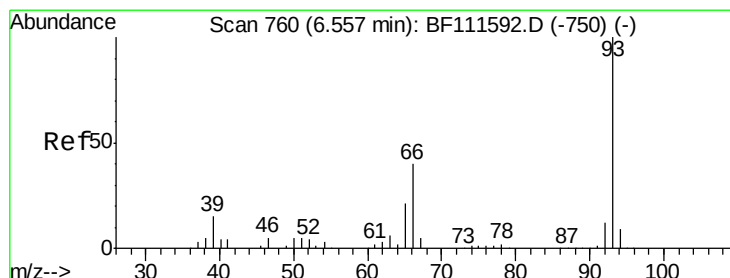
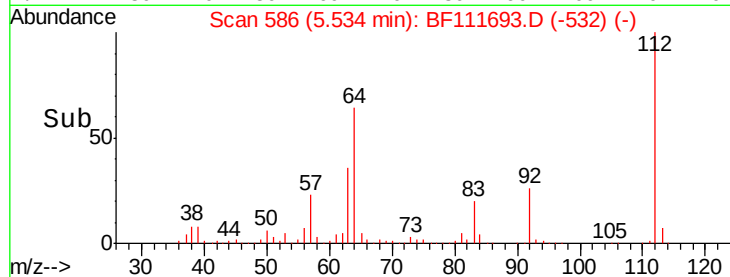
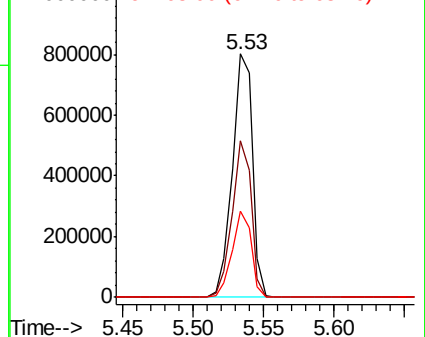
ClientSampleId :

P001-SS025-1218-01MSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 112   | Resp: | 793702 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 64       | 64.4  | 51.8  | 77.6   |
| 63       | 35.6  | 26.8  | 40.2   |



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: 3.820 ng

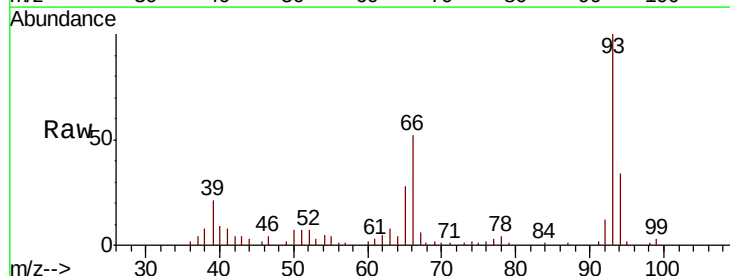
RT: 6.56 min Scan# 761

Delta R.T. 0.01 min

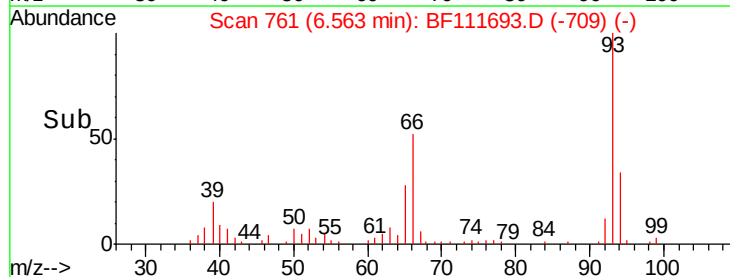
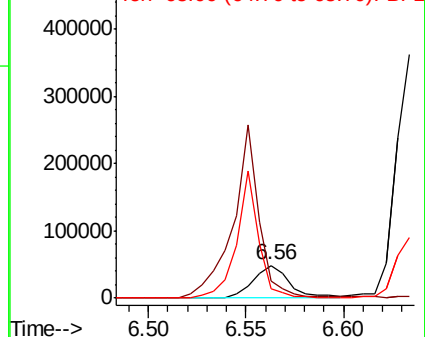
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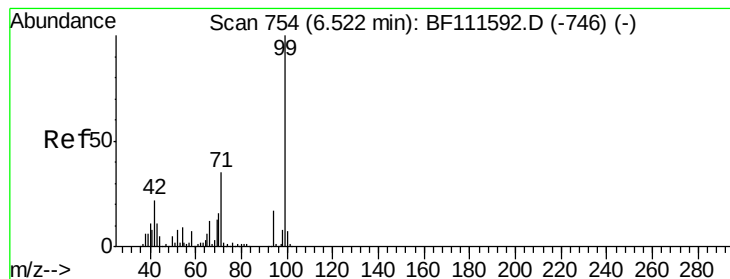
Acq: 21 Dec 2018 17:56

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 63716 |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 66       | 51.9  | 33.2  | 49.8# |
| 65       | 28.3  | 17.0  | 25.4# |



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: 74.954 ng

RT: 6.54 min Scan# 757

Delta R.T. 0.02 min

Lab File: BF111693.D

Acq: 21 Dec 2018 17:56

Instrument :

BNA\_F

ClientSampleId :

P001-SS025-1218-01MSD

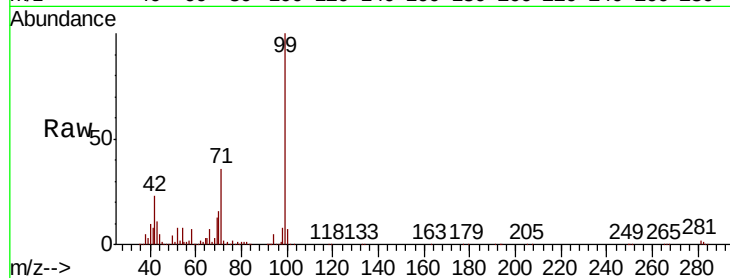
Tgt Ion: 99 Resp: 980897

Ion Ratio Lower Upper

99 100

42 22.7 17.4 26.0

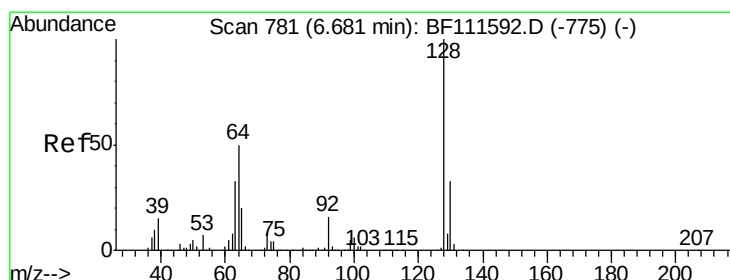
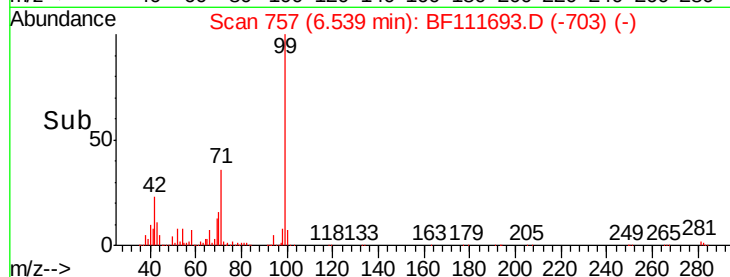
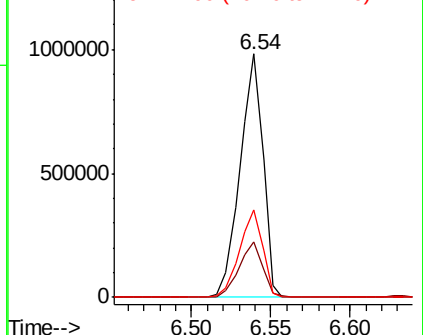
71 35.8 26.1 39.1



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 26.428 ng

RT: 6.69 min Scan# 783

Delta R.T. 0.01 min

Lab File: BF111693.D

Acq: 21 Dec 2018 17:56

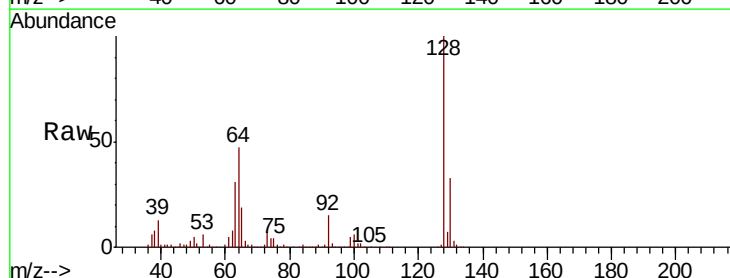
Tgt Ion: 128 Resp: 301043

Ion Ratio Lower Upper

128 100

130 32.7 12.7 52.7

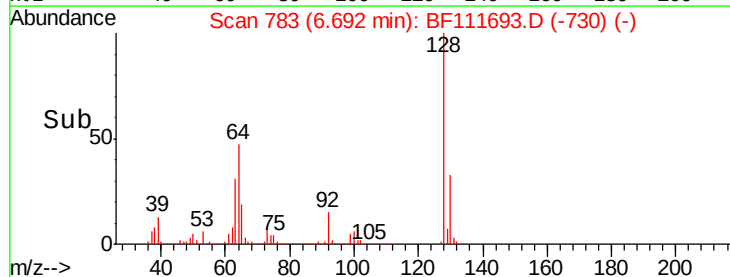
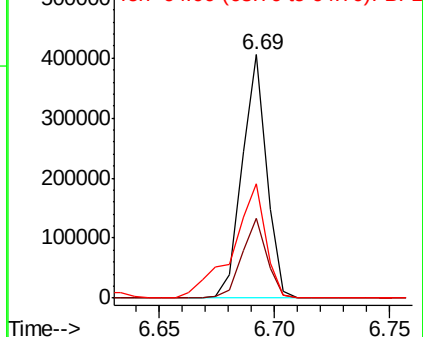
64 47.1 30.0 70.0



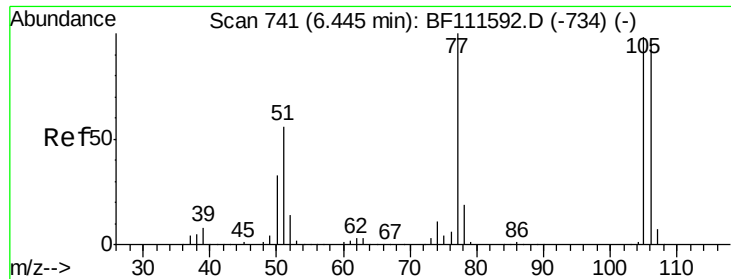
Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1



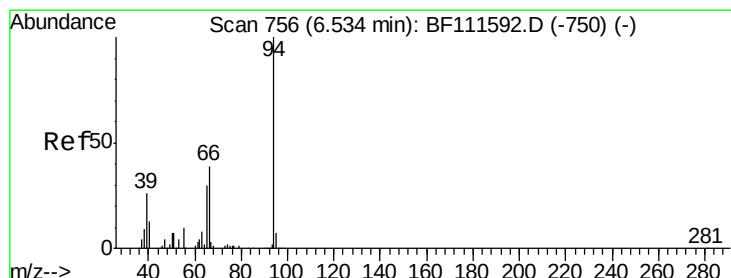
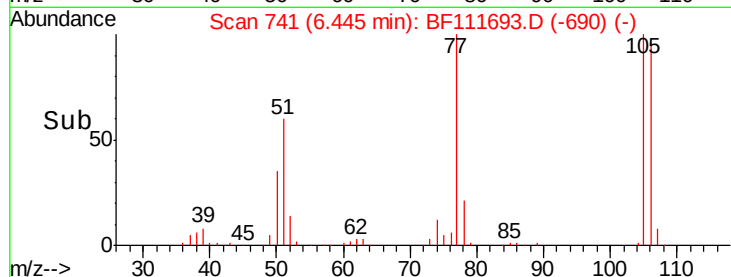
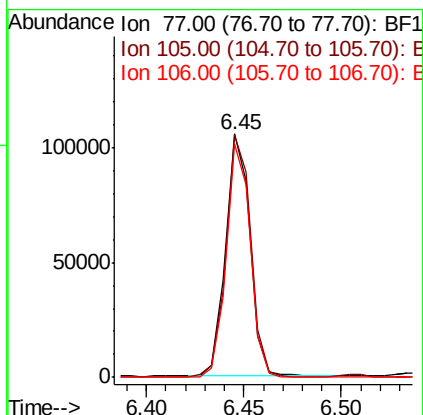
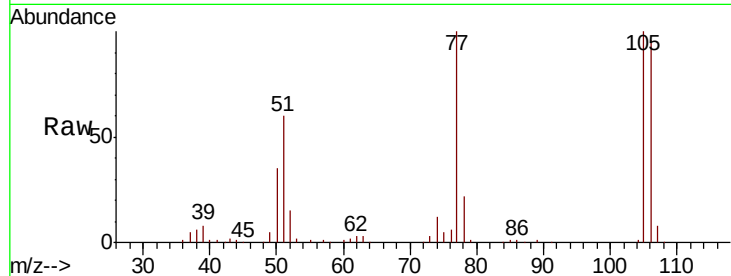




#9  
Benzaldehyde  
Concen: 10.127 ng  
RT: 6.45 min Scan# 741  
Delta R.T. -0.00 min  
Lab File: BF111693.D  
Acq: 21 Dec 2018 17:56

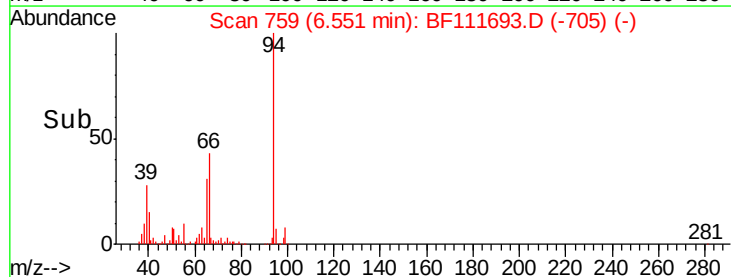
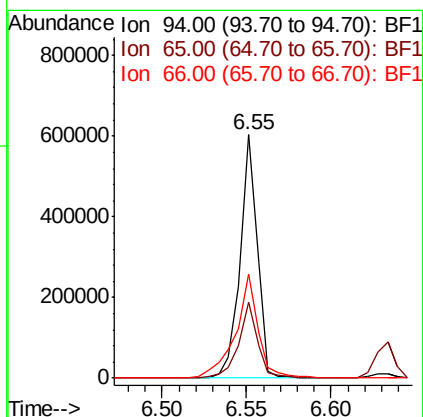
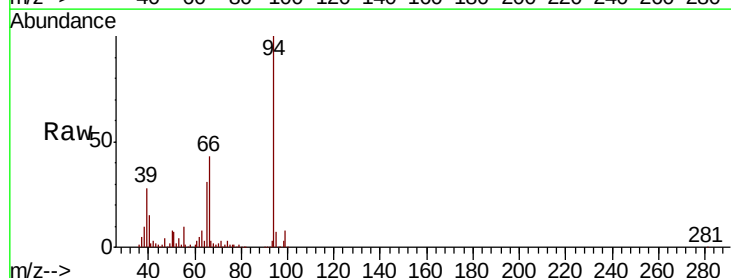
Instrument :  
BNA\_F  
ClientSampleId :  
P001-SS025-1218-01MSD

Tgt Ion: 77 Resp: 91147  
Ion Ratio Lower Upper  
77 100  
105 99.7 81.4 121.4  
106 96.0 77.9 117.9

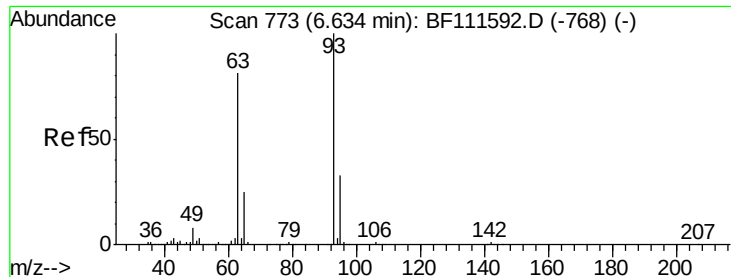


#10  
Phenol  
Concen: 28.969 ng  
RT: 6.55 min Scan# 759  
Delta R.T. 0.02 min  
Lab File: BF111693.D  
Acq: 21 Dec 2018 17:56

Tgt Ion: 94 Resp: 427753  
Ion Ratio Lower Upper  
94 100  
65 31.3 11.7 51.7  
66 42.5 21.0 61.0



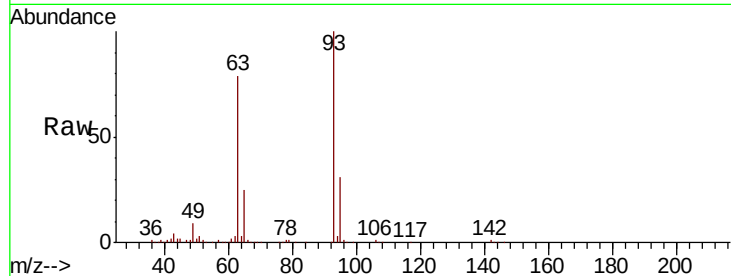




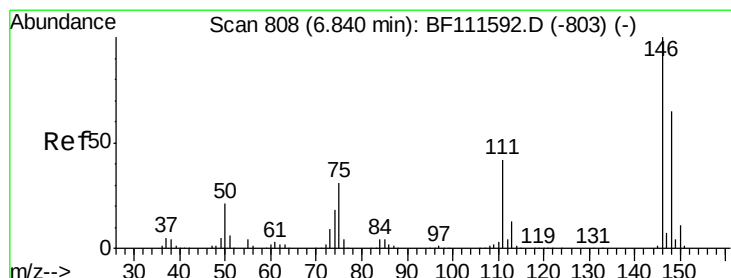
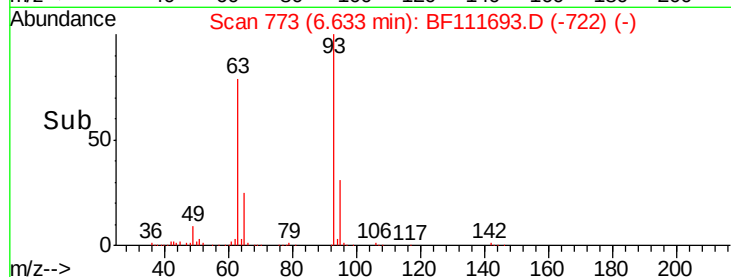
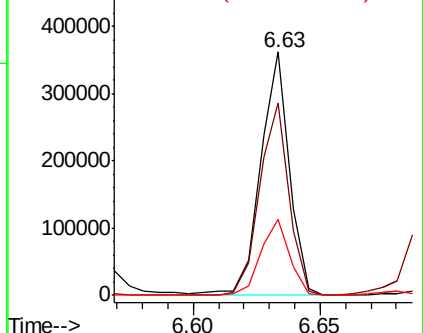
#11  
bis(2-Chloroethyl)ether  
Concen: 25.598 ng  
RT: 6.63 min Scan# 773  
Delta R.T. -0.00 min  
Lab File: BF111693.D  
Acq: 21 Dec 2018 17:56

Instrument :  
BNA\_F  
ClientSampleId :  
P001-SS025-1218-01MSD

Tgt Ion: 93 Resp: 283240  
Ion Ratio Lower Upper  
93 100  
63 79.1 60.0 100.0  
95 31.4 13.4 53.4

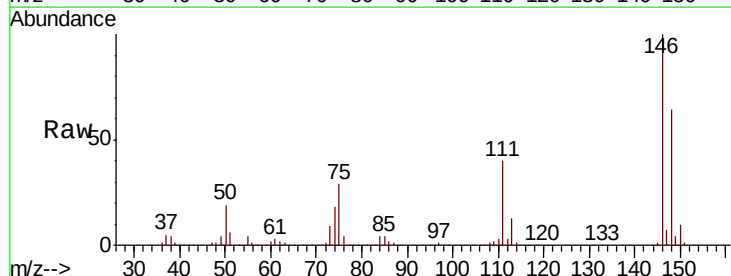


Abundance Ion 93.00 (92.70 to 93.70): BF1  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 95.00 (94.70 to 95.70): BF1

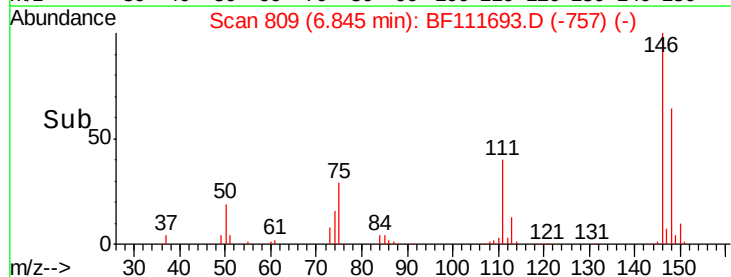
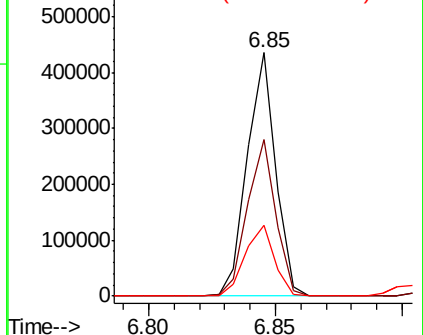


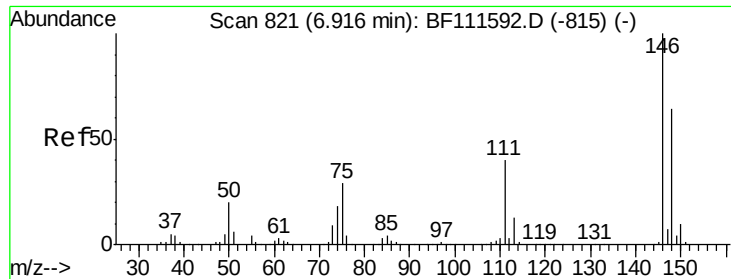
#12  
1,3-Dichlorobenzene  
Concen: 25.748 ng  
RT: 6.85 min Scan# 809  
Delta R.T. 0.01 min  
Lab File: BF111693.D  
Acq: 21 Dec 2018 17:56

Tgt Ion: 146 Resp: 339903  
Ion Ratio Lower Upper  
146 100  
148 64.4 52.1 78.1  
75 29.0 23.9 35.9



Abundance Ion 146.00 (145.70 to 146.70): E  
Ion 148.00 (147.70 to 148.70): E  
Ion 75.00 (74.70 to 75.70): BF1

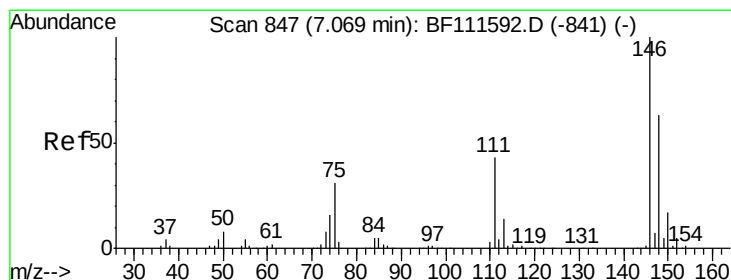
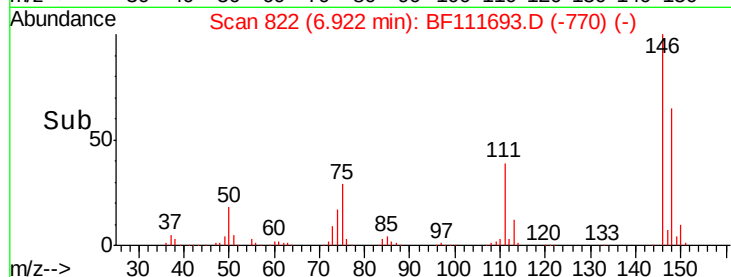
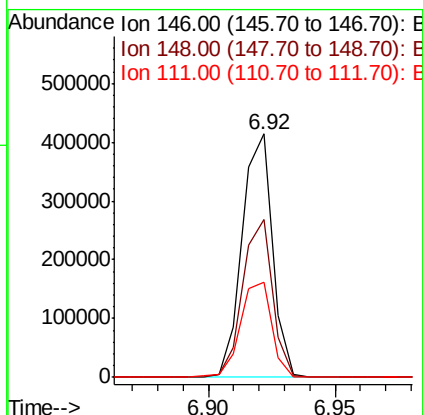
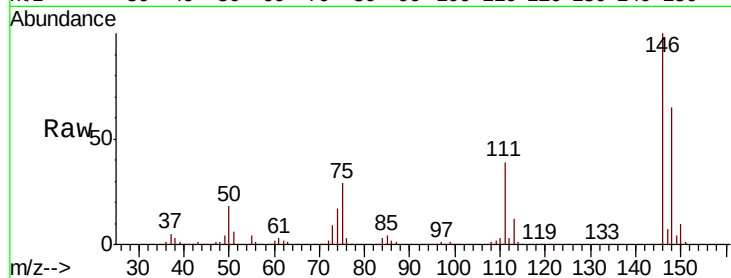




#13  
 1,4-Dichlorobenzene  
 Concen: 25.679 ng  
 RT: 6.92 min Scan# 822  
 Delta R.T. 0.01 min  
 Lab File: BF111693.D  
 Acq: 21 Dec 2018 17:56

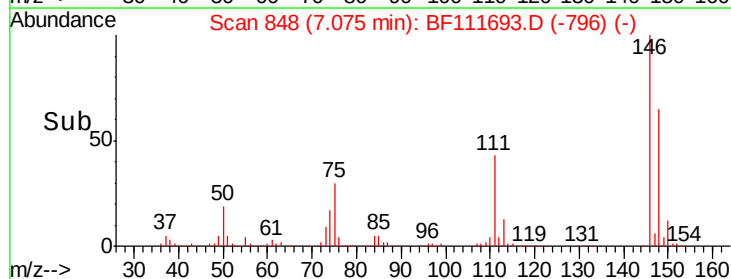
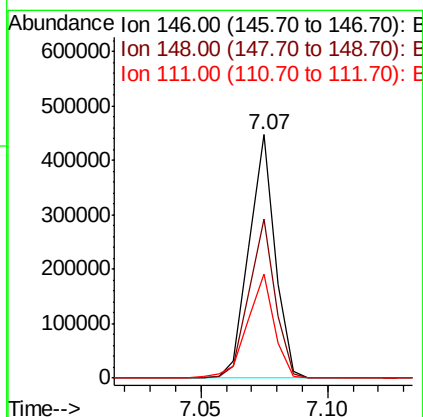
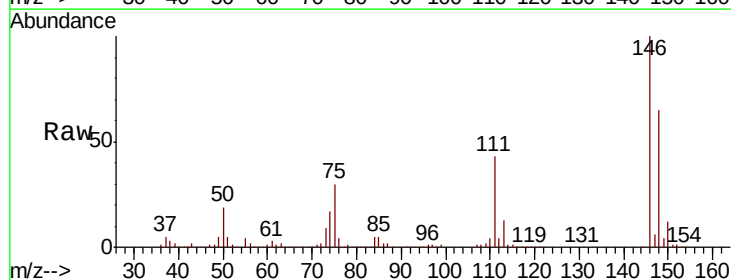
Instrument :  
 BNA\_F  
 ClientSampleId :  
 P001-SS025-1218-01MSD

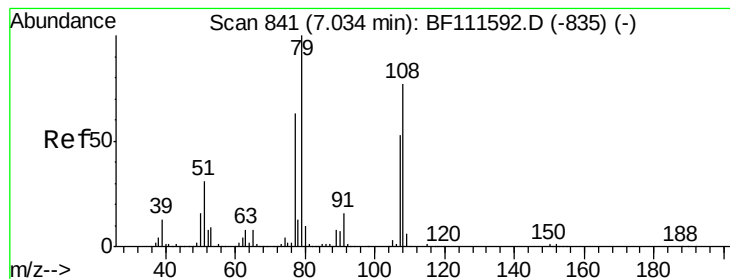
Tgt Ion:146 Resp: 343794  
 Ion Ratio Lower Upper  
 146 100  
 148 64.9 52.8 79.2  
 111 38.8 33.4 50.0



#14  
 1,2-Dichlorobenzene  
 Concen: 25.590 ng  
 RT: 7.07 min Scan# 848  
 Delta R.T. 0.01 min  
 Lab File: BF111693.D  
 Acq: 21 Dec 2018 17:56

Tgt Ion:146 Resp: 319634  
 Ion Ratio Lower Upper  
 146 100  
 148 65.3 51.9 77.9  
 111 42.9 36.2 54.4





#15

Benzyl Alcohol

Concen: 25.268 ng

RT: 7.04 min Scan# 842

Delta R.T. 0.01 min

Lab File: BF111693.D

Acq: 21 Dec 2018 17:56

Instrument :

BNA\_F

ClientSampleId :

P001-SS025-1218-01MSD

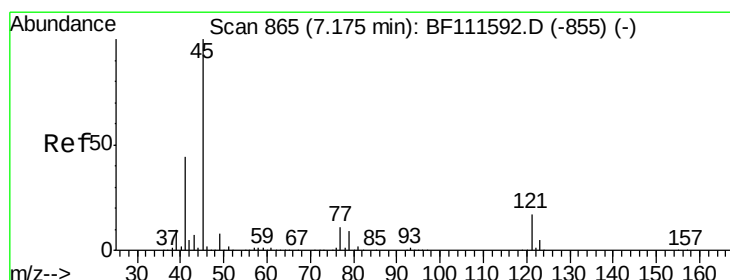
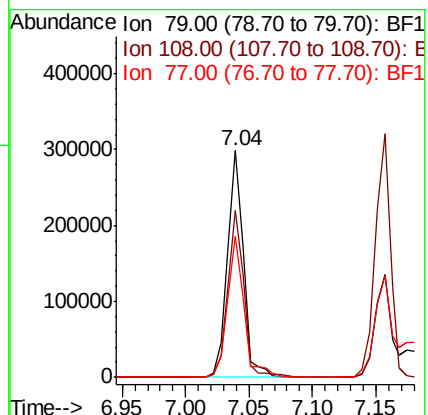
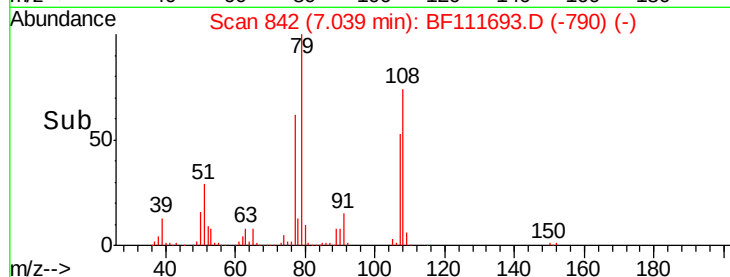
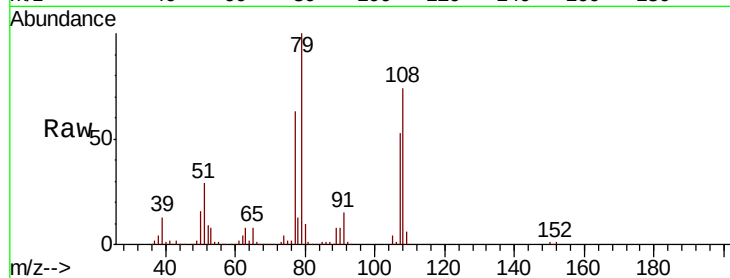
Tgt Ion: 79 Resp: 262619

Ion Ratio Lower Upper

79 100

108 73.6 69.4 104.2

77 62.6 49.7 74.5



#16

2,2'-oxybis(1-Chloropropane)

Concen: 23.679 ng

RT: 7.17 min Scan# 865

Delta R.T. -0.00 min

Lab File: BF111693.D

Acq: 21 Dec 2018 17:56

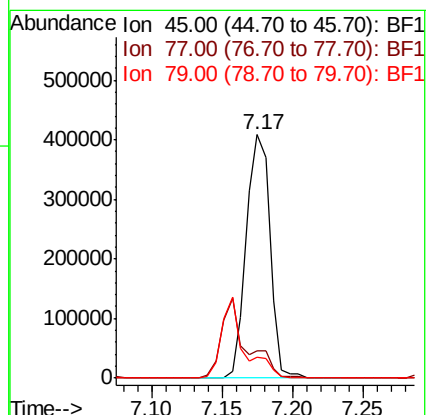
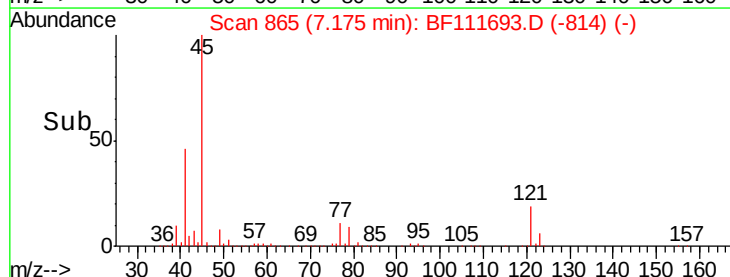
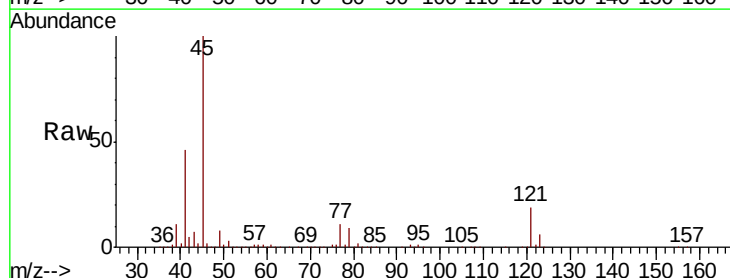
Tgt Ion: 45 Resp: 482542

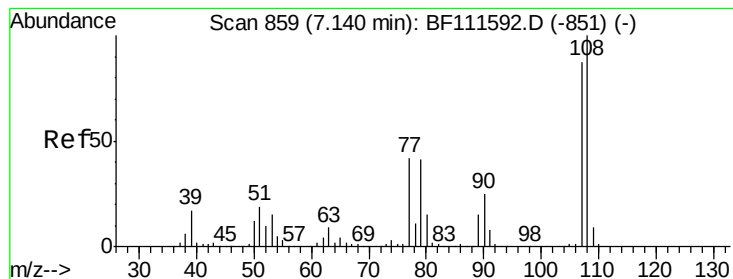
Ion Ratio Lower Upper

45 100

77 11.5 0.0 31.5

79 8.8 0.0 28.9





#17

2-Methylphenol

Concen: 25.689 ng

RT: 7.16 min Scan# 862

Delta R.T. 0.02 min

Lab File: BF111693.D

Acq: 21 Dec 2018 17:56

Instrument :

BNA\_F

ClientSampleId :

P001-SS025-1218-01MSD

Tgt Ion:107 Resp: 234312

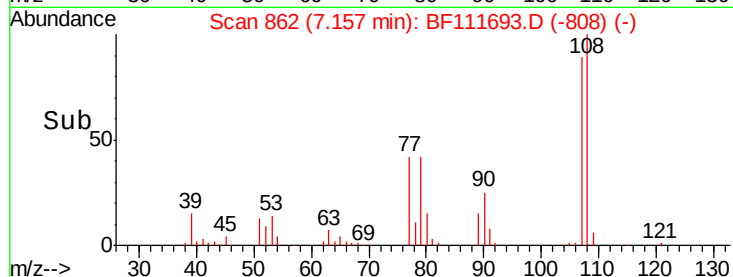
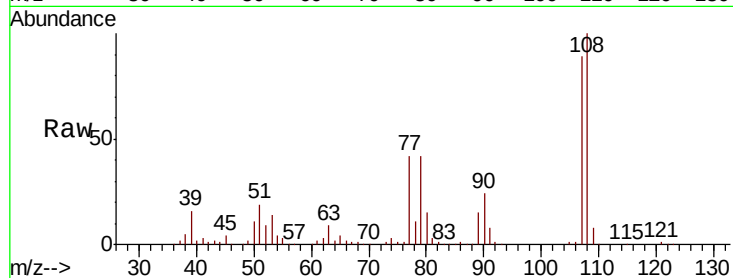
Ion Ratio Lower Upper

107 100

108 112.6 91.0 136.4

77 47.0 33.5 50.3

79 47.5 33.3 49.9

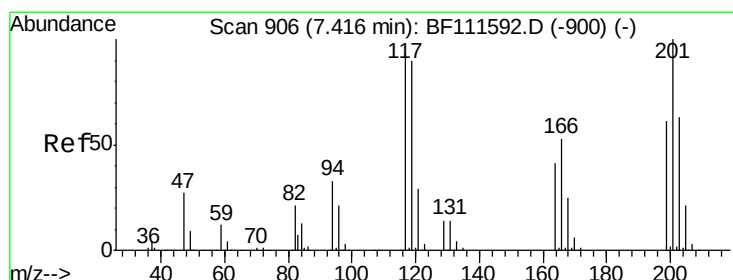
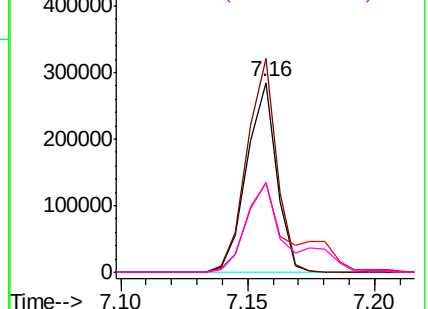


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18

Hexachloroethane

Concen: 16.471 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.00 min

Lab File: BF111693.D

Acq: 21 Dec 2018 17:56

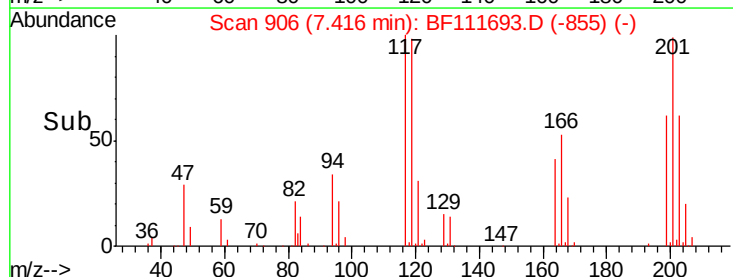
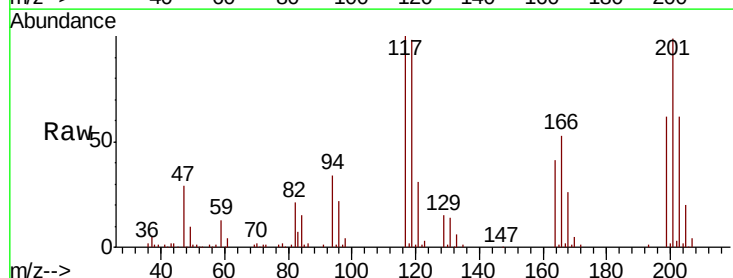
Tgt Ion:117 Resp: 74310

Ion Ratio Lower Upper

117 100

119 98.2 75.4 113.0

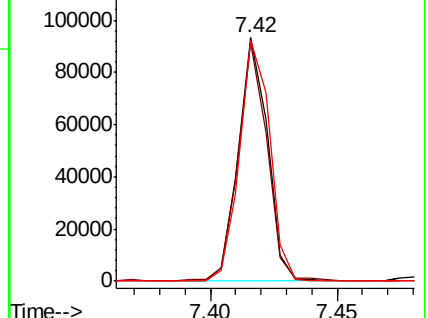
201 99.1 62.4 93.6#

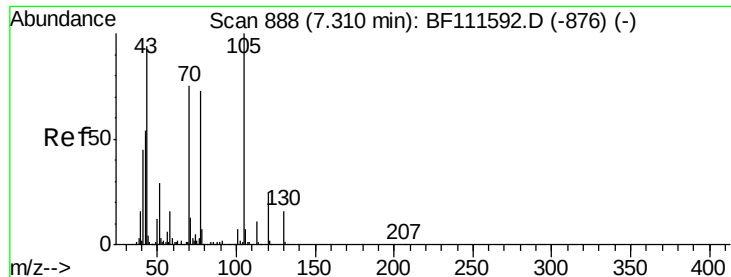


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

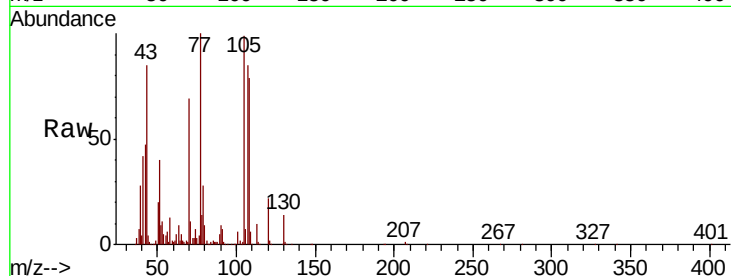




#19  
n-Nitroso-di-n-propylamine  
Concen: 24.577 ng  
RT: 7.31 min Scan# 888  
Delta R.T. -0.00 min  
Lab File: BF111693.D  
Acq: 21 Dec 2018 17:56

Instrument :  
BNA\_F  
ClientSampleId :  
P001-SS025-1218-01MSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 70    | Resp: | 213601 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 68.3  | 53.2  | 79.8   |
| 101      | 9.1   | 8.2   | 12.4   |
| 130      | 20.7  | 18.1  | 27.1   |



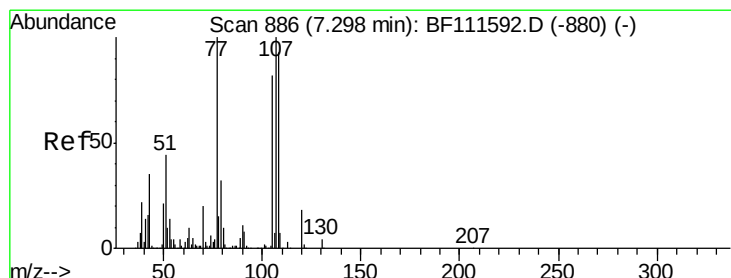
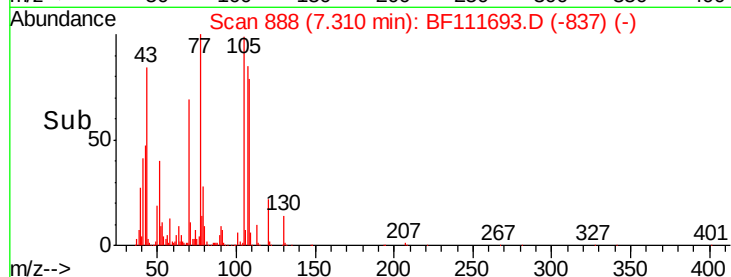
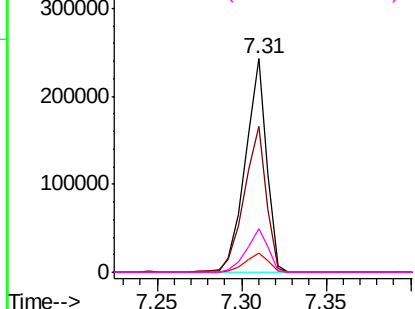
Abundance

Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

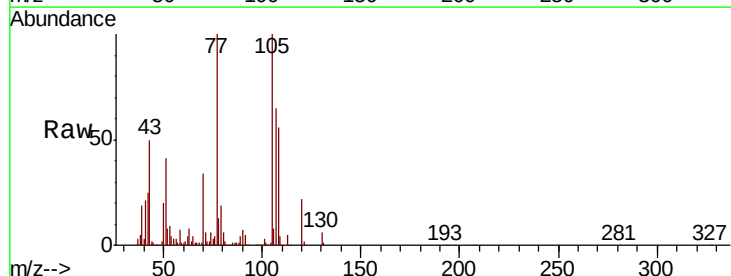
Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#20  
3+4-Methylphenols  
Concen: 26.182 ng  
RT: 7.30 min Scan# 887  
Delta R.T. 0.01 min  
Lab File: BF111693.D  
Acq: 21 Dec 2018 17:56

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 301743 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 85.8  | 72.1  | 112.1  |
| 77       | 153.9 | 94.1  | 134.1# |
| 79       | 29.0  | 9.8   | 49.8   |



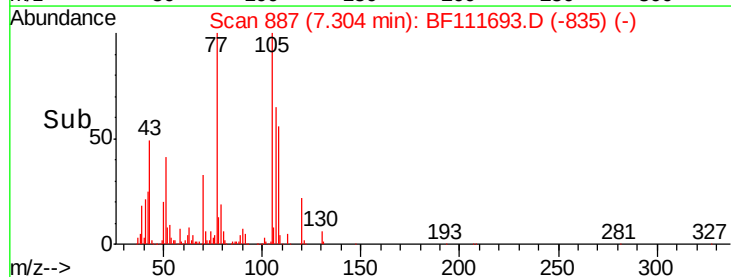
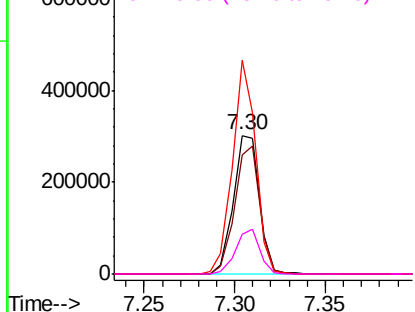
Abundance

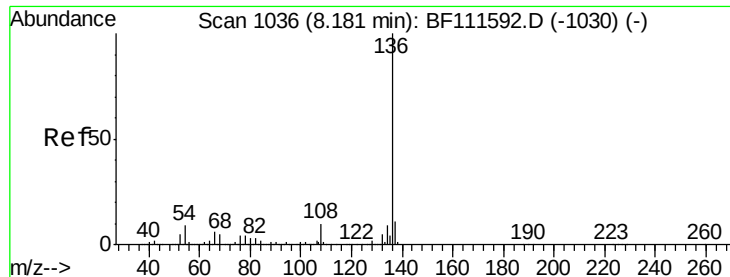
Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1

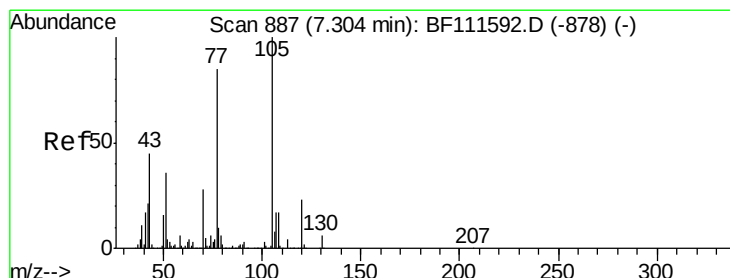
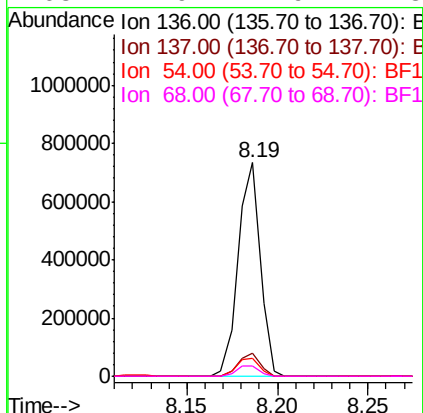
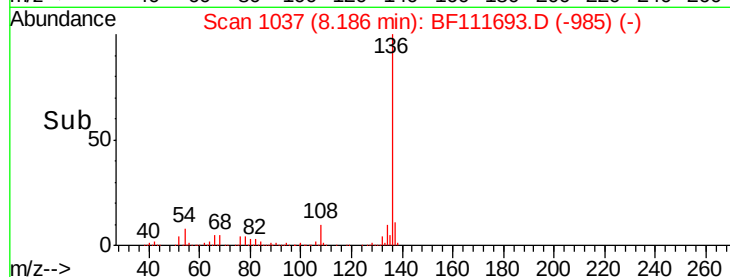
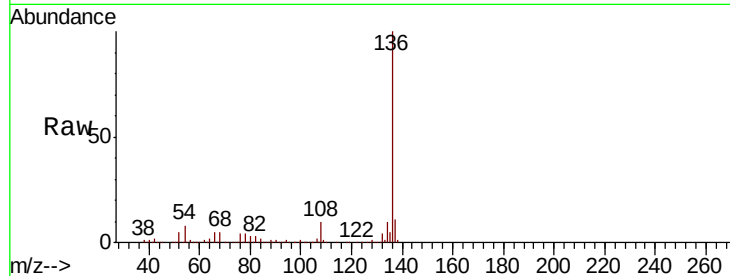




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.19 min Scan# 1037  
Delta R.T. 0.01 min  
Lab File: BF111693.D  
Acq: 21 Dec 2018 17:56

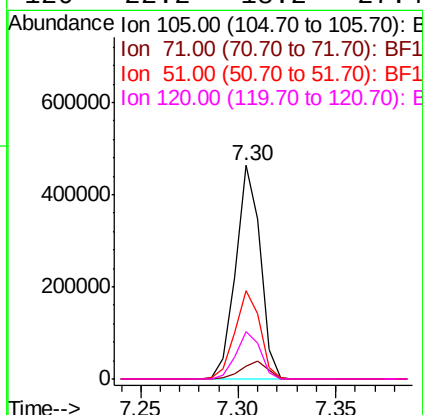
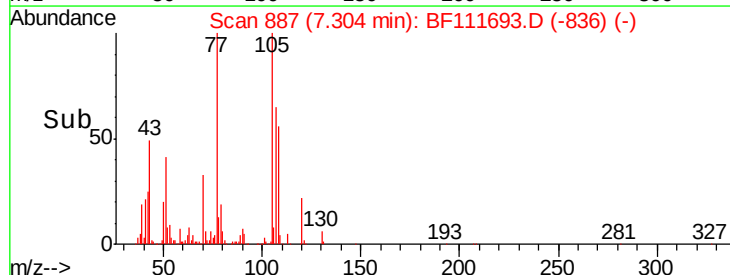
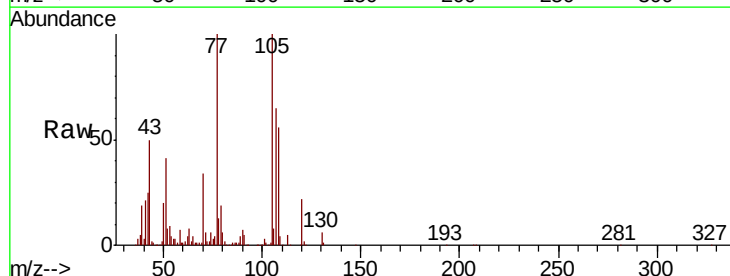
Instrument :  
BNA\_F  
ClientSampleId :  
P001-SS025-1218-01MSD

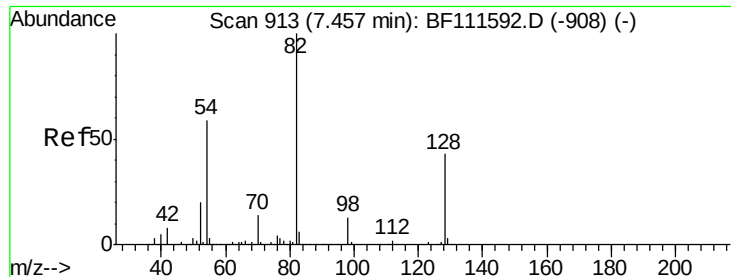
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 625320 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.1  | 9.1   | 13.7   |
| 54       | 8.4   | 7.7   | 11.5   |
| 68       | 4.9   | 4.9   | 7.3    |



#22  
Acetophenone  
Concen: 25.585 ng  
RT: 7.30 min Scan# 887  
Delta R.T. -0.00 min  
Lab File: BF111693.D  
Acq: 21 Dec 2018 17:56

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 105   | Resp: | 405319 |
| Ion      | Ratio | Lower | Upper  |
| 105      | 100   |       |        |
| 71       | 5.9   | 3.1   | 4.7#   |
| 51       | 41.3  | 36.6  | 54.8   |
| 120      | 22.2  | 18.2  | 27.4   |

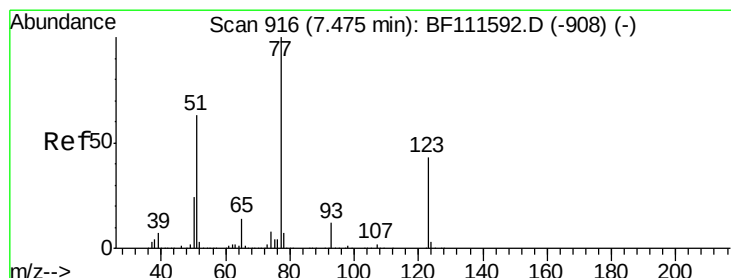
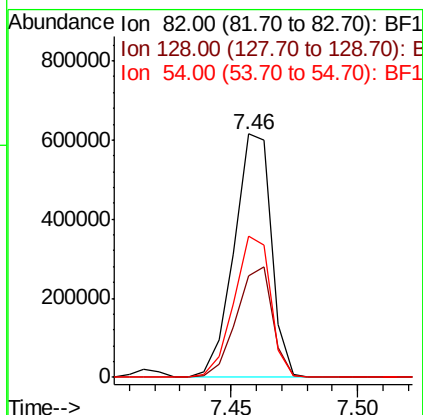
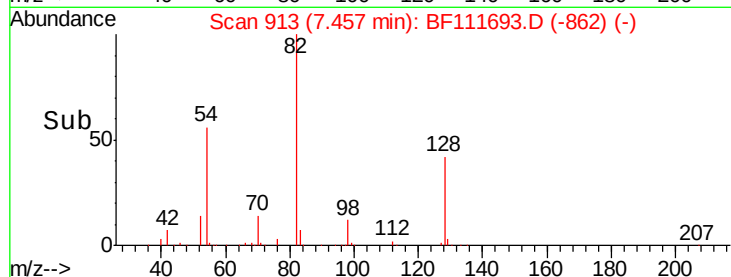
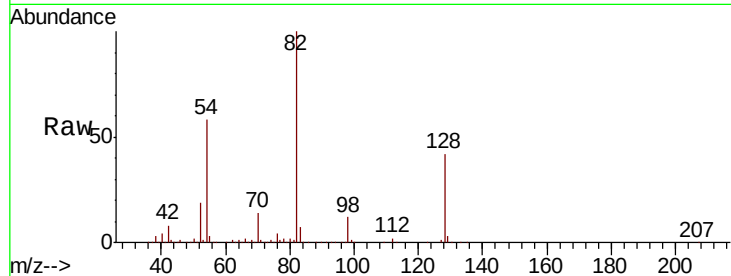




#23  
 Nitrobenzene-d5  
 Concen: 58.220 ng  
 RT: 7.46 min Scan# 913  
 Delta R.T. -0.00 min  
 Lab File: BF111693.D  
 Acq: 21 Dec 2018 17:56

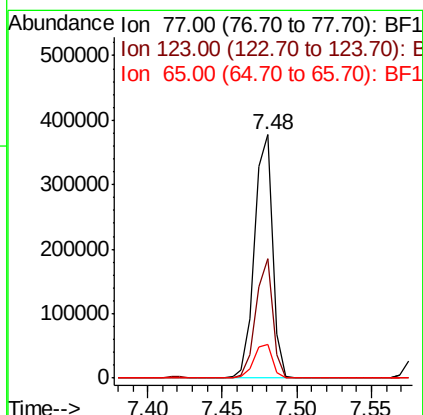
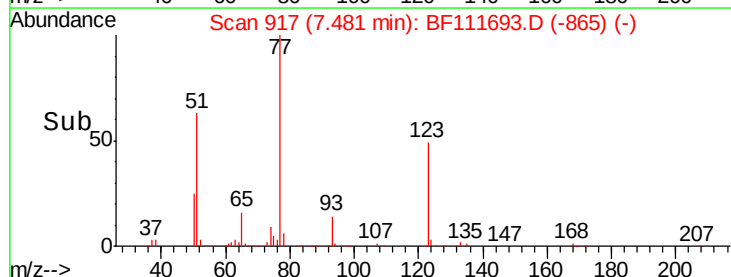
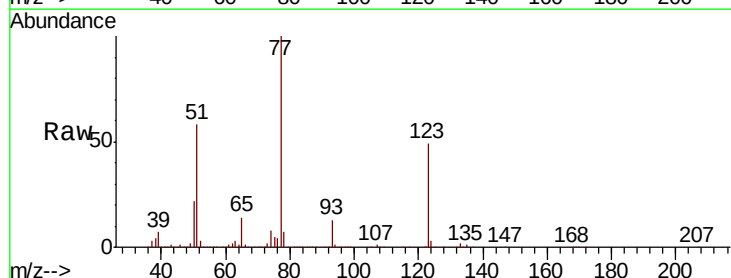
Instrument :  
 BNA\_F  
 ClientSampleId :  
 P001-SS025-1218-01MSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 41.9  | 37.4  | 56.2  |
| 54      | 57.9  | 47.6  | 71.4  |

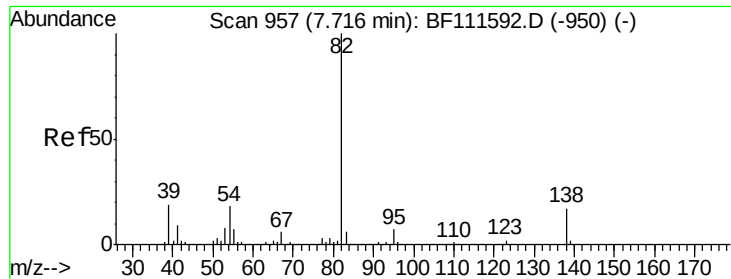


#24  
 Nitrobenzene  
 Concen: 27.797 ng  
 RT: 7.48 min Scan# 917  
 Delta R.T. 0.01 min  
 Lab File: BF111693.D  
 Acq: 21 Dec 2018 17:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 49.3  | 37.2  | 55.8  |
| 65      | 13.8  | 11.5  | 17.3  |



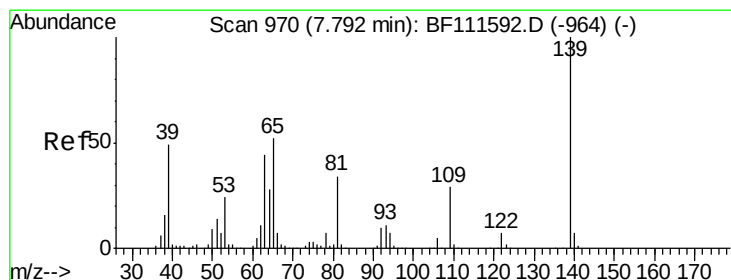
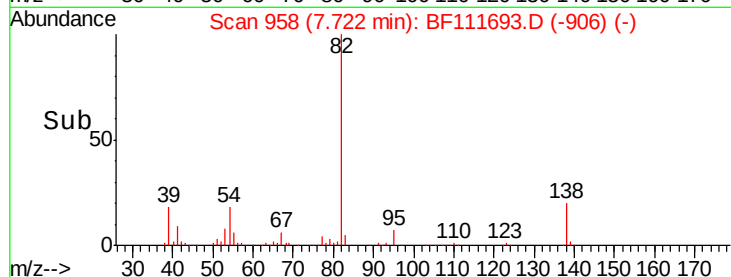
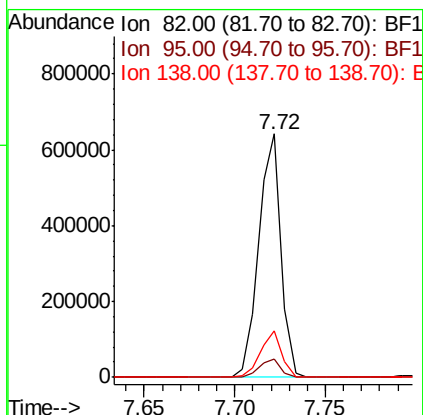
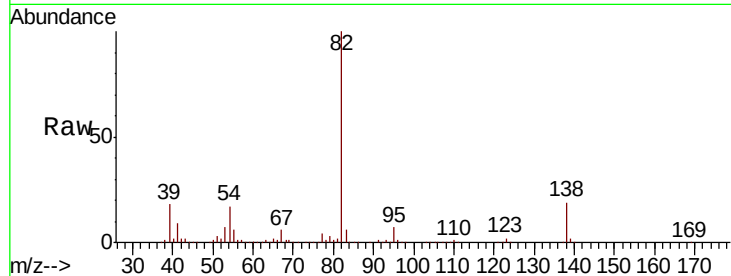




#25  
Isophorone  
Concen: 28.600 ng  
RT: 7.72 min Scan# 958  
Delta R.T. 0.01 min  
Lab File: BF111693.D  
Acq: 21 Dec 2018 17:56

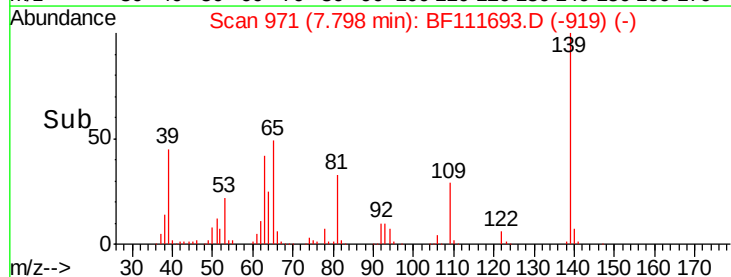
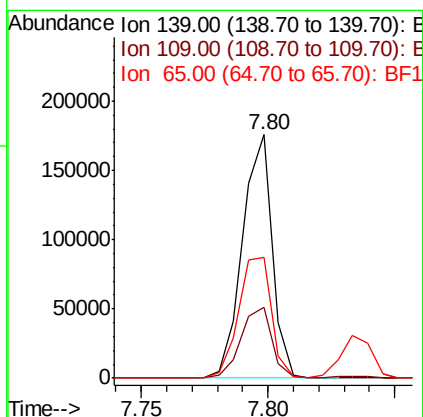
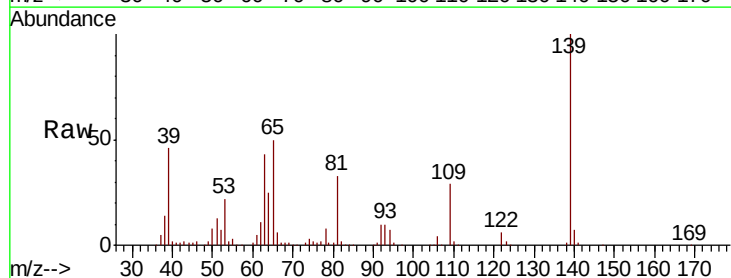
Instrument :  
BNA\_F  
ClientSampleId :  
P001-SS025-1218-01MSD

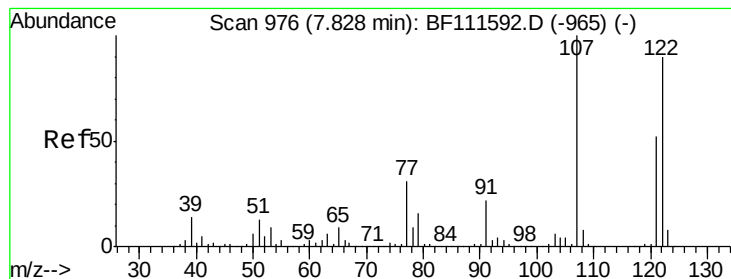
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 95      | 7.4   | 5.4   | 8.2   |
| 138     | 18.9  | 15.1  | 22.7  |



#26  
2-Nitrophenol  
Concen: 31.333 ng  
RT: 7.80 min Scan# 971  
Delta R.T. 0.01 min  
Lab File: BF111693.D  
Acq: 21 Dec 2018 17:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 29.2  | 20.2  | 30.4  |
| 65      | 49.7  | 40.7  | 61.1  |





#27

2,4-Dimethylphenol

Concen: 27.567 ng

RT: 7.83 min Scan# 977

Delta R.T. 0.01 min

Lab File: BF111693.D

Acq: 21 Dec 2018 17:56

Instrument :

BNA\_F

ClientSampleId :

P001-SS025-1218-01MSD

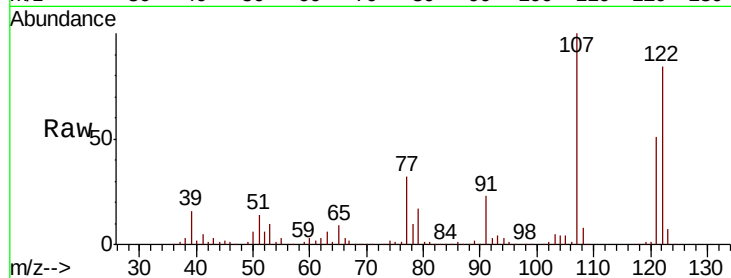
Tgt Ion: 122 Resp: 248151

Ion Ratio Lower Upper

122 100

107 118.6 85.5 128.3

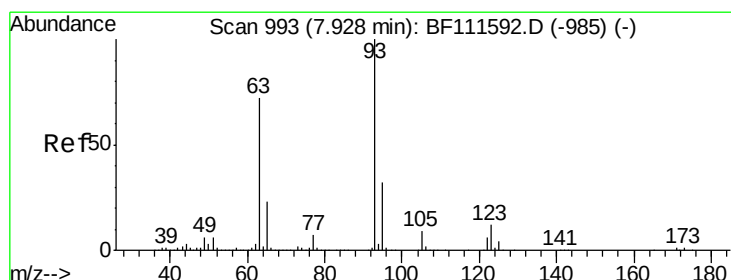
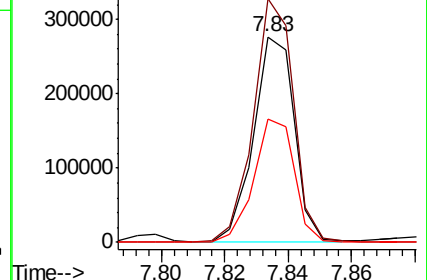
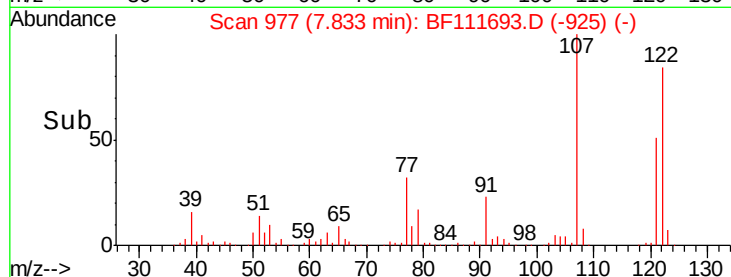
121 60.3 46.6 70.0



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 26.801 ng

RT: 7.93 min Scan# 993

Delta R.T. -0.00 min

Lab File: BF111693.D

Acq: 21 Dec 2018 17:56

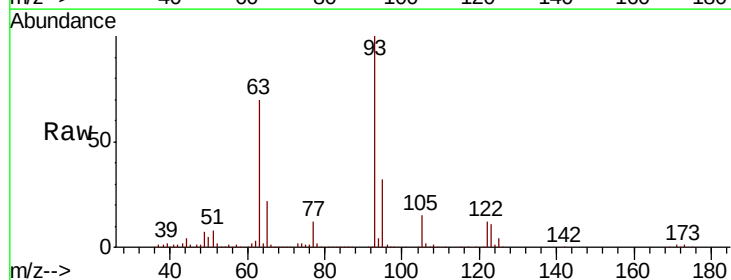
Tgt Ion: 93 Resp: 340142

Ion Ratio Lower Upper

93 100

95 32.4 27.1 40.7

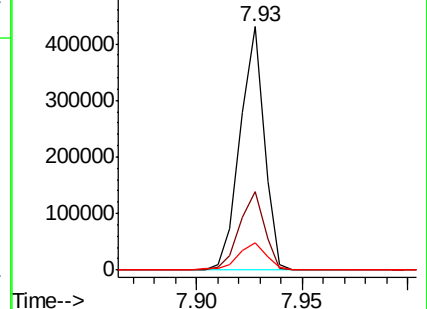
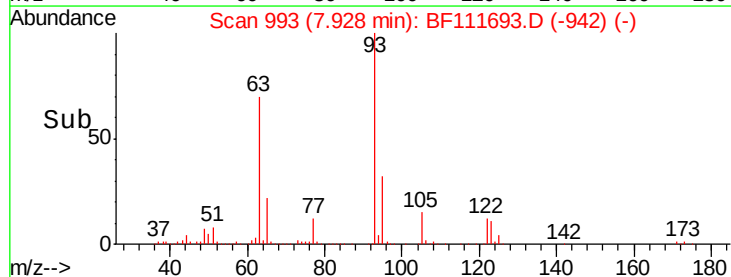
123 11.4 9.9 14.9

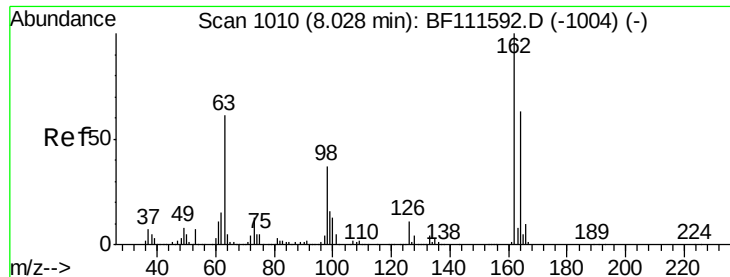


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

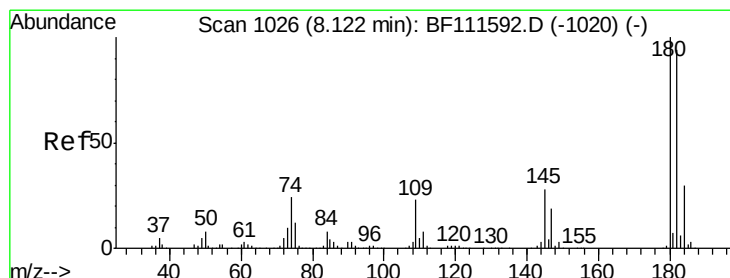
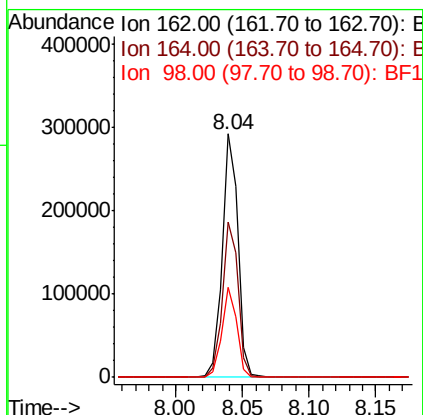
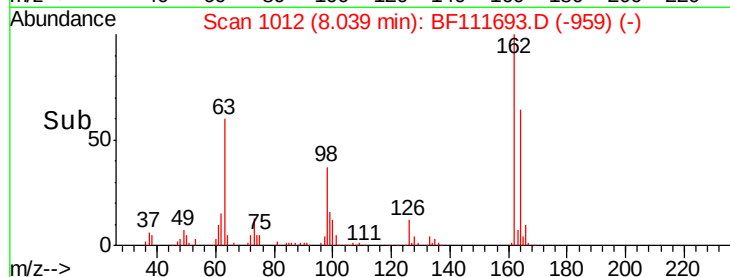
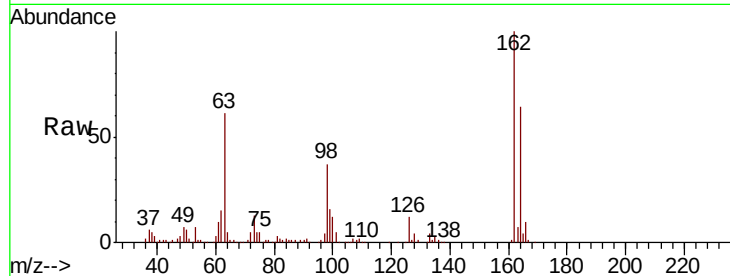




#29  
2,4-Dichlorophenol  
Concen: 25.115 ng  
RT: 8.04 min Scan# 1012  
Delta R.T. 0.01 min  
Lab File: BF111693.D  
Acq: 21 Dec 2018 17:56

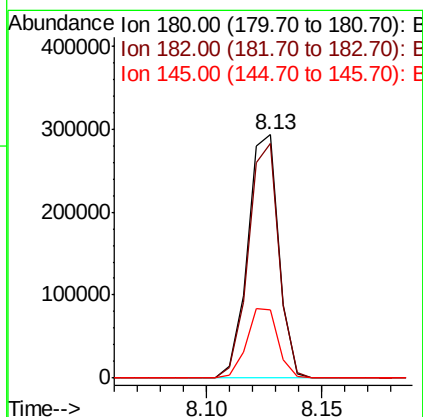
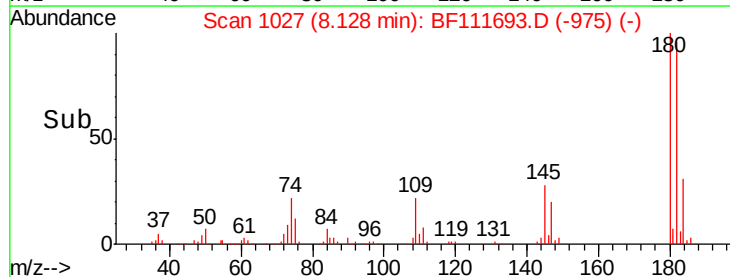
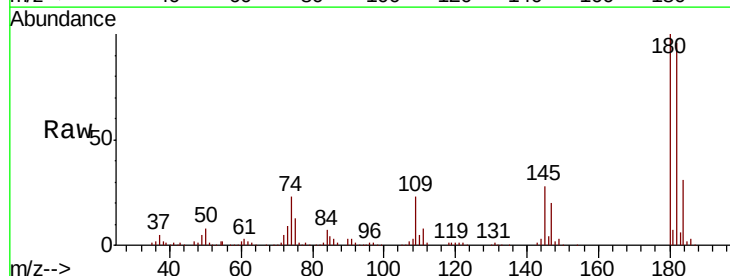
Instrument :  
BNA\_F  
ClientSampleId :  
P001-SS025-1218-01MSD

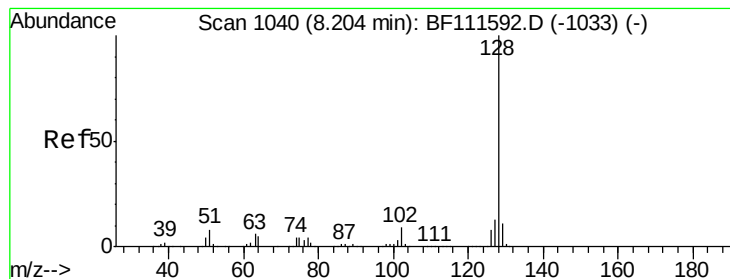
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 63.8  | 44.4  | 84.4  |
| 98      | 37.1  | 20.3  | 60.3  |



#30  
1,2,4-Trichlorobenzene  
Concen: 25.579 ng  
RT: 8.13 min Scan# 1027  
Delta R.T. 0.01 min  
Lab File: BF111693.D  
Acq: 21 Dec 2018 17:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 96.2  | 75.6  | 113.4 |
| 145     | 28.0  | 26.7  | 40.1  |





#31

Naphthalene

Concen: 27.929 ng

RT: 8.20 min Scan# 1040

Delta R.T. -0.00 min

Lab File: BF111693.D

Acq: 21 Dec 2018 17:56

Instrument :

BNA\_F

ClientSampleId :

P001-SS025-1218-01MSD

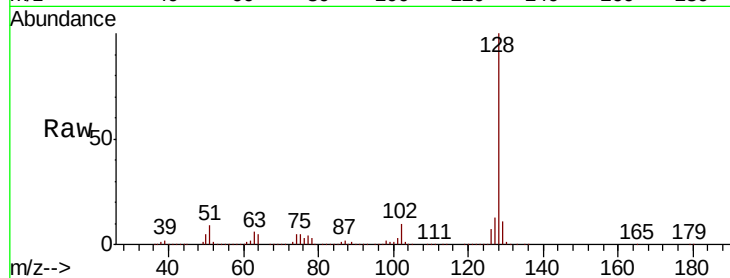
Tgt Ion:128 Resp: 839154

Ion Ratio Lower Upper

128 100

129 11.4 9.8 14.8

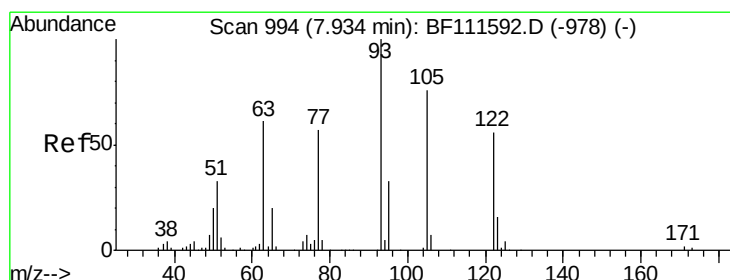
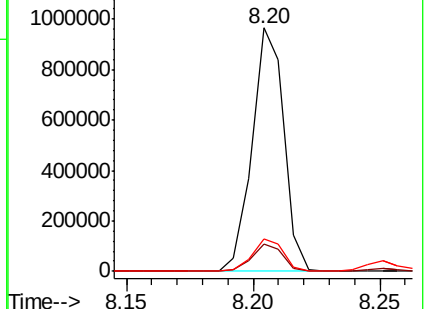
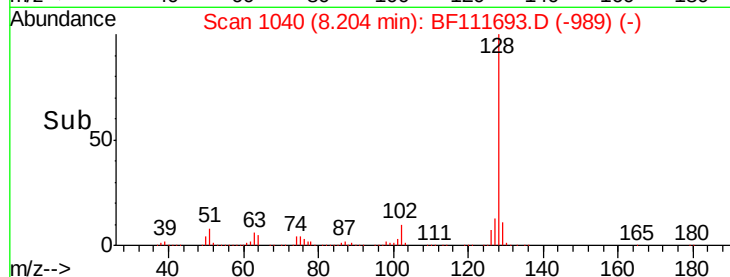
127 13.4 12.0 18.0



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: 23.157 ng

RT: 7.93 min Scan# 994

Delta R.T. -0.00 min

Lab File: BF111693.D

Acq: 21 Dec 2018 17:56

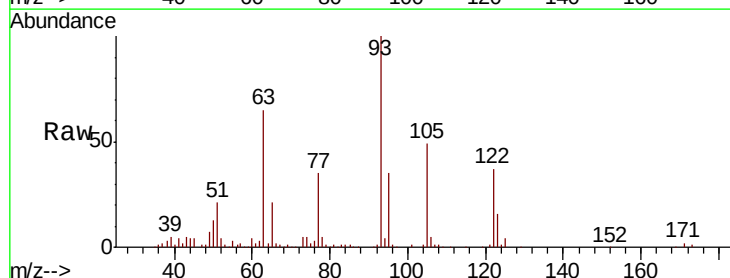
Tgt Ion:122 Resp: 137828

Ion Ratio Lower Upper

122 100

105 132.1 97.0 137.0

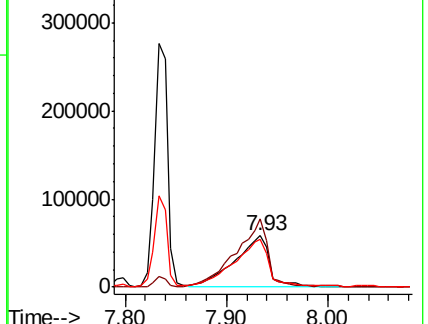
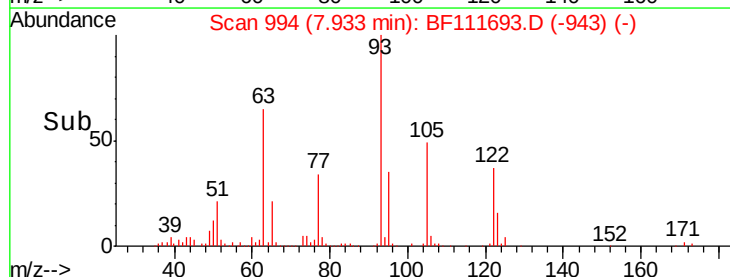
77 92.9 65.7 105.7

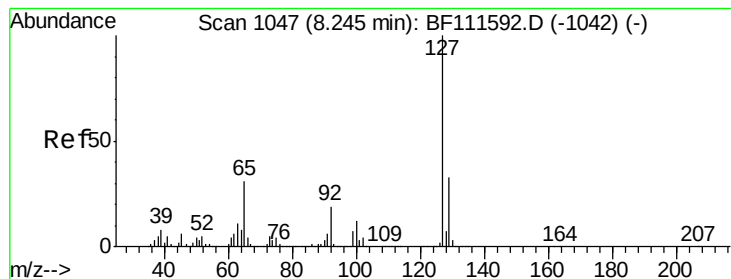


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





#33

4-Chloroaniline

Concen: 3.292 ng

RT: 8.25 min Scan# 1048

Delta R.T. 0.01 min

Lab File: BF111693.D

Acq: 21 Dec 2018 17:56

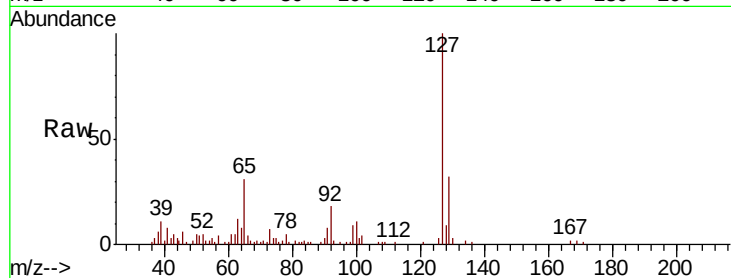
Instrument :

BNA\_F

ClientSampleId :

P001-SS025-1218-01MSD

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 127   | Resp: | 42750 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 32.4  | 26.6  | 39.8  |
| 65       | 30.9  | 25.7  | 38.5  |
| 92       | 18.1  | 15.4  | 23.2  |

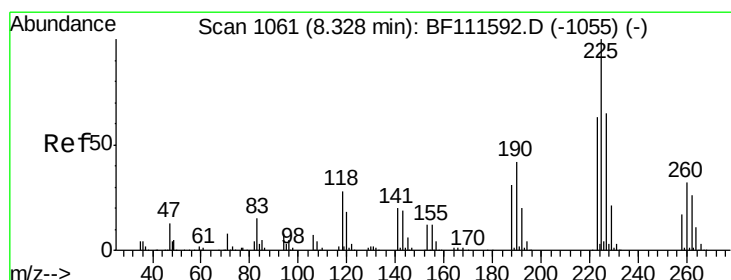
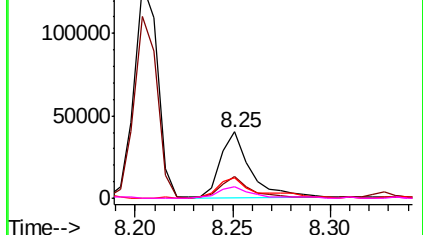
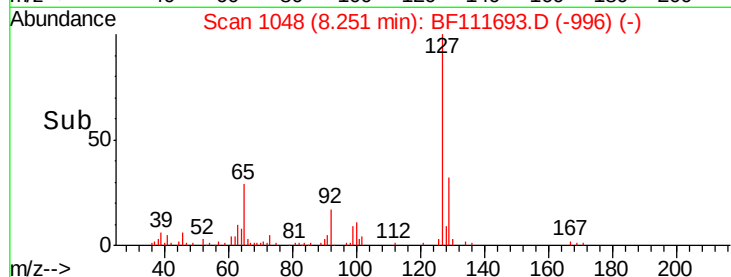


Abundance Ion 127.00 (126.70 to 127.70): E

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: 25.391 ng

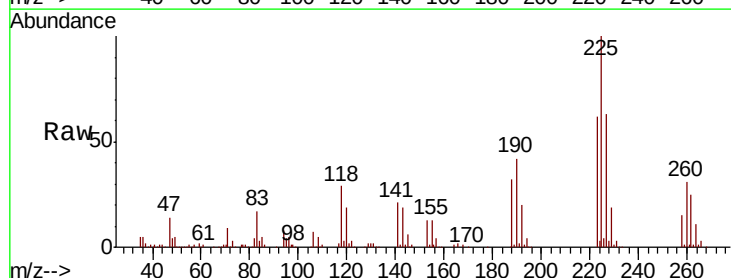
RT: 8.33 min Scan# 1061

Delta R.T. -0.00 min

Lab File: BF111693.D

Acq: 21 Dec 2018 17:56

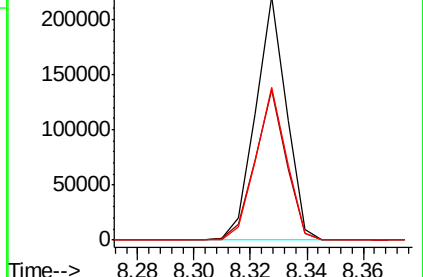
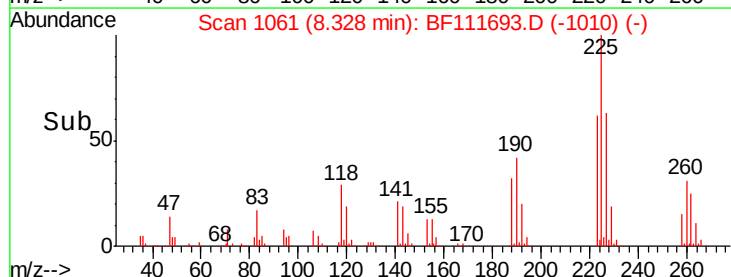
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 166967 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 61.6  | 50.7  | 76.1   |
| 227      | 62.9  | 52.6  | 78.8   |

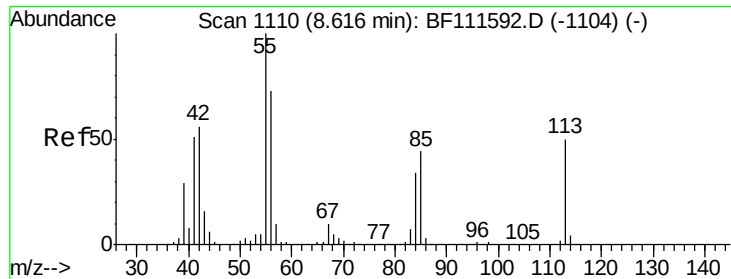


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

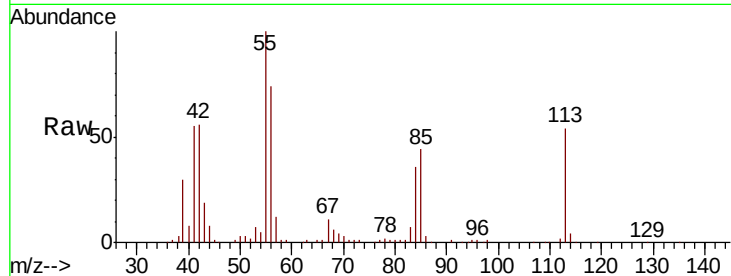




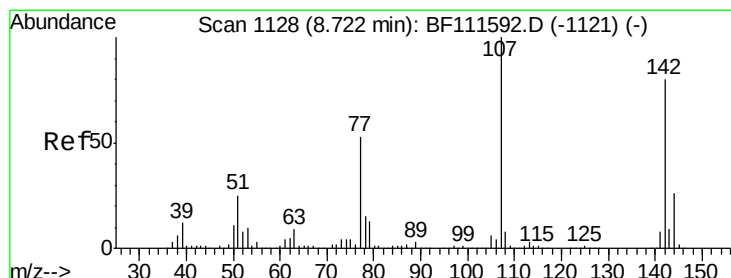
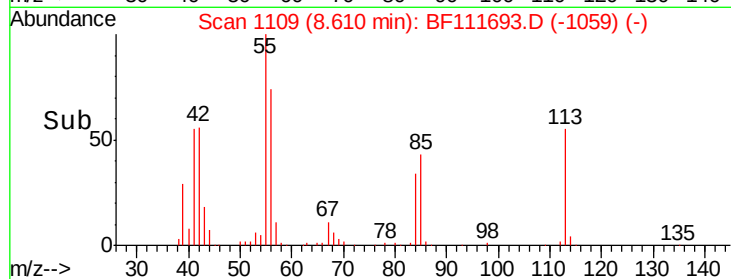
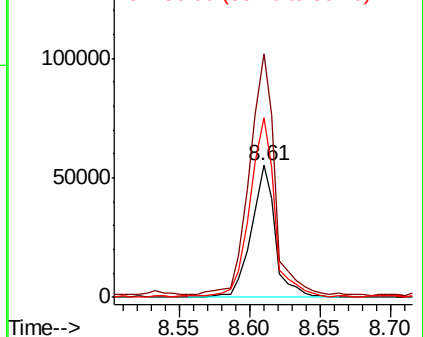
#35  
 Caprolactam  
 Concen: 19.996 ng  
 RT: 8.61 min Scan# 1109  
 Delta R.T. -0.01 min  
 Lab File: BF111693.D  
 Acq: 21 Dec 2018 17:56

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P001-SS025-1218-01MSD

Tgt Ion:113 Resp: 65603  
 Ion Ratio Lower Upper  
 113 100  
 55 184.3 184.1 224.1  
 56 136.4 126.0 166.0

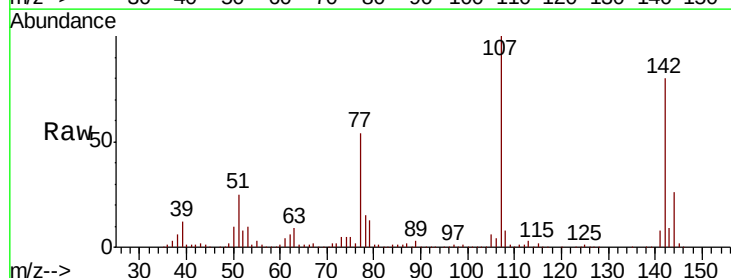


Abundance Ion 113.00 (112.70 to 113.70): E  
 Ion 55.00 (54.70 to 55.70): BF1  
 Ion 56.00 (55.70 to 56.70): BF1

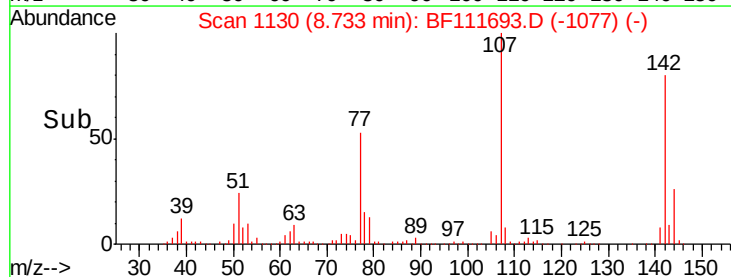
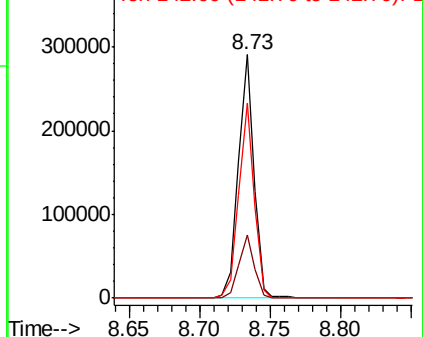


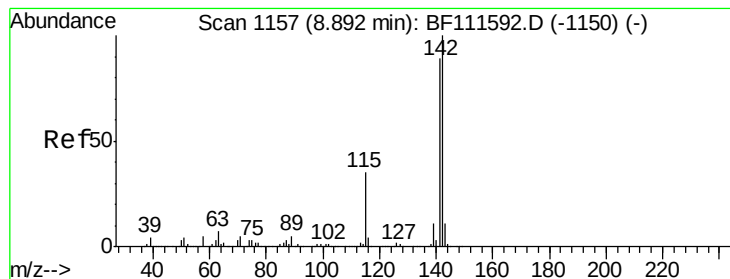
#36  
 4-Chloro-3-methylphenol  
 Concen: 23.636 ng  
 RT: 8.73 min Scan# 1130  
 Delta R.T. 0.01 min  
 Lab File: BF111693.D  
 Acq: 21 Dec 2018 17:56

Tgt Ion:107 Resp: 224958  
 Ion Ratio Lower Upper  
 107 100  
 144 25.9 19.8 29.6  
 142 79.9 62.3 93.5



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: 27.812 ng

RT: 8.90 min Scan# 1158

Delta R.T. 0.01 min

Lab File: BF111693.D

Acq: 21 Dec 2018 17:56

Instrument :

BNA\_F

ClientSampleId :

P001-SS025-1218-01MSD

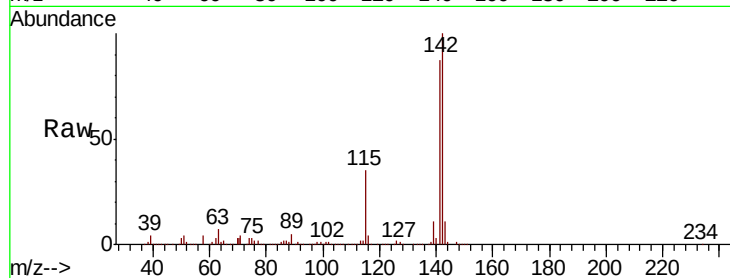
Tgt Ion:142 Resp: 543660

Ion Ratio Lower Upper

142 100

141 87.2 70.6 105.8

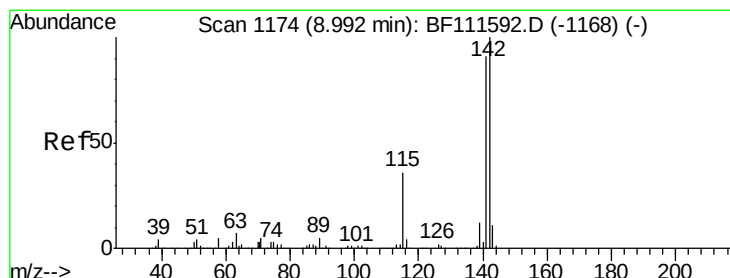
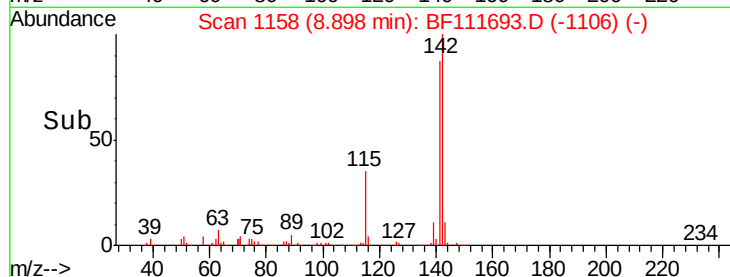
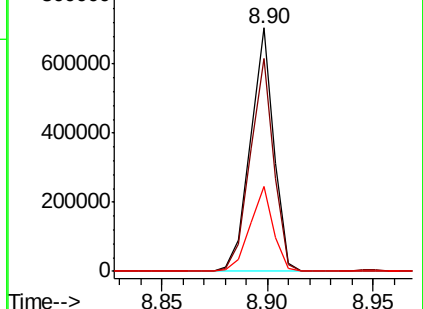
115 34.8 27.0 40.6



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

1-Methylnaphthalene

Concen: 26.835 ng

RT: 9.00 min Scan# 1175

Delta R.T. 0.01 min

Lab File: BF111693.D

Acq: 21 Dec 2018 17:56

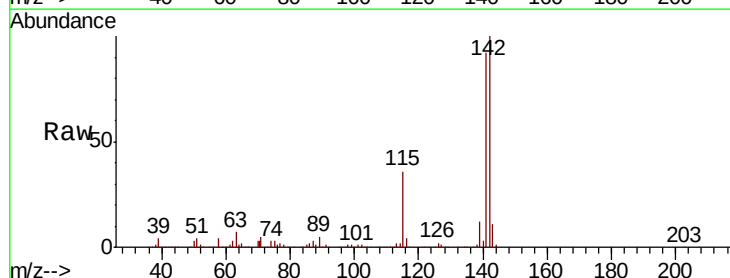
Tgt Ion:142 Resp: 503810

Ion Ratio Lower Upper

142 100

141 92.2 74.2 111.4

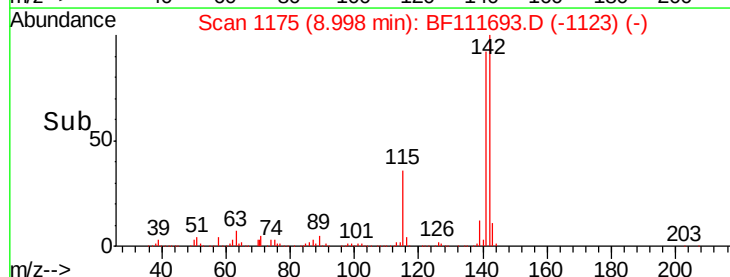
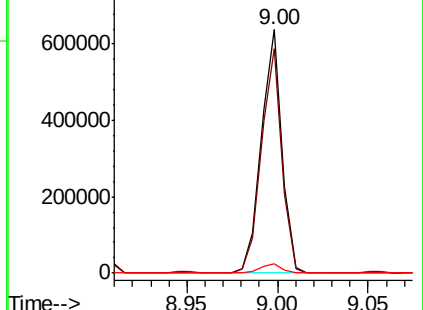
116 3.7 2.9 4.3

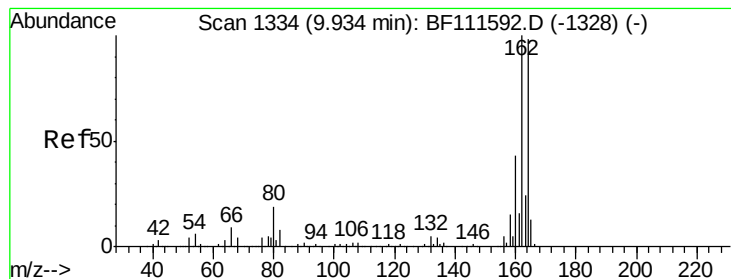


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.94 min Scan# 1335

Delta R.T. 0.01 min

Lab File: BF111693.D

Acq: 21 Dec 2018 17:56

Instrument :

BNA\_F

ClientSampleId :

P001-SS025-1218-01MSD

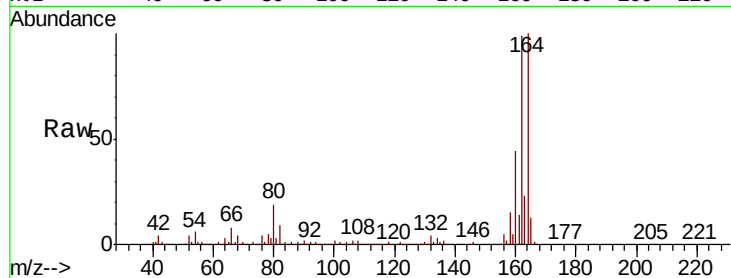
Tgt Ion:164 Resp: 273574

Ion Ratio Lower Upper

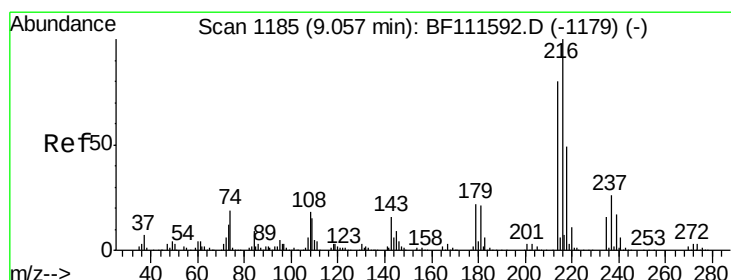
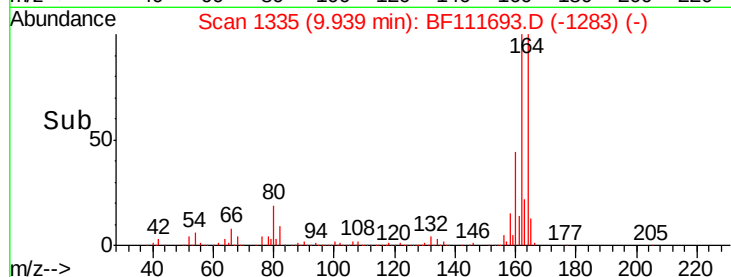
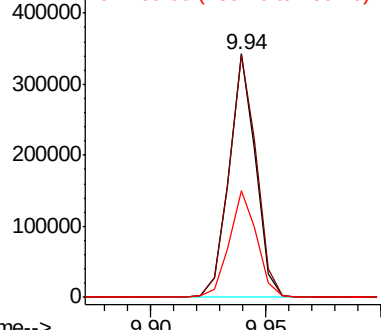
164 100

162 99.4 81.4 122.0

160 44.0 35.7 53.5



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



#40

1,2,4,5-Tetrachlorobenzene

Concen: 28.843 ng

RT: 9.06 min Scan# 1186

Delta R.T. 0.01 min

Lab File: BF111693.D

Acq: 21 Dec 2018 17:56

Tgt Ion:216 Resp: 259283

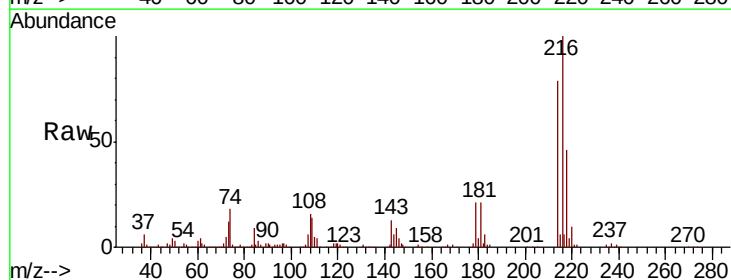
Ion Ratio Lower Upper

216 100

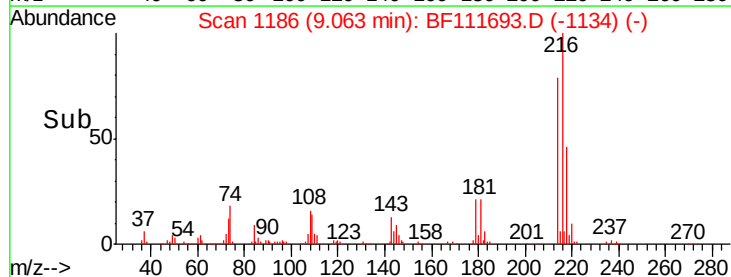
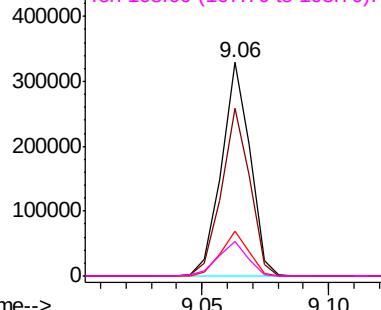
214 78.2 63.8 95.8

179 20.7 17.9 26.9

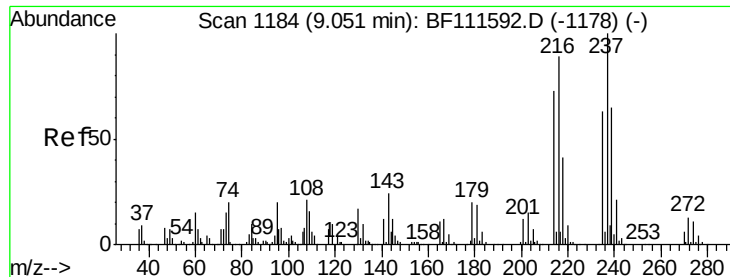
108 16.7 18.4 27.6#



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



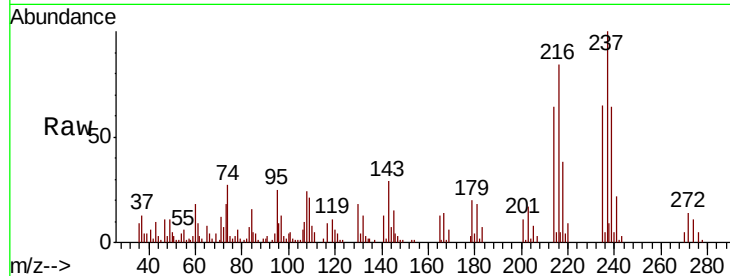




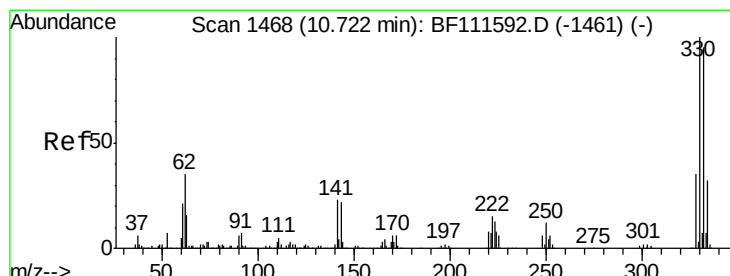
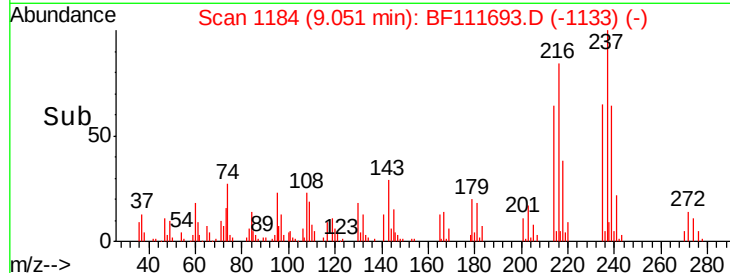
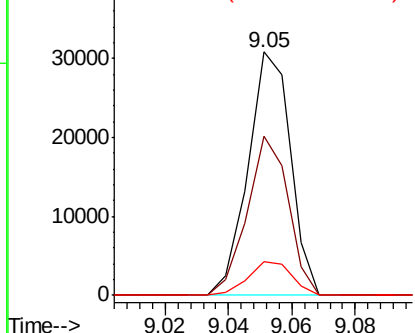
#41  
Hexachlorocyclopentadiene  
Concen: 6.549 ng  
RT: 9.05 min Scan# 1184  
Delta R.T. -0.00 min  
Lab File: BF111693.D  
Acq: 21 Dec 2018 17:56

Instrument :  
BNA\_F  
ClientSampleId :  
P001-SS025-1218-01MSD

Tgt Ion: 237 Resp: 28568  
Ion Ratio Lower Upper  
237 100  
235 65.2 43.1 83.1  
272 13.8 0.0 33.0

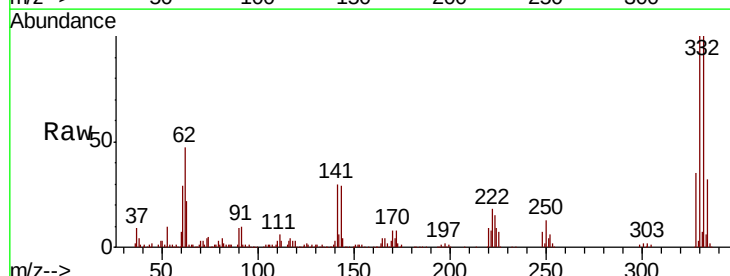


Abundance Ion 236.80 (236.50 to 237.50): E  
Ion 234.90 (234.60 to 235.60): E  
Ion 271.75 (271.45 to 272.45): E

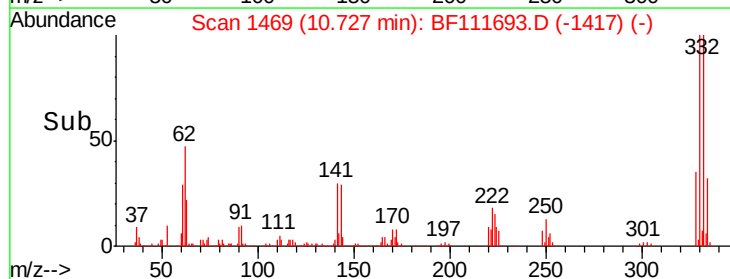
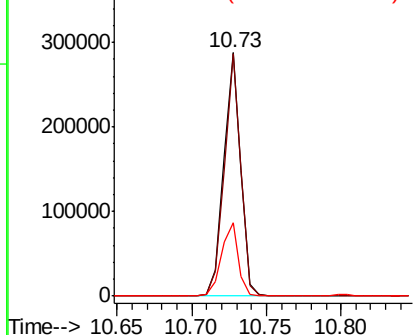


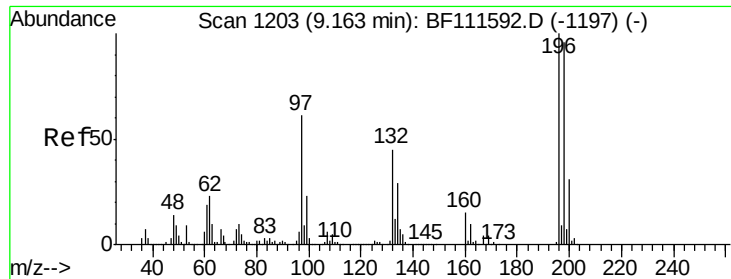
#42  
2,4,6-Tribromophenol  
Concen: 71.814 ng  
RT: 10.73 min Scan# 1469  
Delta R.T. 0.01 min  
Lab File: BF111693.D  
Acq: 21 Dec 2018 17:56

Tgt Ion: 330 Resp: 232137  
Ion Ratio Lower Upper  
330 100  
332 97.2 76.0 114.0  
141 29.6 31.0 46.6#



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

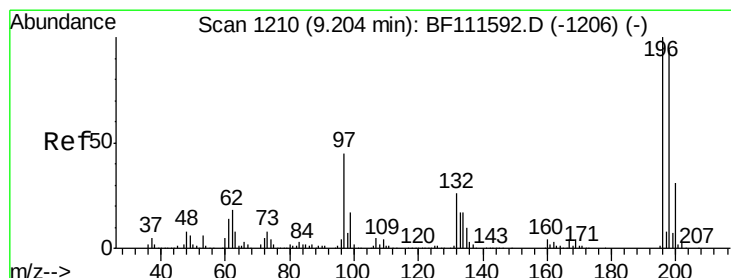
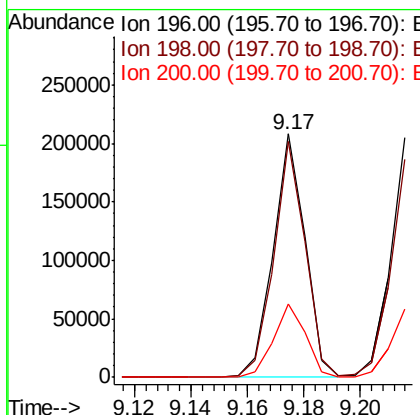
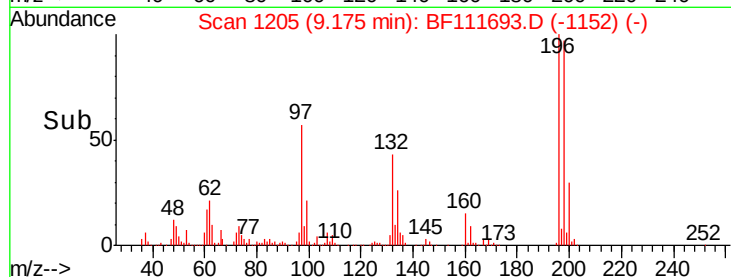
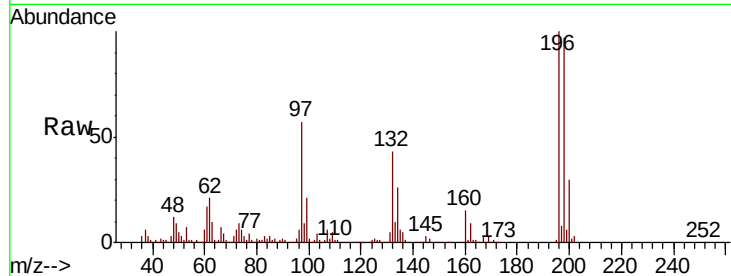




#43  
 2,4,6-Trichlorophenol  
 Concen: 27.152 ng  
 RT: 9.17 min Scan# 1205  
 Delta R.T. 0.01 min  
 Lab File: BF111693.D  
 Acq: 21 Dec 2018 17:56

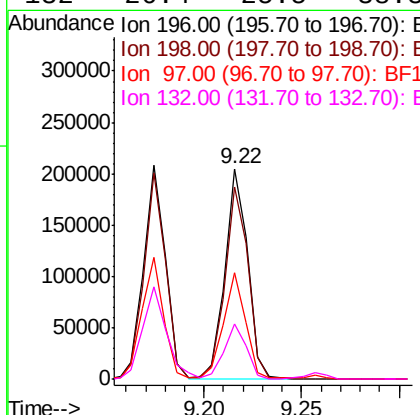
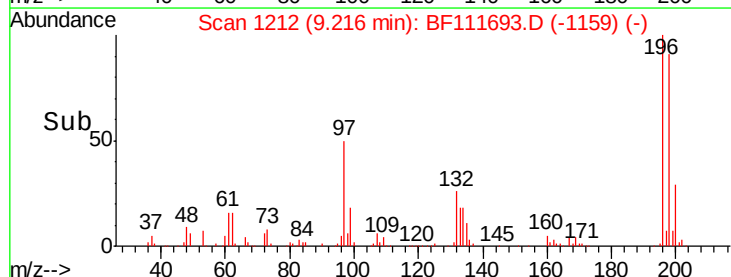
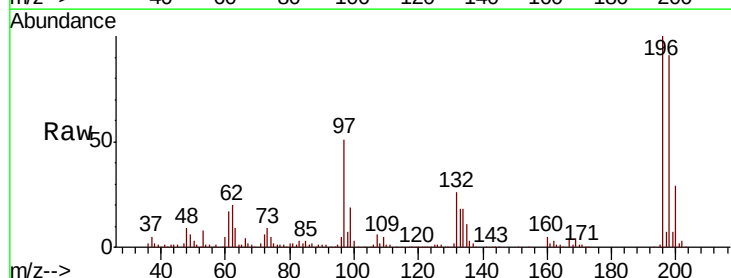
Instrument :  
 BNA\_F  
 ClientSampleId :  
 P001-SS025-1218-01MSD

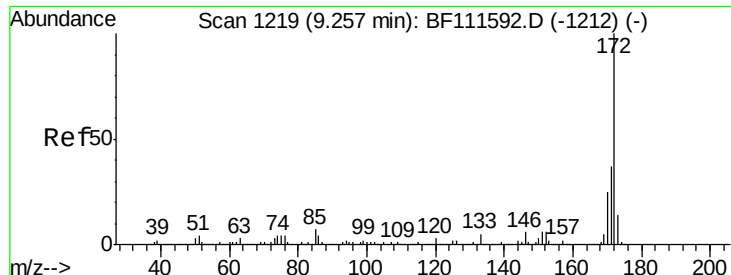
Tgt Ion:196 Resp: 162962  
 Ion Ratio Lower Upper  
 196 100  
 198 96.6 76.3 114.5  
 200 30.1 24.9 37.3



#44  
 2,4,5-Trichlorophenol  
 Concen: 26.805 ng  
 RT: 9.22 min Scan# 1212  
 Delta R.T. 0.01 min  
 Lab File: BF111693.D  
 Acq: 21 Dec 2018 17:56

Tgt Ion:196 Resp: 165048  
 Ion Ratio Lower Upper  
 196 100  
 198 91.3 72.9 109.3  
 97 50.8 45.3 67.9  
 132 26.4 25.5 38.3

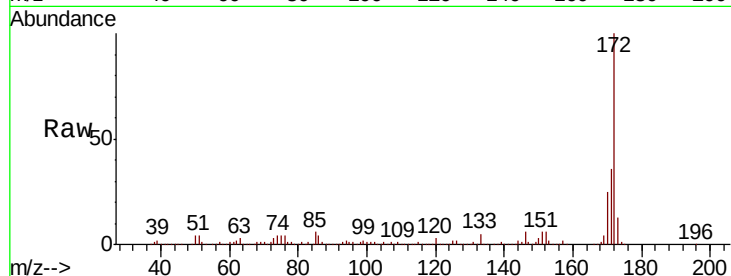




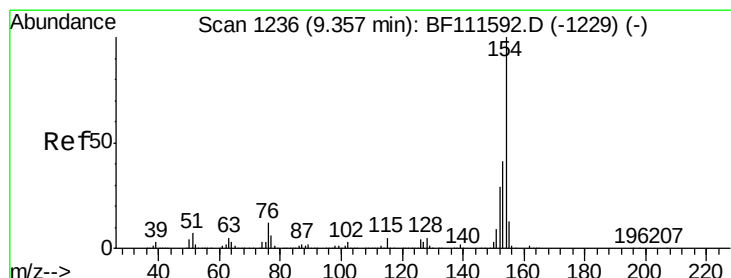
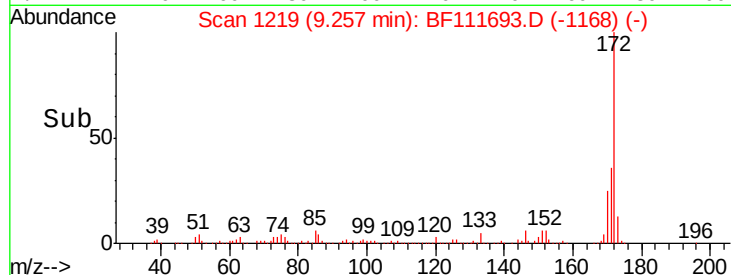
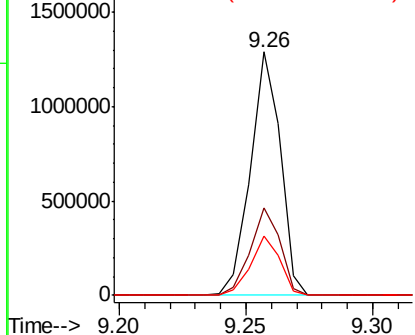
#45  
 2-Fluorobiphenyl  
 Concen: 56.785 ng  
 RT: 9.26 min Scan# 1219  
 Delta R.T. -0.00 min  
 Lab File: BF111693.D  
 Acq: 21 Dec 2018 17:56

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P001-SS025-1218-01MSD

Tgt Ion:172 Resp: 1065805  
 Ion Ratio Lower Upper  
 172 100  
 171 36.1 33.0 49.4  
 170 24.5 22.3 33.5

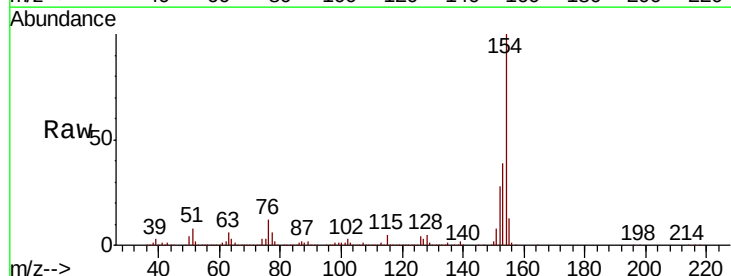


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

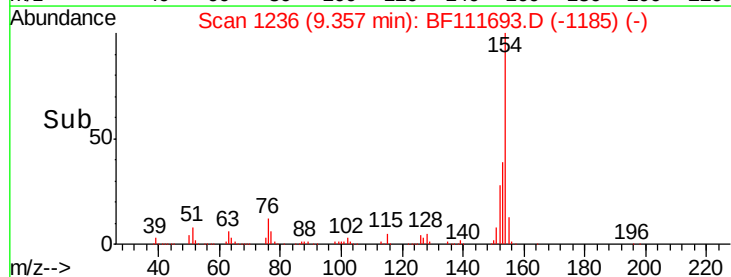
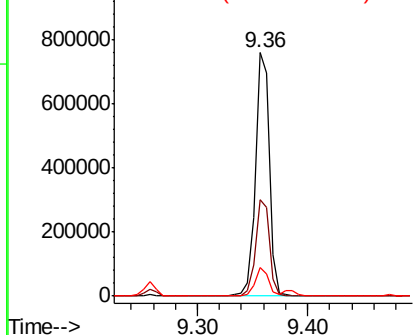


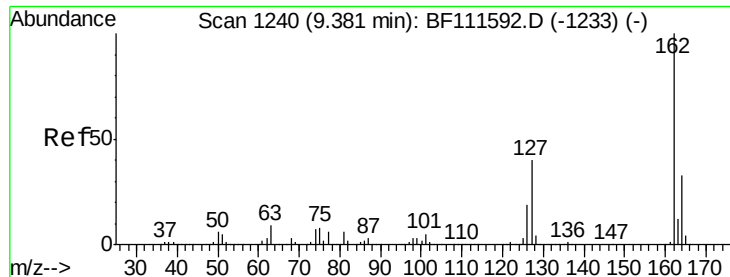
#46  
 1,1'-Biphenyl  
 Concen: 29.074 ng  
 RT: 9.36 min Scan# 1236  
 Delta R.T. -0.00 min  
 Lab File: BF111693.D  
 Acq: 21 Dec 2018 17:56

Tgt Ion:154 Resp: 671432  
 Ion Ratio Lower Upper  
 154 100  
 153 39.4 23.7 63.7  
 76 11.8 0.0 35.0



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

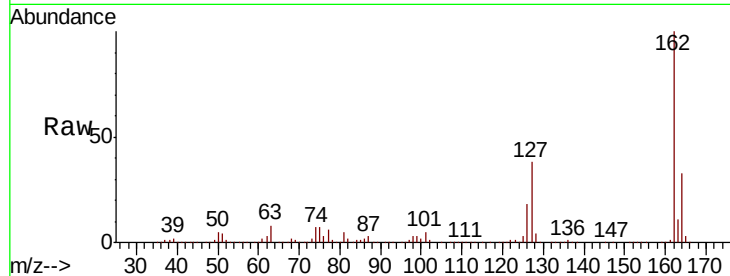




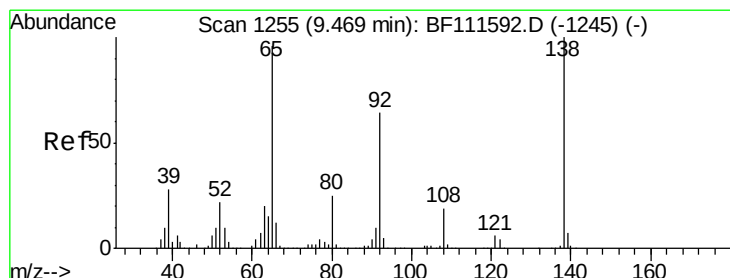
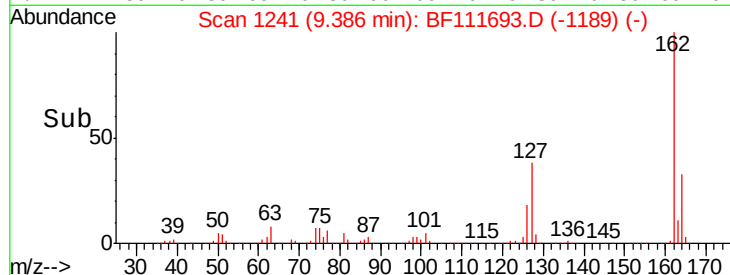
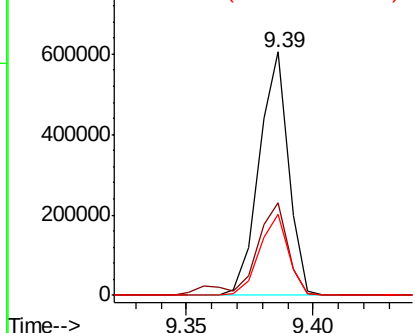
#47  
 2-Chloronaphthalene  
 Concen: 26.804 ng  
 RT: 9.39 min Scan# 1241  
 Delta R.T. 0.01 min  
 Lab File: BF111693.D  
 Acq: 21 Dec 2018 17:56

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P001-SS025-1218-01MSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 162   | Resp: | 490425 |
| Ion      | Ratio | Lower | Upper  |
| 162      | 100   |       |        |
| 127      | 37.8  | 35.0  | 52.4   |
| 164      | 33.3  | 28.4  | 42.6   |

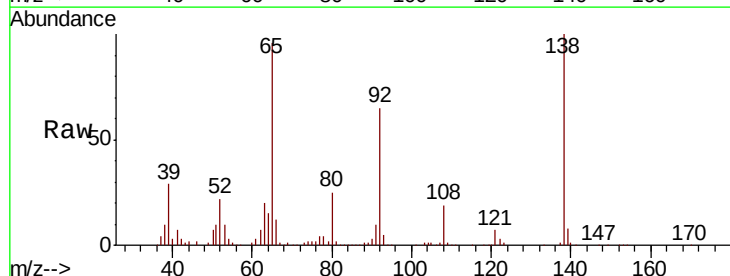


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 127.00 (126.70 to 127.70): E  
 Ion 164.00 (163.70 to 164.70): E

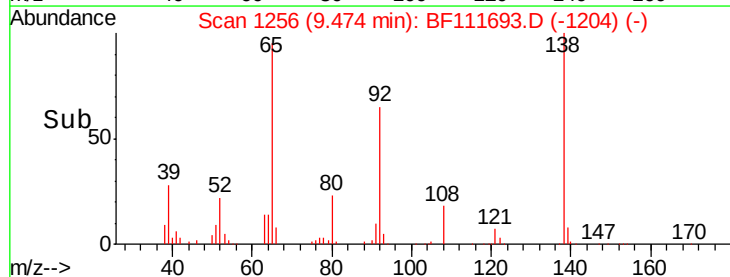
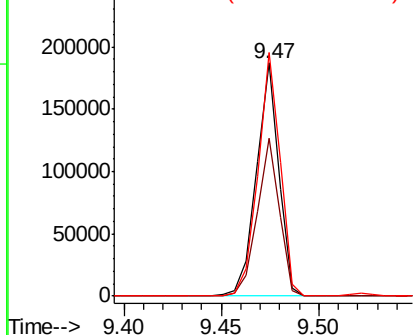


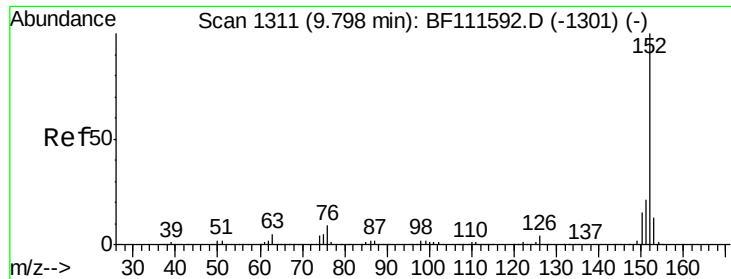
#48  
 2-Nitroaniline  
 Concen: 31.387 ng  
 RT: 9.47 min Scan# 1256  
 Delta R.T. 0.01 min  
 Lab File: BF111693.D  
 Acq: 21 Dec 2018 17:56

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 149403 |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 92       | 67.7  | 53.5  | 80.3   |
| 138      | 104.3 | 80.9  | 121.3  |



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





#49

Acenaphthylene

Concen: 27.492 ng

RT: 9.80 min Scan# 1311

Delta R.T. -0.00 min

Lab File: BF111693.D

Acq: 21 Dec 2018 17:56

Instrument :

BNA\_F

ClientSampleId :

P001-SS025-1218-01MSD

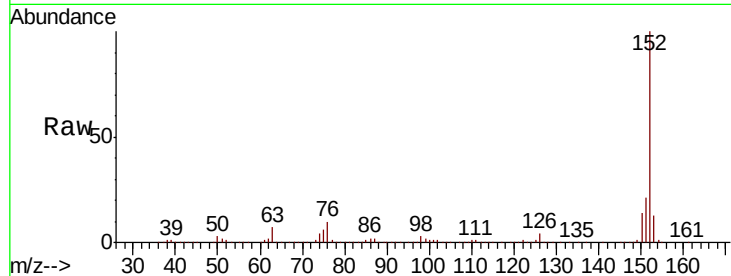
Tgt Ion:152 Resp: 734452

Ion Ratio Lower Upper

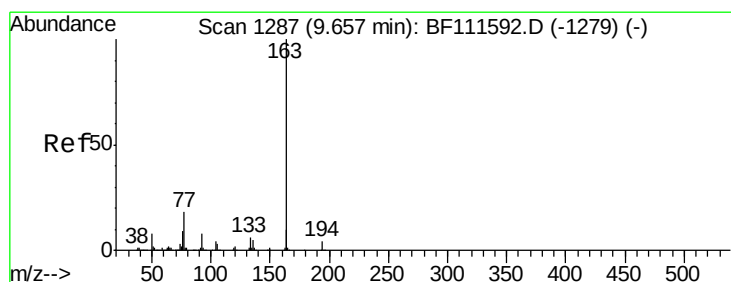
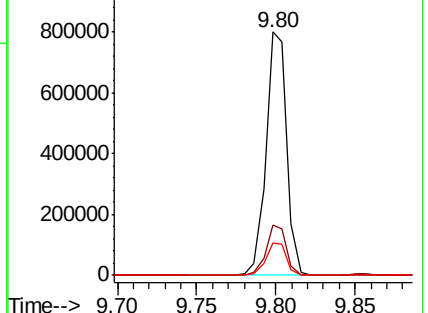
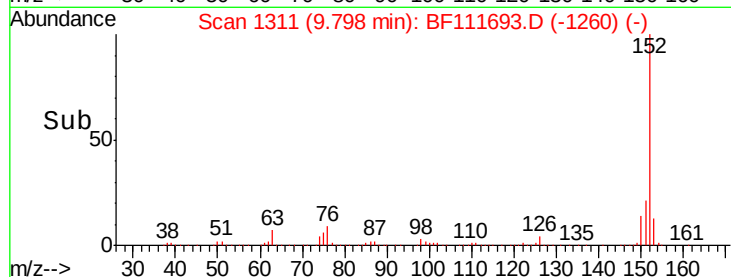
152 100

151 20.6 18.0 27.0

153 13.5 12.3 18.5



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



#50

Dimethylphthalate

Concen: 32.329 ng

RT: 9.66 min Scan# 1287

Delta R.T. -0.00 min

Lab File: BF111693.D

Acq: 21 Dec 2018 17:56

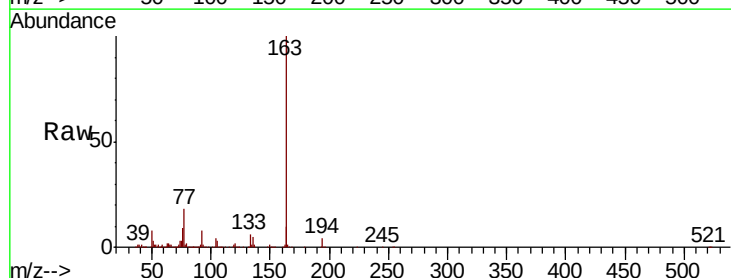
Tgt Ion:163 Resp: 646772

Ion Ratio Lower Upper

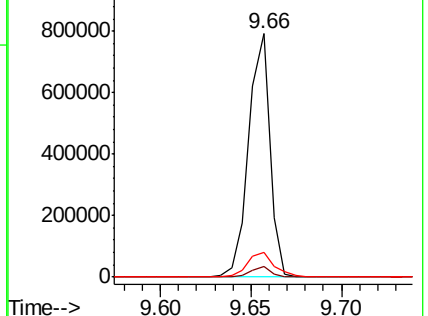
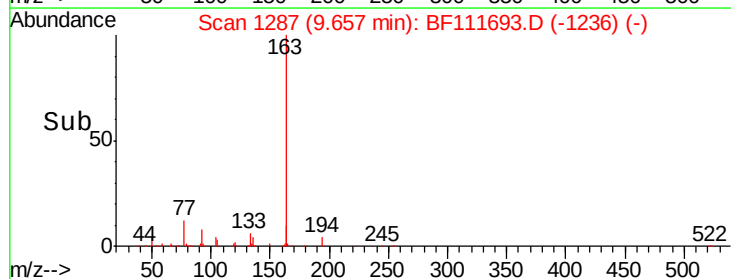
163 100

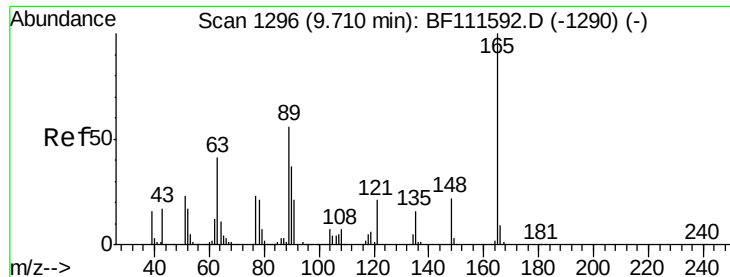
194 4.3 3.0 4.6

164 10.2 8.9 13.3



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

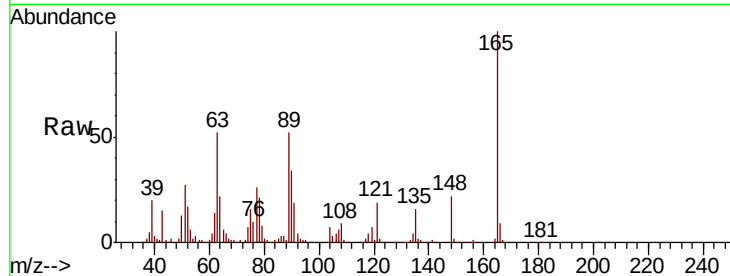




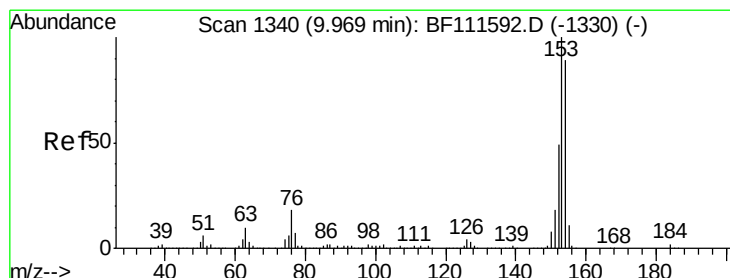
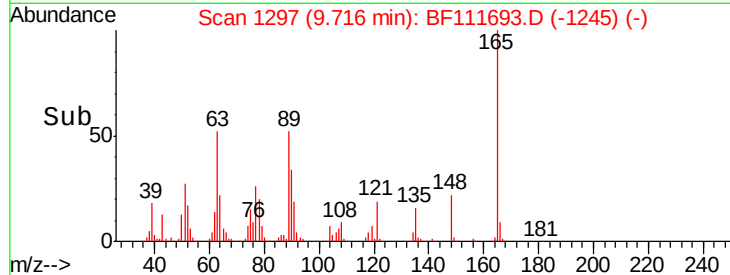
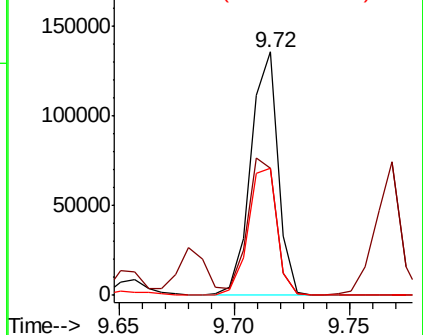
#51  
 2,6-Dinitrotoluene  
 Concen: 28.425 ng  
 RT: 9.72 min Scan# 1297  
 Delta R.T. 0.01 min  
 Lab File: BF111693.D  
 Acq: 21 Dec 2018 17:56

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P001-SS025-1218-01MSD

Tgt Ion:165 Resp: 113390  
 Ion Ratio Lower Upper  
 165 100  
 63 52.2 40.5 60.7  
 89 52.4 40.0 60.0

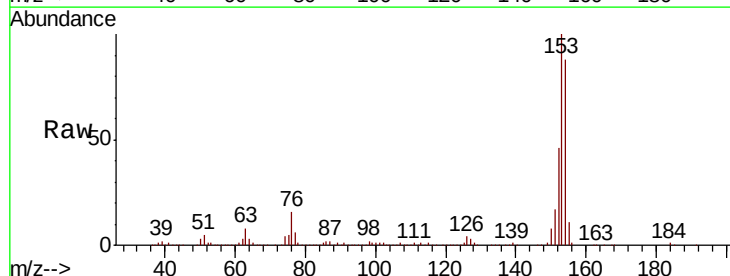


Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF1  
 Ion 89.00 (88.70 to 89.70): BF1

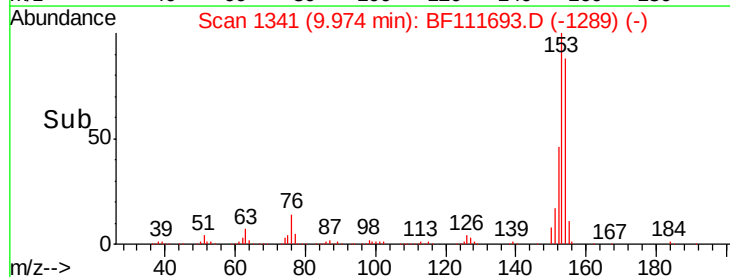
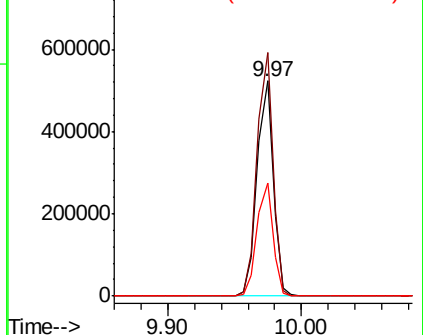


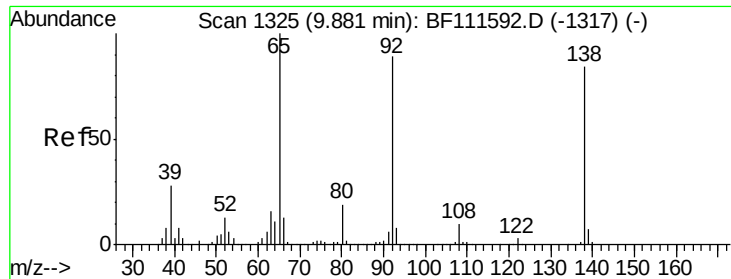
#52  
 Acenaphthene  
 Concen: 26.339 ng  
 RT: 9.97 min Scan# 1341  
 Delta R.T. 0.01 min  
 Lab File: BF111693.D  
 Acq: 21 Dec 2018 17:56

Tgt Ion:154 Resp: 433975  
 Ion Ratio Lower Upper  
 154 100  
 153 113.3 87.8 131.8  
 152 52.4 43.4 65.2



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

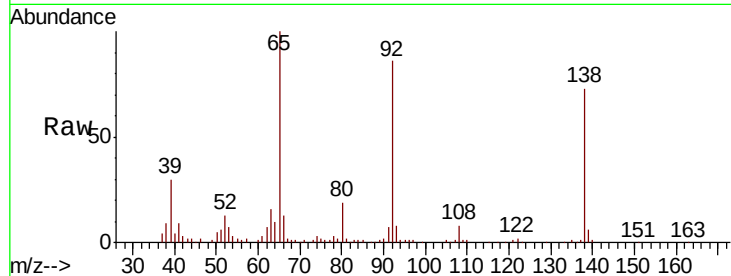




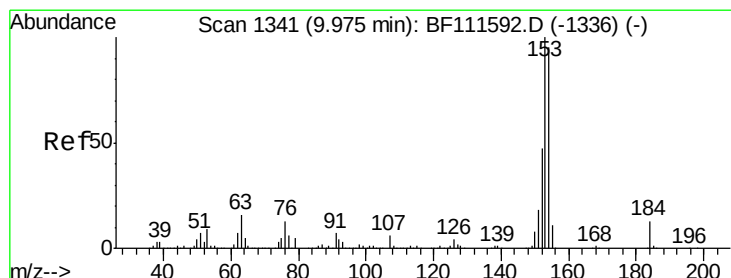
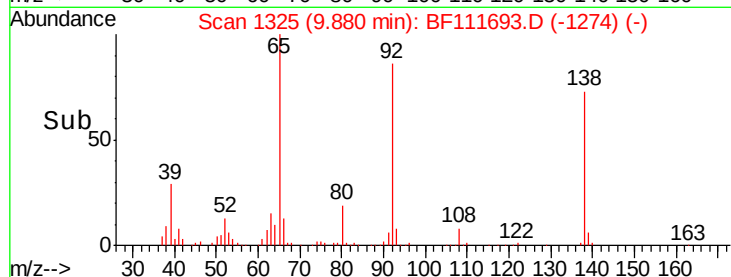
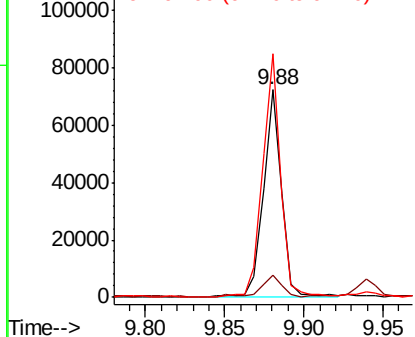
#53  
3-Nitroaniline  
Concen: 13.843 ng  
RT: 9.88 min Scan# 1325  
Delta R.T. -0.00 min  
Lab File: BF111693.D  
Acq: 21 Dec 2018 17:56

Instrument :  
BNA\_F  
ClientSampleId :  
P001-SS025-1218-01MSD

Tgt Ion:138 Resp: 58892  
Ion Ratio Lower Upper  
138 100  
108 10.9 8.2 12.4  
92 117.3 93.4 140.2

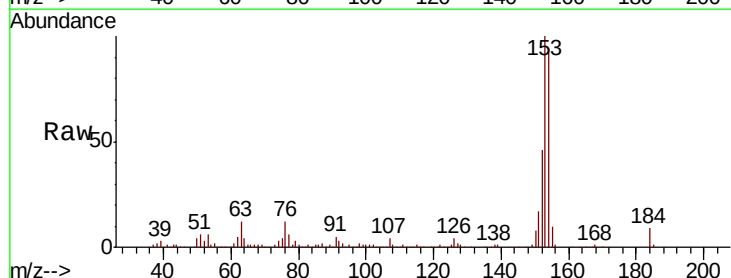


Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 92.00 (91.70 to 92.70): BF1

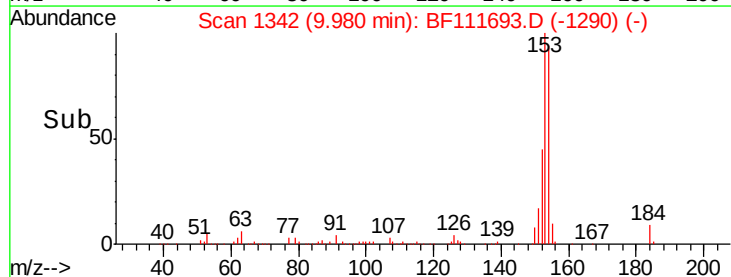
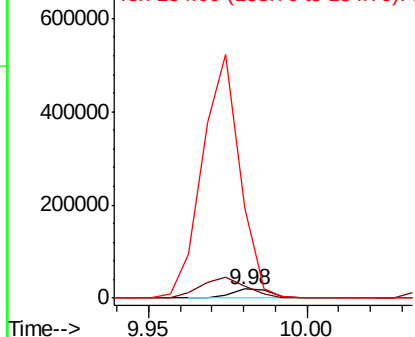


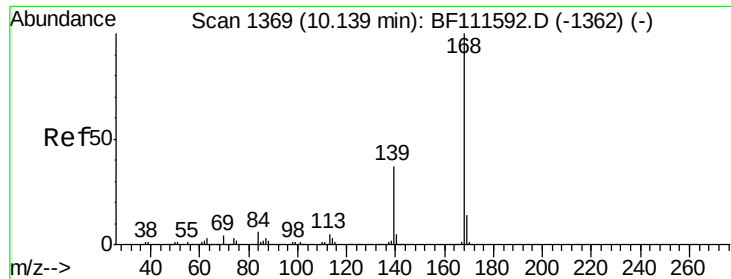
#54  
2,4-Dinitrophenol  
Concen: 18.578 ng  
RT: 9.98 min Scan# 1342  
Delta R.T. 0.01 min  
Lab File: BF111693.D  
Acq: 21 Dec 2018 17:56

Tgt Ion:184 Resp: 15879  
Ion Ratio Lower Upper  
184 100  
63 130.2 62.3 93.5#  
154 1018.1 56.2 84.2#



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

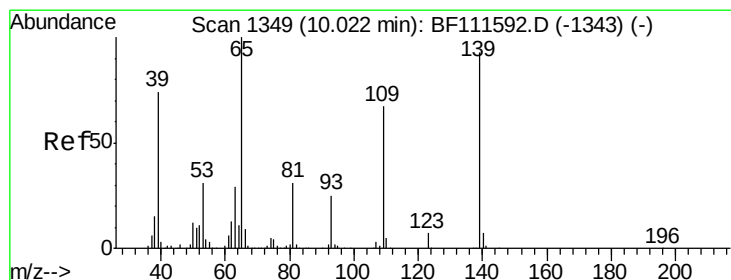
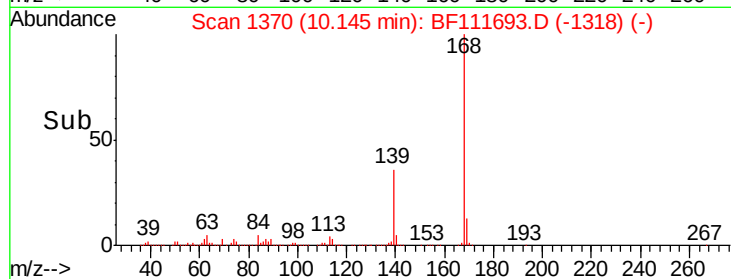
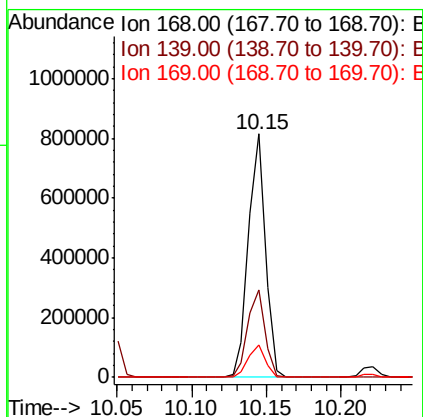
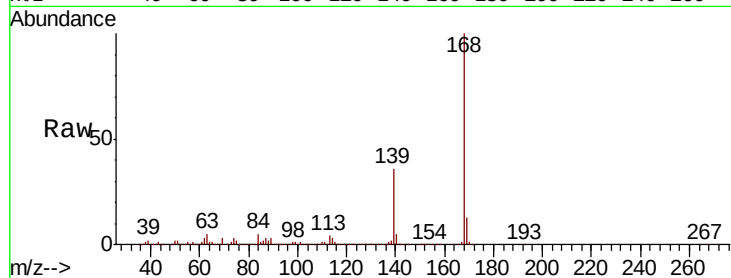




#55  
Dibenzofuran  
Concen: 25.903 ng  
RT: 10.15 min Scan# 1370  
Delta R.T. 0.01 min  
Lab File: BF111693.D  
Acq: 21 Dec 2018 17:56

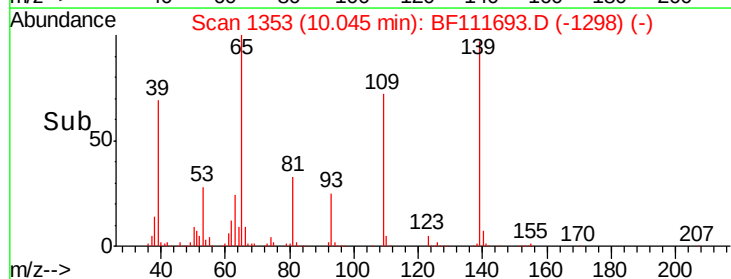
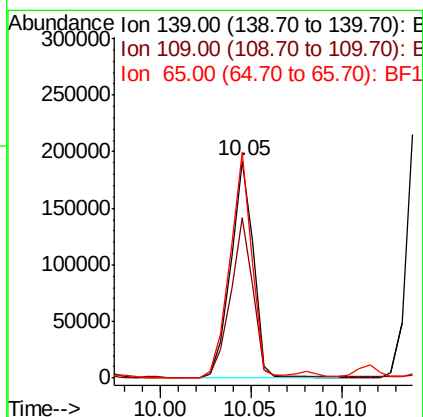
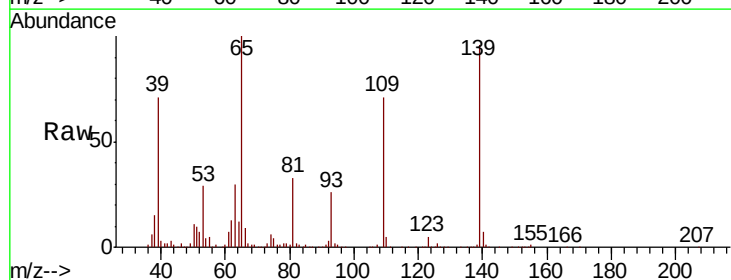
Instrument :  
BNA\_F  
ClientSampleId :  
P001-SS025-1218-01MSD

Tgt Ion:168 Resp: 644791  
Ion Ratio Lower Upper  
168 100  
139 36.2 32.6 49.0  
169 13.1 11.8 17.6

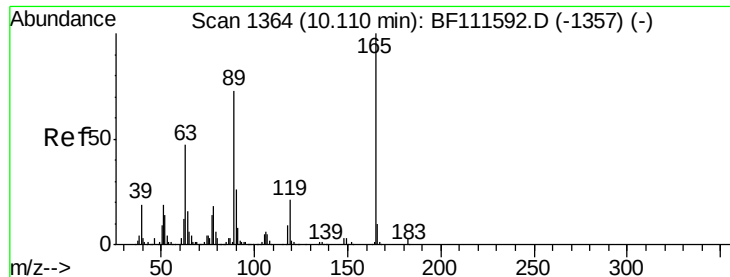


#56  
4-Nitrophenol  
Concen: 51.475 ng  
RT: 10.05 min Scan# 1353  
Delta R.T. 0.02 min  
Lab File: BF111693.D  
Acq: 21 Dec 2018 17:56

Tgt Ion:139 Resp: 167127  
Ion Ratio Lower Upper  
139 100  
109 74.2 41.8 81.8  
65 104.0 79.6 119.6



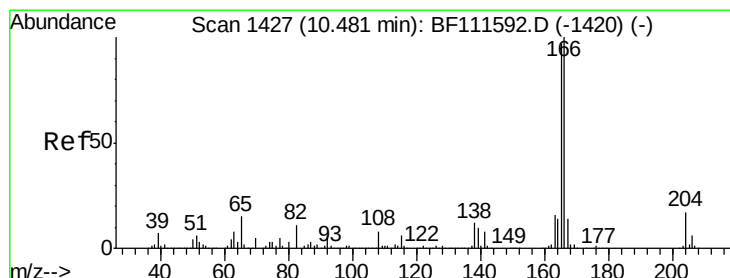
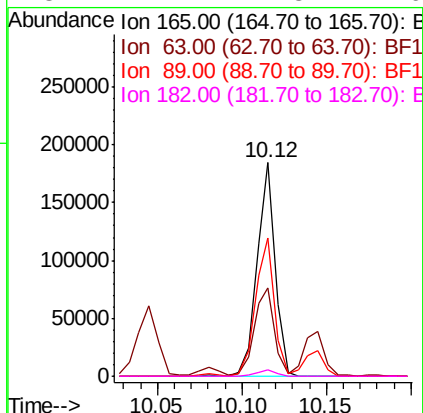
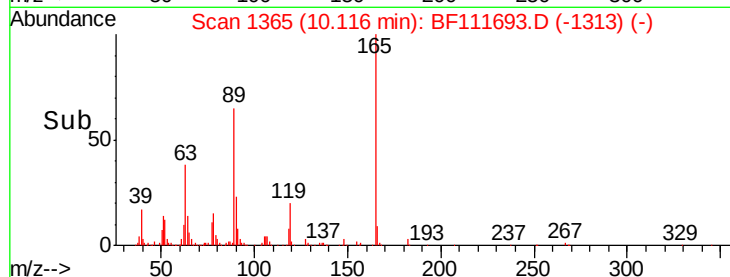
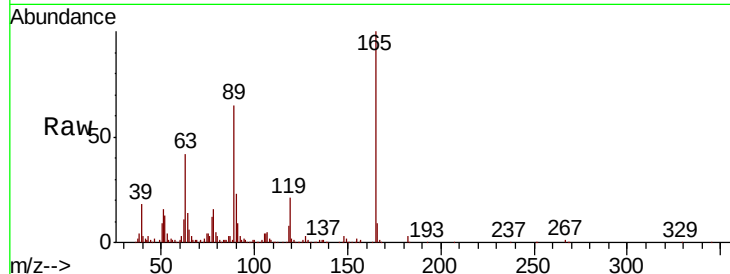




#57  
2,4-Dinitrotoluene  
Concen: 29.203 ng  
RT: 10.12 min Scan# 1365  
Delta R.T. 0.01 min  
Lab File: BF111693.D  
Acq: 21 Dec 2018 17:56

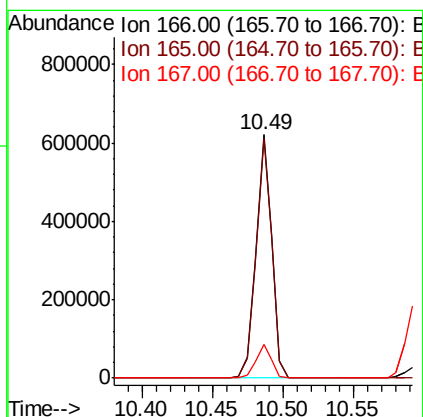
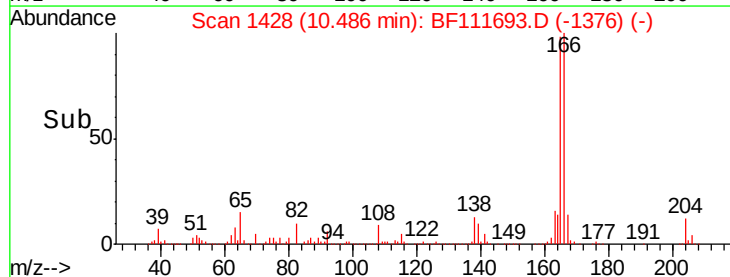
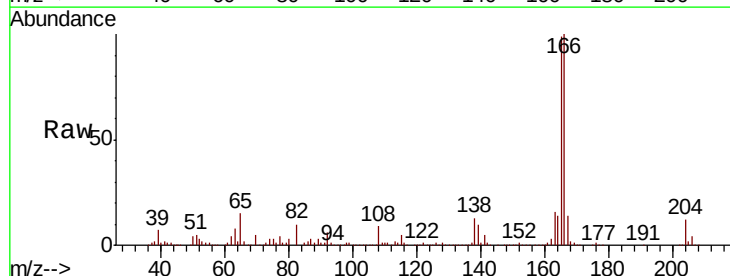
Instrument :  
BNA\_F  
ClientSampleId :  
P001-SS025-1218-01MSD

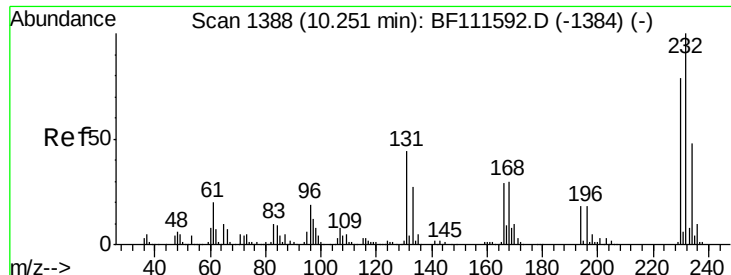
Tgt Ion:165 Resp: 140012  
Ion Ratio Lower Upper  
165 100  
63 41.6 34.6 52.0  
89 64.8 56.2 84.4  
182 2.7 1.8 2.6#



#58  
Fluorene  
Concen: 27.215 ng  
RT: 10.49 min Scan# 1428  
Delta R.T. 0.01 min  
Lab File: BF111693.D  
Acq: 21 Dec 2018 17:56

Tgt Ion:166 Resp: 488159  
Ion Ratio Lower Upper  
166 100  
165 98.5 78.4 117.6  
167 13.8 11.2 16.8

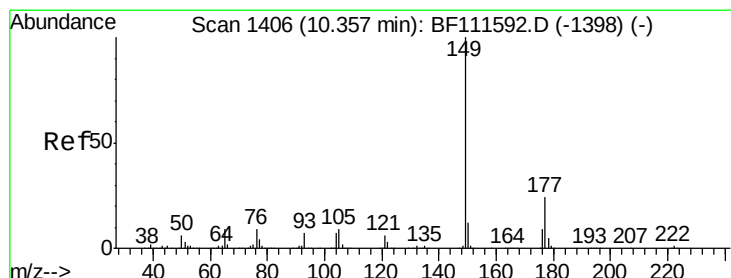
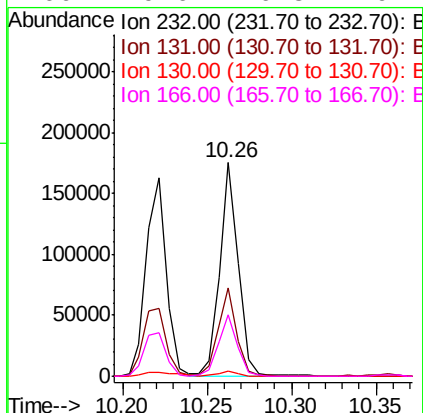
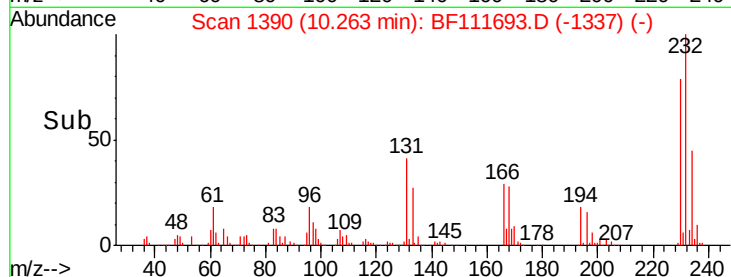
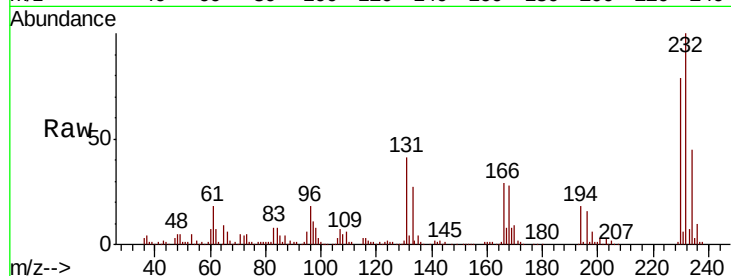




#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 26.234 ng  
 RT: 10.26 min Scan# 1390  
 Delta R.T. 0.01 min  
 Lab File: BF111693.D  
 Acq: 21 Dec 2018 17:56

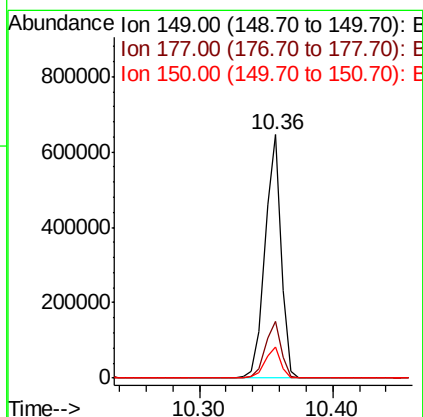
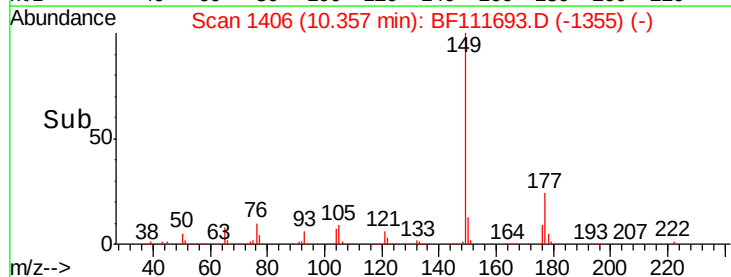
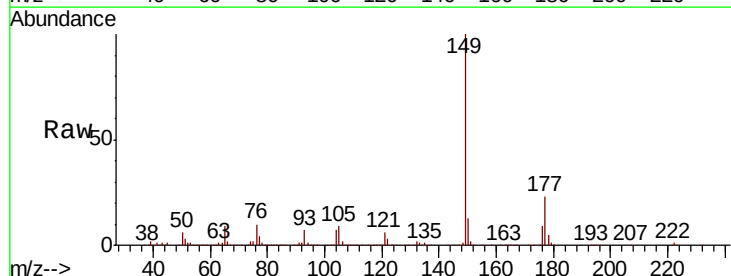
Instrument :  
 BNA\_F  
 ClientSampleId :  
 P001-SS025-1218-01MSD

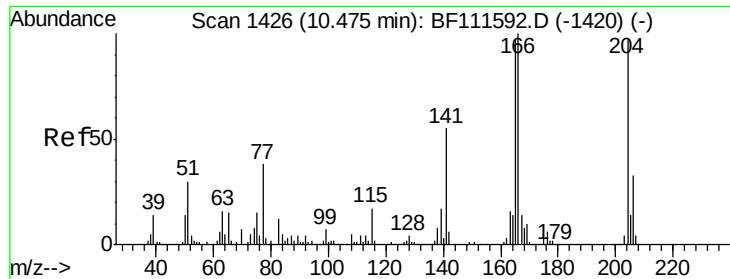
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 40.2  | 40.9  | 61.3# |
| 130     | 2.4   | 2.0   | 3.0   |
| 166     | 29.6  | 26.8  | 40.2  |



#60  
 Diethylphthalate  
 Concen: 26.990 ng  
 RT: 10.36 min Scan# 1406  
 Delta R.T. -0.00 min  
 Lab File: BF111693.D  
 Acq: 21 Dec 2018 17:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 23.5  | 18.3  | 27.5  |
| 150     | 12.6  | 10.6  | 15.8  |

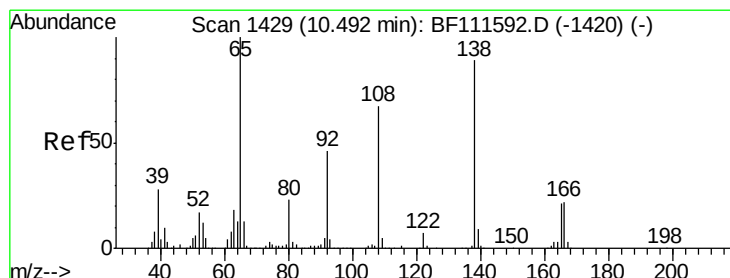
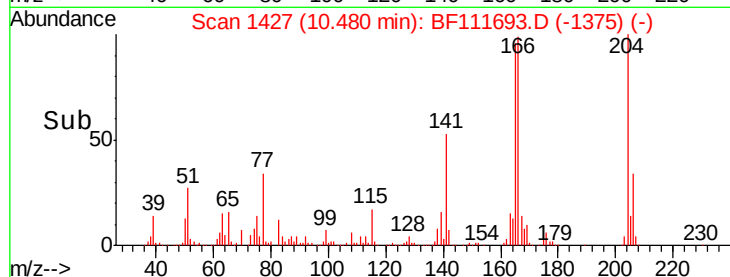
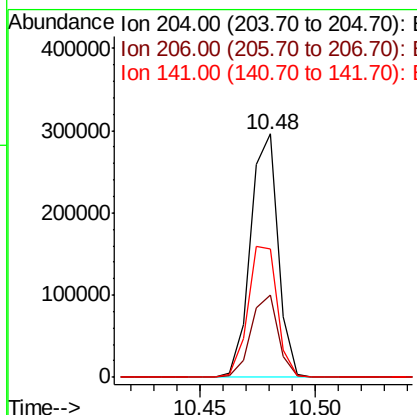
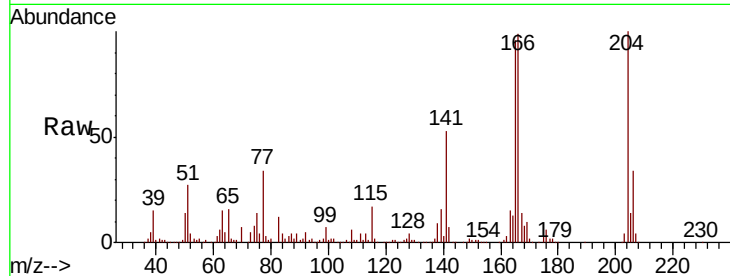




#61  
 4-Chlorophenyl-phenylether  
 Concen: 25.034 ng  
 RT: 10.48 min Scan# 1427  
 Delta R.T. 0.01 min  
 Lab File: BF111693.D  
 Acq: 21 Dec 2018 17:56

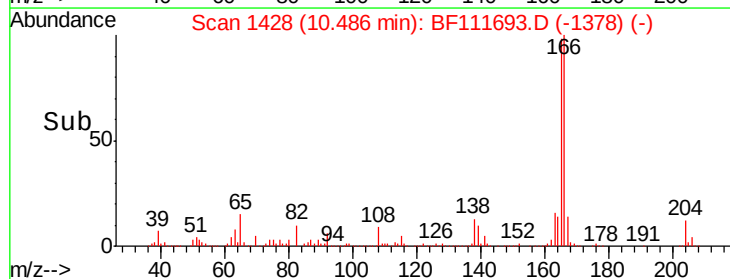
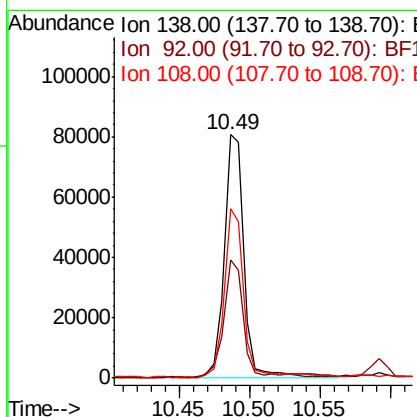
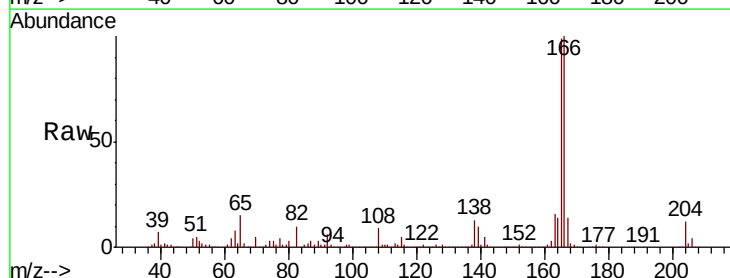
Instrument :  
 BNA\_F  
 ClientSampleId :  
 P001-SS025-1218-01MSD

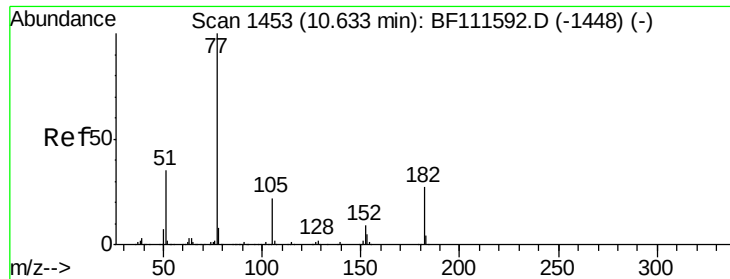
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 204   | Resp: | 248095 |
| Ion Ratio | Lower | Upper |        |
| 204       | 100   |       |        |
| 206       | 33.6  | 26.6  | 39.8   |
| 141       | 52.7  | 52.6  | 78.8   |



#62  
 4-Nitroaniline  
 Concen: 19.346 ng  
 RT: 10.49 min Scan# 1428  
 Delta R.T. -0.01 min  
 Lab File: BF111693.D  
 Acq: 21 Dec 2018 17:56

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 138   | Resp: | 79994 |
| Ion Ratio | Lower | Upper |       |
| 138       | 100   |       |       |
| 92        | 48.6  | 29.9  | 69.9  |
| 108       | 69.4  | 43.2  | 83.2  |





#63

Azobenzene

Concen: 23.211 ng

RT: 10.64 min Scan# 1454

Delta R.T. 0.01 min

Lab File: BF111693.D

Acq: 21 Dec 2018 17:56

Instrument :

BNA\_F

ClientSampleId :

P001-SS025-1218-01MSD

Tgt Ion: 77 Resp: 457280

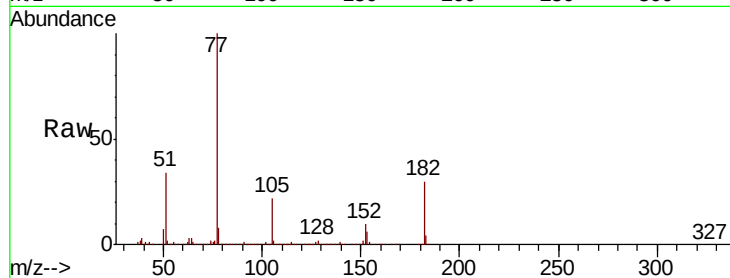
Ion Ratio Lower Upper

77 100

182 29.5 4.9 44.9

105 22.0 6.0 46.0

51 34.1 14.7 54.7

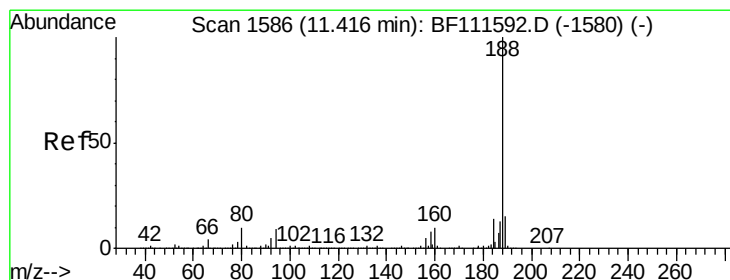
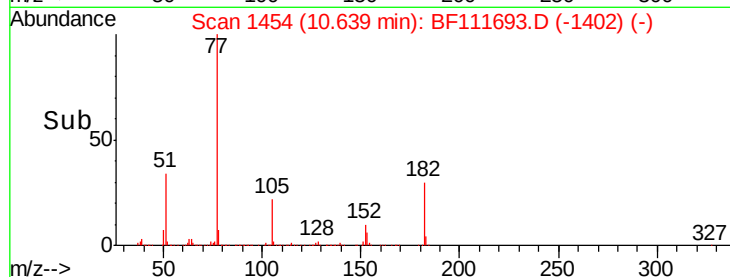
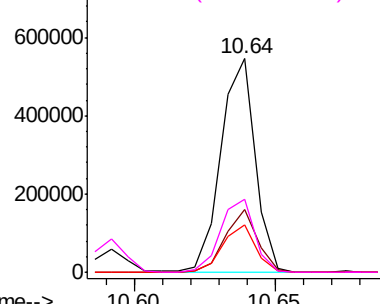


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.43 min Scan# 1588

Delta R.T. 0.01 min

Lab File: BF111693.D

Acq: 21 Dec 2018 17:56

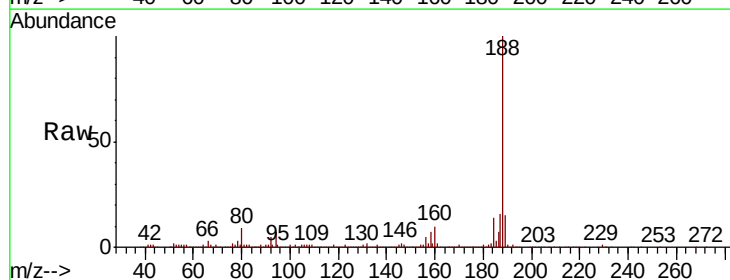
Tgt Ion: 188 Resp: 448597

Ion Ratio Lower Upper

188 100

94 7.4 9.6 14.4#

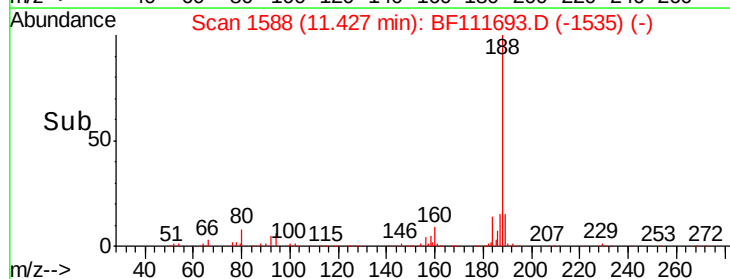
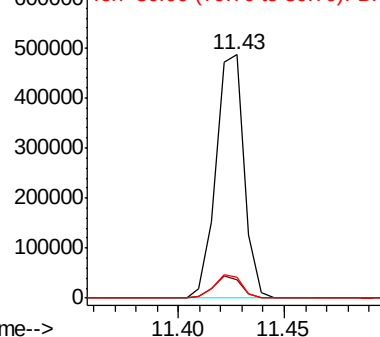
80 8.5 9.8 14.6#

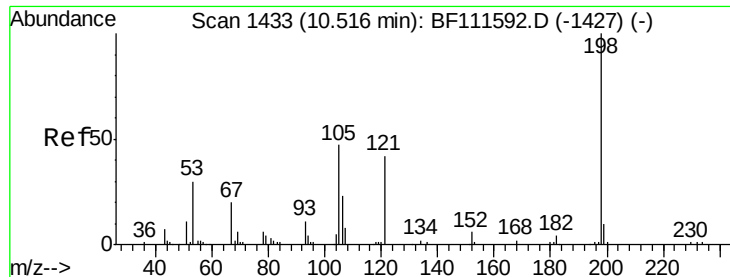


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

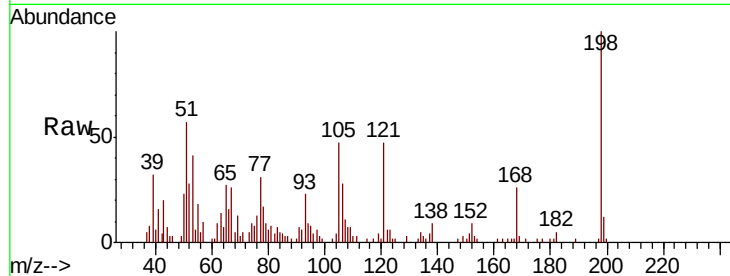




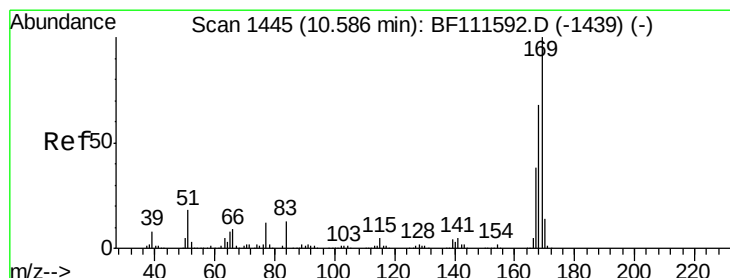
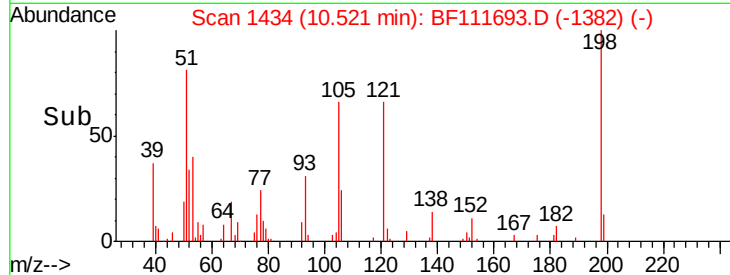
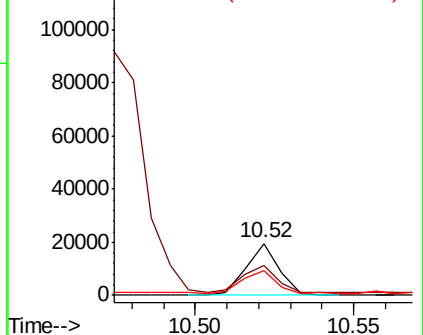
#65  
4,6-Dinitro-2-methylphenol  
Concen: 13.215 ng  
RT: 10.52 min Scan# 1434  
Delta R.T. 0.01 min  
Lab File: BF111693.D  
Acq: 21 Dec 2018 17:56

Instrument :  
BNA\_F  
ClientSampleId :  
P001-SS025-1218-01MSD

Tgt Ion:198 Resp: 14052  
Ion Ratio Lower Upper  
198 100  
51 57.0 48.0 88.0  
105 47.0 34.0 74.0

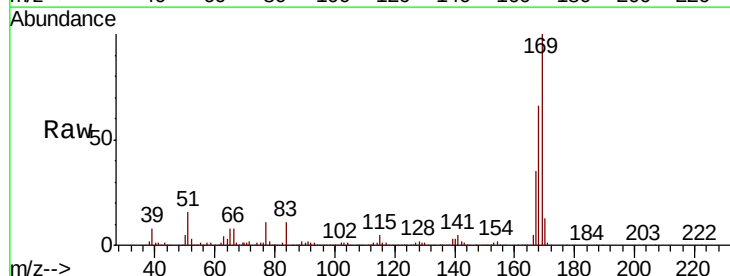


Abundance Ion 198.00 (197.70 to 198.70): E  
Ion 51.00 (50.70 to 51.70): BF1  
Ion 105.00 (104.70 to 105.70): E

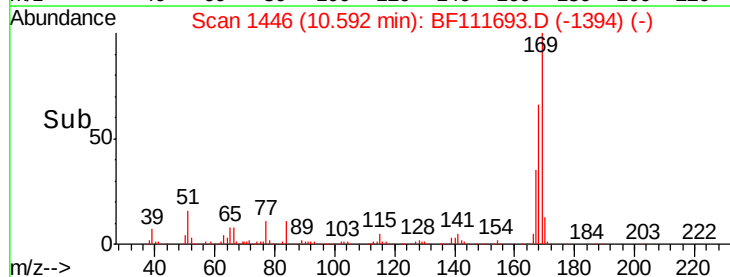
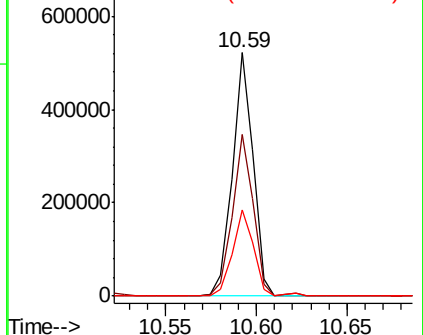


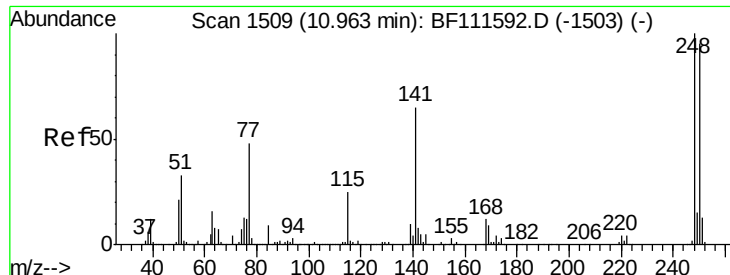
#66  
n-Nitrosodiphenylamine  
Concen: 27.603 ng  
RT: 10.59 min Scan# 1446  
Delta R.T. 0.01 min  
Lab File: BF111693.D  
Acq: 21 Dec 2018 17:56

Tgt Ion:169 Resp: 415667  
Ion Ratio Lower Upper  
169 100  
168 66.3 54.4 81.6  
167 35.3 30.5 45.7



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

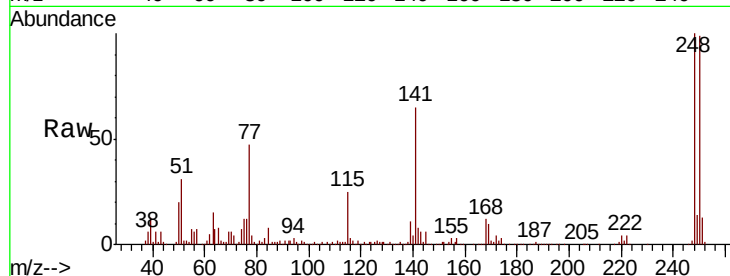




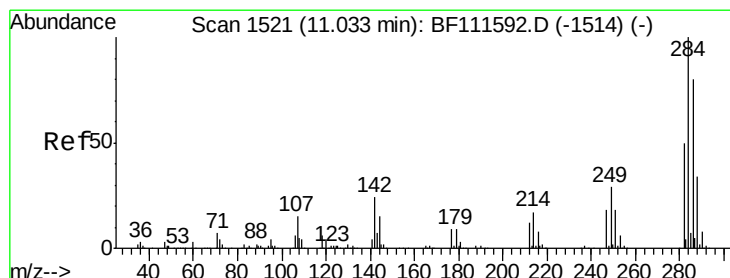
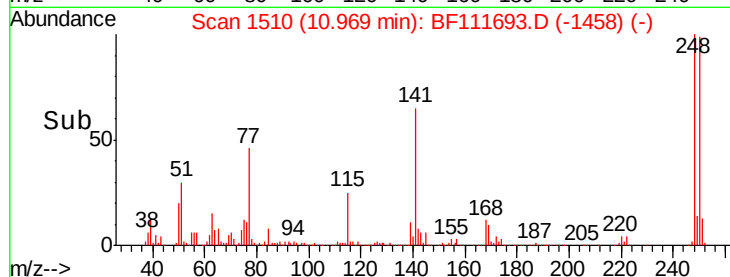
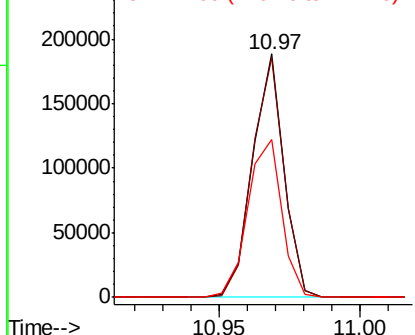
#67  
4-Bromophenyl-phenylether  
Concen: 26.102 ng  
RT: 10.97 min Scan# 1510  
Delta R.T. 0.01 min  
Lab File: BF111693.D  
Acq: 21 Dec 2018 17:56

Instrument :  
BNA\_F  
ClientSampleId :  
P001-SS025-1218-01MSD

Tgt Ion:248 Resp: 145232  
Ion Ratio Lower Upper  
248 100  
250 98.6 77.0 115.4  
141 64.9 63.0 94.6

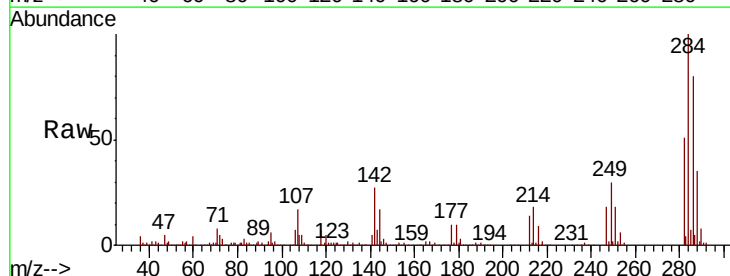


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

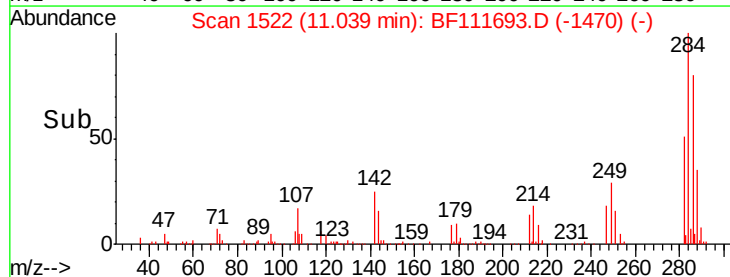
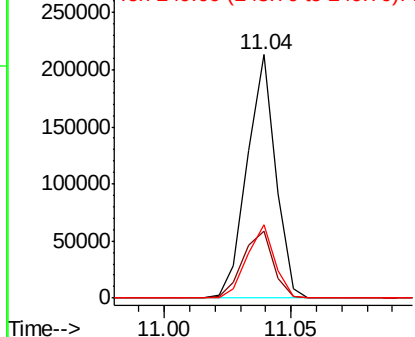


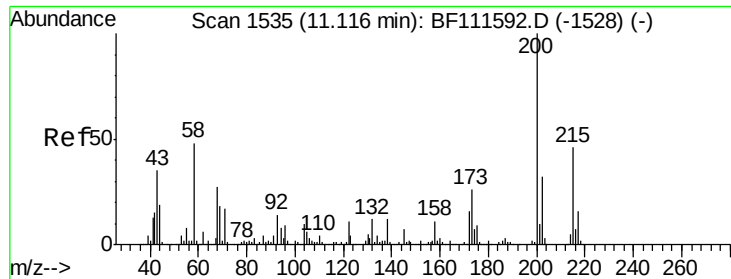
#68  
Hexachlorobenzene  
Concen: 26.911 ng  
RT: 11.04 min Scan# 1522  
Delta R.T. 0.01 min  
Lab File: BF111693.D  
Acq: 21 Dec 2018 17:56

Tgt Ion:284 Resp: 166952  
Ion Ratio Lower Upper  
284 100  
142 27.4 27.4 41.2#  
249 29.9 24.4 36.6



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





#69

Atrazine

Concen: 27.175 ng

RT: 11.12 min Scan# 1536

Delta R.T. 0.01 min

Lab File: BF111693.D

Acq: 21 Dec 2018 17:56

Instrument :

BNA\_F

ClientSampleId :

P001-SS025-1218-01MSD

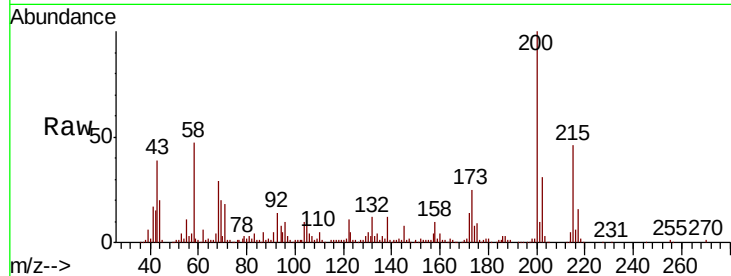
Tgt Ion:200 Resp: 142165

Ion Ratio Lower Upper

200 100

173 25.2 10.1 50.1

215 46.3 26.9 66.9

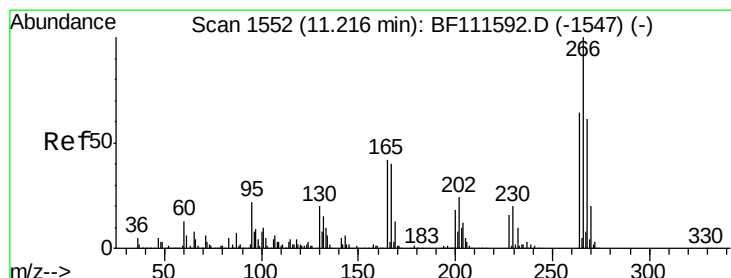
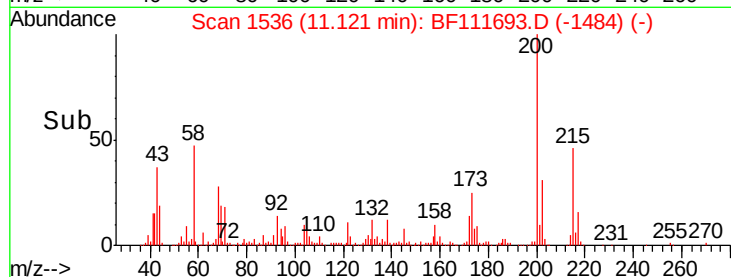
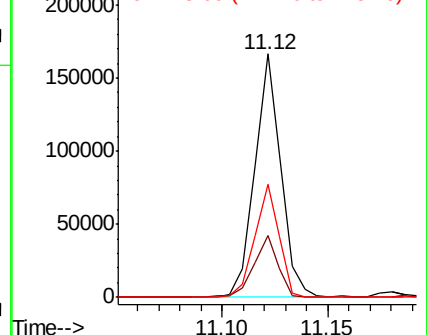


Abundance

Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Pentachlorophenol

Concen: 43.036 ng

RT: 11.23 min Scan# 1555

Delta R.T. 0.02 min

Lab File: BF111693.D

Acq: 21 Dec 2018 17:56

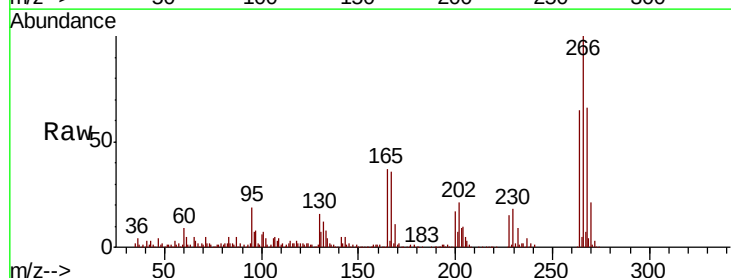
Tgt Ion:266 Resp: 165055

Ion Ratio Lower Upper

266 100

268 65.5 47.9 71.9

264 65.0 49.1 73.7

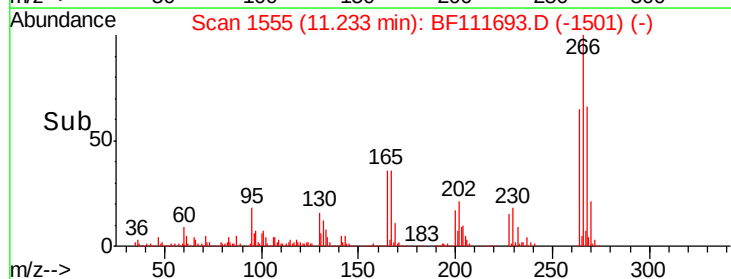
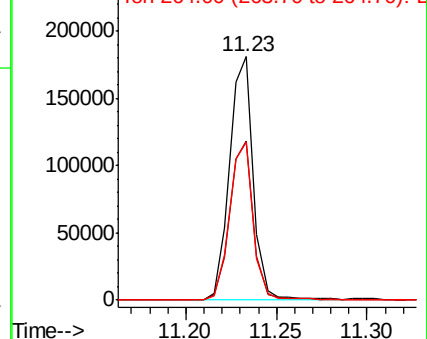


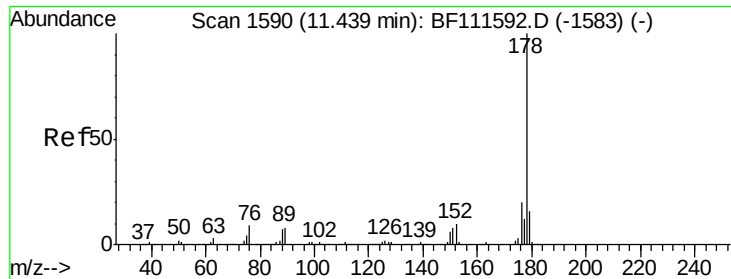
Abundance

Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

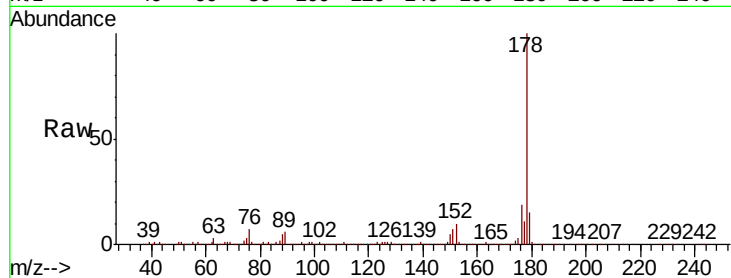




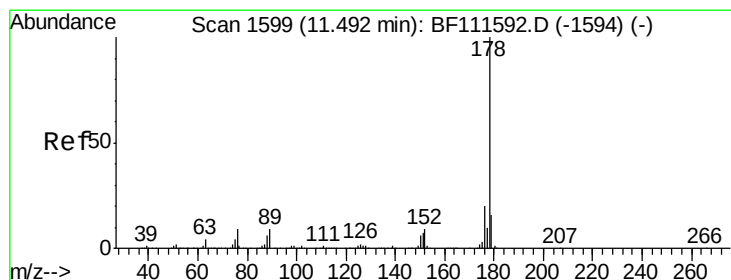
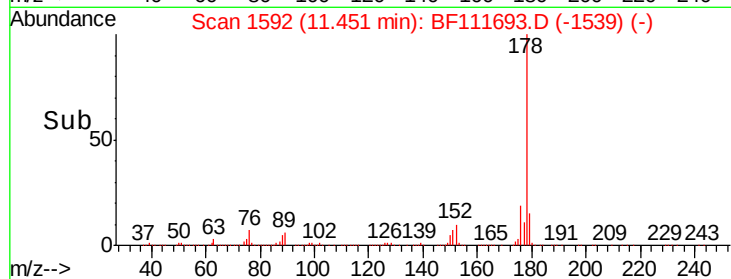
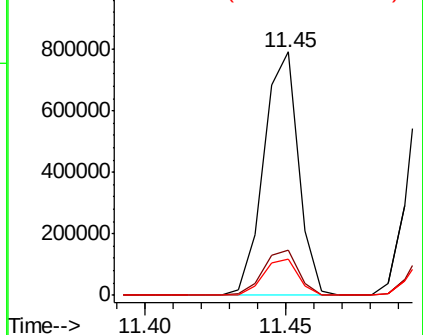
#71  
Phenanthrene  
Concen: 28.419 ng  
RT: 11.45 min Scan# 1592  
Delta R.T. 0.01 min  
Lab File: BF111693.D  
Acq: 21 Dec 2018 17:56

Instrument :  
BNA\_F  
ClientSampleId :  
P001-SS025-1218-01MSD

Tgt Ion:178 Resp: 676113  
Ion Ratio Lower Upper  
178 100  
176 18.8 18.1 27.1  
179 15.1 14.0 21.0

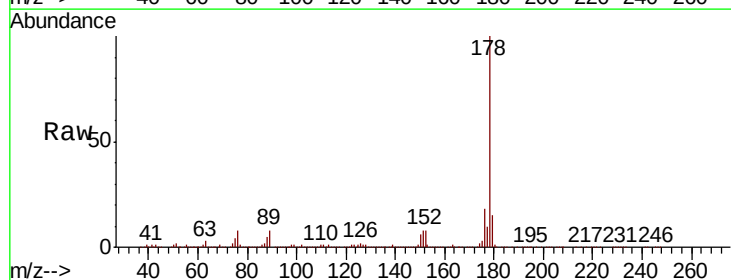


Abundance Ion 178.00 (177.70 to 178.70): E  
Ion 176.00 (175.70 to 176.70): E  
Ion 179.00 (178.70 to 179.70): E

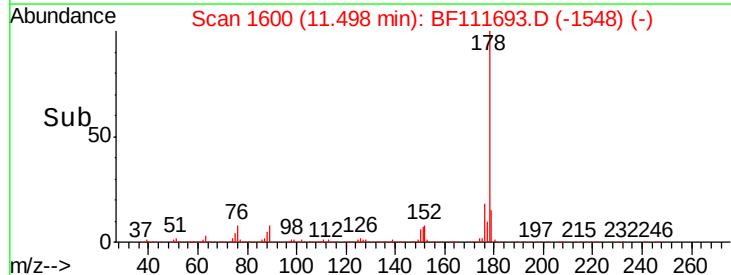
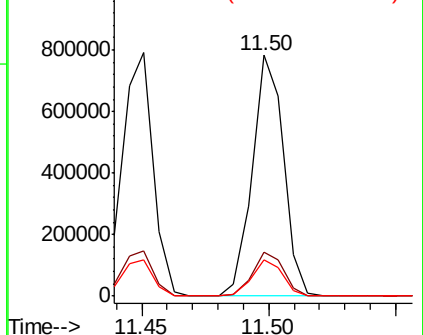


#72  
Anthracene  
Concen: 28.060 ng  
RT: 11.50 min Scan# 1600  
Delta R.T. 0.01 min  
Lab File: BF111693.D  
Acq: 21 Dec 2018 17:56

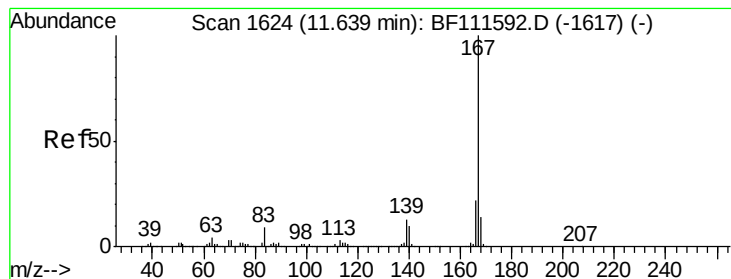
Tgt Ion:178 Resp: 670071  
Ion Ratio Lower Upper  
178 100  
176 18.4 17.2 25.8  
179 15.2 13.8 20.8



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







#73

Carbazole

Concen: 25.005 ng

RT: 11.65 min Scan# 1626

Delta R.T. 0.01 min

Lab File: BF111693.D

Acq: 21 Dec 2018 17:56

Instrument :

BNA\_F

ClientSampleId :

P001-SS025-1218-01MSD

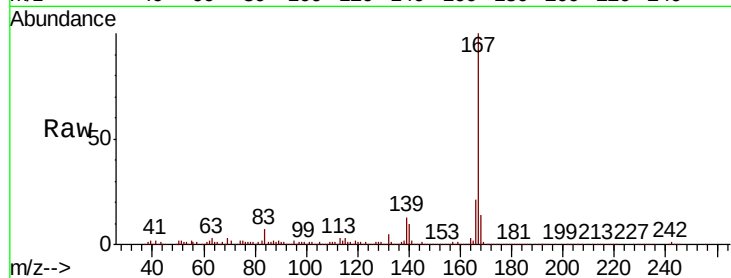
Tgt Ion:167 Resp: 579715

Ion Ratio Lower Upper

167 100

166 21.3 19.3 28.9

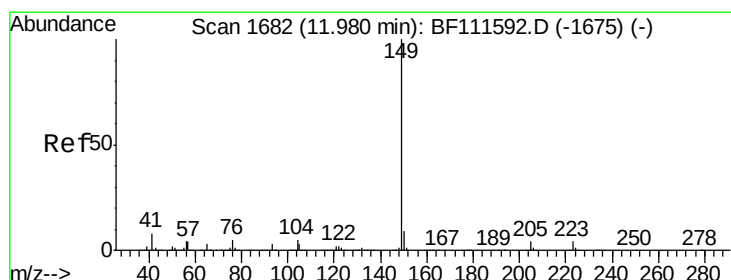
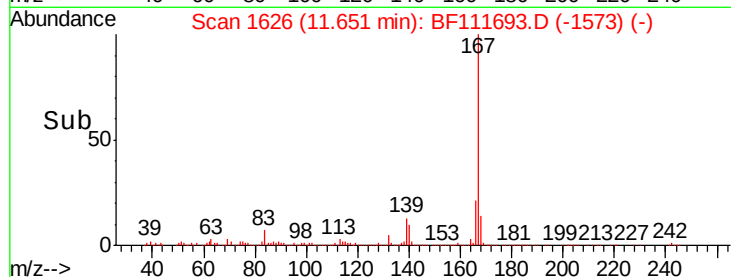
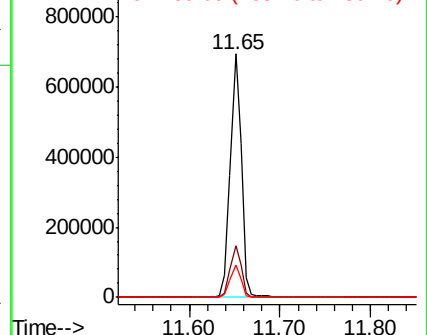
139 13.3 11.9 17.9



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



#74

Di-n-butylphthalate

Concen: 27.803 ng

RT: 11.99 min Scan# 1683

Delta R.T. 0.01 min

Lab File: BF111693.D

Acq: 21 Dec 2018 17:56

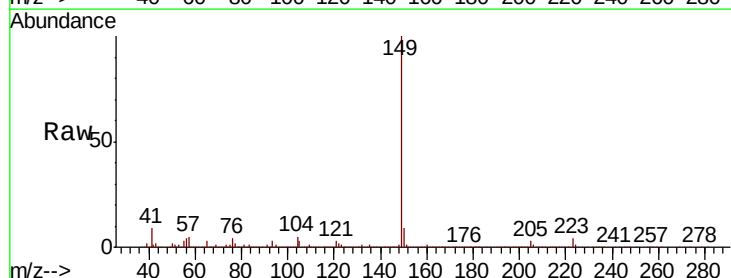
Tgt Ion:149 Resp: 722717

Ion Ratio Lower Upper

149 100

150 9.1 8.8 13.2

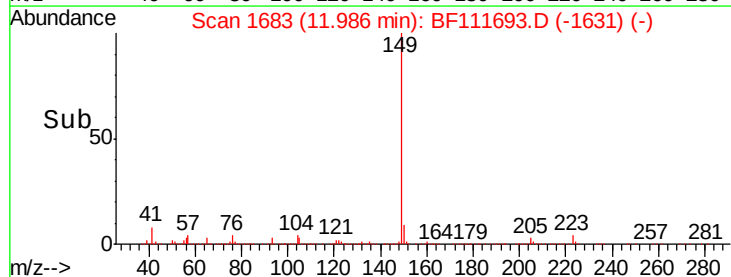
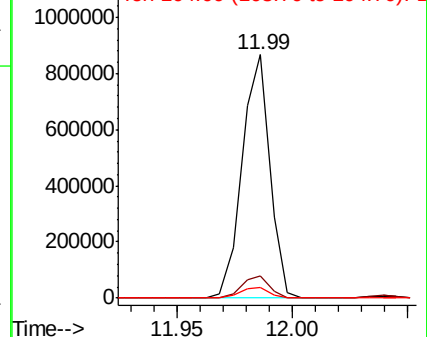
104 4.5 4.5 6.7

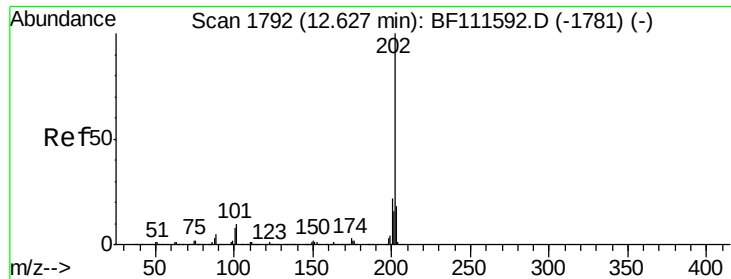


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 27.699 ng

RT: 12.64 min Scan# 1794

Delta R.T. 0.01 min

Lab File: BF111693.D

Acq: 21 Dec 2018 17:56

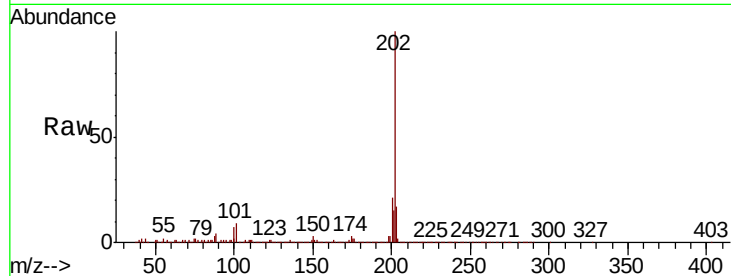
Instrument :

BNA\_F

ClientSampleId :

P001-SS025-1218-01MSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 202   | Resp: | 667319 |
| Ion      | Ratio | Lower | Upper  |
| 202      | 100   |       |        |
| 101      | 9.0   | 0.0   | 33.8   |
| 203      | 17.4  | 0.0   | 38.6   |

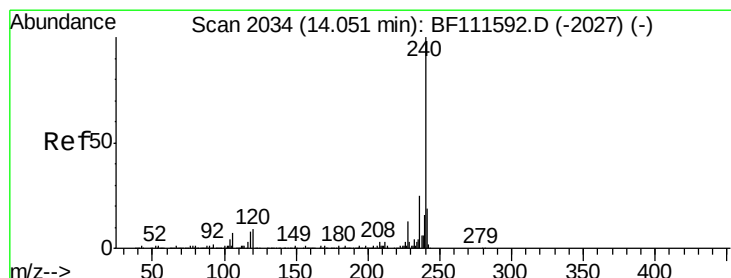
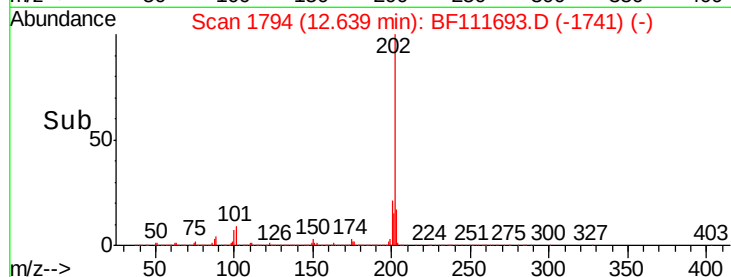
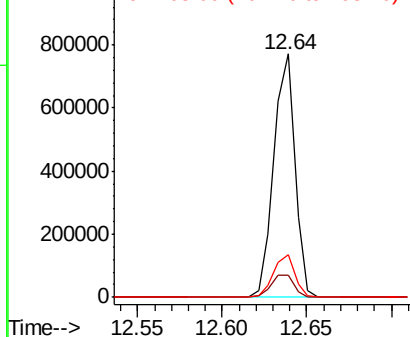


Abundance

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



#76

Chrysene-d12

Concen: 20.000 ng

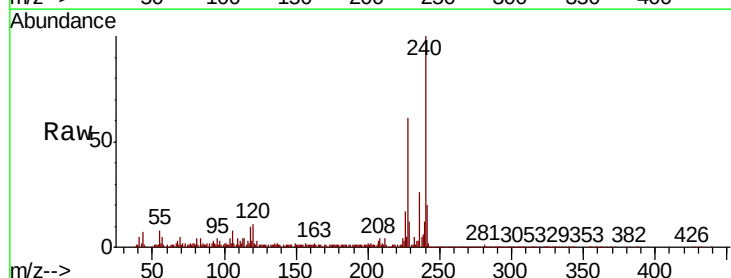
RT: 14.06 min Scan# 2036

Delta R.T. 0.01 min

Lab File: BF111693.D

Acq: 21 Dec 2018 17:56

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 240   | Resp: | 329519 |
| Ion      | Ratio | Lower | Upper  |
| 240      | 100   |       |        |
| 120      | 11.0  | 12.2  | 18.2#  |
| 236      | 26.1  | 20.2  | 30.2   |

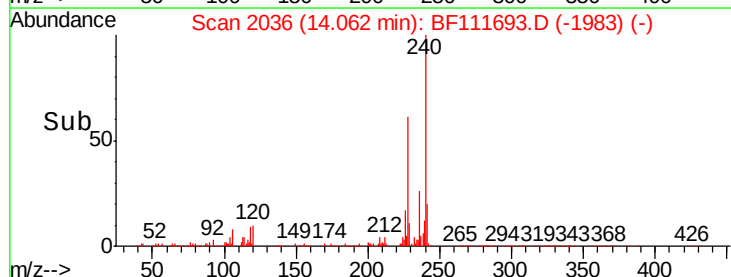
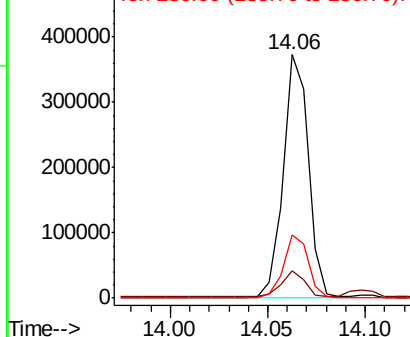


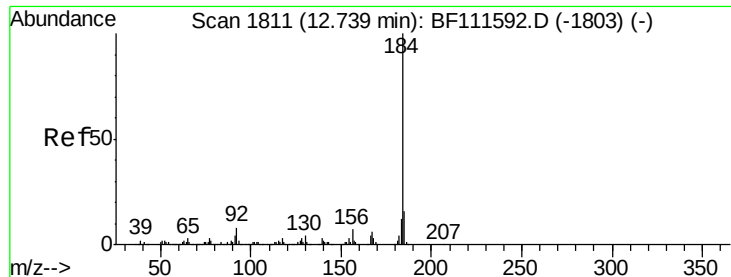
Abundance

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





#77

Benzidine

Concen: 2.191 ng

RT: 12.73 min Scan# 1810

Delta R.T. -0.01 min

Lab File: BF111693.D

Acq: 21 Dec 2018 17:56

Instrument :

BNA\_F

ClientSampleId :

P001-SS025-1218-01MSD

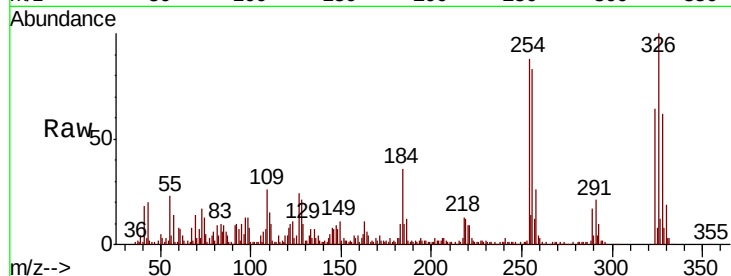
Tgt Ion:184 Resp: 27173

Ion Ratio Lower Upper

184 100

185 27.1 13.0 19.6#

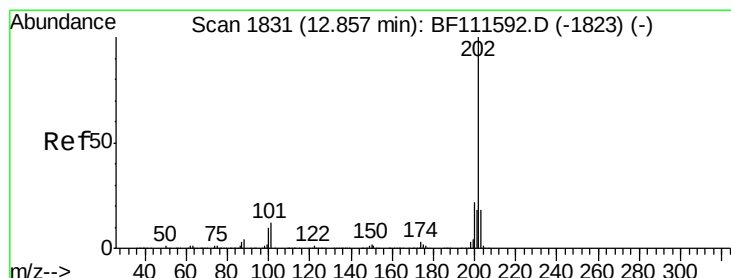
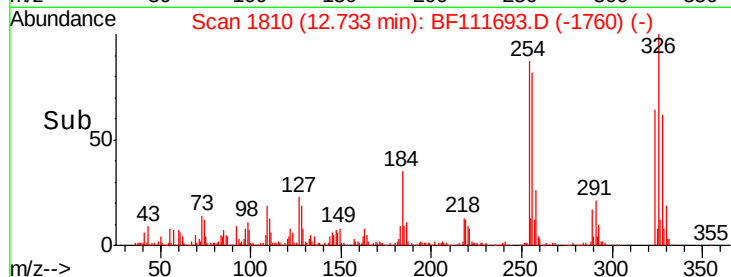
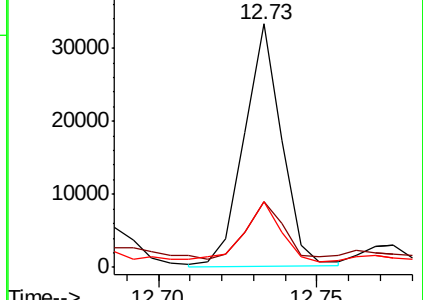
183 26.9 9.3 13.9#



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



#78

Pyrene

Concen: 28.556 ng

RT: 12.87 min Scan# 1833

Delta R.T. 0.01 min

Lab File: BF111693.D

Acq: 21 Dec 2018 17:56

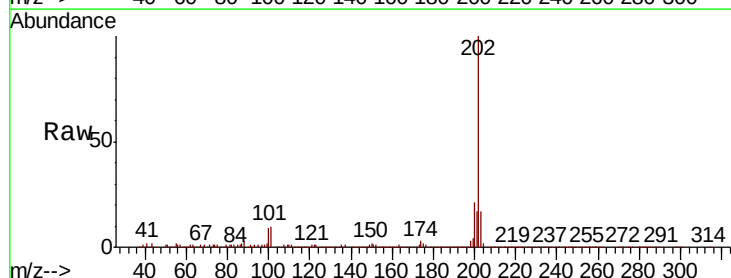
Tgt Ion:202 Resp: 664493

Ion Ratio Lower Upper

202 100

200 20.8 19.0 28.4

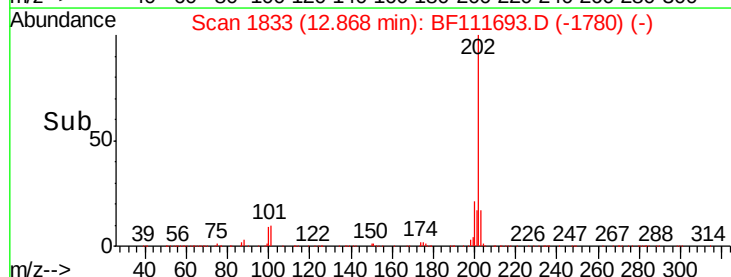
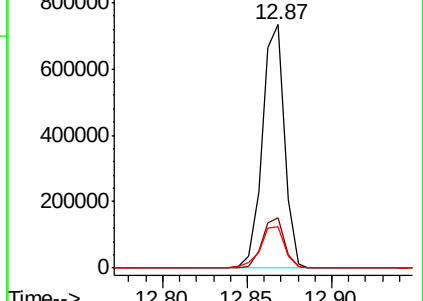
203 17.2 15.2 22.8

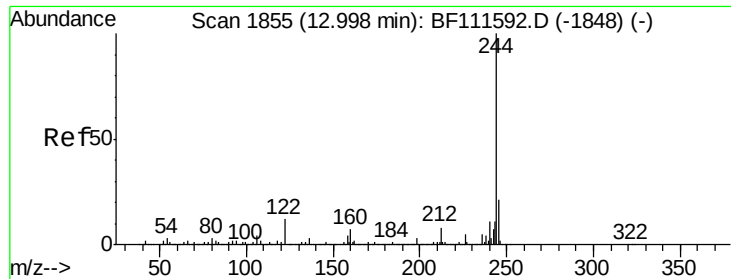


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 52.667 ng

RT: 13.01 min Scan# 1857

Delta R.T. 0.01 min

Lab File: BF111693.D

Acq: 21 Dec 2018 17:56

Instrument :

BNA\_F

ClientSampleId :

P001-SS025-1218-01MSD

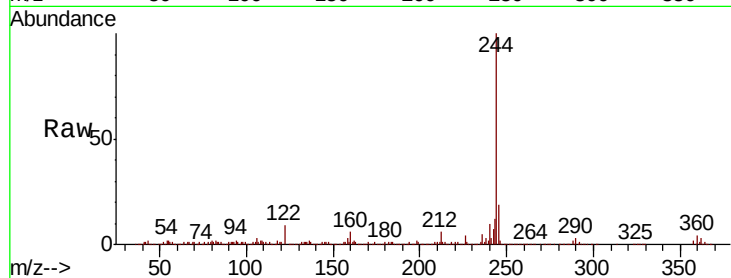
Tgt Ion:244 Resp: 915132

Ion Ratio Lower Upper

244 100

212 6.4 5.7 8.5

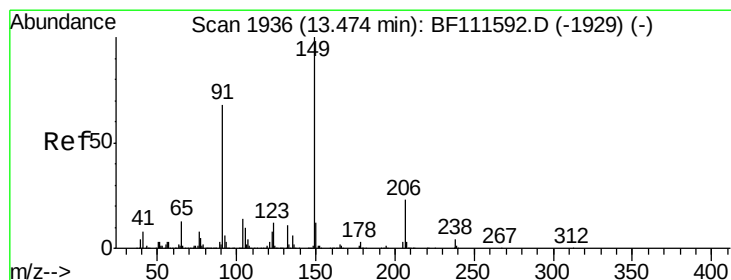
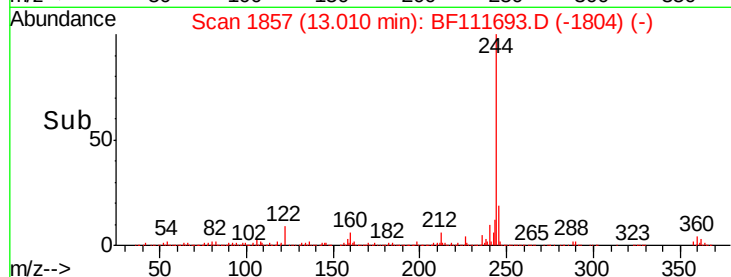
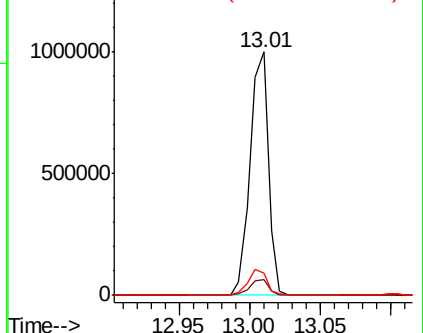
122 8.9 13.1 19.7#



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



#80

Butylbenzylphthalate

Concen: 28.339 ng

RT: 13.49 min Scan# 1938

Delta R.T. 0.01 min

Lab File: BF111693.D

Acq: 21 Dec 2018 17:56

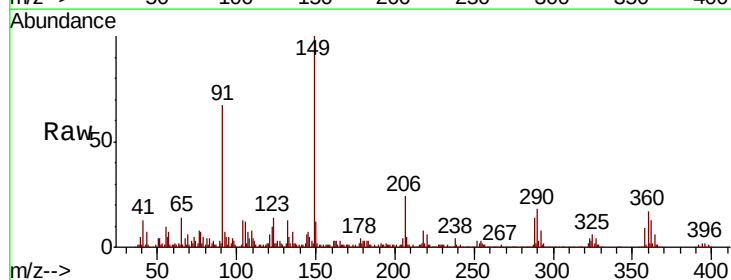
Tgt Ion:149 Resp: 268808

Ion Ratio Lower Upper

149 100

91 67.4 63.8 95.6

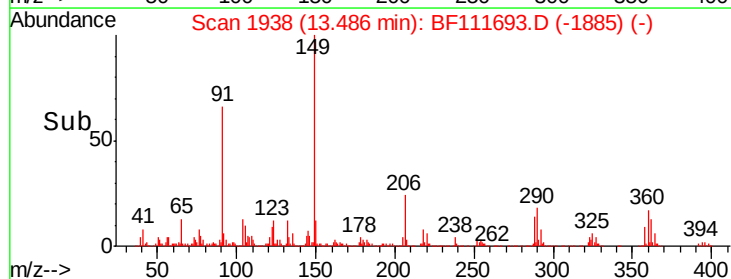
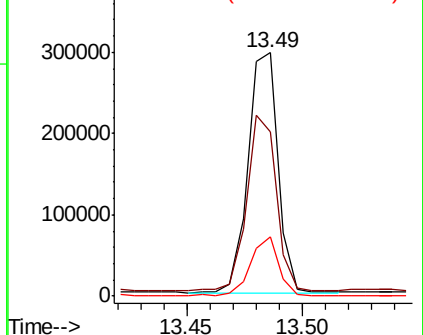
206 24.1 15.1 22.7#

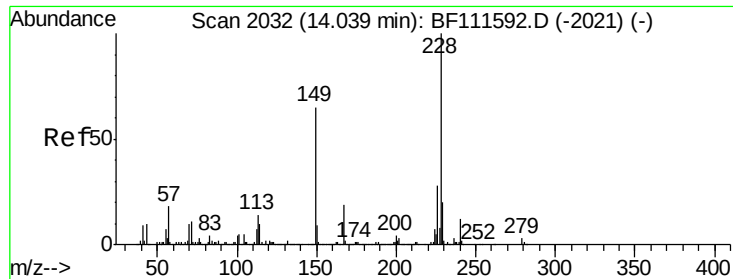


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 27.631 ng

RT: 14.06 min Scan# 2035

Delta R.T. 0.02 min

Lab File: BF111693.D

Acq: 21 Dec 2018 17:56

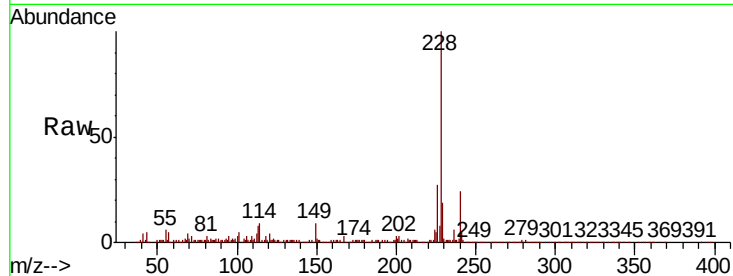
Instrument :

BNA\_F

ClientSampleId :

P001-SS025-1218-01MSD

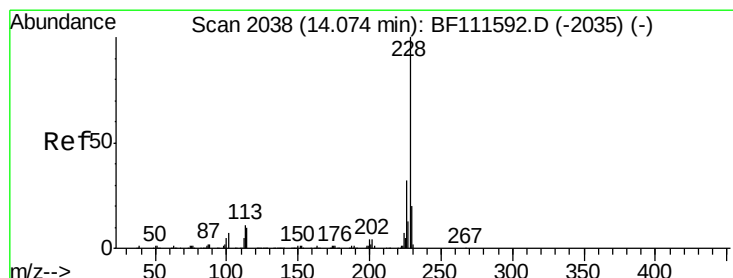
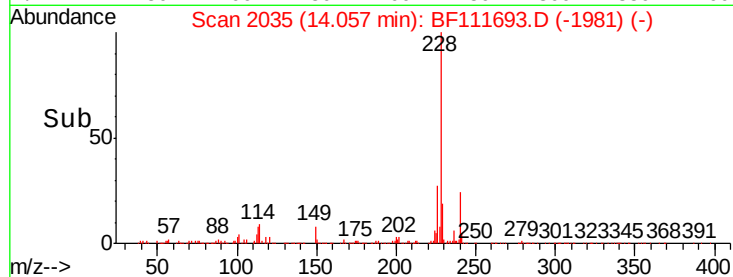
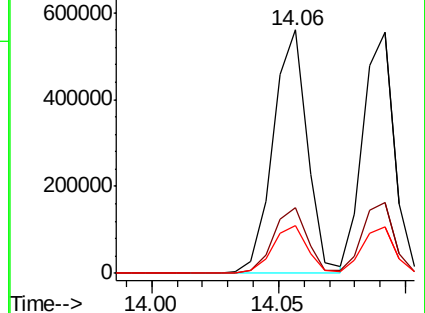
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 228   | Resp: | 519607 |
| Ion      | Ratio | Lower | Upper  |
| 228      | 100   |       |        |
| 226      | 27.2  | 22.6  | 34.0   |
| 229      | 19.5  | 16.3  | 24.5   |



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

Chrysene

Concen: 25.642 ng

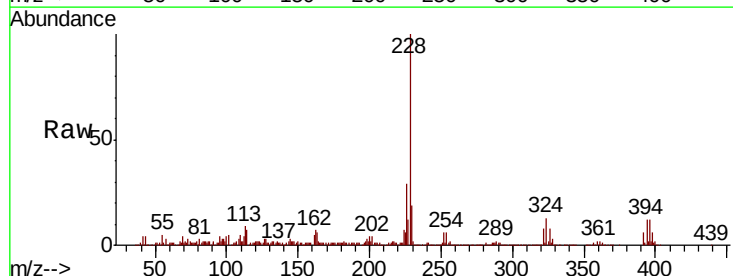
RT: 14.09 min Scan# 2041

Delta R.T. 0.02 min

Lab File: BF111693.D

Acq: 21 Dec 2018 17:56

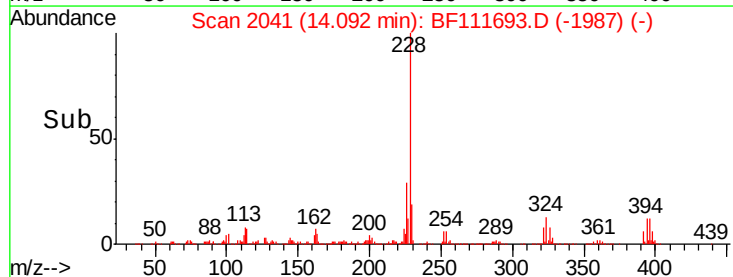
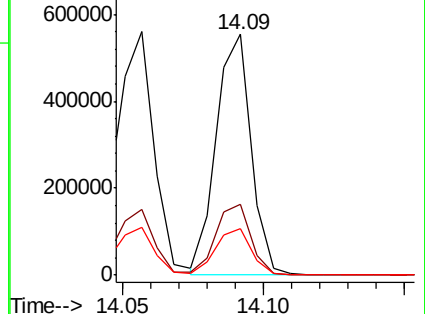
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 228   | Resp: | 473947 |
| Ion      | Ratio | Lower | Upper  |
| 228      | 100   |       |        |
| 226      | 29.4  | 25.3  | 37.9   |
| 229      | 19.1  | 17.2  | 25.8   |

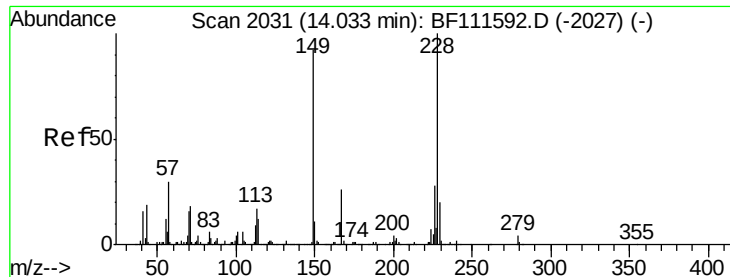


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 30.581 ng

RT: 14.04 min Scan# 2033

Delta R.T. 0.01 min

Lab File: BF111693.D

Acq: 21 Dec 2018 17:56

Instrument :

BNA\_F

ClientSampleId :

P001-SS025-1218-01MSD

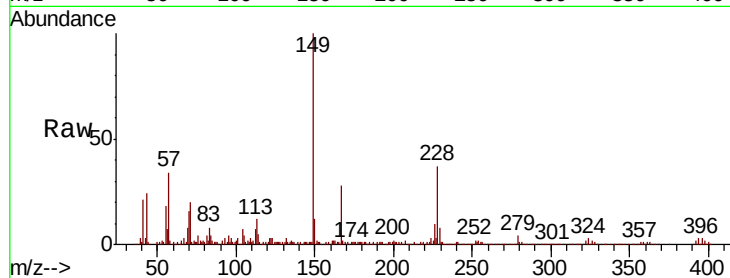
Tgt Ion:149 Resp: 365378

Ion Ratio Lower Upper

149 100

167 27.6 22.5 33.7

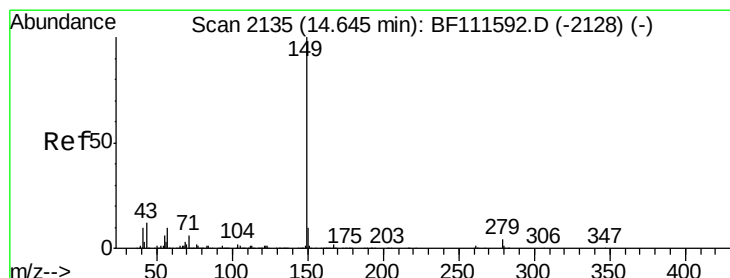
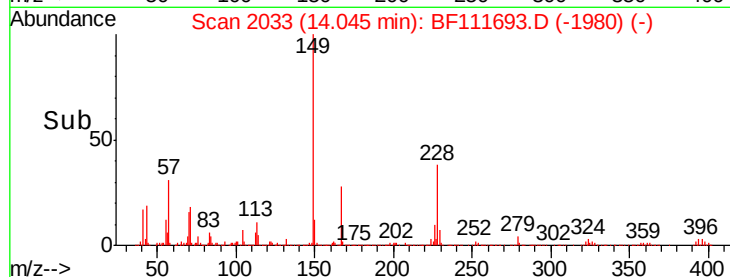
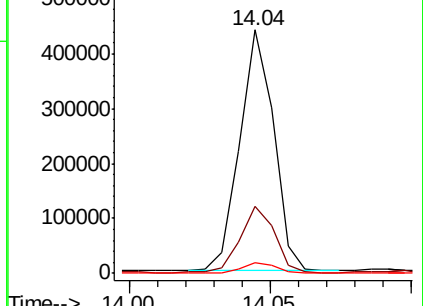
279 4.1 2.6 4.0#



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



#85

Di-n-octyl phthalate

Concen: 29.903 ng

RT: 14.66 min Scan# 2138

Delta R.T. 0.02 min

Lab File: BF111693.D

Acq: 21 Dec 2018 17:56

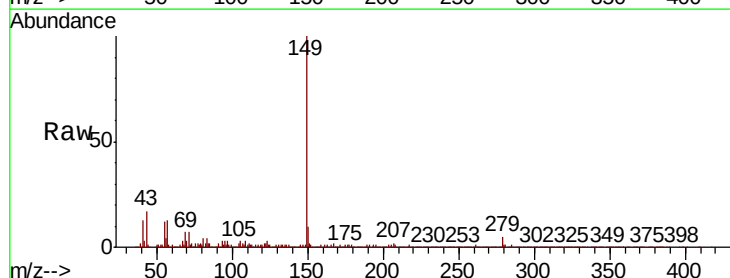
Tgt Ion:149 Resp: 553555

Ion Ratio Lower Upper

149 100

167 1.9 1.3 1.9

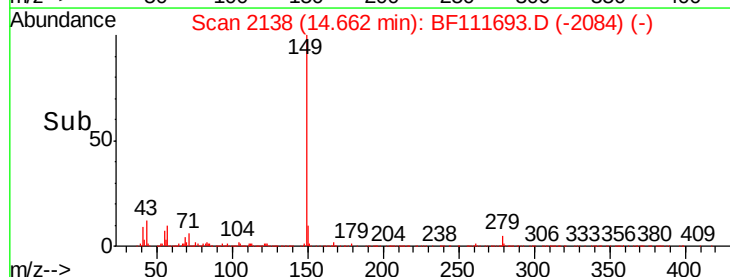
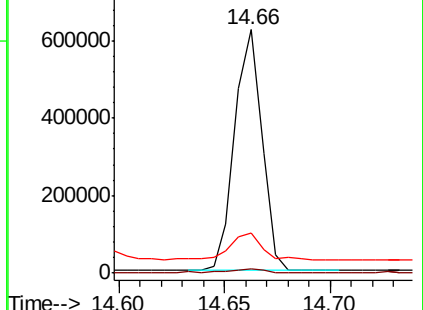
43 14.1 10.9 16.3

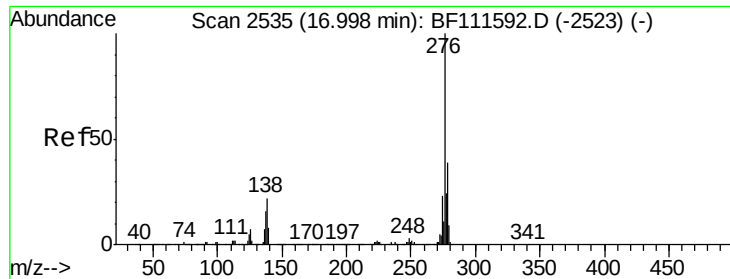


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1





#86

Indeno(1,2,3-cd)pyrene

Concen: 24.364 ng

RT: 17.04 min Scan# 2543

Delta R.T. 0.05 min

Lab File: BF111693.D

Acq: 21 Dec 2018 17:56

Instrument :

BNA\_F

ClientSampleId :

P001-SS025-1218-01MSD

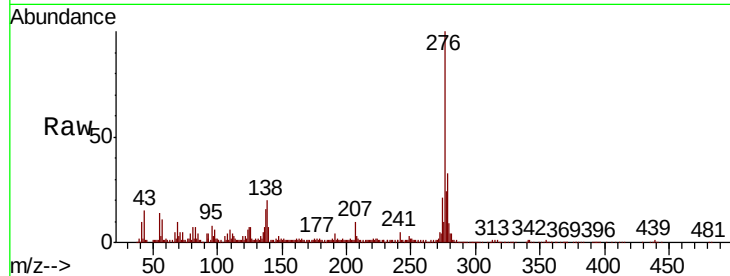
Tgt Ion:276 Resp: 382823

Ion Ratio Lower Upper

276 100

138 21.8 27.8 41.6#

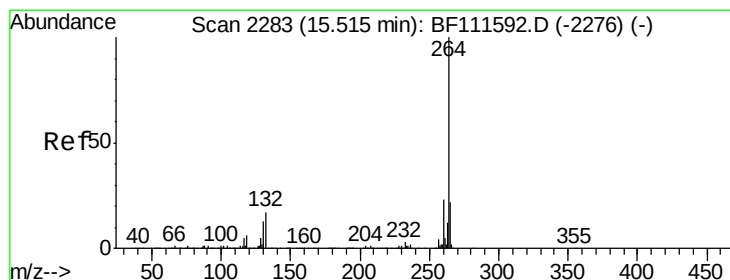
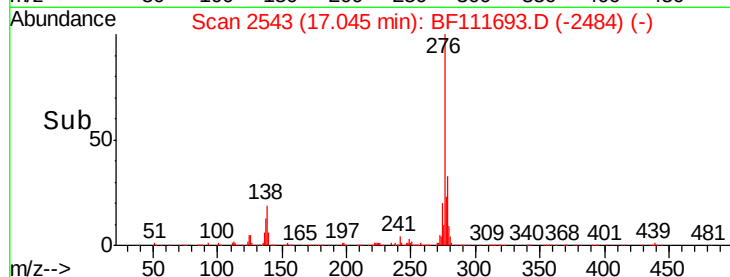
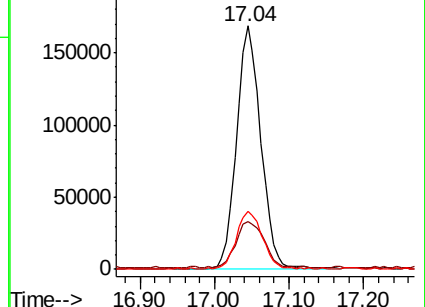
277 24.6 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.55 min Scan# 2289

Delta R.T. 0.04 min

Lab File: BF111693.D

Acq: 21 Dec 2018 17:56

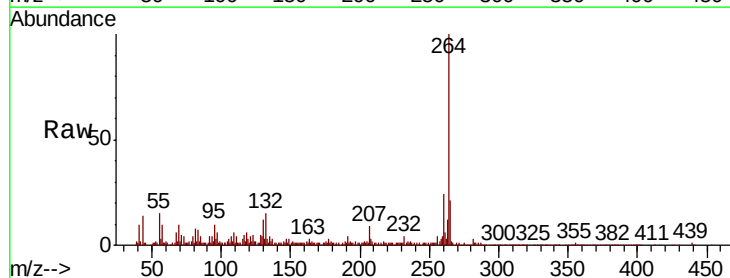
Tgt Ion:264 Resp: 252673

Ion Ratio Lower Upper

264 100

260 23.6 18.3 27.5

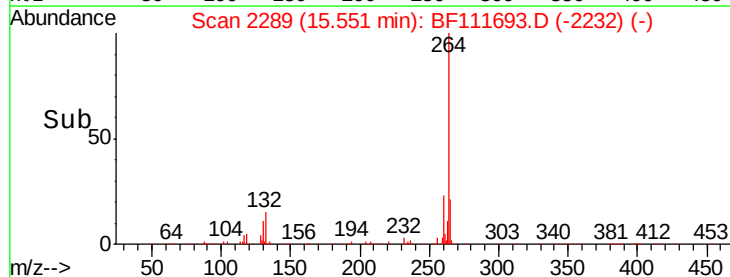
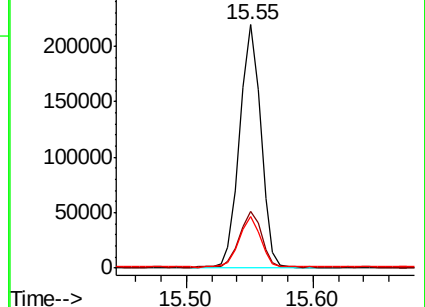
265 21.3 17.7 26.5

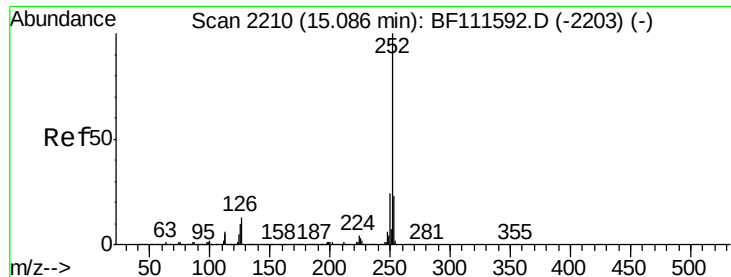


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

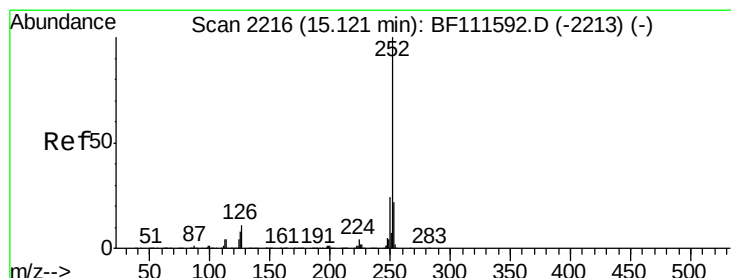
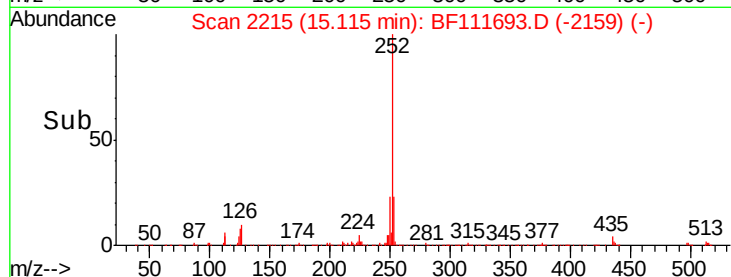
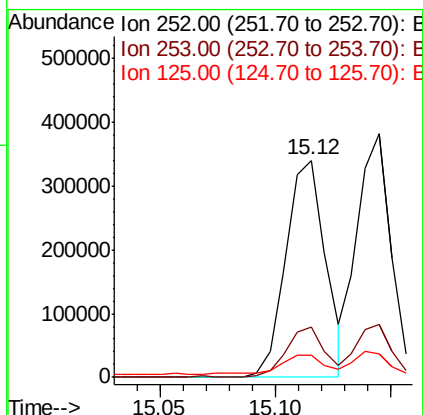
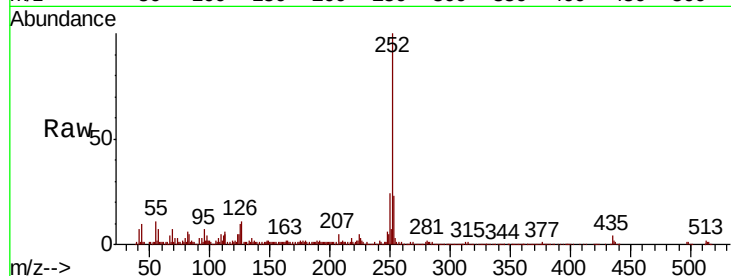




#88  
Benzo(b)fluoranthene  
Concen: 27.399 ng  
RT: 15.12 min Scan# 2215  
Delta R.T. 0.03 min  
Lab File: BF111693.D  
Acq: 21 Dec 2018 17:56

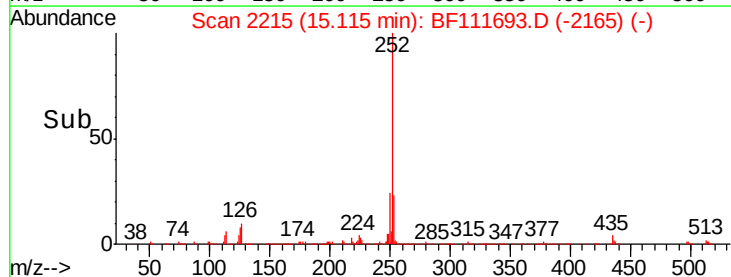
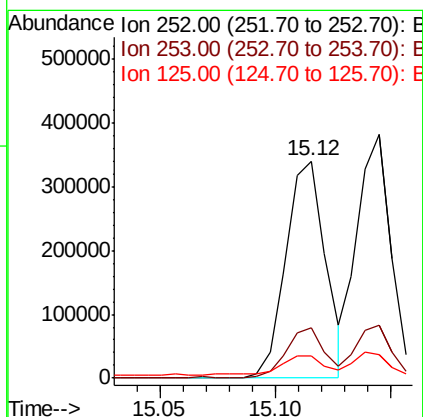
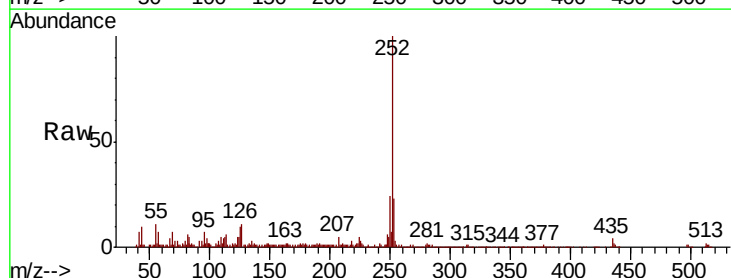
Instrument :  
BNA\_F  
ClientSampleId :  
P001-SS025-1218-01MSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.2  | 18.2  | 27.2  |
| 125     | 10.0  | 10.4  | 15.6# |

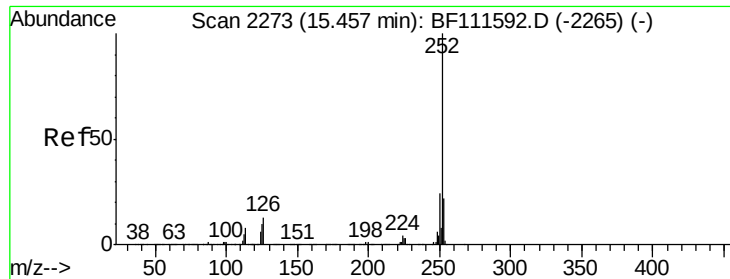


#89  
Benzo(k)fluoranthene  
Concen: 28.780 ng  
RT: 15.12 min Scan# 2215  
Delta R.T. -0.01 min  
Lab File: BF111693.D  
Acq: 21 Dec 2018 17:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.2  | 18.1  | 27.1  |
| 125     | 10.0  | 9.8   | 14.8  |







#90

Benzo(a)pyrene

Concen: 27.233 ng

RT: 15.49 min Scan# 2278

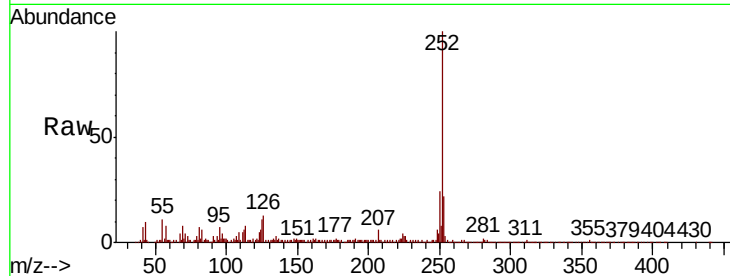
Delta R.T. 0.03 min

Lab File: BF111693.D

Acq: 21 Dec 2018 17:56

Instrument :  
BNA\_F  
ClientSampleId :  
P001-SS025-1218-01MSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.1  | 17.8  | 26.8  |
| 125     | 11.0  | 12.3  | 18.5  |

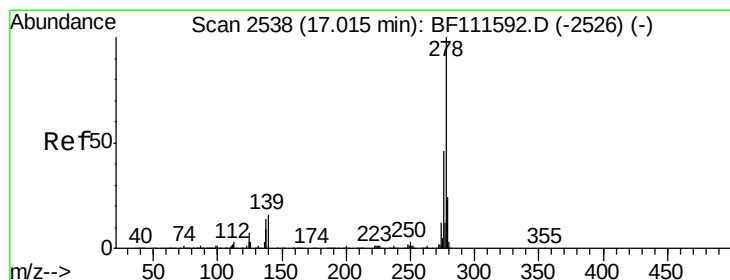
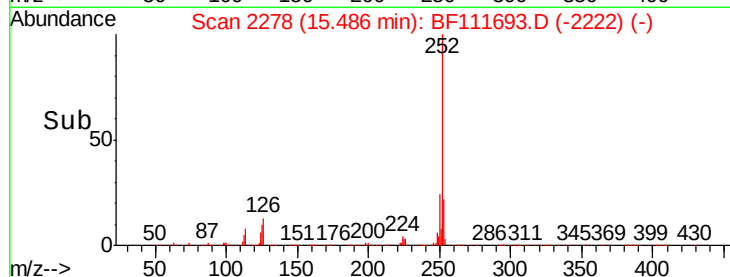
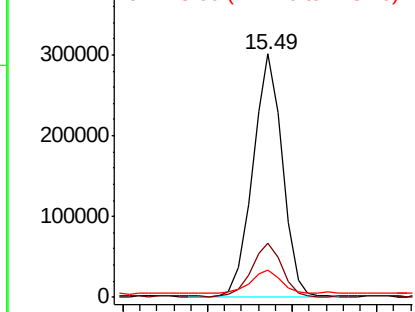


Abundance

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



#91

Dibenzo(a,h)anthracene

Concen: 26.899 ng

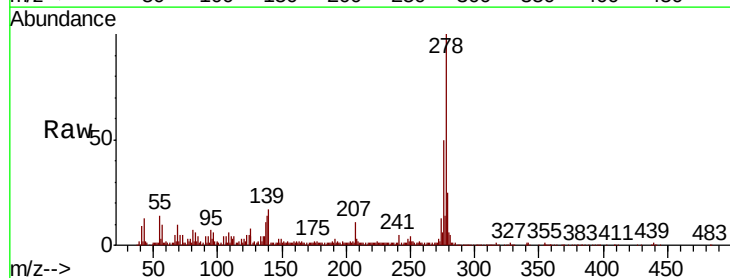
RT: 17.06 min Scan# 2546

Delta R.T. 0.05 min

Lab File: BF111693.D

Acq: 21 Dec 2018 17:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 16.5  | 18.2  | 27.4  |
| 279     | 24.5  | 19.0  | 28.6  |

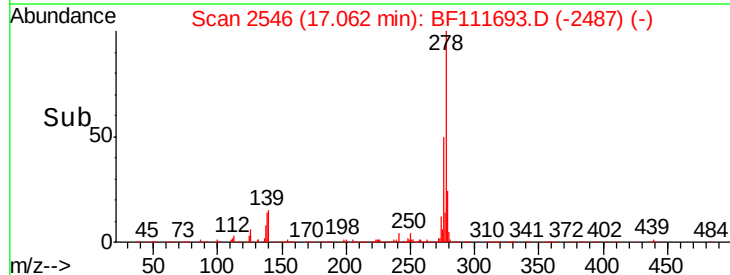
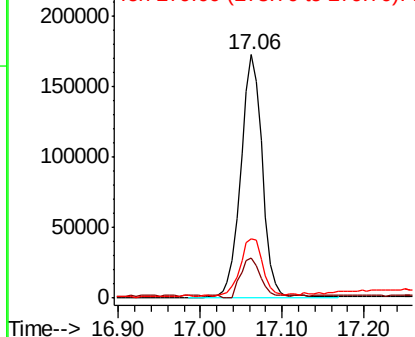


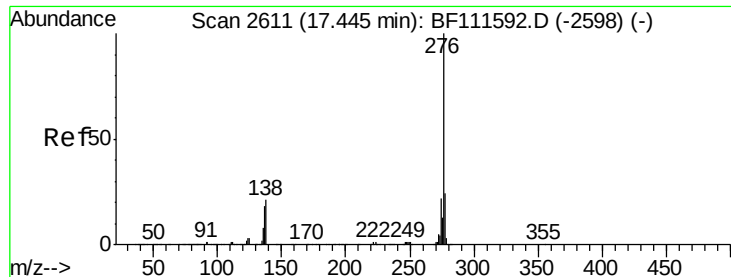
Abundance

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





#92

Benzo(g,h,i)perylene

Concen: 26.063 ng

RT: 17.49 min Scan# 2619

Delta R.T. 0.05 min

Lab File: BF111693.D

Acq: 21 Dec 2018 17:56

Instrument :

BNA\_F

ClientSampleId :

P001-SS025-1218-01MSD

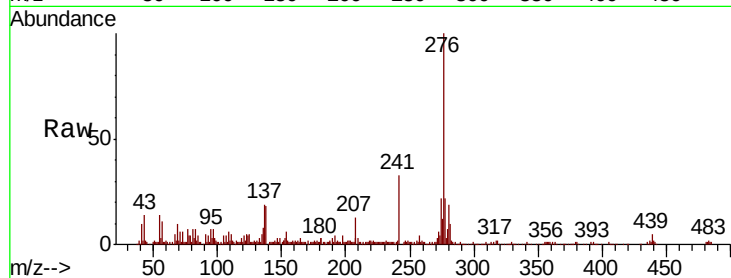
Tgt Ion: 276 Resp: 298992

Ion Ratio Lower Upper

276 100

277 22.3 19.2 28.8

138 18.3 24.9 37.3#



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

