

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052519\  
 Data File : BF114611.D  
 Acq On : 25 May 2019 18:31  
 Operator : JU/SJ  
 Sample : PB119943BSD  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB119943BSD

Quant Time: May 26 23:45:05 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri May 24 07:23:33 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.80  | 152  | 180637   | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8        | 8.08  | 136  | 725880   | 20.00 | ng    | -0.02    |
| 39) Acenaphthene-d10      | 9.84  | 164  | 356846   | 20.00 | ng    | -0.01    |
| 64) Phenanthrene-d10      | 11.33 | 188  | 698230   | 20.00 | ng    | -0.01    |
| 76) Chrysene-d12          | 13.97 | 240  | 469320   | 20.00 | ng    | -0.02    |
| 87) Perylene-d12          | 15.43 | 264  | 496637   | 20.00 | ng    | -0.02    |

## System Monitoring Compounds

|                          |       |     |         |        |    |       |
|--------------------------|-------|-----|---------|--------|----|-------|
| 5) 2-Fluorophenol        | 5.44  | 112 | 1197989 | 106.73 | ng | 0.00  |
| 7) Phenol-d6             | 6.45  | 99  | 1488529 | 112.12 | ng | -0.01 |
| 23) Nitrobenzene-d5      | 7.37  | 82  | 1040077 | 80.41  | ng | -0.01 |
| 42) 2,4,6-Tribromophenol | 10.63 | 330 | 376618  | 102.09 | ng | -0.01 |
| 45) 2-Fluorobiphenyl     | 9.16  | 172 | 1852445 | 78.52  | ng | -0.02 |
| 79) Terphenyl-d14        | 12.91 | 244 | 1836767 | 80.68  | ng | 0.00  |

## Target Compounds

|                                |      |     |         |        |    | Qvalue |
|--------------------------------|------|-----|---------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.60 | 88  | 173119  | 28.059 | ng | 99     |
| 3) Pyridine                    | 3.36 | 79  | 449915  | 26.467 | ng | 100    |
| 4) n-Nitrosodimethylamine      | 3.30 | 42  | 242406  | 29.571 | ng | 97     |
| 6) Aniline                     | 6.47 | 93  | 446900  | 23.303 | ng | # 34   |
| 8) 2-Chlorophenol              | 6.59 | 128 | 454651  | 37.941 | ng | 97     |
| 9) Benzaldehyde                | 6.35 | 77  | 224049  | 24.106 | ng | 98     |
| 10) Phenol                     | 6.46 | 94  | 557174  | 35.676 | ng | 83     |
| 11) bis(2-Chloroethyl)ether    | 6.54 | 93  | 428306  | 36.124 | ng | 97     |
| 12) 1,3-Dichlorobenzene        | 6.74 | 146 | 470008  | 34.942 | ng | 98     |
| 13) 1,4-Dichlorobenzene        | 6.82 | 146 | 478804  | 35.324 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 6.97 | 146 | 442575  | 35.739 | ng | 98     |
| 15) Benzyl Alcohol             | 6.95 | 79  | 361906  | 34.952 | ng | 97     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.07 | 45  | 774790  | 33.702 | ng | 51     |
| 17) 2-Methylphenol             | 7.07 | 107 | 358688  | 36.439 | ng | # 91   |
| 18) Hexachloroethane           | 7.31 | 117 | 177616  | 34.910 | ng | 96     |
| 19) n-Nitroso-di-n-propylamine | 7.22 | 70  | 312935  | 37.188 | ng | 99     |
| 20) 3+4-Methylphenols          | 7.22 | 107 | 473619  | 41.644 | ng | # 72   |
| 22) Acetophenone               | 7.21 | 105 | 610545  | 37.968 | ng | # 89   |
| 24) Nitrobenzene               | 7.39 | 77  | 474215  | 35.997 | ng | 99     |
| 25) Isophorone                 | 7.63 | 82  | 871425  | 36.327 | ng | 99     |
| 26) 2-Nitrophenol              | 7.70 | 139 | 245732  | 38.447 | ng | 96     |
| 27) 2,4-Dimethylphenol         | 7.75 | 122 | 399728  | 39.820 | ng | 97     |
| 28) bis(2-Chloroethoxy)methane | 7.83 | 93  | 551439  | 35.429 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 7.95 | 162 | 383745  | 38.391 | ng | 99     |
| 30) 1,2,4-Trichlorobenzene     | 8.03 | 180 | 401343  | 35.309 | ng | 99     |
| 31) Naphthalene                | 8.10 | 128 | 1287124 | 37.960 | ng | 98     |
| 32) Benzoic acid               | 7.90 | 122 | 232614  | 34.766 | ng | 97     |
| 33) 4-Chloroaniline            | 8.16 | 127 | 304663  | 19.718 | ng | 97     |
| 34) Hexachlorobutadiene        | 8.22 | 225 | 221899  | 34.311 | ng | 99     |
| 35) Caprolactam                | 8.53 | 113 | 66789   | 20.491 | ng | 93     |
| 36) 4-Chloro-3-methylphenol    | 8.66 | 107 | 401526  | 39.907 | ng | 100    |
| 37) 2-Methylnaphthalene        | 8.80 | 142 | 870880  | 39.809 | ng | 98     |
| 38) 1-Methylnaphthalene        | 8.90 | 142 | 823225  | 39.959 | ng | 100    |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.97 | 216 | 396472  | 36.678 | ng | 99     |

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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri May 24 07:23:33 2019  
 Response via : Initial Calibration

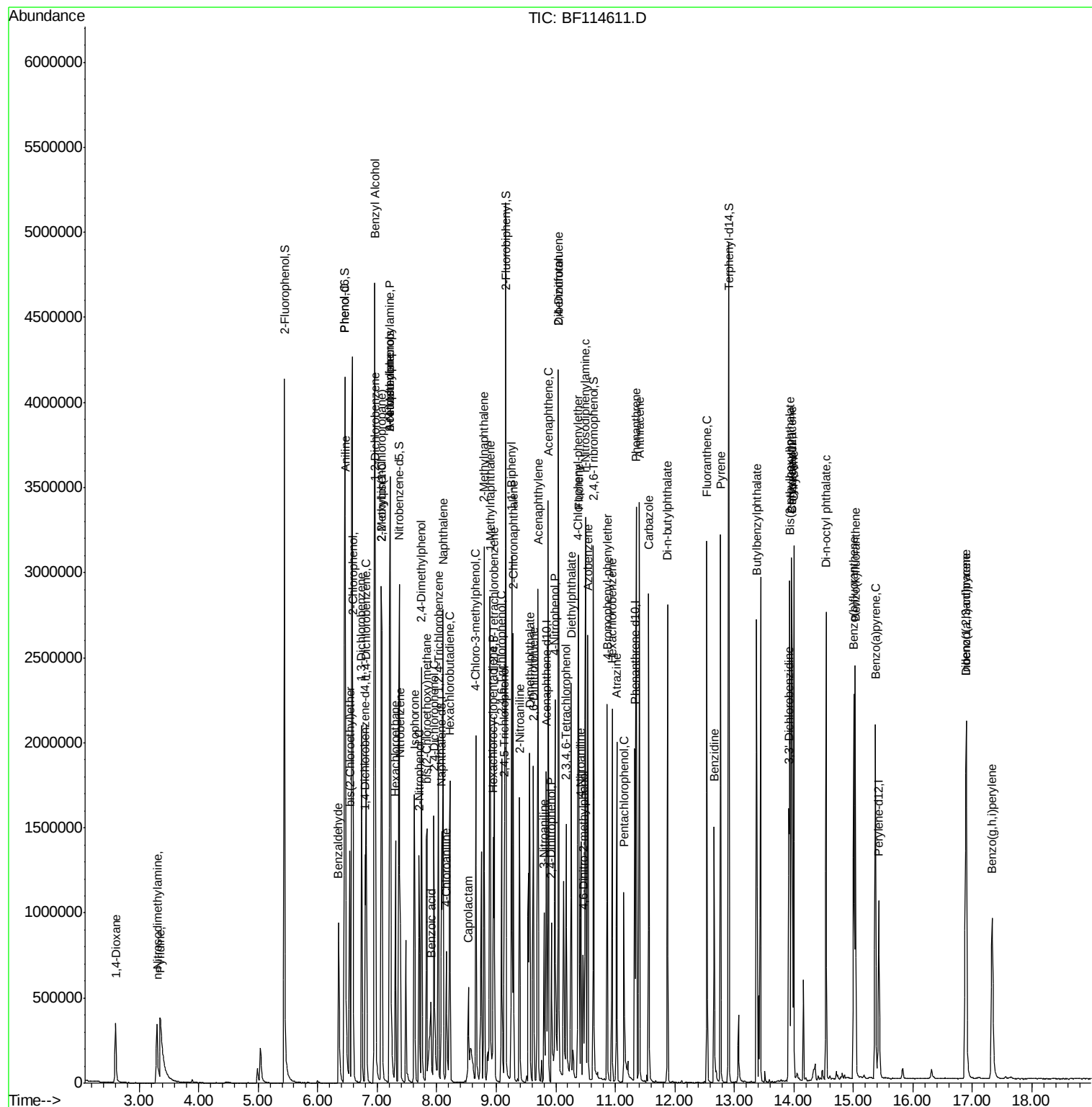
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 8.95  | 237  | 191866   | 40.364 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol      | 9.09  | 196  | 251305   | 33.799 | ng    | 97       |
| 44) 2,4,5-Trichlorophenol      | 9.13  | 196  | 254961   | 33.437 | ng    | 96       |
| 46) 1,1'-Biphenyl              | 9.26  | 154  | 1073897  | 37.251 | ng    | 97       |
| 47) 2-Chloronaphthalene        | 9.29  | 162  | 809447   | 34.889 | ng    | 98       |
| 48) 2-Nitroaniline             | 9.39  | 65   | 274947   | 33.416 | ng    | 95       |
| 49) Acenaphthylene             | 9.70  | 152  | 1270637  | 36.009 | ng    | 98       |
| 50) Dimethylphthalate          | 9.56  | 163  | 924486   | 35.291 | ng    | 99       |
| 51) 2,6-Dinitrotoluene         | 9.63  | 165  | 208611   | 35.904 | ng    | 88       |
| 52) Acenaphthene               | 9.87  | 154  | 751992   | 34.728 | ng    | 100      |
| 53) 3-Nitroaniline             | 9.80  | 138  | 157546   | 21.844 | ng    | 97       |
| 54) 2,4-Dinitrophenol          | 9.93  | 184  | 176433   | 62.043 | ng    | 93       |
| 55) Dibenzofuran               | 10.05 | 168  | 1085591  | 34.190 | ng    | 100      |
| 56) 4-Nitrophenol              | 9.99  | 139  | 210461   | 41.262 | ng    | 95       |
| 57) 2,4-Dinitrotoluene         | 10.05 | 165  | 258457   | 32.773 | ng    | # 80     |
| 58) Fluorene                   | 10.39 | 166  | 902421   | 36.795 | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol  | 10.17 | 232  | 220319   | 33.487 | ng    | 99       |
| 60) Diethylphthalate           | 10.26 | 149  | 940446   | 35.333 | ng    | 97       |
| 61) 4-Chlorophenyl-phenylether | 10.37 | 204  | 431177   | 35.795 | ng    | 96       |
| 62) 4-Nitroaniline             | 10.42 | 138  | 221600   | 29.239 | ng    | 97       |
| 63) Azobenzene                 | 10.54 | 77   | 899748   | 34.923 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylphenol | 10.46 | 198  | 120936   | 36.046 | ng    | 97       |
| 66) n-Nitrosodiphenylamine     | 10.50 | 169  | 799013   | 37.705 | ng    | 98       |
| 67) 4-Bromophenyl-phenylether  | 10.86 | 248  | 271288   | 35.288 | ng    | 97       |
| 68) Hexachlorobenzene          | 10.94 | 284  | 289503   | 34.040 | ng    | 95       |
| 69) Atrazine                   | 11.03 | 200  | 233656   | 35.431 | ng    | 99       |
| 70) Pentachlorophenol          | 11.14 | 266  | 183646   | 45.551 | ng    | 97       |
| 71) Phenanthrene               | 11.35 | 178  | 1247899  | 36.736 | ng    | 99       |
| 72) Anthracene                 | 11.40 | 178  | 1296694  | 38.004 | ng    | 99       |
| 73) Carbazole                  | 11.56 | 167  | 1213027  | 37.282 | ng    | 99       |
| 74) Di-n-butylphthalate        | 11.88 | 149  | 1409351  | 37.598 | ng    | 100      |
| 75) Fluoranthene               | 12.54 | 202  | 1327259  | 36.283 | ng    | 98       |
| 77) Benzidine                  | 12.66 | 184  | 651605   | 30.930 | ng    | 97       |
| 78) Pyrene                     | 12.77 | 202  | 1329080  | 35.203 | ng    | 100      |
| 80) Butylbenzylphthalate       | 13.37 | 149  | 602628   | 37.922 | ng    | 98       |
| 81) Benzo(a)anthracene         | 13.96 | 228  | 1094696  | 36.063 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine     | 13.92 | 252  | 325236   | 27.619 | ng    | 98       |
| 83) Chrysene                   | 14.00 | 228  | 1073098  | 36.062 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 13.93 | 149  | 791708   | 38.093 | ng    | 99       |
| 85) Di-n-octyl phthalate       | 14.54 | 149  | 1333802  | 39.589 | ng    | 98       |
| 86) Indeno(1,2,3-cd)pyrene     | 16.90 | 276  | 1049758  | 39.917 | ng    | 99       |
| 88) Benzo(b)fluoranthene       | 15.01 | 252  | 1153378  | 36.250 | ng    | 98       |
| 89) Benzo(k)fluoranthene       | 15.03 | 252  | 1025901  | 35.101 | ng    | 100      |
| 90) Benzo(a)pyrene             | 15.37 | 252  | 1062980  | 37.961 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene     | 16.89 | 278  | 874522   | 37.584 | ng    | 99       |
| 92) Benzo(g,h,i)perylene       | 17.33 | 276  | 890868   | 38.205 | ng    | 98       |

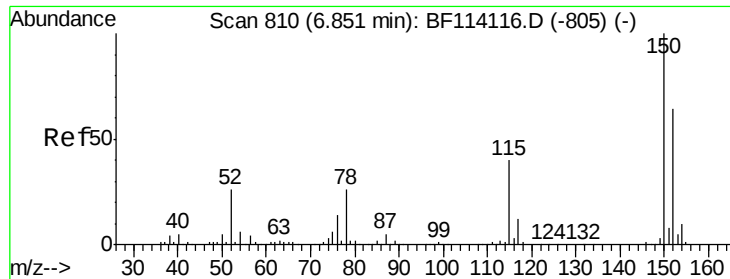
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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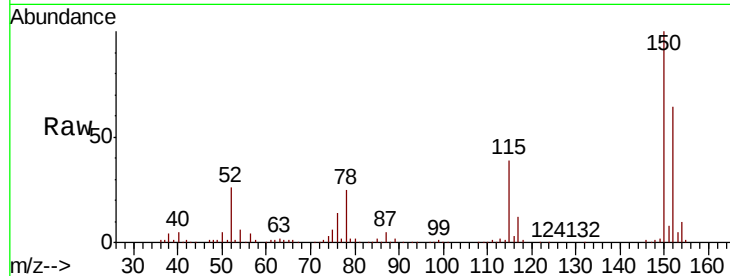


#1

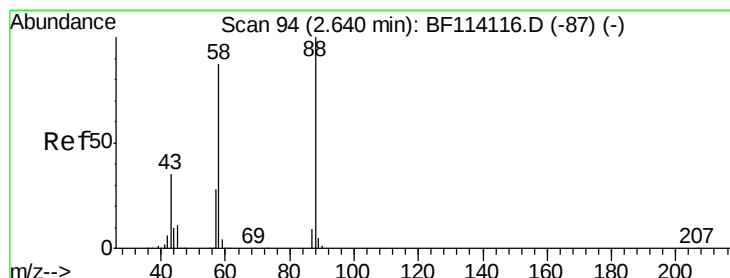
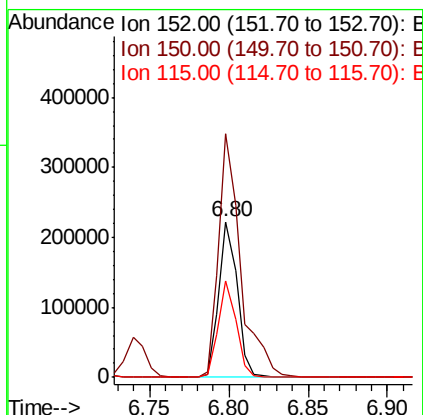
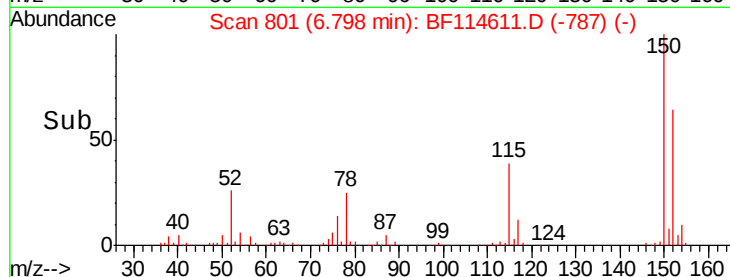
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.80 min Scan# 801  
Delta R.T. -0.02 min  
Lab File: BF114611.D  
Acq: 25 May 2019 18:31

Instrument :  
BNA\_F  
ClientSampleId :  
PB119943BSD

Tot Ion:152 Resp: 180637  
Ion Ratio Lower Upper  
152 100  
150 156.5 124.3 186.5  
115 61.6 49.1 73.7



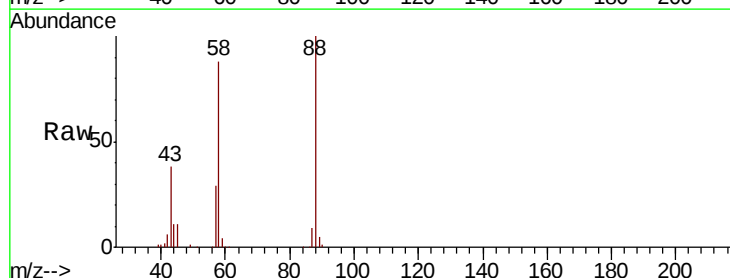
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



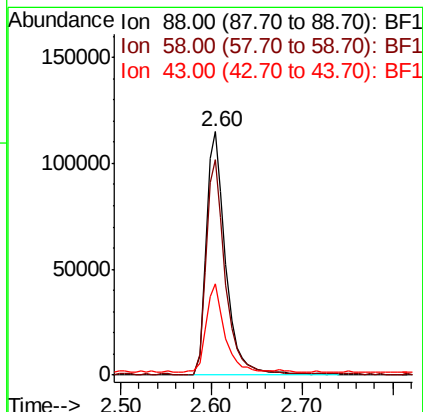
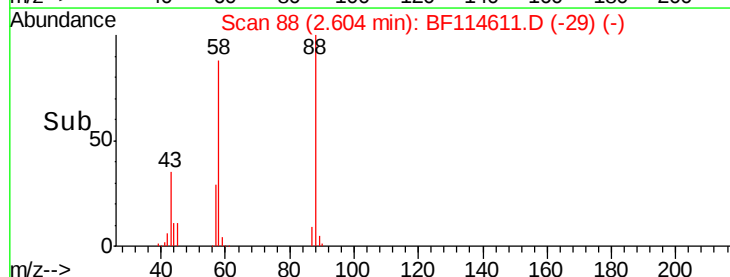
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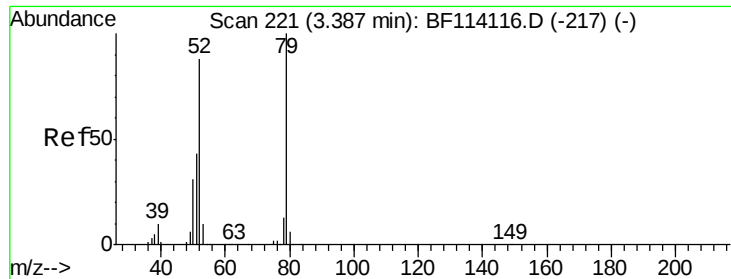
1,4-Dioxane  
Concen: 28.059 ng  
RT: 2.60 min Scan# 88  
Delta R.T. 0.05 min  
Lab File: BF114611.D  
Acq: 25 May 2019 18:31

Tgt Ion: 88 Resp: 173119  
Ion Ratio Lower Upper  
88 100  
58 86.4 68.7 103.1  
43 33.8 28.2 42.2



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: 26.467 ng

RT: 3.36 min Scan# 216

Delta R.T. 0.05 min

Lab File: BF114611.D

Acq: 25 May 2019 18:31

Instrument :

BNA\_F

ClientSampleId :

PB119943BSD

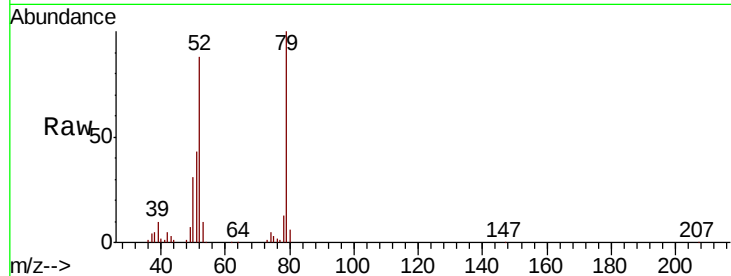
Tot Ion: 79 Resp: 449915

Ion Ratio Lower Upper

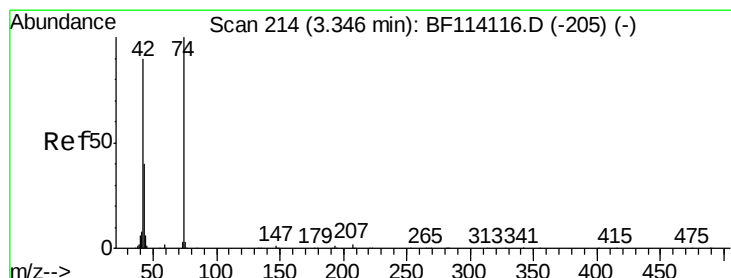
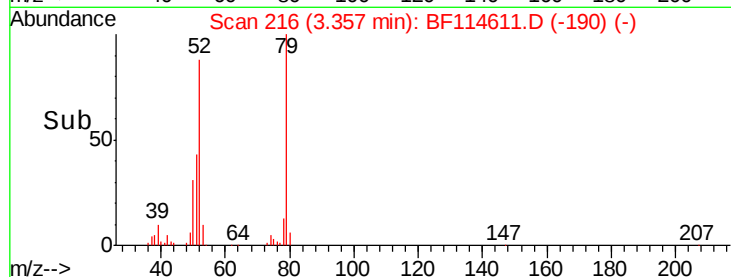
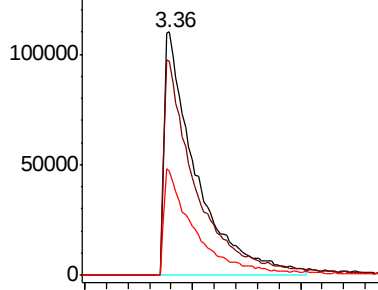
79 100

52 87.8 70.6 105.8

51 42.7 34.2 51.2



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



#4

n-Nitrosodimethylamine

Concen: 29.571 ng

RT: 3.30 min Scan# 207

Delta R.T. 0.04 min

Lab File: BF114611.D

Acq: 25 May 2019 18:31

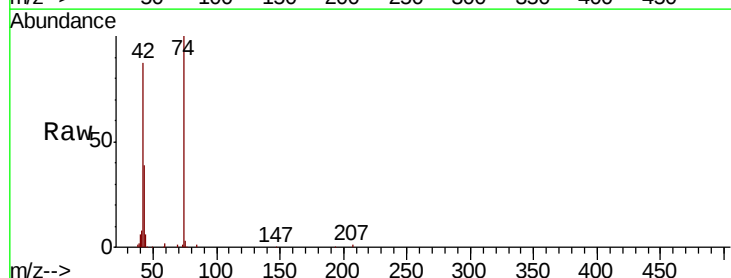
Tgt Ion: 42 Resp: 242406

Ion Ratio Lower Upper

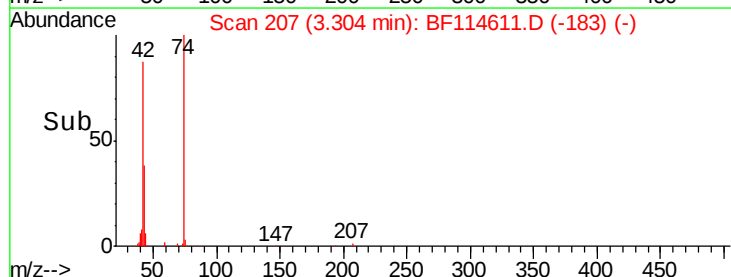
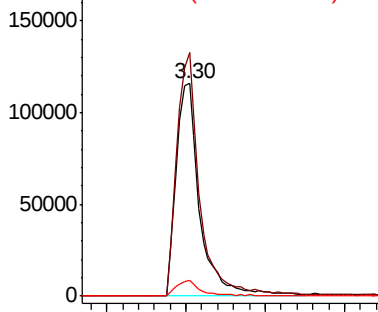
42 100

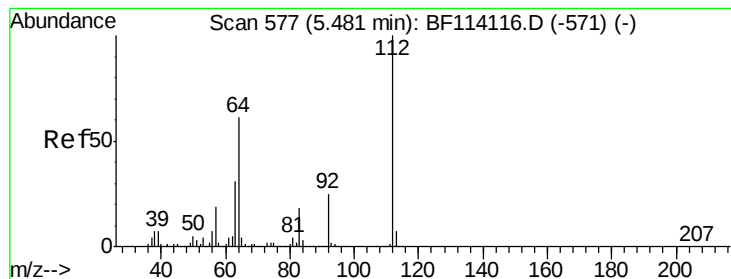
74 114.5 88.6 132.8

44 7.2 5.5 8.3



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





#5

2-Fluorophenol

Concen: 106.727 ng

RT: 5.44 min Scan# 570

Delta R.T. -0.01 min

Lab File: BF114611.D

Acq: 25 May 2019 18:31

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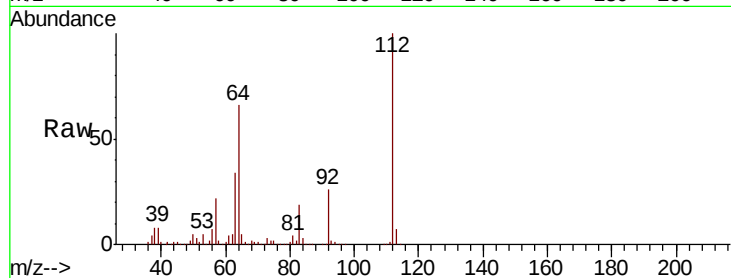
Tot Ion:112 Resp: 1197989

Ion Ratio Lower Upper

112 100

64 65.6 49.0 73.6

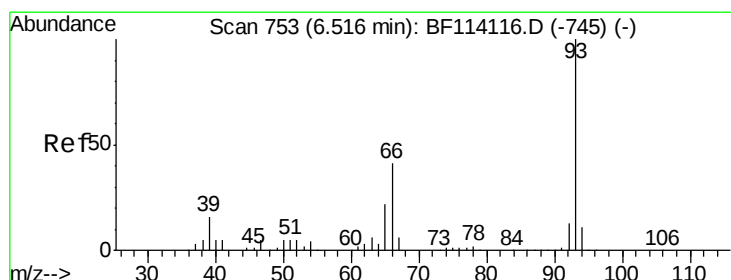
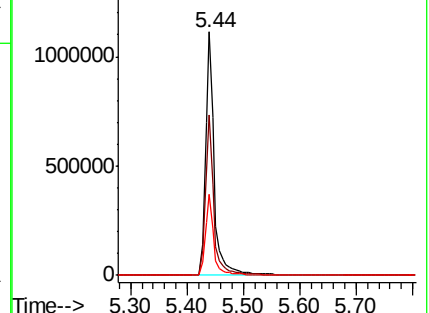
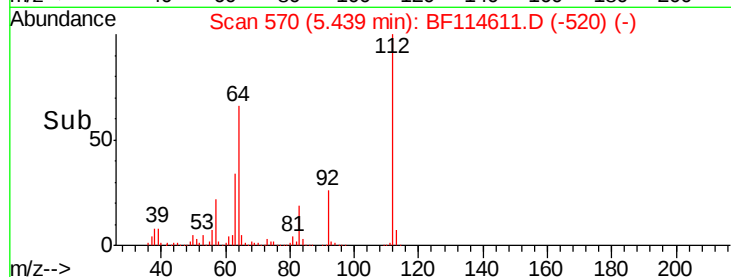
63 33.5 24.6 37.0



Abundance Ion 112.00 (111.70 to 112.70): E

1500000 Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 23.303 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF114611.D

Acq: 25 May 2019 18:31

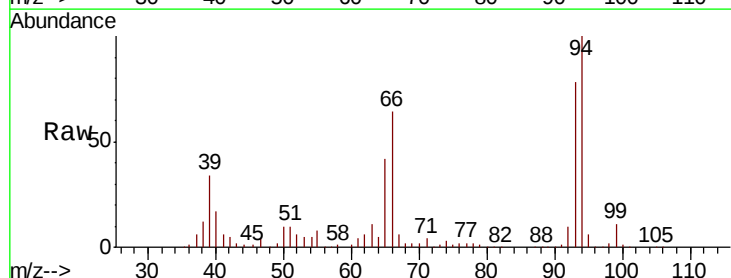
Tgt Ion: 93 Resp: 446900

Ion Ratio Lower Upper

93 100

66 82.7 33.2 49.8#

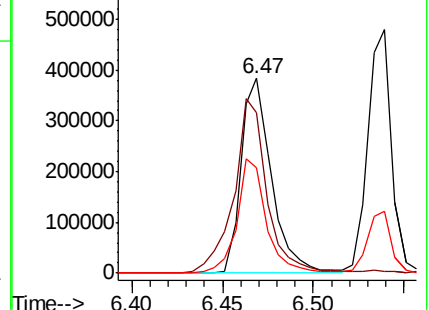
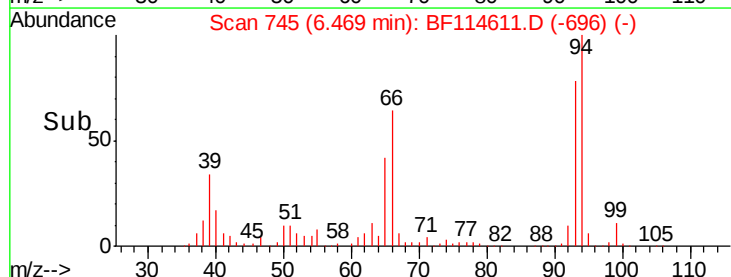
65 54.2 17.6 26.4#



Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 112.122 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF114611.D

Acq: 25 May 2019 18:31

Instrument :

BNA\_F

ClientSampleId :

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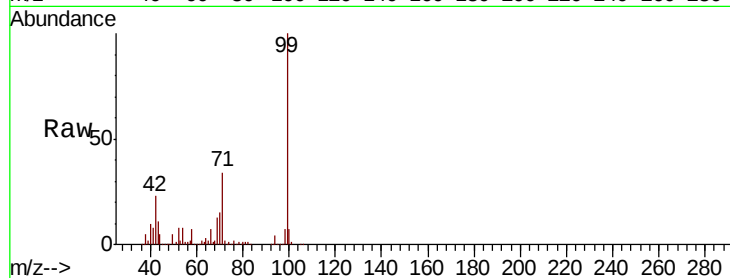
Tot Ion: 99 Resp: 1488529

Ion Ratio Lower Upper

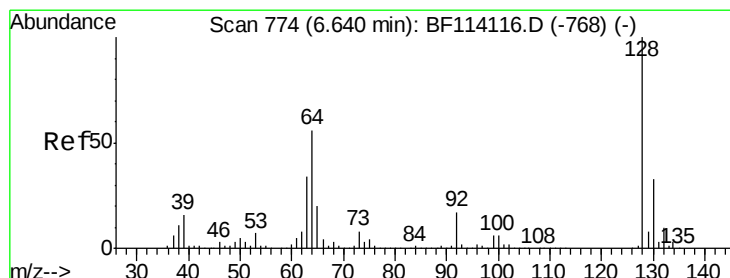
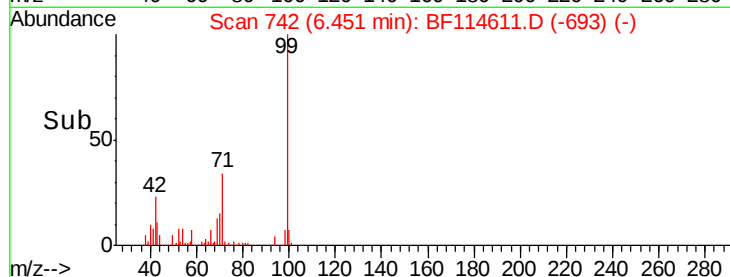
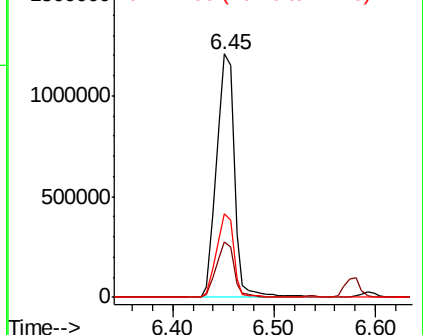
99 100

42 23.0 17.9 26.9

71 34.5 26.2 39.2



Abundance Ion 99.00 (98.70 to 99.70): BF1  
Ion 42.00 (41.70 to 42.70): BF1  
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 37.941 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF114611.D

Acq: 25 May 2019 18:31

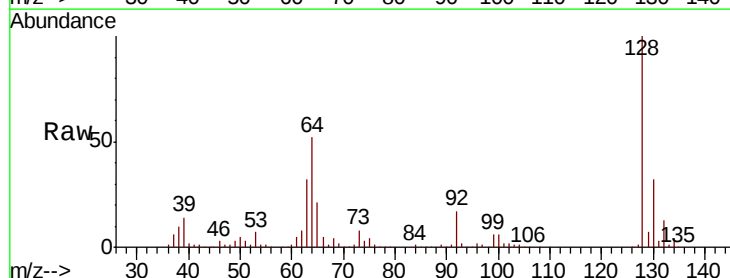
Tgt Ion: 128 Resp: 454651

Ion Ratio Lower Upper

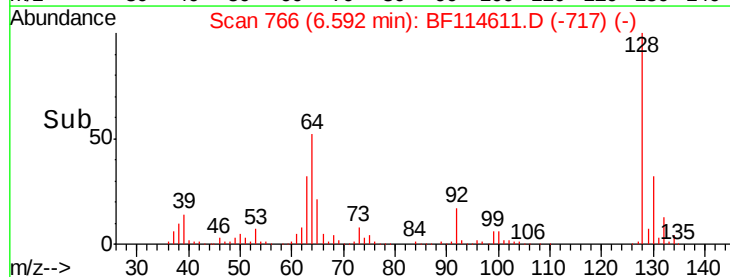
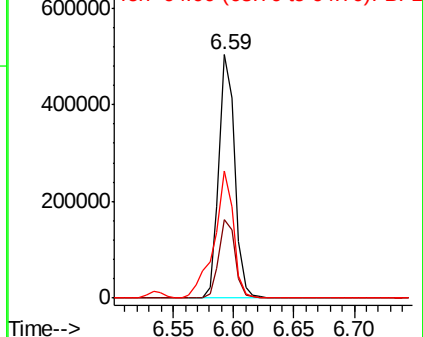
128 100

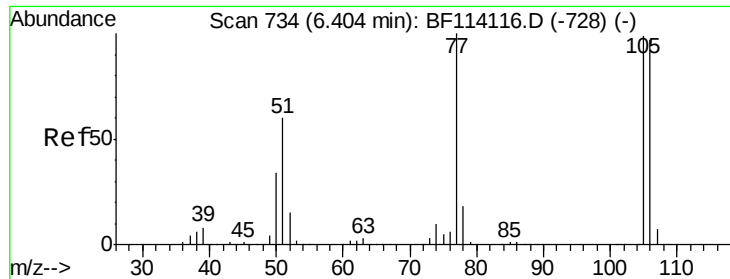
130 32.2 12.6 52.6

64 52.3 35.9 75.9



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

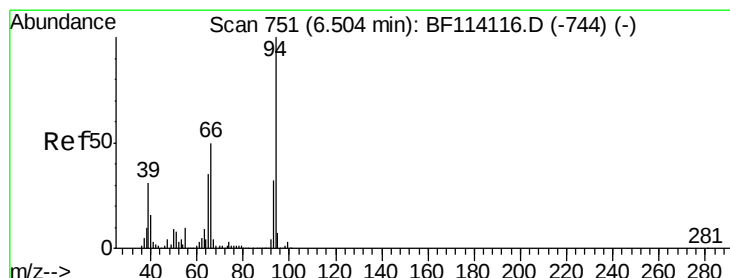
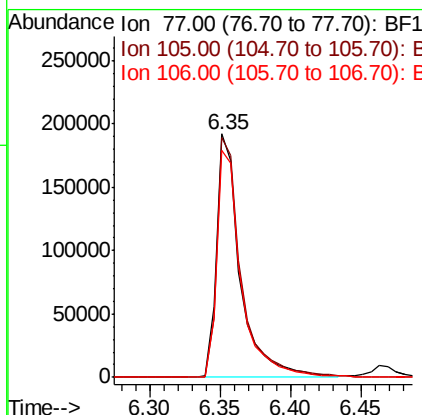
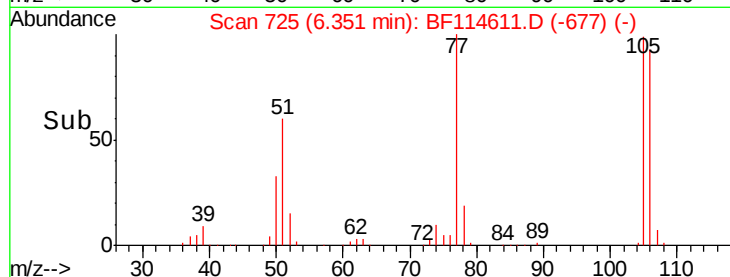
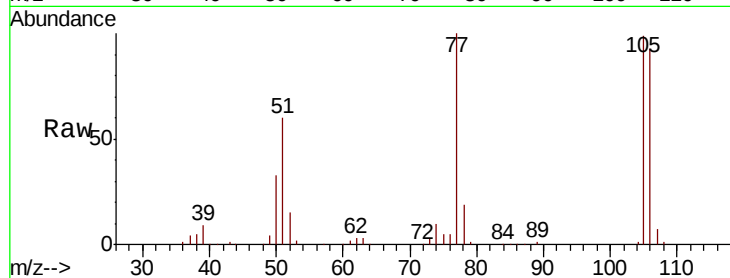




#9  
Benzaldehyde  
Concen: 24.106 ng  
RT: 6.35 min Scan# 725  
Delta R.T. -0.02 min  
Lab File: BF114611.D  
Acq: 25 May 2019 18:31

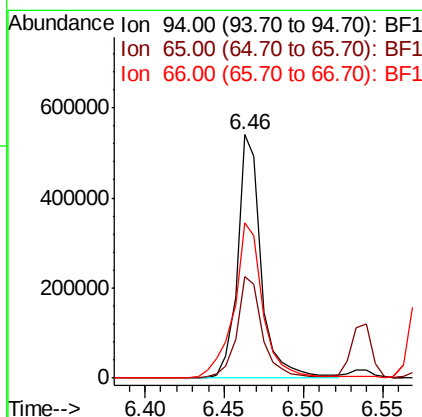
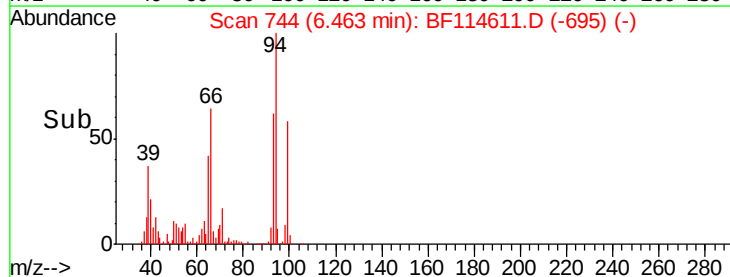
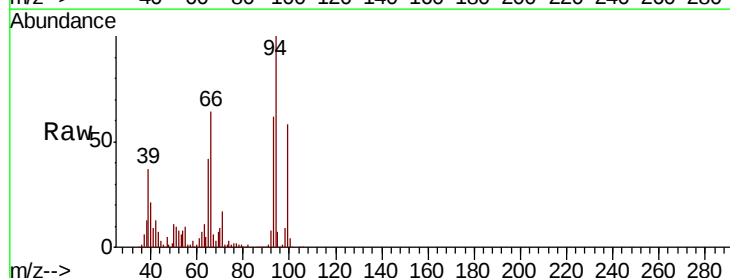
Instrument :  
BNA\_F  
ClientSampleId :  
PB119943BSD

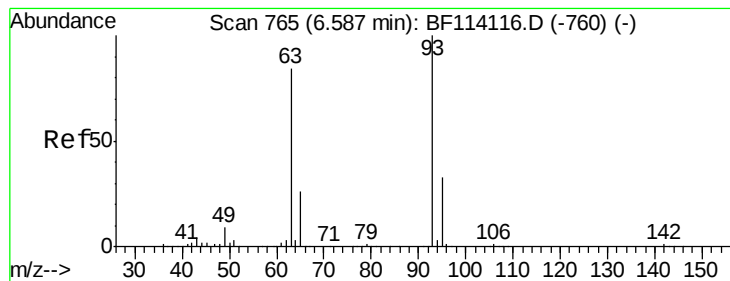
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 105     | 98.7  | 79.3  | 119.3 |
| 106     | 93.5  | 77.0  | 117.0 |



#10  
Phenol  
Concen: 35.676 ng  
RT: 6.46 min Scan# 744  
Delta R.T. -0.01 min  
Lab File: BF114611.D  
Acq: 25 May 2019 18:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 94      | 100   |       |       |
| 65      | 41.6  | 14.7  | 54.7  |
| 66      | 63.5  | 29.6  | 69.6  |

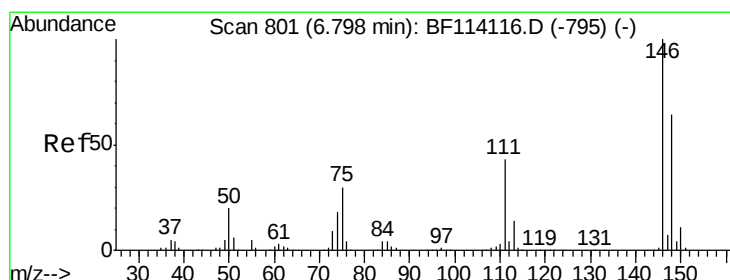
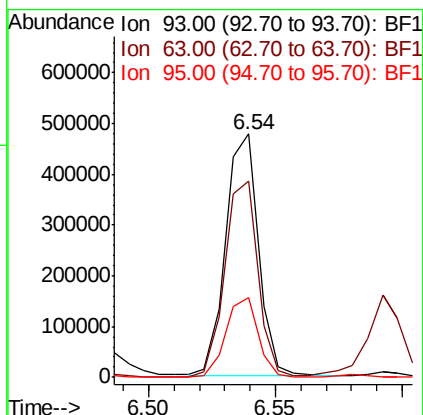
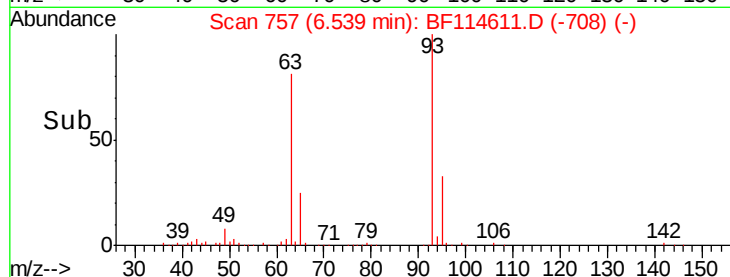
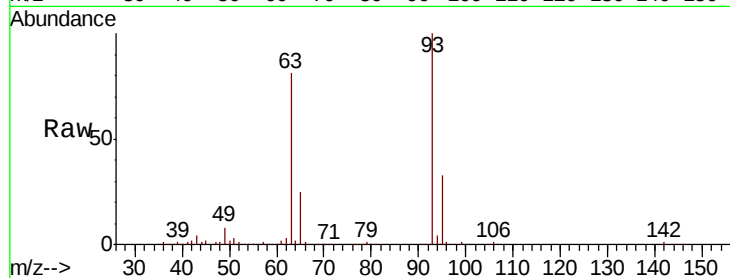




#11  
bis(2-Chloroethyl)ether  
Concen: 36.124 ng  
RT: 6.54 min Scan# 757  
Delta R.T. -0.01 min  
Lab File: BF114611.D  
Acq: 25 May 2019 18:31

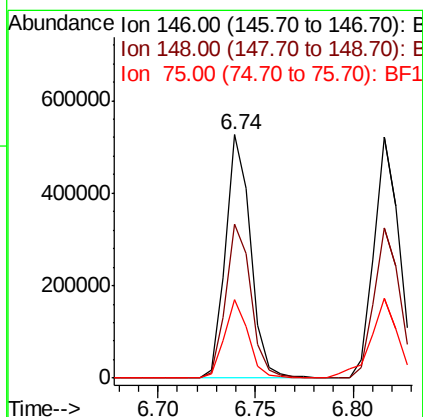
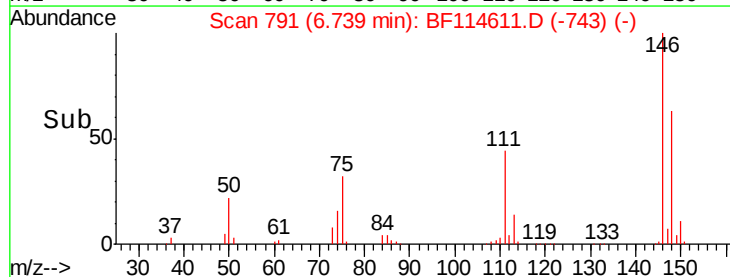
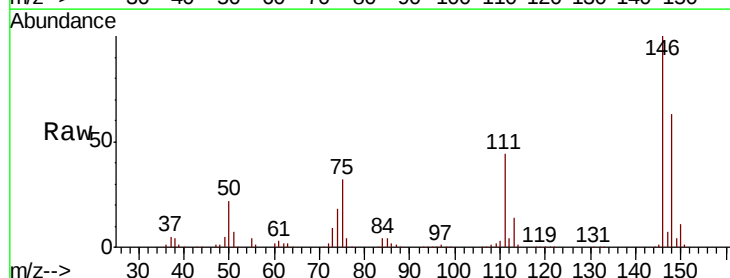
Instrument :  
BNA\_F  
ClientSampleId :  
PB119943BSD

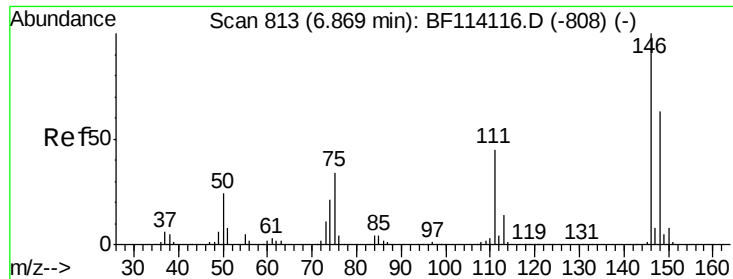
Tot Ion: 93 Resp: 428306  
Ion Ratio Lower Upper  
93 100  
63 80.6 63.6 103.6  
95 32.6 13.1 53.1



#12  
1,3-Dichlorobenzene  
Concen: 34.942 ng  
RT: 6.74 min Scan# 791  
Delta R.T. -0.02 min  
Lab File: BF114611.D  
Acq: 25 May 2019 18:31

Tgt Ion: 146 Resp: 470008  
Ion Ratio Lower Upper  
146 100  
148 63.1 51.6 77.4  
75 32.2 24.2 36.2

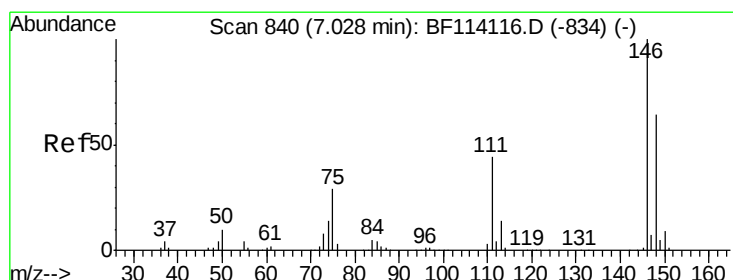
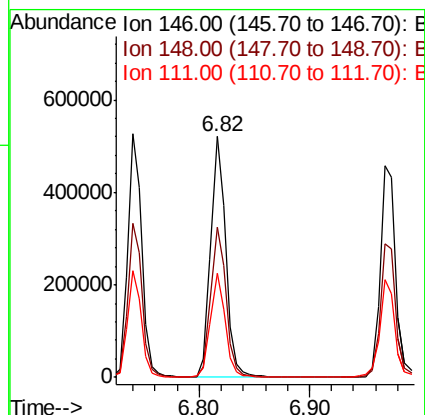
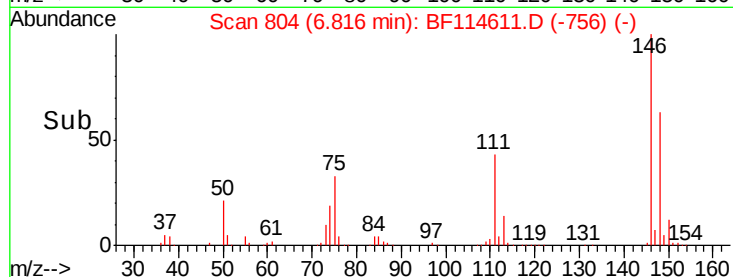
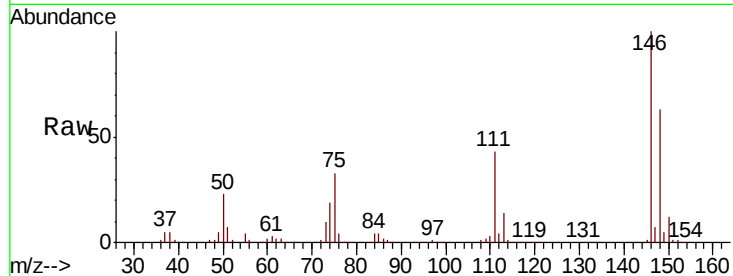




#13  
 1,4-Dichlorobenzene  
 Concen: 35.324 ng  
 RT: 6.82 min Scan# 804  
 Delta R.T. -0.02 min  
 Lab File: BF114611.D  
 Acq: 25 May 2019 18:31

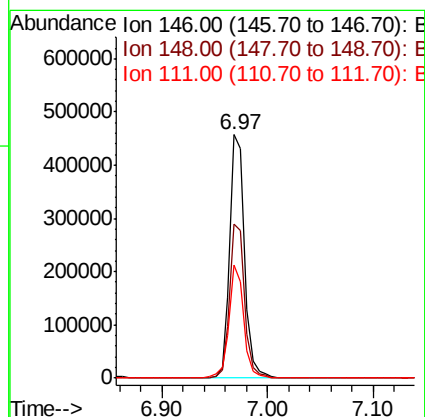
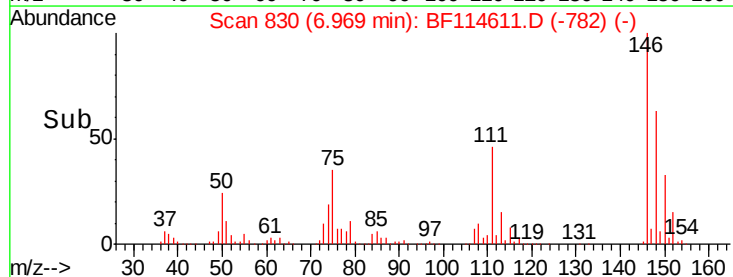
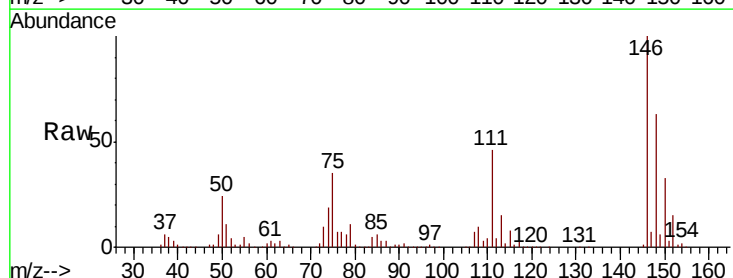
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB119943BSD

Tot Ion:146 Resp: 478804  
 Ion Ratio Lower Upper  
 146 100  
 148 62.6 50.2 75.2  
 111 43.1 35.8 53.6



#14  
 1,2-Dichlorobenzene  
 Concen: 35.739 ng  
 RT: 6.97 min Scan# 830  
 Delta R.T. -0.02 min  
 Lab File: BF114611.D  
 Acq: 25 May 2019 18:31

Tgt Ion:146 Resp: 442575  
 Ion Ratio Lower Upper  
 146 100  
 148 63.3 51.1 76.7  
 111 46.4 35.3 52.9





#15

Benzyl Alcohol

Concen: 34.952 ng

RT: 6.95 min Scan# 827

Delta R.T. -0.01 min

Lab File: BF114611.D

Acq: 25 May 2019 18:31

Instrument :

BNA\_F

ClientSampleId :

PB119943BSD

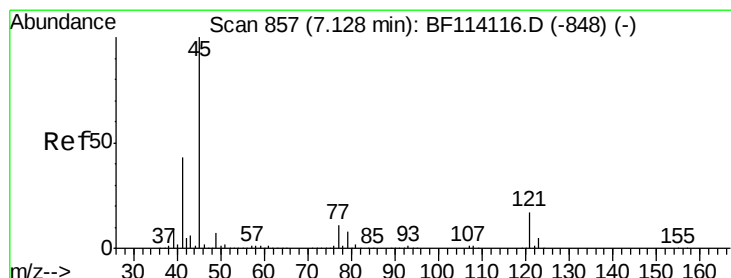
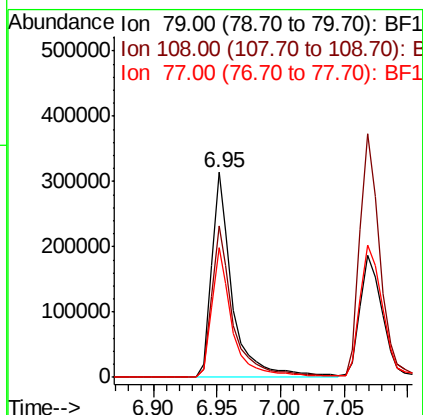
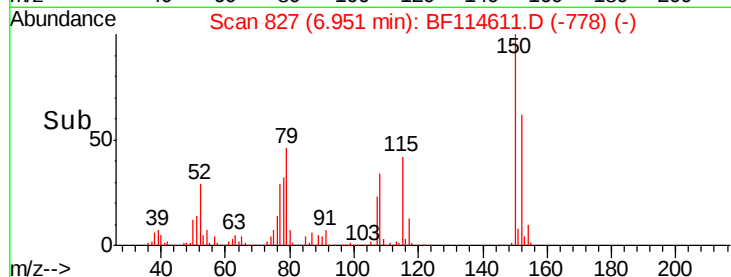
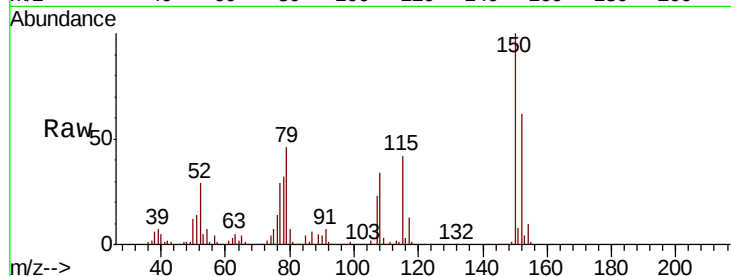
Tot Ion: 79 Resp: 361906

Ion Ratio Lower Upper

79 100

108 73.9 62.1 93.1

77 63.1 51.0 76.6



#16

2,2'-oxybis(1-Chloropropane)

Concen: 33.702 ng

RT: 7.07 min Scan# 848

Delta R.T. -0.02 min

Lab File: BF114611.D

Acq: 25 May 2019 18:31

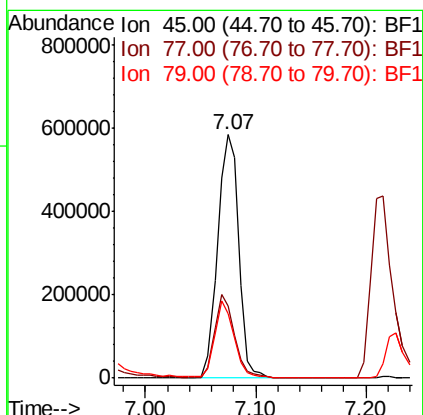
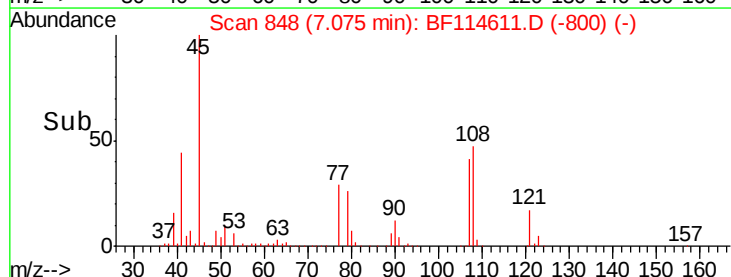
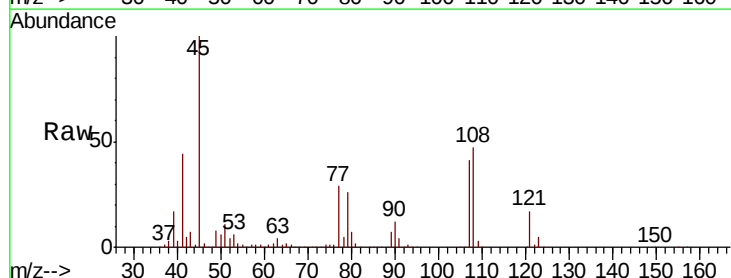
Tgt Ion: 45 Resp: 774790

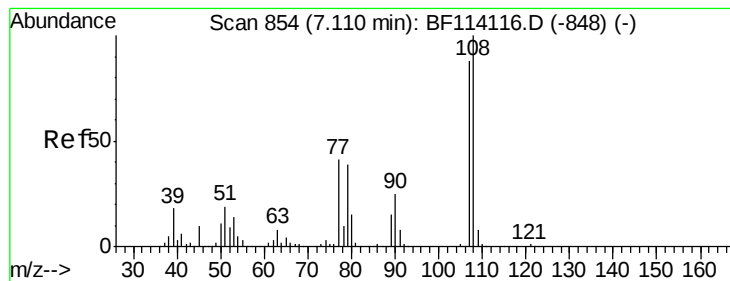
Ion Ratio Lower Upper

45 100

77 29.4 0.0 31.1

79 26.4 0.0 28.4

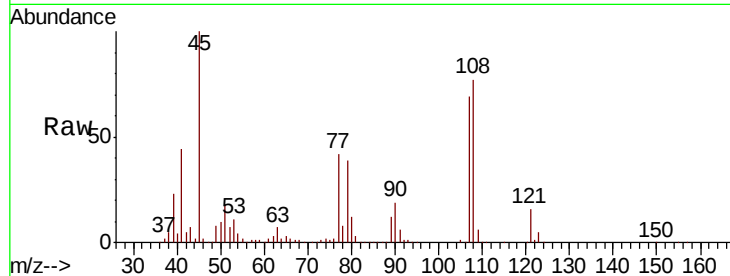




#17  
2-Methylphenol  
Concen: 36.439 ng  
RT: 7.07 min Scan# 847  
Delta R.T. -0.01 min  
Lab File: BF114611.D  
Acq: 25 May 2019 18:31

Instrument :  
BNA\_F  
ClientSampleId :  
PB119943BSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 111.6 | 90.5  | 135.7 |
| 77      | 60.4  | 37.0  | 55.4  |
| 79      | 56.0  | 35.8  | 53.8  |



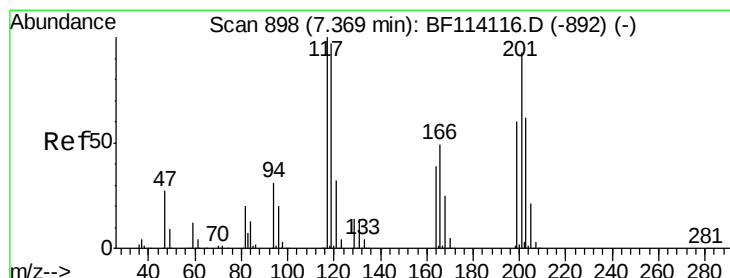
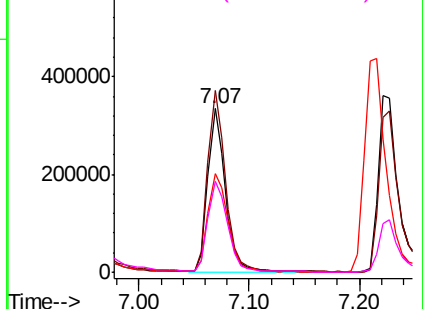
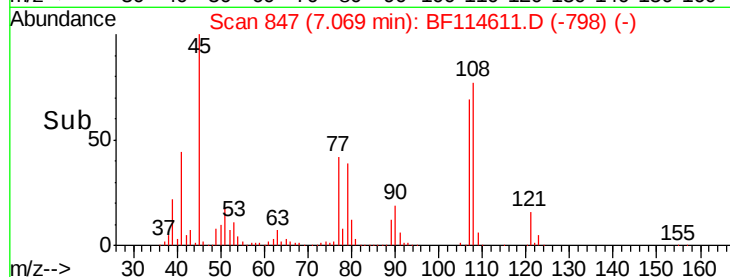
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

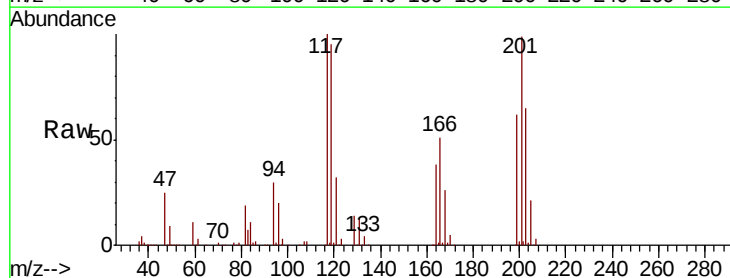
Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18  
Hexachloroethane  
Concen: 34.910 ng  
RT: 7.31 min Scan# 888  
Delta R.T. -0.01 min  
Lab File: BF114611.D  
Acq: 25 May 2019 18:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 94.6  | 77.4  | 116.2 |
| 201     | 98.9  | 74.5  | 111.7 |

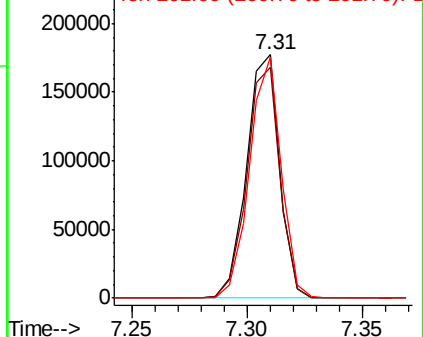
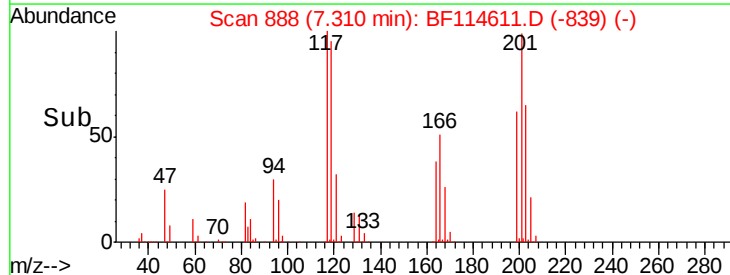


Abundance

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

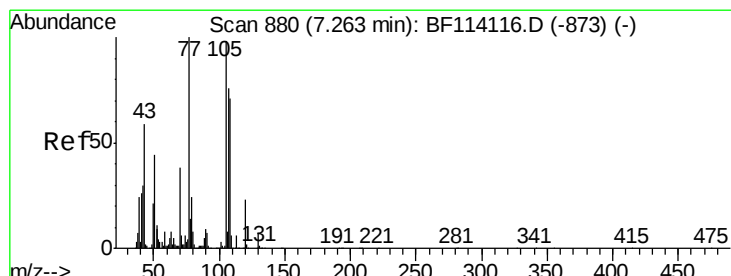
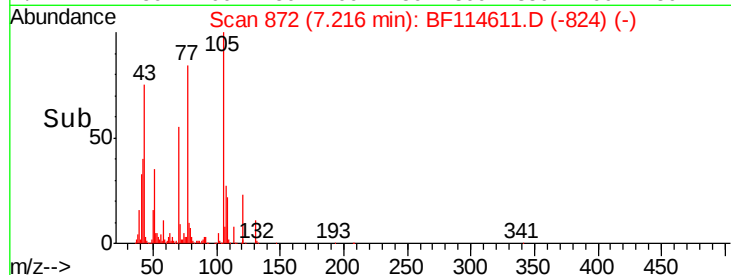
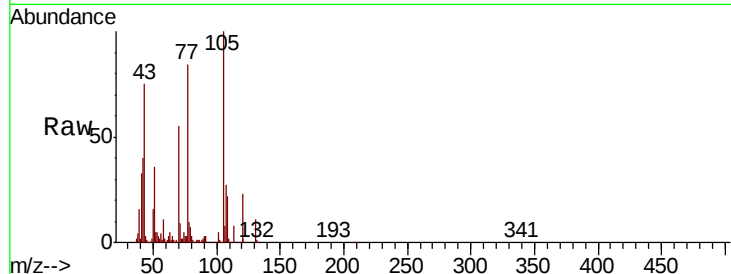
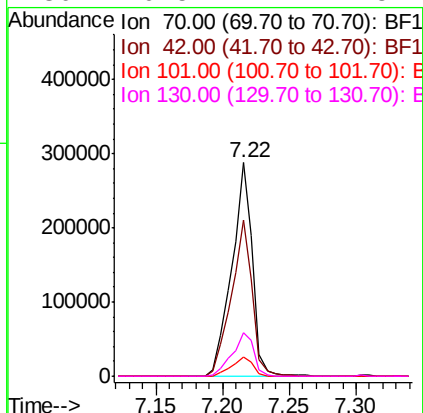




#19  
n-Nitroso-di-n-propylamine  
Concen: 37.188 ng  
RT: 7.22 min Scan# 872  
Delta R.T. -0.02 min  
Lab File: BF114611.D  
Acq: 25 May 2019 18:31

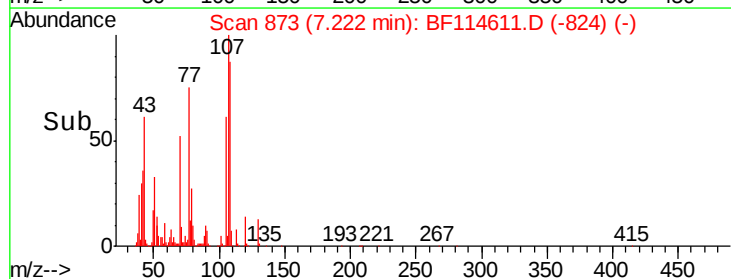
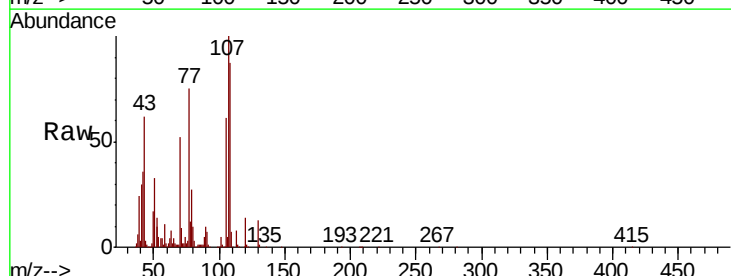
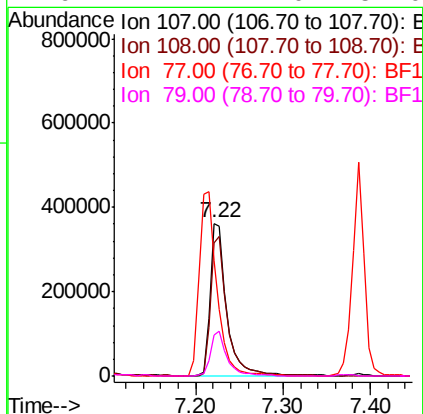
Instrument :  
BNA\_F  
ClientSampleId :  
PB119943BSD

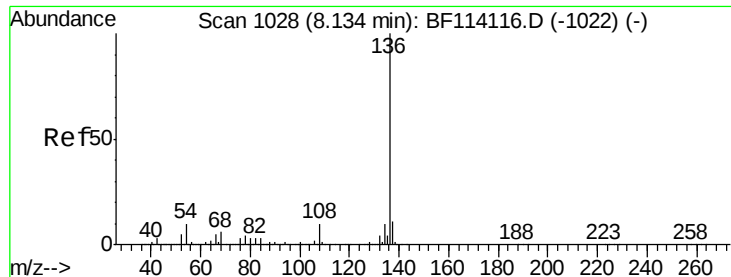
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 70    | Resp: | 312935 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 72.9  | 58.6  | 87.8   |
| 101      | 9.3   | 7.8   | 11.8   |
| 130      | 20.5  | 17.1  | 25.7   |



#20  
3+4-Methylphenols  
Concen: 41.644 ng  
RT: 7.22 min Scan# 873  
Delta R.T. -0.01 min  
Lab File: BF114611.D  
Acq: 25 May 2019 18:31

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 473619 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 87.2  | 73.8  | 113.8  |
| 77       | 75.3  | 111.5 | 151.5# |
| 79       | 27.2  | 12.0  | 52.0   |





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.08 min Scan# 1019

Delta R.T. -0.02 min

Lab File: BF114611.D

Acq: 25 May 2019 18:31

Instrument :

BNA\_F

ClientSampleId :

PB119943BSD

Tot Ion:136 Resp: 725880

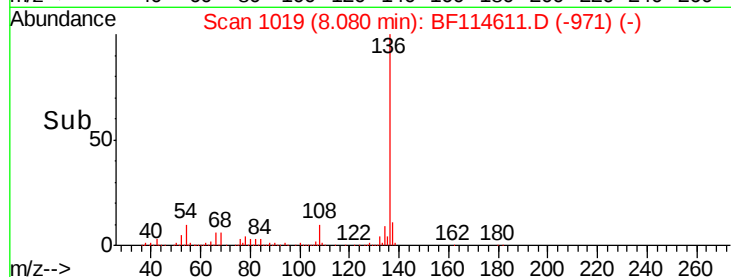
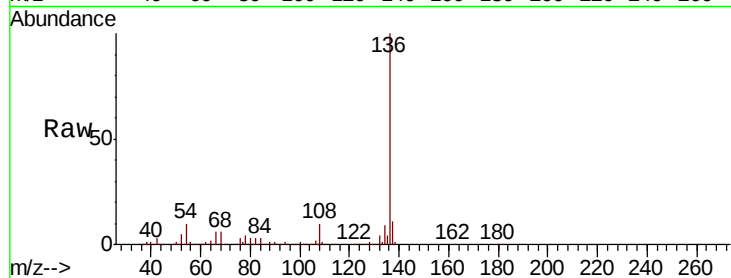
Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

54 9.8 7.8 11.8

68 6.0 5.1 7.7

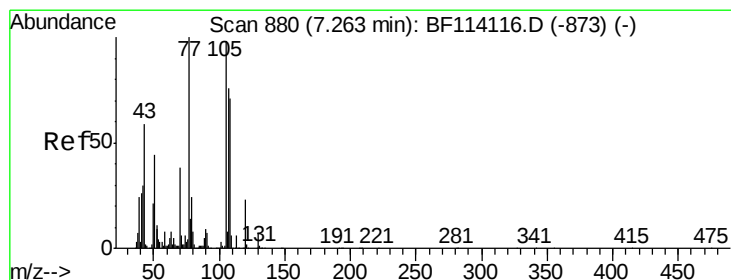
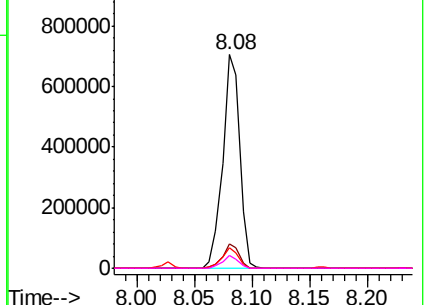


Abundance Ion 136.00 (135.70 to 136.70): E

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: 37.968 ng

RT: 7.21 min Scan# 871

Delta R.T. -0.02 min

Lab File: BF114611.D

Acq: 25 May 2019 18:31

Tgt Ion:105 Resp: 610545

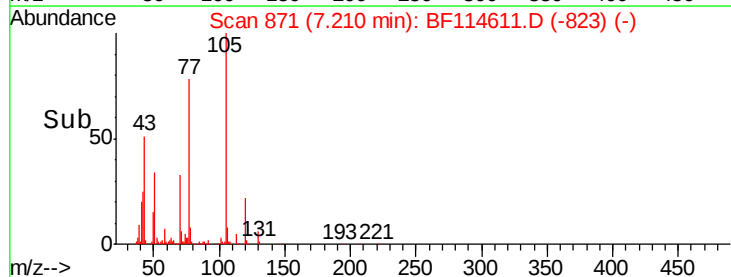
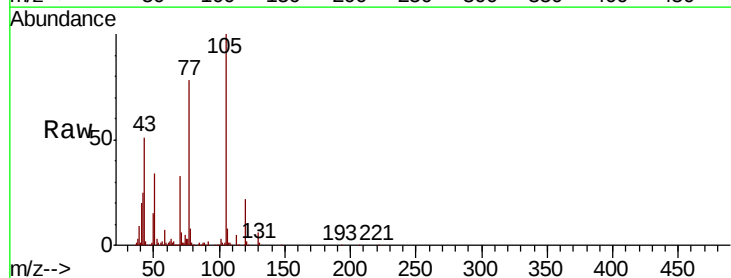
Ion Ratio Lower Upper

105 100

71 5.6 5.3 7.9

51 33.8 36.2 54.4#

120 22.3 18.6 28.0

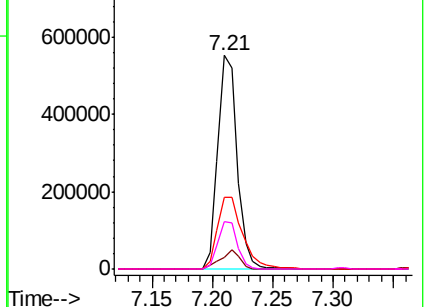


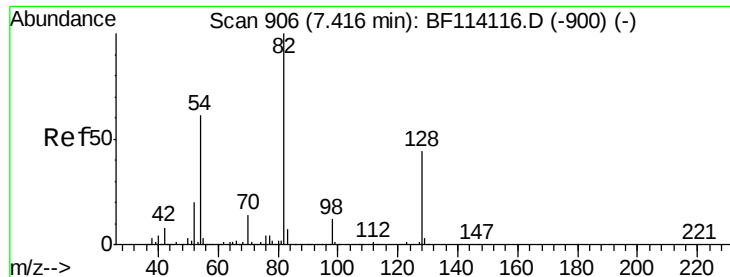
Abundance Ion 105.00 (104.70 to 105.70): E

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



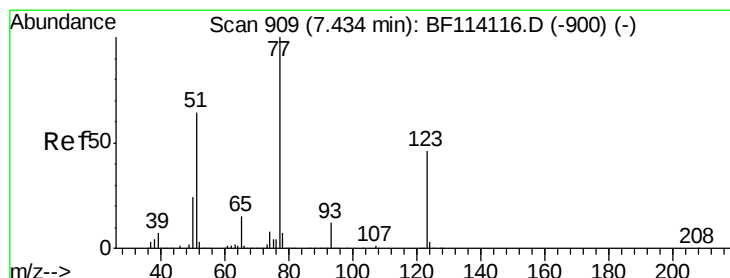
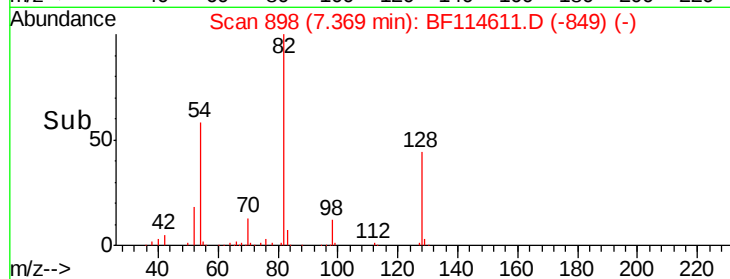
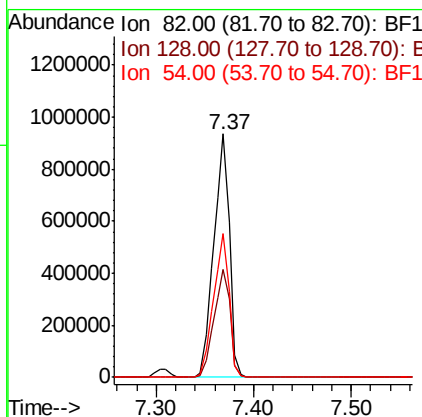
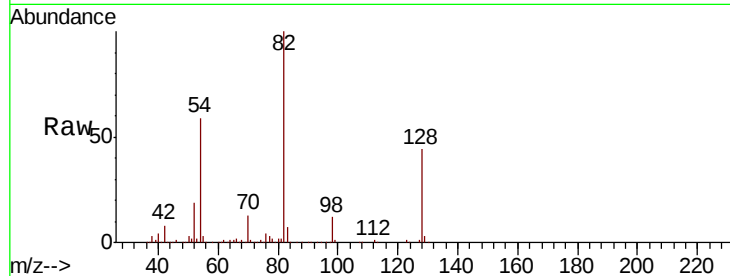


#23  
 Nitrobenzene-d5  
 Concen: 80.412 ng  
 RT: 7.37 min Scan# 898  
 Delta R.T. -0.01 min  
 Lab File: BF114611.D  
 Acq: 25 May 2019 18:31

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB119943BSD

Tot Ion: 82 Resp: 1040077  

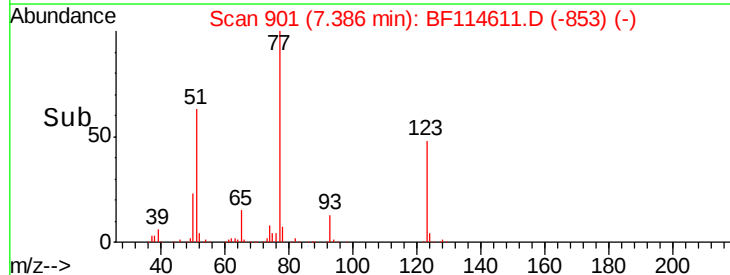
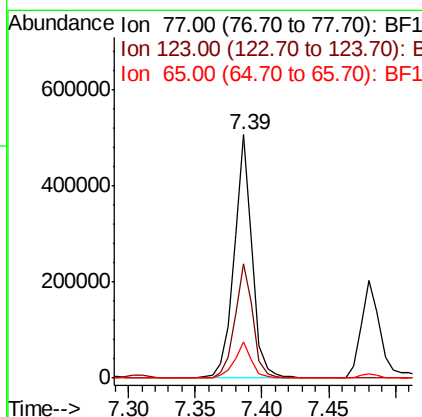
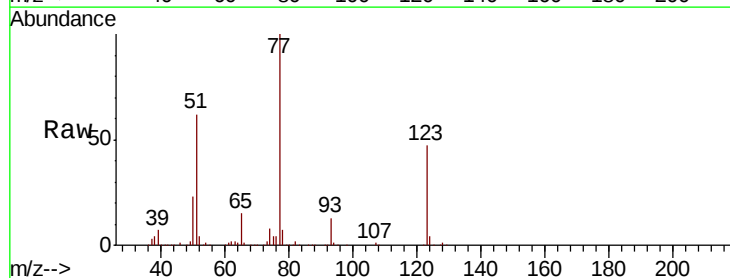
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 44.2  | 35.5  | 53.3  |
| 54  | 58.9  | 48.5  | 72.7  |

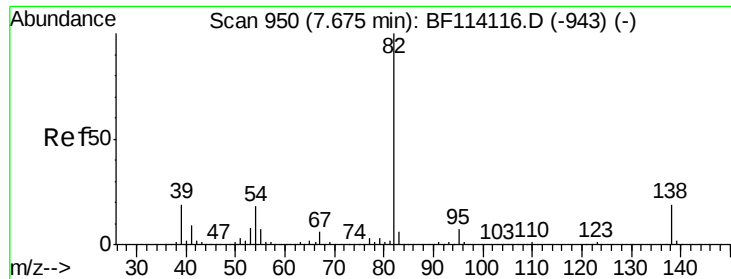


#24  
 Nitrobenzene  
 Concen: 35.997 ng  
 RT: 7.39 min Scan# 901  
 Delta R.T. -0.02 min  
 Lab File: BF114611.D  
 Acq: 25 May 2019 18:31

Tgt Ion: 77 Resp: 474215  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 123 | 47.1  | 36.9  | 55.3  |
| 65  | 14.6  | 11.8  | 17.6  |

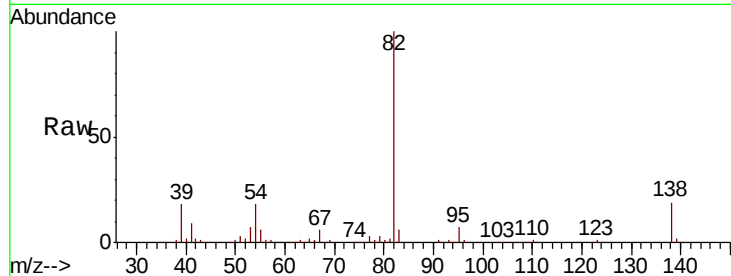




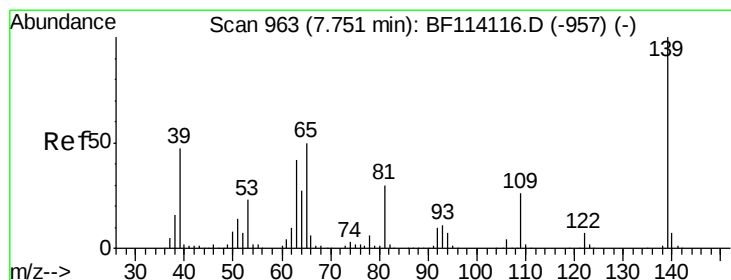
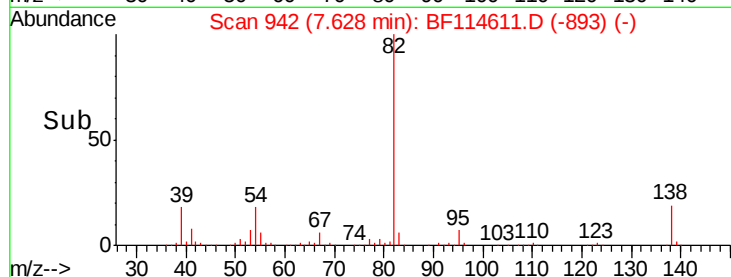
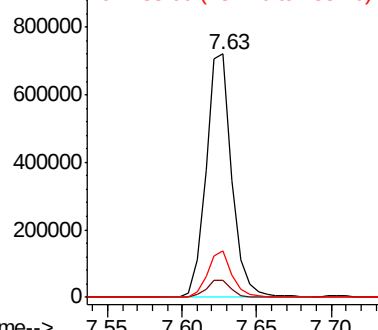
#25  
Isophorone  
Concen: 36.327 ng  
RT: 7.63 min Scan# 942  
Delta R.T. -0.01 min  
Lab File: BF114611.D  
Acq: 25 May 2019 18:31

Instrument :  
BNA\_F  
ClientSampleId :  
PB119943BSD

Tot Ion: 82 Resp: 871425  
Ion Ratio Lower Upper  
82 100  
95 7.1 5.6 8.4  
138 19.0 14.8 22.2

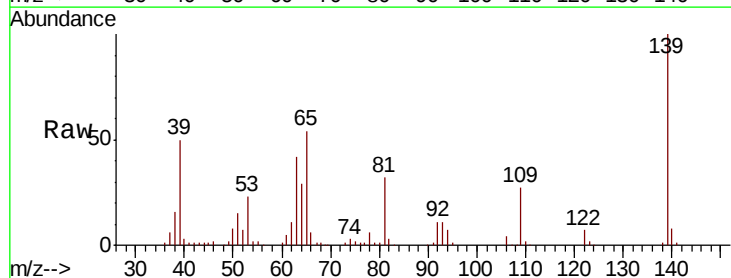


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 95.00 (94.70 to 95.70): BF1  
Ion 138.00 (137.70 to 138.70): BF1

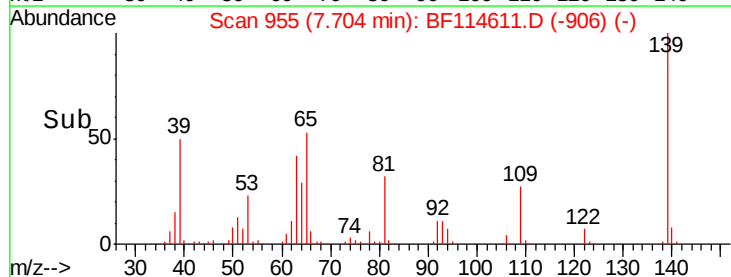
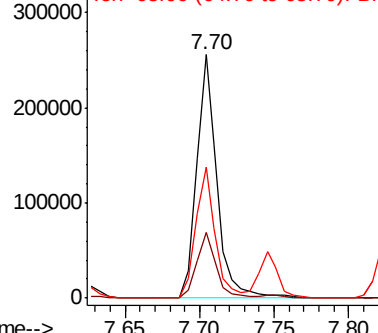


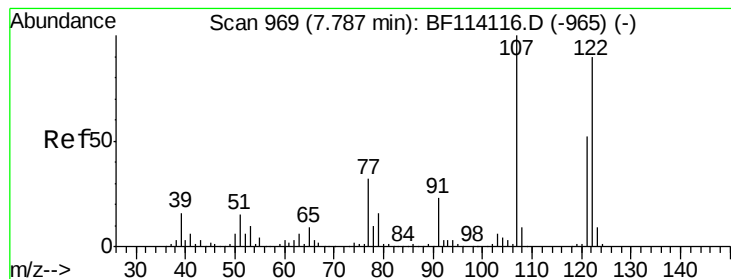
#26  
2-Nitrophenol  
Concen: 38.447 ng  
RT: 7.70 min Scan# 955  
Delta R.T. -0.01 min  
Lab File: BF114611.D  
Acq: 25 May 2019 18:31

Tgt Ion: 139 Resp: 245732  
Ion Ratio Lower Upper  
139 100  
109 27.1 20.7 31.1  
65 53.6 40.2 60.2



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





#27

2,4-Dimethylphenol

Concen: 39.820 ng

RT: 7.75 min Scan# 962

Delta R.T. -0.01 min

Lab File: BF114611.D

Acq: 25 May 2019 18:31

Instrument :

BNA\_F

ClientSampleId :

PB119943BSD

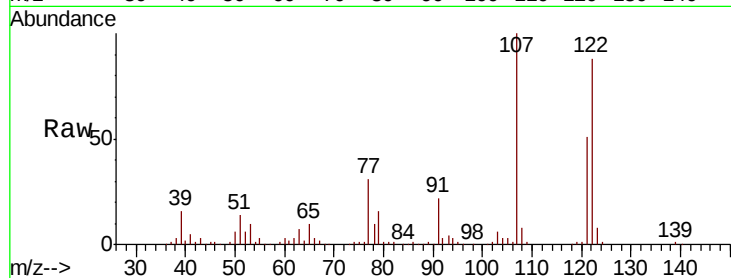
Tot Ion:122 Resp: 399728

Ion Ratio Lower Upper

122 100

107 113.9 88.4 132.6

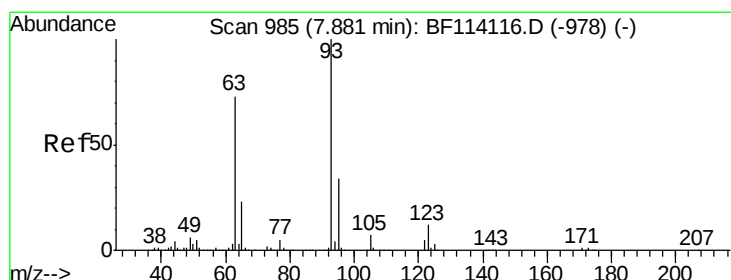
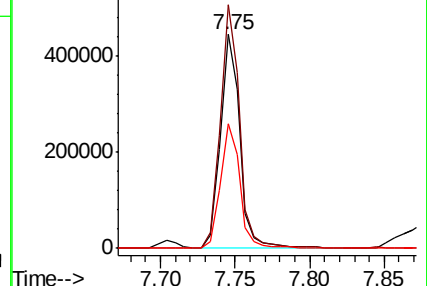
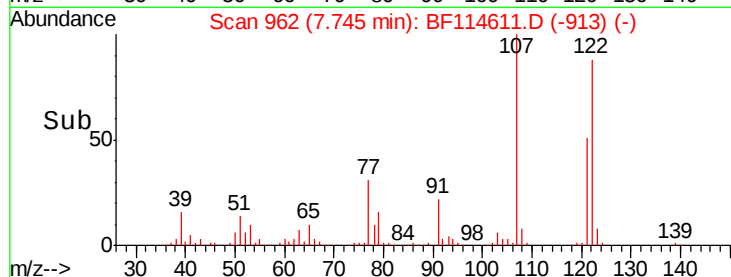
121 58.4 45.9 68.9



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: 35.429 ng

RT: 7.83 min Scan# 977

Delta R.T. -0.01 min

Lab File: BF114611.D

Acq: 25 May 2019 18:31

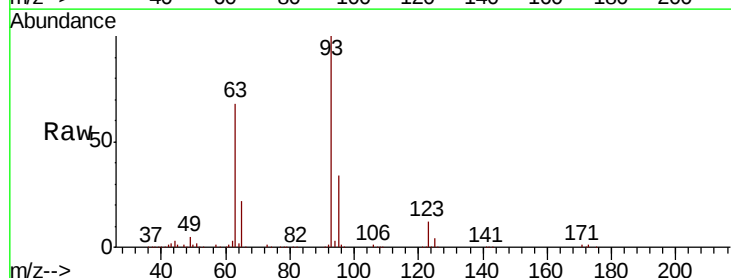
Tgt Ion: 93 Resp: 551439

Ion Ratio Lower Upper

93 100

95 33.8 26.8 40.2

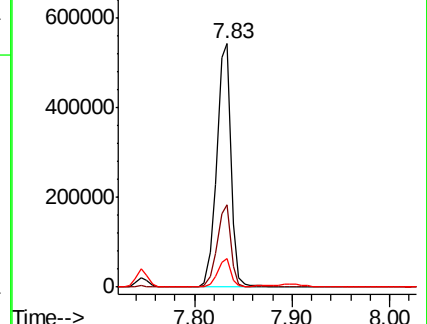
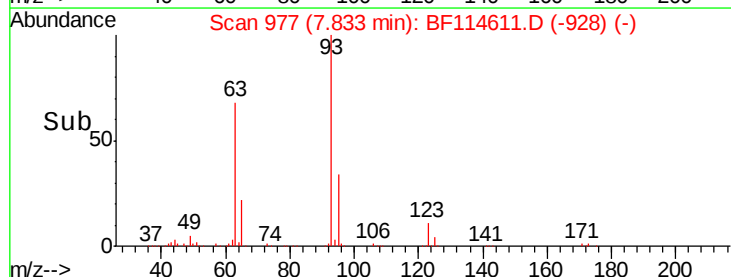
123 11.6 9.5 14.3



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: 38.391 ng

RT: 7.95 min Scan# 997

Delta R.T. -0.01 min

Lab File: BF114611.D

Acq: 25 May 2019 18:31

Instrument :

BNA\_F

ClientSampleId :

PB119943BSD

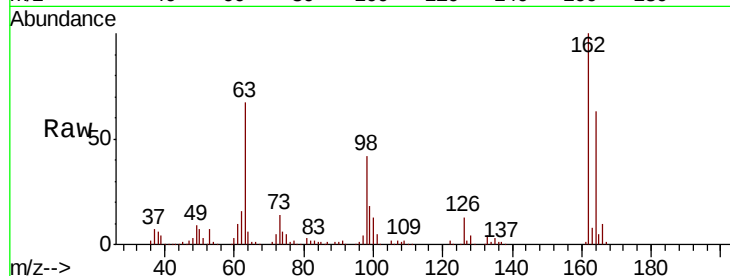
Tot Ion:162 Resp: 383745

Ion Ratio Lower Upper

162 100

164 63.2 43.6 83.6

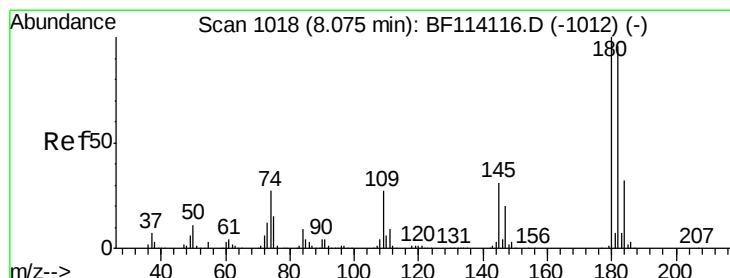
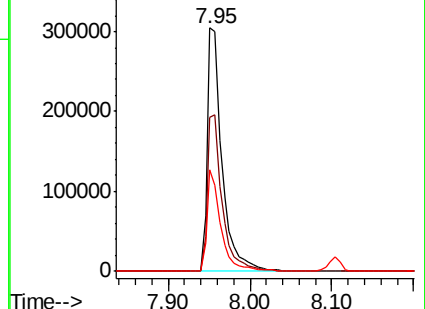
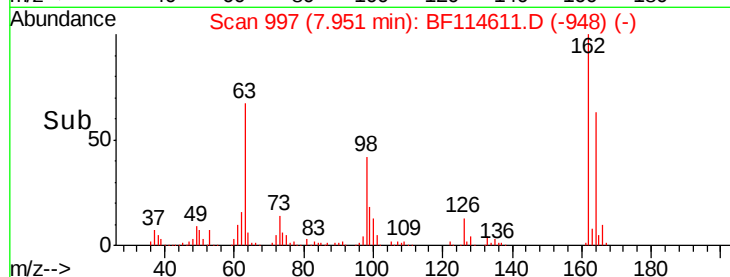
98 41.9 20.6 60.6



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: 35.309 ng

RT: 8.03 min Scan# 1010

Delta R.T. -0.01 min

Lab File: BF114611.D

Acq: 25 May 2019 18:31

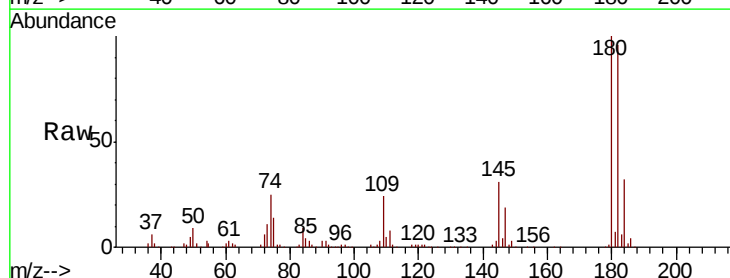
Tgt Ion:180 Resp: 401343

Ion Ratio Lower Upper

180 100

182 96.2 76.6 114.8

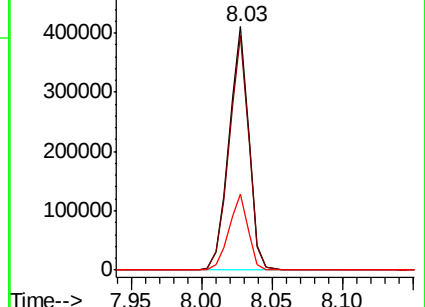
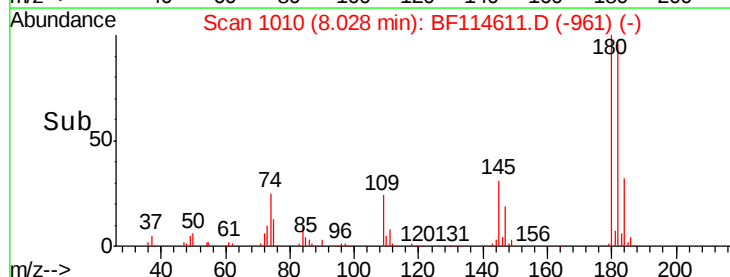
145 31.1 25.1 37.7



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

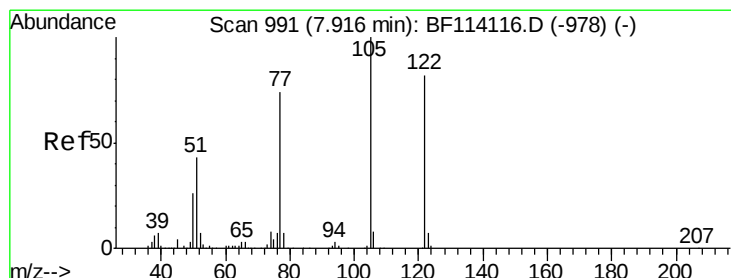
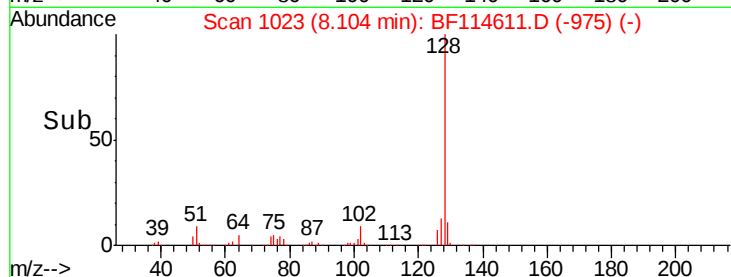
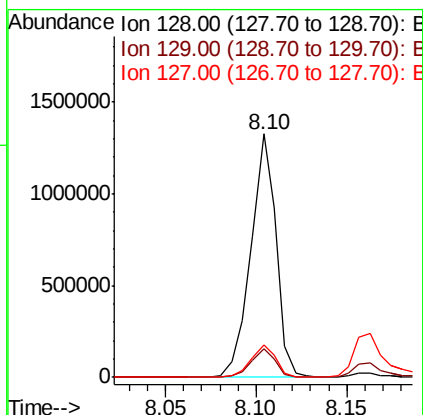
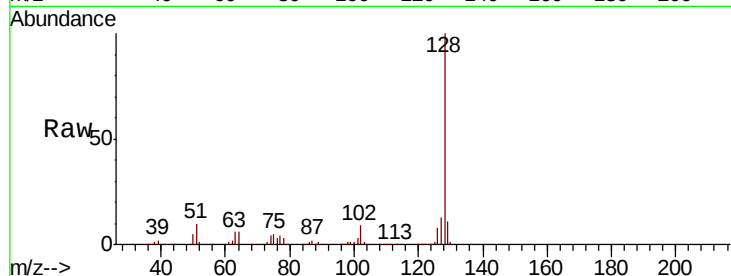




#31  
Naphthalene  
Concen: 37.960 ng  
RT: 8.10 min Scan# 1023  
Delta R.T. -0.02 min  
Lab File: BF114611.D  
Acq: 25 May 2019 18:31

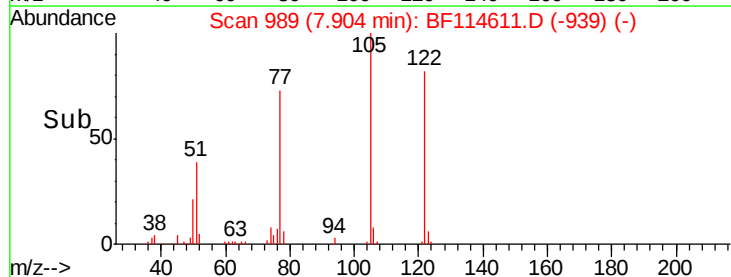
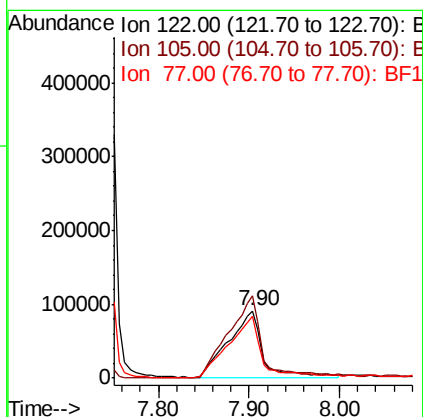
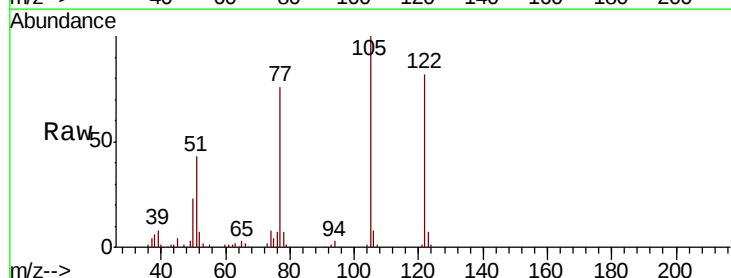
Instrument :  
BNA\_F  
ClientSampleId :  
PB119943BSD

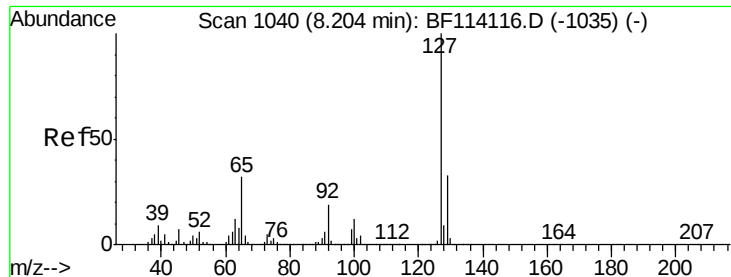
Tot Ion:128 Resp: 1287124  
Ion Ratio Lower Upper  
128 100  
129 11.5 9.6 14.4  
127 13.3 11.3 16.9



#32  
Benzoic acid  
Concen: 34.766 ng  
RT: 7.90 min Scan# 989  
Delta R.T. -0.01 min  
Lab File: BF114611.D  
Acq: 25 May 2019 18:31

Tgt Ion:122 Resp: 232614  
Ion Ratio Lower Upper  
122 100  
105 122.6 99.9 139.9  
77 93.1 69.4 109.4

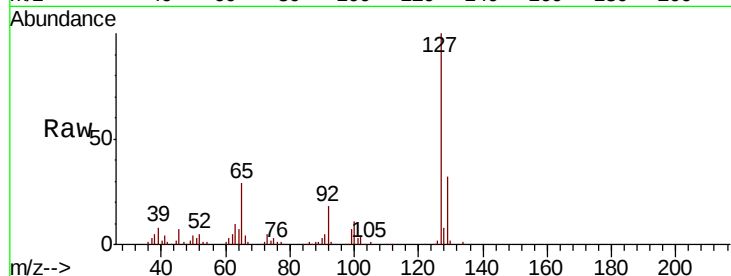




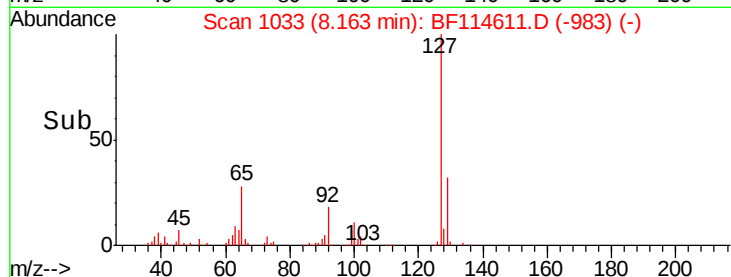
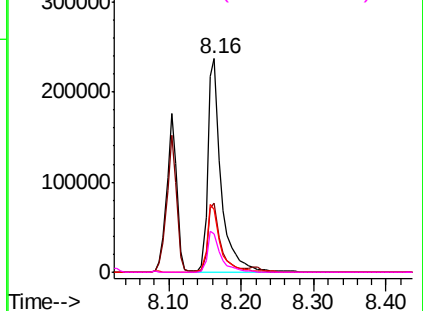
#33  
 4-Chloroaniline  
 Concen: 19.718 ng  
 RT: 8.16 min Scan# 1033  
 Delta R.T. -0.01 min  
 Lab File: BF114611.D  
 Acq: 25 May 2019 18:31

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB119943BSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 127   | Resp: | 304663 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 32.2  | 26.7  | 40.1   |
| 65       | 29.2  | 25.4  | 38.0   |
| 92       | 18.2  | 15.4  | 23.2   |

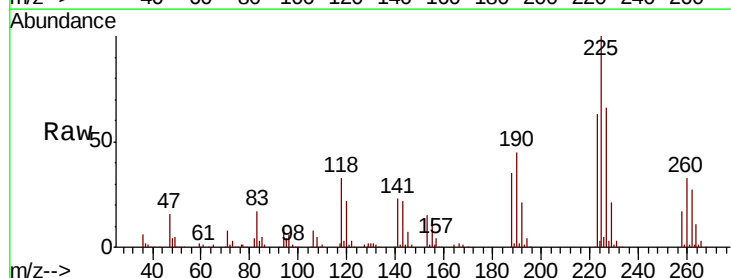


Abundance Ion 127.00 (126.70 to 127.70): E  
 Ion 129.00 (128.70 to 129.70): E  
 Ion 65.00 (64.70 to 65.70): BF1  
 Ion 92.00 (91.70 to 92.70): BF1

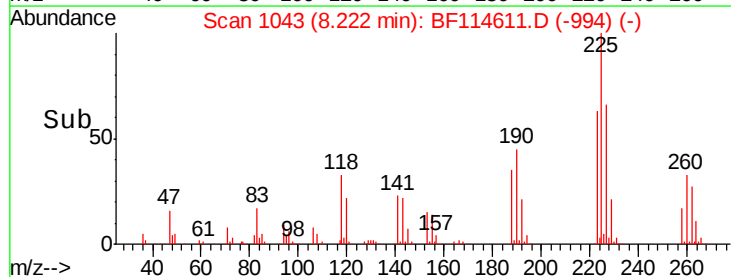
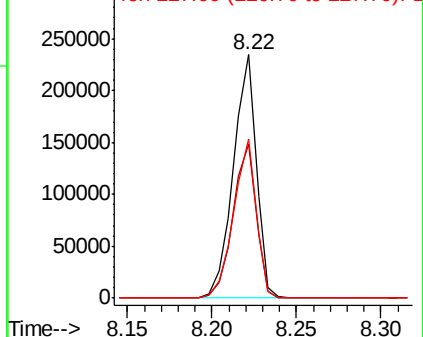


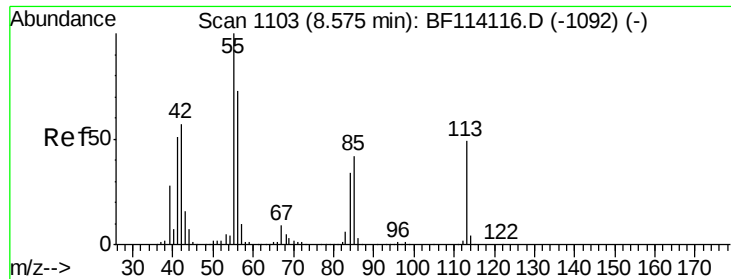
#34  
 Hexachlorobutadiene  
 Concen: 34.311 ng  
 RT: 8.22 min Scan# 1043  
 Delta R.T. -0.01 min  
 Lab File: BF114611.D  
 Acq: 25 May 2019 18:31

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 221899 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 63.3  | 50.2  | 75.2   |
| 227      | 65.5  | 52.6  | 79.0   |



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

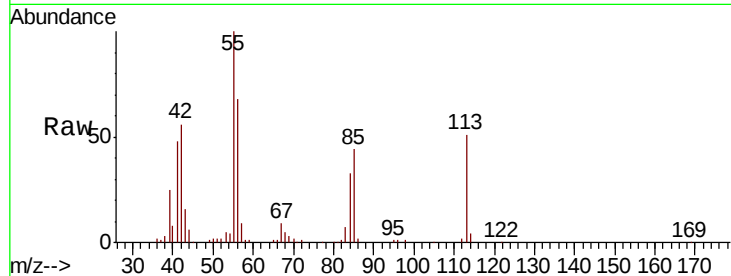




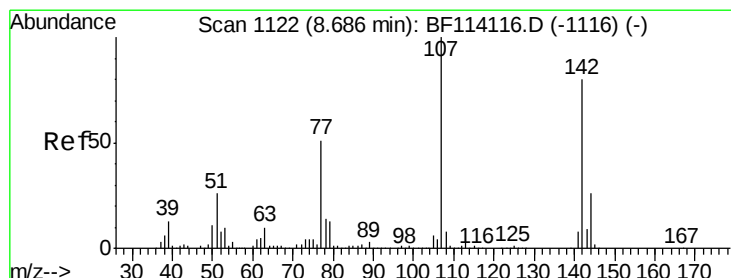
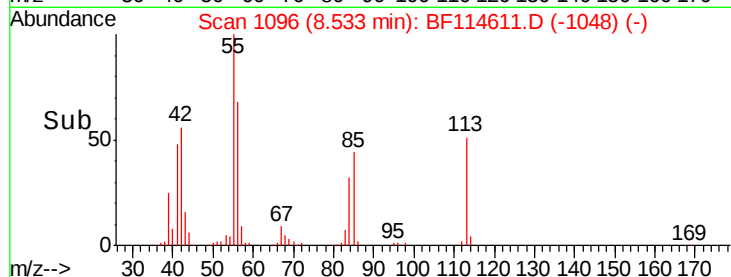
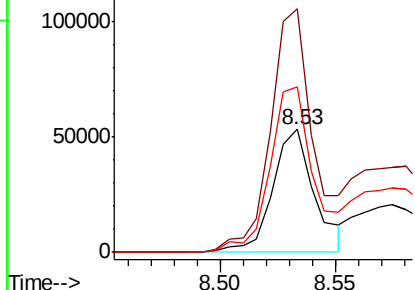
#35  
Caprolactam  
Concen: 20.491 ng  
RT: 8.53 min Scan# 1096  
Delta R.T. -0.02 min  
Lab File: BF114611.D  
Acq: 25 May 2019 18:31

Instrument :  
BNA\_F  
ClientSampleId :  
PB119943BSD

Tot Ion:113 Resp: 66789  
Ion Ratio Lower Upper  
113 100  
55 197.9 183.5 223.5  
56 134.6 128.8 168.8

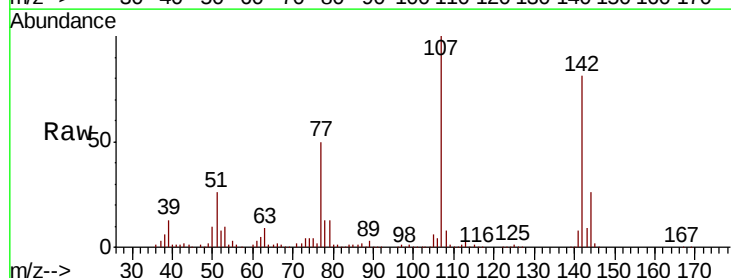


Abundance Ion 113.00 (112.70 to 113.70): E  
Ion 55.00 (54.70 to 55.70): BF1  
Ion 56.00 (55.70 to 56.70): BF1

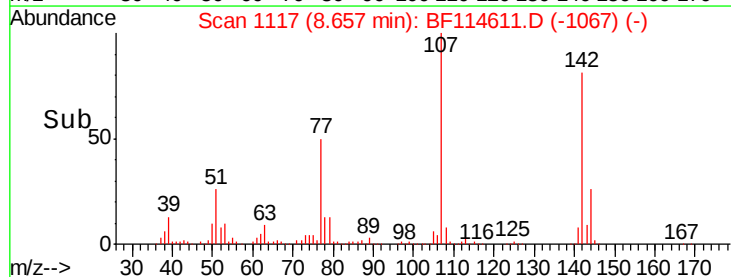
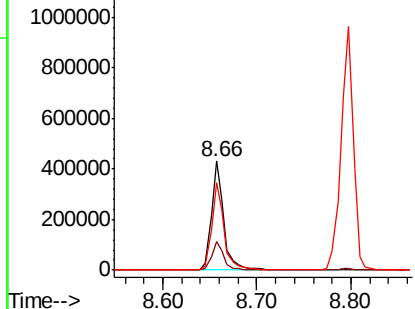


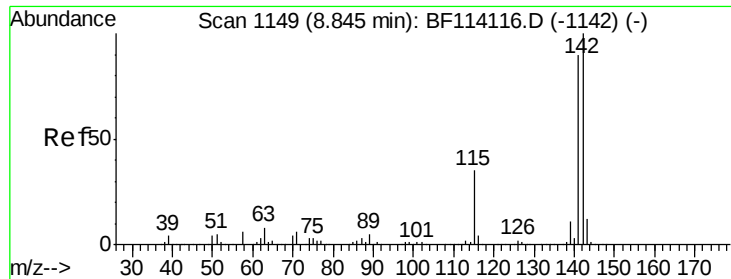
#36  
4-Chloro-3-methylphenol  
Concen: 39.907 ng  
RT: 8.66 min Scan# 1117  
Delta R.T. -0.01 min  
Lab File: BF114611.D  
Acq: 25 May 2019 18:31

Tgt Ion:107 Resp: 401526  
Ion Ratio Lower Upper  
107 100  
144 26.0 20.4 30.6  
142 80.5 64.2 96.4



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

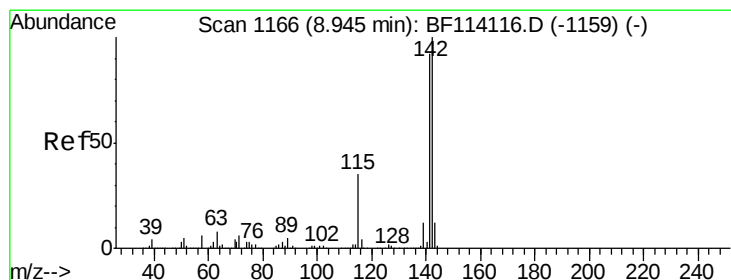
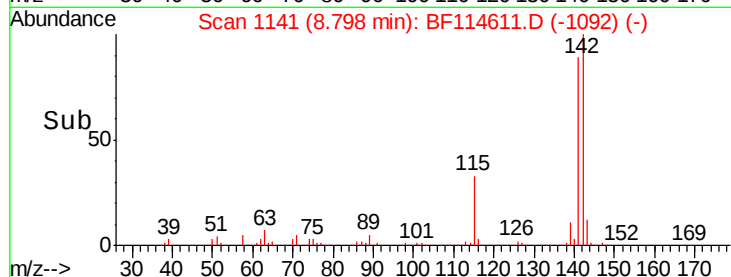
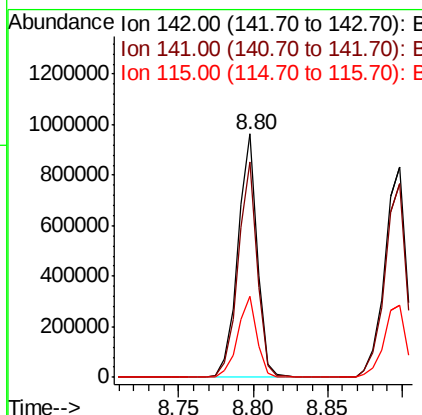
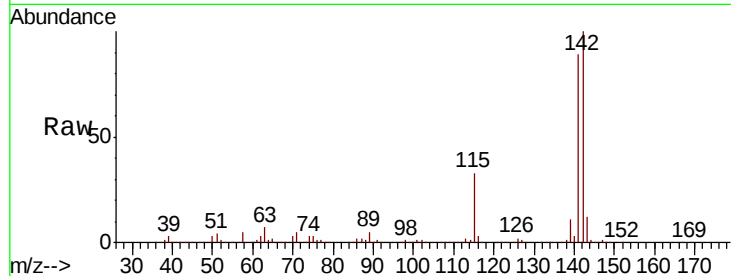




#37  
2-Methylnaphthalene  
Concen: 39.809 ng  
RT: 8.80 min Scan# 1141  
Delta R.T. -0.01 min  
Lab File: BF114611.D  
Acq: 25 May 2019 18:31

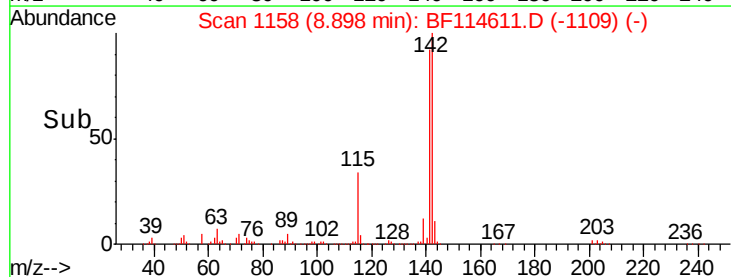
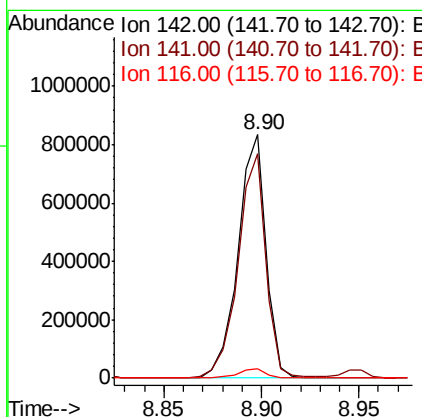
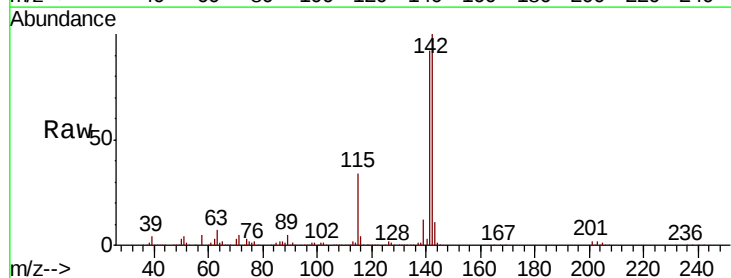
Instrument :  
BNA\_F  
ClientSampleId :  
PB119943BSD

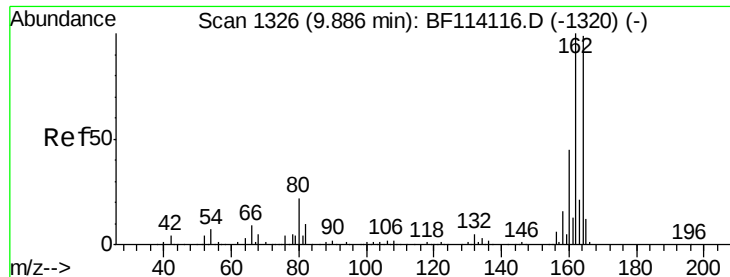
Tot Ion:142 Resp: 870880  
Ion Ratio Lower Upper  
142 100  
141 88.7 72.1 108.1  
115 33.0 28.0 42.0



#38  
1-Methylnaphthalene  
Concen: 39.959 ng  
RT: 8.90 min Scan# 1158  
Delta R.T. -0.01 min  
Lab File: BF114611.D  
Acq: 25 May 2019 18:31

Tgt Ion:142 Resp: 823225  
Ion Ratio Lower Upper  
142 100  
141 92.1 73.4 110.0  
116 3.8 3.1 4.7

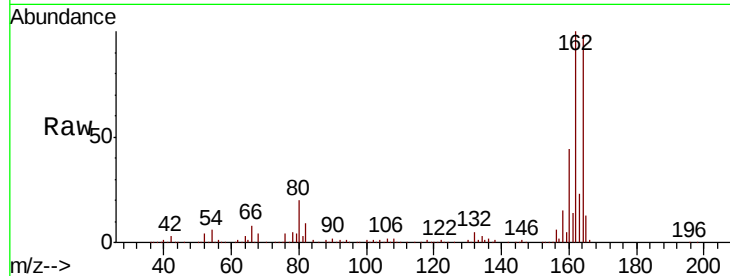




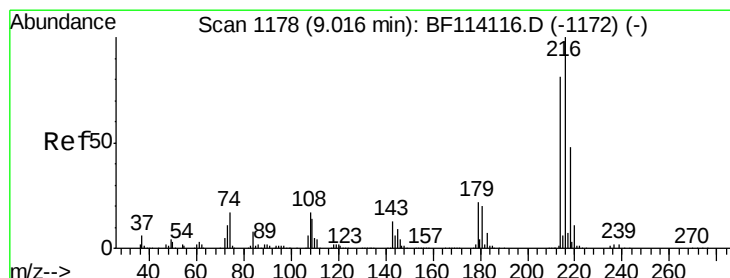
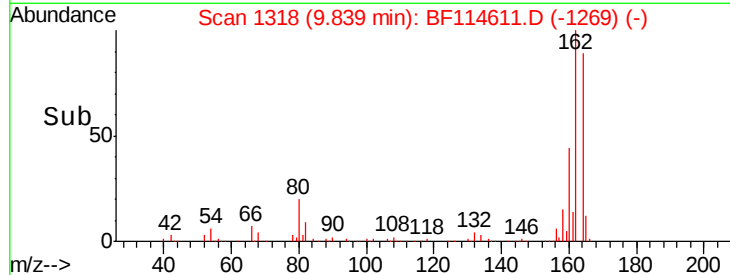
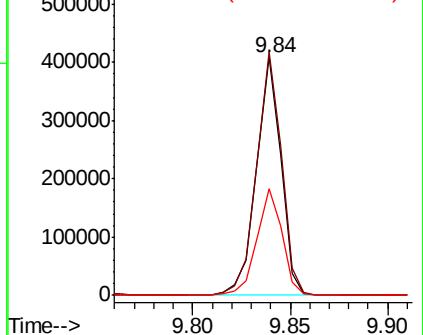
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.84 min Scan# 1318  
Delta R.T. -0.01 min  
Lab File: BF114611.D  
Acq: 25 May 2019 18:31

Instrument :  
BNA\_F  
ClientSampleId :  
PB119943BSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 102.1 | 80.6  | 120.8 |
| 160     | 44.8  | 36.5  | 54.7  |



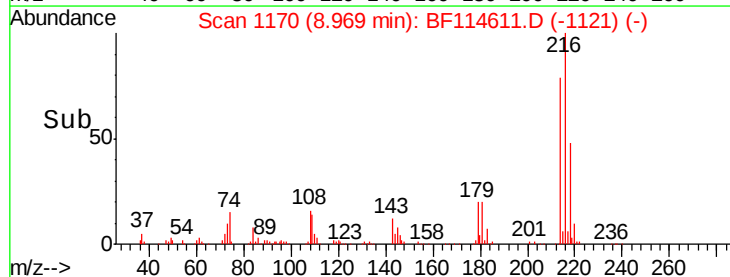
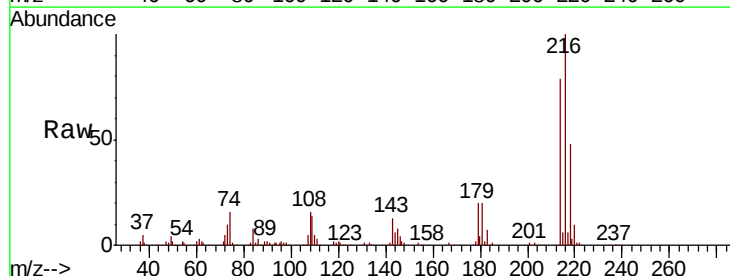
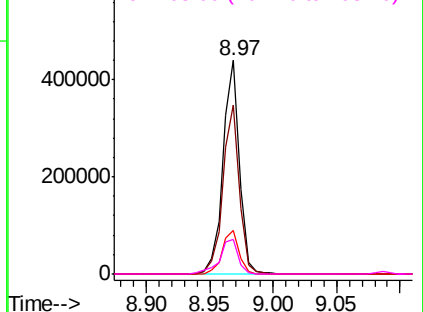
Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

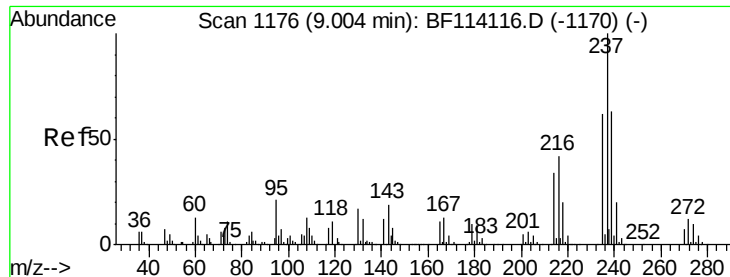


#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 36.678 ng  
RT: 8.97 min Scan# 1170  
Delta R.T. -0.01 min  
Lab File: BF114611.D  
Acq: 25 May 2019 18:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 216     | 100   |       |       |
| 214     | 79.4  | 63.9  | 95.9  |
| 179     | 21.0  | 17.0  | 25.6  |
| 108     | 19.0  | 14.8  | 22.2  |

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: 40.364 ng

RT: 8.95 min Scan# 1167

Delta R.T. -0.01 min

Lab File: BF114611.D

Acq: 25 May 2019 18:31

Instrument :

BNA\_F

ClientSampleId :

PB119943BSD

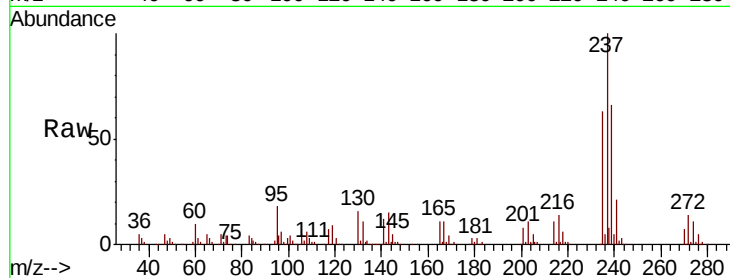
Tot Ion:237 Resp: 191866

Ion Ratio Lower Upper

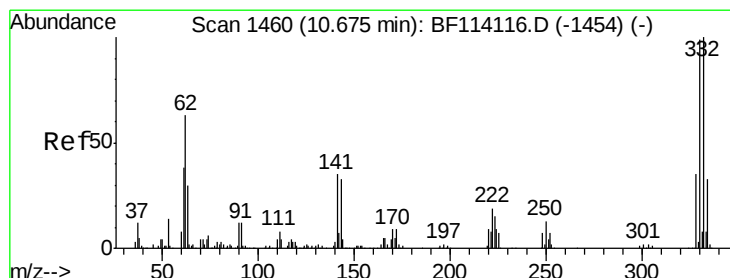
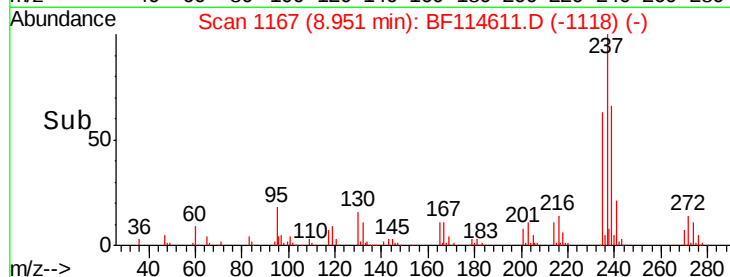
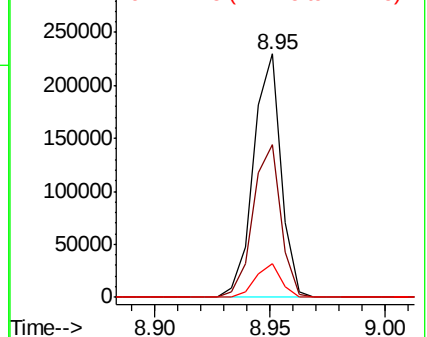
237 100

235 63.0 42.0 82.0

272 13.7 0.0 32.4



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: 102.087 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.01 min

Lab File: BF114611.D

Acq: 25 May 2019 18:31

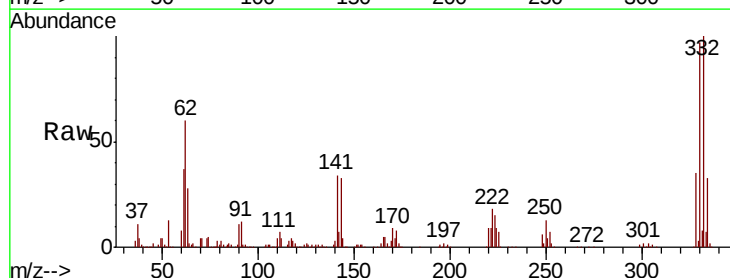
Tgt Ion:330 Resp: 376618

Ion Ratio Lower Upper

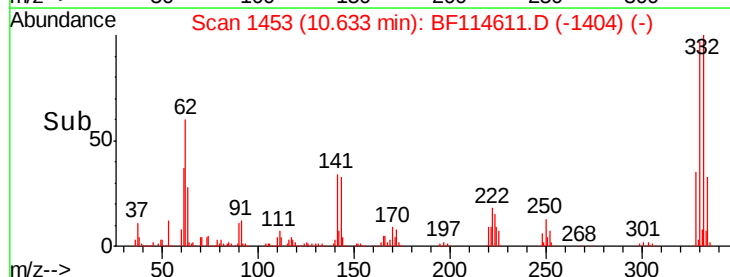
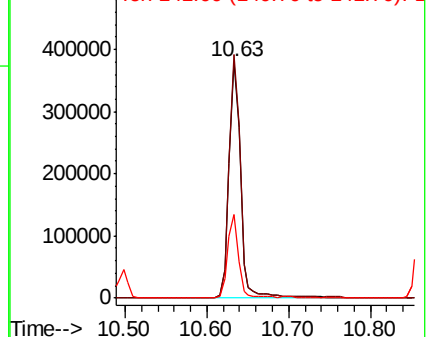
330 100

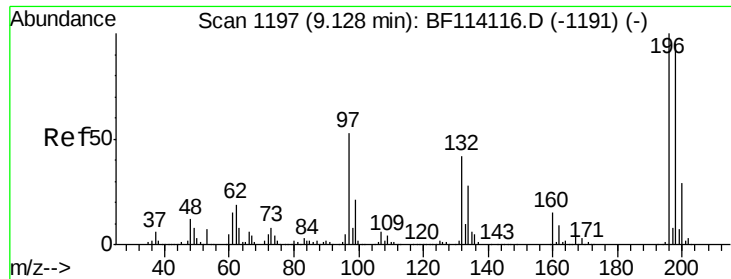
332 100.7 81.4 122.2

141 33.4 26.6 40.0



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

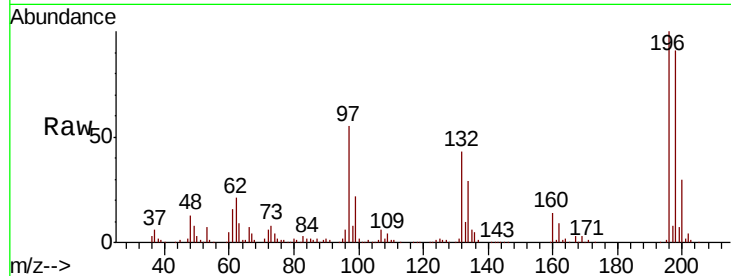




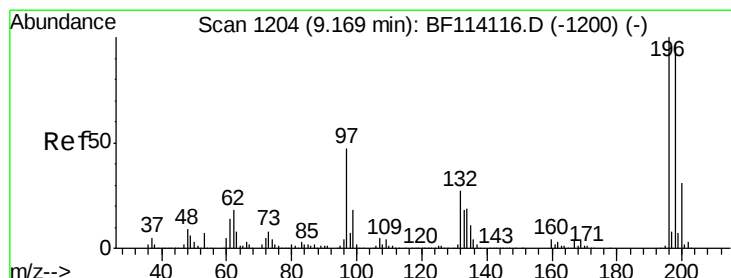
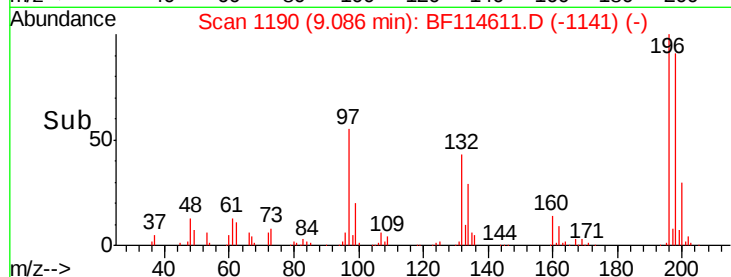
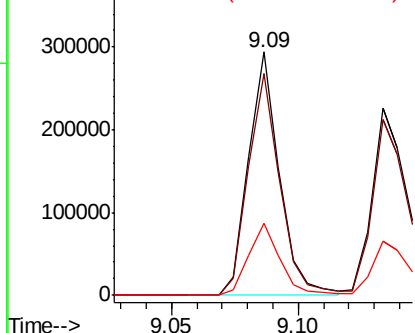
#43  
 2,4,6-Trichlorophenol  
 Concen: 33.799 ng  
 RT: 9.09 min Scan# 1190  
 Delta R.T. -0.01 min  
 Lab File: BF114611.D  
 Acq: 25 May 2019 18:31

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB119943BSD

Tot Ion:196 Resp: 251305  
 Ion Ratio Lower Upper  
 196 100  
 198 91.1 75.9 113.9  
 200 29.7 23.5 35.3

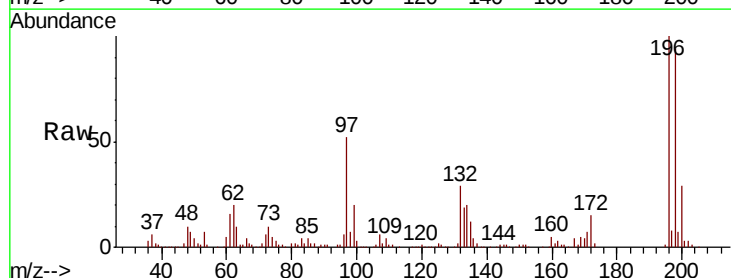


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 200.00 (199.70 to 200.70): E

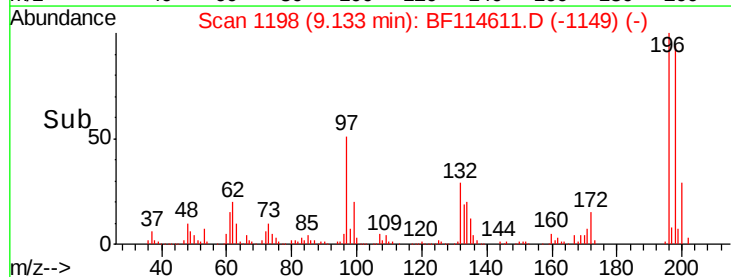
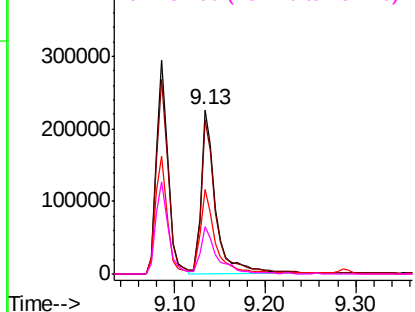


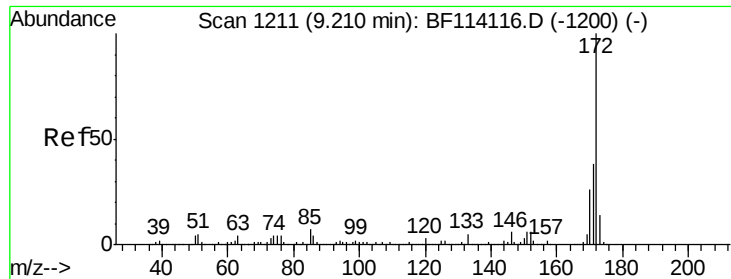
#44  
 2,4,5-Trichlorophenol  
 Concen: 33.437 ng  
 RT: 9.13 min Scan# 1198  
 Delta R.T. -0.01 min  
 Lab File: BF114611.D  
 Acq: 25 May 2019 18:31

Tgt Ion:196 Resp: 254961  
 Ion Ratio Lower Upper  
 196 100  
 198 93.8 77.7 116.5  
 97 51.7 38.2 57.2  
 132 28.8 21.4 32.2



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

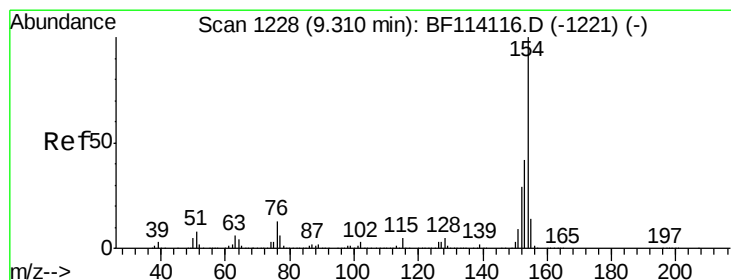
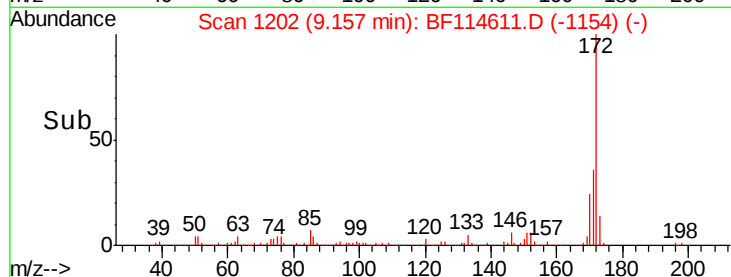
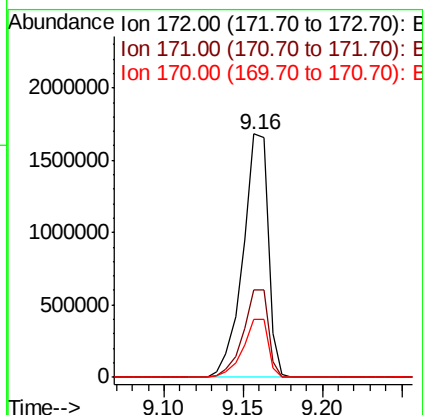
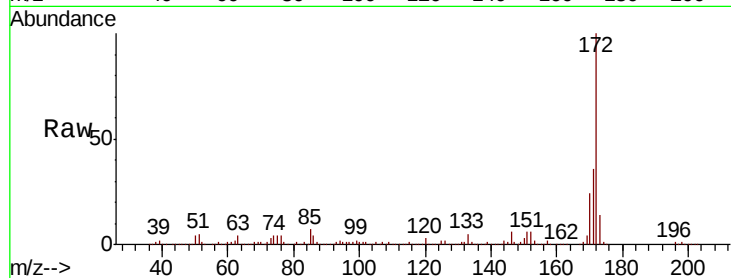




#45  
2-Fluorobiphenyl  
Concen: 78.525 ng  
RT: 9.16 min Scan# 1202  
Delta R.T. -0.02 min  
Lab File: BF114611.D  
Acq: 25 May 2019 18:31

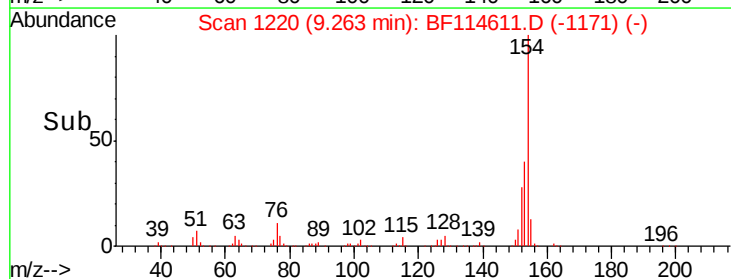
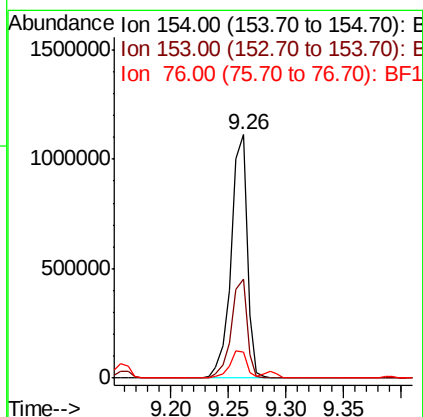
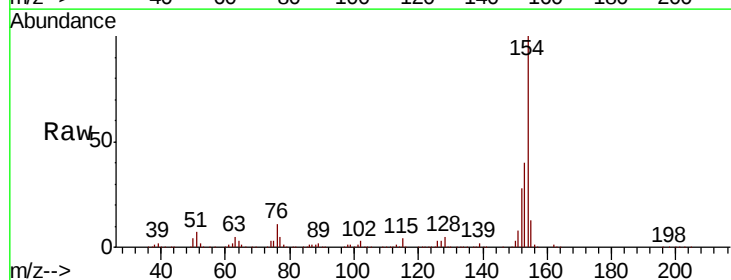
Instrument :  
BNA\_F  
ClientSampleId :  
PB119943BSD

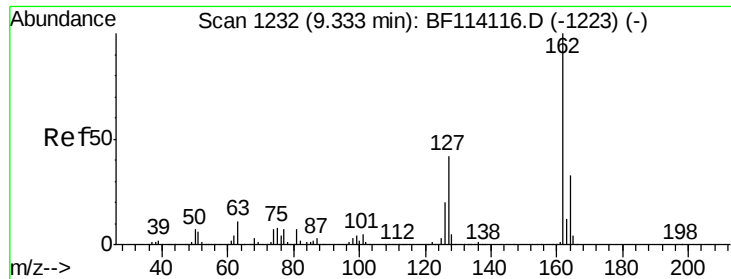
Tot Ion:172 Resp: 1852445  
Ion Ratio Lower Upper  
172 100  
171 35.7 30.7 46.1  
170 23.9 20.5 30.7



#46  
1,1'-Biphenyl  
Concen: 37.251 ng  
RT: 9.26 min Scan# 1220  
Delta R.T. -0.01 min  
Lab File: BF114611.D  
Acq: 25 May 2019 18:31

Tgt Ion:154 Resp: 1073897  
Ion Ratio Lower Upper  
154 100  
153 40.4 21.9 61.9  
76 10.9 0.0 32.8

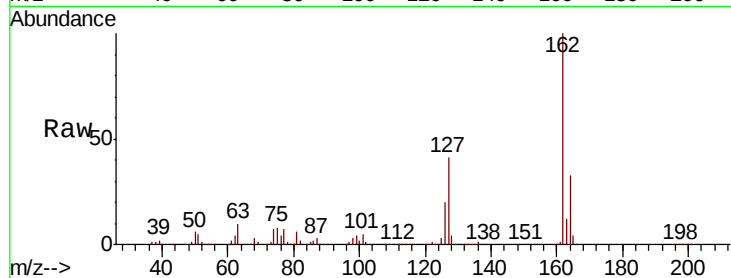




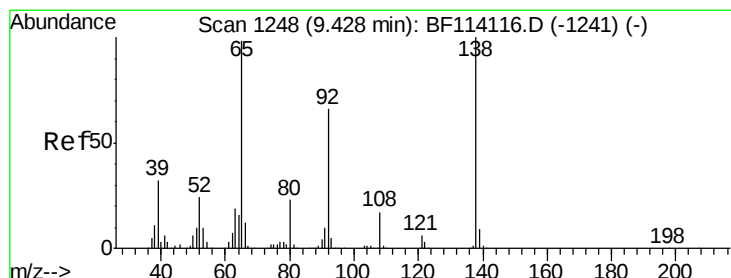
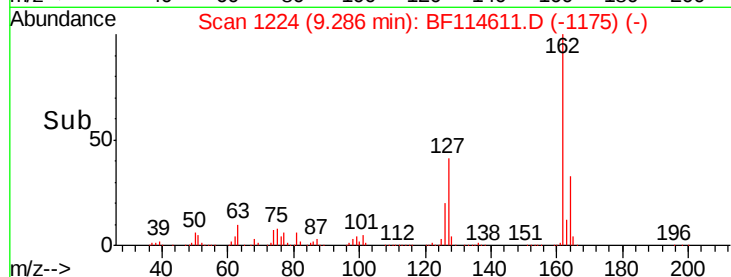
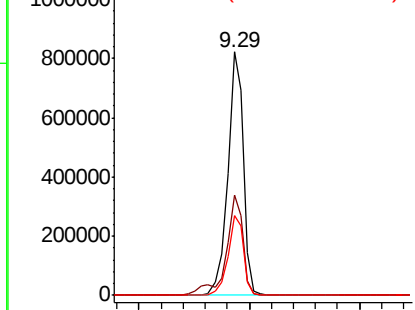
#47  
 2-Chloronaphthalene  
 Concen: 34.889 ng  
 RT: 9.29 min Scan# 1224  
 Delta R.T. -0.01 min  
 Lab File: BF114611.D  
 Acq: 25 May 2019 18:31

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB119943BSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 41.1  | 34.0  | 51.0  |
| 164     | 32.8  | 26.7  | 40.1  |

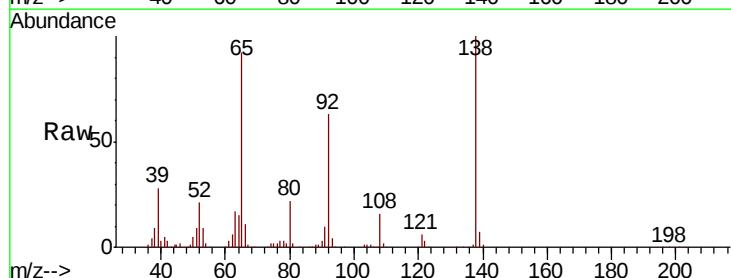


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 127.00 (126.70 to 127.70): E  
 Ion 164.00 (163.70 to 164.70): E

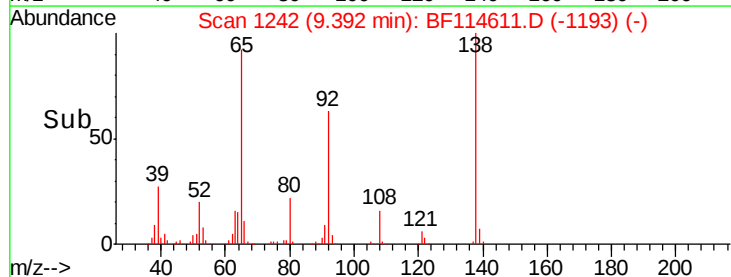
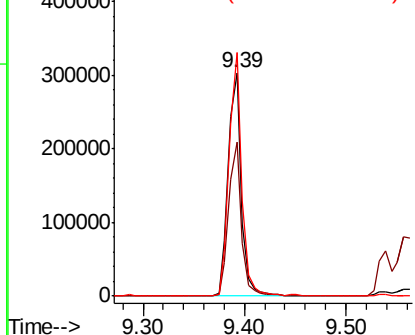


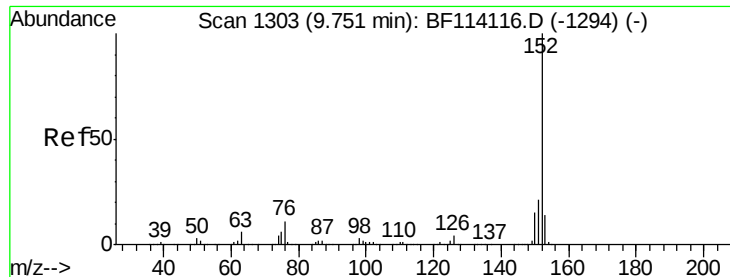
#48  
 2-Nitroaniline  
 Concen: 33.416 ng  
 RT: 9.39 min Scan# 1242  
 Delta R.T. -0.01 min  
 Lab File: BF114611.D  
 Acq: 25 May 2019 18:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 68.6  | 53.9  | 80.9  |
| 138     | 108.8 | 81.4  | 122.0 |



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: 36.009 ng

RT: 9.70 min Scan# 1295

Delta R.T. -0.01 min

Lab File: BF114611.D

Acq: 25 May 2019 18:31

Instrument :

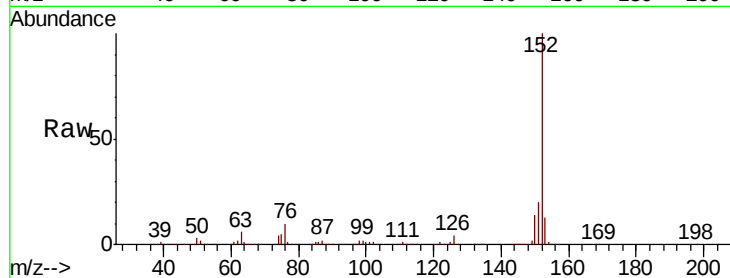
BNA\_F

ClientSampleId :

PB119943BSD

Tot Ion:152 Resp: 1270637

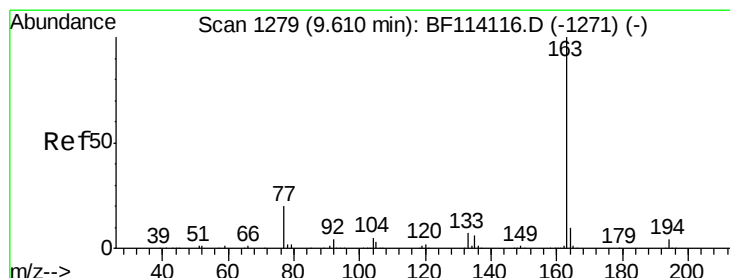
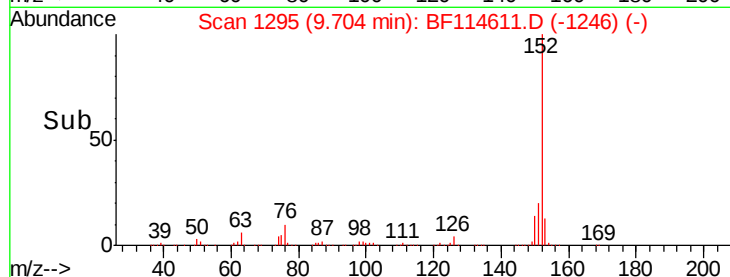
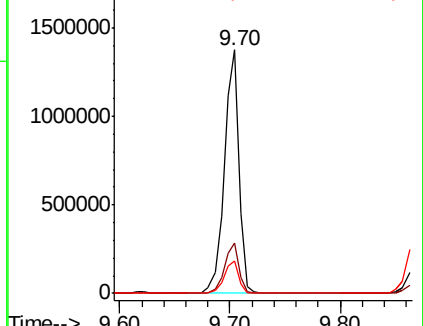
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 151 | 20.5  | 16.8  | 25.2  |
| 153 | 13.3  | 11.4  | 17.2  |



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: 35.291 ng

RT: 9.56 min Scan# 1271

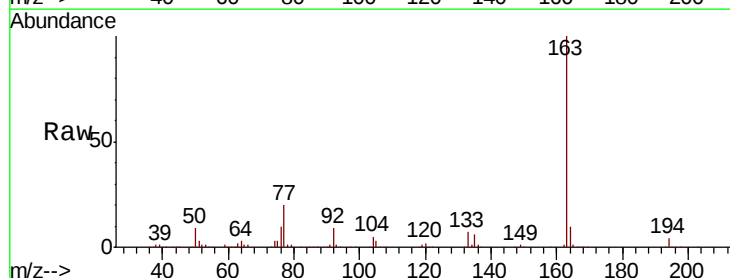
Delta R.T. -0.01 min

Lab File: BF114611.D

Acq: 25 May 2019 18:31

Tgt Ion:163 Resp: 924486

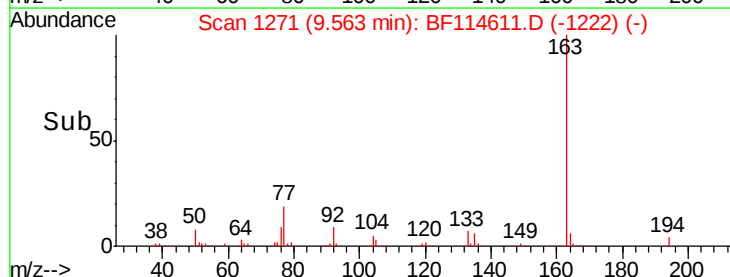
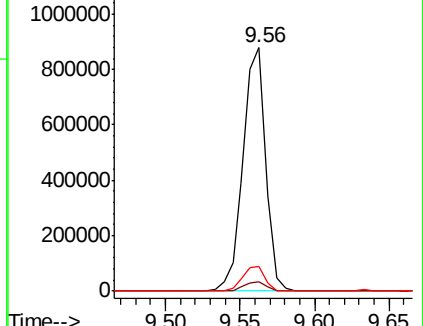
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 163 | 100   |       |       |
| 194 | 4.0   | 3.4   | 5.0   |
| 164 | 10.4  | 8.2   | 12.2  |

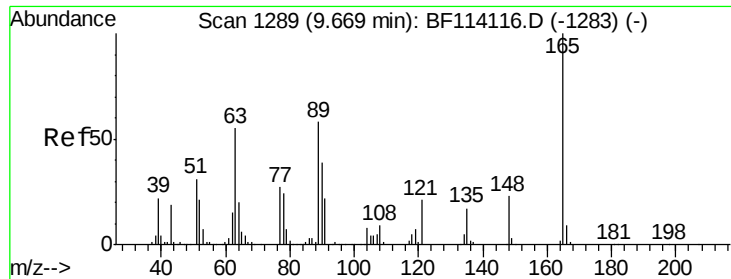


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

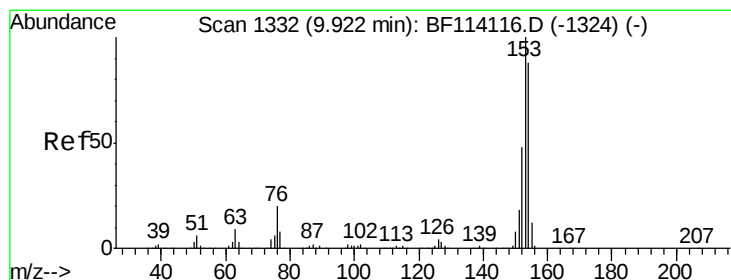
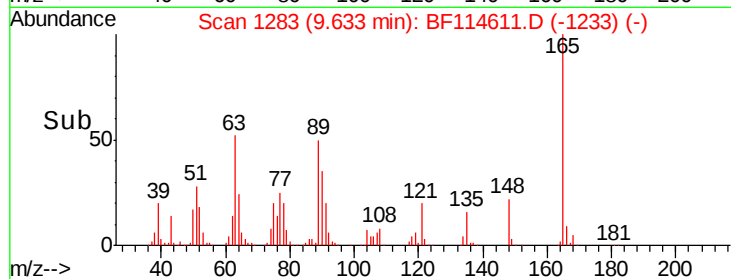
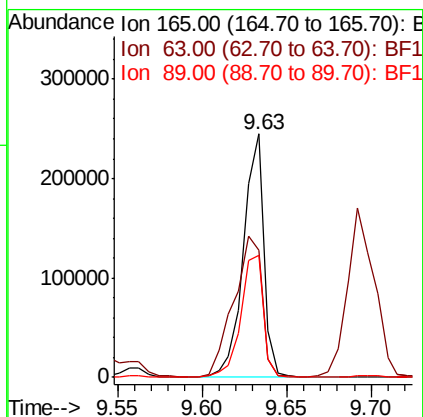
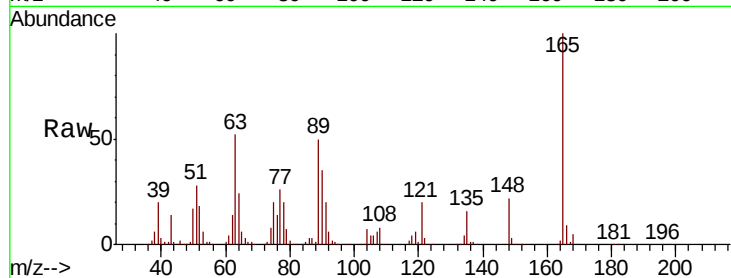




#51  
 2,6-Dinitrotoluene  
 Concen: 35.904 ng  
 RT: 9.63 min Scan# 1283  
 Delta R.T. -0.01 min  
 Lab File: BF114611.D  
 Acq: 25 May 2019 18:31

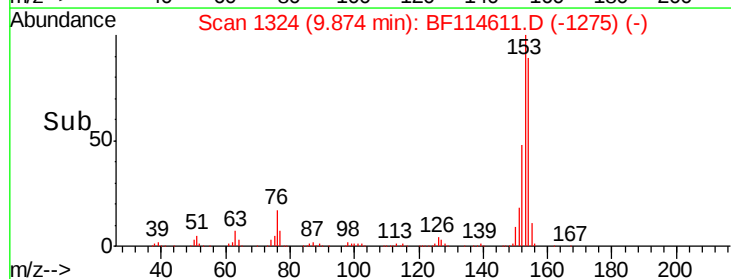
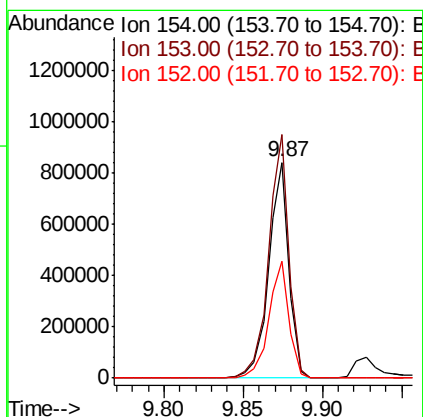
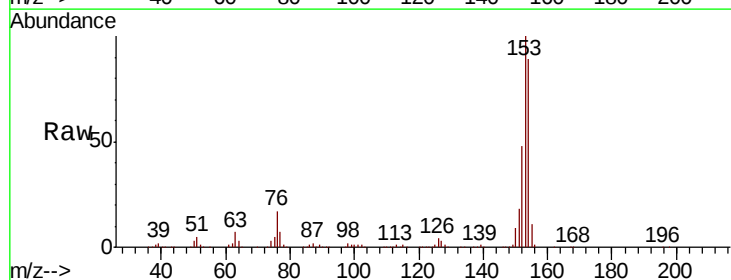
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB119943BSD

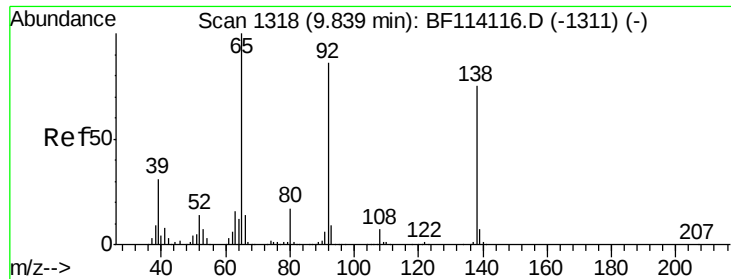
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 52.0  | 50.2  | 75.4  |
| 89      | 50.4  | 46.6  | 69.8  |



#52  
 Acenaphthene  
 Concen: 34.728 ng  
 RT: 9.87 min Scan# 1324  
 Delta R.T. -0.01 min  
 Lab File: BF114611.D  
 Acq: 25 May 2019 18:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 112.9 | 90.5  | 135.7 |
| 152     | 54.1  | 43.4  | 65.2  |

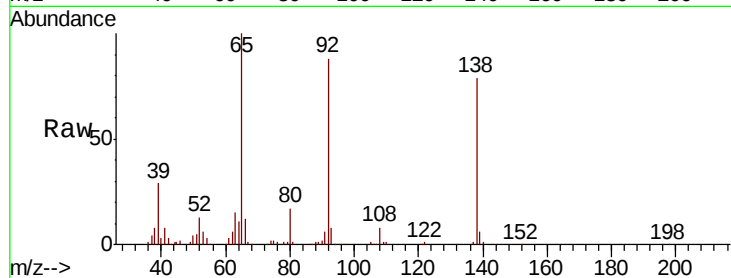




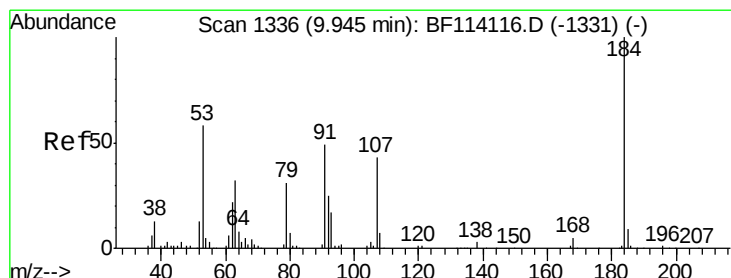
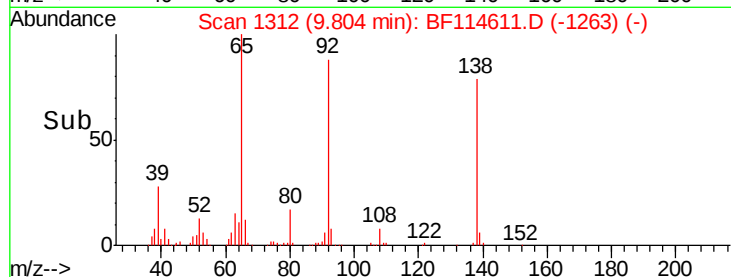
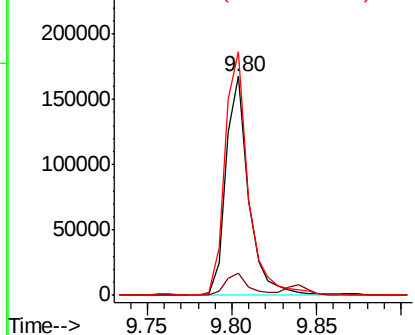
#53  
3-Nitroaniline  
Concen: 21.844 ng  
RT: 9.80 min Scan# 1312  
Delta R.T. -0.01 min  
Lab File: BF114611.D  
Acq: 25 May 2019 18:31

Instrument :  
BNA\_F  
ClientSampleId :  
PB119943BSD

Tot Ion:138 Resp: 157546  
Ion Ratio Lower Upper  
138 100  
108 9.9 7.8 11.6  
92 111.1 91.2 136.8

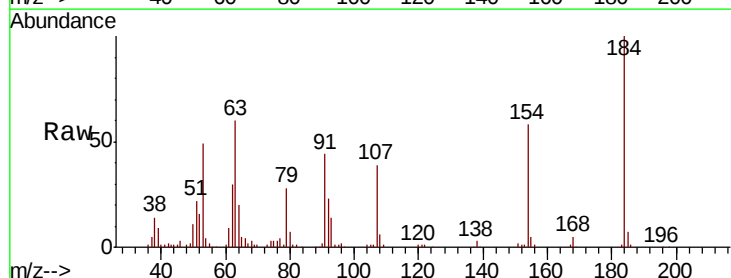


Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 92.00 (91.70 to 92.70): BF1

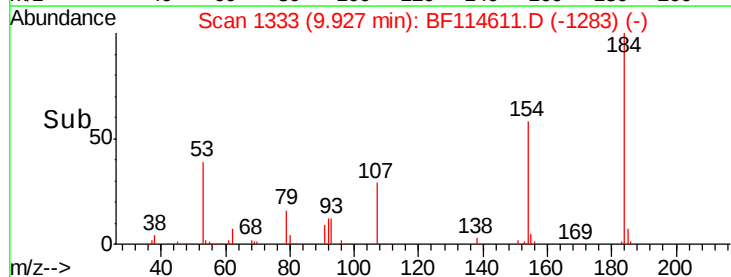
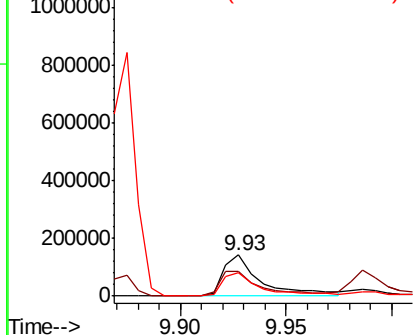


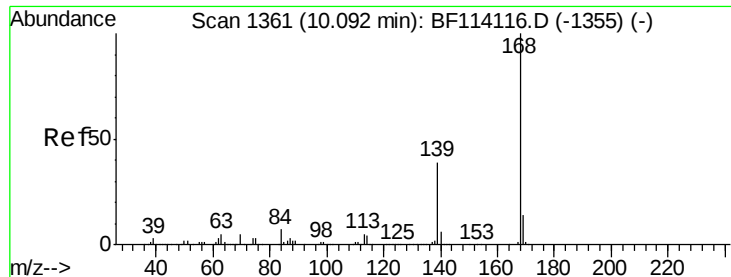
#54  
2,4-Dinitrophenol  
Concen: 62.043 ng  
RT: 9.93 min Scan# 1333  
Delta R.T. -0.01 min  
Lab File: BF114611.D  
Acq: 25 May 2019 18:31

Tgt Ion:184 Resp: 176433  
Ion Ratio Lower Upper  
184 100  
63 60.1 55.6 83.4  
154 58.0 46.0 69.0



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

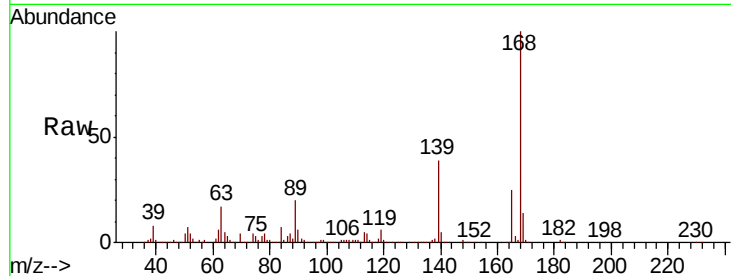




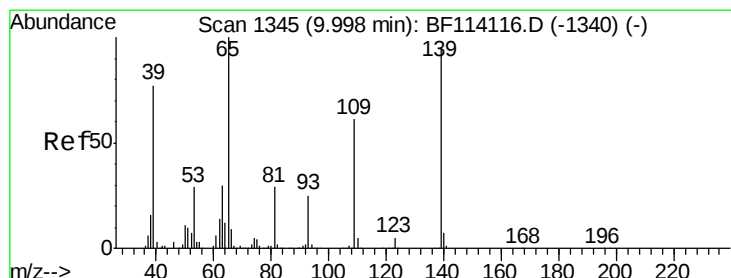
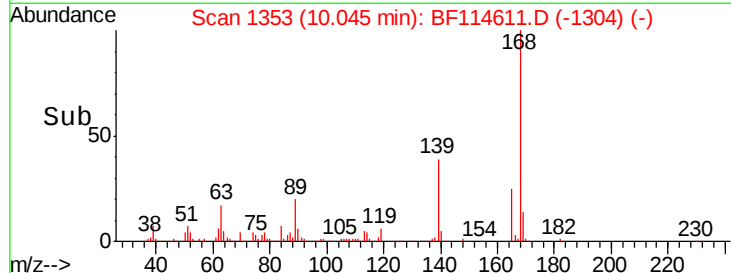
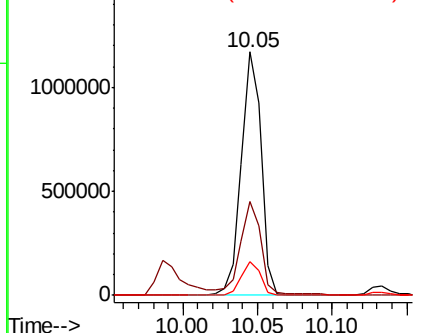
#55  
Dibenzofuran  
Concen: 34.190 ng  
RT: 10.05 min Scan# 1353  
Delta R.T. -0.01 min  
Lab File: BF114611.D  
Acq: 25 May 2019 18:31

Instrument :  
BNA\_F  
ClientSampleId :  
PB119943BSD

Tot Ion:168 Resp: 1085591  
Ion Ratio Lower Upper  
168 100  
139 38.7 31.1 46.7  
169 14.1 11.4 17.0

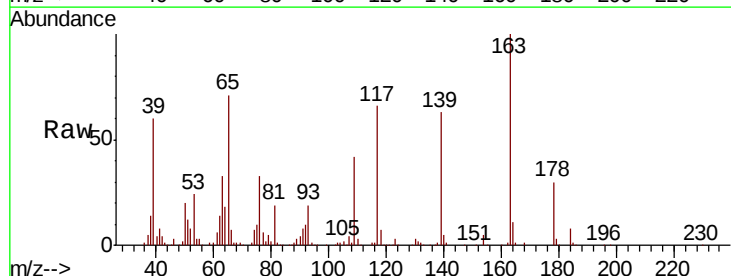


Abundance Ion 168.00 (167.70 to 168.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 169.00 (168.70 to 169.70): E

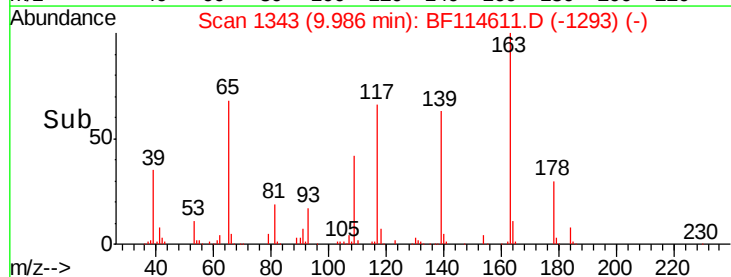
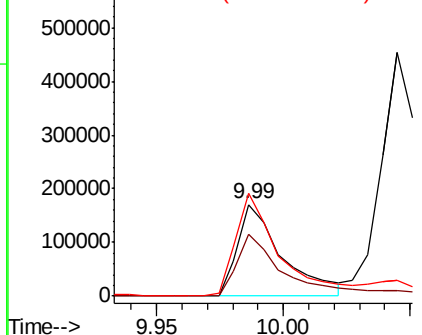


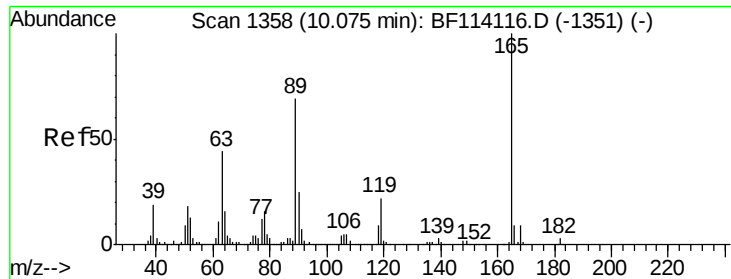
#56  
4-Nitrophenol  
Concen: 41.262 ng  
RT: 9.99 min Scan# 1343  
Delta R.T. -0.01 min  
Lab File: BF114611.D  
Acq: 25 May 2019 18:31

Tgt Ion:139 Resp: 210461  
Ion Ratio Lower Upper  
139 100  
109 67.1 43.9 83.9  
65 112.1 85.7 125.7



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

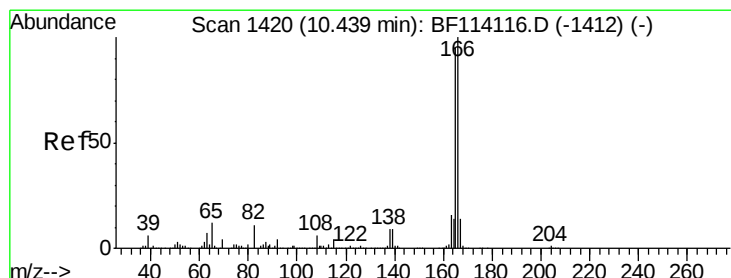
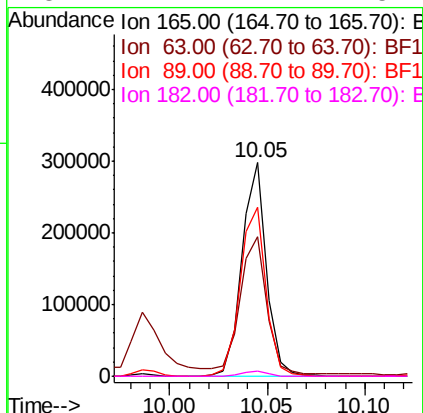
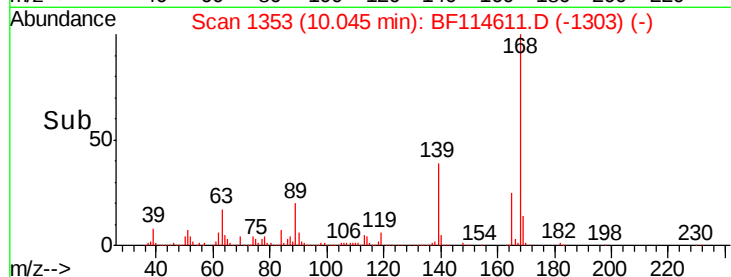
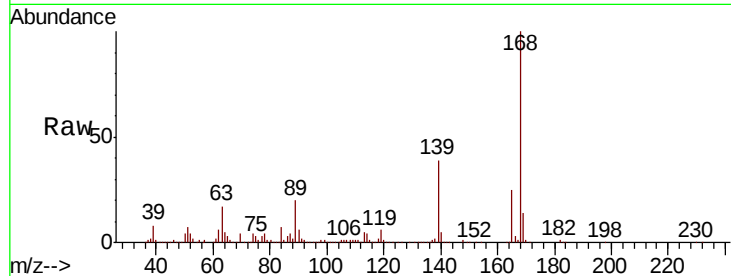




#57  
 2,4-Dinitrotoluene  
 Concen: 32.773 ng  
 RT: 10.05 min Scan# 1353  
 Delta R.T. -0.01 min  
 Lab File: BF114611.D  
 Acq: 25 May 2019 18:31

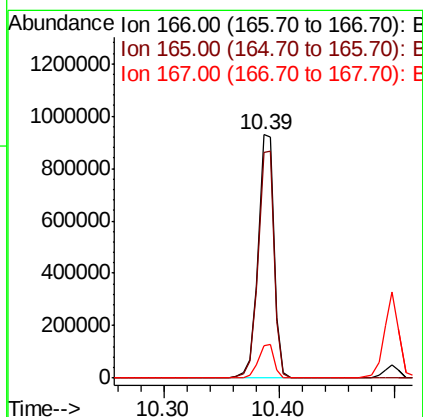
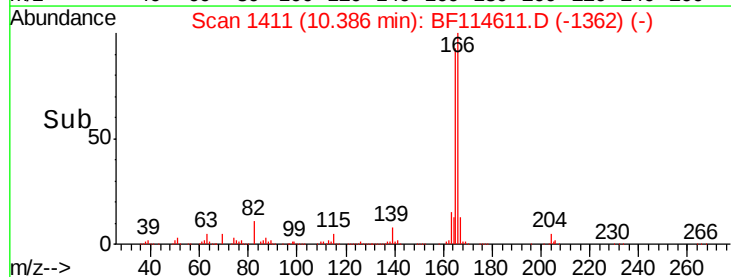
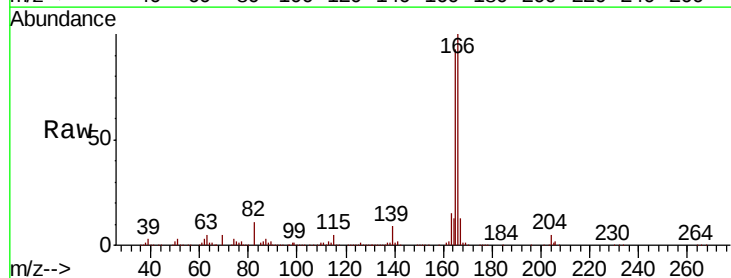
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB119943BSD

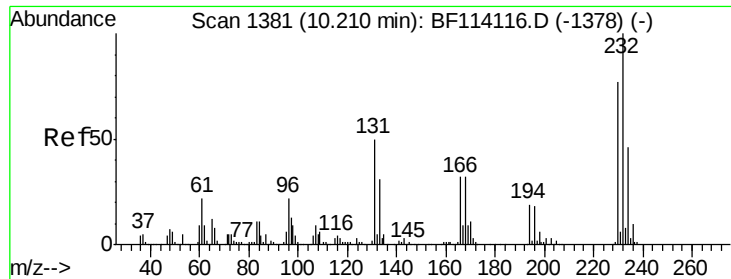
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 65.5  | 35.5  | 53.3# |
| 89      | 78.9  | 55.2  | 82.8  |
| 182     | 2.4   | 2.2   | 3.2   |



#58  
 Fluorene  
 Concen: 36.795 ng  
 RT: 10.39 min Scan# 1411  
 Delta R.T. -0.01 min  
 Lab File: BF114611.D  
 Acq: 25 May 2019 18:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 92.6  | 76.1  | 114.1 |
| 167     | 13.4  | 11.1  | 16.7  |

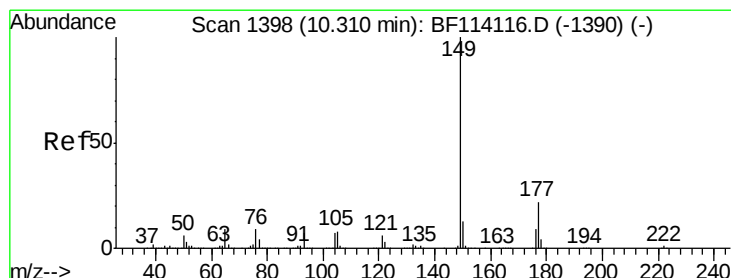
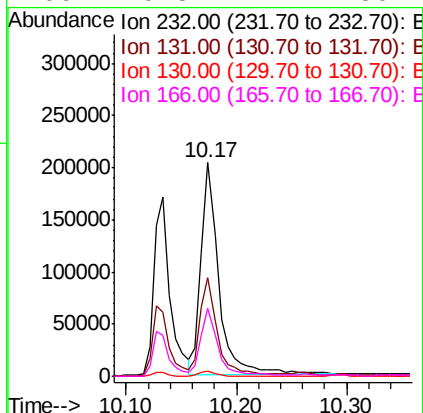
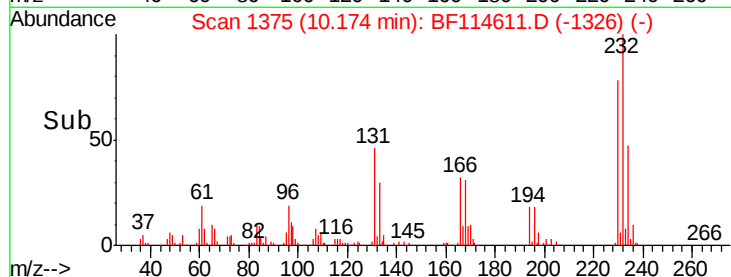
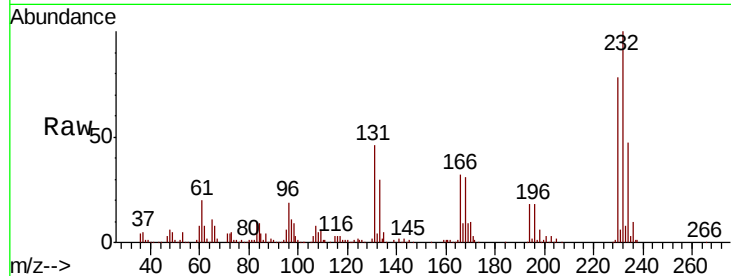




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 33.487 ng  
RT: 10.17 min Scan# 1375  
Delta R.T. -0.01 min  
Lab File: BF114611.D  
Acq: 25 May 2019 18:31

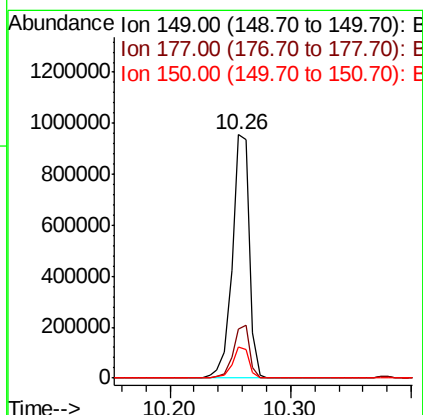
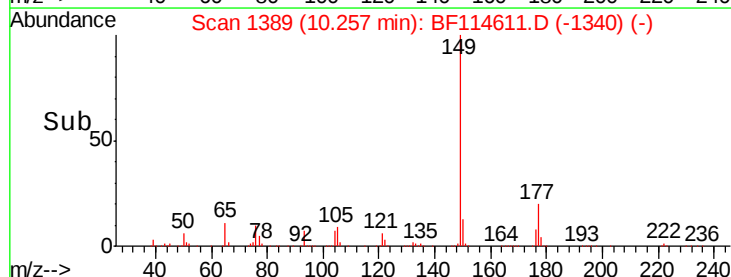
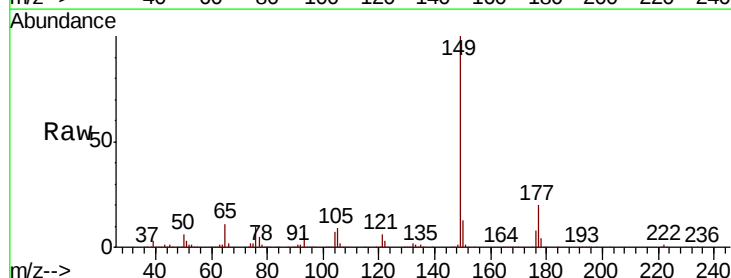
Instrument :  
BNA\_F  
ClientSampleId :  
PB119943BSD

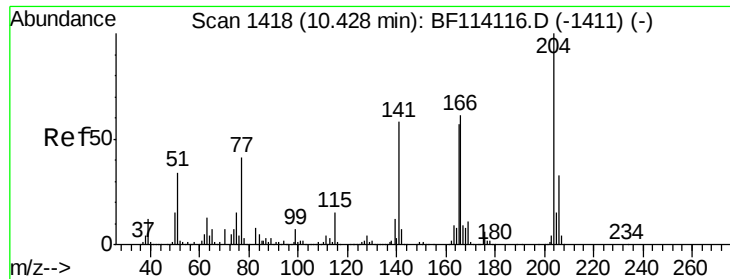
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 232   | Resp: | 220319 |
| Ion      | Ratio | Lower | Upper  |
| 232      | 100   |       |        |
| 131      | 43.2  | 35.6  | 53.4   |
| 130      | 2.3   | 1.6   | 2.4    |
| 166      | 29.8  | 24.1  | 36.1   |



#60  
Diethylphthalate  
Concen: 35.333 ng  
RT: 10.26 min Scan# 1389  
Delta R.T. -0.01 min  
Lab File: BF114611.D  
Acq: 25 May 2019 18:31

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 149   | Resp: | 940446 |
| Ion      | Ratio | Lower | Upper  |
| 149      | 100   |       |        |
| 177      | 20.4  | 17.8  | 26.6   |
| 150      | 12.9  | 10.2  | 15.2   |

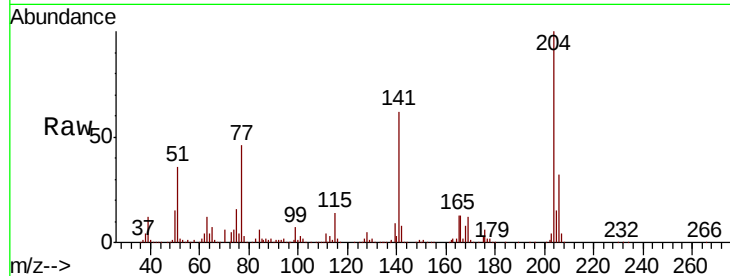




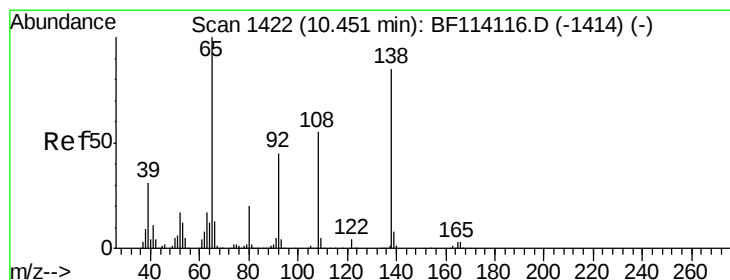
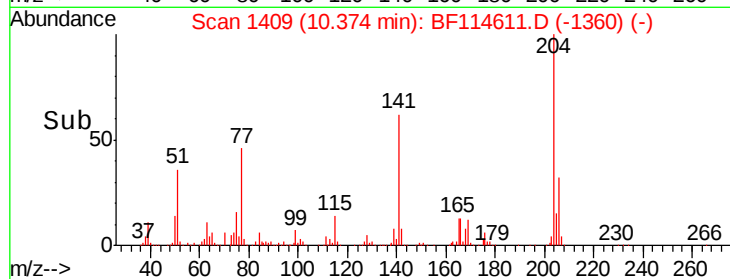
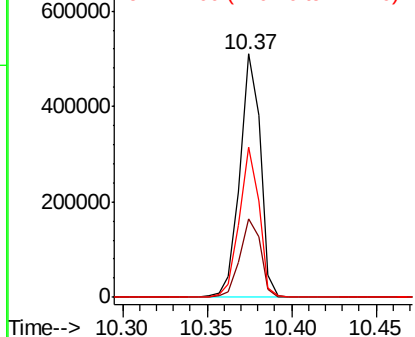
#61  
4-Chlorophenyl-phenylether  
Concen: 35.795 ng  
RT: 10.37 min Scan# 1409  
Delta R.T. -0.01 min  
Lab File: BF114611.D  
Acq: 25 May 2019 18:31

Instrument :  
BNA\_F  
ClientSampleId :  
PB119943BSD

Tot Ion:204 Resp: 431177  
Ion Ratio Lower Upper  
204 100  
206 32.3 26.6 39.8  
141 61.8 46.4 69.6

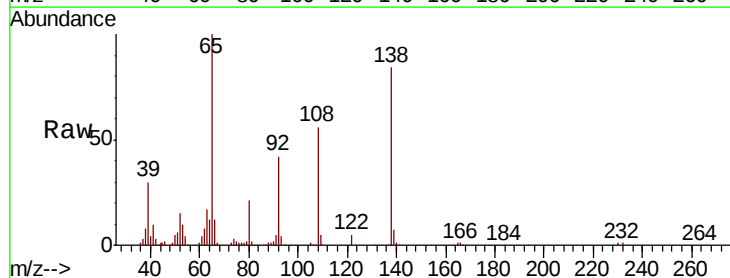


Abundance Ion 204.00 (203.70 to 204.70): E  
Ion 206.00 (205.70 to 206.70): E  
Ion 141.00 (140.70 to 141.70): E

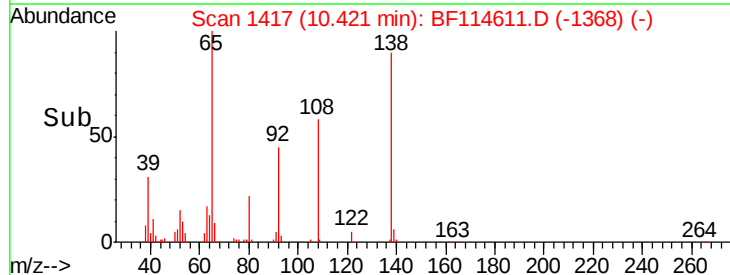
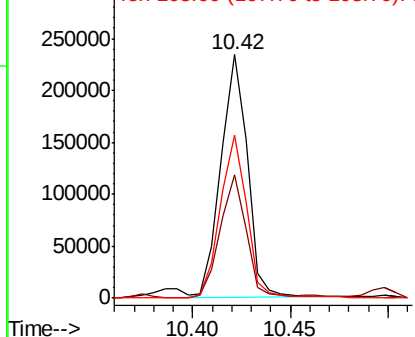


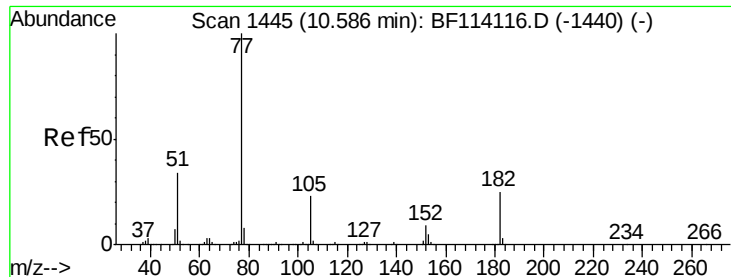
#62  
4-Nitroaniline  
Concen: 29.239 ng  
RT: 10.42 min Scan# 1417  
Delta R.T. -0.01 min  
Lab File: BF114611.D  
Acq: 25 May 2019 18:31

Tgt Ion:138 Resp: 221600  
Ion Ratio Lower Upper  
138 100  
92 50.4 33.0 73.0  
108 66.8 44.9 84.9



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

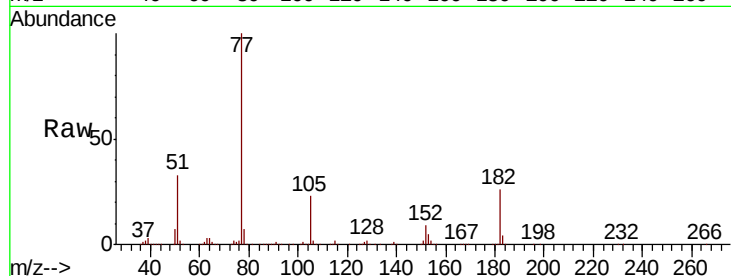




#63  
Azobenzene  
Concen: 34.923 ng  
RT: 10.54 min Scan# 1437  
Delta R.T. -0.01 min  
Lab File: BF114611.D  
Acq: 25 May 2019 18:31

Instrument :  
BNA\_F  
ClientSampleId :  
PB119943BSD

| Tot Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 77      | 77  | 100   |       |       |
| 182     | 182 | 26.1  | 4.7   | 44.7  |
| 105     | 105 | 23.3  | 2.9   | 42.9  |
| 51      | 51  | 33.5  | 14.6  | 54.6  |



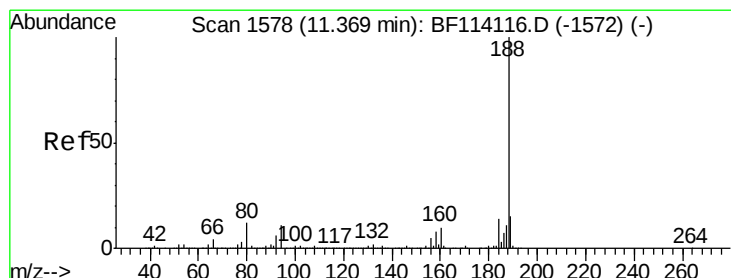
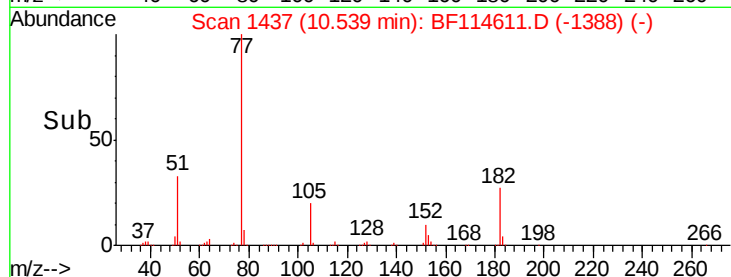
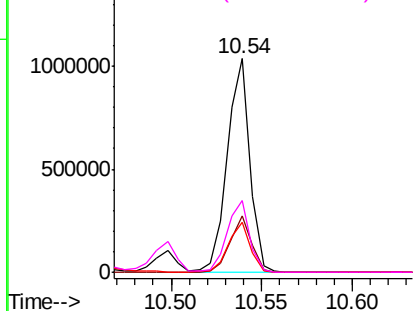
Abundance

Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

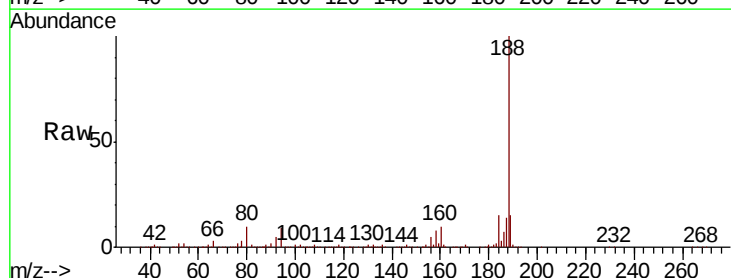
Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.33 min Scan# 1571  
Delta R.T. -0.01 min  
Lab File: BF114611.D  
Acq: 25 May 2019 18:31

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 188     | 188 | 100   |       |       |
| 94      | 94  | 8.6   | 8.4   | 12.6  |
| 80      | 80  | 9.7   | 9.2   | 13.8  |

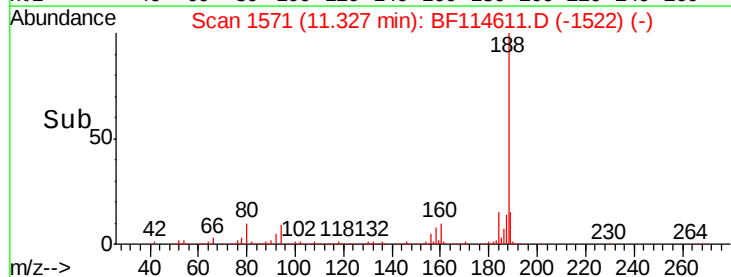
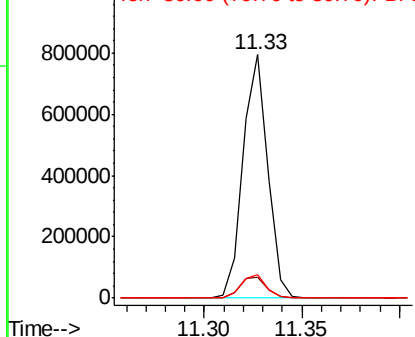


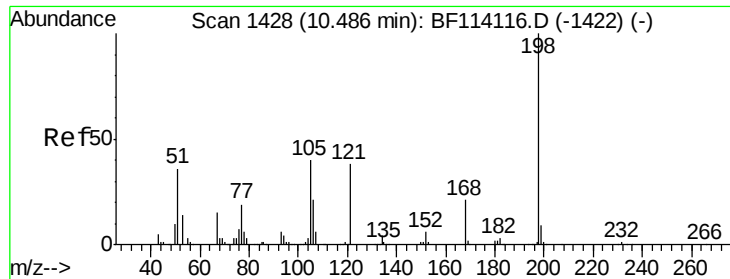
Abundance

Ion 188.00 (187.70 to 188.70): BF1

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: 36.046 ng

RT: 10.46 min Scan# 1424

Delta R.T. -0.01 min

Lab File: BF114611.D

Acq: 25 May 2019 18:31

Instrument :

BNA\_F

ClientSampleId :

PB119943BSD

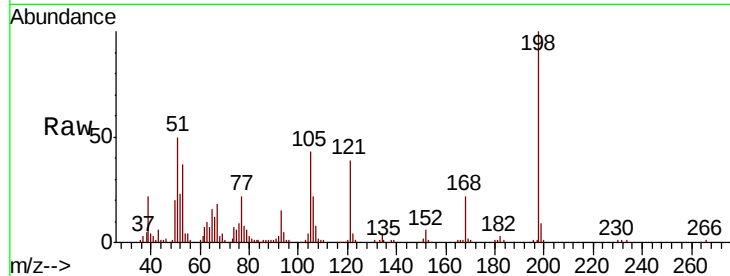
Tot Ion:198 Resp: 120936

Ion Ratio Lower Upper

198 100

51 50.2 28.0 68.0

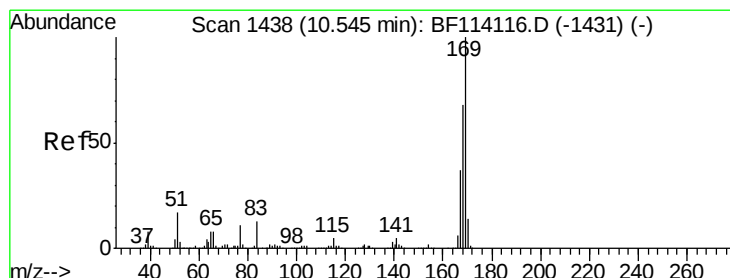
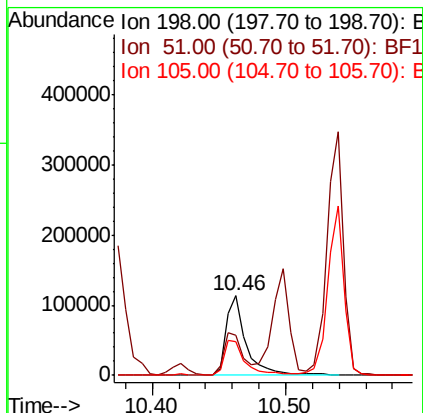
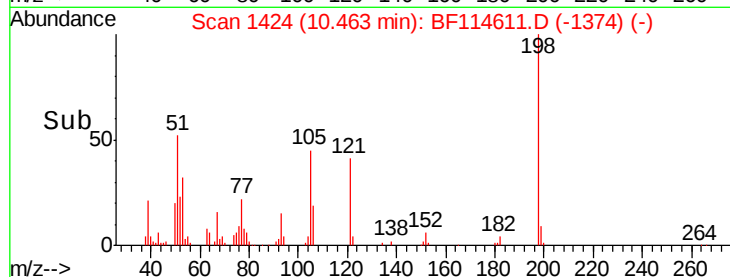
105 42.6 21.1 61.1



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: 37.705 ng

RT: 10.50 min Scan# 1430

Delta R.T. -0.01 min

Lab File: BF114611.D

Acq: 25 May 2019 18:31

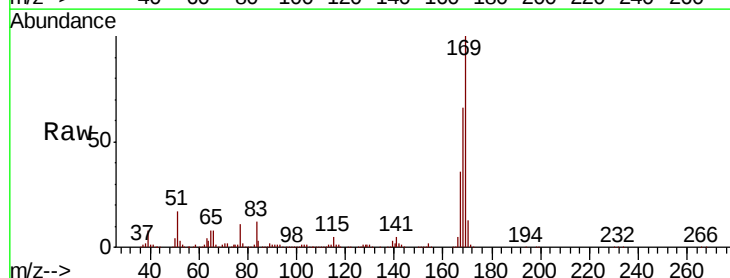
Tgt Ion:169 Resp: 799013

Ion Ratio Lower Upper

169 100

168 66.1 54.2 81.2

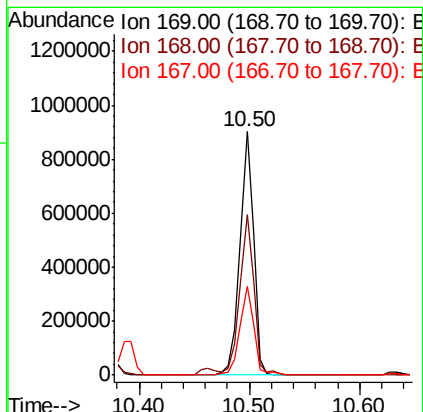
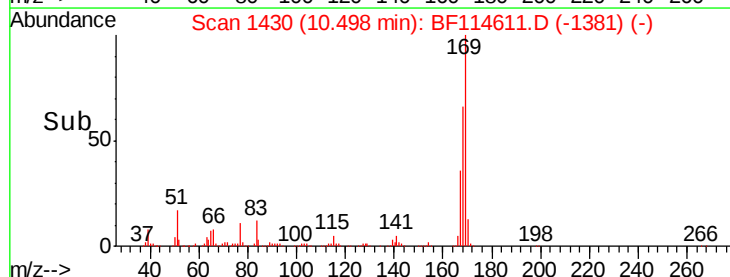
167 36.4 29.8 44.8

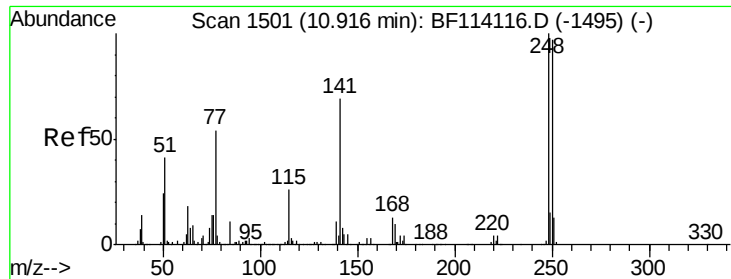


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

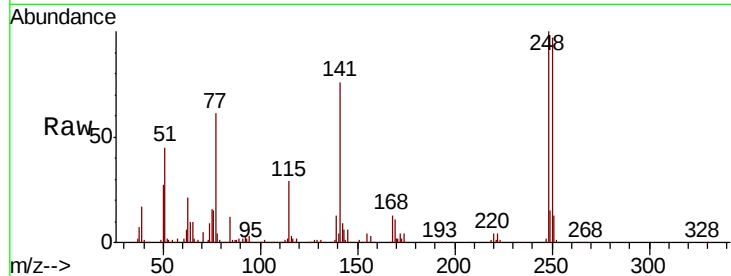




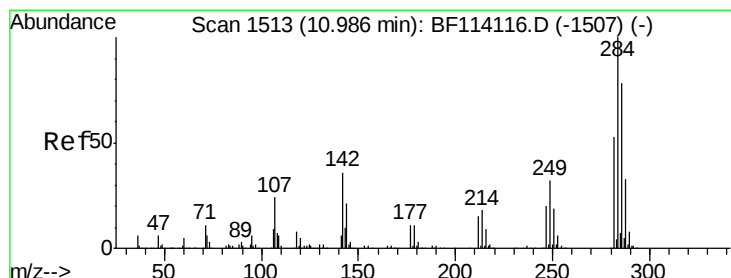
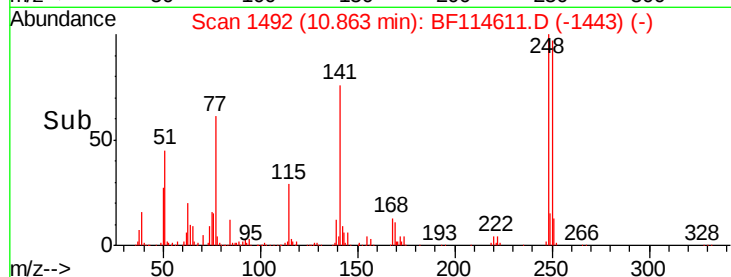
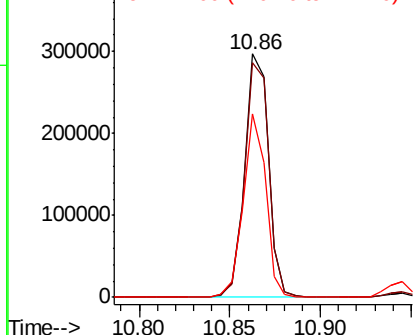
#67  
4-Bromophenyl-phenylether  
Concen: 35.288 ng  
RT: 10.86 min Scan# 1492  
Delta R.T. -0.01 min  
Lab File: BF114611.D  
Acq: 25 May 2019 18:31

Instrument :  
BNA\_F  
ClientSampleId :  
PB119943BSD

Tot Ion:248 Resp: 271288  
Ion Ratio Lower Upper  
248 100  
250 96.6 77.4 116.2  
141 75.6 55.6 83.4

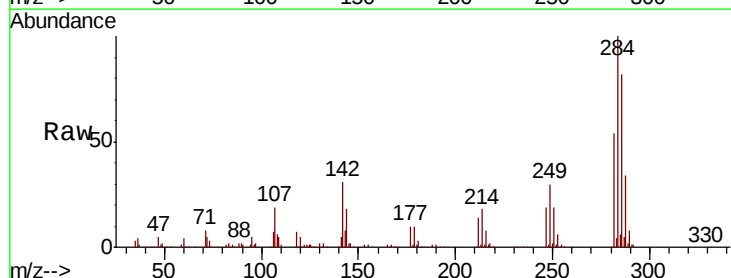


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

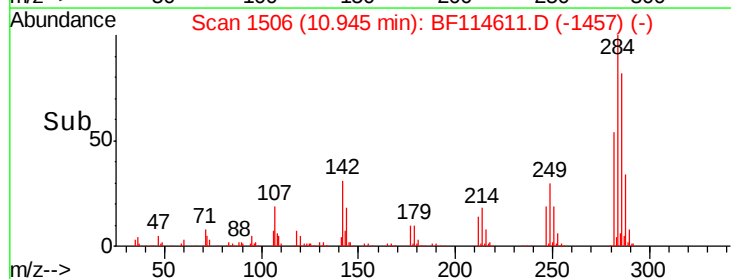
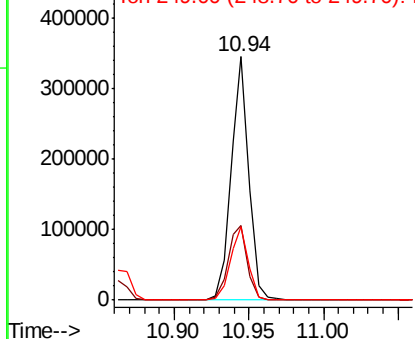


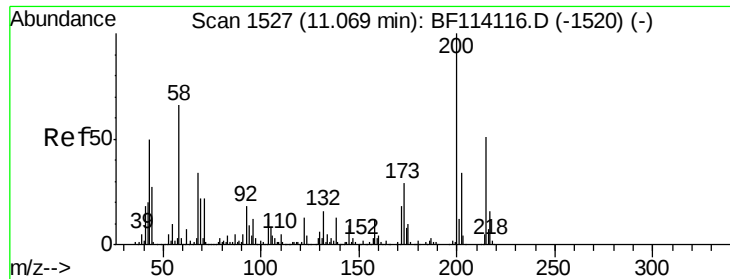
#68  
Hexachlorobenzene  
Concen: 34.040 ng  
RT: 10.94 min Scan# 1506  
Delta R.T. -0.01 min  
Lab File: BF114611.D  
Acq: 25 May 2019 18:31

Tgt Ion:284 Resp: 289503  
Ion Ratio Lower Upper  
284 100  
142 30.9 28.4 42.6  
249 30.0 25.2 37.8



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

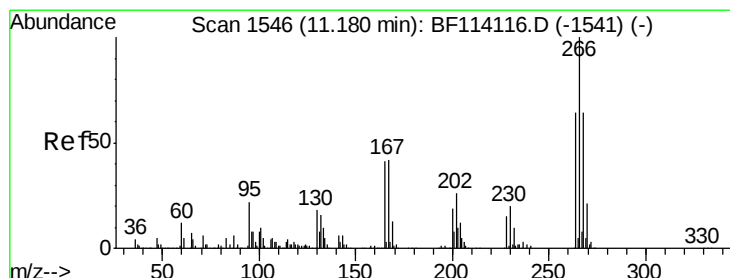
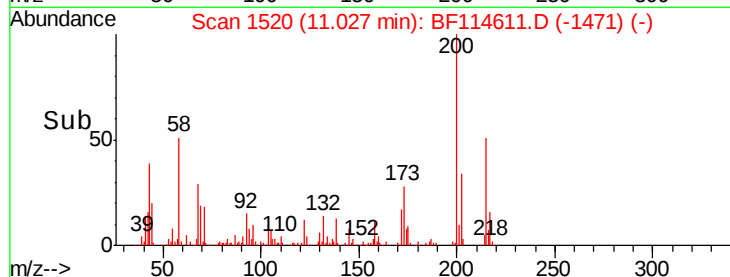
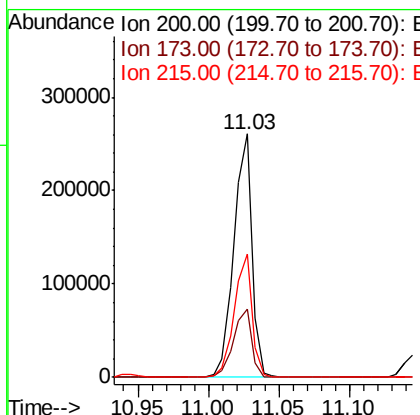
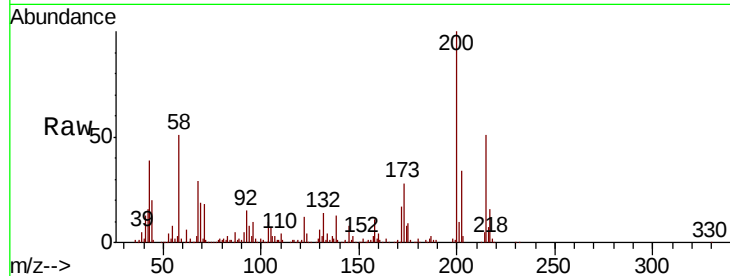




#69  
Atrazine  
Concen: 35.431 ng  
RT: 11.03 min Scan# 1520  
Delta R.T. -0.01 min  
Lab File: BF114611.D  
Acq: 25 May 2019 18:31

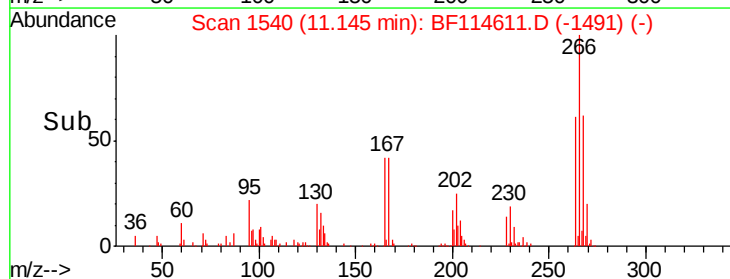
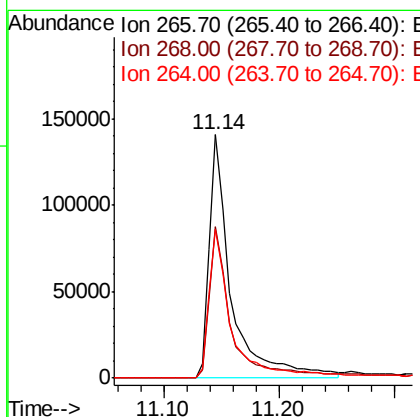
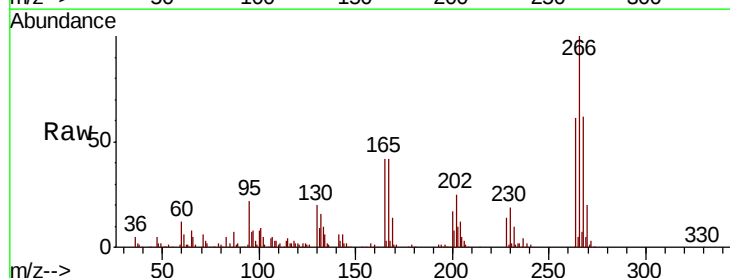
Instrument :  
BNA\_F  
ClientSampleId :  
PB119943BSD

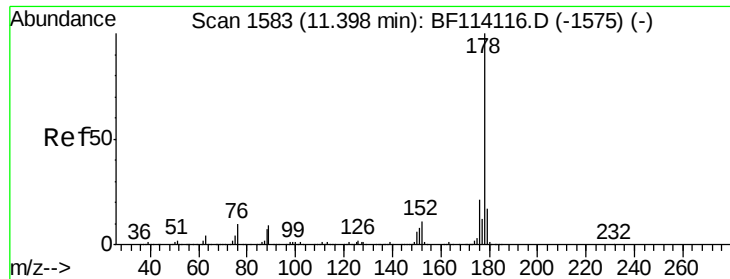
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 28.0  | 8.9   | 48.9  |
| 215     | 50.5  | 30.7  | 70.7  |



#70  
Pentachlorophenol  
Concen: 45.551 ng  
RT: 11.14 min Scan# 1540  
Delta R.T. -0.01 min  
Lab File: BF114611.D  
Acq: 25 May 2019 18:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 62.4  | 51.1  | 76.7  |
| 264     | 61.3  | 51.1  | 76.7  |

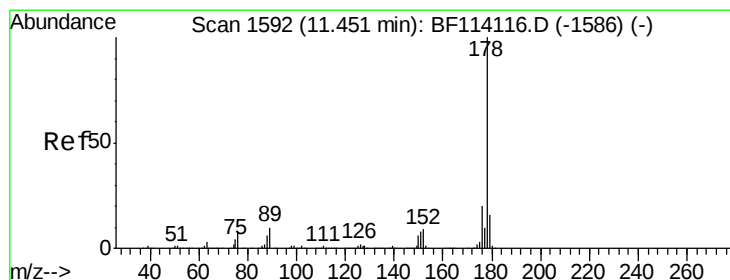
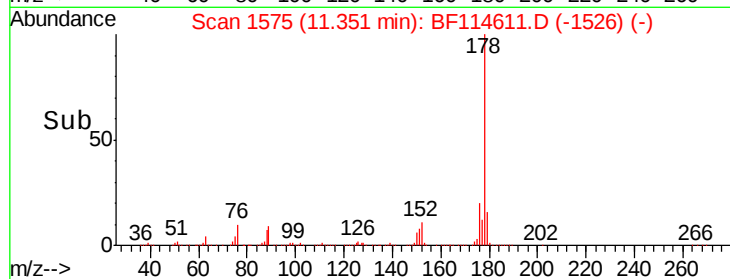
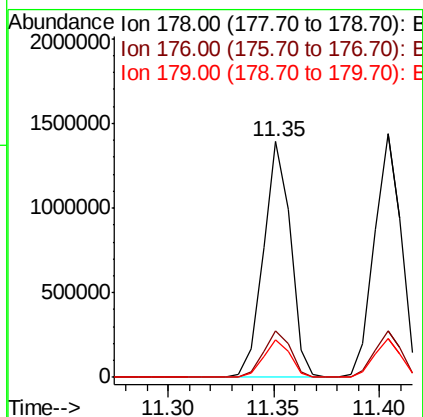
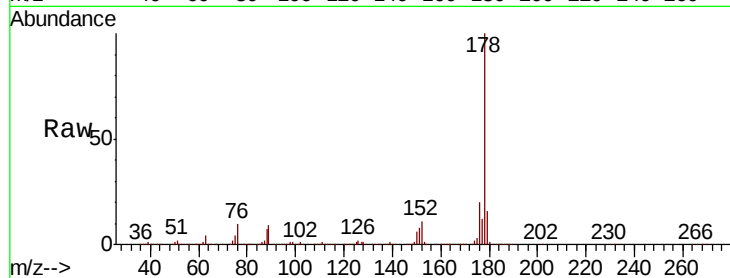




#71  
 Phenanthrene  
 Concen: 36.736 ng  
 RT: 11.35 min Scan# 1575  
 Delta R.T. -0.01 min  
 Lab File: BF114611.D  
 Acq: 25 May 2019 18:31

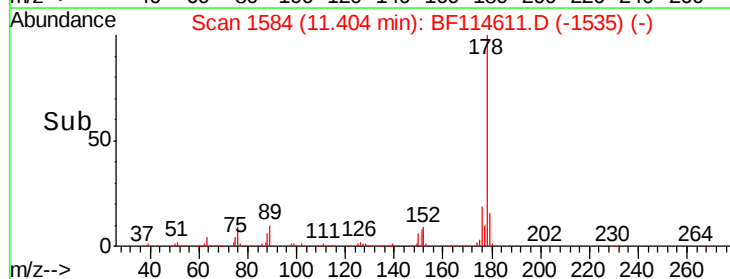
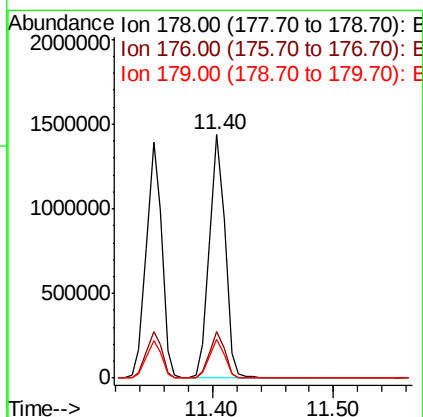
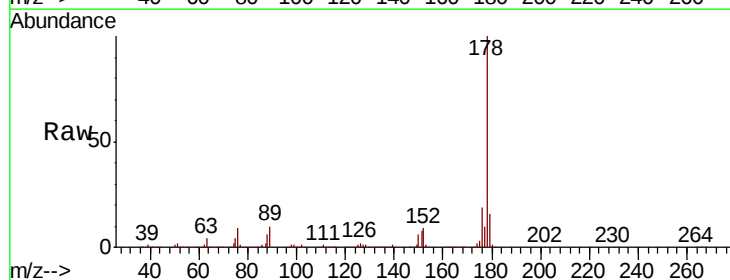
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB119943BSD

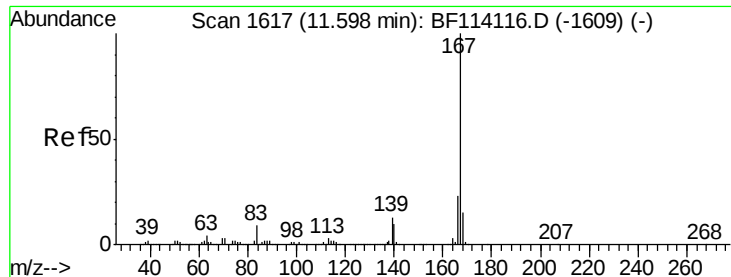
Tot Ion:178 Resp: 1247899  
 Ion Ratio Lower Upper  
 178 100  
 176 19.8 16.4 24.6  
 179 16.2 13.2 19.8



#72  
 Anthracene  
 Concen: 38.004 ng  
 RT: 11.40 min Scan# 1584  
 Delta R.T. -0.01 min  
 Lab File: BF114611.D  
 Acq: 25 May 2019 18:31

Tgt Ion:178 Resp: 1296694  
 Ion Ratio Lower Upper  
 178 100  
 176 19.0 15.8 23.8  
 179 16.1 13.0 19.4





#73

Carbazole

Concen: 37.282 ng

RT: 11.56 min Scan# 1611

Delta R.T. -0.01 min

Lab File: BF114611.D

Acq: 25 May 2019 18:31

Instrument :

BNA\_F

ClientSampleId :

PB119943BSD

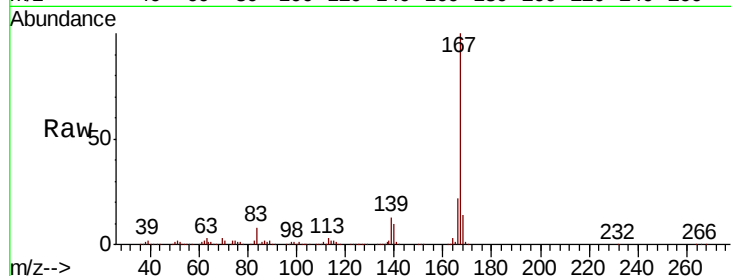
Tot Ion:167 Resp: 1213027

Ion Ratio Lower Upper

167 100

166 22.1 18.2 27.2

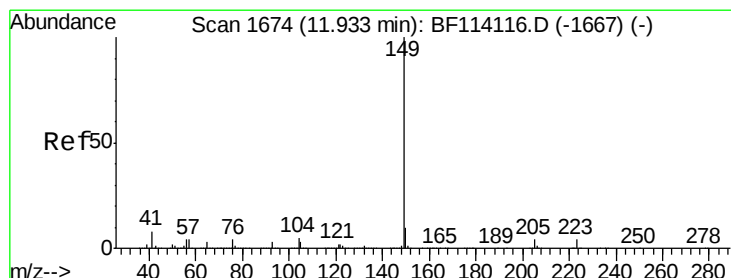
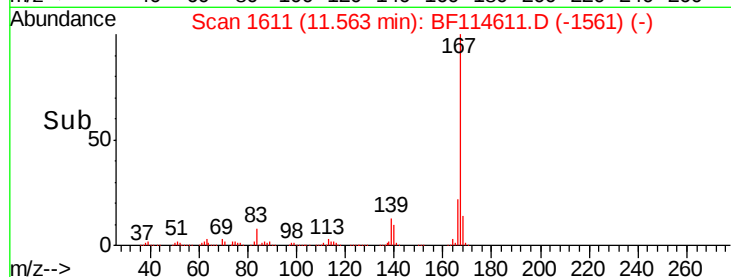
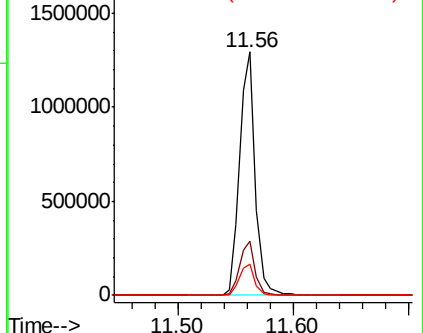
139 13.0 10.6 16.0



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: 37.598 ng

RT: 11.88 min Scan# 1665

Delta R.T. -0.01 min

Lab File: BF114611.D

Acq: 25 May 2019 18:31

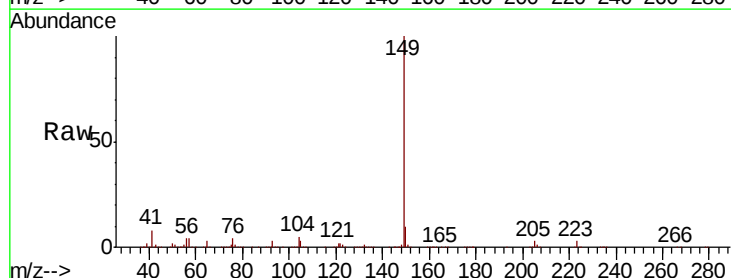
Tgt Ion:149 Resp: 1409351

Ion Ratio Lower Upper

149 100

150 9.5 7.7 11.5

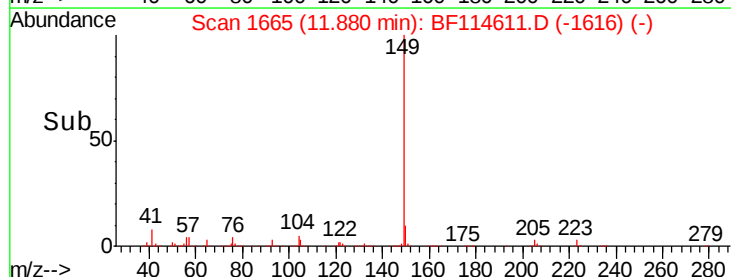
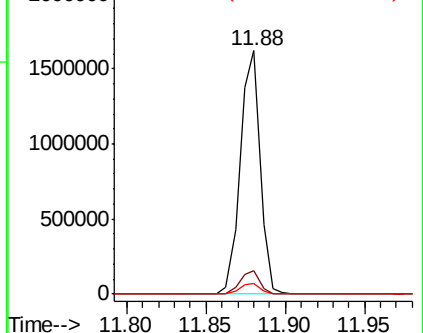
104 4.6 3.6 5.4

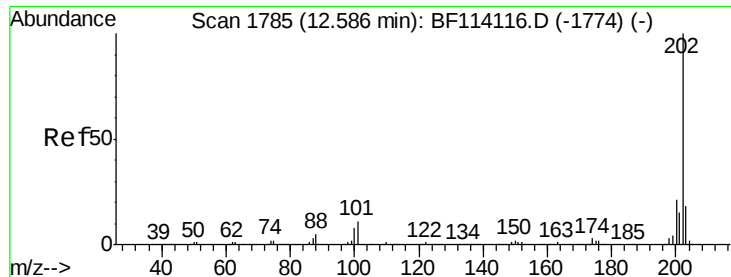


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

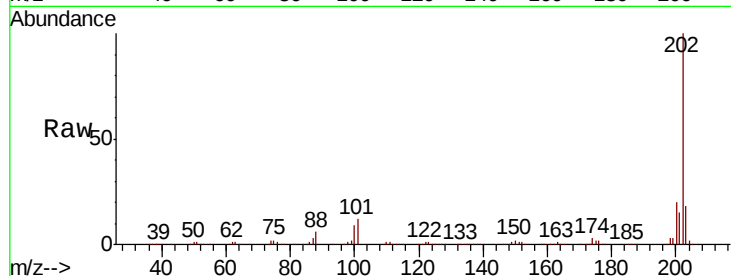




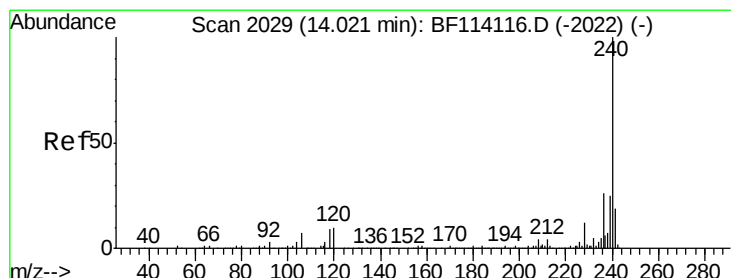
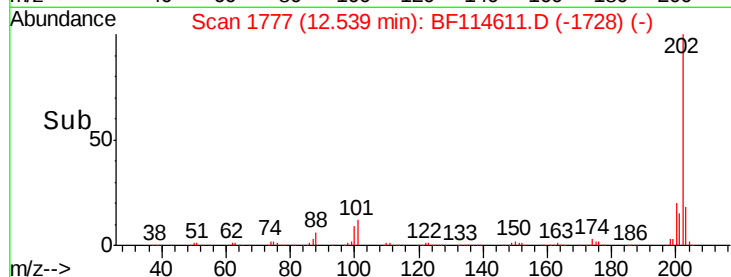
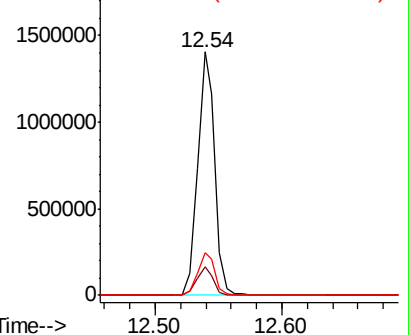
#75  
 Fluoranthene  
 Concen: 36.283 ng  
 RT: 12.54 min Scan# 1777  
 Delta R.T. -0.01 min  
 Lab File: BF114611.D  
 Acq: 25 May 2019 18:31

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB119943BSD

Tot Ion:202 Resp: 1327259  
 Ion Ratio Lower Upper  
 202 100  
 101 11.9 0.0 31.0  
 203 17.5 0.0 38.4

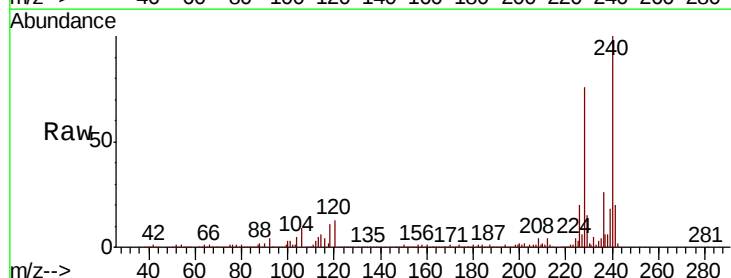


Abundance Ion 202.00 (201.70 to 202.70): E  
 Ion 101.00 (100.70 to 101.70): E  
 Ion 203.00 (202.70 to 203.70): E

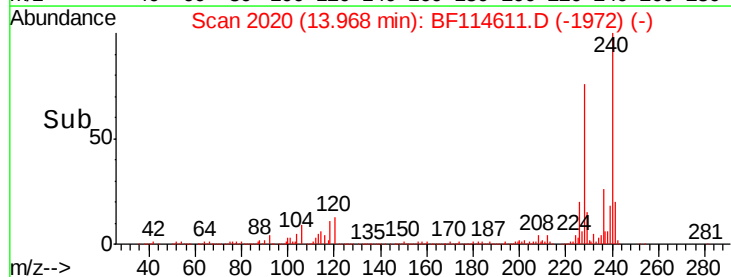
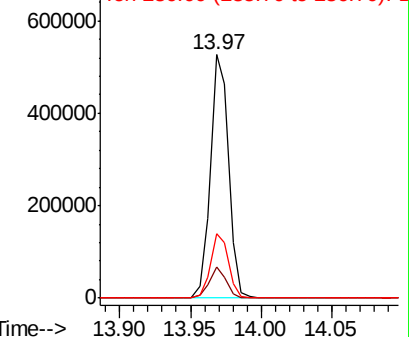


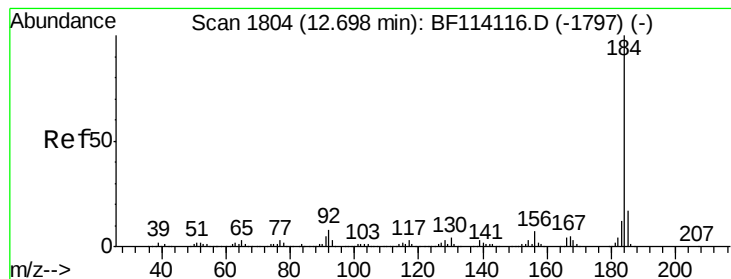
#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 13.97 min Scan# 2020  
 Delta R.T. -0.02 min  
 Lab File: BF114611.D  
 Acq: 25 May 2019 18:31

Tgt Ion:240 Resp: 469320  
 Ion Ratio Lower Upper  
 240 100  
 120 12.7 8.3 12.5#  
 236 26.3 20.8 31.2



Abundance Ion 240.00 (239.70 to 240.70): E  
 Ion 120.00 (119.70 to 120.70): E  
 Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 30.930 ng

RT: 12.66 min Scan# 1797

Delta R.T. -0.01 min

Lab File: BF114611.D

Acq: 25 May 2019 18:31

Instrument :

BNA\_F

ClientSampleId :

PB119943BSD

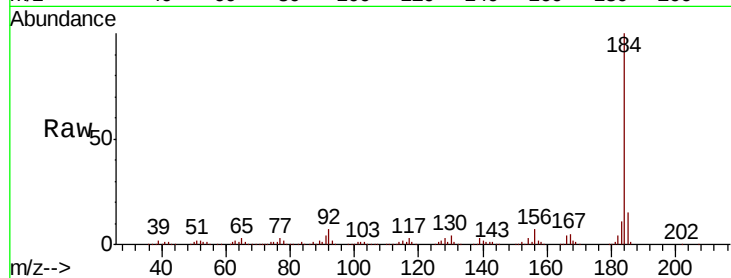
Tot Ion:184 Resp: 651605

Ion Ratio Lower Upper

184 100

185 14.7 13.6 20.4

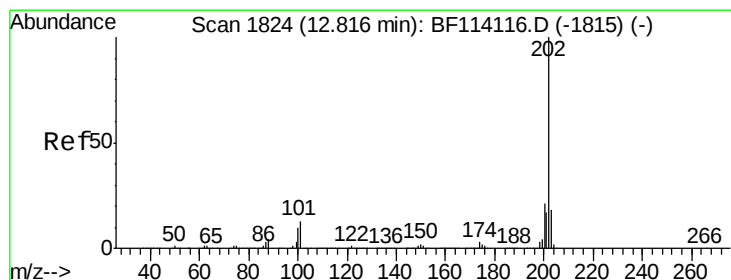
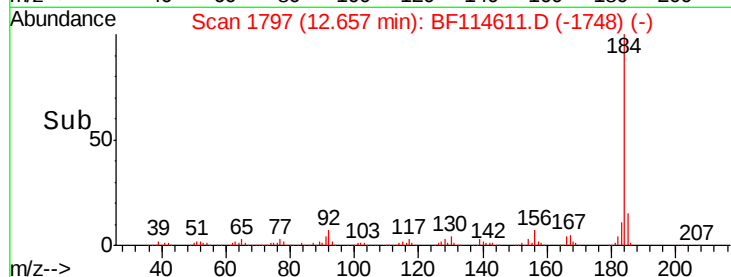
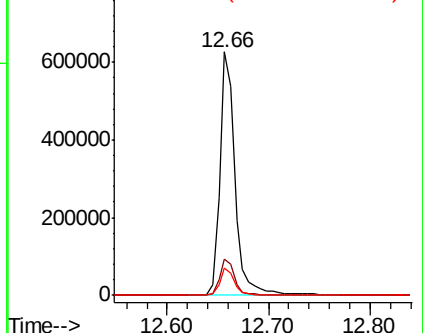
183 11.4 9.2 13.8



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: 35.203 ng

RT: 12.77 min Scan# 1816

Delta R.T. -0.01 min

Lab File: BF114611.D

Acq: 25 May 2019 18:31

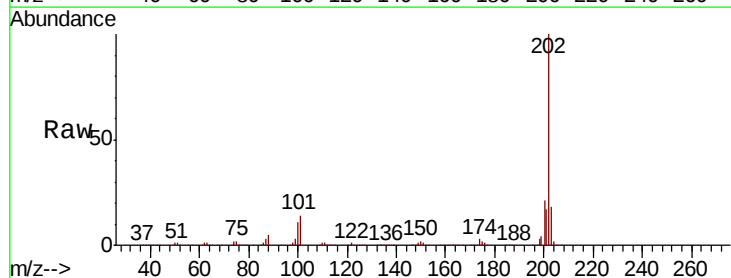
Tgt Ion:202 Resp: 1329080

Ion Ratio Lower Upper

202 100

200 21.0 16.9 25.3

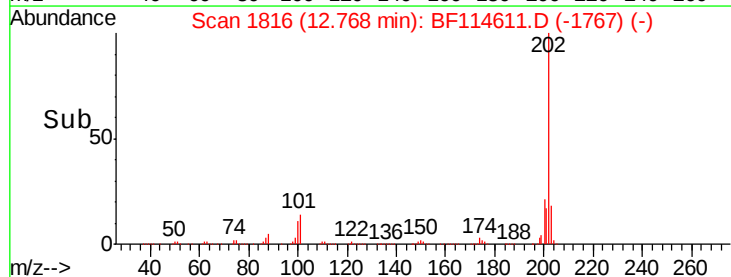
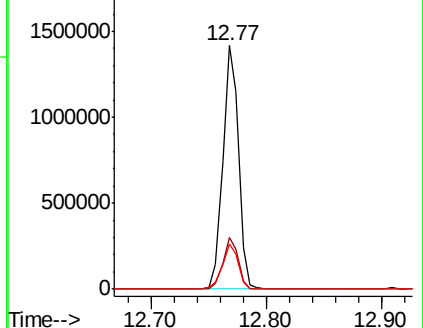
203 18.3 14.5 21.7



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



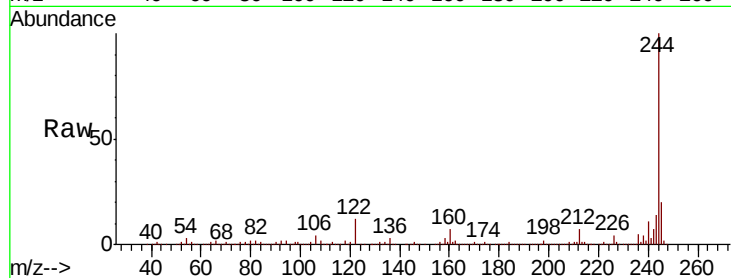


#79  
 Terphenyl-d14  
 Concen: 80.678 ng  
 RT: 12.91 min Scan# 1840  
 Delta R.T. -0.01 min  
 Lab File: BF114611.D  
 Acq: 25 May 2019 18:31

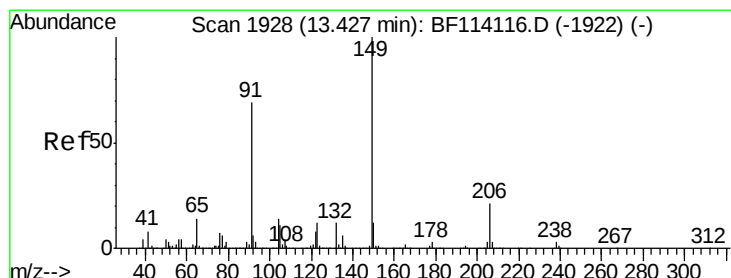
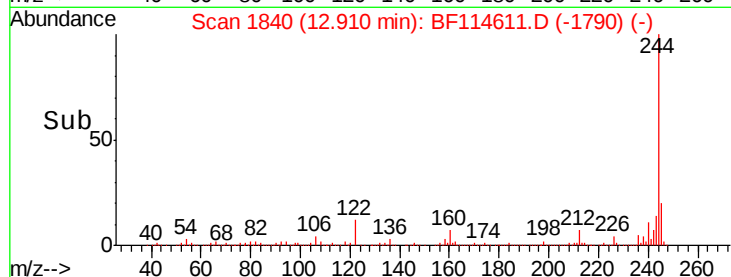
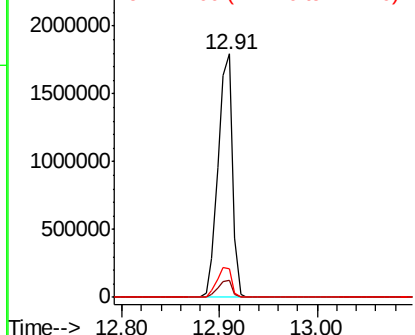
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB119943BSD

Tot Ion:244 Resp: 1836767  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 6.9   | 5.8   | 8.6   |
| 122 | 11.6  | 9.4   | 14.2  |



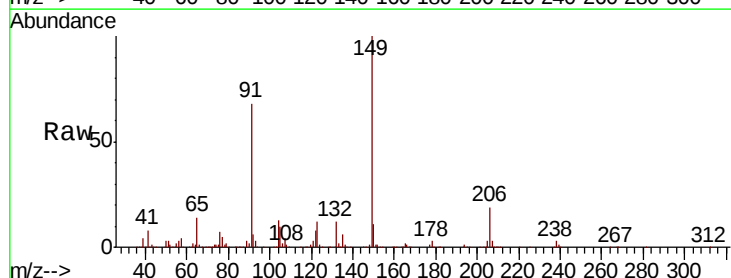
Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E



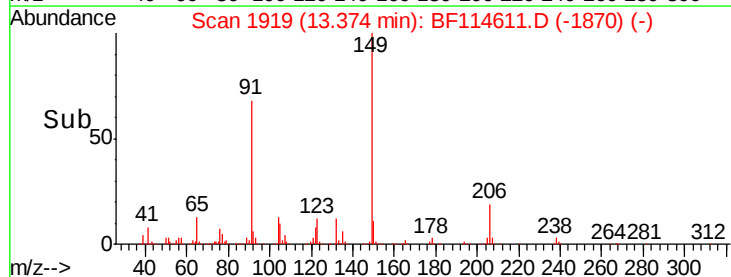
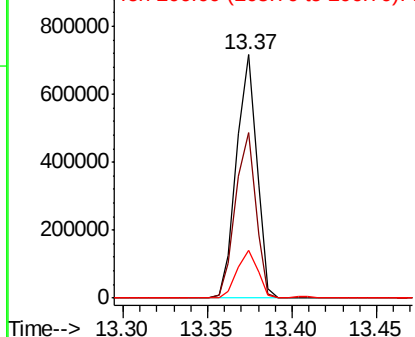
#80  
 Butylbenzylphthalate  
 Concen: 37.922 ng  
 RT: 13.37 min Scan# 1919  
 Delta R.T. -0.01 min  
 Lab File: BF114611.D  
 Acq: 25 May 2019 18:31

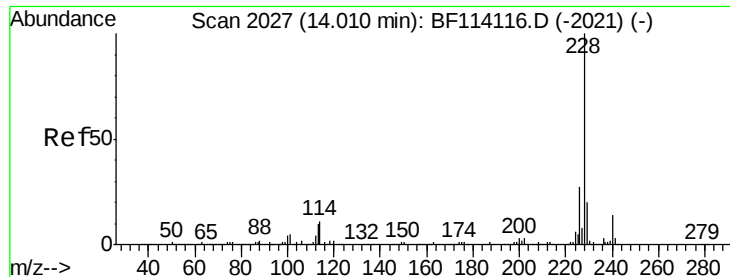
Tgt Ion:149 Resp: 602628  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 91  | 68.0  | 55.0  | 82.4  |
| 206 | 19.4  | 16.9  | 25.3  |



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

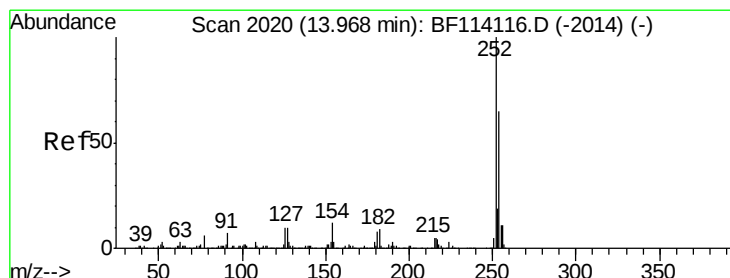
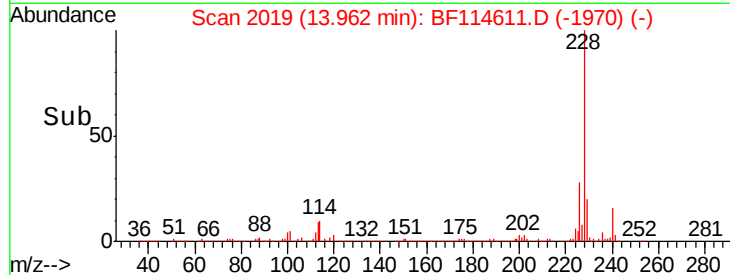
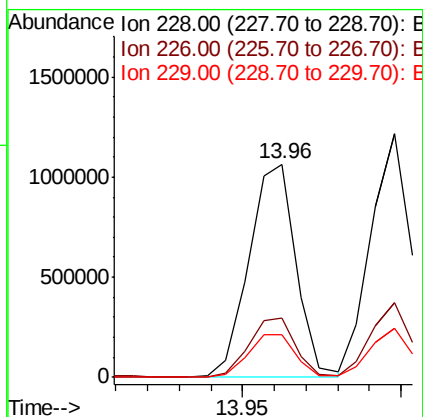
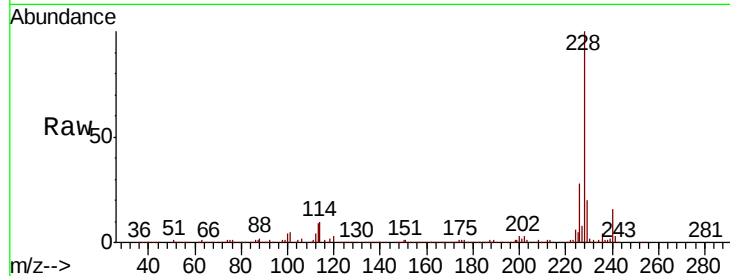




#81  
Benzo(a)anthracene  
Concen: 36.063 ng  
RT: 13.96 min Scan# 2019  
Delta R.T. -0.01 min  
Lab File: BF114611.D  
Acq: 25 May 2019 18:31

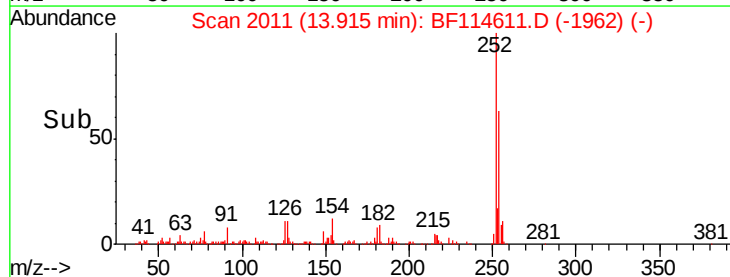
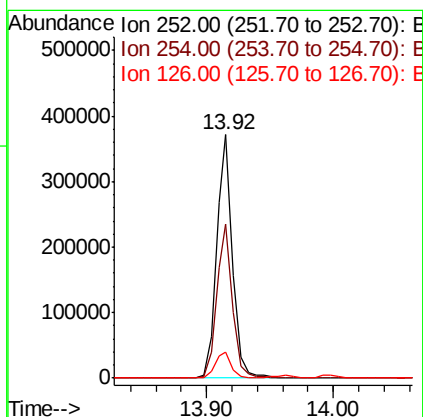
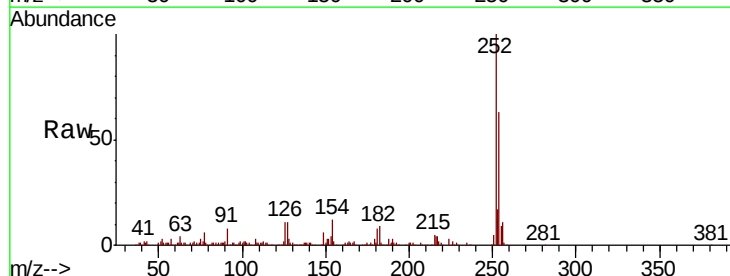
Instrument :  
BNA\_F  
ClientSampleId :  
PB119943BSD

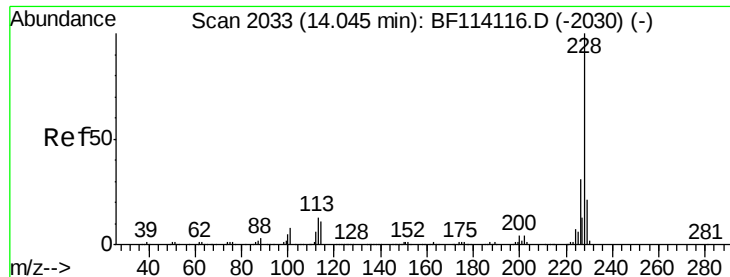
Tot Ion:228 Resp: 1094696  
Ion Ratio Lower Upper  
228 100  
226 27.6 22.2 33.2  
229 20.3 16.4 24.6



#82  
3,3'-Dichlorobenzidine  
Concen: 27.619 ng  
RT: 13.92 min Scan# 2011  
Delta R.T. -0.01 min  
Lab File: BF114611.D  
Acq: 25 May 2019 18:31

Tgt Ion:252 Resp: 325236  
Ion Ratio Lower Upper  
252 100  
254 63.1 51.9 77.9  
126 10.6 7.9 11.9





#83

Chrysene

Concen: 36.062 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BF114611.D

Acq: 25 May 2019 18:31

Instrument :

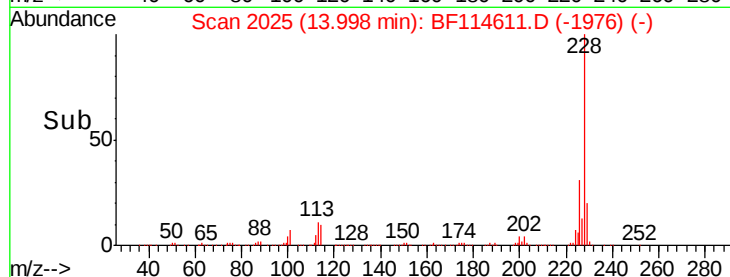
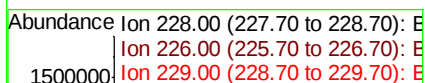
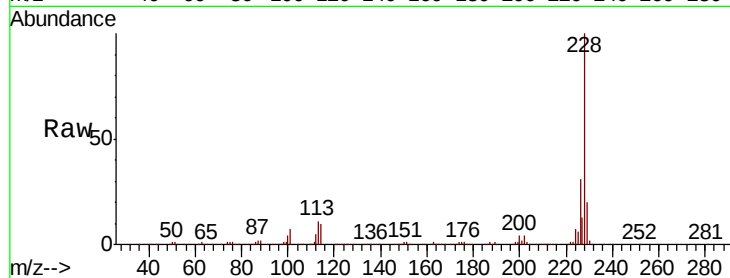
BNA\_F

ClientSampleId :

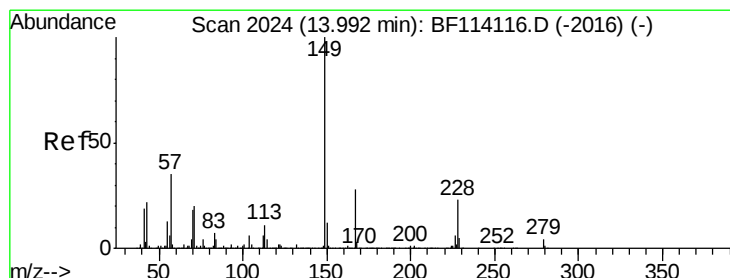
PB119943BSD

Tot Ion:228 Resp: 1073098

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 30.7  | 25.0  | 37.6  |
| 229 | 20.3  | 17.0  | 25.6  |



Time-->



#84

Bis(2-ethylhexyl)phthalate

Concen: 38.093 ng

RT: 13.93 min Scan# 2014

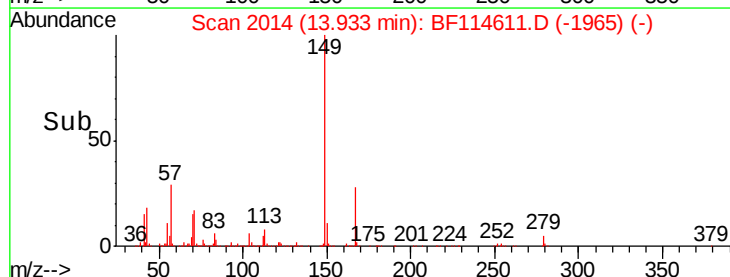
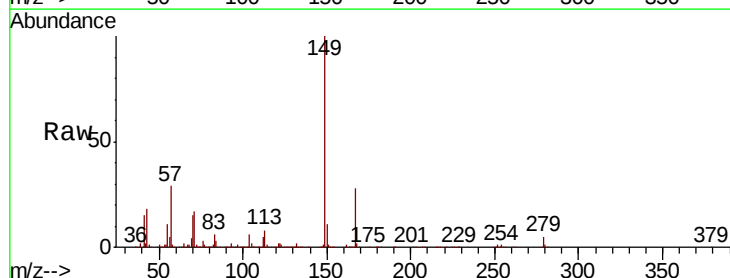
Delta R.T. -0.01 min

Lab File: BF114611.D

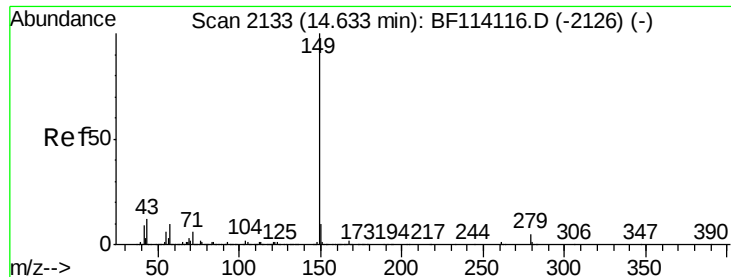
Acq: 25 May 2019 18:31

Tgt Ion:149 Resp: 791708

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 28.0  | 22.6  | 33.8  |
| 279 | 4.5   | 3.0   | 4.6   |



Time-->



#85

Di-n-octyl phthalate

Concen: 39.589 ng

RT: 14.54 min Scan# 2117

Delta R.T. -0.02 min

Lab File: BF114611.D

Acq: 25 May 2019 18:31

Instrument :

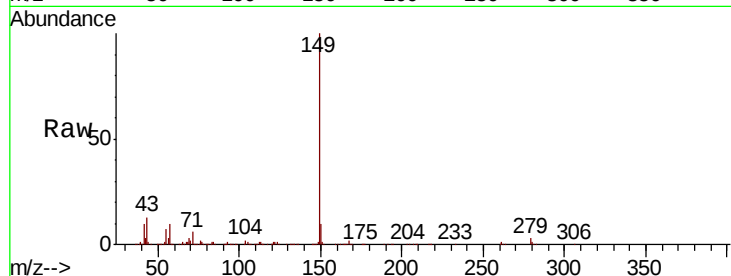
BNA\_F

ClientSampleId :

PB119943BSD

Tot Ion:149 Resp: 1333802

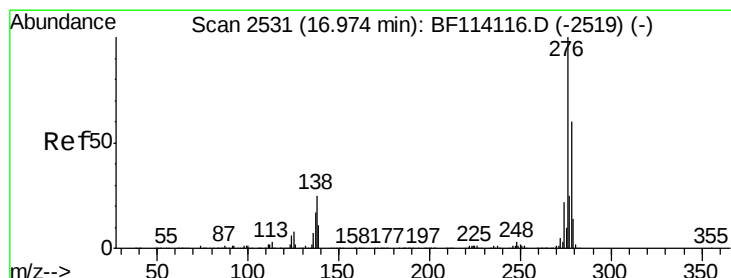
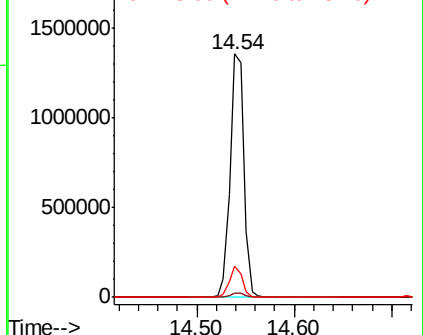
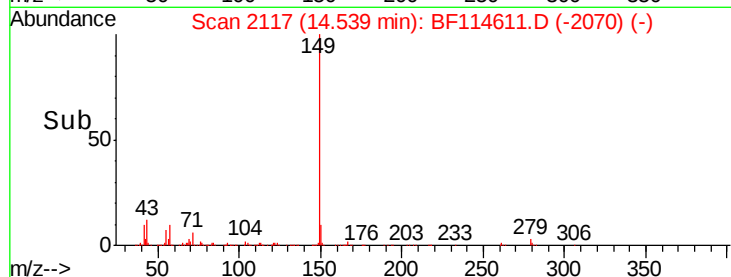
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 1.6   | 1.3   | 1.9   |
| 43  | 11.6  | 10.1  | 15.1  |



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: 39.917 ng

RT: 16.90 min Scan# 2518

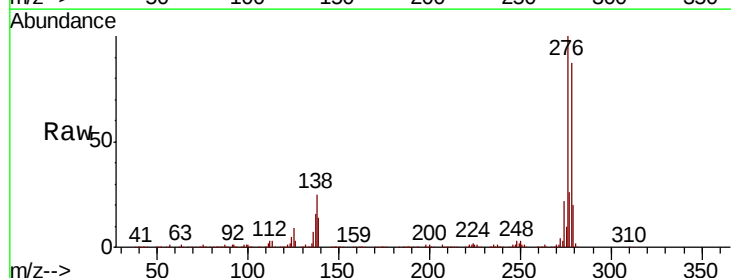
Delta R.T. -0.03 min

Lab File: BF114611.D

Acq: 25 May 2019 18:31

Tgt Ion:276 Resp: 1049758

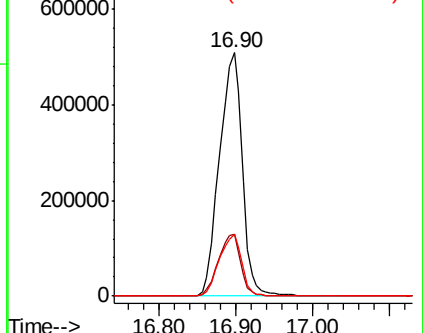
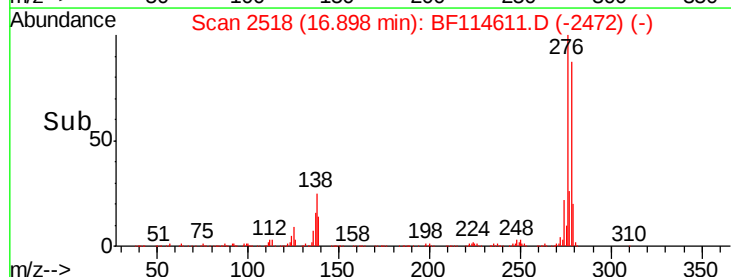
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 138 | 24.7  | 20.2  | 30.2  |
| 277 | 24.9  | 20.0  | 30.0  |

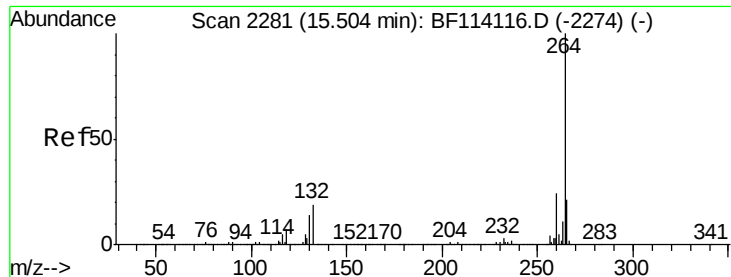


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



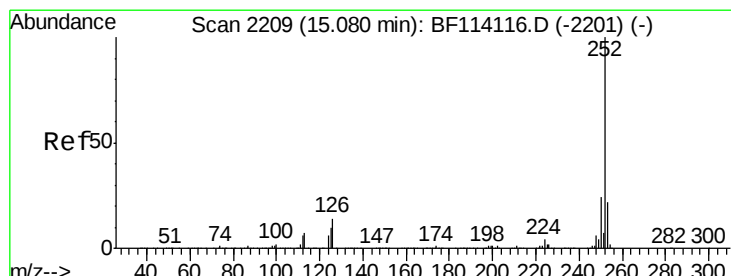
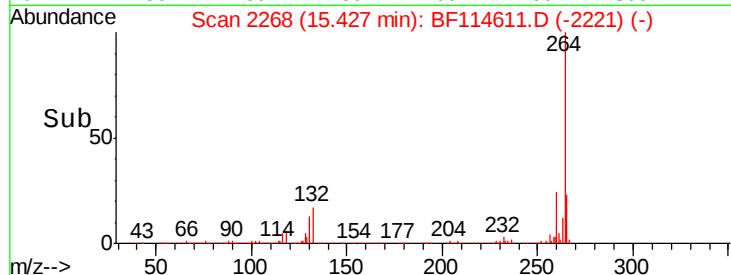
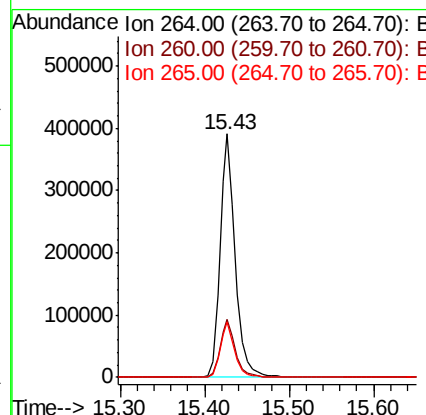
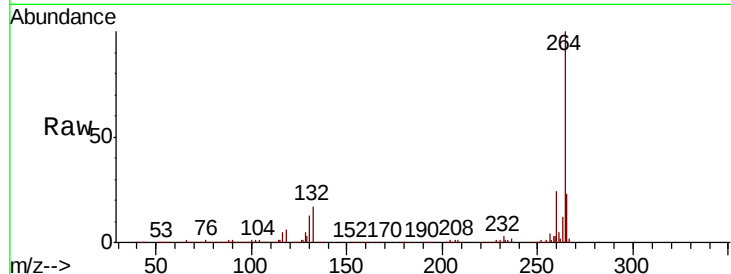


#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.43 min Scan# 2268  
Delta R.T. -0.02 min  
Lab File: BF114611.D  
Acq: 25 May 2019 18:31

Instrument :  
BNA\_F  
ClientSampleId :  
PB119943BSD

Tot Ion:264 Resp: 496637  

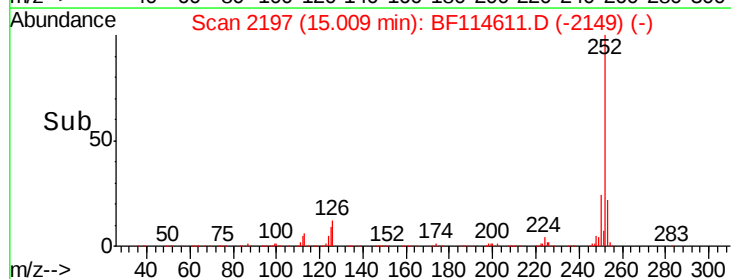
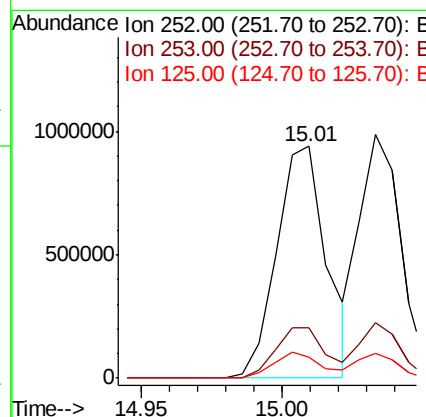
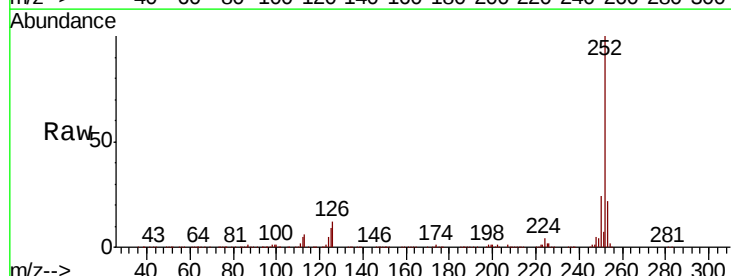
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.0  | 19.4  | 29.0  |
| 265 | 22.6  | 16.9  | 25.3  |

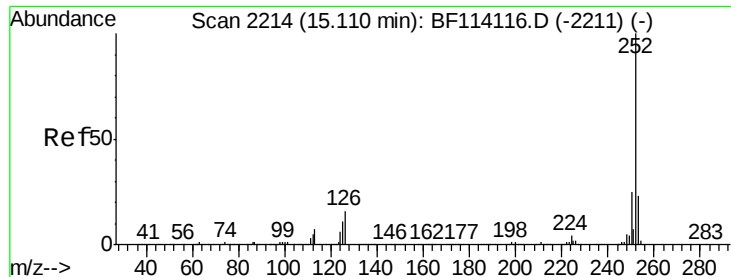


#88  
Benzo(b)fluoranthene  
Concen: 36.250 ng  
RT: 15.01 min Scan# 2197  
Delta R.T. -0.02 min  
Lab File: BF114611.D  
Acq: 25 May 2019 18:31

Tgt Ion:252 Resp: 1153378  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 21.8  | 17.8  | 26.8  |
| 125 | 8.9   | 8.3   | 12.5  |

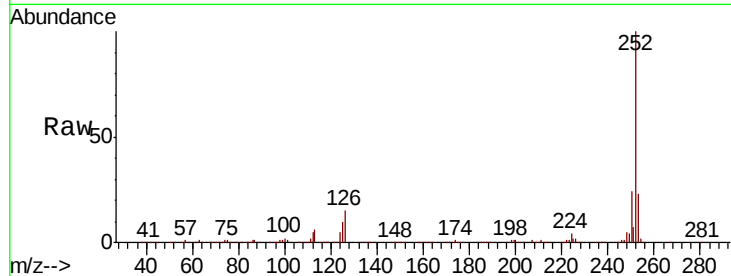




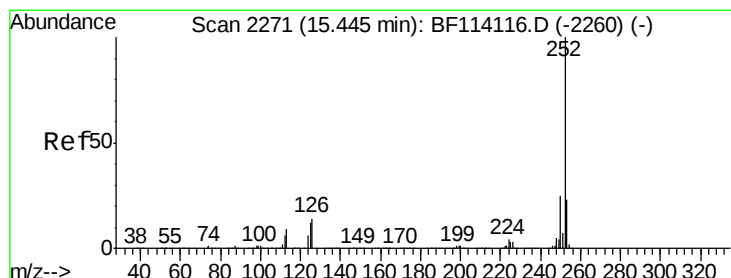
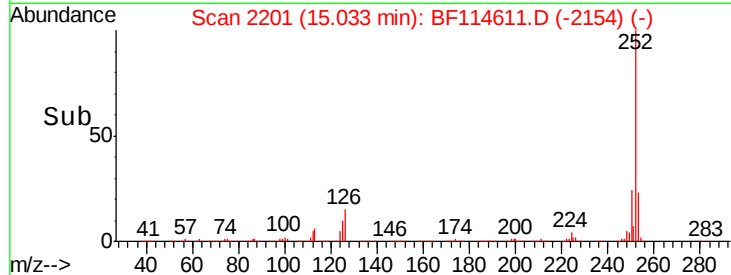
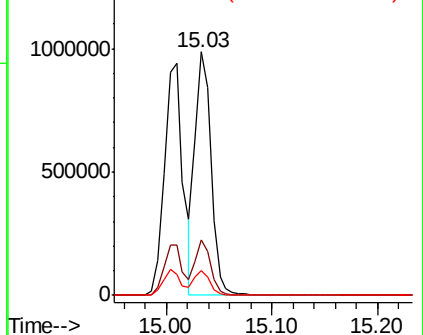
#89  
Benzo(k)fluoranthene  
Concen: 35.101 ng  
RT: 15.03 min Scan# 2201  
Delta R.T. -0.02 min  
Lab File: BF114611.D  
Acq: 25 May 2019 18:31

Instrument :  
BNA\_F  
ClientSampleId :  
PB119943BSD

Tot Ion:252 Resp: 1025901  
Ion Ratio Lower Upper  
252 100  
253 22.7 18.2 27.2  
125 10.3 8.6 13.0

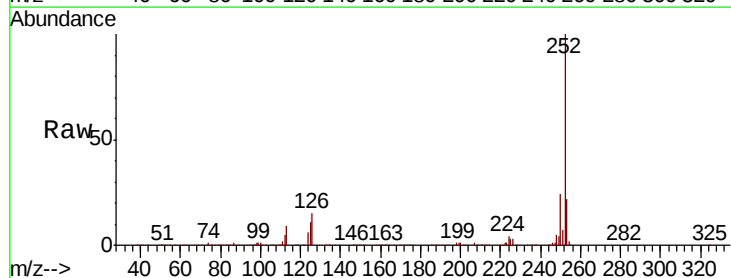


Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

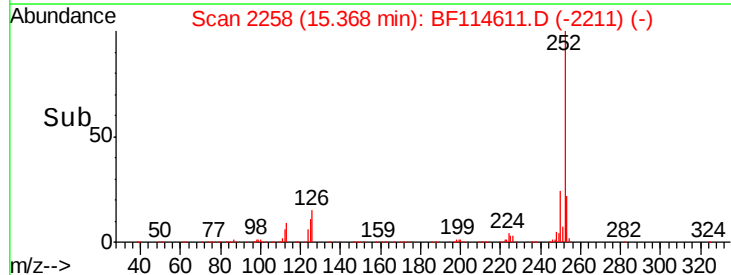
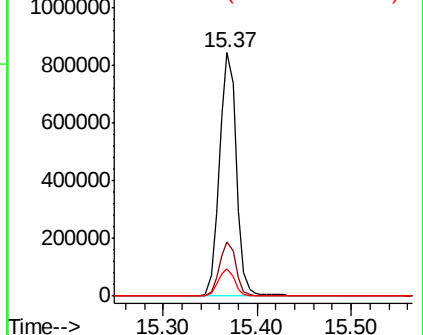


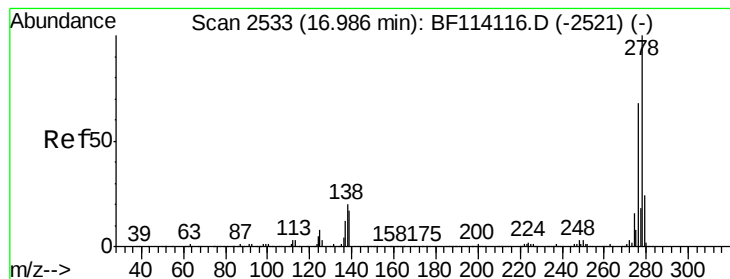
#90  
Benzo(a)pyrene  
Concen: 37.961 ng  
RT: 15.37 min Scan# 2258  
Delta R.T. -0.02 min  
Lab File: BF114611.D  
Acq: 25 May 2019 18:31

Tgt Ion:252 Resp: 1062980  
Ion Ratio Lower Upper  
252 100  
253 22.3 18.1 27.1  
125 11.5 9.5 14.3



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





#91

Dibenzo(a,h)anthracene

Concen: 37.584 ng

RT: 16.89 min Scan# 2517

Delta R.T. -0.04 min

Lab File: BF114611.D

Acq: 25 May 2019 18:31

Instrument :

BNA\_F

ClientSampleId :

PB119943BSD

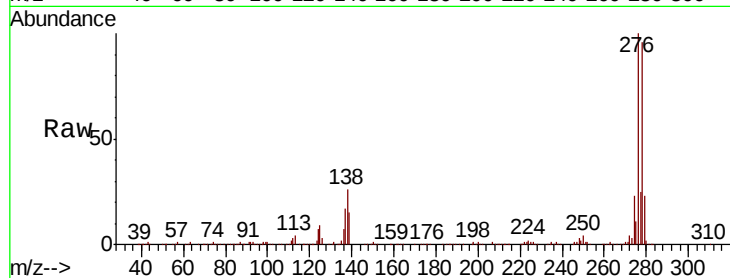
Tot Ion:278 Resp: 874522

Ion Ratio Lower Upper

278 100

139 16.0 13.5 20.3

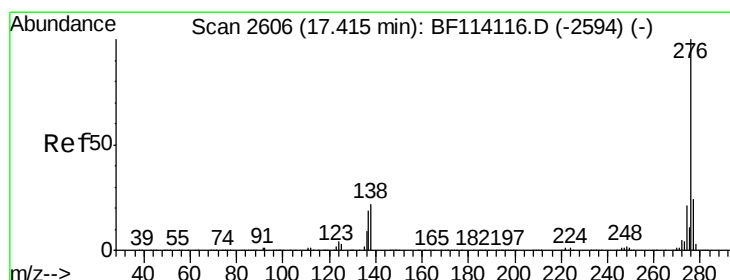
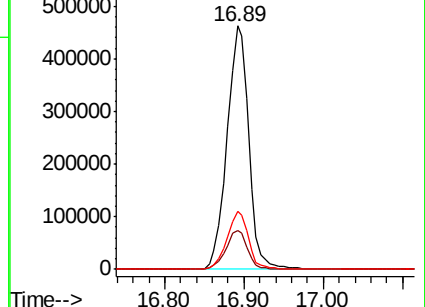
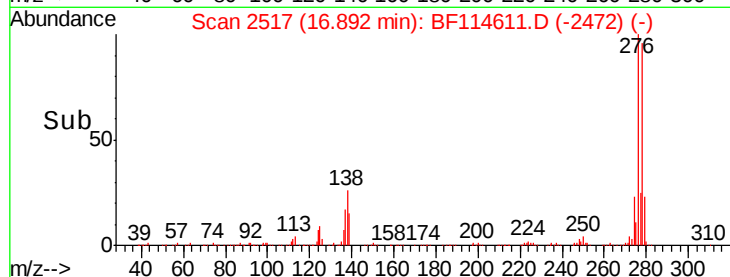
279 23.9 19.0 28.6



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 38.205 ng

RT: 17.33 min Scan# 2592

Delta R.T. -0.04 min

Lab File: BF114611.D

Acq: 25 May 2019 18:31

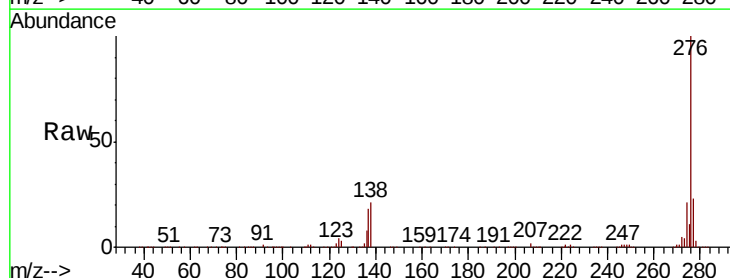
Tgt Ion:276 Resp: 890868

Ion Ratio Lower Upper

276 100

277 23.2 19.0 28.4

138 20.6 17.8 26.6



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

