

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071519\  
 Data File : BF115558.D  
 Acq On : 15 Jul 2019 16:05  
 Operator : HP/JU  
 Sample : PB121261BS  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB121261BS

Quant Time: Jul 16 03:22:33 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 12 14:03:52 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.88  | 152  | 172823   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.16  | 136  | 684926   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.92  | 164  | 344300   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.40 | 188  | 660905   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 14.04 | 240  | 418560   | 20.00 | ng    | -0.01    |
| 87) Perylene-d12          | 15.50 | 264  | 396002   | 20.00 | ng    | -0.02    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.52  | 112  | 1348227  | 127.61 | ng    | 0.01     |
| 7) Phenol-d6                | 6.52  | 99   | 1700916  | 126.87 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.45  | 82   | 1099361  | 93.33  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.71 | 330  | 546299   | 135.94 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.24  | 172  | 2064031  | 104.93 | ng    | -0.01    |
| 79) Terphenyl-d14           | 12.99 | 244  | 2068778  | 91.20  | ng    | 0.00     |

| Target Compounds               | R.T. | QIon | Response | Conc   | Units | Qvalue |
|--------------------------------|------|------|----------|--------|-------|--------|
| 2) 1,4-Dioxane                 | 2.79 | 88   | 219785   | 41.702 | ng    | 99     |
| 3) Pyridine                    | 3.53 | 79   | 580062   | 40.567 | ng    | 99     |
| 4) n-Nitrosodimethylamine      | 3.48 | 42   | 222951   | 42.980 | ng    | 98     |
| 6) Aniline                     | 6.55 | 93   | 627926   | 33.656 | ng    | 98     |
| 8) 2-Chlorophenol              | 6.67 | 128  | 545333   | 44.892 | ng    | 99     |
| 9) Benzaldehyde                | 6.43 | 77   | 388789   | 46.407 | ng    | 99     |
| 10) Phenol                     | 6.53 | 94   | 672701   | 43.224 | ng    | 85     |
| 11) bis(2-Chloroethyl)ether    | 6.62 | 93   | 517220   | 43.651 | ng    | 100    |
| 12) 1,3-Dichlorobenzene        | 6.83 | 146  | 593592   | 43.462 | ng    | 98     |
| 13) 1,4-Dichlorobenzene        | 6.90 | 146  | 603306   | 44.273 | ng    | 98     |
| 14) 1,2-Dichlorobenzene        | 7.06 | 146  | 556480   | 44.672 | ng    | 96     |
| 15) Benzyl Alcohol             | 7.02 | 79   | 489906   | 46.065 | ng    | 98     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.16 | 45   | 687784   | 44.089 | ng    | 98     |
| 17) 2-Methylphenol             | 7.13 | 107  | 475800   | 45.450 | ng    | 99     |
| 18) Hexachloroethane           | 7.40 | 117  | 222444   | 43.979 | ng    | 98     |
| 19) n-Nitroso-di-n-propylamine | 7.30 | 70   | 381946   | 43.683 | ng    | 99     |
| 20) 3+4-Methylphenols          | 7.29 | 107  | 557164   | 44.807 | ng    | 92     |
| 22) Acetophenone               | 7.29 | 105  | 741660   | 47.931 | ng    | 100    |
| 24) Nitrobenzene               | 7.46 | 77   | 603585   | 47.508 | ng    | 99     |
| 25) Isophorone                 | 7.70 | 82   | 1108174  | 47.015 | ng    | 99     |
| 26) 2-Nitrophenol              | 7.77 | 139  | 320669   | 49.036 | ng    | 99     |
| 27) 2,4-Dimethylphenol         | 7.82 | 122  | 530933   | 54.262 | ng    | 98     |
| 28) bis(2-Chloroethoxy)methane | 7.91 | 93   | 686330   | 47.464 | ng    | 99     |
| 29) 2,4-Dichlorophenol         | 8.02 | 162  | 499480   | 49.084 | ng    | 99     |
| 30) 1,2,4-Trichlorobenzene     | 8.10 | 180  | 541708   | 47.094 | ng    | 99     |
| 31) Naphthalene                | 8.19 | 128  | 1625947  | 49.017 | ng    | 97     |
| 32) Benzoic acid               | 7.95 | 122  | 374314   | 46.615 | ng    | 97     |
| 33) 4-Chloroaniline            | 8.23 | 127  | 428806   | 29.184 | ng    | 98     |
| 34) Hexachlorobutadiene        | 8.31 | 225  | 303548   | 46.018 | ng    | 99     |
| 35) Caprolactam                | 8.60 | 113  | 158803m  | 50.502 | ng    |        |
| 36) 4-Chloro-3-methylphenol    | 8.71 | 107  | 513729   | 48.669 | ng    | 99     |
| 37) 2-Methylnaphthalene        | 8.88 | 142  | 1101457  | 50.093 | ng    | 97     |
| 38) 1-Methylnaphthalene        | 8.97 | 142  | 1025547  | 49.104 | ng    | 98     |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.05 | 216  | 491578   | 47.413 | ng    | 97     |

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 PB121261BS

Quant Time: Jul 16 03:22:33 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 12 14:03:52 2019  
 Response via : Initial Calibration

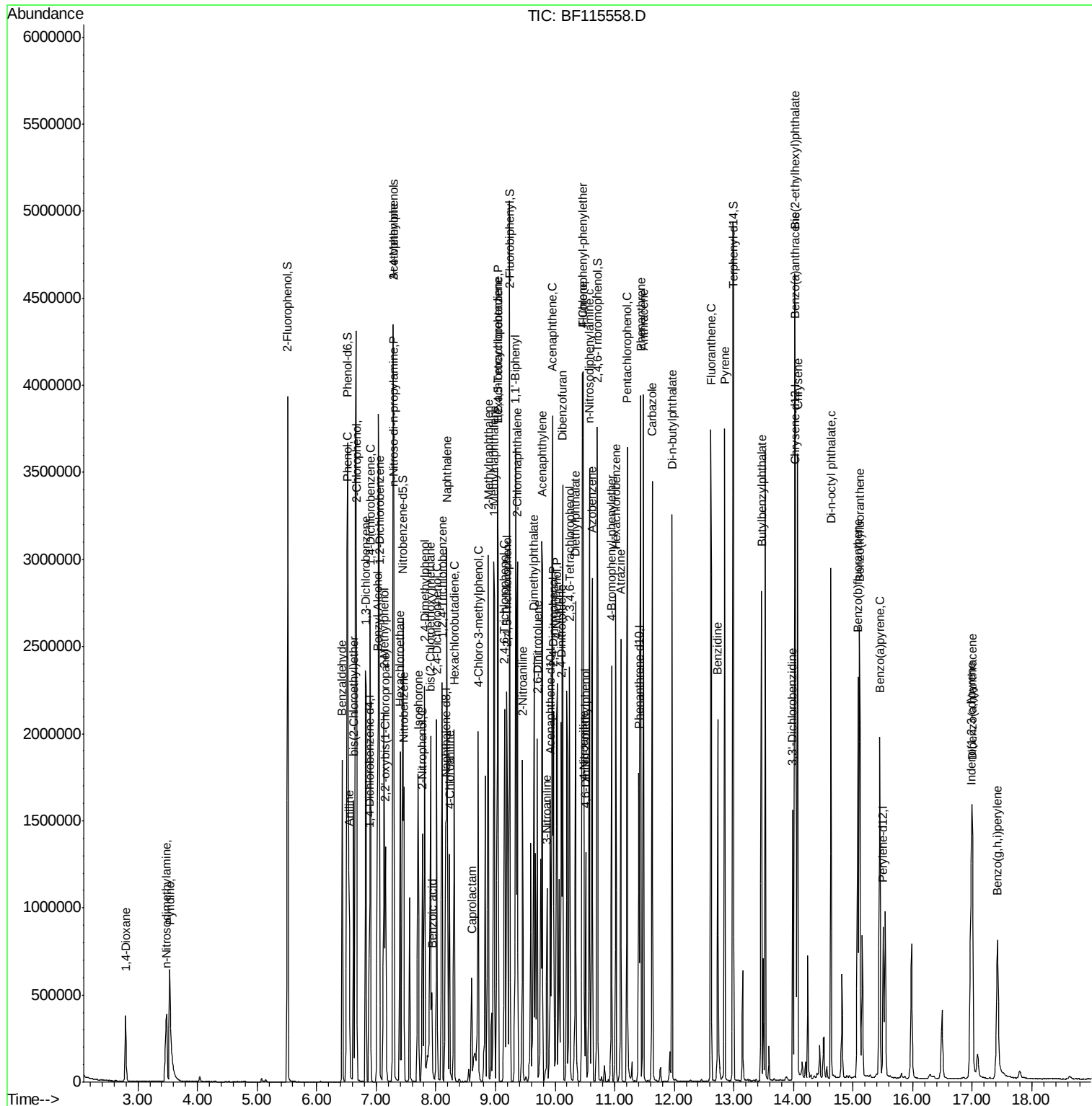
| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 9.04  | 237  | 495562   | 83.790  | ng    | 100      |
| 43) 2,4,6-Trichlorophenol      | 9.15  | 196  | 366995   | 48.403  | ng    | 97       |
| 44) 2,4,5-Trichlorophenol      | 9.19  | 196  | 370535   | 47.719  | ng    | 98       |
| 46) 1,1'-Biphenyl              | 9.34  | 154  | 1307864  | 48.589  | ng    | 98       |
| 47) 2-Chloronaphthalene        | 9.37  | 162  | 1050621  | 46.876  | ng    | 97       |
| 48) 2-Nitroaniline             | 9.46  | 65   | 311907   | 44.963  | ng    | 96       |
| 49) Acenaphthylene             | 9.78  | 152  | 1595354  | 48.039  | ng    | 98       |
| 50) Dimethylphthalate          | 9.65  | 163  | 1218214  | 47.028  | ng    | 98       |
| 51) 2,6-Dinitrotoluene         | 9.70  | 165  | 286250   | 48.625  | ng    | 99       |
| 52) Acenaphthene               | 9.96  | 154  | 1109458  | 51.745  | ng    | 99       |
| 53) 3-Nitroaniline             | 9.87  | 138  | 217355   | 32.310  | ng    | 92       |
| 54) 2,4-Dinitrophenol          | 9.97  | 184  | 308471   | 102.061 | ng    | 98       |
| 55) Dibenzofuran               | 10.13 | 168  | 1427886  | 46.895  | ng    | 100      |
| 56) 4-Nitrophenol              | 10.03 | 139  | 514214   | 100.239 | ng    | 97       |
| 57) 2,4-Dinitrotoluene         | 10.10 | 165  | 374407   | 49.091  | ng    | 97       |
| 58) Fluorene                   | 10.47 | 166  | 1057005  | 48.559  | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol  | 10.25 | 232  | 313211   | 48.253  | ng    | 99       |
| 60) Diethylphthalate           | 10.35 | 149  | 1162060  | 47.879  | ng    | 100      |
| 61) 4-Chlorophenyl-phenylether | 10.46 | 204  | 541496   | 44.859  | ng    | 94       |
| 62) 4-Nitroaniline             | 10.49 | 138  | 300710   | 46.601  | ng    | 99       |
| 63) Azobenzene                 | 10.62 | 77   | 1134925  | 48.209  | ng    | 97       |
| 65) 4,6-Dinitro-2-methylphenol | 10.52 | 198  | 205002   | 50.769  | ng    | 92       |
| 66) n-Nitrosodiphenylamine     | 10.58 | 169  | 982333   | 47.783  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether  | 10.95 | 248  | 351115   | 46.489  | ng    | 96       |
| 68) Hexachlorobenzene          | 11.02 | 284  | 392901   | 45.554  | ng    | 97       |
| 69) Atrazine                   | 11.10 | 200  | 313773   | 46.524  | ng    | 99       |
| 70) Pentachlorophenol          | 11.21 | 266  | 474790   | 90.003  | ng    | 99       |
| 71) Phenanthrene               | 11.43 | 178  | 1590633  | 46.953  | ng    | 98       |
| 72) Anthracene                 | 11.48 | 178  | 1656695  | 47.319  | ng    | 99       |
| 73) Carbazole                  | 11.63 | 167  | 1455334  | 47.402  | ng    | 99       |
| 74) Di-n-butylphthalate        | 11.96 | 149  | 1680509  | 44.437  | ng    | 99       |
| 75) Fluoranthene               | 12.62 | 202  | 1605485  | 44.847  | ng    | 98       |
| 77) Benzidine                  | 12.73 | 184  | 830511   | 56.011  | ng    | 99       |
| 78) Pyrene                     | 12.84 | 202  | 1604207  | 45.237  | ng    | 98       |
| 80) Butylbenzylphthalate       | 13.46 | 149  | 688104   | 45.518  | ng    | 96       |
| 81) Benzo(a)anthracene         | 14.03 | 228  | 1277340  | 46.323  | ng    | 96       |
| 82) 3,3'-Dichlorobenzidine     | 13.99 | 252  | 378476   | 38.609  | ng    | # 97     |
| 83) Chrysene                   | 14.07 | 228  | 1291270  | 46.648  | ng    | 98       |
| 84) Bis(2-ethylhexyl)phthalate | 14.02 | 149  | 857876   | 45.813  | ng    | 99       |
| 85) Di-n-octyl phthalate       | 14.63 | 149  | 1545246  | 51.864  | ng    | 98       |
| 86) Indeno(1,2,3-cd)pyrene     | 16.98 | 276  | 1082673  | 46.037  | ng    | 100      |
| 88) Benzo(b)fluoranthene       | 15.08 | 252  | 1208370  | 47.388  | ng    | 99       |
| 89) Benzo(k)fluoranthene       | 15.11 | 252  | 1206948  | 53.090  | ng    | 98       |
| 90) Benzo(a)pyrene             | 15.45 | 252  | 1092080  | 49.829  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene     | 17.00 | 278  | 915464   | 47.580  | ng    | 98       |
| 92) Benzo(g,h,i)perylene       | 17.43 | 276  | 863918   | 45.022  | ng    | 99       |

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

```
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Sample    : PB121261BS  
Misc      :  
ALS Vial  : 3      Sample Multiplier: 1
```

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QLast Update : Fri Jul 12 14:03:52 2019  
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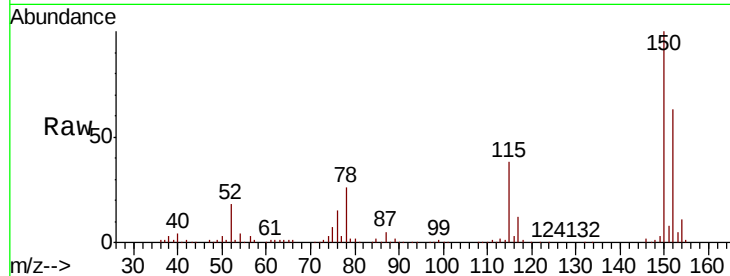


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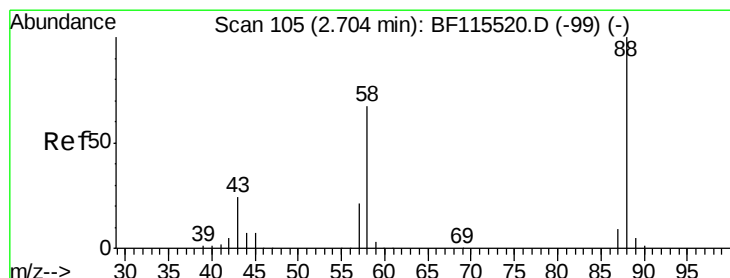
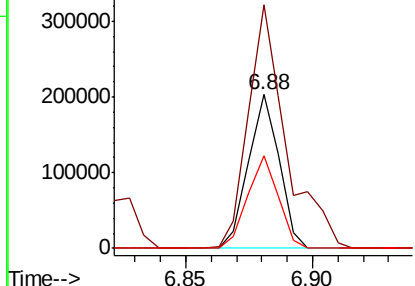
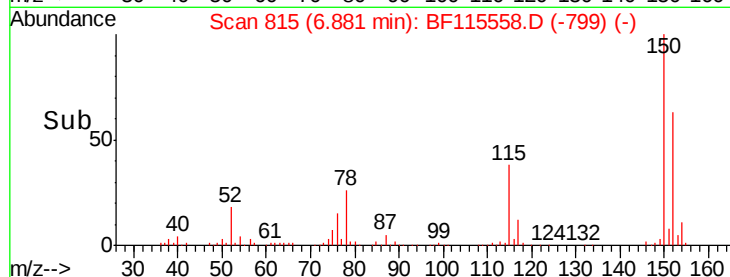
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.88 min Scan# 815  
Delta R.T. -0.01 min  
Lab File: BF115558.D  
Acq: 15 Jul 2019 16:05

Instrument :  
BNA\_F  
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PB121261BS

Tot Ion:152 Resp: 172823  
Ion Ratio Lower Upper  
152 100  
150 158.3 129.7 194.5  
115 60.6 48.2 72.4



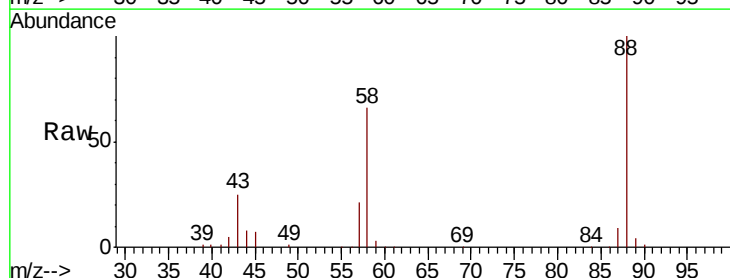
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



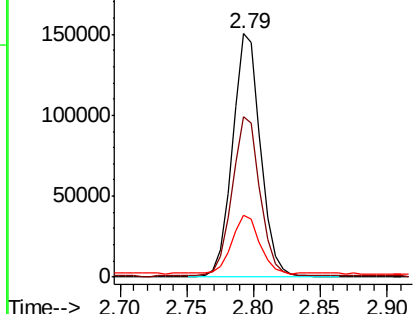
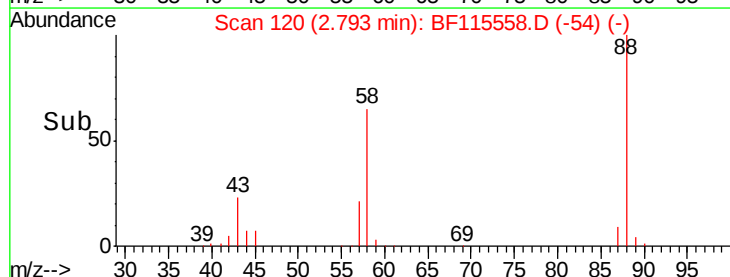
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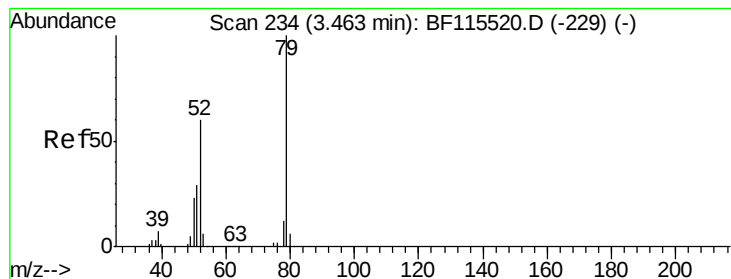
1,4-Dioxane  
Concen: 41.702 ng  
RT: 2.79 min Scan# 120  
Delta R.T. 0.09 min  
Lab File: BF115558.D  
Acq: 15 Jul 2019 16:05

Tgt Ion: 88 Resp: 219785  
Ion Ratio Lower Upper  
88 100  
58 65.5 52.6 79.0  
43 24.4 19.1 28.7



Abundance Ion 88.00 (87.70 to 88.70): BF1  
Ion 58.00 (57.70 to 58.70): BF1  
Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 40.567 ng

RT: 3.53 min Scan# 246

Delta R.T. 0.07 min

Lab File: BF115558.D

Acq: 15 Jul 2019 16:05

Instrument :

BNA\_F

ClientSampleId :

PB121261BS

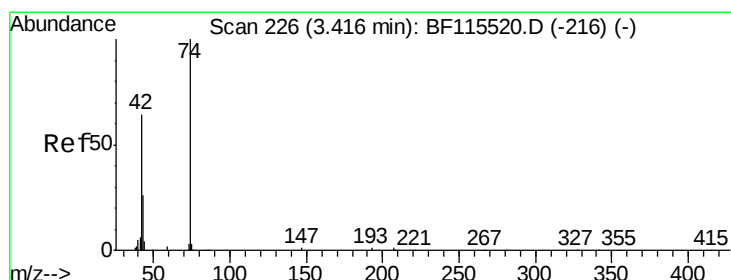
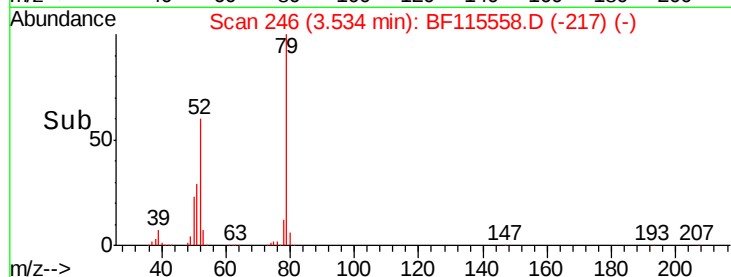
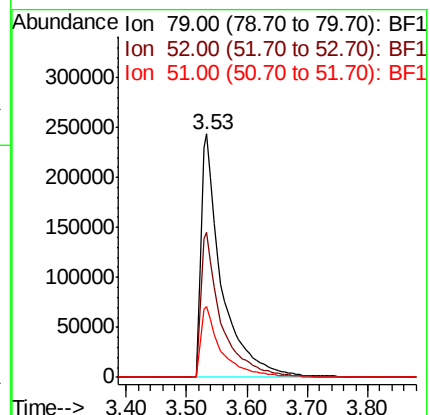
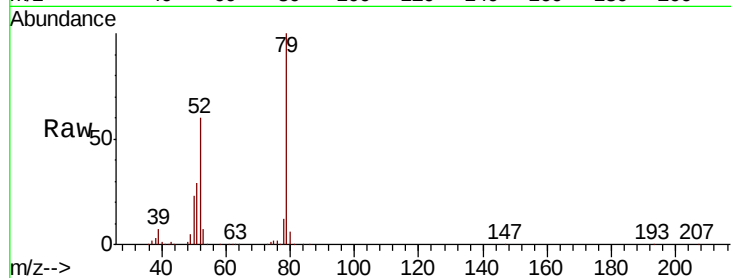
Tot Ion: 79 Resp: 580062

Ion Ratio Lower Upper

79 100

52 59.5 47.8 71.6

51 29.2 23.8 35.8



#4

n-Nitrosodimethylamine

Concen: 42.980 ng

RT: 3.48 min Scan# 237

Delta R.T. 0.06 min

Lab File: BF115558.D

Acq: 15 Jul 2019 16:05

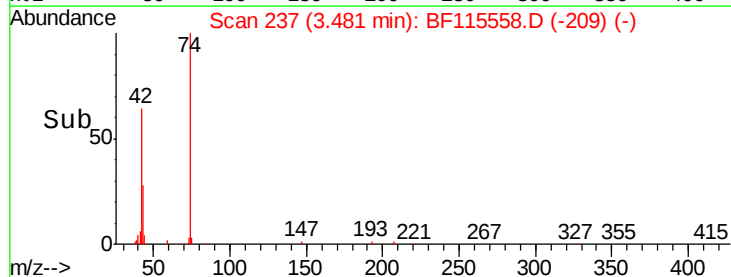
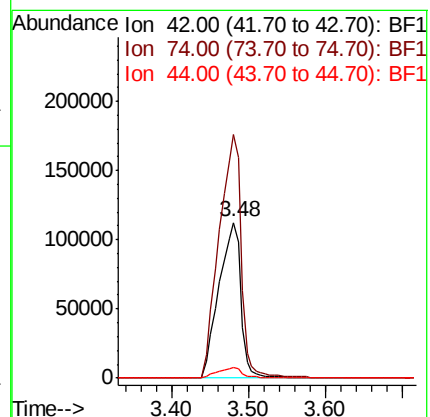
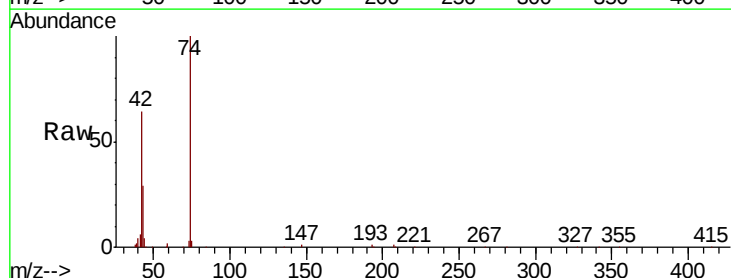
Tgt Ion: 42 Resp: 222951

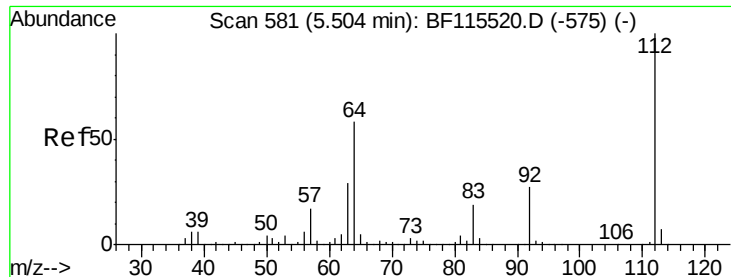
Ion Ratio Lower Upper

42 100

74 156.5 127.5 191.3

44 6.7 5.0 7.6





#5

2-Fluorophenol

Concen: 127.605 ng

RT: 5.52 min Scan# 583

Delta R.T. 0.01 min

Lab File: BF115558.D

Acq: 15 Jul 2019 16:05

Instrument :

BNA\_F

ClientSampleId :

PB121261BS

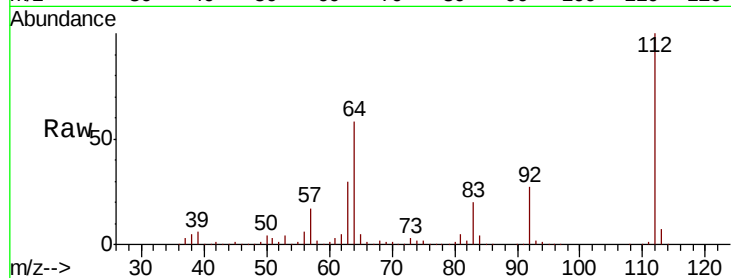
Tot Ion:112 Resp: 1348227

Ion Ratio Lower Upper

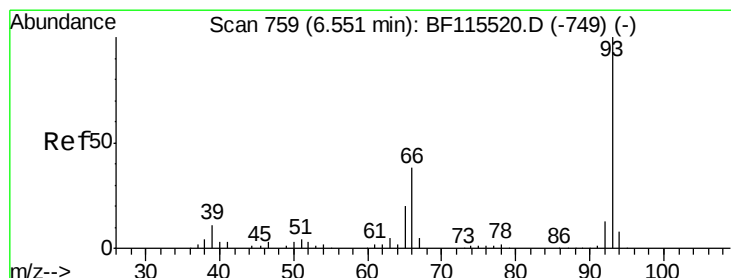
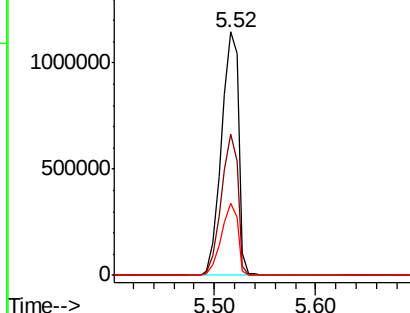
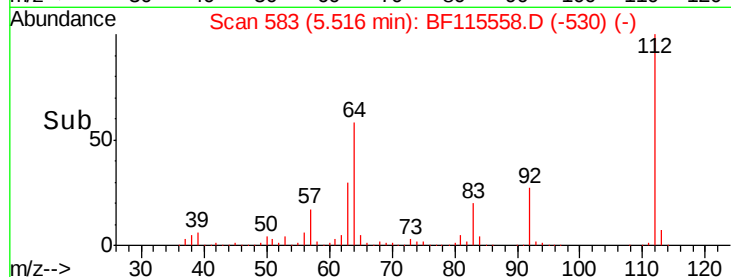
112 100

64 58.2 46.8 70.2

63 29.7 24.1 36.1



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: 33.656 ng

RT: 6.55 min Scan# 758

Delta R.T. -0.01 min

Lab File: BF115558.D

Acq: 15 Jul 2019 16:05

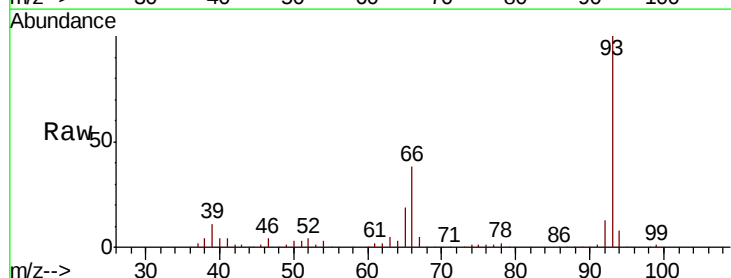
Tgt Ion: 93 Resp: 627926

Ion Ratio Lower Upper

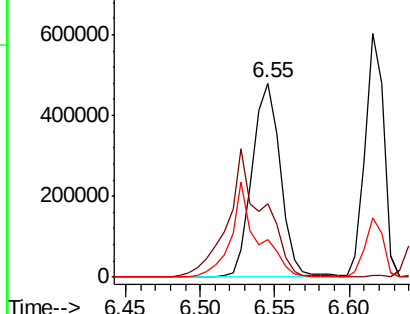
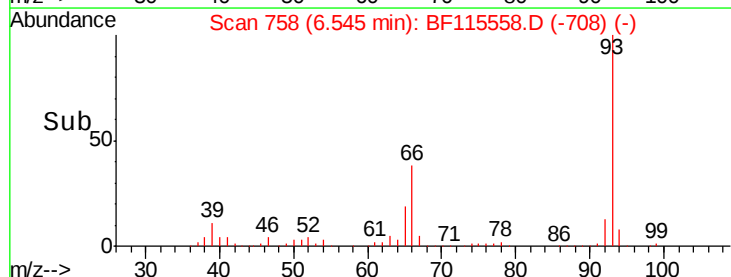
93 100

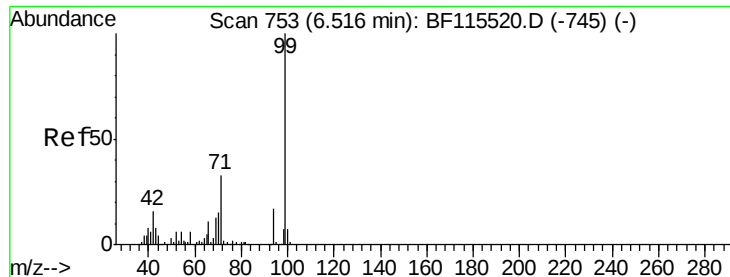
66 38.1 31.7 47.5

65 19.1 16.2 24.2



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: 126.872 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.00 min

Lab File: BF115558.D

Acq: 15 Jul 2019 16:05

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BNA\_F

ClientSampleId :

PB121261BS

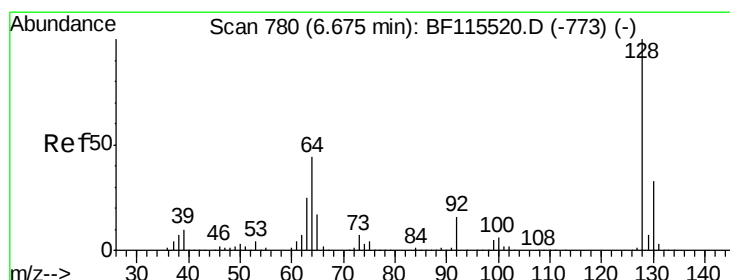
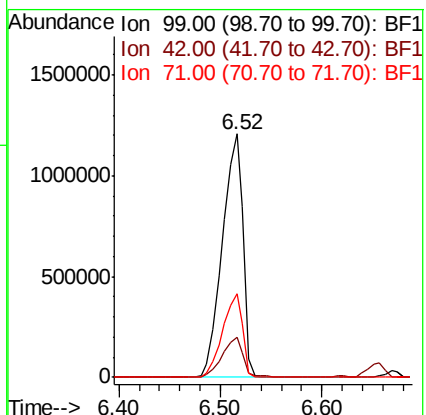
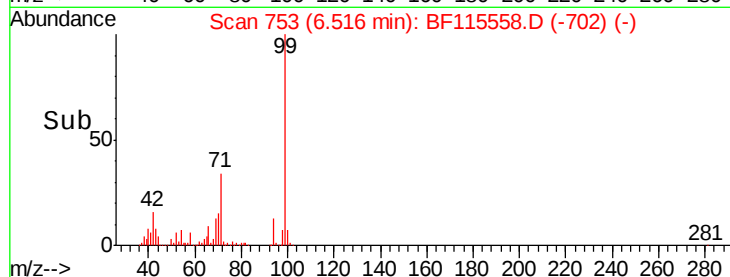
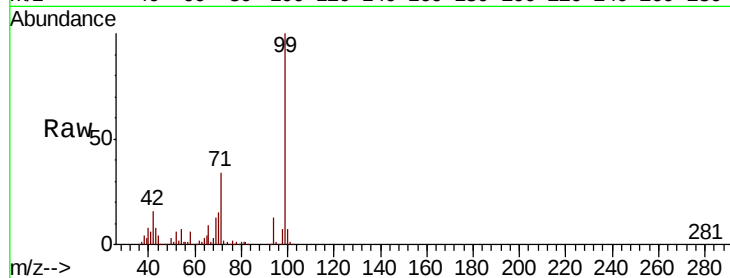
Tot Ion: 99 Resp: 1700916

Ion Ratio Lower Upper

99 100

42 16.3 13.6 20.4

71 34.4 28.5 42.7



#8

2-Chlorophenol

Concen: 44.892 ng

RT: 6.67 min Scan# 779

Delta R.T. -0.01 min

Lab File: BF115558.D

Acq: 15 Jul 2019 16:05

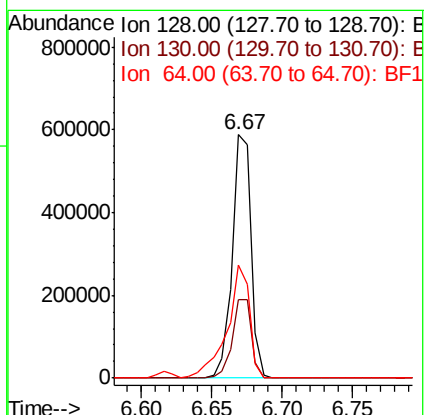
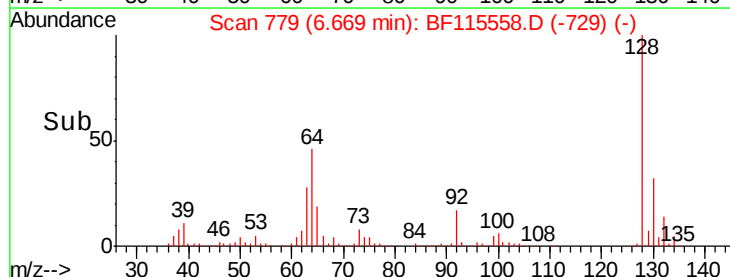
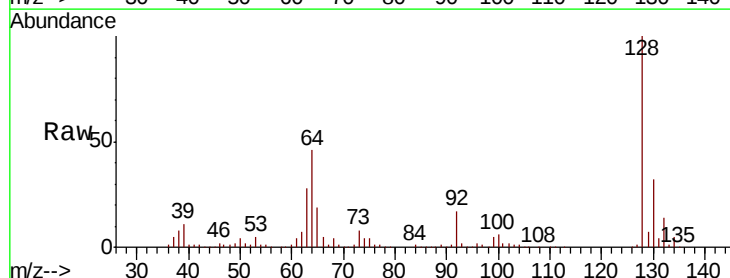
Tgt Ion: 128 Resp: 545333

Ion Ratio Lower Upper

128 100

130 32.2 12.8 52.8

64 46.3 26.8 66.8





#9

Benzaldehyde

Concen: 46.407 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF115558.D

Acq: 15 Jul 2019 16:05

Instrument :

BNA\_F

ClientSampleId :

PB121261BS

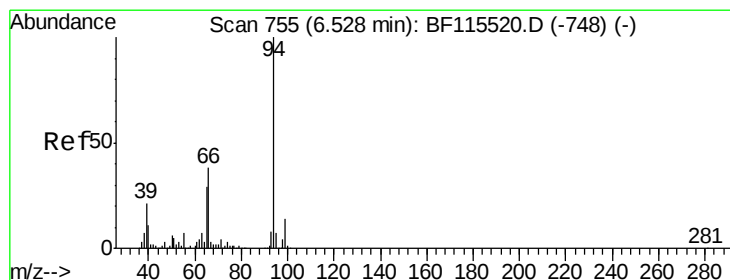
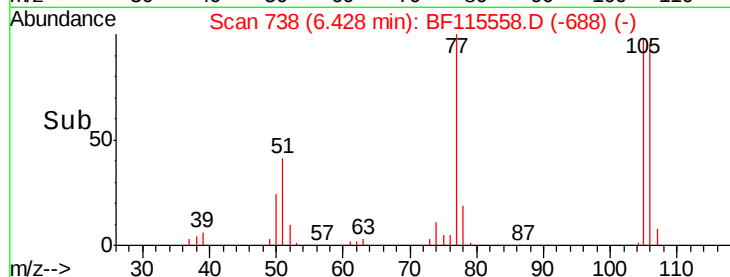
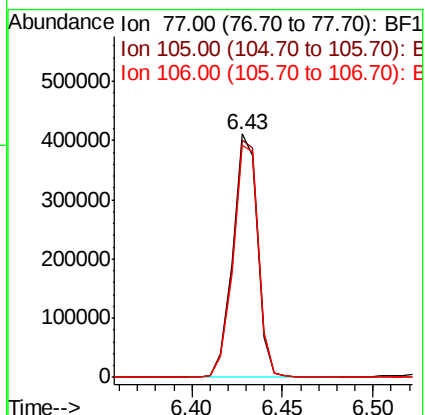
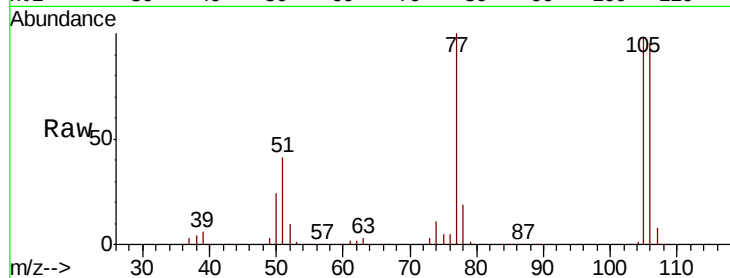
Tot Ion: 77 Resp: 388789

Ion Ratio Lower Upper

77 100

105 97.6 78.8 118.8

106 95.1 75.6 115.6



#10

Phenol

Concen: 43.224 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.00 min

Lab File: BF115558.D

Acq: 15 Jul 2019 16:05

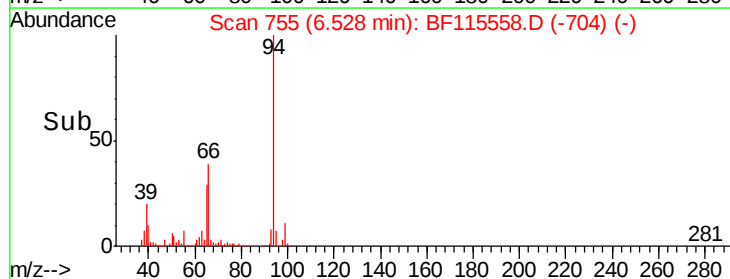
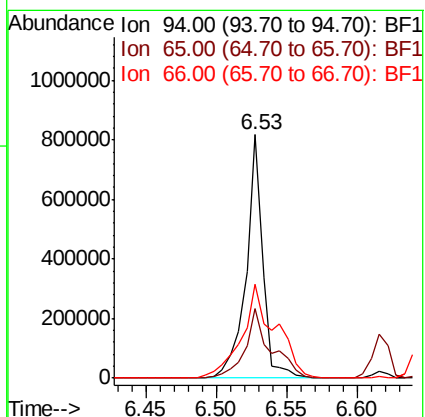
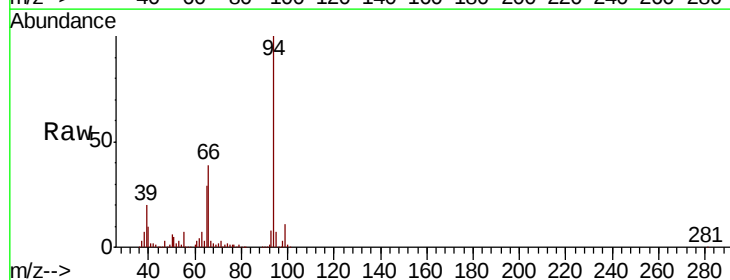
Tgt Ion: 94 Resp: 672701

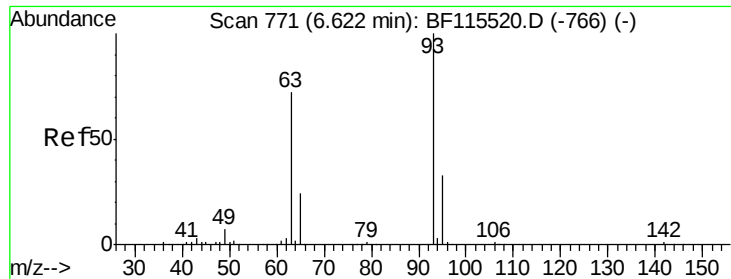
Ion Ratio Lower Upper

94 100

65 28.6 14.5 54.5

66 38.7 31.3 71.3

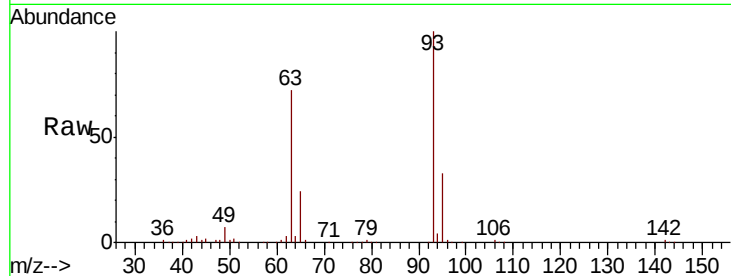




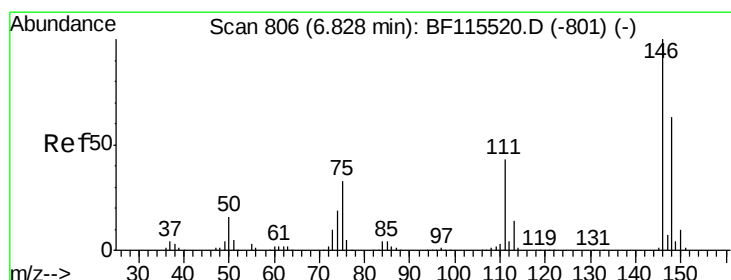
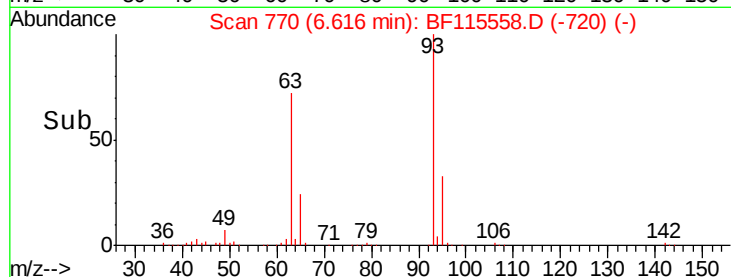
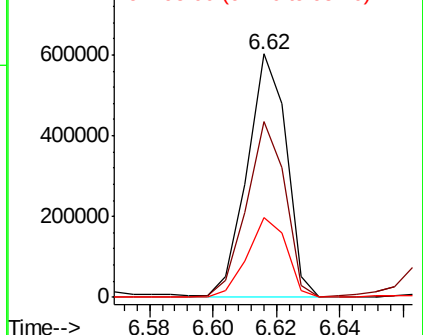
#11  
bis(2-Chloroethyl)ether  
Concen: 43.651 ng  
RT: 6.62 min Scan# 770  
Delta R.T. -0.01 min  
Lab File: BF115558.D  
Acq: 15 Jul 2019 16:05

Instrument :  
BNA\_F  
ClientSampleId :  
PB121261BS

Tot Ion: 93 Resp: 517220  
Ion Ratio Lower Upper  
93 100  
63 71.9 52.2 92.2  
95 33.0 12.9 52.9

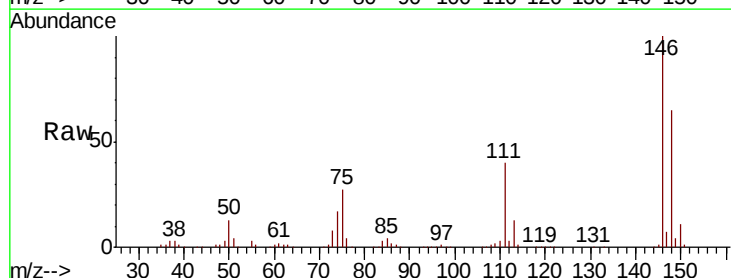


Abundance Ion 93.00 (92.70 to 93.70): BF1  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 95.00 (94.70 to 95.70): BF1

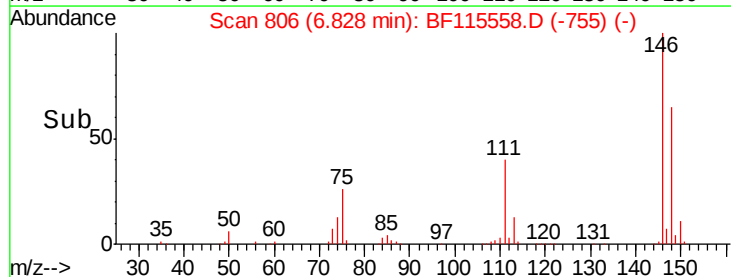
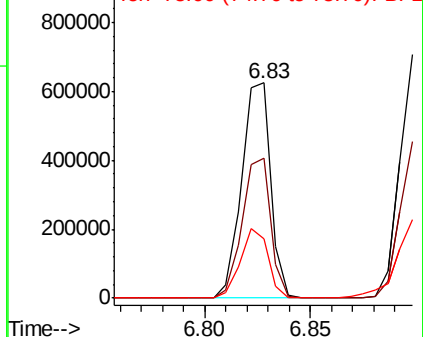


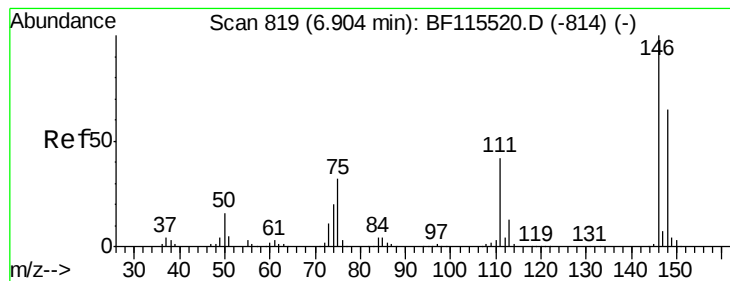
#12  
1,3-Dichlorobenzene  
Concen: 43.462 ng  
RT: 6.83 min Scan# 806  
Delta R.T. -0.00 min  
Lab File: BF115558.D  
Acq: 15 Jul 2019 16:05

Tgt Ion: 146 Resp: 593592  
Ion Ratio Lower Upper  
146 100  
148 64.8 52.1 78.1  
75 27.3 24.9 37.3



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

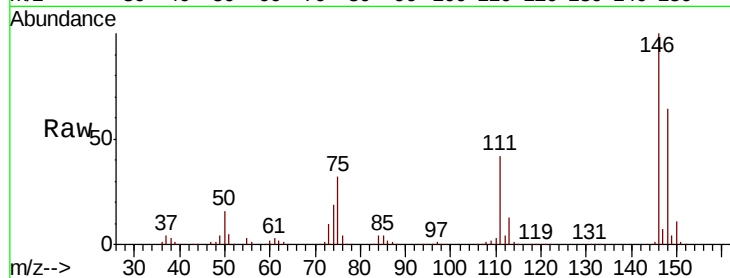




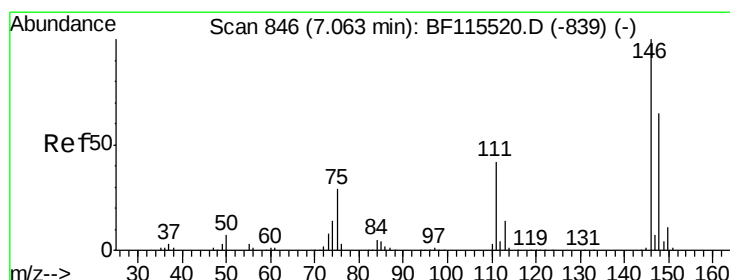
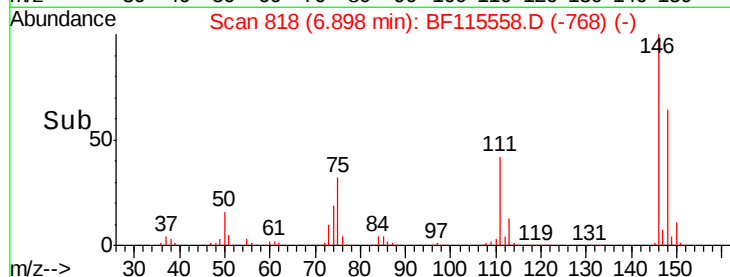
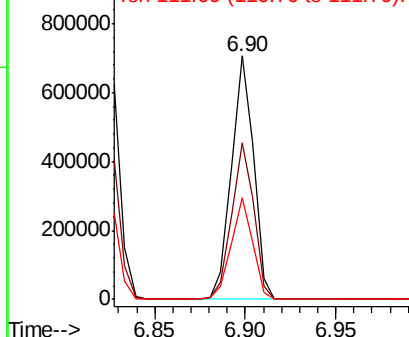
#13  
 1,4-Dichlorobenzene  
 Concen: 44.273 ng  
 RT: 6.90 min Scan# 818  
 Delta R.T. -0.01 min  
 Lab File: BF115558.D  
 Acq: 15 Jul 2019 16:05

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB121261BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 64.1  | 51.8  | 77.6  |
| 111     | 41.7  | 35.5  | 53.3  |

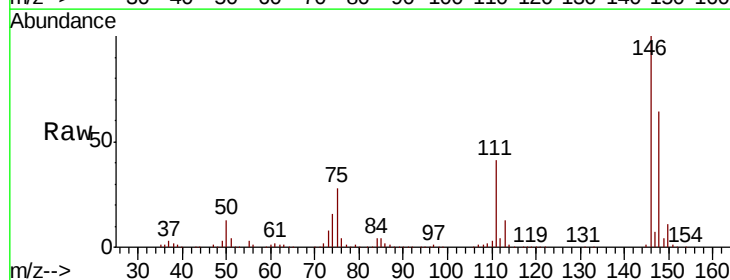


Abundance Ion 146.00 (145.70 to 146.70): E  
 Ion 148.00 (147.70 to 148.70): E  
 Ion 111.00 (110.70 to 111.70): E

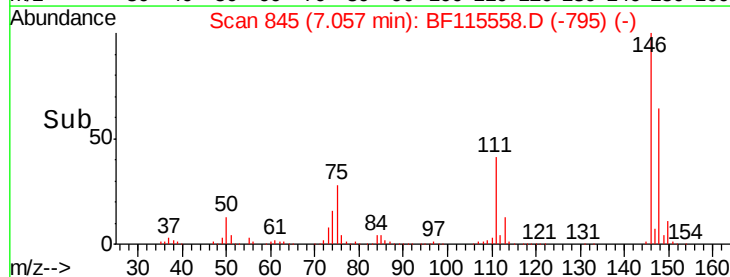
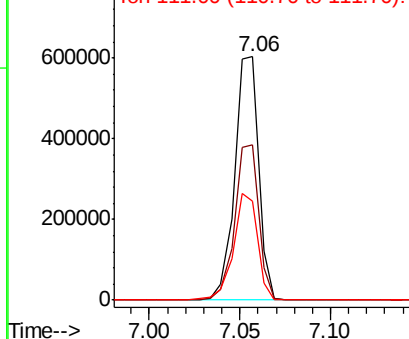


#14  
 1,2-Dichlorobenzene  
 Concen: 44.672 ng  
 RT: 7.06 min Scan# 845  
 Delta R.T. -0.01 min  
 Lab File: BF115558.D  
 Acq: 15 Jul 2019 16:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 64.0  | 51.1  | 76.7  |
| 111     | 40.6  | 37.6  | 56.4  |



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





#15

Benzyl Alcohol

Concen: 46.065 ng

RT: 7.02 min Scan# 839

Delta R.T. -0.01 min

Lab File: BF115558.D

Acq: 15 Jul 2019 16:05

Instrument :

BNA\_F

ClientSampleId :

PB121261BS

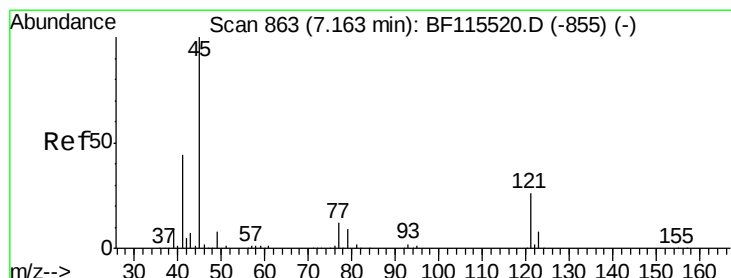
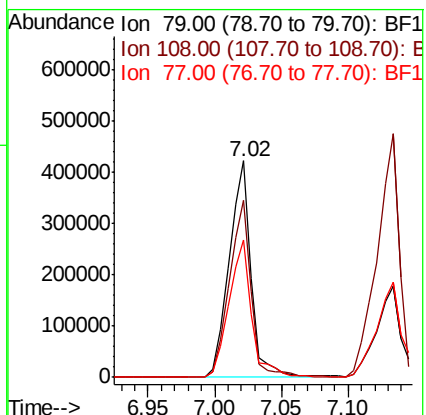
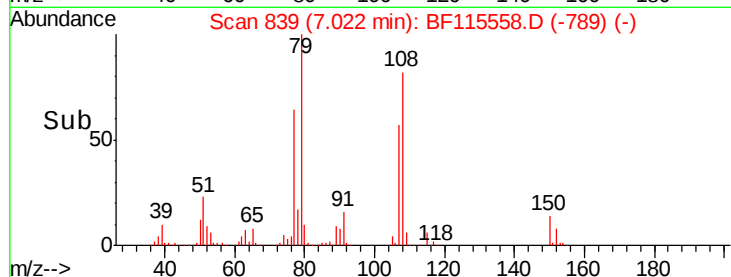
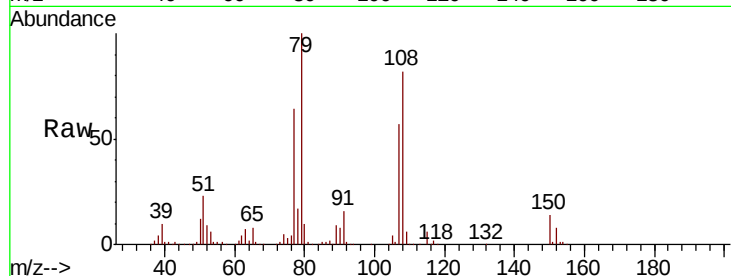
Tot Ion: 79 Resp: 489906

Ion Ratio Lower Upper

79 100

108 81.8 64.2 96.4

77 63.7 51.8 77.8



#16

2,2'-oxybis(1-chloropropane)

Concen: 44.089 ng

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: BF115558.D

Acq: 15 Jul 2019 16:05

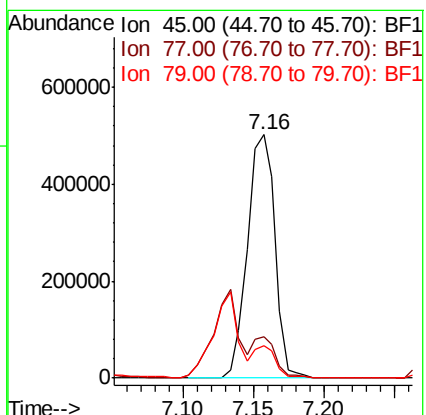
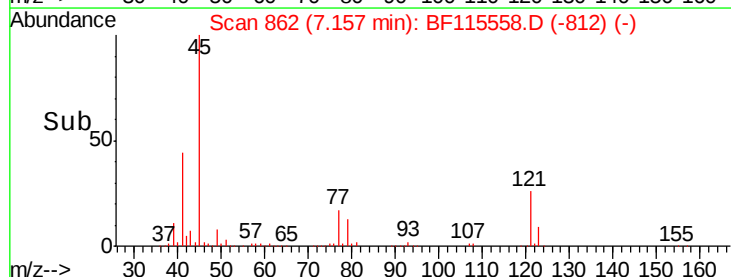
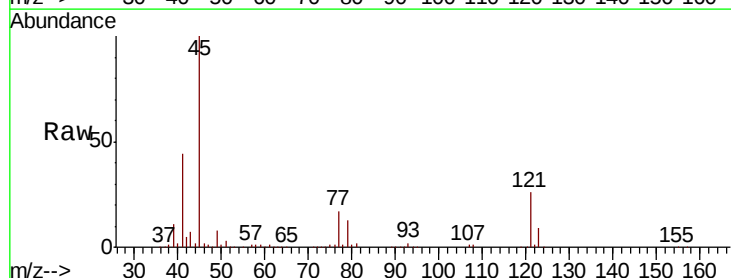
Tgt Ion: 45 Resp: 687784

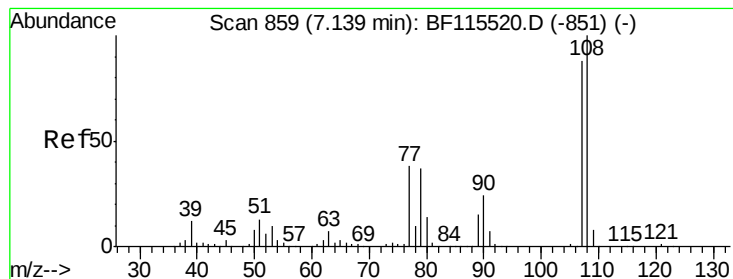
Ion Ratio Lower Upper

45 100

77 17.2 0.0 38.1

79 13.1 0.0 34.1





#17

2-Methylphenol

Concen: 45.450 ng

RT: 7.13 min Scan# 858

Delta R.T. -0.01 min

Lab File: BF115558.D

Acq: 15 Jul 2019 16:05

Instrument :

BNA\_F

ClientSampleId :

PB121261BS

Tot Ion:107 Resp: 475800

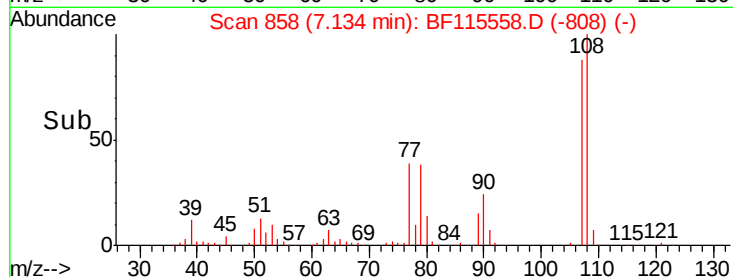
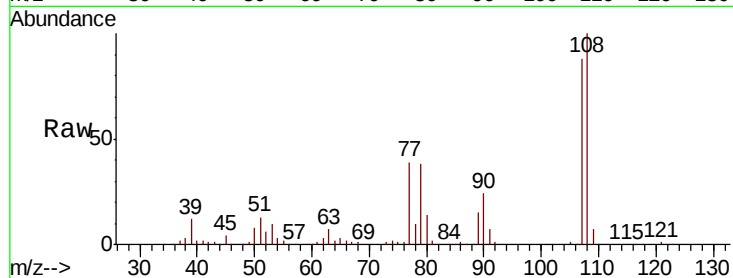
Ion Ratio Lower Upper

107 100

108 113.6 89.4 134.2

77 44.1 35.7 53.5

79 42.8 35.0 52.4

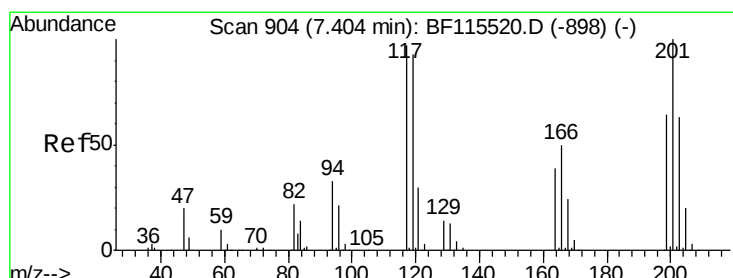
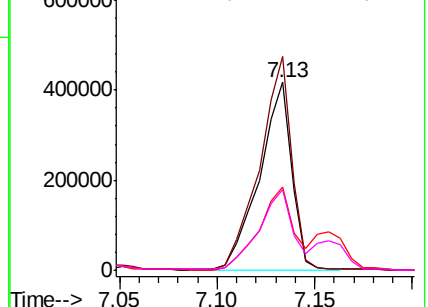


Abundance Ion 107.00 (106.70 to 107.70): E

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: 43.979 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF115558.D

Acq: 15 Jul 2019 16:05

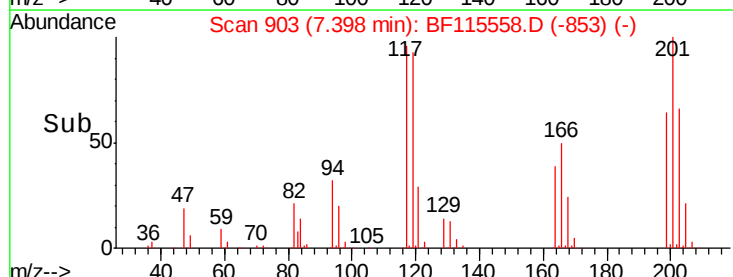
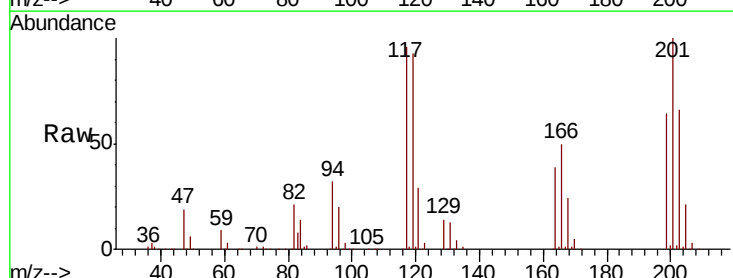
Tgt Ion:117 Resp: 222444

Ion Ratio Lower Upper

117 100

119 96.2 77.7 116.5

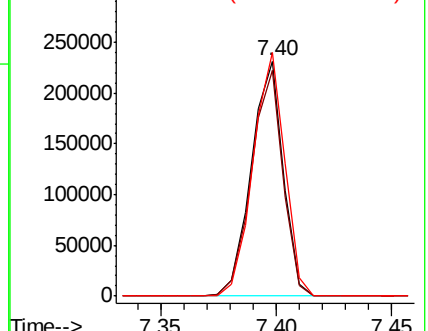
201 103.7 86.0 129.0

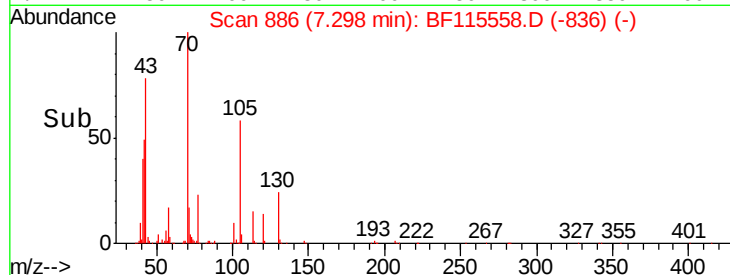
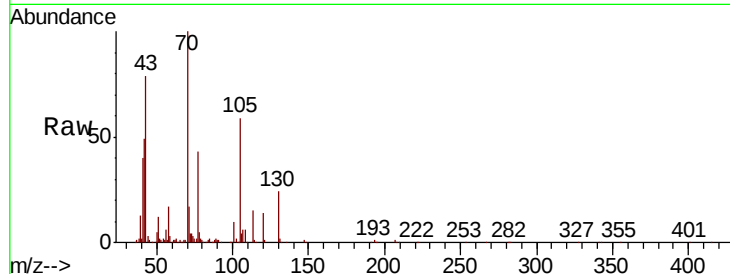
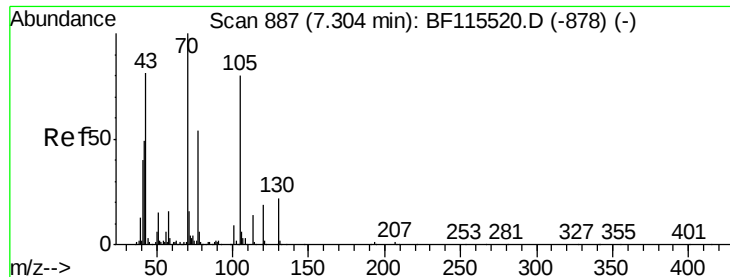


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

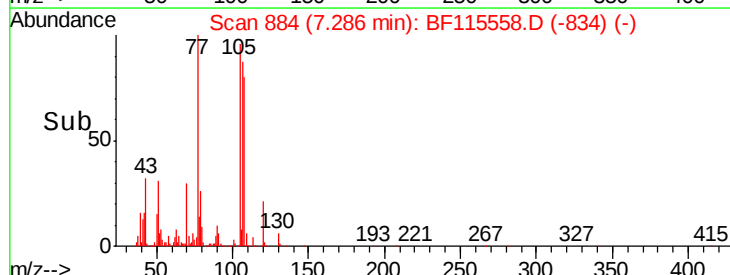
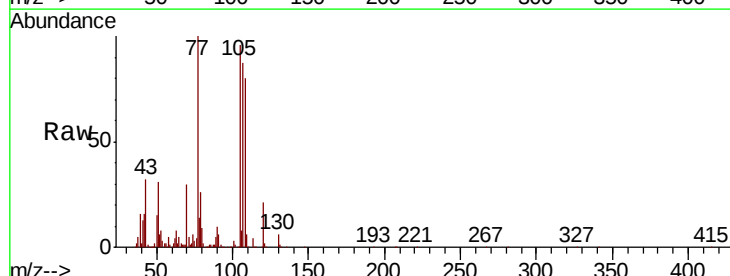
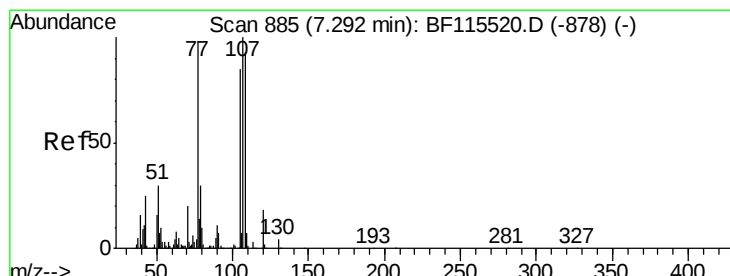
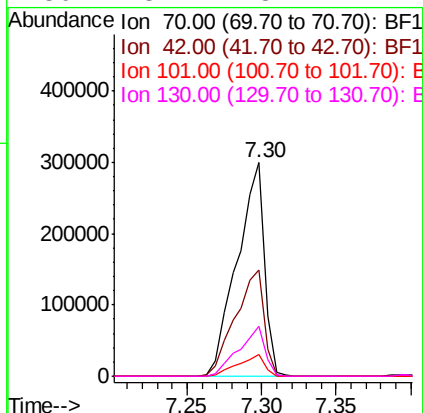




#19  
n-Nitroso-di-n-propylamine  
Concen: 43.683 ng  
RT: 7.30 min Scan# 886  
Delta R.T. -0.01 min  
Lab File: BF115558.D  
Acq: 15 Jul 2019 16:05

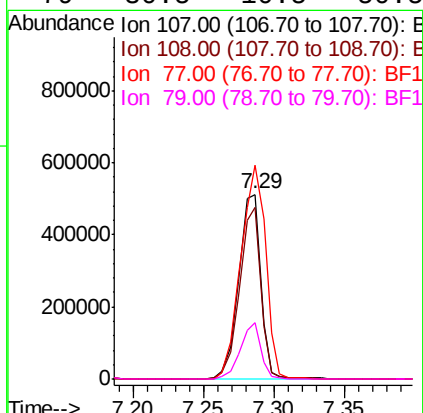
Instrument :  
BNA\_F  
ClientSampleId :  
PB121261BS

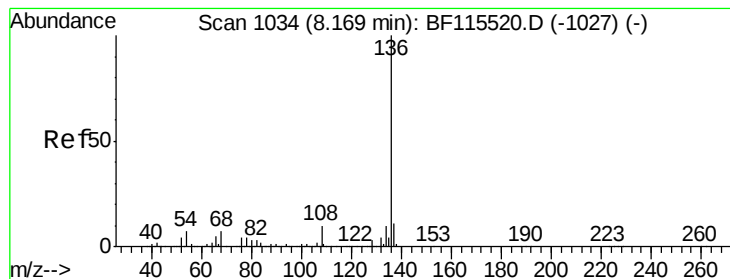
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 70    | Resp: | 381946 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 49.5  | 39.6  | 59.4   |
| 101      | 10.2  | 8.1   | 12.1   |
| 130      | 23.7  | 18.2  | 27.2   |



#20  
3+4-Methylphenols  
Concen: 44.807 ng  
RT: 7.29 min Scan# 884  
Delta R.T. -0.01 min  
Lab File: BF115558.D  
Acq: 15 Jul 2019 16:05

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 557164 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 92.8  | 72.9  | 112.9  |
| 77       | 115.5 | 77.6  | 117.6  |
| 79       | 30.5  | 10.5  | 50.5   |





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF115558.D

Acq: 15 Jul 2019 16:05

Instrument :

BNA\_F

ClientSampleId :

PB121261BS

Tot Ion:136 Resp: 684926

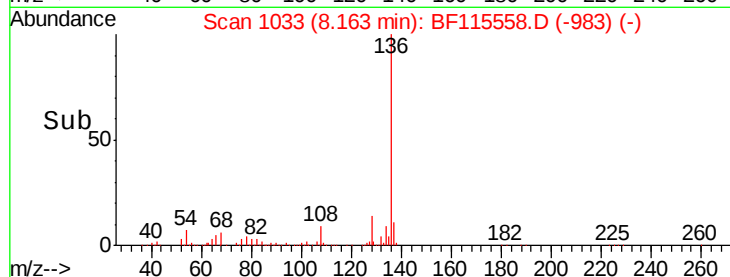
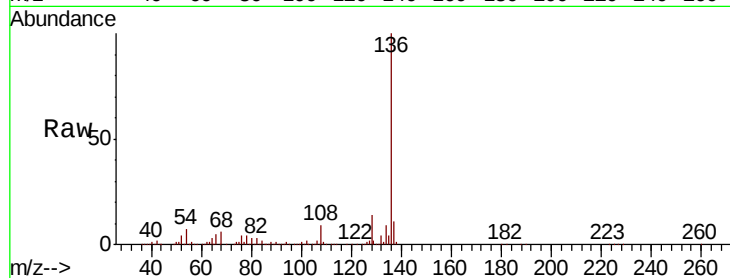
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.4

54 6.7 5.6 8.4

68 6.0 5.0 7.6

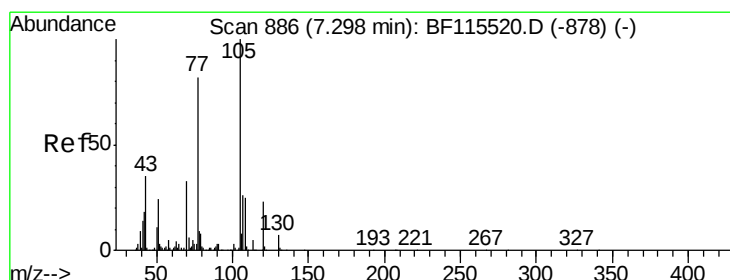
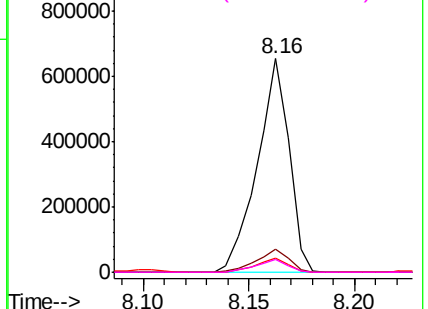


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 47.931 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.01 min

Lab File: BF115558.D

Acq: 15 Jul 2019 16:05

Tgt Ion:105 Resp: 741660

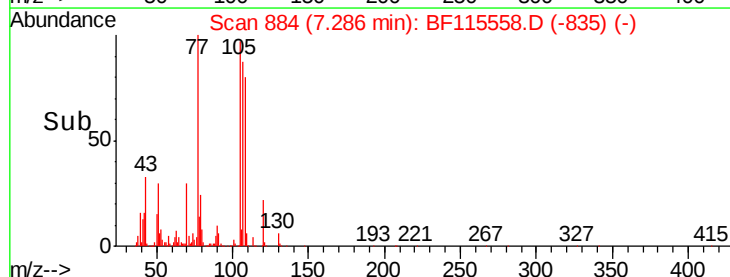
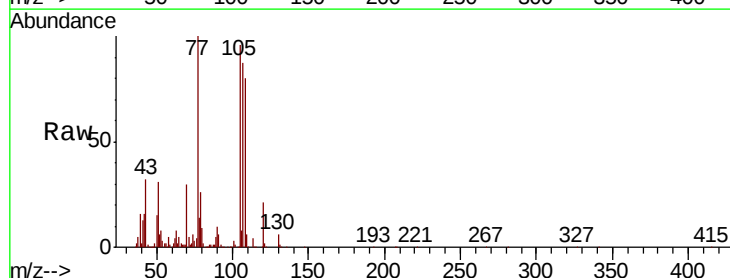
Ion Ratio Lower Upper

105 100

71 5.2 3.5 5.3

51 32.0 25.6 38.4

120 22.5 17.9 26.9

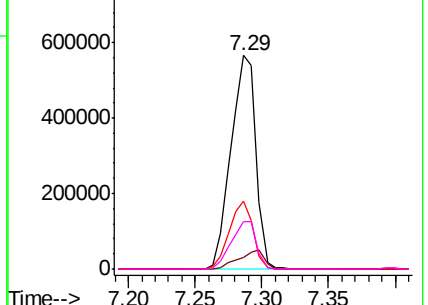


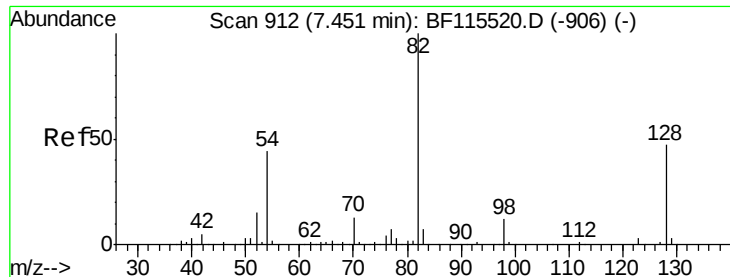
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

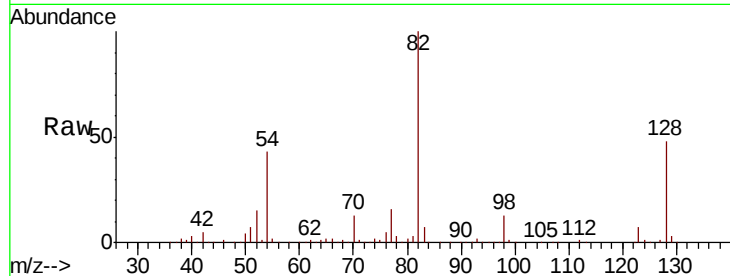




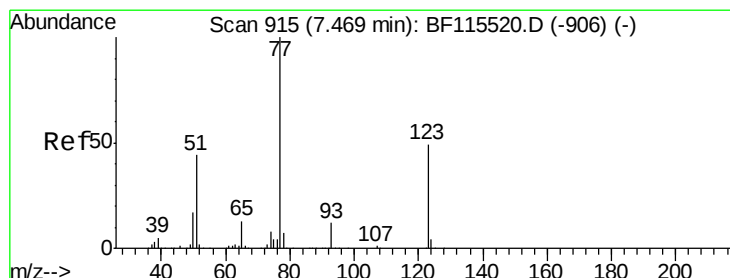
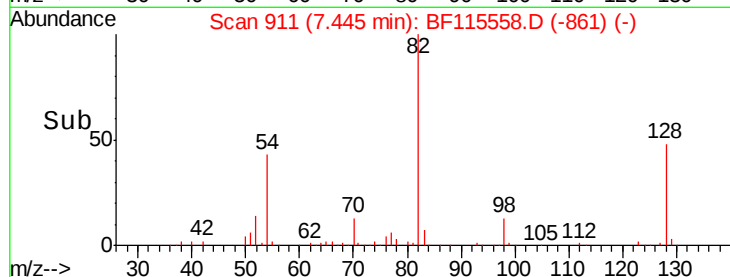
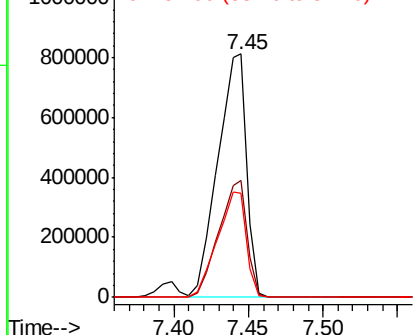
#23  
 Nitrobenzene-d5  
 Concen: 93.330 ng  
 RT: 7.45 min Scan# 911  
 Delta R.T. -0.01 min  
 Lab File: BF115558.D  
 Acq: 15 Jul 2019 16:05

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB121261BS

Tot Ion: 82 Resp: 1099361  
 Ion Ratio Lower Upper  
 82 100  
 128 48.1 38.6 57.8  
 54 42.6 35.6 53.4

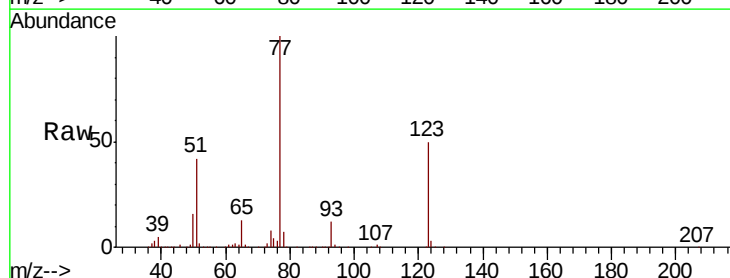


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

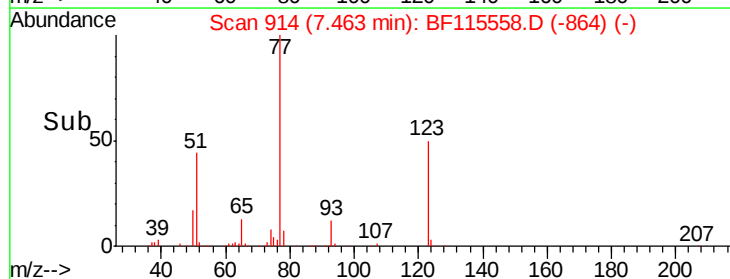
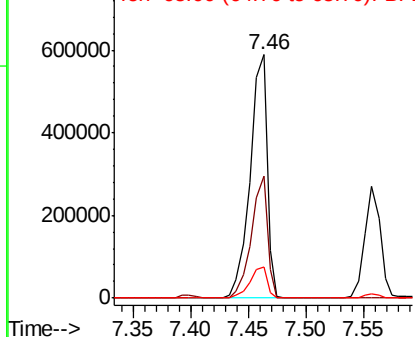


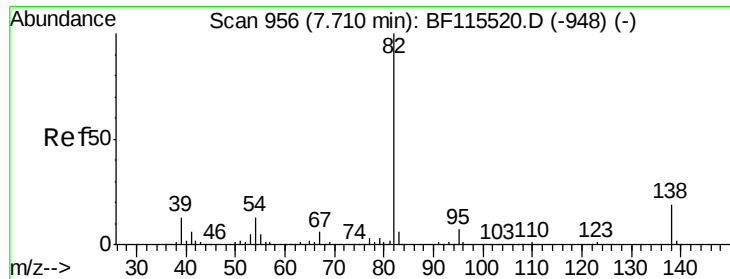
#24  
 Nitrobenzene  
 Concen: 47.508 ng  
 RT: 7.46 min Scan# 914  
 Delta R.T. -0.01 min  
 Lab File: BF115558.D  
 Acq: 15 Jul 2019 16:05

Tgt Ion: 77 Resp: 603585  
 Ion Ratio Lower Upper  
 77 100  
 123 50.2 40.0 60.0  
 65 12.7 11.0 16.4



Abundance Ion 77.00 (76.70 to 77.70): BF1  
 Ion 123.00 (122.70 to 123.70): BF1  
 Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 47.015 ng

RT: 7.70 min Scan# 955

Delta R.T. -0.01 min

Lab File: BF115558.D

Acq: 15 Jul 2019 16:05

Instrument :

BNA\_F

ClientSampled :

PB121261BS

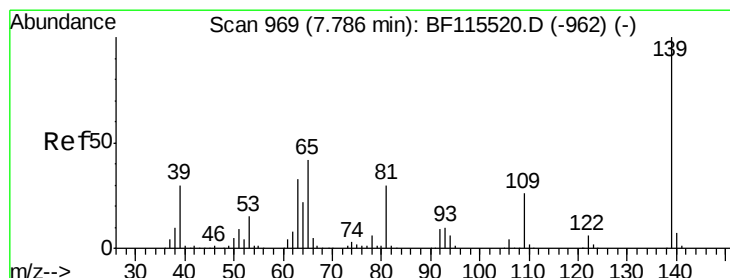
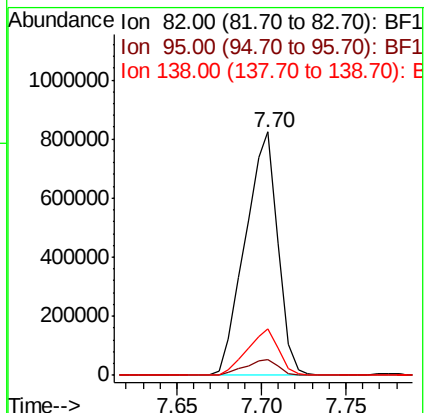
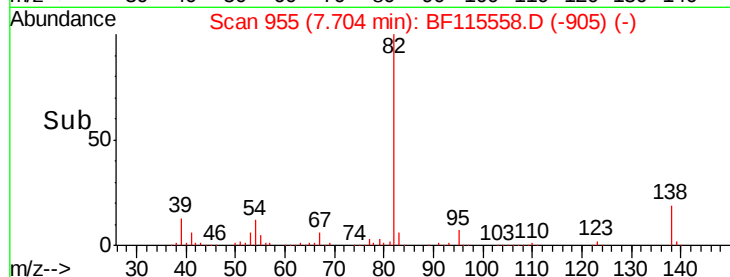
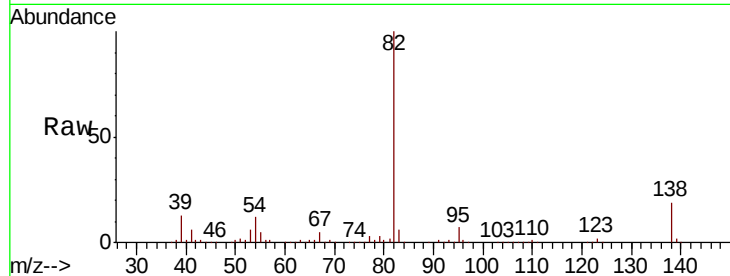
Tot Ion: 82 Resp: 1108174

Ion Ratio Lower Upper

82 100

95 6.7 5.5 8.3

138 18.9 14.9 22.3



#26

2-Nitrophenol

Concen: 49.036 ng

RT: 7.77 min Scan# 967

Delta R.T. -0.01 min

Lab File: BF115558.D

Acq: 15 Jul 2019 16:05

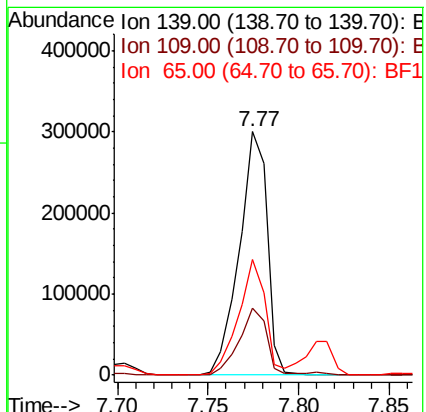
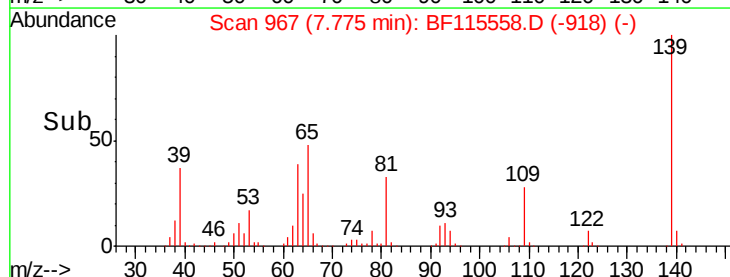
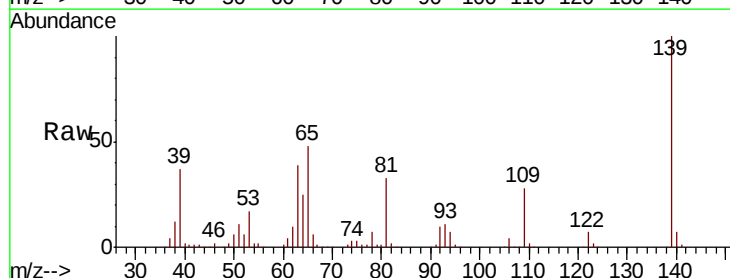
Tgt Ion: 139 Resp: 320669

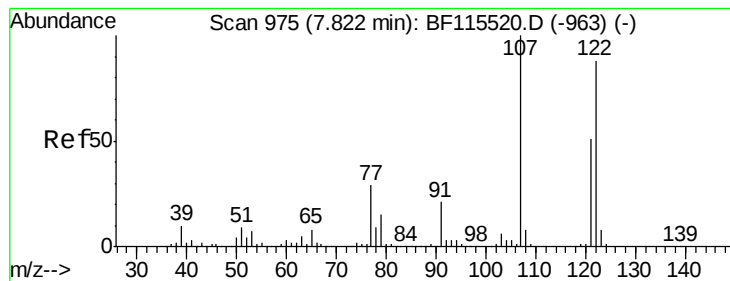
Ion Ratio Lower Upper

139 100

109 27.7 23.3 34.9

65 47.7 37.9 56.9





#27

2,4-Dimethylphenol

Concen: 54.262 ng

RT: 7.82 min Scan# 974

Delta R.T. -0.01 min

Lab File: BF115558.D

Acq: 15 Jul 2019 16:05

Instrument :

BNA\_F

ClientSampleId :

PB121261BS

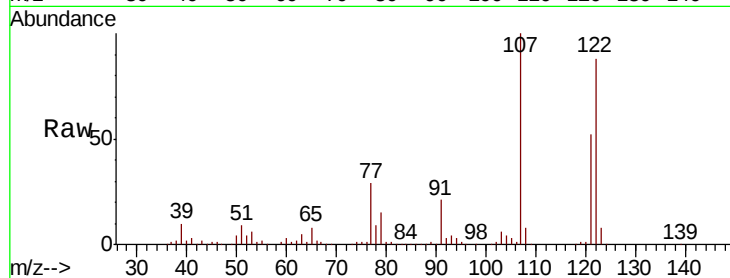
Tot Ion:122 Resp: 530933

Ion Ratio Lower Upper

122 100

107 113.9 92.9 139.3

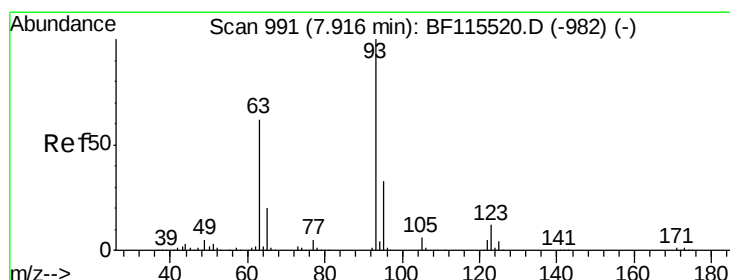
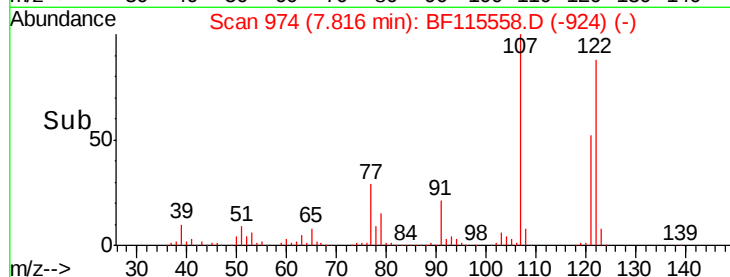
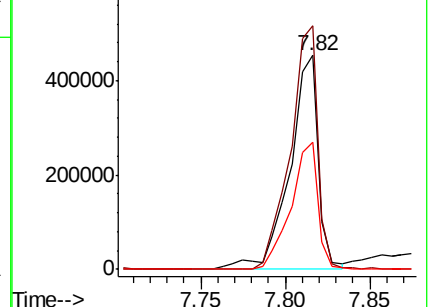
121 59.7 46.9 70.3



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: 47.464 ng

RT: 7.91 min Scan# 990

Delta R.T. -0.01 min

Lab File: BF115558.D

Acq: 15 Jul 2019 16:05

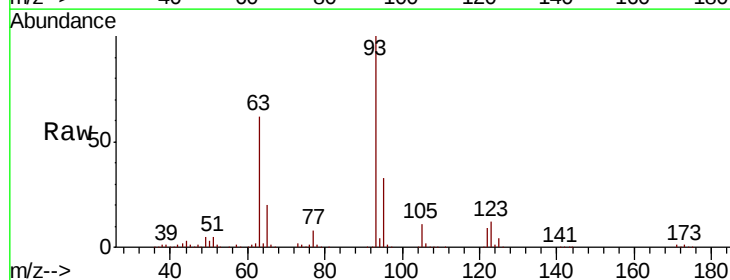
Tgt Ion: 93 Resp: 686330

Ion Ratio Lower Upper

93 100

95 33.0 27.0 40.4

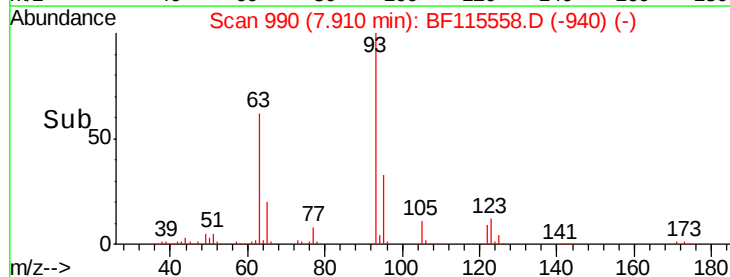
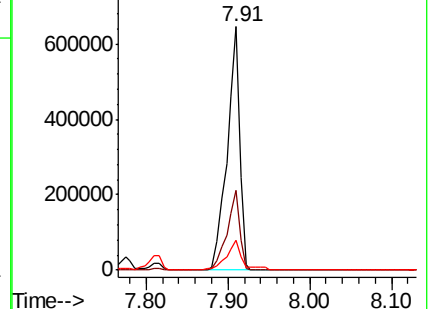
123 12.1 9.9 14.9

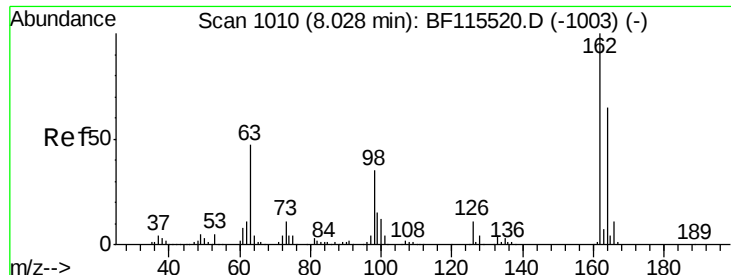


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

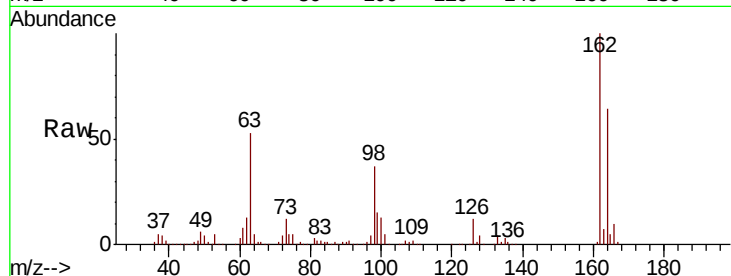




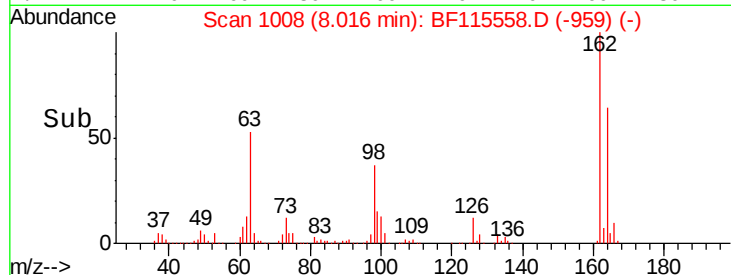
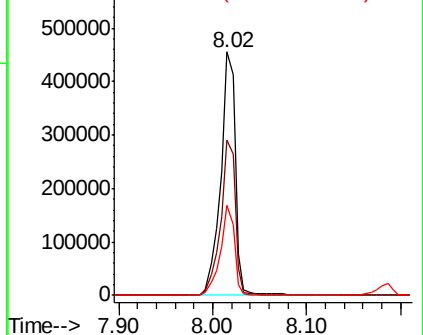
#29  
 2,4-Dichlorophenol  
 Concen: 49.084 ng  
 RT: 8.02 min Scan# 1008  
 Delta R.T. -0.01 min  
 Lab File: BF115558.D  
 Acq: 15 Jul 2019 16:05

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB121261BS

Tot Ion:162 Resp: 499480  
 Ion Ratio Lower Upper  
 162 100  
 164 63.6 44.9 84.9  
 98 37.1 17.7 57.7

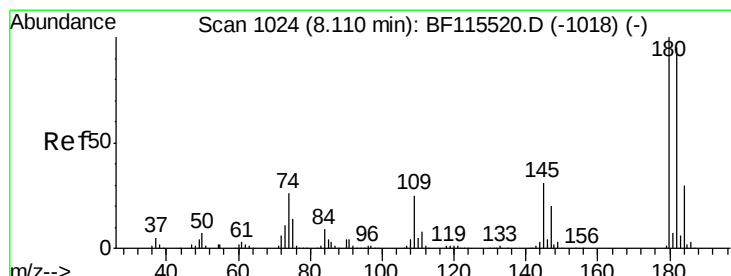


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 164.00 (163.70 to 164.70): E  
 Ion 98.00 (97.70 to 98.70): BF1

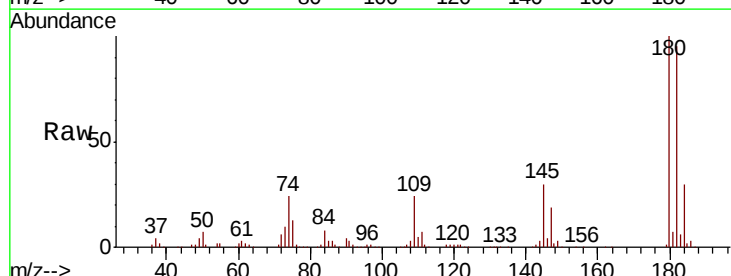
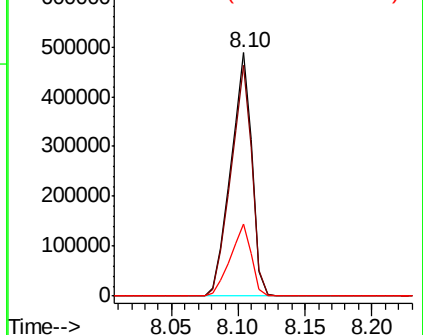


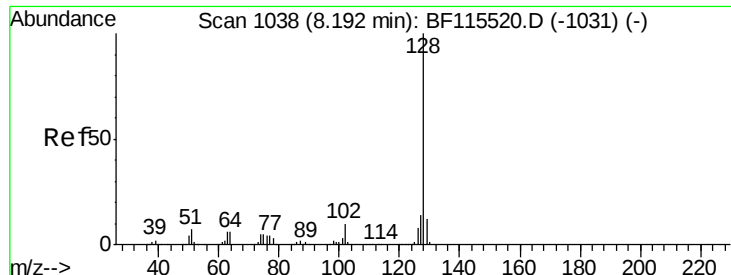
#30  
 1,2,4-Trichlorobenzene  
 Concen: 47.094 ng  
 RT: 8.10 min Scan# 1023  
 Delta R.T. -0.01 min  
 Lab File: BF115558.D  
 Acq: 15 Jul 2019 16:05

Tgt Ion:180 Resp: 541708  
 Ion Ratio Lower Upper  
 180 100  
 182 94.5 75.0 112.6  
 145 29.8 25.1 37.7



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

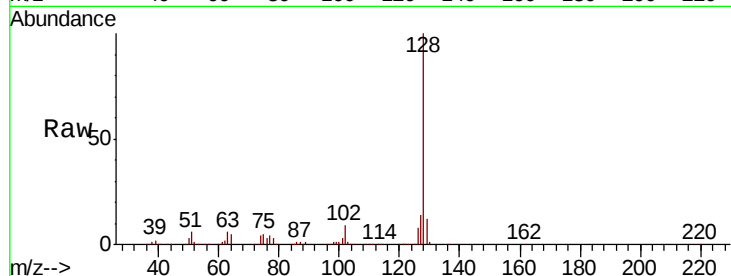




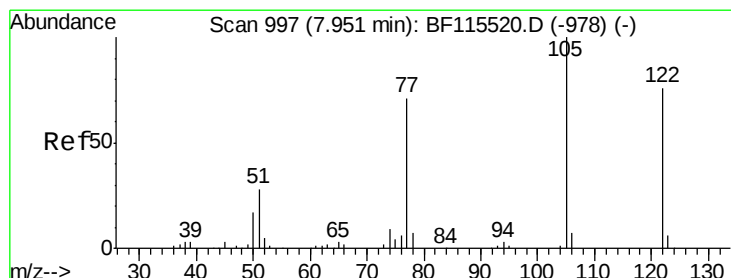
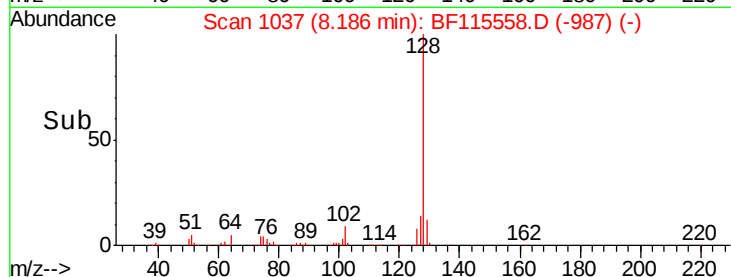
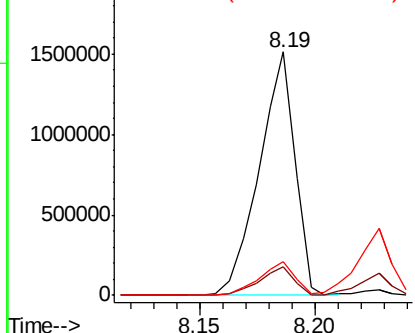
#31  
Naphthalene  
Concen: 49.017 ng  
RT: 8.19 min Scan# 1037  
Delta R.T. -0.01 min  
Lab File: BF115558.D  
Acq: 15 Jul 2019 16:05

Instrument :  
BNA\_F  
ClientSampleId :  
PB121261BS

Tot Ion:128 Resp: 1625947  
Ion Ratio Lower Upper  
128 100  
129 11.5 9.9 14.9  
127 13.9 12.1 18.1

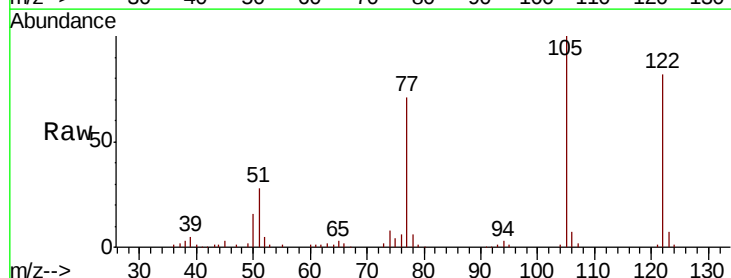


Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E

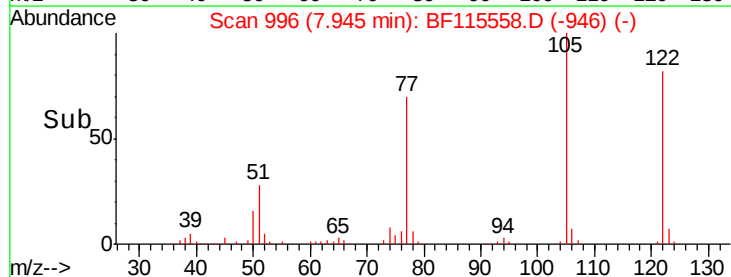
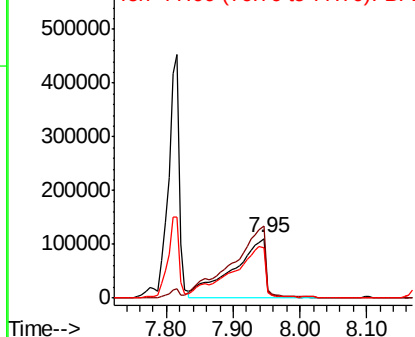


#32  
Benzoic acid  
Concen: 46.615 ng  
RT: 7.95 min Scan# 996  
Delta R.T. -0.01 min  
Lab File: BF115558.D  
Acq: 15 Jul 2019 16:05

Tgt Ion:122 Resp: 374314  
Ion Ratio Lower Upper  
122 100  
105 121.2 102.5 142.5  
77 85.7 70.2 110.2



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

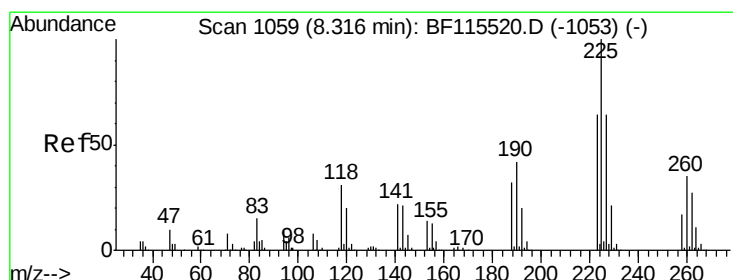
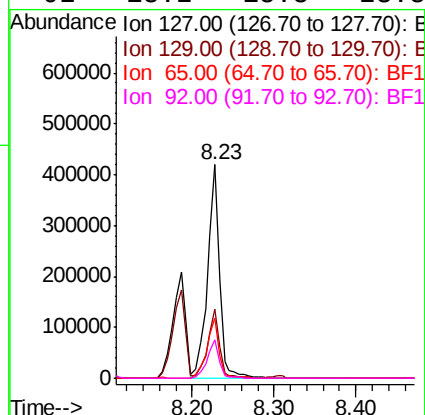
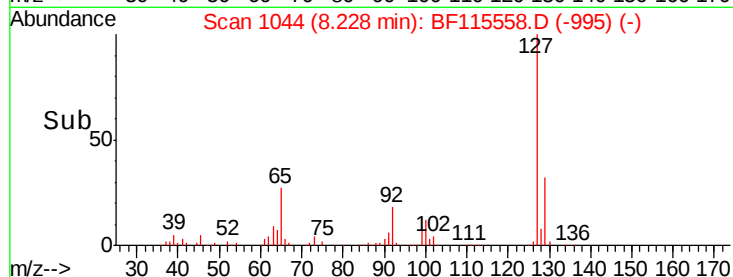
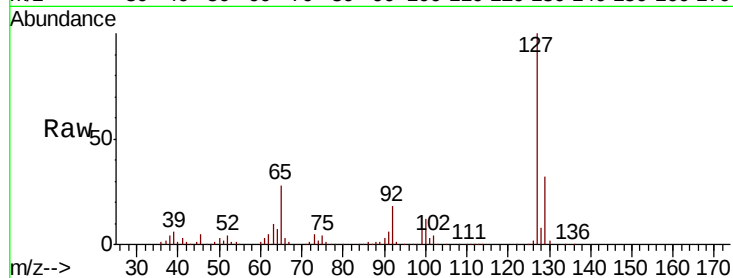




#33  
4-Chloroaniline  
Concen: 29.184 ng  
RT: 8.23 min Scan# 1044  
Delta R.T. -0.01 min  
Lab File: BF115558.D  
Acq: 15 Jul 2019 16:05

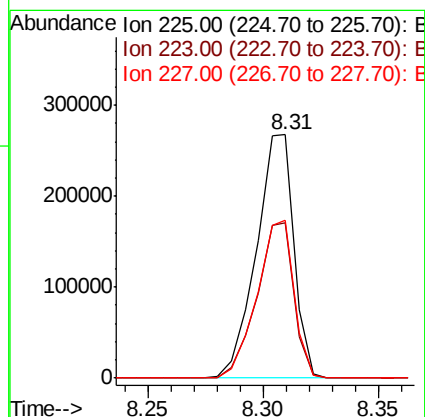
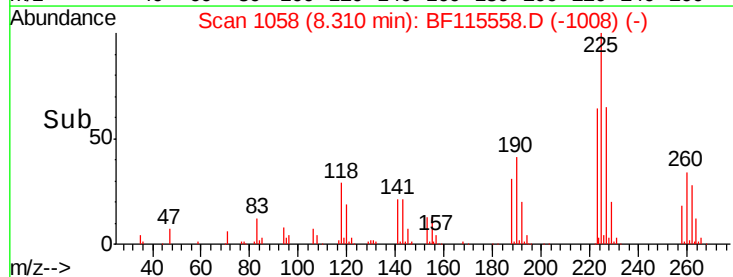
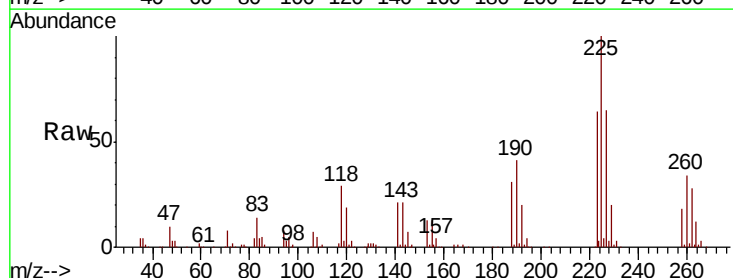
Instrument :  
BNA\_F  
ClientSampleId :  
PB121261BS

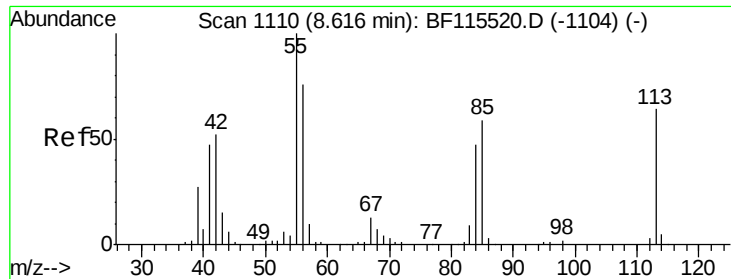
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 127   | Resp: | 428806 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 32.3  | 26.6  | 39.8   |
| 65       | 28.0  | 23.7  | 35.5   |
| 92       | 18.2  | 15.8  | 23.8   |



#34  
Hexachlorobutadiene  
Concen: 46.018 ng  
RT: 8.31 min Scan# 1058  
Delta R.T. -0.01 min  
Lab File: BF115558.D  
Acq: 15 Jul 2019 16:05

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 303548 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 63.7  | 50.9  | 76.3   |
| 227      | 64.8  | 50.7  | 76.1   |





#35

Caprolactam

Concen: 50.502 ng/mL

RT: 8.60 min Scan# 1108

Delta R.T. -0.01 min

Lab File: BF115558.D

Acq: 15 Jul 2019 16:05

Instrument :

BNA\_F

ClientSampleId :

PB121261BS

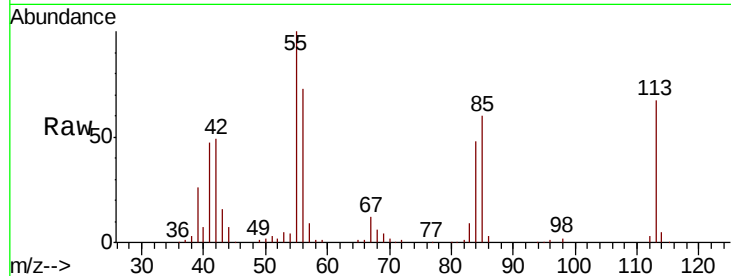
Tot Ion:113 Resp: 158803

Ion Ratio Lower Upper

113 100

55 148.7 126.9 166.9

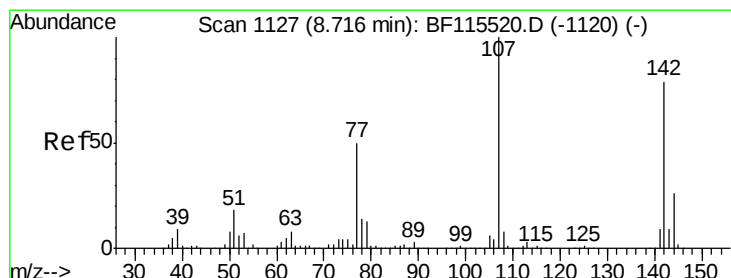
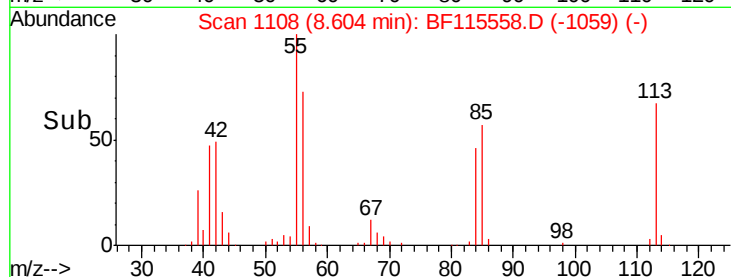
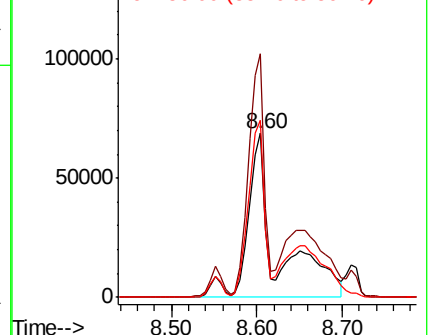
56 108.2 90.3 130.3



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: 48.669 ng/mL

RT: 8.71 min Scan# 1126

Delta R.T. -0.01 min

Lab File: BF115558.D

Acq: 15 Jul 2019 16:05

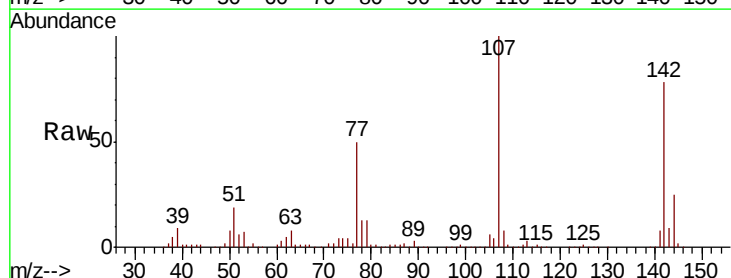
Tgt Ion:107 Resp: 513729

Ion Ratio Lower Upper

107 100

144 25.2 20.6 30.8

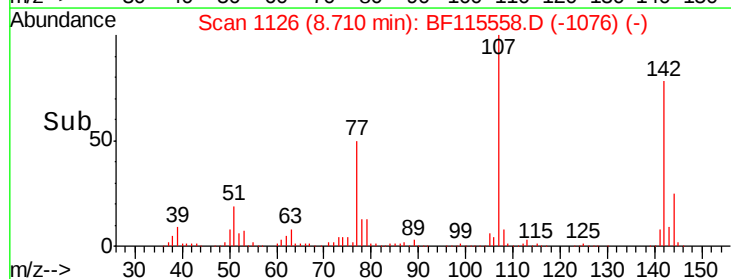
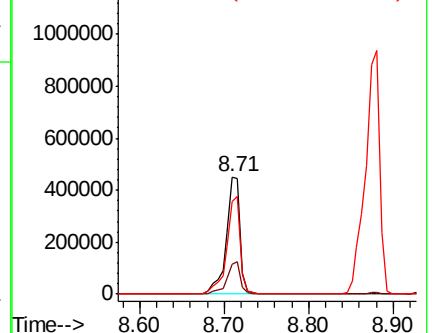
142 78.4 63.1 94.7

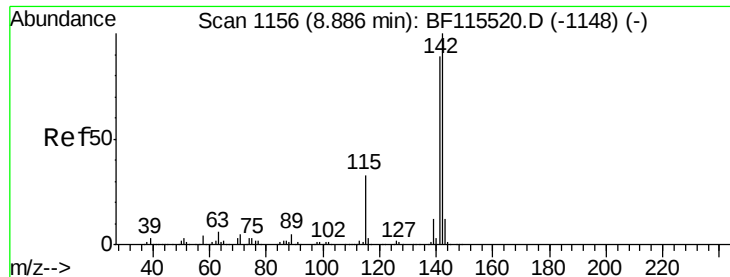


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

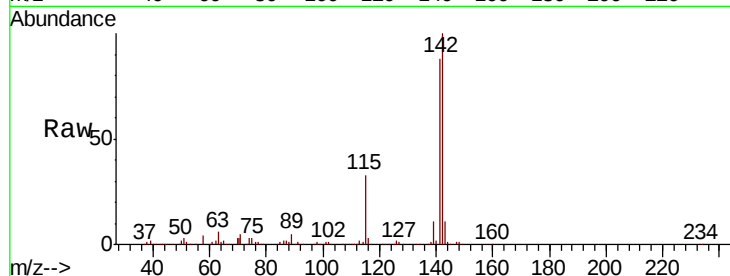




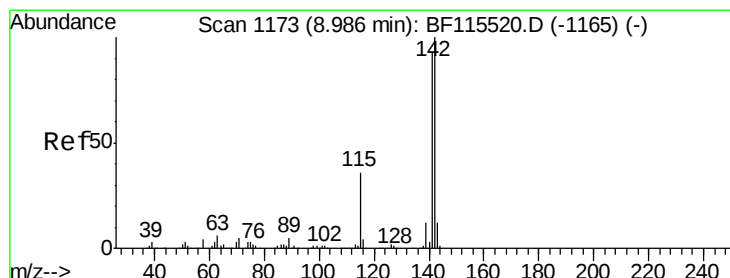
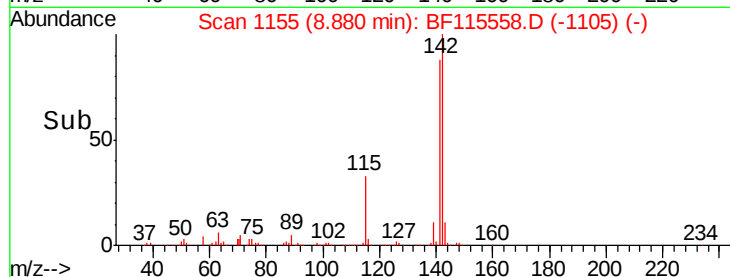
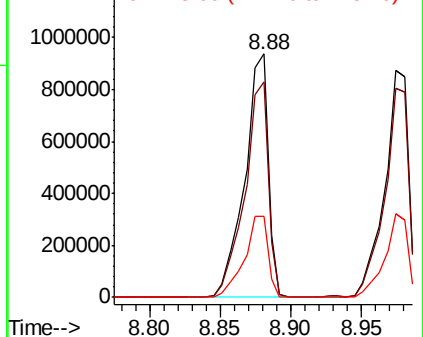
#37  
2-Methylnaphthalene  
Concen: 50.093 ng  
RT: 8.88 min Scan# 1155  
Delta R.T. -0.01 min  
Lab File: BF115558.D  
Acq: 15 Jul 2019 16:05

Instrument :  
BNA\_F  
ClientSampleId :  
PB121261BS

Tot Ion:142 Resp: 1101457  
Ion Ratio Lower Upper  
142 100  
141 88.3 72.0 108.0  
115 33.2 29.9 44.9

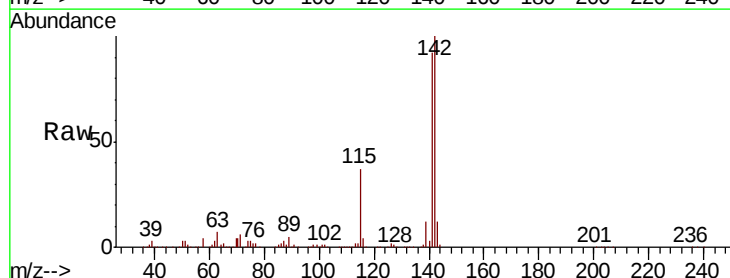


Abundance Ion 142.00 (141.70 to 142.70): E  
Ion 141.00 (140.70 to 141.70): E  
Ion 115.00 (114.70 to 115.70): E

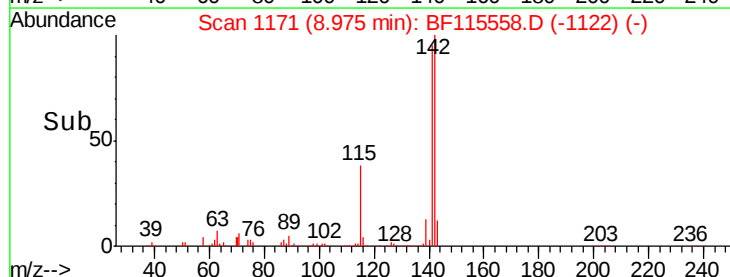
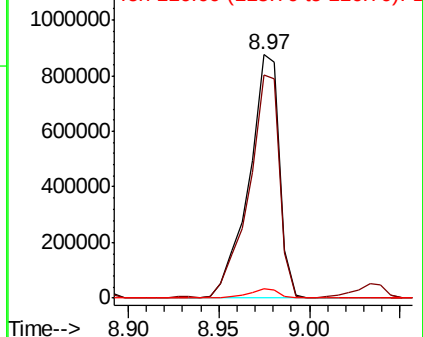


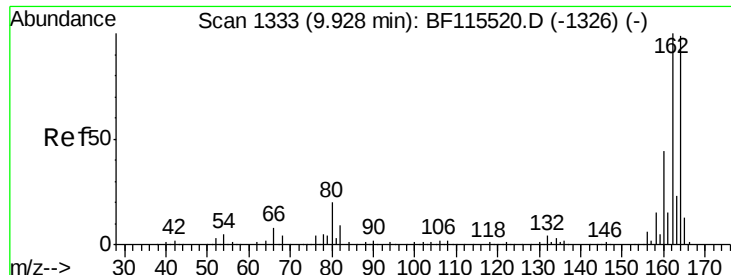
#38  
1-Methylnaphthalene  
Concen: 49.104 ng  
RT: 8.97 min Scan# 1171  
Delta R.T. -0.01 min  
Lab File: BF115558.D  
Acq: 15 Jul 2019 16:05

Tgt Ion:142 Resp: 1025547  
Ion Ratio Lower Upper  
142 100  
141 91.7 75.3 112.9  
116 3.9 3.3 4.9



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

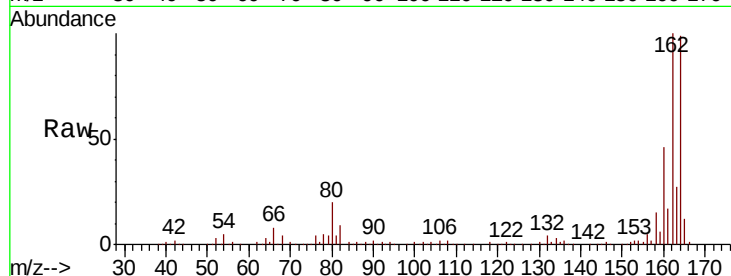




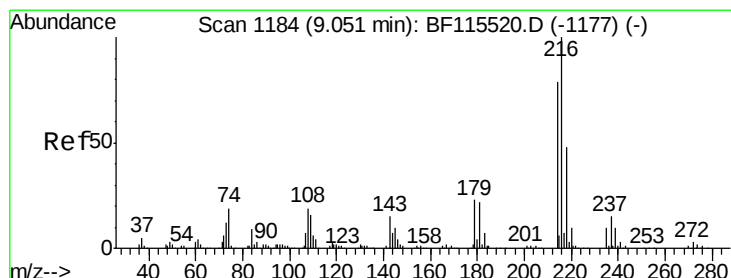
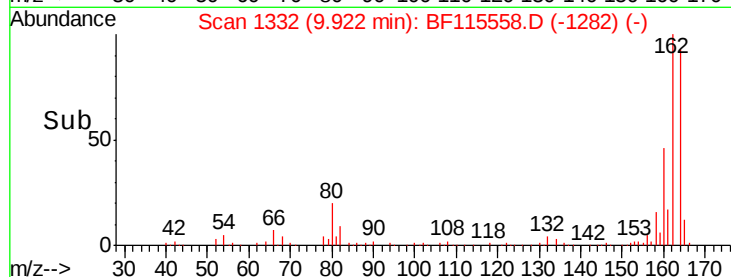
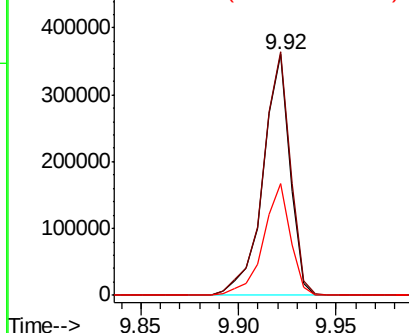
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.92 min Scan# 1332  
Delta R.T. -0.01 min  
Lab File: BF115558.D  
Acq: 15 Jul 2019 16:05

Instrument :  
BNA\_F  
ClientSampleId :  
PB121261BS

Tot Ion:164 Resp: 344300  
Ion Ratio Lower Upper  
164 100  
162 101.2 82.9 124.3  
160 46.3 36.8 55.2

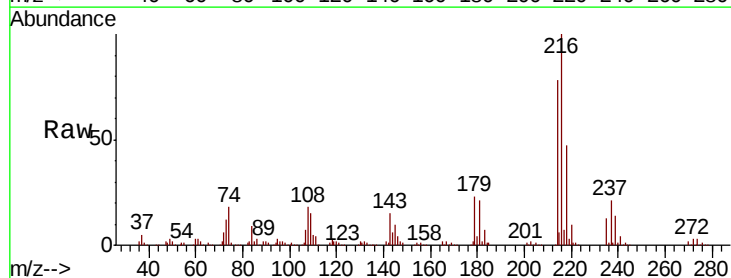


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

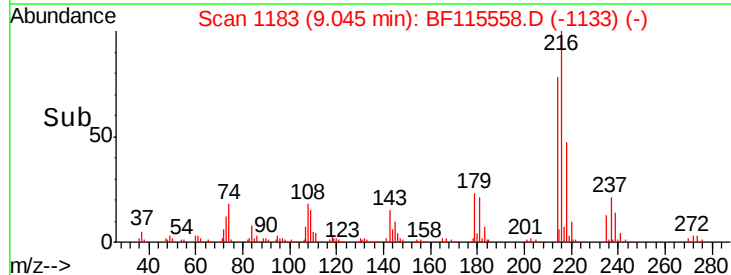
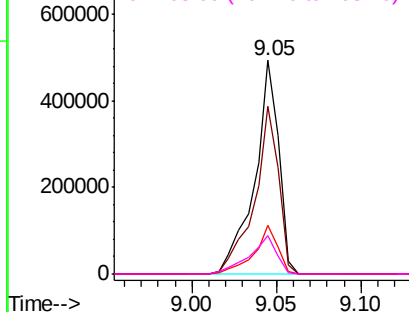


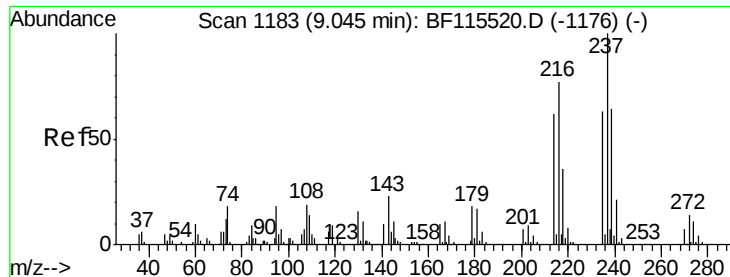
#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 47.413 ng  
RT: 9.05 min Scan# 1183  
Delta R.T. -0.01 min  
Lab File: BF115558.D  
Acq: 15 Jul 2019 16:05

Tgt Ion:216 Resp: 491578  
Ion Ratio Lower Upper  
216 100  
214 78.2 65.1 97.7  
179 21.9 18.3 27.5  
108 20.2 15.7 23.5



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: 83.790 ng

RT: 9.04 min Scan# 1182

Delta R.T. -0.01 min

Lab File: BF115558.D

Acq: 15 Jul 2019 16:05

Instrument :

BNA\_F

ClientSampleId :

PB121261BS

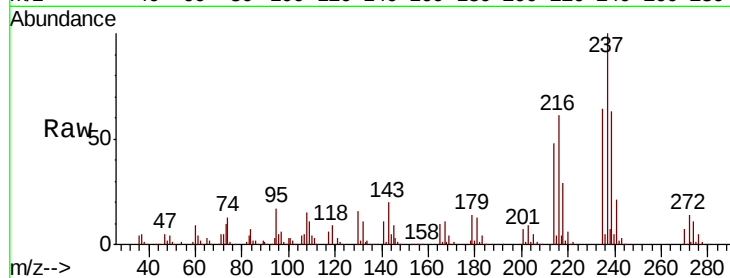
Tot Ion:237 Resp: 495562

Ion Ratio Lower Upper

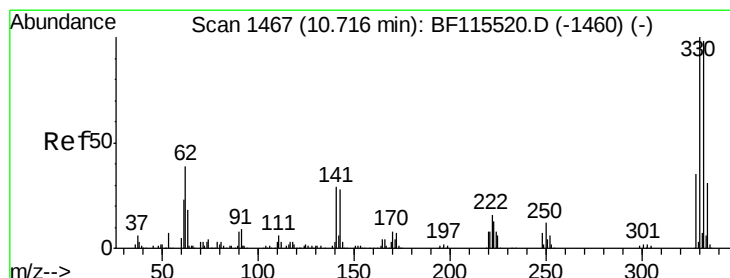
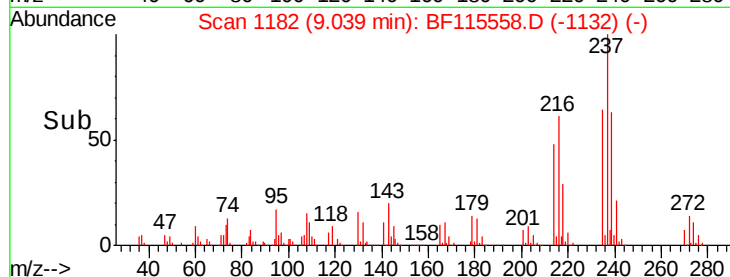
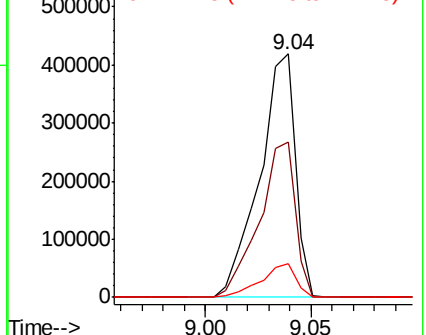
237 100

235 63.5 43.6 83.6

272 13.9 0.0 33.9



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: 135.935 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.01 min

Lab File: BF115558.D

Acq: 15 Jul 2019 16:05

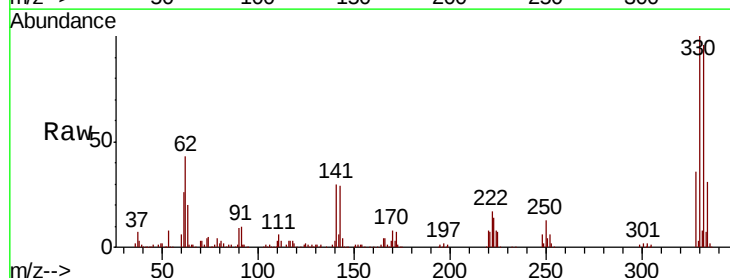
Tgt Ion:330 Resp: 546299

Ion Ratio Lower Upper

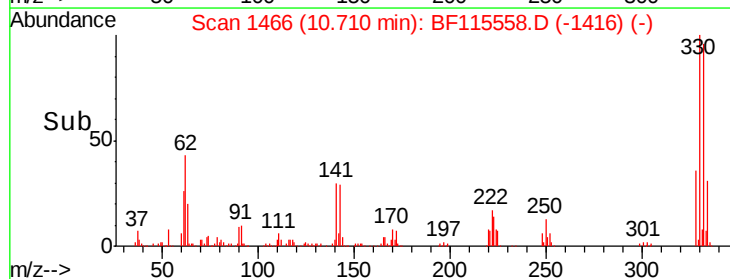
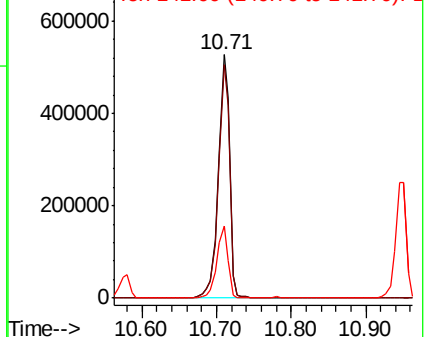
330 100

332 96.0 77.4 116.2

141 29.5 22.4 33.6



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

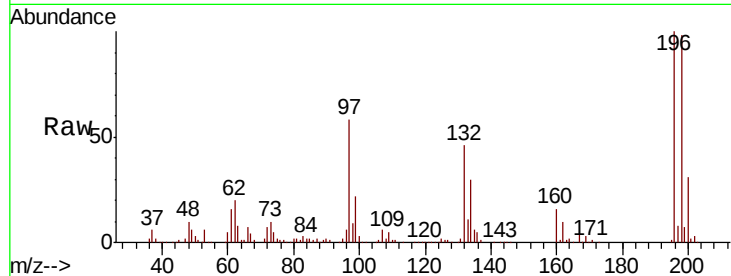




#43  
 2,4,6-Trichlorophenol  
 Concen: 48.403 ng  
 RT: 9.15 min Scan# 1201  
 Delta R.T. -0.01 min  
 Lab File: BF115558.D  
 Acq: 15 Jul 2019 16:05

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB121261BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 97.6  | 80.6  | 121.0 |
| 200     | 31.1  | 25.8  | 38.6  |

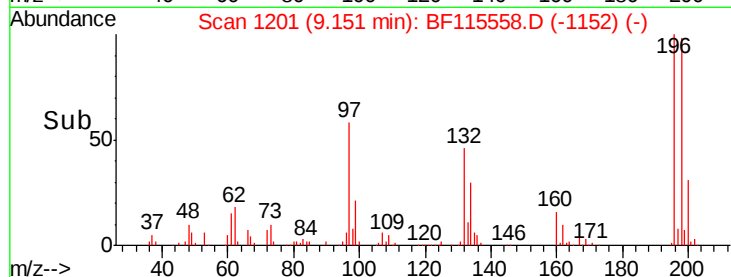
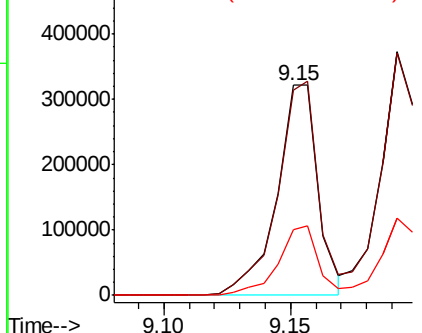


Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#44  
 2,4,5-Trichlorophenol  
 Concen: 47.719 ng  
 RT: 9.19 min Scan# 1208  
 Delta R.T. -0.01 min  
 Lab File: BF115558.D  
 Acq: 15 Jul 2019 16:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 99.8  | 79.6  | 119.4 |
| 97      | 50.1  | 37.8  | 56.6  |
| 132     | 29.2  | 22.8  | 34.2  |

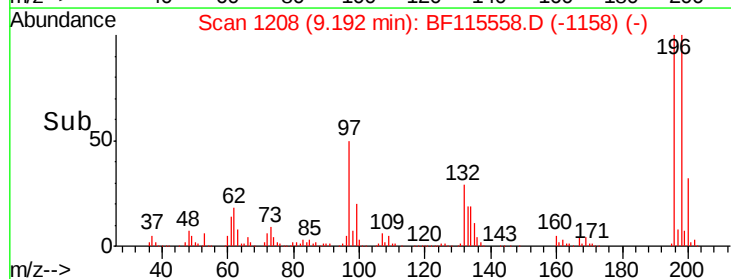
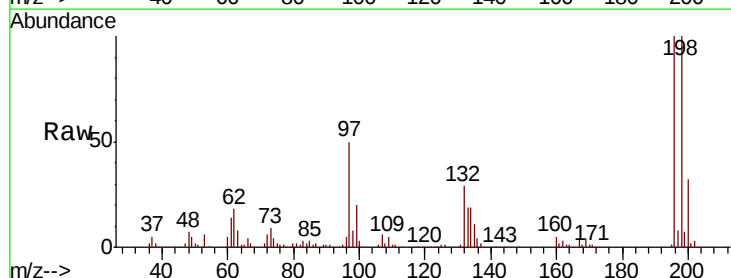
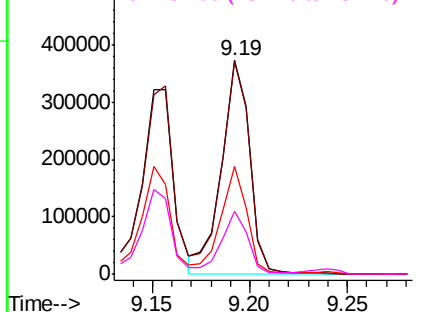
Abundance

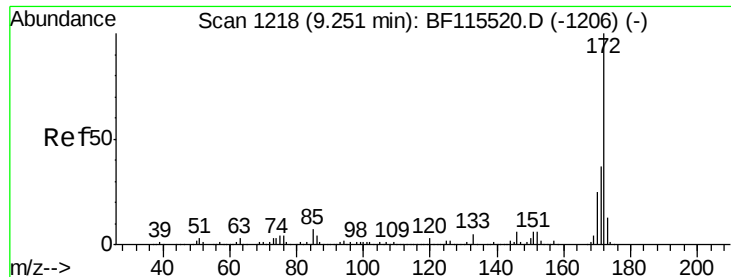
Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF1

Ion 132.00 (131.70 to 132.70): E

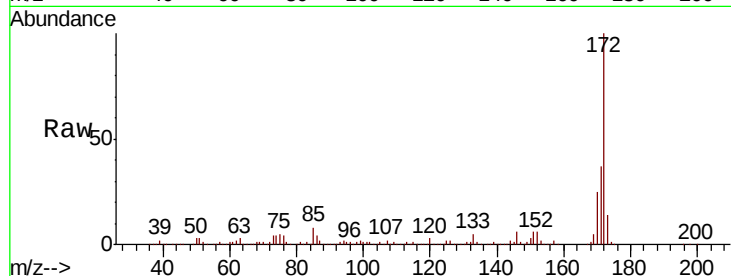




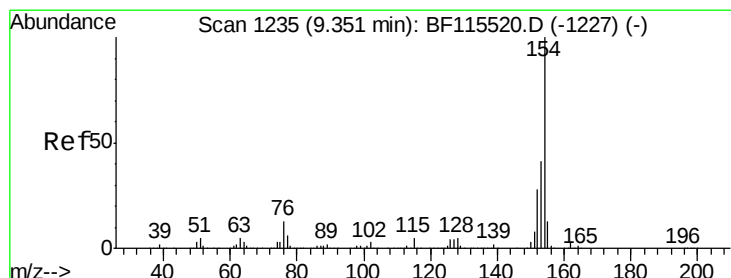
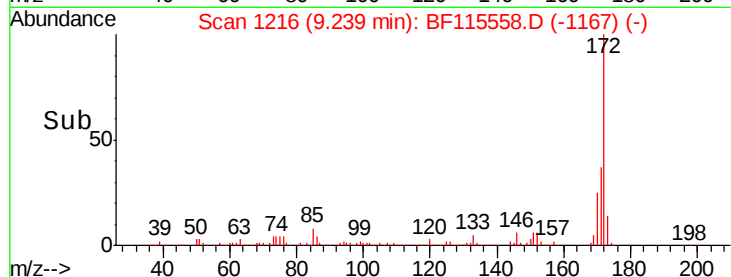
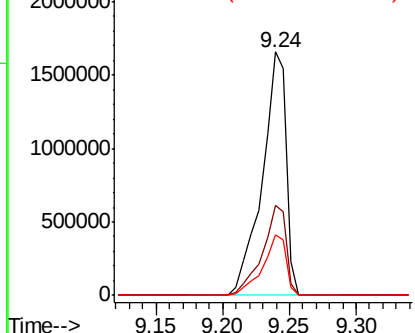
#45  
 2-Fluorobiphenyl  
 Concen: 104.927 ng  
 RT: 9.24 min Scan# 1216  
 Delta R.T. -0.01 min  
 Lab File: BF115558.D  
 Acq: 15 Jul 2019 16:05

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB121261BS

Tot Ion:172 Resp: 2064031  
 Ion Ratio Lower Upper  
 172 100  
 171 36.8 30.6 46.0  
 170 24.9 20.5 30.7

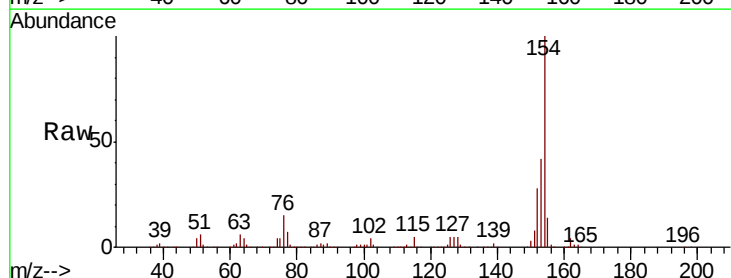


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

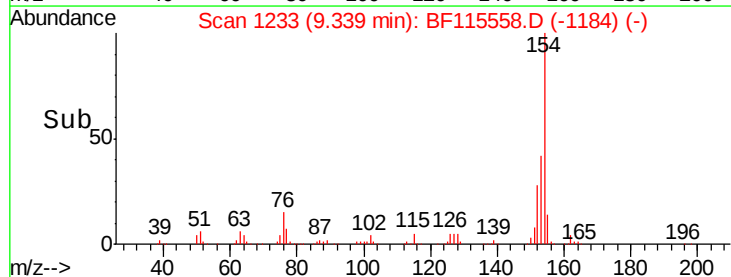
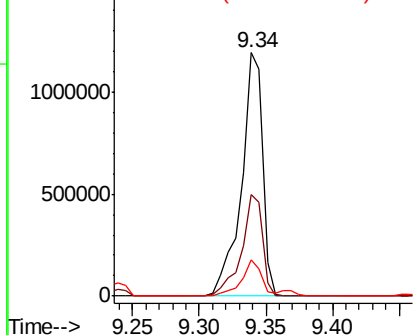


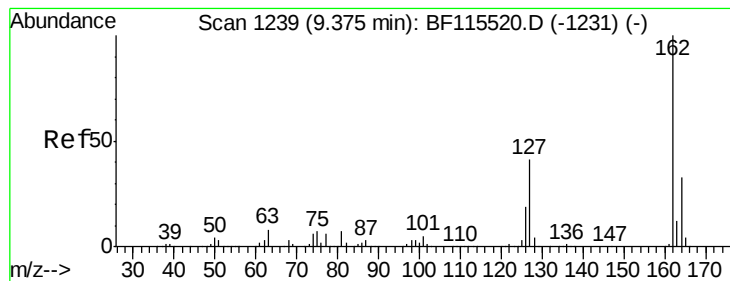
#46  
 1,1'-Biphenyl  
 Concen: 48.589 ng  
 RT: 9.34 min Scan# 1233  
 Delta R.T. -0.01 min  
 Lab File: BF115558.D  
 Acq: 15 Jul 2019 16:05

Tgt Ion:154 Resp: 1307864  
 Ion Ratio Lower Upper  
 154 100  
 153 41.6 22.6 62.6  
 76 14.8 0.0 33.4



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: 46.876 ng

RT: 9.37 min Scan# 1238

Delta R.T. -0.01 min

Lab File: BF115558.D

Acq: 15 Jul 2019 16:05

Instrument :

BNA\_F

ClientSampleId :

PB121261BS

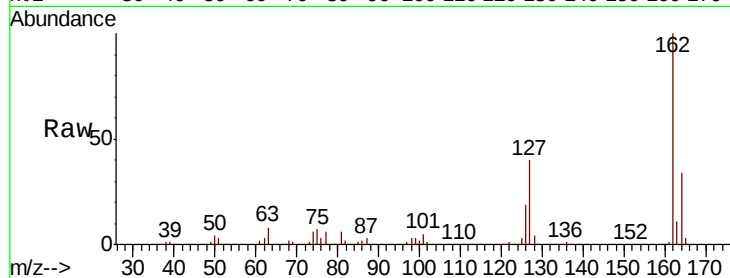
Tot Ion:162 Resp: 1050621

Ion Ratio Lower Upper

162 100

127 39.5 34.1 51.1

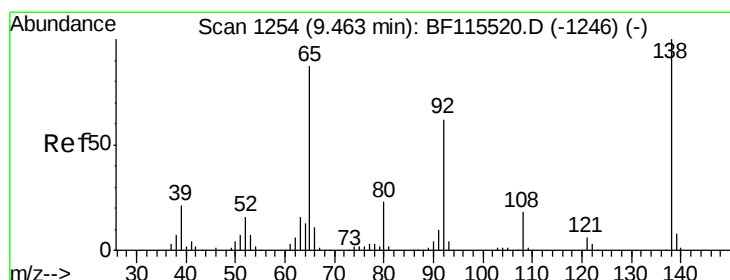
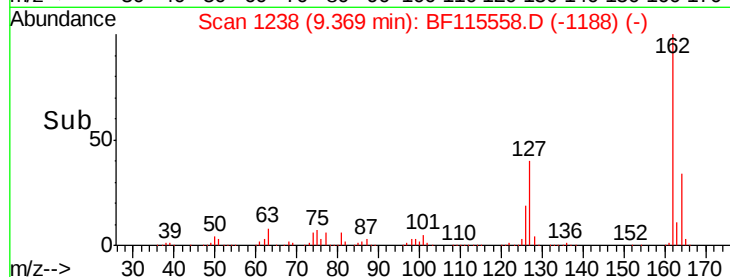
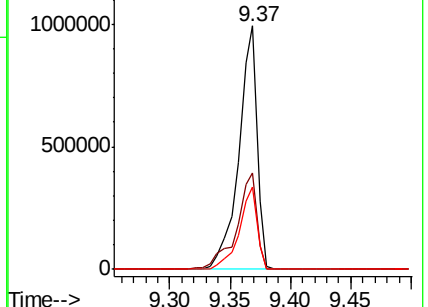
164 34.0 27.4 41.2



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: 44.963 ng

RT: 9.46 min Scan# 1253

Delta R.T. -0.01 min

Lab File: BF115558.D

Acq: 15 Jul 2019 16:05

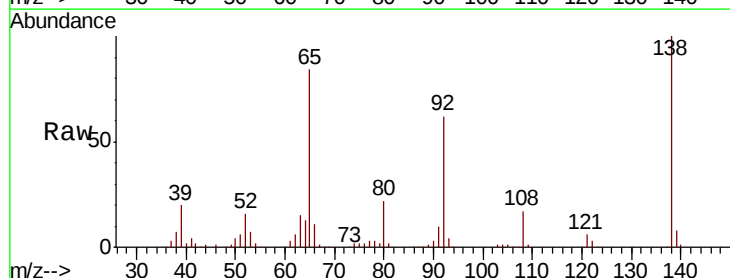
Tgt Ion: 65 Resp: 311907

Ion Ratio Lower Upper

65 100

92 73.6 57.8 86.6

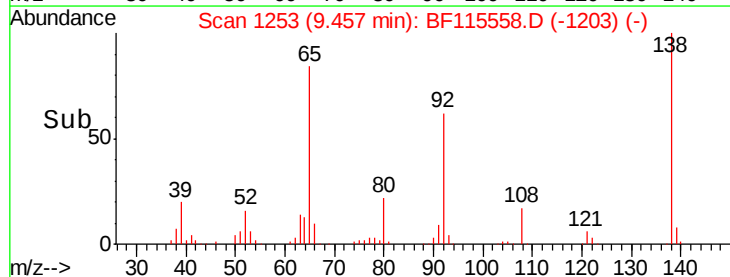
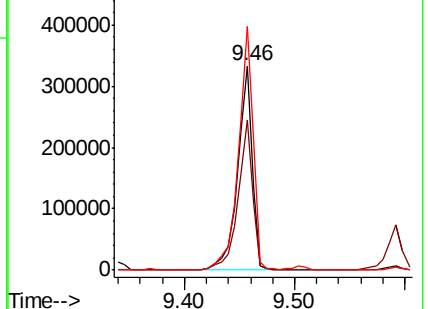
138 119.1 91.2 136.8

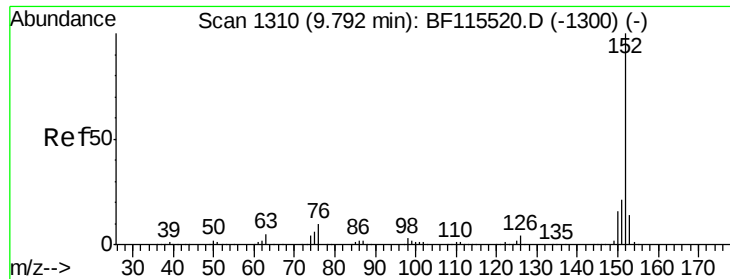


Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 48.039 ng

RT: 9.78 min Scan# 1308

Delta R.T. -0.01 min

Lab File: BF115558.D

Acq: 15 Jul 2019 16:05

Instrument :

BNA\_F

ClientSampleId :

PB121261BS

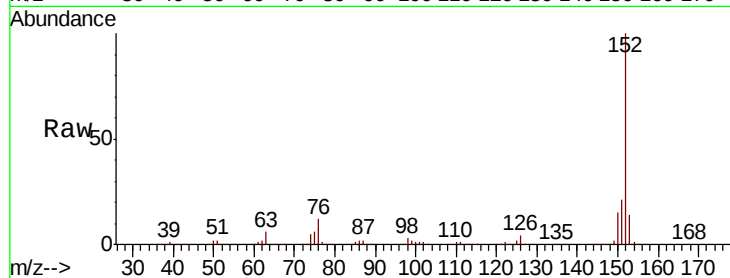
Tot Ion:152 Resp: 1595354

Ion Ratio Lower Upper

152 100

151 20.8 17.7 26.5

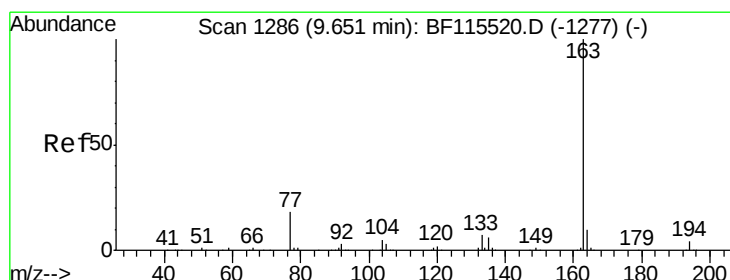
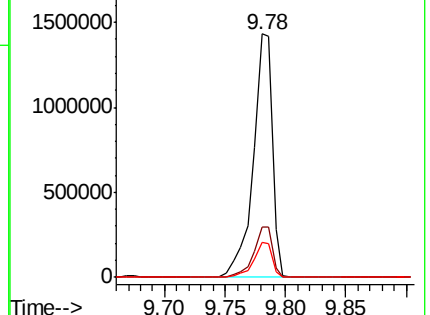
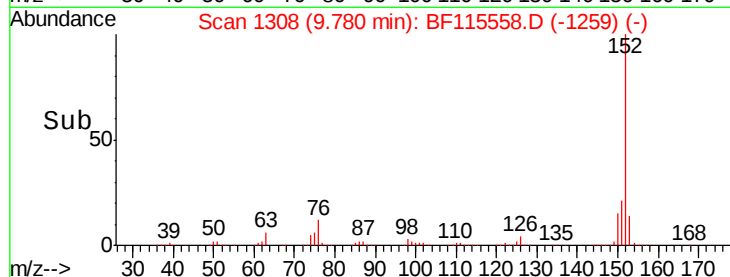
153 14.4 12.0 18.0



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: 47.028 ng

RT: 9.65 min Scan# 1285

Delta R.T. -0.01 min

Lab File: BF115558.D

Acq: 15 Jul 2019 16:05

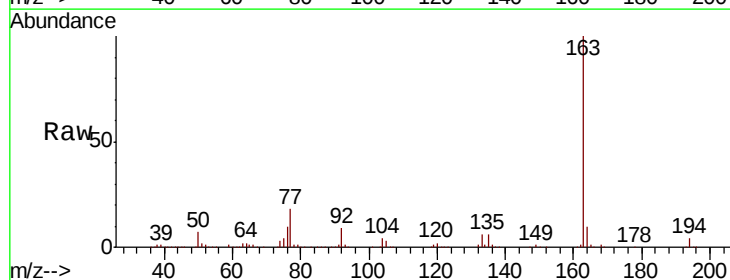
Tgt Ion:163 Resp: 1218214

Ion Ratio Lower Upper

163 100

194 4.3 3.3 4.9

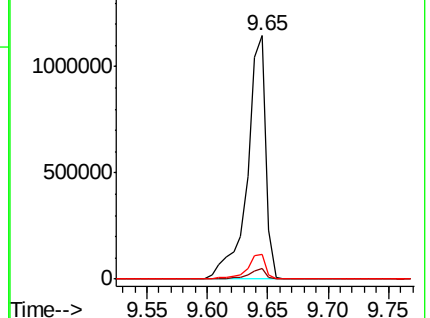
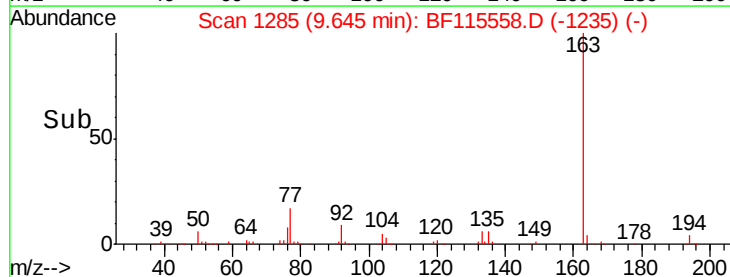
164 10.2 8.7 13.1

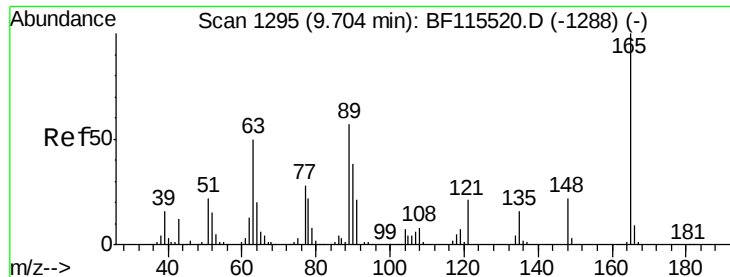


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

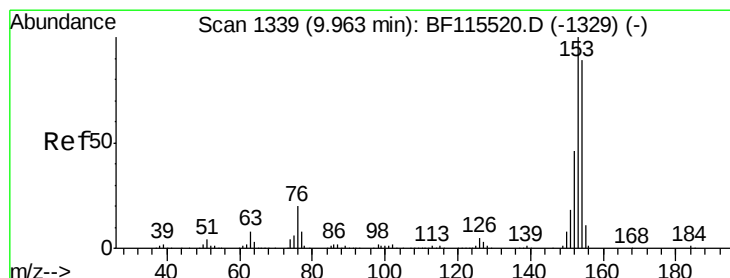
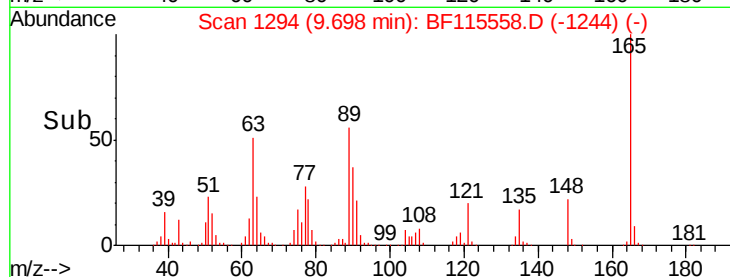
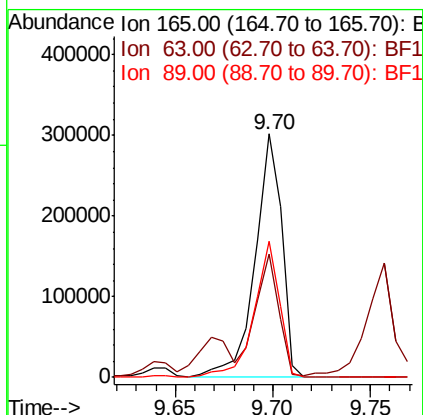
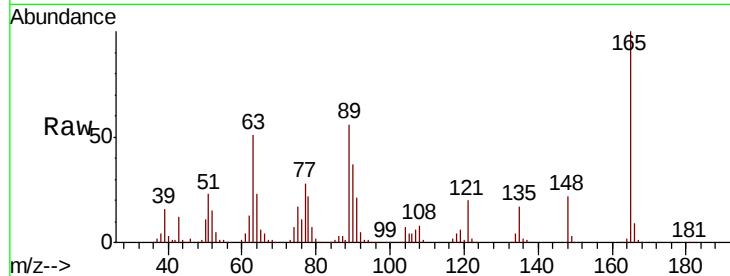




#51  
 2,6-Dinitrotoluene  
 Concen: 48.625 ng  
 RT: 9.70 min Scan# 1294  
 Delta R.T. -0.01 min  
 Lab File: BF115558.D  
 Acq: 15 Jul 2019 16:05

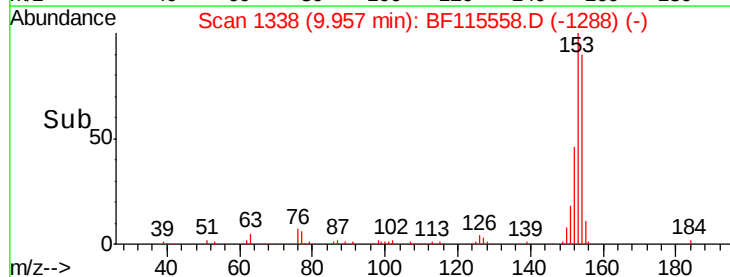
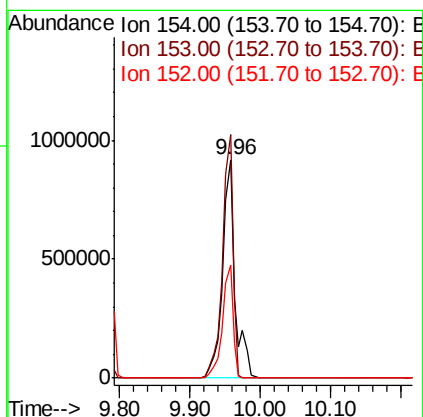
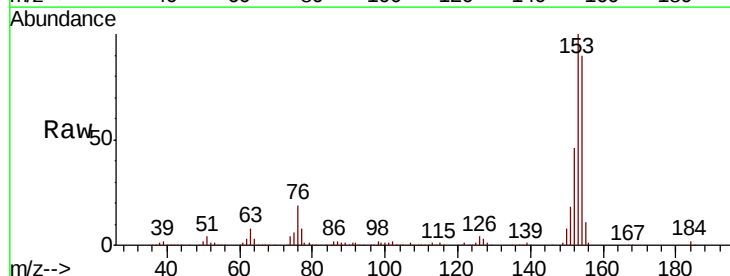
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB121261BS

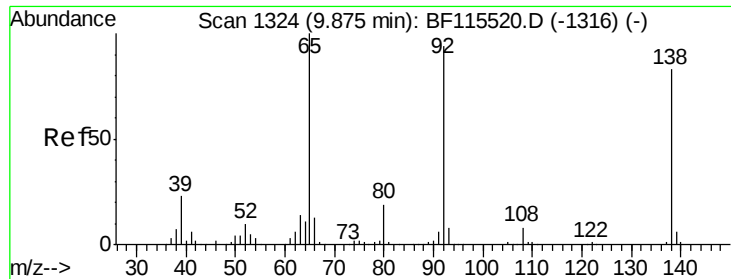
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 50.7  | 40.6  | 61.0  |
| 89      | 55.9  | 43.9  | 65.9  |



#52  
 Acenaphthene  
 Concen: 51.745 ng  
 RT: 9.96 min Scan# 1338  
 Delta R.T. -0.01 min  
 Lab File: BF115558.D  
 Acq: 15 Jul 2019 16:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 111.6 | 88.6  | 133.0 |
| 152     | 51.8  | 42.3  | 63.5  |

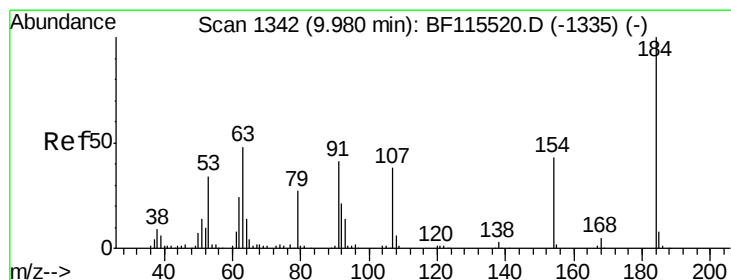
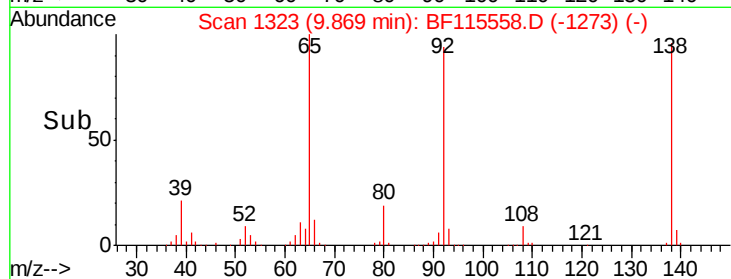
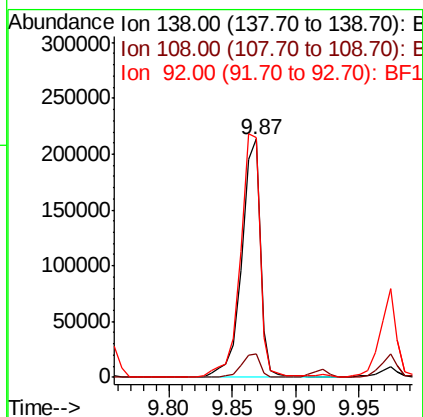
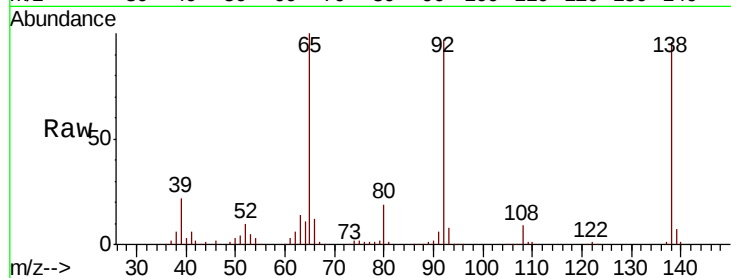




#53  
 3-Nitroaniline  
 Concen: 32.310 ng  
 RT: 9.87 min Scan# 1323  
 Delta R.T. -0.01 min  
 Lab File: BF115558.D  
 Acq: 15 Jul 2019 16:05

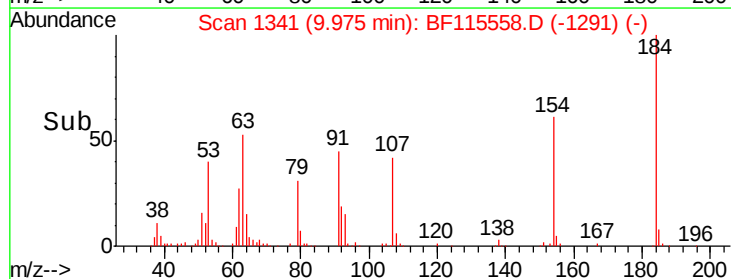
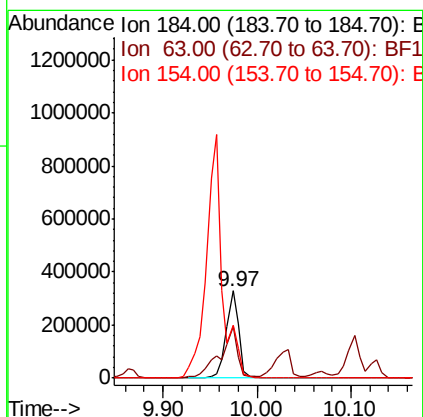
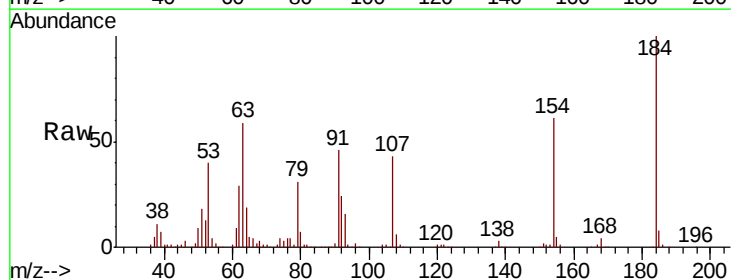
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB121261BS

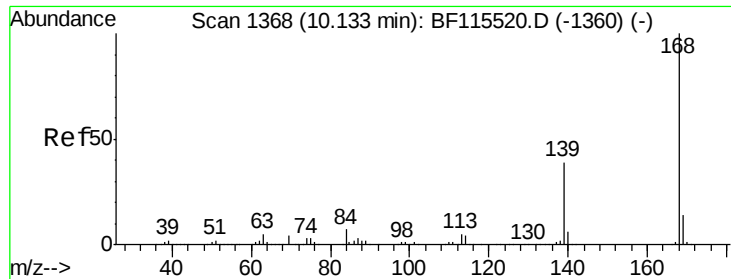
Tot Ion:138 Resp: 217355  
 Ion Ratio Lower Upper  
 138 100  
 108 9.7 8.4 12.6  
 92 100.9 88.0 132.0



#54  
 2,4-Dinitrophenol  
 Concen: 102.061 ng  
 RT: 9.97 min Scan# 1341  
 Delta R.T. -0.01 min  
 Lab File: BF115558.D  
 Acq: 15 Jul 2019 16:05

Tgt Ion:184 Resp: 308471  
 Ion Ratio Lower Upper  
 184 100  
 63 58.7 48.7 73.1  
 154 60.7 48.6 73.0

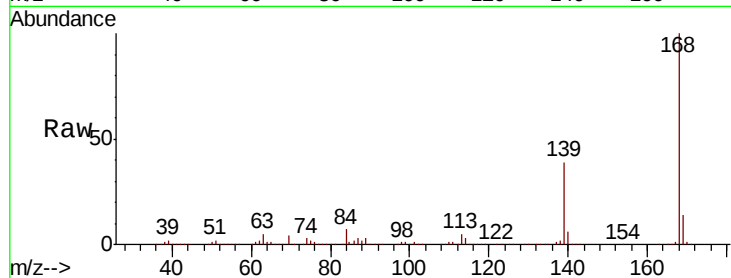




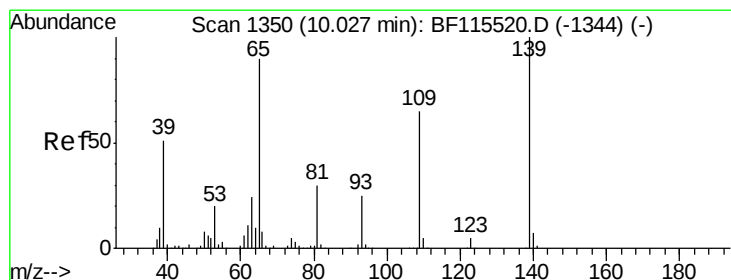
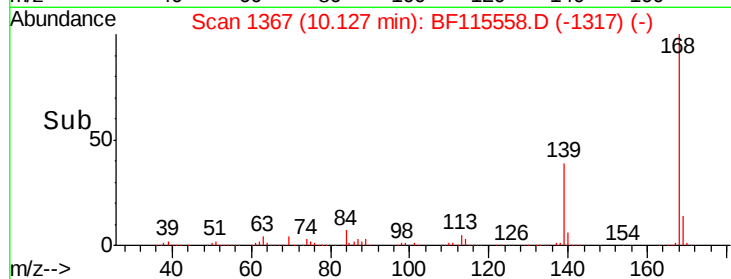
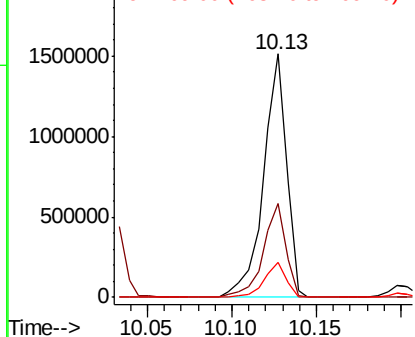
#55  
Dibenzenofuran  
Concen: 46.895 ng  
RT: 10.13 min Scan# 1367  
Delta R.T. -0.01 min  
Lab File: BF115558.D  
Acq: 15 Jul 2019 16:05

Instrument :  
BNA\_F  
ClientSampleId :  
PB121261BS

Tot Ion:168 Resp: 1427886  
Ion Ratio Lower Upper  
168 100  
139 38.8 31.1 46.7  
169 14.2 11.1 16.7

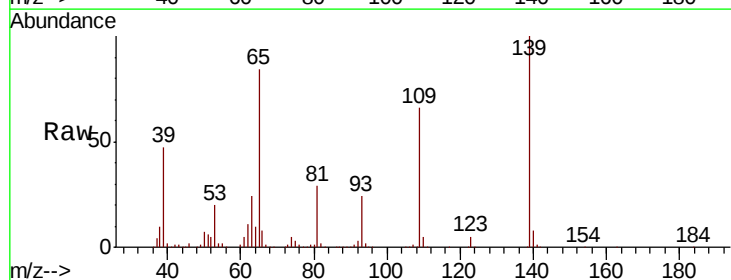


Abundance Ion 168.00 (167.70 to 168.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 169.00 (168.70 to 169.70): E

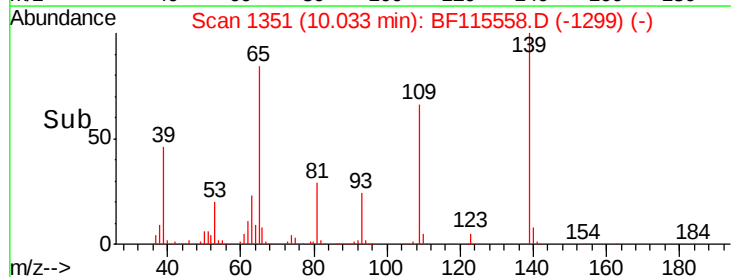
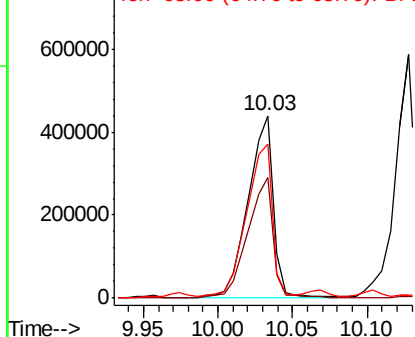


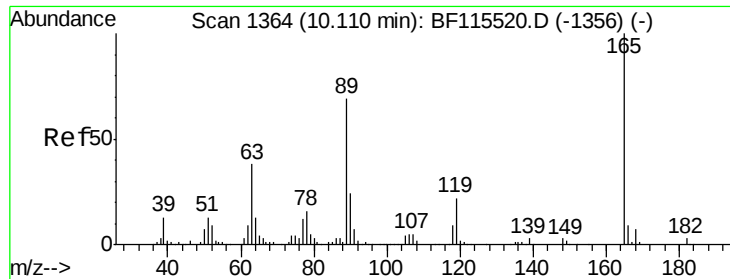
#56  
4-Nitrophenol  
Concen: 100.239 ng  
RT: 10.03 min Scan# 1351  
Delta R.T. 0.01 min  
Lab File: BF115558.D  
Acq: 15 Jul 2019 16:05

Tgt Ion:139 Resp: 514214  
Ion Ratio Lower Upper  
139 100  
109 66.0 46.4 86.4  
65 84.1 68.9 108.9



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

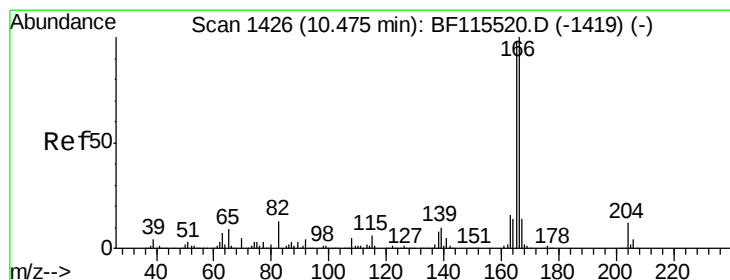
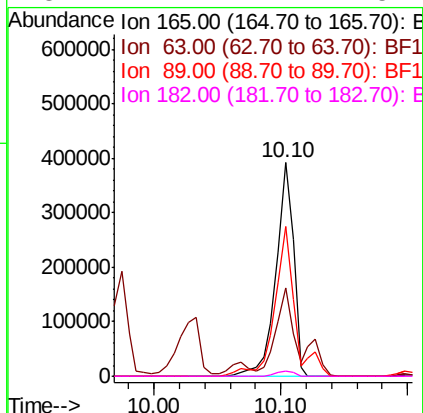
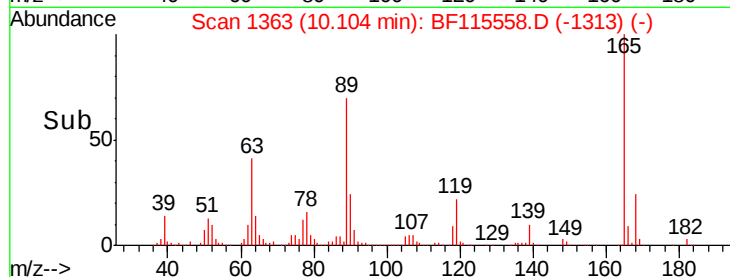
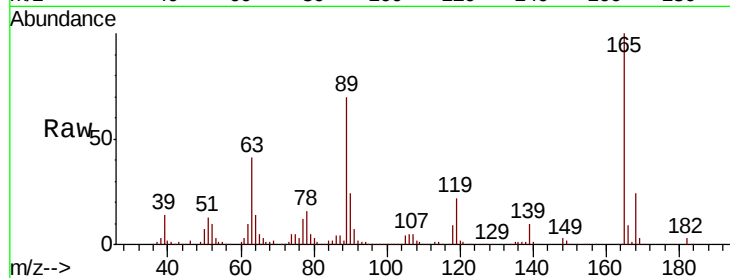




#57  
2,4-Dinitrotoluene  
Concen: 49.091 ng  
RT: 10.10 min Scan# 1363  
Delta R.T. -0.01 min  
Lab File: BF115558.D  
Acq: 15 Jul 2019 16:05

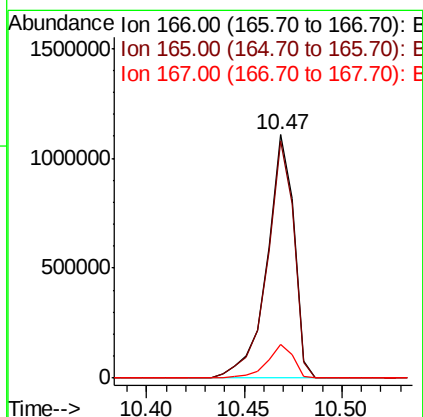
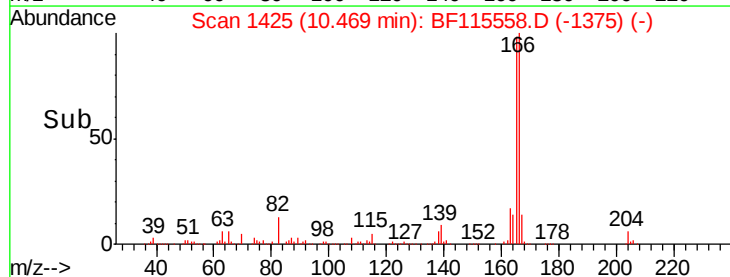
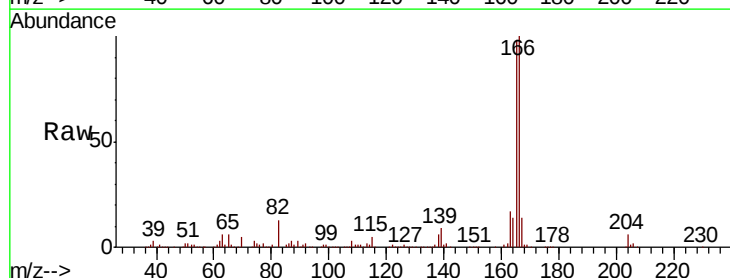
Instrument :  
BNA\_F  
ClientSampleId :  
PB121261BS

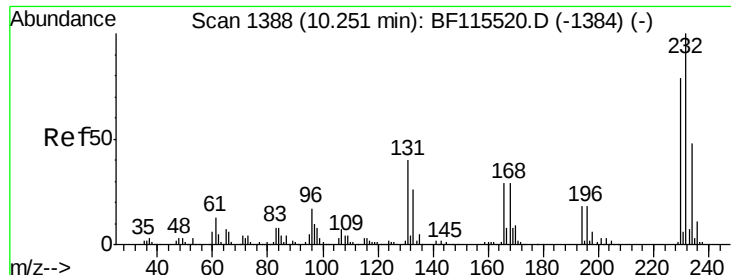
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 41.1  | 34.9  | 52.3  |
| 89      | 70.2  | 57.5  | 86.3  |
| 182     | 2.7   | 2.2   | 3.4   |



#58  
Fluorene  
Concen: 48.559 ng  
RT: 10.47 min Scan# 1425  
Delta R.T. -0.01 min  
Lab File: BF115558.D  
Acq: 15 Jul 2019 16:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 97.5  | 79.8  | 119.6 |
| 167     | 14.0  | 11.2  | 16.8  |

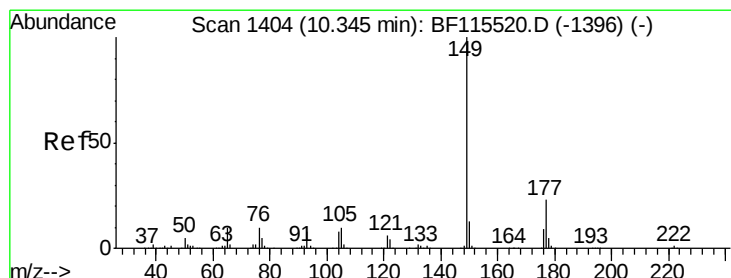
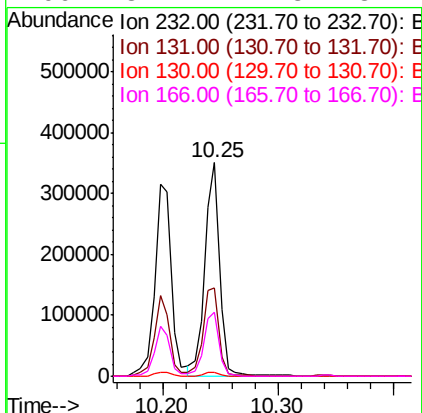
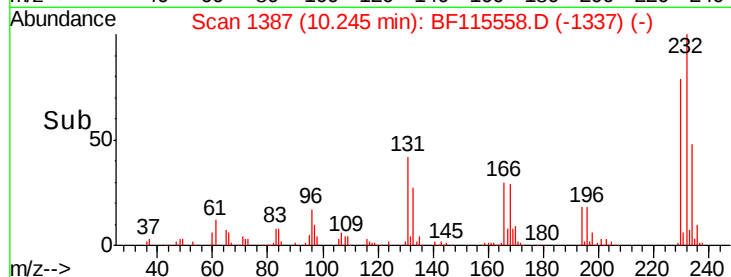
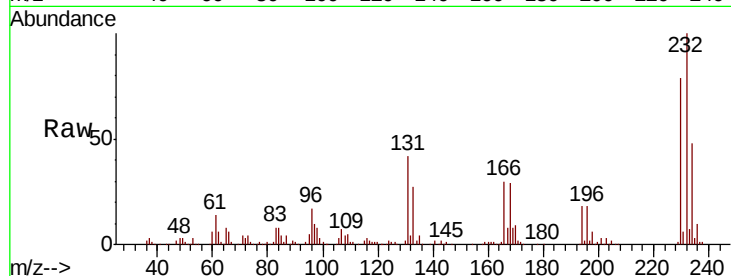




#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 48.253 ng  
 RT: 10.25 min Scan# 1387  
 Delta R.T. -0.01 min  
 Lab File: BF115558.D  
 Acq: 15 Jul 2019 16:05

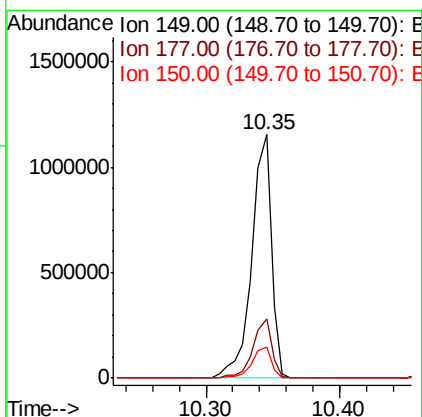
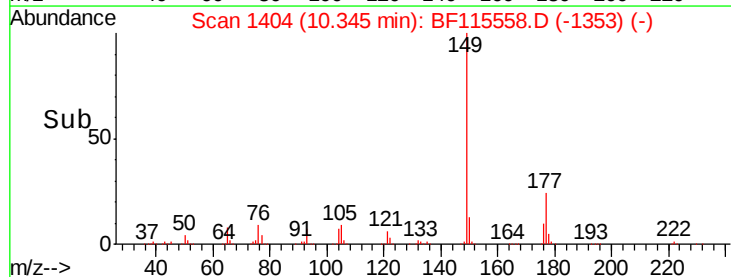
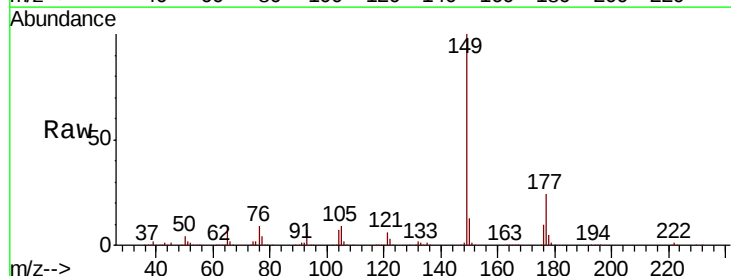
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB121261BS

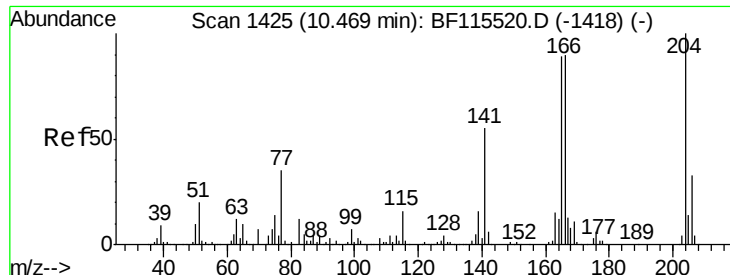
Tot Ion:232 Resp: 313211  
 Ion Ratio Lower Upper  
 232 100  
 131 45.7 35.9 53.9  
 130 2.1 1.8 2.6  
 166 31.7 24.8 37.2



#60  
 Diethylphthalate  
 Concen: 47.879 ng  
 RT: 10.35 min Scan# 1404  
 Delta R.T. -0.00 min  
 Lab File: BF115558.D  
 Acq: 15 Jul 2019 16:05

Tgt Ion:149 Resp: 1162060  
 Ion Ratio Lower Upper  
 149 100  
 177 24.1 19.5 29.3  
 150 12.9 10.4 15.6

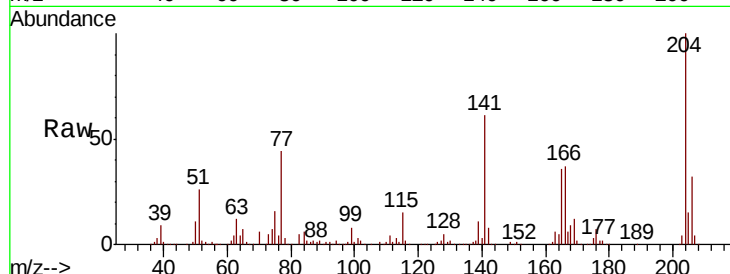




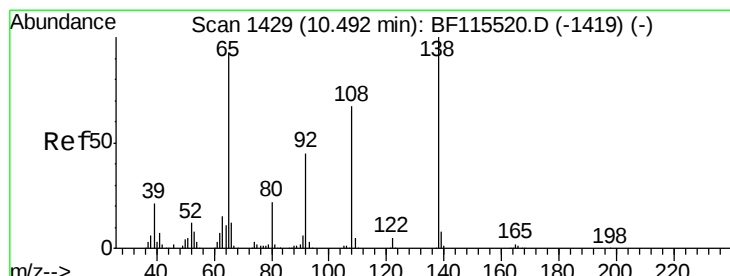
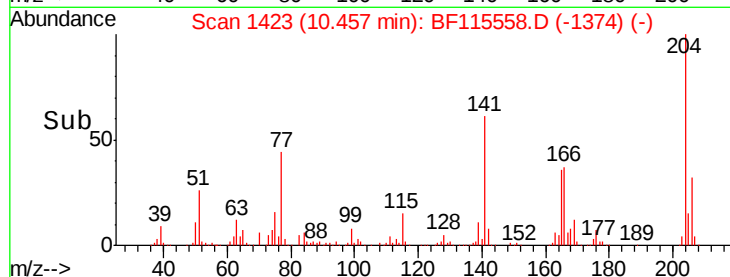
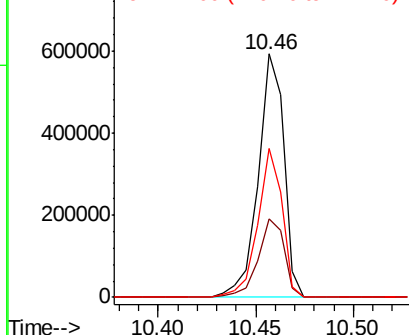
#61  
 4-Chlorophenyl-phenylether  
 Concen: 44.859 ng  
 RT: 10.46 min Scan# 1423  
 Delta R.T. -0.01 min  
 Lab File: BF115558.D  
 Acq: 15 Jul 2019 16:05

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB121261BS

Tot Ion:204 Resp: 541496  
 Ion Ratio Lower Upper  
 204 100  
 206 32.5 26.7 40.1  
 141 61.3 44.2 66.2

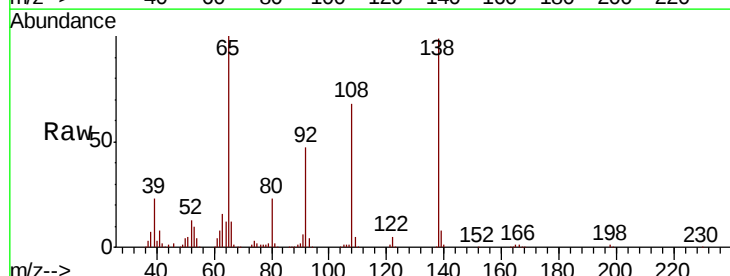


Abundance Ion 204.00 (203.70 to 204.70): E  
 Ion 206.00 (205.70 to 206.70): E  
 Ion 141.00 (140.70 to 141.70): E

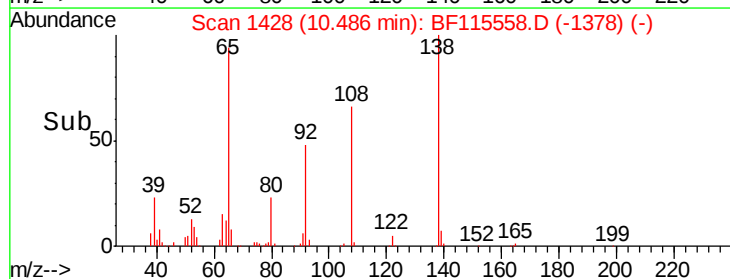
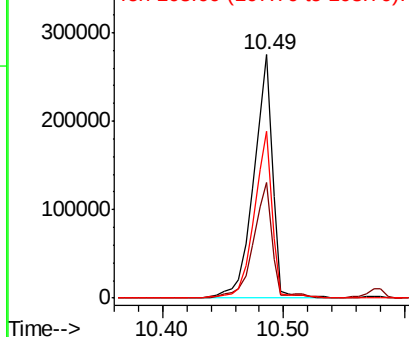


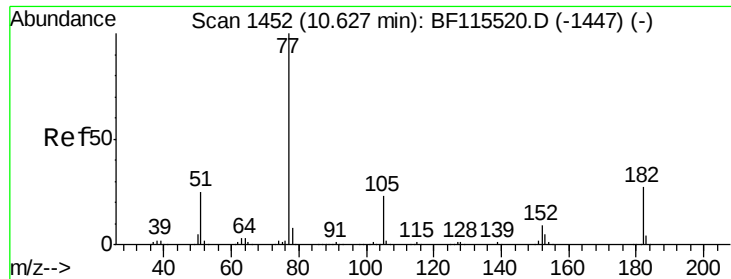
#62  
 4-Nitroaniline  
 Concen: 46.601 ng  
 RT: 10.49 min Scan# 1428  
 Delta R.T. -0.01 min  
 Lab File: BF115558.D  
 Acq: 15 Jul 2019 16:05

Tgt Ion:138 Resp: 300710  
 Ion Ratio Lower Upper  
 138 100  
 92 47.6 27.1 67.1  
 108 68.3 48.0 88.0



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

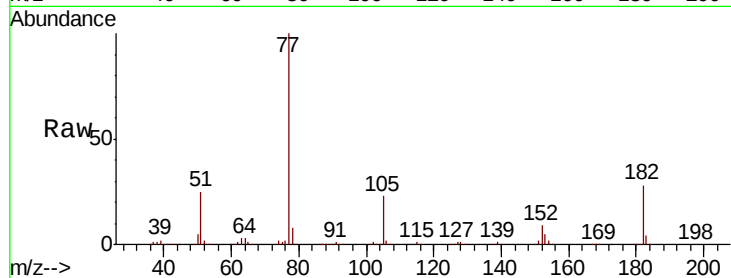




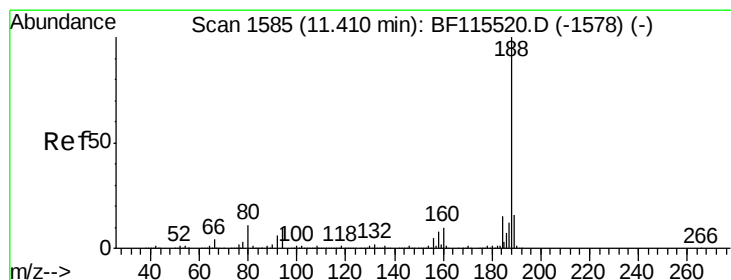
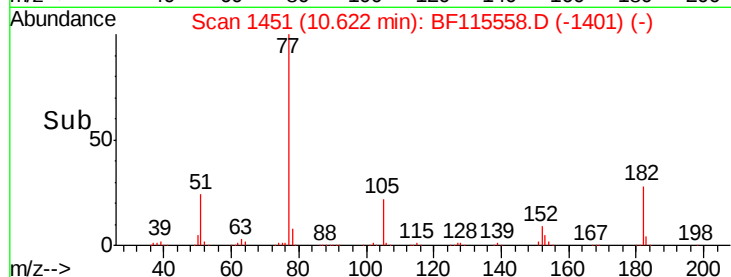
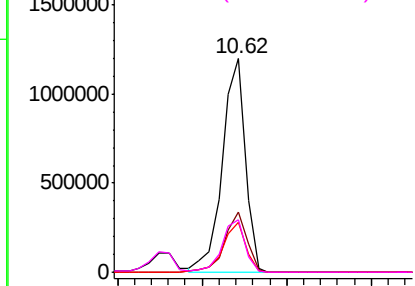
#63  
Azobenzene  
Concen: 48.209 ng  
RT: 10.62 min Scan# 1451  
Delta R.T. -0.01 min  
Lab File: BF115558.D  
Acq: 15 Jul 2019 16:05

Instrument :  
BNA\_F  
ClientSampleId :  
PB121261BS

Tot Ion: 77 Resp: 1134925  
Ion Ratio Lower Upper  
77 100  
182 27.9 6.9 46.9  
105 23.5 3.9 43.9  
51 24.6 7.3 47.3

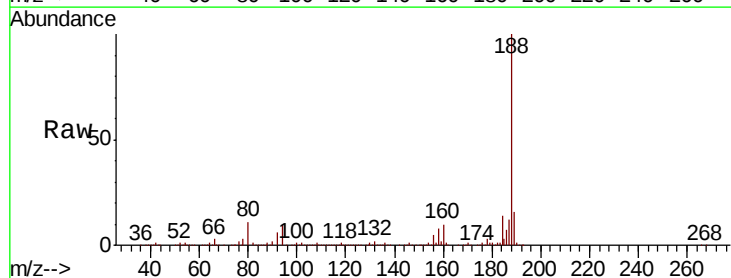


Abundance Ion 77.00 (76.70 to 77.70): BF1  
Ion 182.00 (181.70 to 182.70): E  
Ion 105.00 (104.70 to 105.70): E  
Ion 51.00 (50.70 to 51.70): BF1

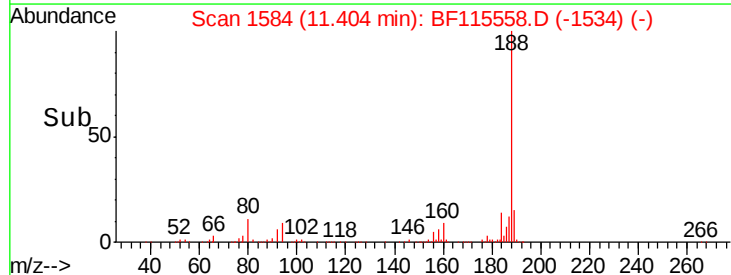
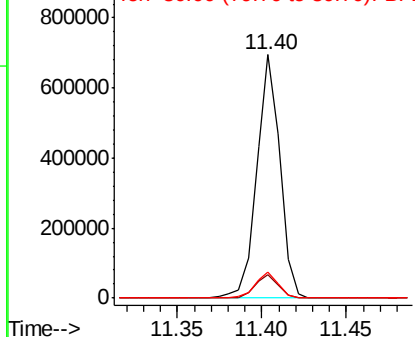


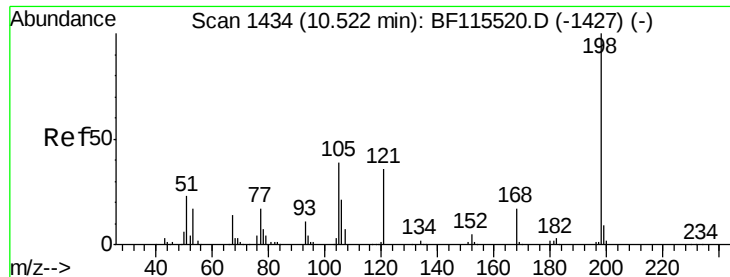
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.40 min Scan# 1584  
Delta R.T. -0.01 min  
Lab File: BF115558.D  
Acq: 15 Jul 2019 16:05

Tgt Ion: 188 Resp: 660905  
Ion Ratio Lower Upper  
188 100  
94 9.7 7.8 11.6  
80 10.8 8.6 13.0



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: 50.769 ng

RT: 10.52 min Scan# 1433

Delta R.T. -0.01 min

Lab File: BF115558.D

Acq: 15 Jul 2019 16:05

Instrument :

BNA\_F

ClientSampleId :

PB121261BS

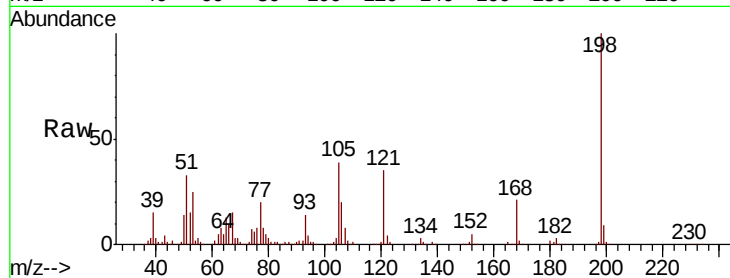
Tot Ion:198 Resp: 205002

Ion Ratio Lower Upper

198 100

51 33.1 19.1 59.1

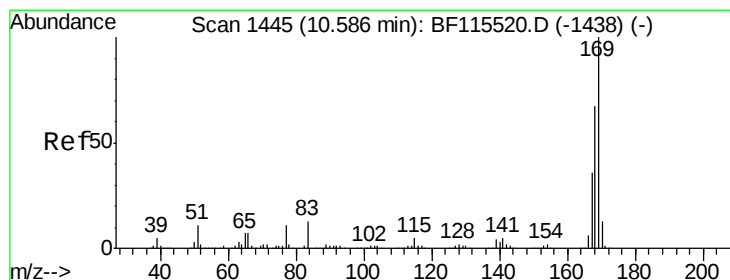
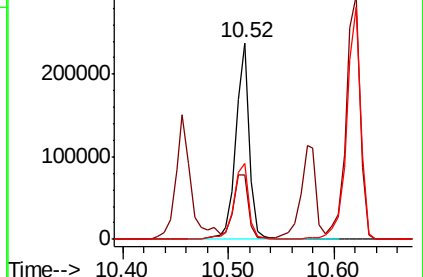
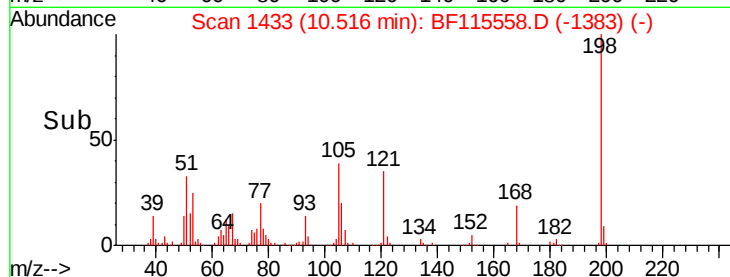
105 38.9 23.6 63.6



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: 47.783 ng

RT: 10.58 min Scan# 1444

Delta R.T. -0.01 min

Lab File: BF115558.D

Acq: 15 Jul 2019 16:05

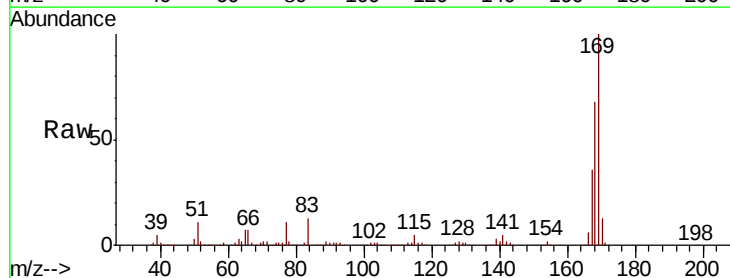
Tgt Ion:169 Resp: 982333

Ion Ratio Lower Upper

169 100

168 67.8 54.3 81.5

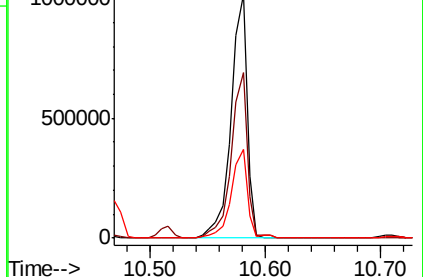
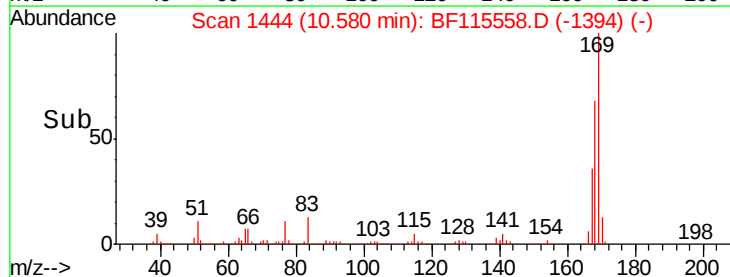
167 36.4 30.2 45.2



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

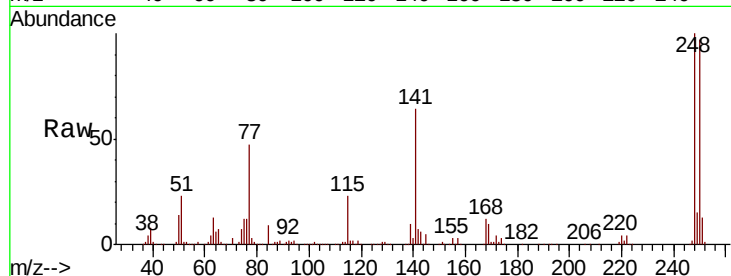




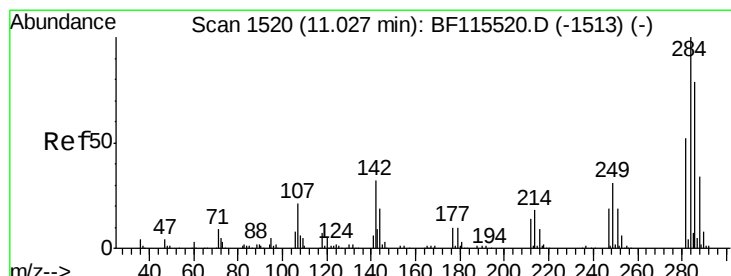
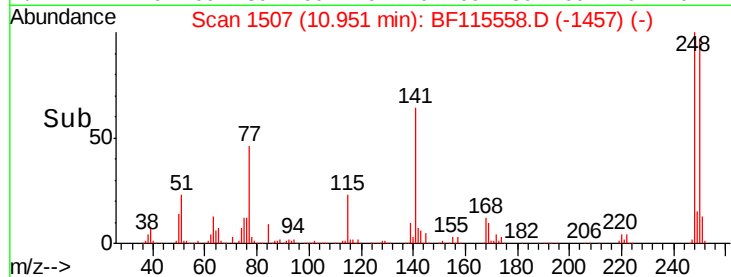
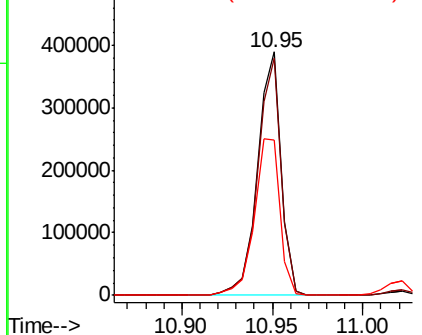
#67  
 4-Bromophenyl-phenylether  
 Concen: 46.489 ng  
 RT: 10.95 min Scan# 1507  
 Delta R.T. -0.01 min  
 Lab File: BF115558.D  
 Acq: 15 Jul 2019 16:05

Instrument :  
 BNA\_F  
 ClientSampleID :  
 PB121261BS

Tot Ion:248 Resp: 351115  
 Ion Ratio Lower Upper  
 248 100  
 250 97.4 78.0 117.0  
 141 64.0 57.7 86.5

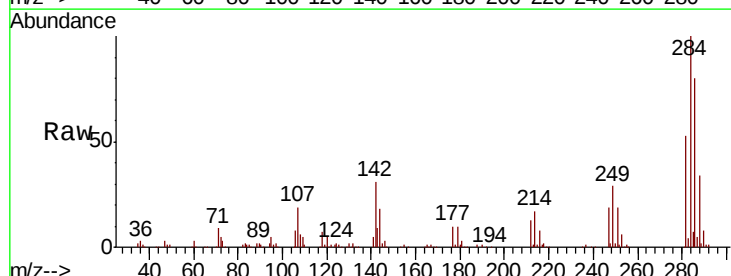


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

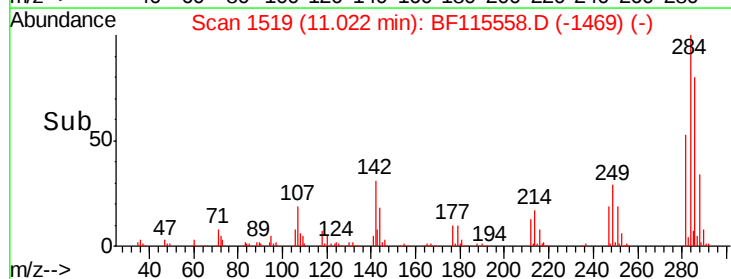
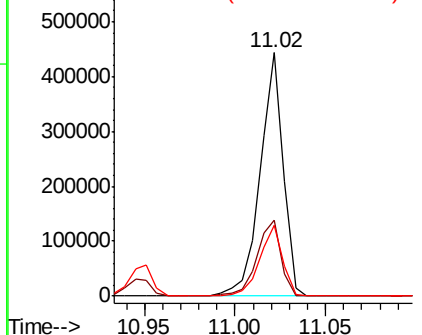


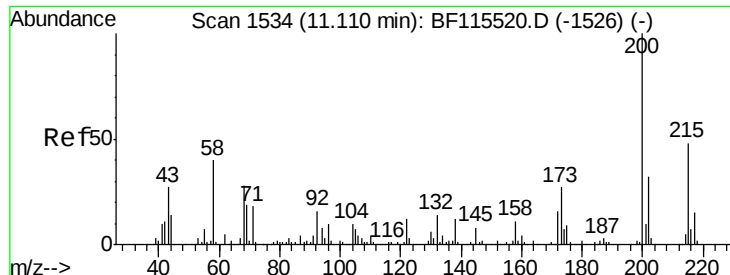
#68  
 Hexachlorobenzene  
 Concen: 45.554 ng  
 RT: 11.02 min Scan# 1519  
 Delta R.T. -0.01 min  
 Lab File: BF115558.D  
 Acq: 15 Jul 2019 16:05

Tgt Ion:284 Resp: 392901  
 Ion Ratio Lower Upper  
 284 100  
 142 31.3 22.2 33.2  
 249 29.2 23.4 35.2



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





#69

Atrazine

Concen: 46.524 ng

RT: 11.10 min Scan# 1533

Delta R.T. -0.01 min

Lab File: BF115558.D

Acq: 15 Jul 2019 16:05

Instrument :

BNA\_F

ClientSampleId :

PB121261BS

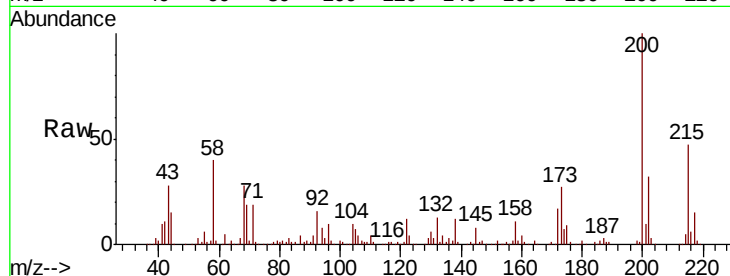
Tot Ion:200 Resp: 313773

Ion Ratio Lower Upper

200 100

173 27.3 6.9 46.9

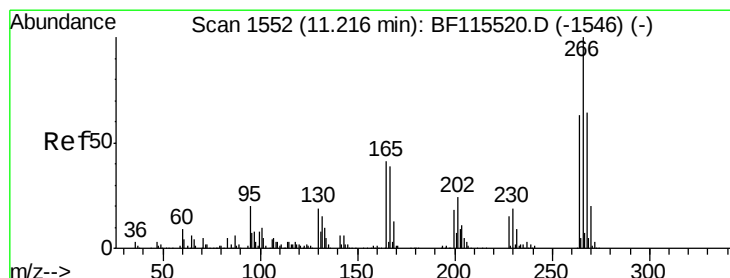
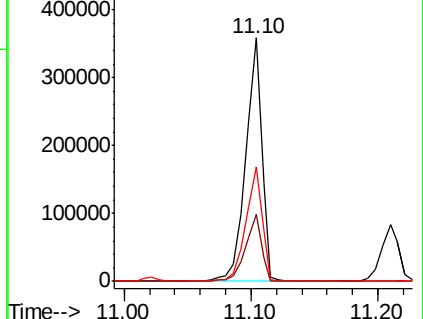
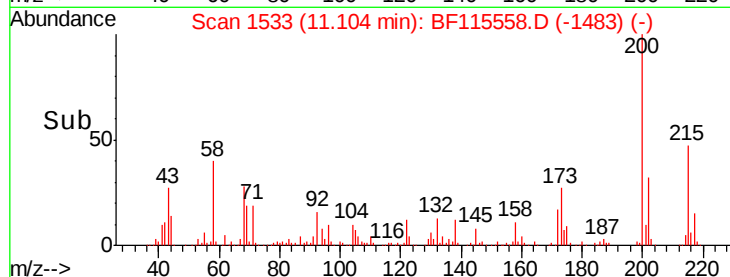
215 46.7 27.9 67.9



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: 90.003 ng

RT: 11.21 min Scan# 1551

Delta R.T. -0.01 min

Lab File: BF115558.D

Acq: 15 Jul 2019 16:05

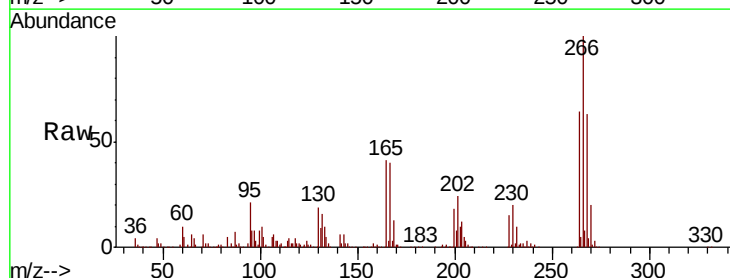
Tgt Ion:266 Resp: 474790

Ion Ratio Lower Upper

266 100

268 63.1 51.6 77.4

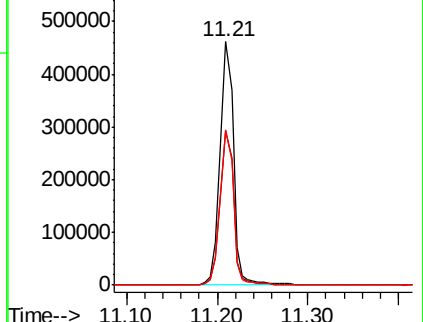
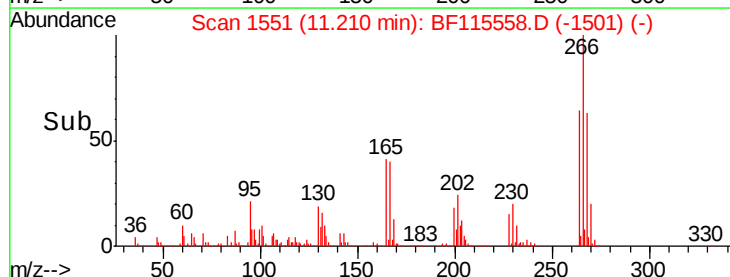
264 63.6 50.6 76.0

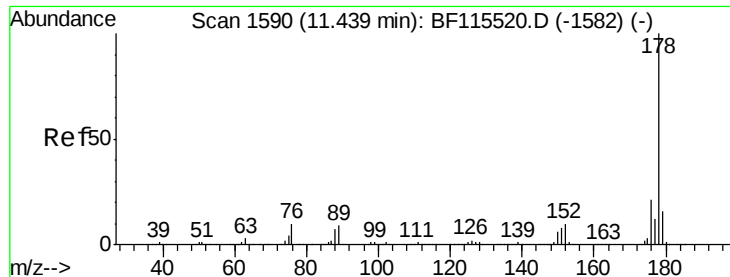


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 46.953 ng

RT: 11.43 min Scan# 1589

Delta R.T. -0.01 min

Lab File: BF115558.D

Acq: 15 Jul 2019 16:05

Instrument :

BNA\_F

ClientSampleId :

PB121261BS

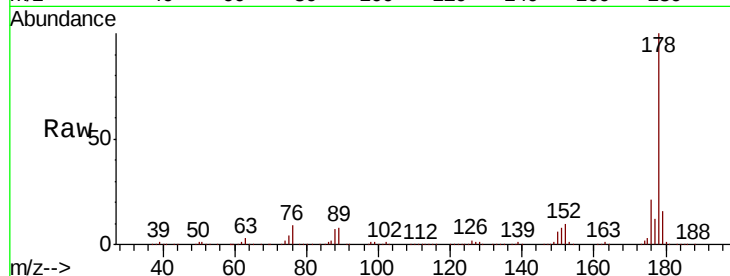
Tot Ion:178 Resp: 1590633

Ion Ratio Lower Upper

178 100

176 20.6 17.2 25.8

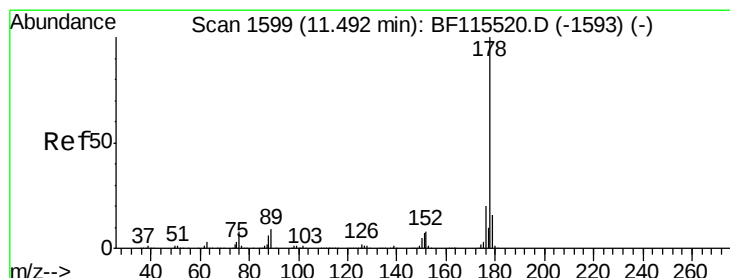
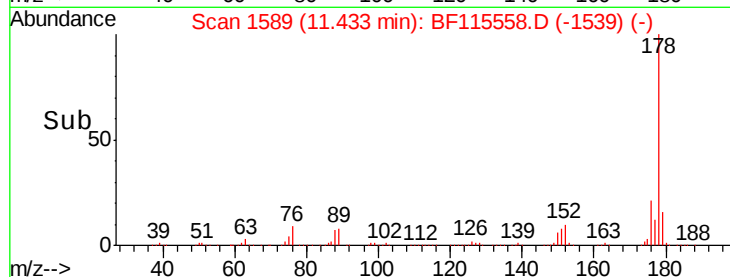
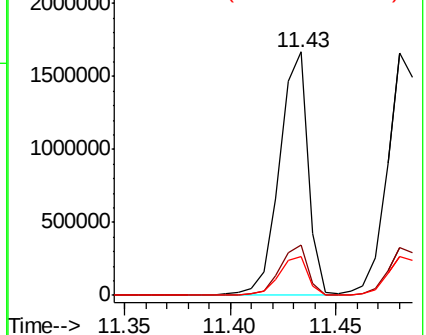
179 16.0 13.5 20.3



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: 47.319 ng

RT: 11.48 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BF115558.D

Acq: 15 Jul 2019 16:05

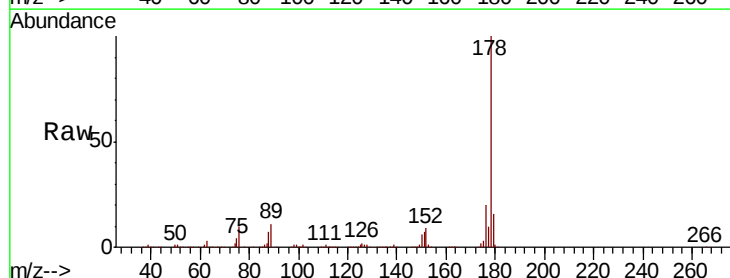
Tgt Ion:178 Resp: 1656695

Ion Ratio Lower Upper

178 100

176 19.5 15.9 23.9

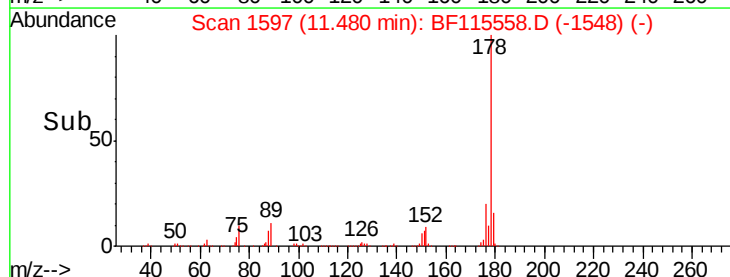
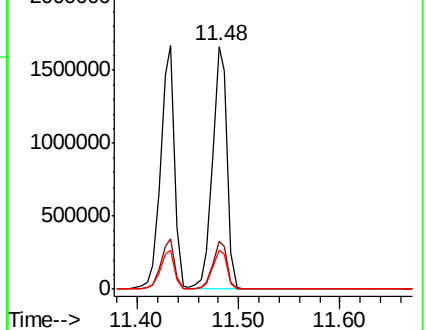
179 16.2 12.7 19.1

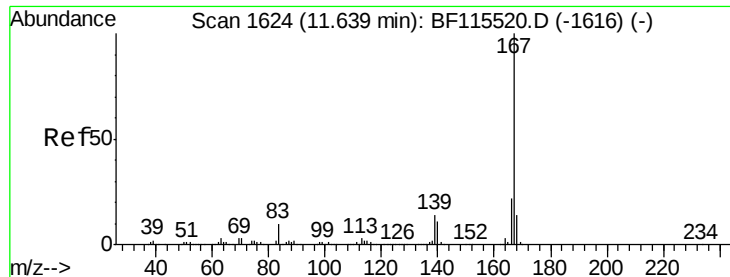


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

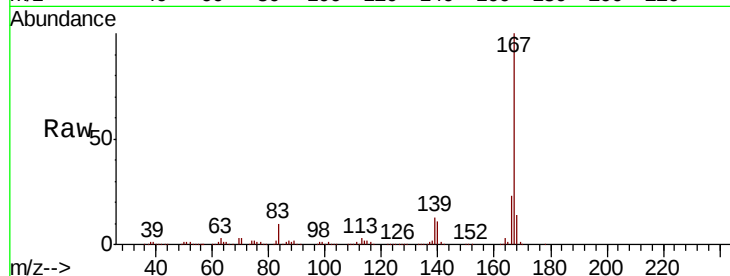




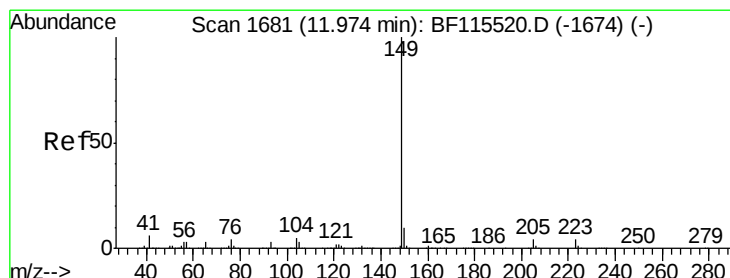
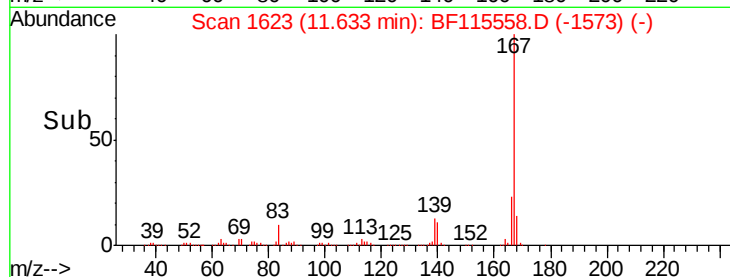
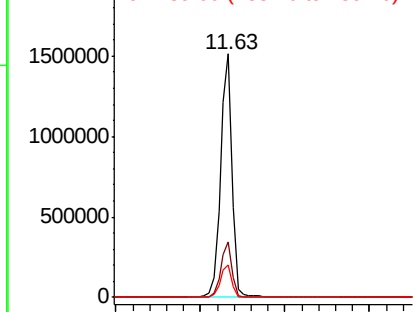
#73  
 Carbazole  
 Concen: 47.402 ng  
 RT: 11.63 min Scan# 1623  
 Delta R.T. -0.01 min  
 Lab File: BF115558.D  
 Acq: 15 Jul 2019 16:05

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB121261BS

Tot Ion:167 Resp: 1455334  
 Ion Ratio Lower Upper  
 167 100  
 166 22.6 18.1 27.1  
 139 13.5 11.3 16.9

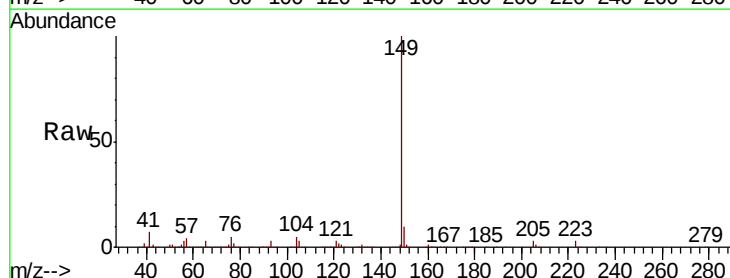


Abundance Ion 167.00 (166.70 to 167.70): E  
 Ion 166.00 (165.70 to 166.70): E  
 Ion 139.00 (138.70 to 139.70): E

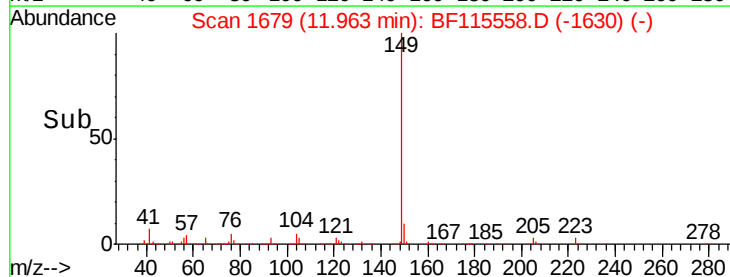
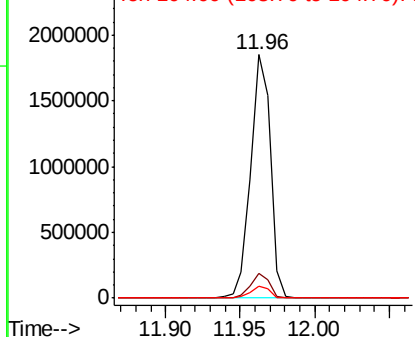


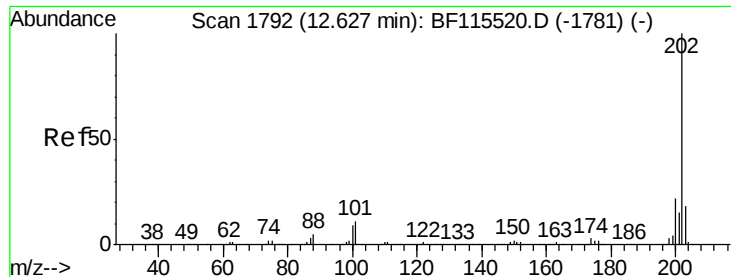
#74  
 Di-n-butylphthalate  
 Concen: 44.437 ng  
 RT: 11.96 min Scan# 1679  
 Delta R.T. -0.01 min  
 Lab File: BF115558.D  
 Acq: 15 Jul 2019 16:05

Tgt Ion:149 Resp: 1680509  
 Ion Ratio Lower Upper  
 149 100  
 150 10.0 7.7 11.5  
 104 5.2 3.8 5.8



Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 104.00 (103.70 to 104.70): E

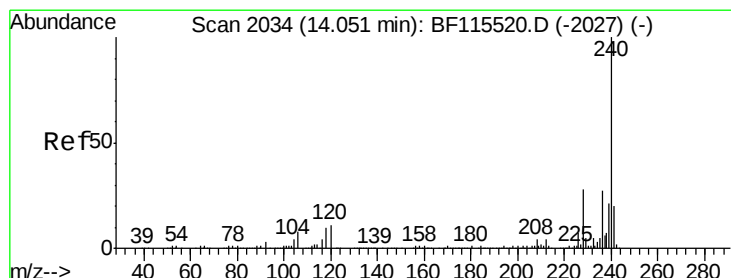
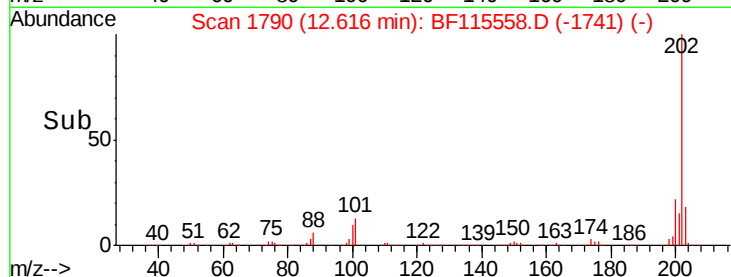
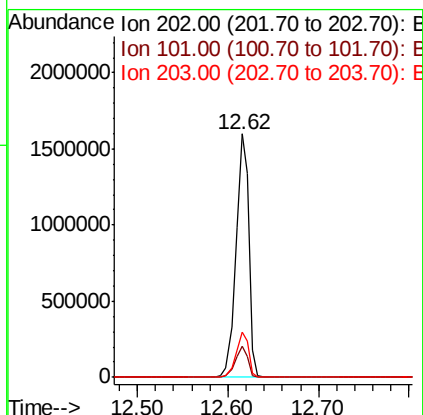
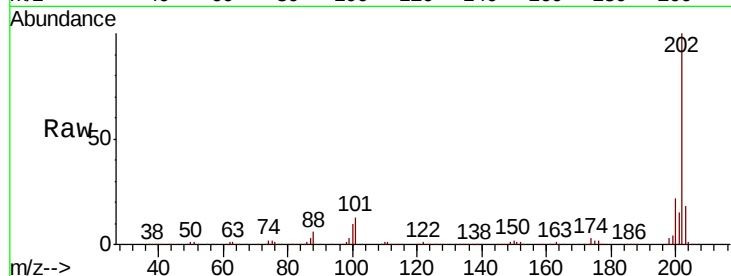




#75  
Fluoranthene  
Concen: 44.847 ng  
RT: 12.62 min Scan# 1790  
Delta R.T. -0.01 min  
Lab File: BF115558.D  
Acq: 15 Jul 2019 16:05

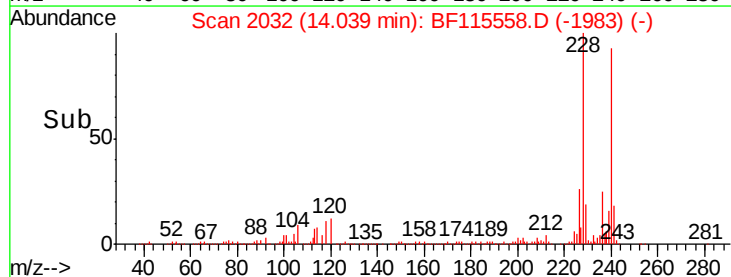
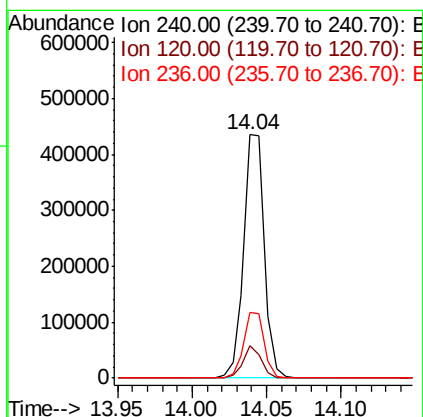
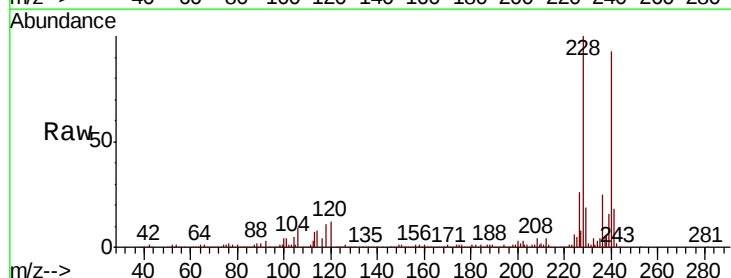
Instrument :  
BNA\_F  
ClientSampleId :  
PB121261BS

Tot Ion:202 Resp: 1605485  
Ion Ratio Lower Upper  
202 100  
101 13.0 0.0 31.4  
203 18.5 0.0 38.1



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.04 min Scan# 2032  
Delta R.T. -0.01 min  
Lab File: BF115558.D  
Acq: 15 Jul 2019 16:05

Tgt Ion:240 Resp: 418560  
Ion Ratio Lower Upper  
240 100  
120 13.3 8.6 13.0#  
236 27.1 21.3 31.9





#77

Benzidine

Concen: 56.011 ng

RT: 12.73 min Scan# 1810

Delta R.T. -0.01 min

Lab File: BF115558.D

Acq: 15 Jul 2019 16:05

Instrument :

BNA\_F

ClientSampleId :

PB121261BS

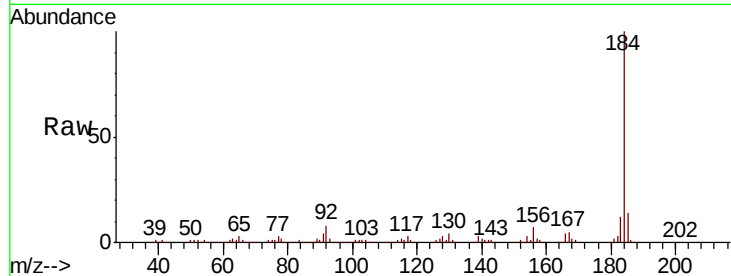
Tot Ion:184 Resp: 830511

Ion Ratio Lower Upper

184 100

185 14.4 12.0 18.0

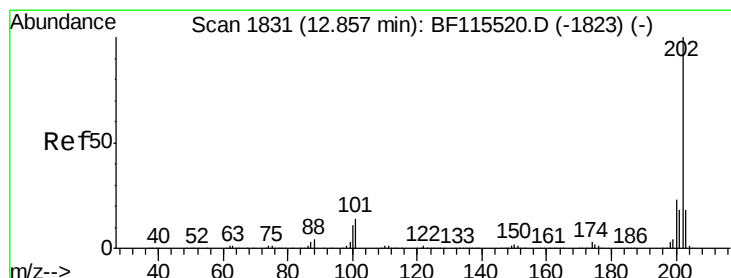
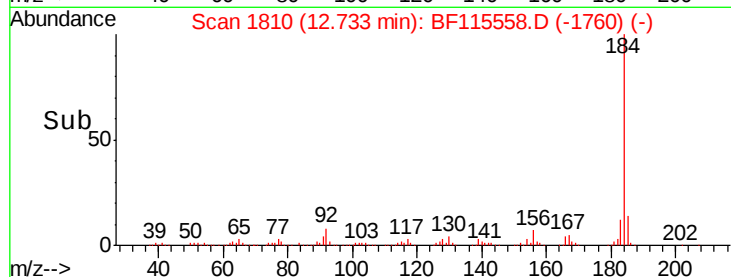
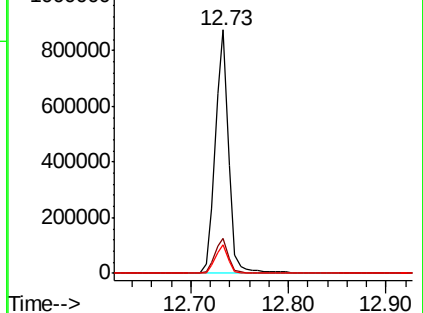
183 11.8 9.3 13.9



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 45.237 ng

RT: 12.84 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF115558.D

Acq: 15 Jul 2019 16:05

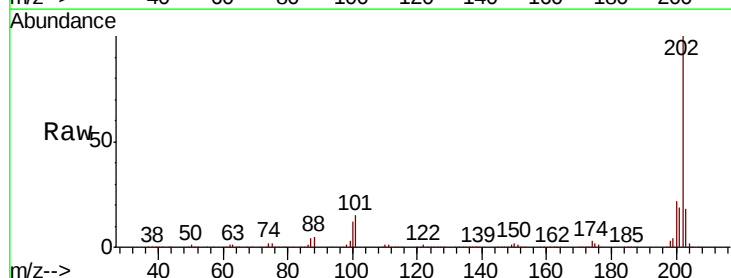
Tgt Ion:202 Resp: 1604207

Ion Ratio Lower Upper

202 100

200 22.2 18.7 28.1

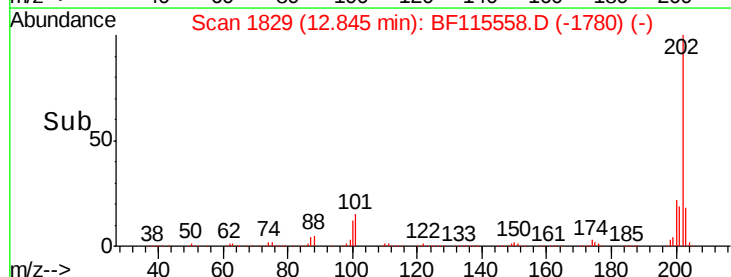
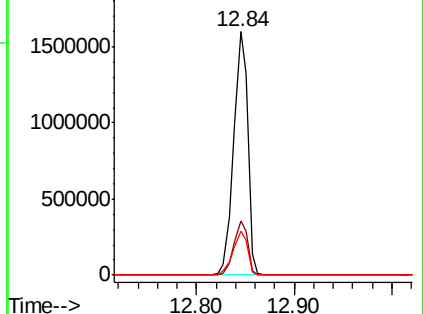
203 18.2 15.2 22.8



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: 91.199 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF115558.D

Acq: 15 Jul 2019 16:05

Instrument :

BNA\_F

ClientSampleId :

PB121261BS

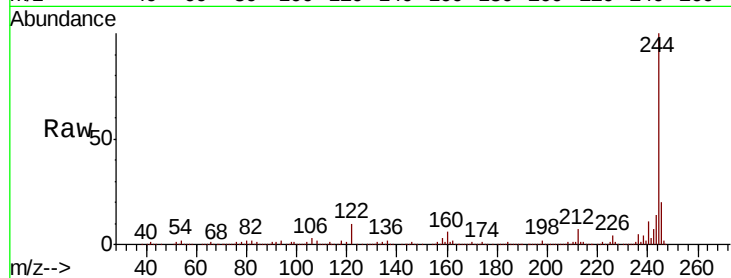
Tot Ion:244 Resp: 2068778

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

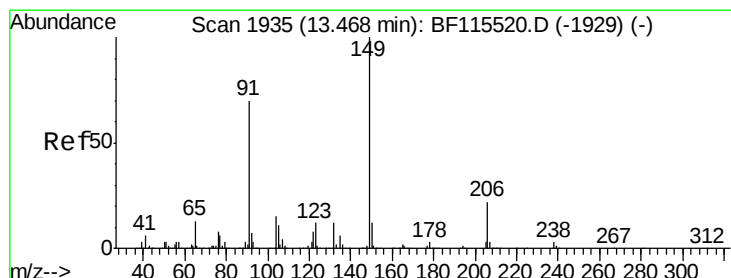
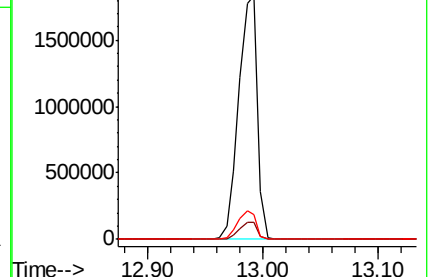
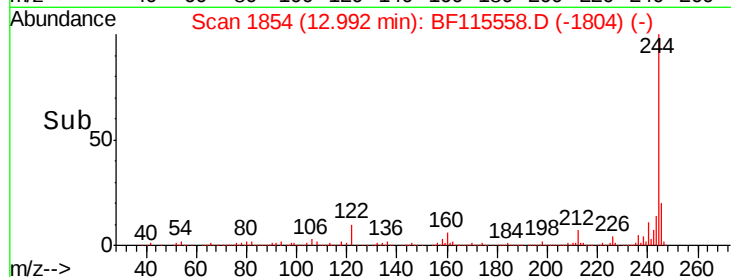
122 10.0 8.6 12.8



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: 45.518 ng

RT: 13.46 min Scan# 1934

Delta R.T. -0.01 min

Lab File: BF115558.D

Acq: 15 Jul 2019 16:05

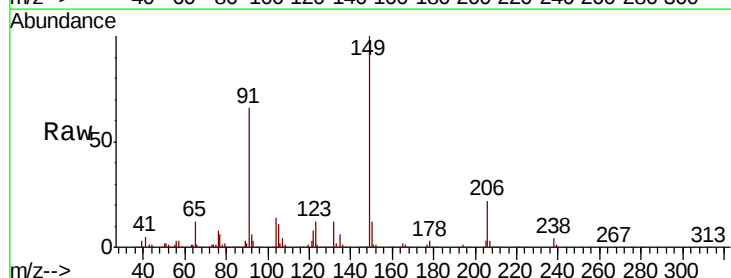
Tgt Ion:149 Resp: 688104

Ion Ratio Lower Upper

149 100

91 66.3 55.8 83.8

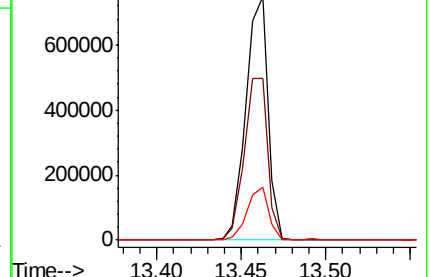
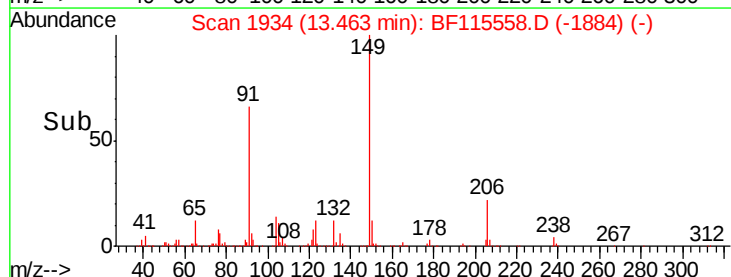
206 21.7 18.2 27.2

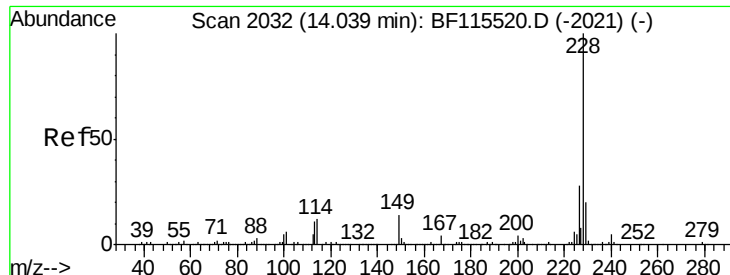


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 46.323 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF115558.D

Acq: 15 Jul 2019 16:05

Instrument :

BNA\_F

ClientSampleId :

PB121261BS

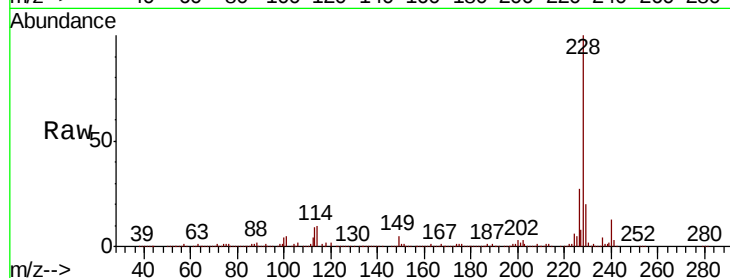
Tot Ion:228 Resp: 1277340

Ion Ratio Lower Upper

228 100

226 27.1 23.4 35.0

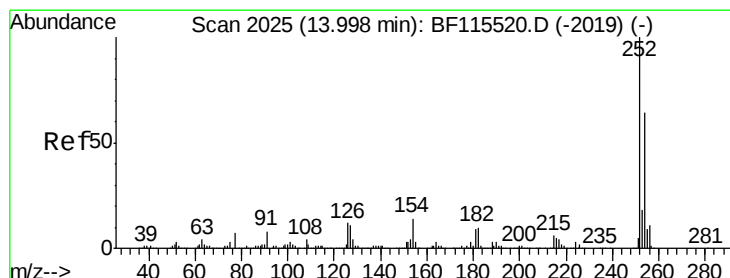
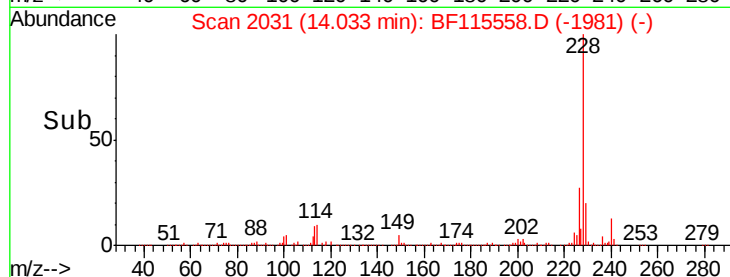
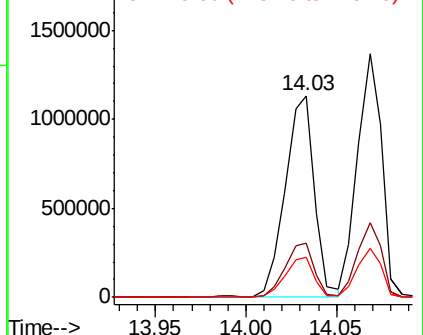
229 20.0 17.2 25.8



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



#82

3,3'-Dichlorobenzidine

Concen: 38.609 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF115558.D

Acq: 15 Jul 2019 16:05

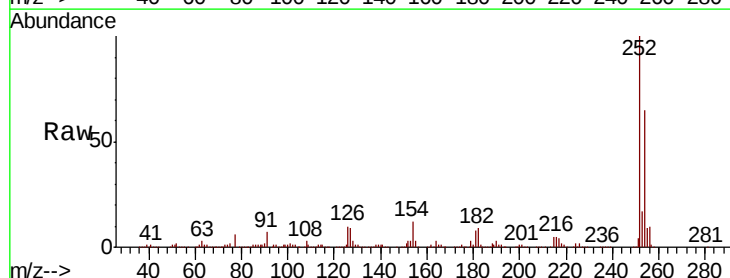
Tgt Ion:252 Resp: 378476

Ion Ratio Lower Upper

252 100

254 64.5 52.9 79.3

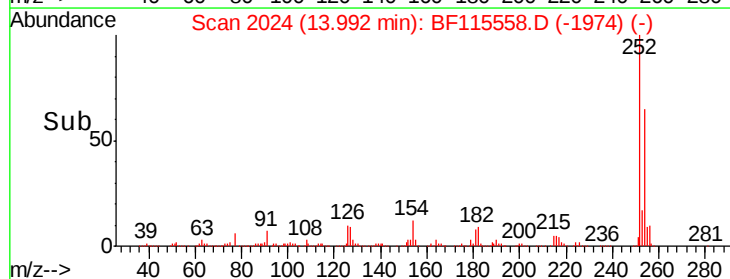
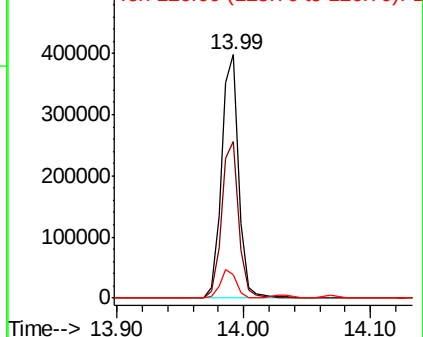
126 9.6 9.9 14.9#

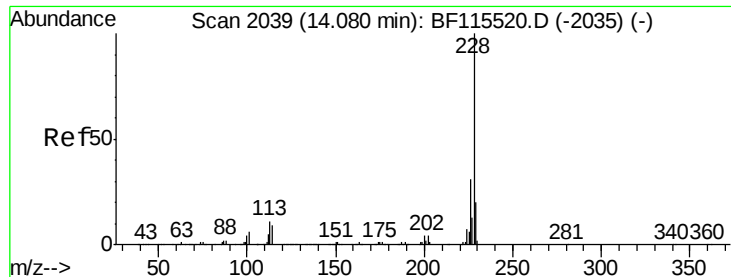


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 46.648 ng

RT: 14.07 min Scan# 2037

Delta R.T. -0.01 min

Lab File: BF115558.D

Acq: 15 Jul 2019 16:05

Instrument :

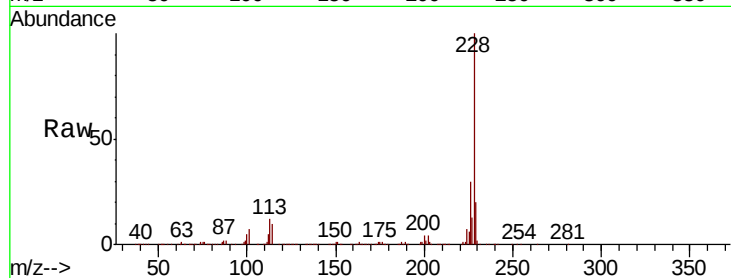
BNA\_F

ClientSampleId :

PB121261BS

Tot Ion:228 Resp: 1291270

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 30.5  | 25.7  | 38.5  |
| 229 | 20.2  | 16.6  | 25.0  |

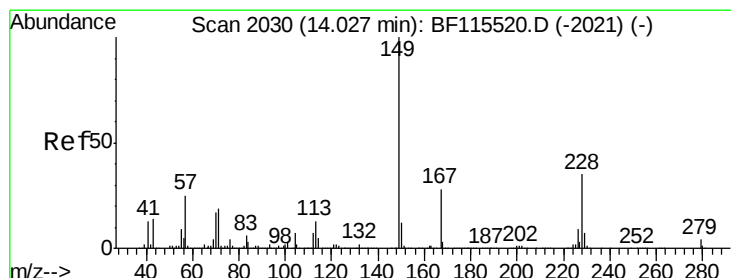
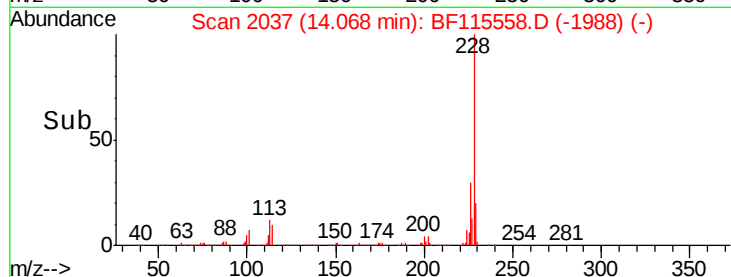
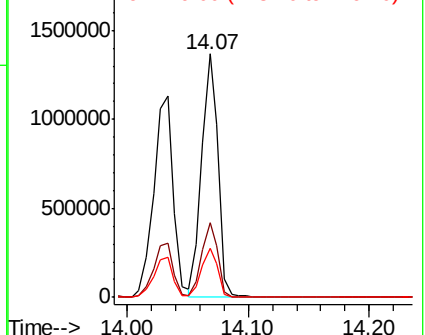


Abundance

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: 45.813 ng

RT: 14.02 min Scan# 2029

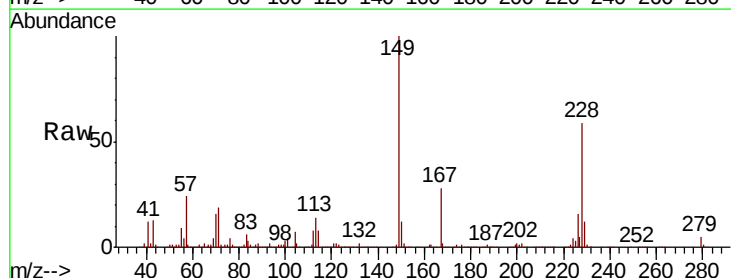
Delta R.T. -0.01 min

Lab File: BF115558.D

Acq: 15 Jul 2019 16:05

Tgt Ion:149 Resp: 857876

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 28.3  | 23.0  | 34.4  |
| 279 | 4.6   | 4.2   | 6.2   |

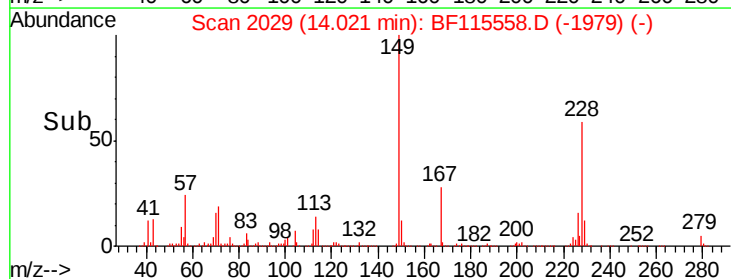
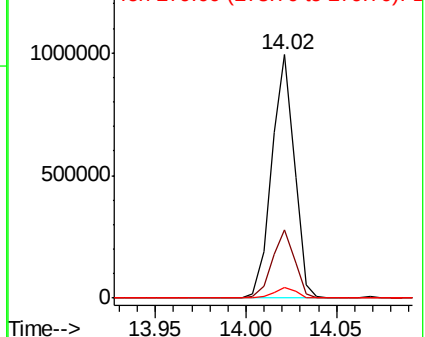


Abundance

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: 51.864 ng

RT: 14.63 min Scan# 2133

Delta R.T. -0.01 min

Lab File: BF115558.D

Acq: 15 Jul 2019 16:05

Instrument :

BNA\_F

ClientSampleId :

PB121261BS

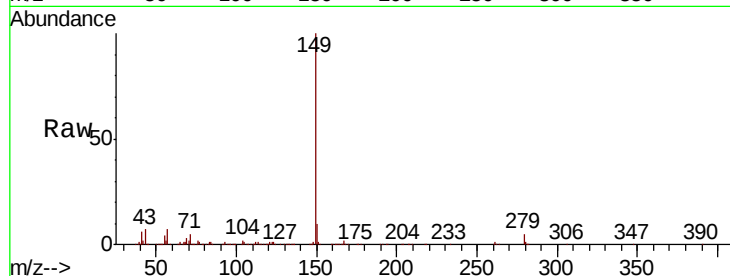
Tot Ion:149 Resp: 1545246

Ion Ratio Lower Upper

149 100

167 1.6 1.4 2.0

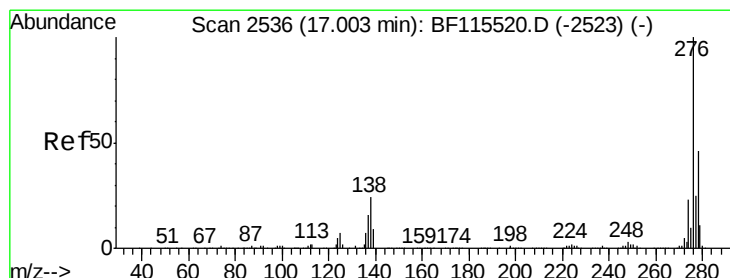
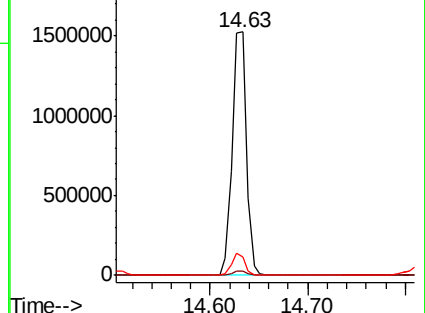
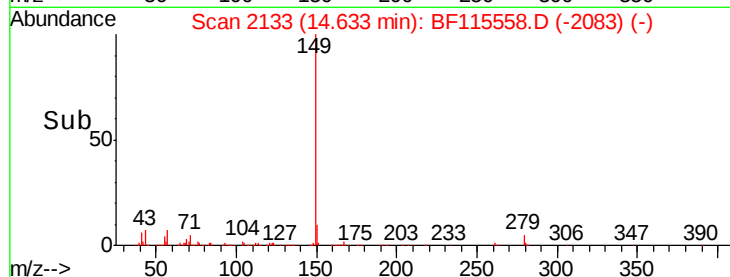
43 8.3 7.2 10.8



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: 46.037 ng

RT: 16.98 min Scan# 2532

Delta R.T. -0.02 min

Lab File: BF115558.D

Acq: 15 Jul 2019 16:05

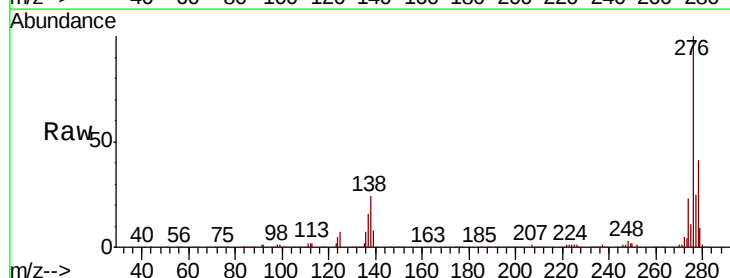
Tgt Ion:276 Resp: 1082673

Ion Ratio Lower Upper

276 100

138 25.1 20.2 30.2

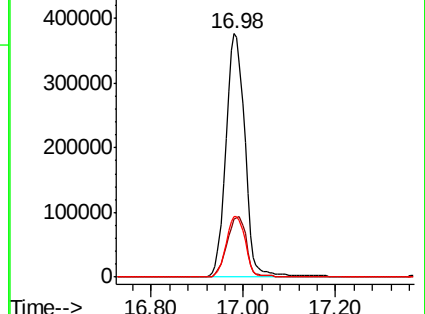
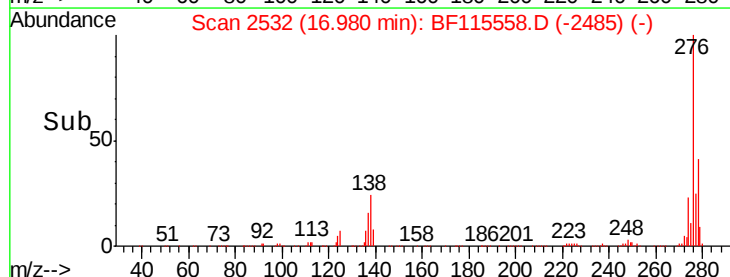
277 25.3 20.4 30.6

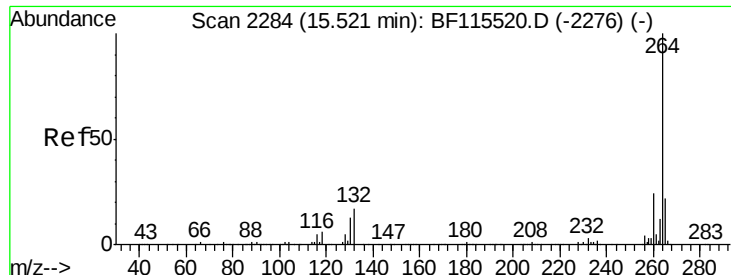


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

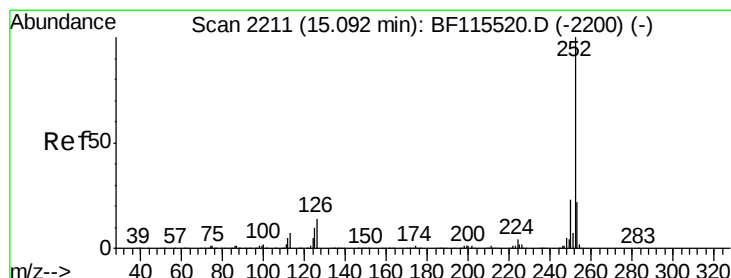
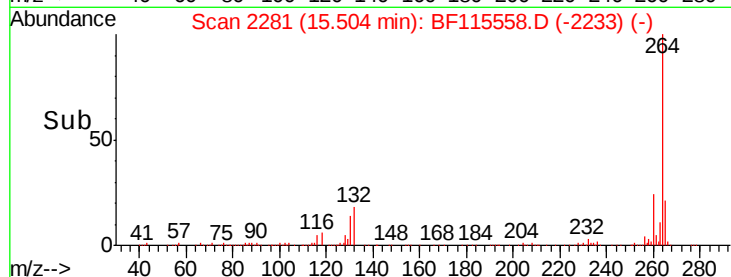
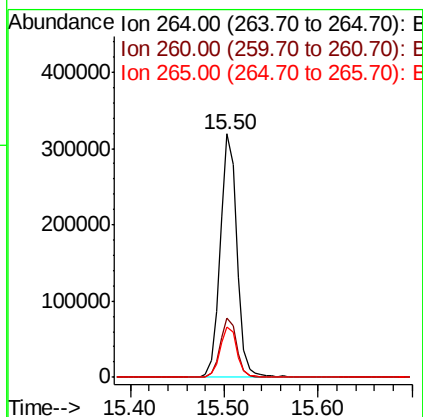
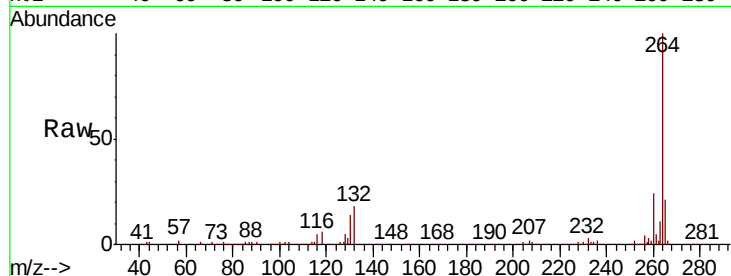




#87  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 15.50 min Scan# 2281  
 Delta R.T. -0.02 min  
 Lab File: BF115558.D  
 Acq: 15 Jul 2019 16:05

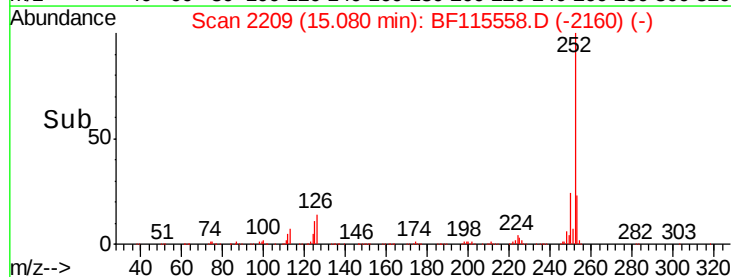
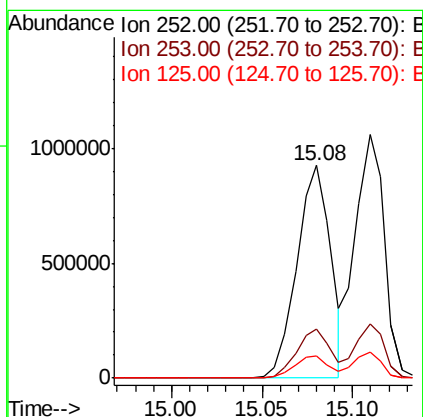
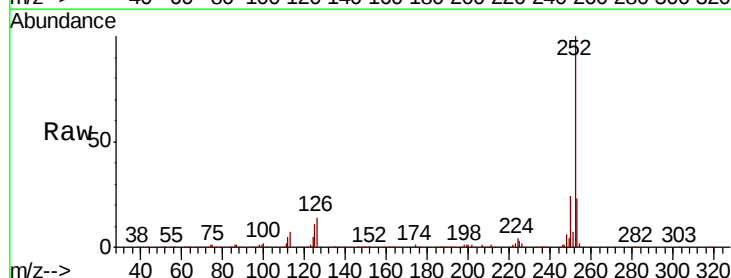
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB121261BS

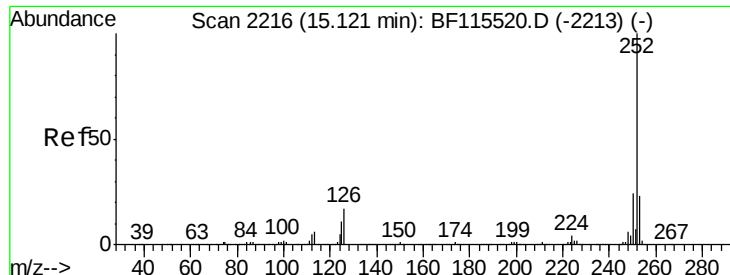
Tot Ion:264 Resp: 396002  
 Ion Ratio Lower Upper  
 264 100  
 260 24.1 19.8 29.8  
 265 20.9 17.7 26.5



#88  
 Benzo(b)fluoranthene  
 Concen: 47.388 ng  
 RT: 15.08 min Scan# 2209  
 Delta R.T. -0.01 min  
 Lab File: BF115558.D  
 Acq: 15 Jul 2019 16:05

Tgt Ion:252 Resp: 1208370  
 Ion Ratio Lower Upper  
 252 100  
 253 23.0 18.1 27.1  
 125 10.6 9.0 13.4

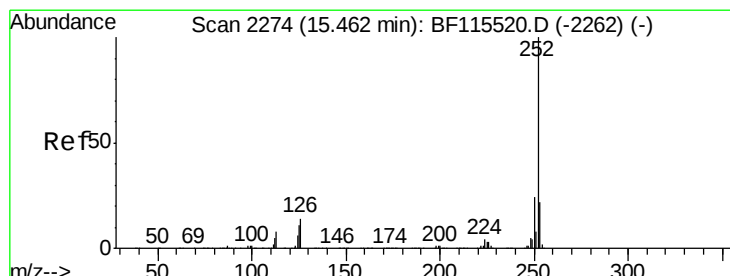
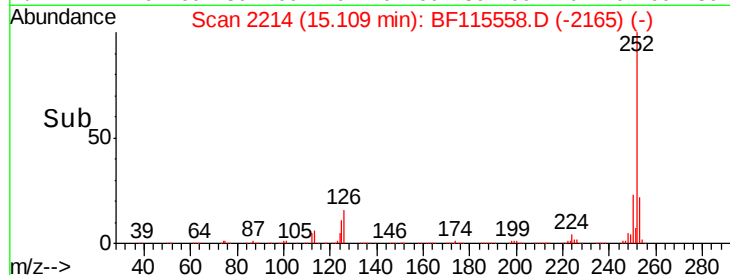
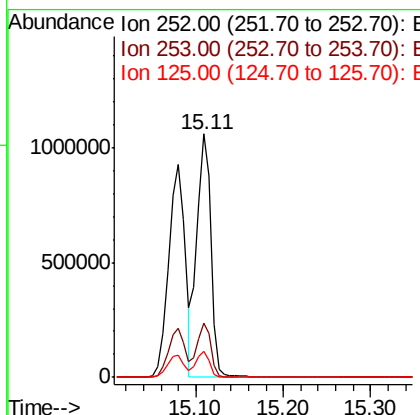
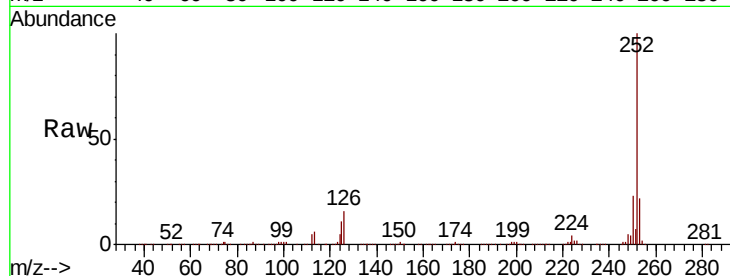




#89  
Benzo(k)fluoranthene  
Concen: 53.090 ng  
RT: 15.11 min Scan# 2214  
Delta R.T. -0.01 min  
Lab File: BF115558.D  
Acq: 15 Jul 2019 16:05

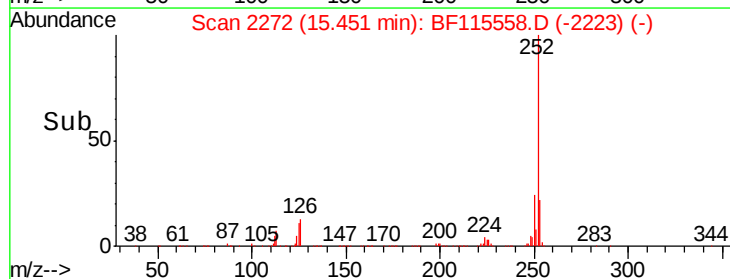
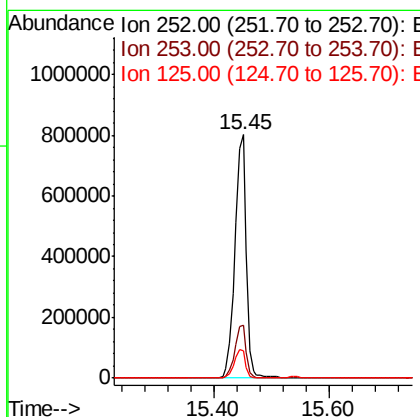
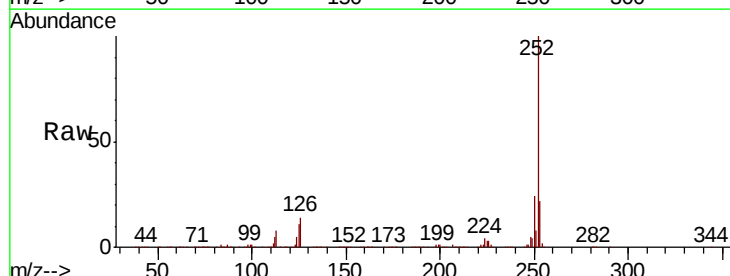
Instrument :  
BNA\_F  
ClientSampleId :  
PB121261BS

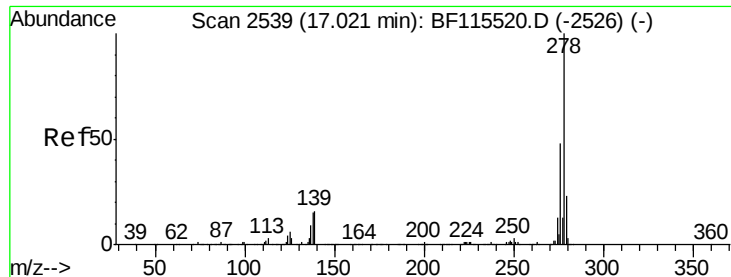
Tot Ion:252 Resp: 1206948  
Ion Ratio Lower Upper  
252 100  
253 22.1 18.6 28.0  
125 10.9 9.0 13.6



#90  
Benzo(a)pyrene  
Concen: 49.829 ng  
RT: 15.45 min Scan# 2272  
Delta R.T. -0.01 min  
Lab File: BF115558.D  
Acq: 15 Jul 2019 16:05

Tgt Ion:252 Resp: 1092080  
Ion Ratio Lower Upper  
252 100  
253 22.0 17.8 26.6  
125 11.0 9.1 13.7





#91

Dibenzo(a,h)anthracene

Concen: 47.580 ng

RT: 17.00 min Scan# 2535

Delta R.T. -0.02 min

Lab File: BF115558.D

Acq: 15 Jul 2019 16:05

Instrument :

BNA\_F

ClientSampleId :

PB121261BS

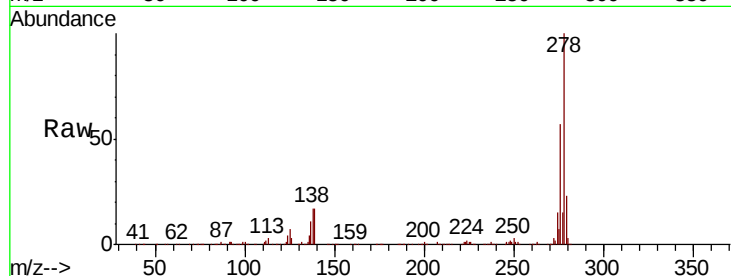
Tot Ion:278 Resp: 915464

Ion Ratio Lower Upper

278 100

139 16.9 13.1 19.7

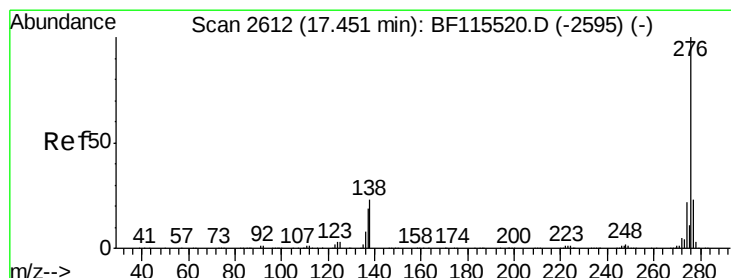
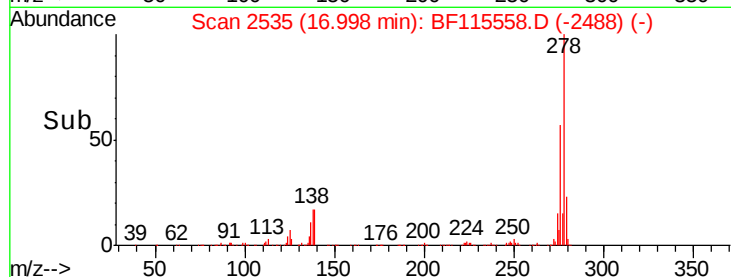
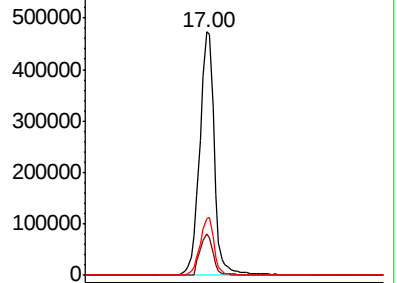
279 23.2 19.6 29.4



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 45.022 ng

RT: 17.43 min Scan# 2608

Delta R.T. -0.02 min

Lab File: BF115558.D

Acq: 15 Jul 2019 16:05

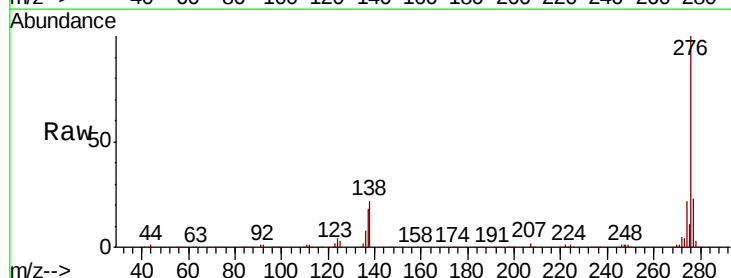
Tgt Ion:276 Resp: 863918

Ion Ratio Lower Upper

276 100

277 22.5 19.0 28.4

138 21.5 17.2 25.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

