

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022820\  
 Data File : BF119146.D  
 Acq On : 28 Feb 2020 22:49  
 Operator : CG/JU  
 Sample : L1363-10MS  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HR-05-022620MS

Quant Time: Mar 02 03:29:27 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Feb 26 16:03:05 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.73  | 152  | 132669   | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8        | 8.02  | 136  | 521917   | 20.00 | ng    | -0.02    |
| 39) Acenaphthene-d10      | 9.77  | 164  | 295504   | 20.00 | ng    | -0.02    |
| 64) Phenanthrene-d10      | 11.25 | 188  | 544869   | 20.00 | ng    | -0.01    |
| 76) Chrysene-d12          | 13.89 | 240  | 331633   | 20.00 | ng    | -0.02    |
| 87) Perylene-d12          | 15.31 | 264  | 361776   | 20.00 | ng    | -0.01    |

|                             |       |     |         |        |    |       |
|-----------------------------|-------|-----|---------|--------|----|-------|
| System Monitoring Compounds |       |     |         |        |    |       |
| 5) 2-Fluorophenol           | 5.37  | 112 | 966704  | 121.77 | ng | 0.00  |
| 7) Phenol-d6                | 6.39  | 99  | 1101020 | 114.04 | ng | -0.02 |
| 23) Nitrobenzene-d5         | 7.30  | 82  | 848418  | 85.83  | ng | -0.02 |
| 42) 2,4,6-Tribromophenol    | 10.56 | 330 | 484584  | 125.36 | ng | -0.01 |
| 45) 2-Fluorobiphenyl        | 9.09  | 172 | 1661660 | 82.84  | ng | -0.02 |
| 79) Terphenyl-d14           | 12.83 | 244 | 2000782 | 103.87 | ng | -0.02 |

|                                |      |     |         |        |        |      |
|--------------------------------|------|-----|---------|--------|--------|------|
| Target Compounds               |      |     |         |        | Qvalue |      |
| 2) 1,4-Dioxane                 | 2.57 | 88  | 131618  | 37.238 | ng     | # 86 |
| 3) Pyridine                    | 3.28 | 79  | 284082  | 29.430 | ng     | 97   |
| 4) n-Nitrosodimethylamine      | 3.19 | 42  | 137145  | 46.900 | ng     | 94   |
| 6) Aniline                     | 6.40 | 93  | 123820  | 10.393 | ng     | # 15 |
| 8) 2-Chlorophenol              | 6.53 | 128 | 421580  | 49.208 | ng     | 99   |
| 9) Benzaldehyde                | 6.29 | 77  | 137552  | 21.324 | ng     | 99   |
| 10) Phenol                     | 6.40 | 94  | 422678  | 40.492 | ng     | 83   |
| 11) bis(2-Chloroethyl)ether    | 6.47 | 93  | 380161  | 47.597 | ng     | 98   |
| 12) 1,3-Dichlorobenzene        | 6.67 | 146 | 409820  | 39.911 | ng     | 98   |
| 13) 1,4-Dichlorobenzene        | 6.75 | 146 | 423477  | 41.212 | ng     | 99   |
| 14) 1,2-Dichlorobenzene        | 6.90 | 146 | 394286  | 42.074 | ng     | 99   |
| 15) Benzyl Alcohol             | 6.89 | 79  | 360044  | 51.598 | ng     | 100  |
| 16) 2,2'-oxybis(1-Chloropropan | 7.02 | 45  | 285882  | 41.320 | ng     | 87   |
| 17) 2-Methylphenol             | 7.00 | 107 | 333203  | 47.970 | ng     | 99   |
| 18) Hexachloroethane           | 7.25 | 117 | 146326  | 39.803 | ng     | 97   |
| 19) n-Nitroso-di-n-propylamine | 7.16 | 70  | 276603  | 49.166 | ng     | 96   |
| 20) 3+4-Methylphenols          | 7.16 | 107 | 425095  | 49.954 | ng     | 93   |
| 22) Acetophenone               | 7.15 | 105 | 579102  | 47.956 | ng     | 95   |
| 24) Nitrobenzene               | 7.32 | 77  | 436144  | 44.618 | ng     | 100  |
| 25) Isophorone                 | 7.56 | 82  | 777953  | 45.317 | ng     | 99   |
| 26) 2-Nitrophenol              | 7.64 | 139 | 234798  | 45.334 | ng     | 97   |
| 27) 2,4-Dimethylphenol         | 7.68 | 122 | 360043  | 51.221 | ng     | 98   |
| 28) bis(2-Chloroethoxy)methane | 7.77 | 93  | 463322  | 41.465 | ng     | 99   |
| 29) 2,4-Dichlorophenol         | 7.89 | 162 | 374533  | 45.260 | ng     | 98   |
| 30) 1,2,4-Trichlorobenzene     | 7.96 | 180 | 393626  | 40.120 | ng     | 97   |
| 31) Naphthalene                | 8.04 | 128 | 1195081 | 44.152 | ng     | 98   |
| 32) Benzoic acid               | 7.83 | 122 | 231001  | 45.450 | ng     | 98   |
| 33) 4-Chloroaniline            | 8.10 | 127 | 83905   | 7.207  | ng     | 97   |
| 34) Hexachlorobutadiene        | 8.16 | 225 | 223833  | 36.625 | ng     | 98   |
| 35) Caprolactam                | 8.47 | 113 | 103699m | 40.698 | ng     |      |
| 36) 4-Chloro-3-methylphenol    | 8.59 | 107 | 407030  | 48.602 | ng     | 97   |
| 37) 2-Methylnaphthalene        | 8.73 | 142 | 835085  | 45.845 | ng     | 99   |
| 38) 1-Methylnaphthalene        | 8.83 | 142 | 792992  | 46.290 | ng     | 98   |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.90 | 216 | 411676  | 41.320 | ng     | 99   |

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 QLast Update : Wed Feb 26 16:03:05 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 8.89  | 237  | 154299   | 46.945 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol      | 9.02  | 196  | 275667   | 43.815 | ng    | 99       |
| 44) 2,4,5-Trichlorophenol      | 9.06  | 196  | 295090   | 44.696 | ng    | 97       |
| 46) 1,1'-Biphenyl              | 9.19  | 154  | 1018000  | 42.625 | ng    | 98       |
| 47) 2-Chloronaphthalene        | 9.22  | 162  | 813105   | 42.248 | ng    | 97       |
| 48) 2-Nitroaniline             | 9.32  | 65   | 243686   | 45.396 | ng    | 97       |
| 49) Acenaphthylene             | 9.63  | 152  | 1264197  | 45.480 | ng    | 99       |
| 50) Dimethylphthalate          | 9.50  | 163  | 997132   | 44.128 | ng    | 99       |
| 51) 2,6-Dinitrotoluene         | 9.56  | 165  | 228576   | 45.530 | ng    | 93       |
| 52) Acenaphthene               | 9.80  | 154  | 750336   | 44.767 | ng    | 98       |
| 53) 3-Nitroaniline             | 9.73  | 138  | 102972   | 18.501 | ng    | 95       |
| 54) 2,4-Dinitrophenol          | 9.85  | 184  | 188974   | 77.687 | ng    | 96       |
| 55) Dibenzofuran               | 9.97  | 168  | 1123936  | 44.926 | ng    | 100      |
| 56) 4-Nitrophenol              | 9.92  | 139  | 269825   | 80.691 | ng    | 96       |
| 57) 2,4-Dinitrotoluene         | 9.97  | 165  | 295758   | 45.451 | ng    | 98       |
| 58) Fluorene                   | 10.32 | 166  | 905478   | 46.578 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 10.10 | 232  | 252989   | 45.412 | ng    | 99       |
| 60) Diethylphthalate           | 10.20 | 149  | 939508   | 44.120 | ng    | 99       |
| 61) 4-Chlorophenyl-phenylether | 10.31 | 204  | 457386   | 44.450 | ng    | 95       |
| 62) 4-Nitroaniline             | 10.35 | 138  | 220425   | 38.710 | ng    | 100      |
| 63) Azobenzene                 | 10.47 | 77   | 852034   | 46.032 | ng    | 97       |
| 65) 4,6-Dinitro-2-methylphenol | 10.39 | 198  | 151031   | 45.808 | ng    | 93       |
| 66) n-Nitrosodiphenylamine     | 10.43 | 169  | 814193   | 45.636 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether  | 10.80 | 248  | 304951   | 42.817 | ng    | 93       |
| 68) Hexachlorobenzene          | 10.87 | 284  | 350146   | 42.641 | ng    | 95       |
| 69) Atrazine                   | 10.96 | 200  | 284985   | 45.719 | ng    | 98       |
| 70) Pentachlorophenol          | 11.07 | 266  | 310670   | 93.921 | ng    | 98       |
| 71) Phenanthrene               | 11.28 | 178  | 1361983  | 45.836 | ng    | 98       |
| 72) Anthracene                 | 11.33 | 178  | 1397231  | 47.061 | ng    | 99       |
| 73) Carbazole                  | 11.49 | 167  | 1233278  | 46.627 | ng    | 99       |
| 74) Di-n-butylphthalate        | 11.82 | 149  | 1415368  | 44.187 | ng    | 98       |
| 75) Fluoranthene               | 12.46 | 202  | 1372118  | 43.503 | ng    | 99       |
| 77) Benzidine                  | 12.59 | 184  | 21564    | 1.599  | ng    | 96       |
| 78) Pyrene                     | 12.69 | 202  | 1343148  | 50.438 | ng    | 99       |
| 80) Butylbenzylphthalate       | 13.30 | 149  | 549281   | 49.009 | ng    | 98       |
| 81) Benzo(a)anthracene         | 13.88 | 228  | 1043931  | 46.199 | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine     | 13.83 | 252  | 228024   | 25.988 | ng    | 99       |
| 83) Chrysene                   | 13.92 | 228  | 999833   | 44.407 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 13.86 | 149  | 713556   | 50.395 | ng    | 99       |
| 85) Di-n-octyl phthalate       | 14.47 | 149  | 1082932  | 48.002 | ng    | 99       |
| 86) Indeno(1,2,3-cd)pyrene     | 16.72 | 276  | 1129505  | 51.810 | ng    | 100      |
| 88) Benzo(b)fluoranthene       | 14.90 | 252  | 1106831  | 46.415 | ng    | 99       |
| 89) Benzo(k)fluoranthene       | 14.93 | 252  | 911487   | 41.246 | ng    | 99       |
| 90) Benzo(a)pyrene             | 15.25 | 252  | 942002   | 43.770 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene     | 16.72 | 278  | 954378   | 50.398 | ng    | 99       |
| 92) Benzo(g,h,i)perylene       | 17.13 | 276  | 927351   | 49.563 | ng    | 99       |

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



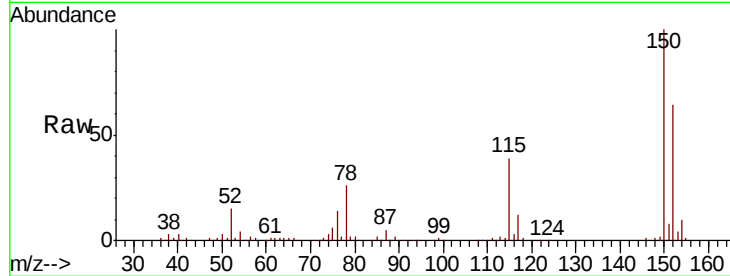


#1

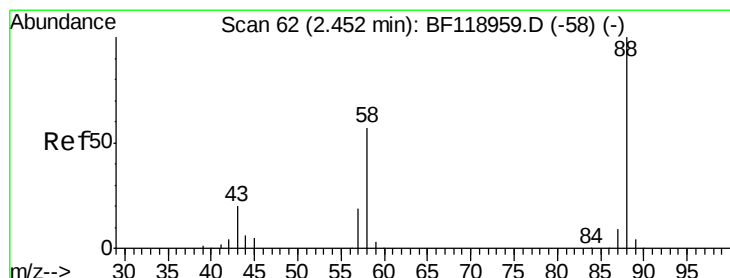
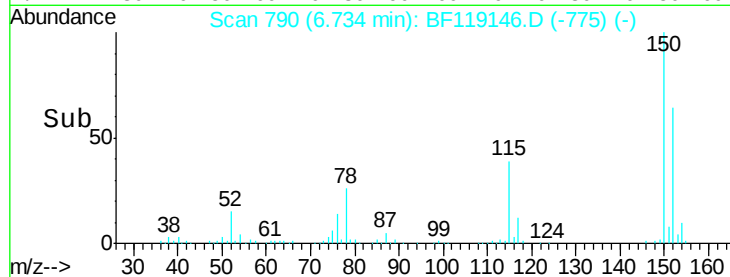
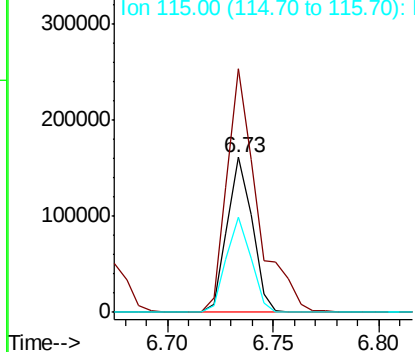
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.73 min Scan# 790  
Delta R.T. -0.01 min  
Lab File: BF119146.D  
Acq: 28 Feb 2020 22:49

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Tot Ion:152 Resp: 132669  
Ion Ratio Lower Upper  
152 100  
150 156.9 123.0 184.6  
115 60.9 49.5 74.3



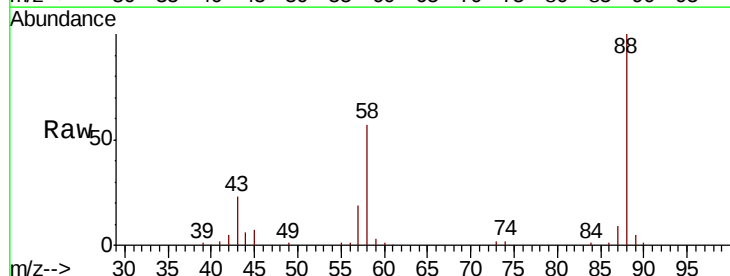
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



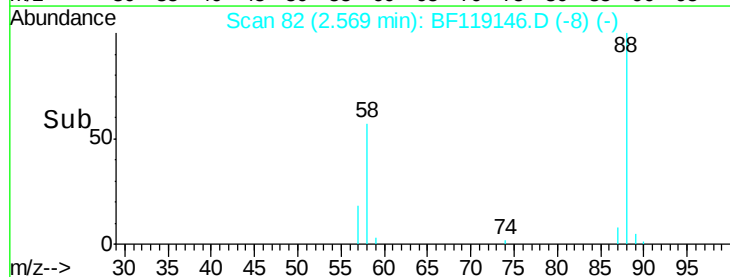
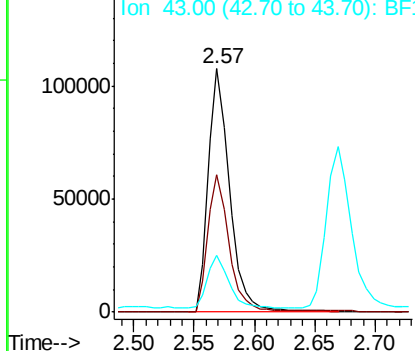
#2

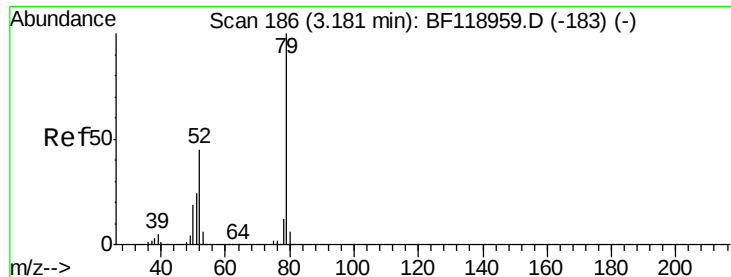
1,4-Dioxane  
Concen: 37.238 ng  
RT: 2.57 min Scan# 82  
Delta R.T. 0.14 min  
Lab File: BF119146.D  
Acq: 28 Feb 2020 22:49

Tgt Ion: 88 Resp: 131618  
Ion Ratio Lower Upper  
88 100  
58 56.9 43.8 65.6  
43 0.0 16.2 24.4#



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: 29.430 ng

RT: 3.28 min Scan# 203

Delta R.T. 0.12 min

Lab File: BF119146.D

Acq: 28 Feb 2020 22:49

Instrument :

BNA\_F

ClientSampleId :

HR-05-022620MS

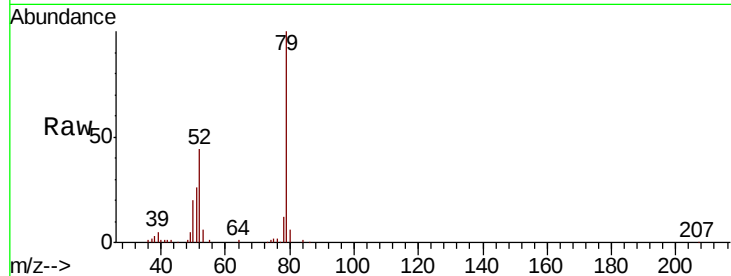
Tot Ion: 79 Resp: 284082

Ion Ratio Lower Upper

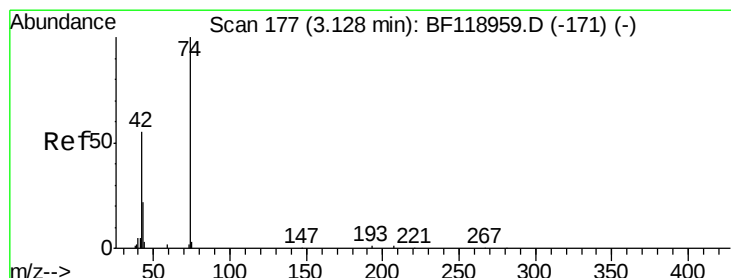
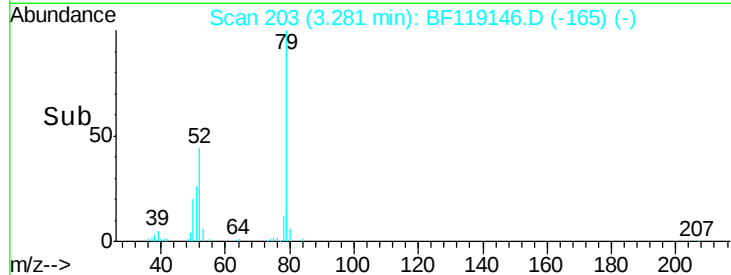
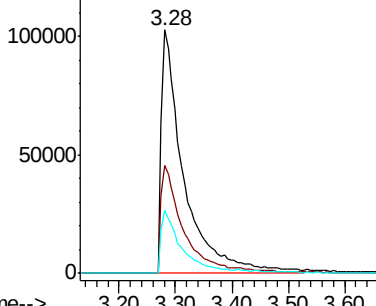
79 100

52 44.1 37.4 56.0

51 25.8 19.8 29.6



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: 46.900 ng

RT: 3.19 min Scan# 187

Delta R.T. 0.06 min

Lab File: BF119146.D

Acq: 28 Feb 2020 22:49

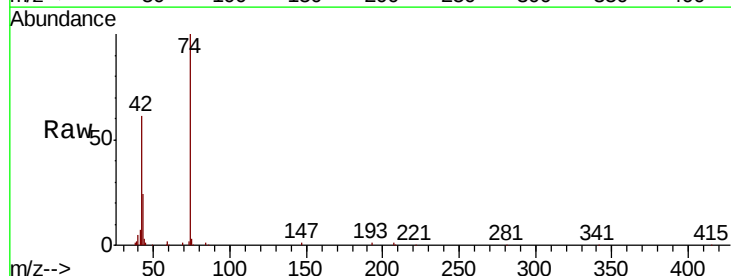
Tgt Ion: 42 Resp: 137145

Ion Ratio Lower Upper

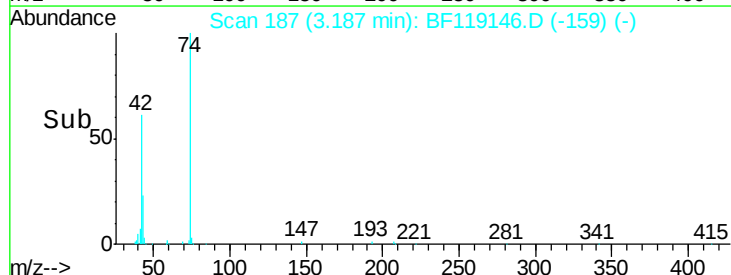
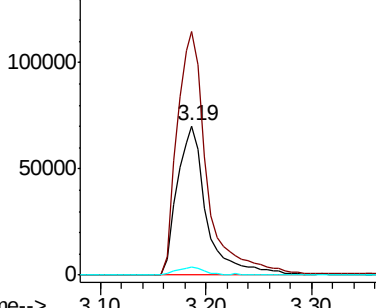
42 100

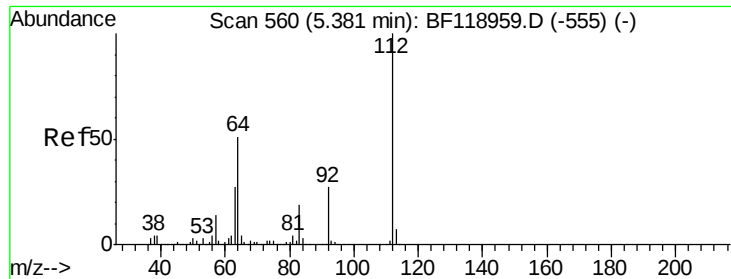
74 163.2 137.7 206.5

44 5.2 4.5 6.7



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: 121.772 ng

RT: 5.37 min Scan# 559

Delta R.T. 0.01 min

Lab File: BF119146.D

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Instrument :

BNA\_F

ClientSampleId :

HR-05-022620MS

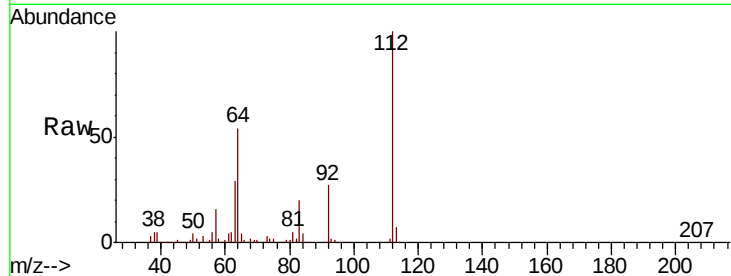
Tot Ion:112 Resp: 966704

Ion Ratio Lower Upper

112 100

64 53.8 45.0 67.4

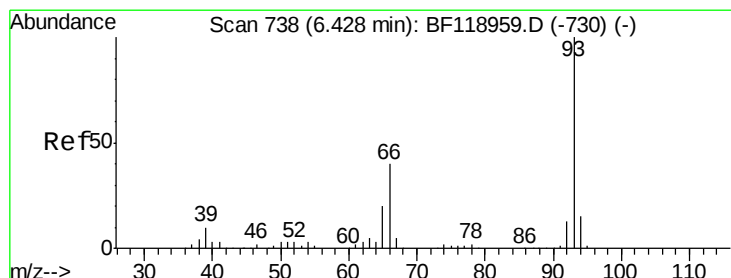
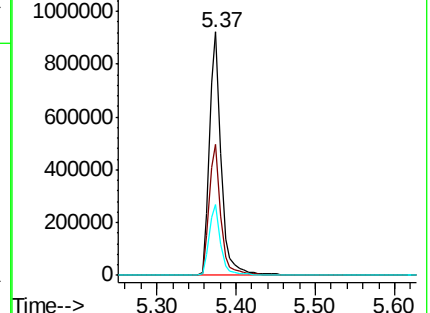
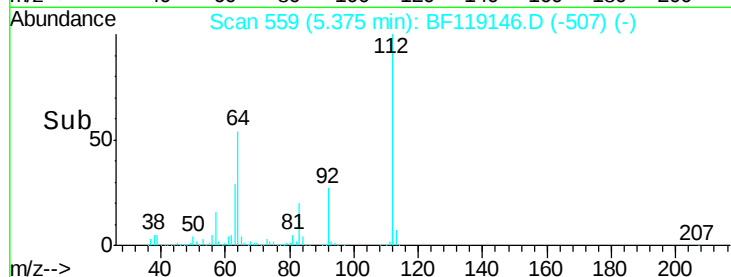
63 29.2 24.2 36.4



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 10.393 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF119146.D

Acq: 28 Feb 2020 22:49

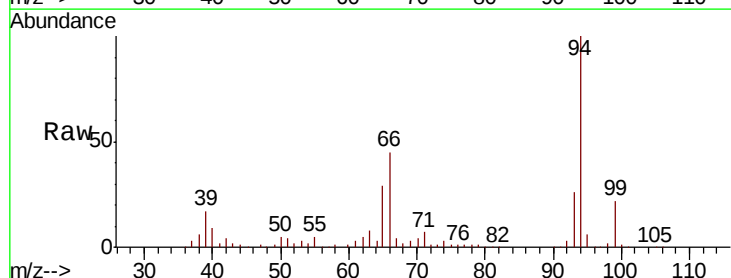
Tgt Ion: 93 Resp: 123820

Ion Ratio Lower Upper

93 100

66 177.9 74.5 111.7#

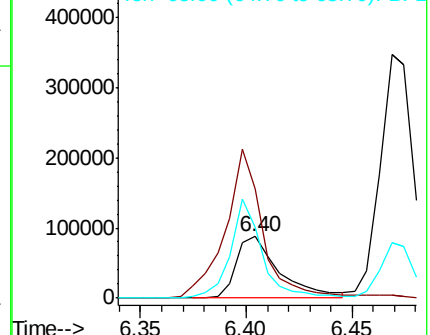
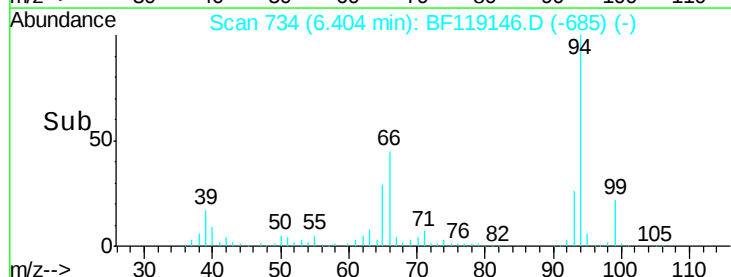
65 115.0 45.3 67.9#

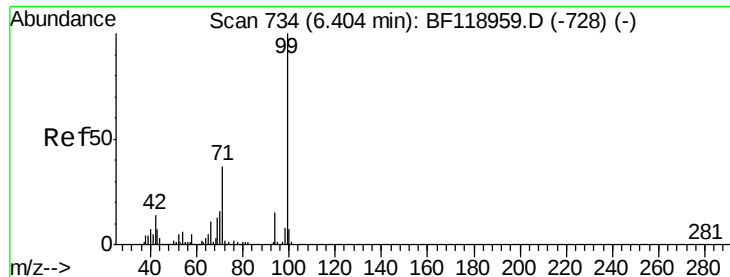


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 114.038 ng

RT: 6.39 min Scan# 731

Delta R.T. -0.02 min

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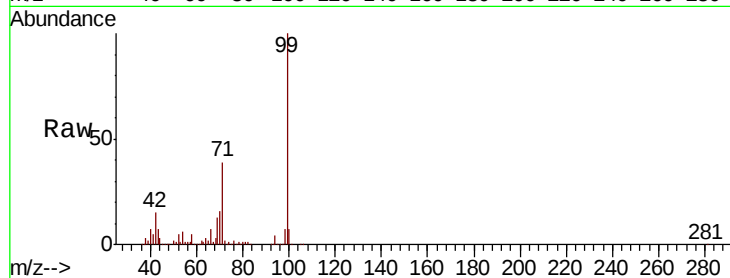
Tot Ion: 99 Resp: 1101020

Ion Ratio Lower Upper

99 100

42 15.2 12.6 18.8

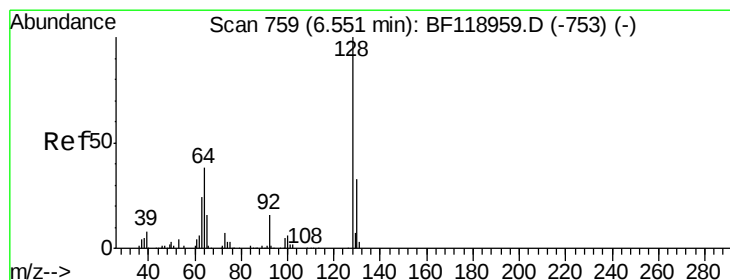
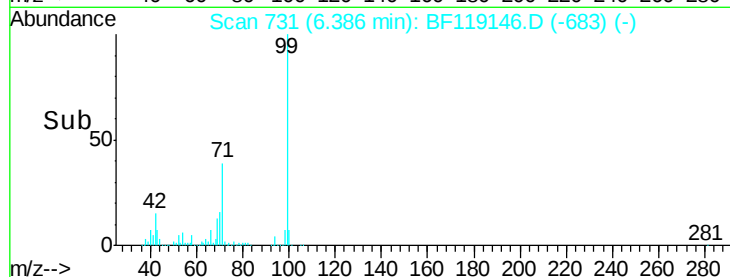
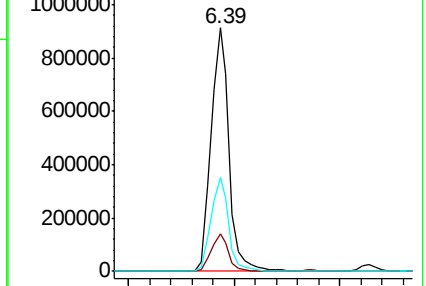
71 38.7 31.0 46.4



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: 49.208 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.01 min

Lab File: BF119146.D

Acq: 28 Feb 2020 22:49

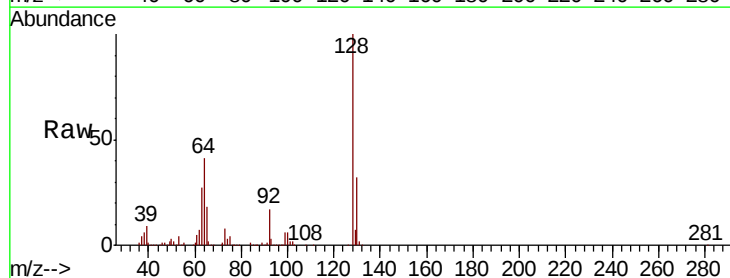
Tgt Ion:128 Resp: 421580

Ion Ratio Lower Upper

128 100

130 32.5 12.7 52.7

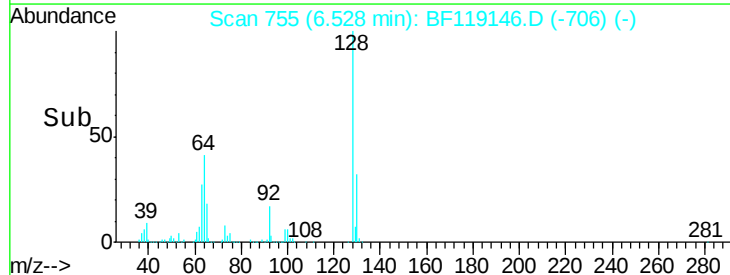
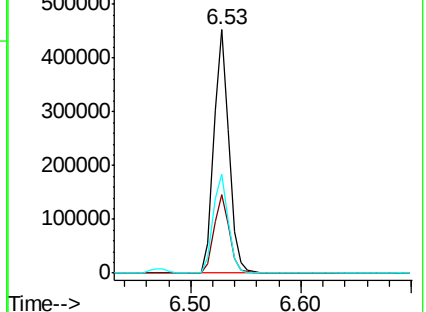
64 40.9 22.3 62.3

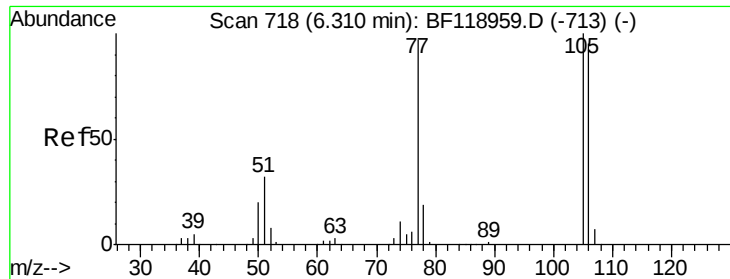


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 21.324 ng

RT: 6.29 min Scan# 714

Delta R.T. -0.01 min

Lab File: BF119146.D

Acq: 28 Feb 2020 22:49

Instrument :

BNA\_F

ClientSampleId :

HR-05-022620MS

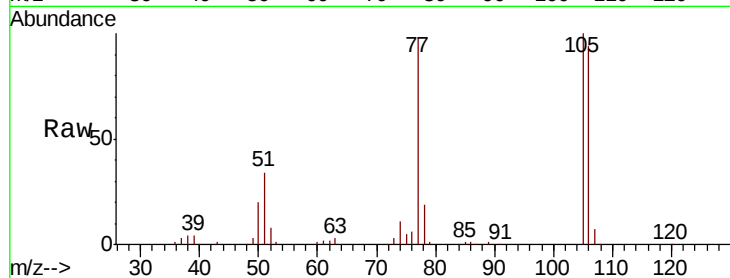
Tot Ion: 77 Resp: 137552

Ion Ratio Lower Upper

77 100

105 102.4 80.1 120.1

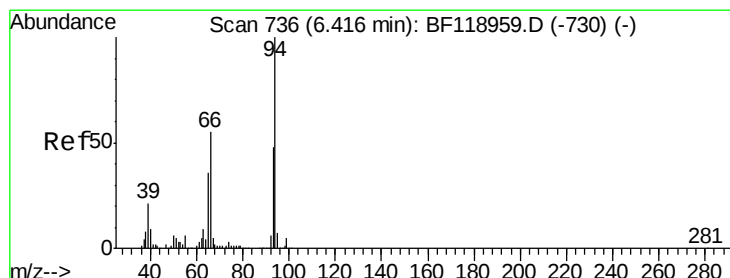
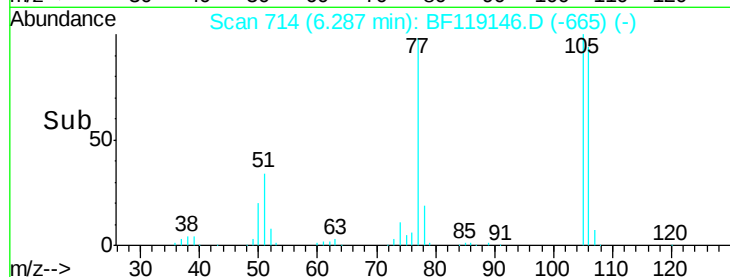
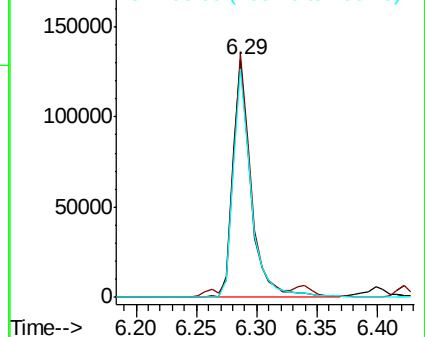
106 95.8 75.9 115.9



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 40.492 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.02 min

Lab File: BF119146.D

Acq: 28 Feb 2020 22:49

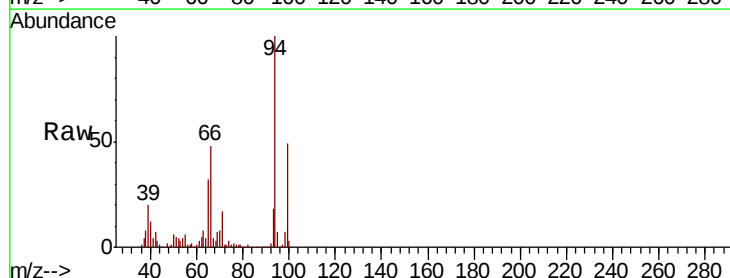
Tgt Ion: 94 Resp: 422678

Ion Ratio Lower Upper

94 100

65 32.0 19.2 59.2

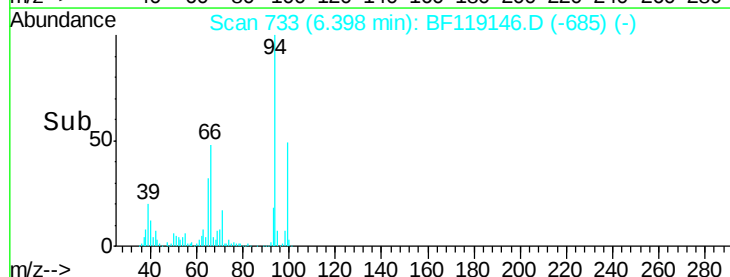
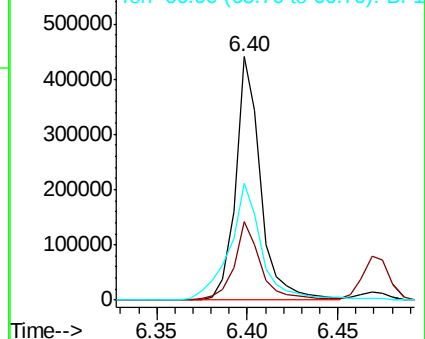
66 48.1 44.4 84.4

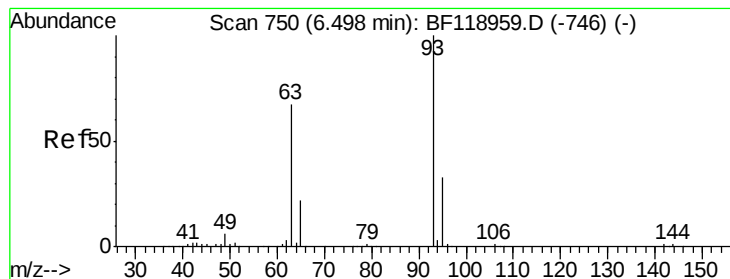


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#11

bis(2-Chloroethyl)ether

Concen: 47.597 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.02 min

Lab File: BF119146.D

Acq: 28 Feb 2020 22:49

Instrument :

BNA\_F

ClientSampleId :

HR-05-022620MS

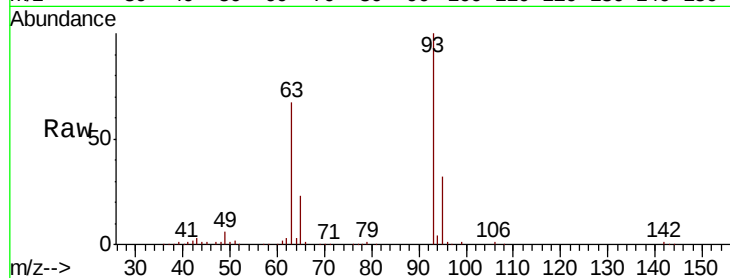
Tot Ion: 93 Resp: 380161

Ion Ratio Lower Upper

93 100

63 67.3 45.4 85.4

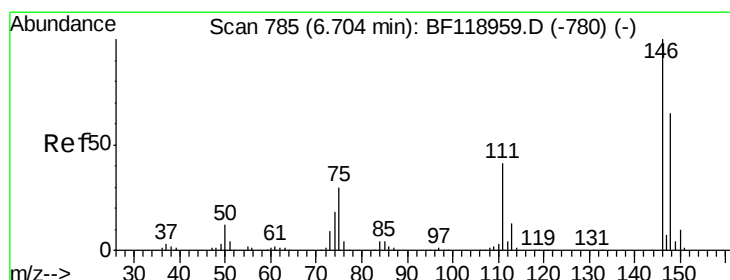
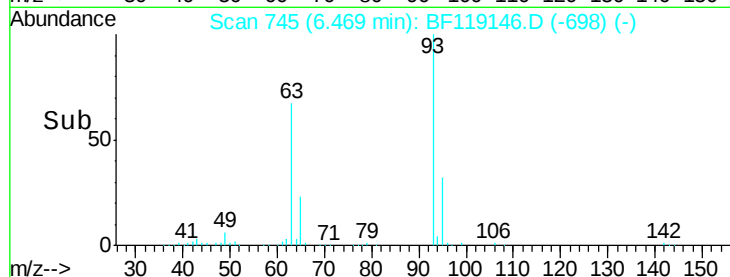
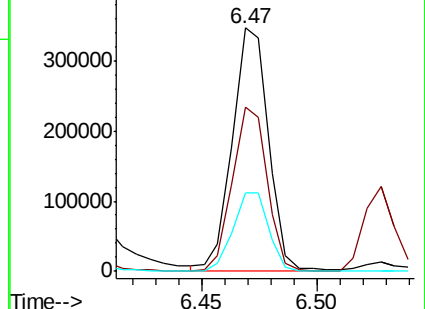
95 32.2 13.5 53.5



Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Ion 95.00 (94.70 to 95.70): BF1



#12

1,3-Dichlorobenzene

Concen: 39.911 ng

RT: 6.67 min Scan# 780

Delta R.T. -0.02 min

Lab File: BF119146.D

Acq: 28 Feb 2020 22:49

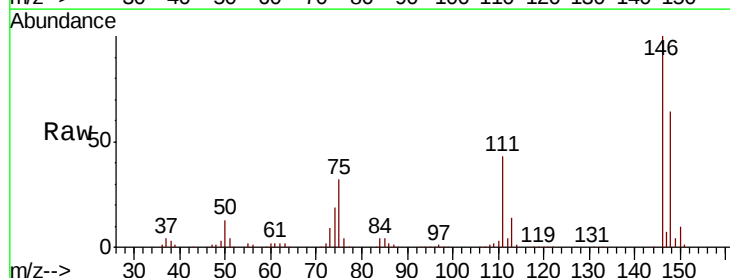
Tgt Ion: 146 Resp: 409820

Ion Ratio Lower Upper

146 100

148 64.3 52.5 78.7

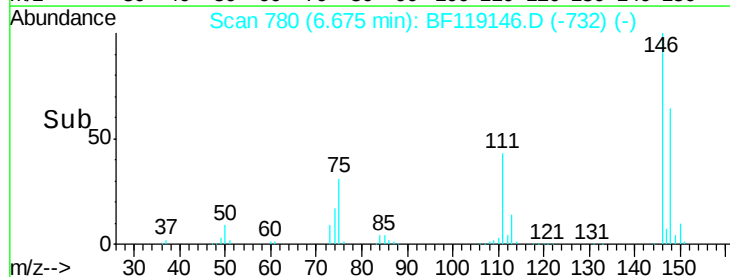
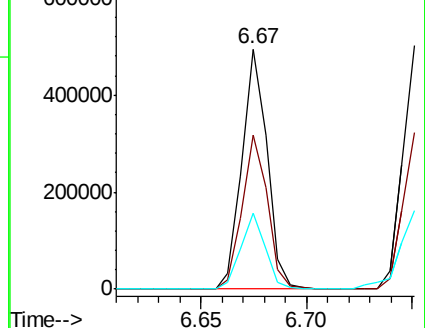
75 31.5 23.6 35.4

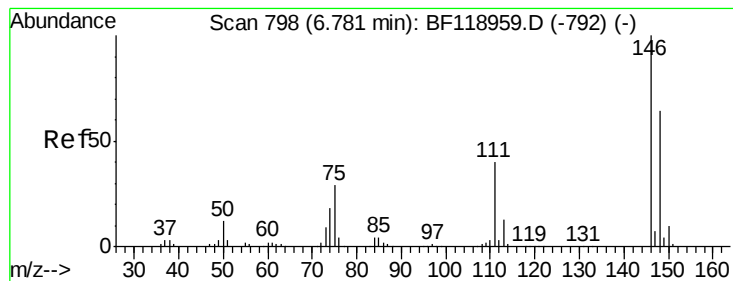


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF1





#13

1,4-Dichlorobenzene

Concen: 41.212 ng

RT: 6.75 min Scan# 793

Delta R.T. -0.01 min

Lab File: BF119146.D

Acq: 28 Feb 2020 22:49

Instrument :

BNA\_F

ClientSampleId :

HR-05-022620MS

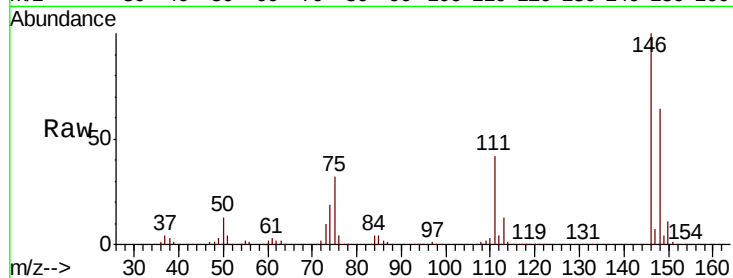
Tot Ion:146 Resp: 423477

Ion Ratio Lower Upper

146 100

148 64.1 51.1 76.7

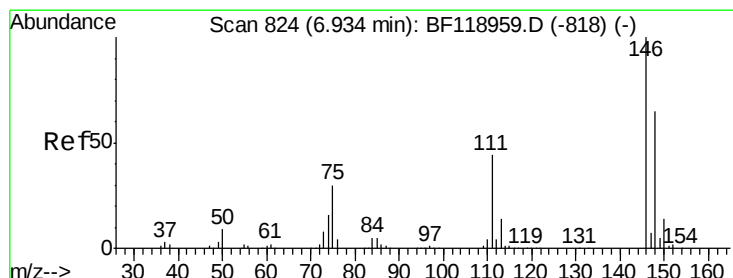
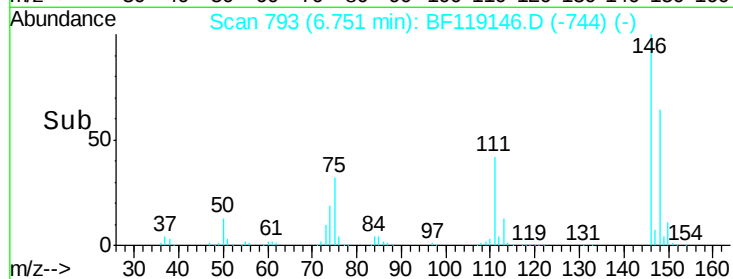
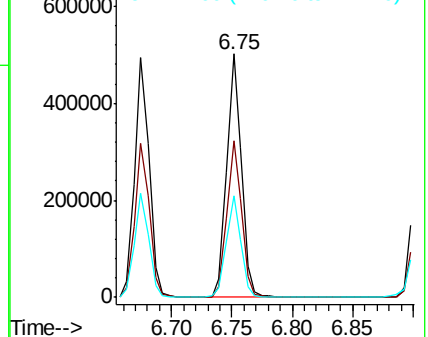
111 41.8 34.8 52.2



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 42.074 ng

RT: 6.90 min Scan# 819

Delta R.T. -0.02 min

Lab File: BF119146.D

Acq: 28 Feb 2020 22:49

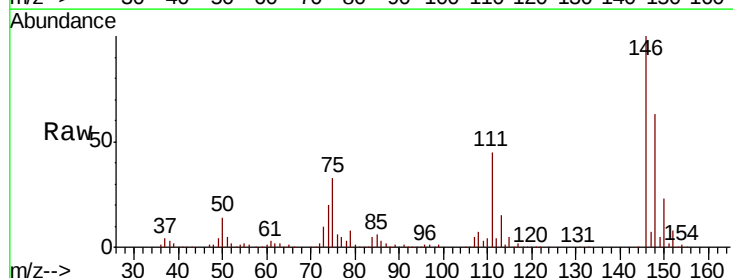
Tgt Ion:146 Resp: 394286

Ion Ratio Lower Upper

146 100

148 63.2 51.9 77.9

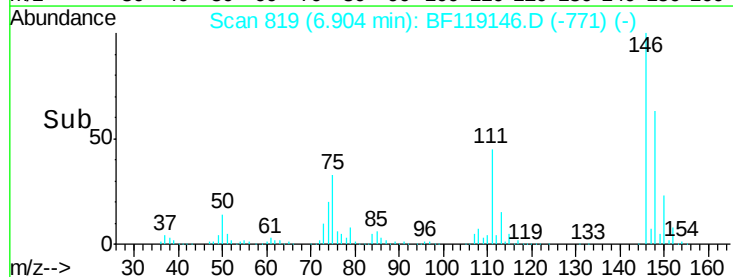
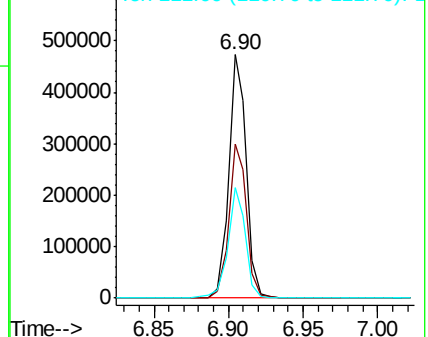
111 45.2 36.2 54.2

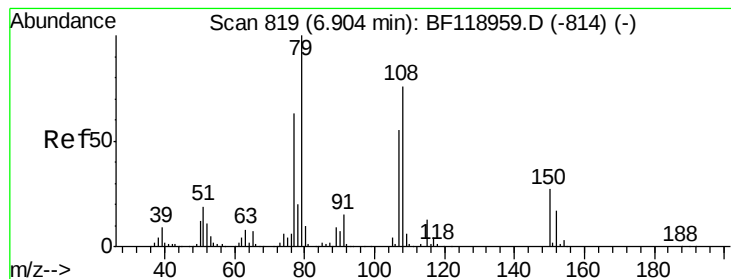


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 51.598 ng

RT: 6.89 min Scan# 816

Delta R.T. -0.01 min

Lab File: BF119146.D

Acq: 28 Feb 2020 22:49

Instrument :

BNA\_F

ClientSampleId :

HR-05-022620MS

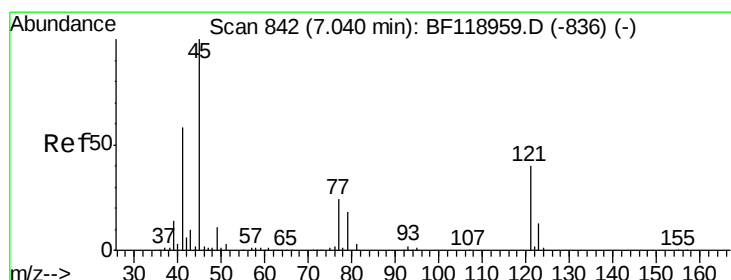
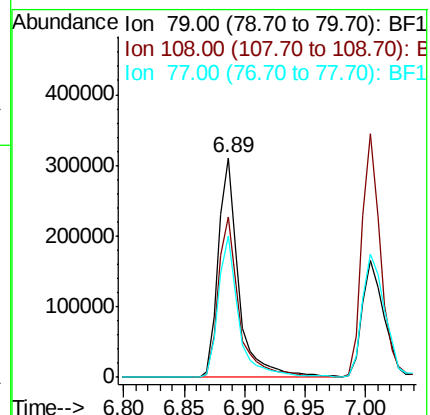
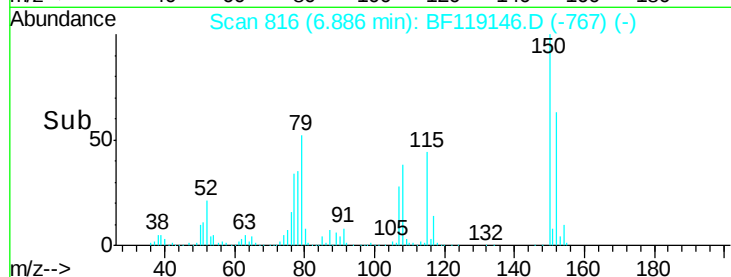
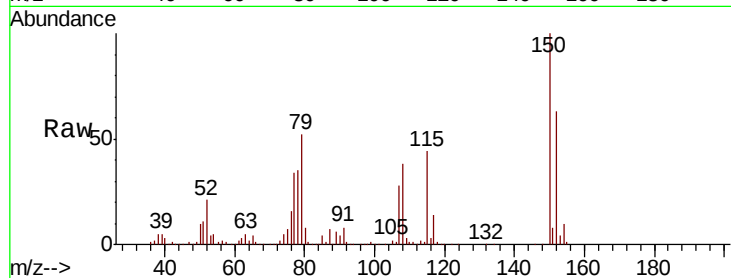
Tot Ion: 79 Resp: 360044

Ion Ratio Lower Upper

79 100

108 73.1 58.2 87.2

77 64.0 51.2 76.8



#16

2,2'-oxybis(1-Chloropropane)

Concen: 41.320 ng

RT: 7.02 min Scan# 838

Delta R.T. -0.01 min

Lab File: BF119146.D

Acq: 28 Feb 2020 22:49

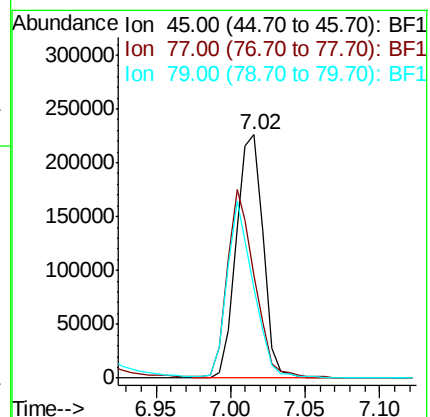
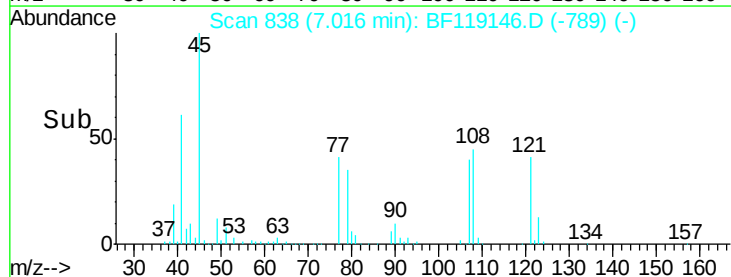
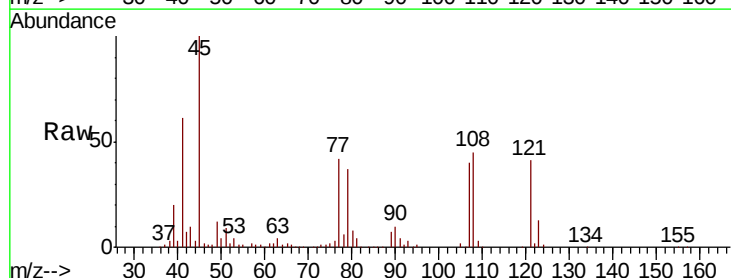
Tgt Ion: 45 Resp: 285882

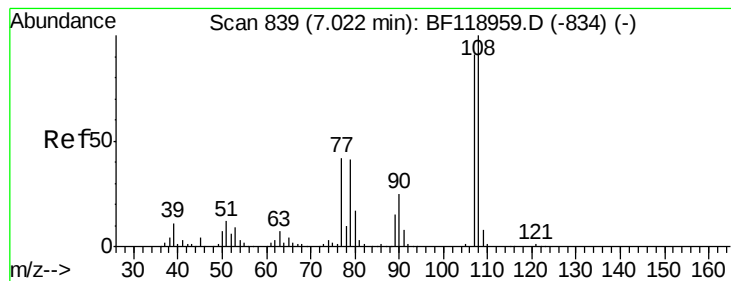
Ion Ratio Lower Upper

45 100

77 42.0 15.0 55.0

79 36.8 9.4 49.4

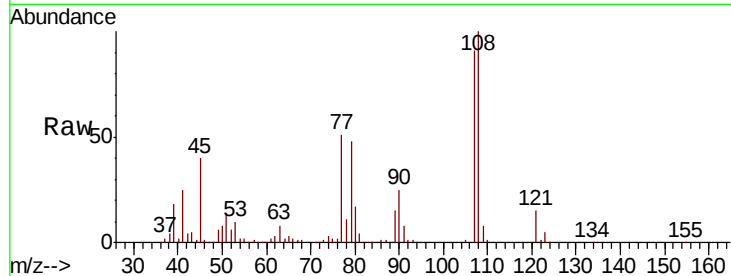




#17  
2-Methylphenol  
Concen: 47.970 ng  
RT: 7.00 min Scan# 836  
Delta R.T. -0.01 min  
Lab File: BF119146.D  
Acq: 28 Feb 2020 22:49

Instrument :  
BNA\_F  
ClientSampleId :  
HR-05-022620MS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 107   | Resp: | 333203 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 109.7 | 87.9  | 131.9  |
| 77       | 55.8  | 45.3  | 67.9   |
| 79       | 52.4  | 43.0  | 64.4   |



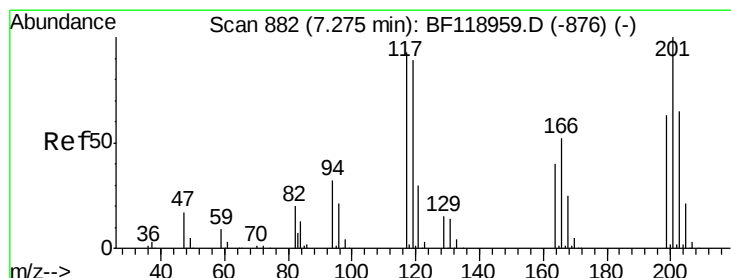
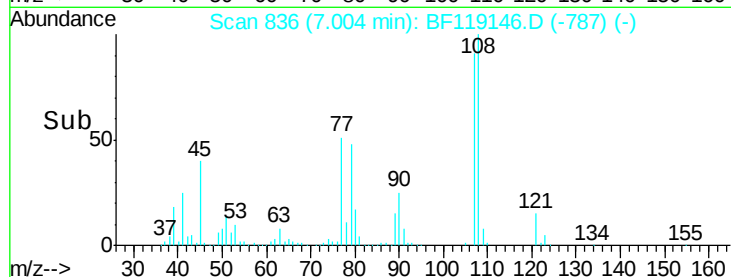
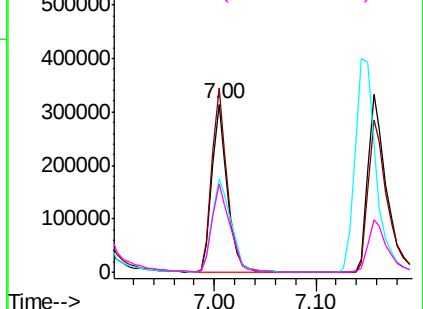
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

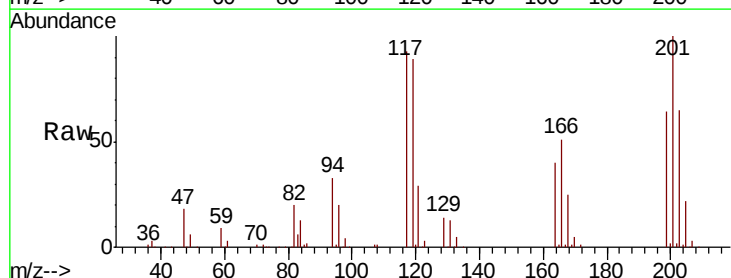
Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18  
Hexachloroethane  
Concen: 39.803 ng  
RT: 7.25 min Scan# 877  
Delta R.T. -0.01 min  
Lab File: BF119146.D  
Acq: 28 Feb 2020 22:49

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 146326 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 95.4  | 77.5  | 116.3  |
| 201      | 107.3 | 82.6  | 123.8  |

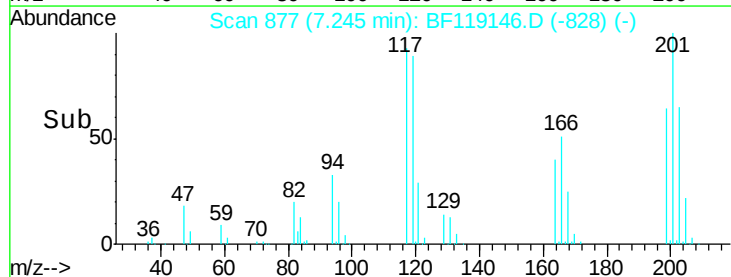
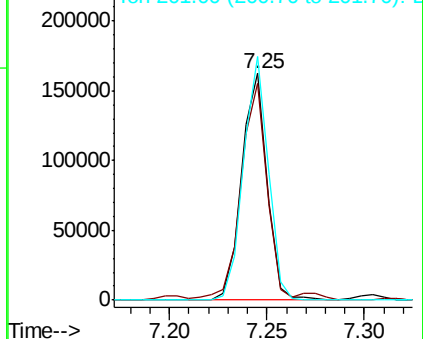


Abundance

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

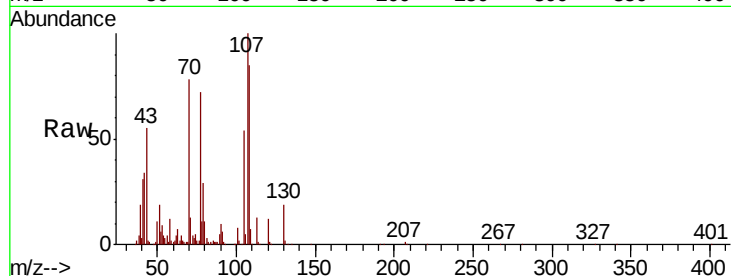




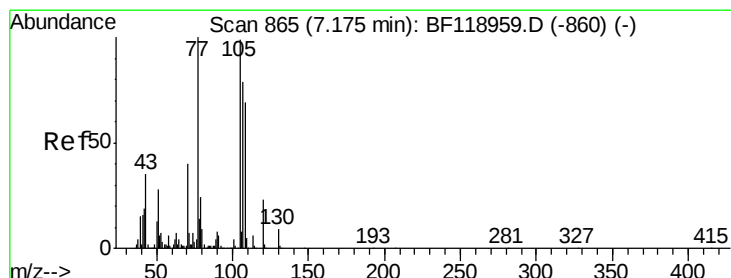
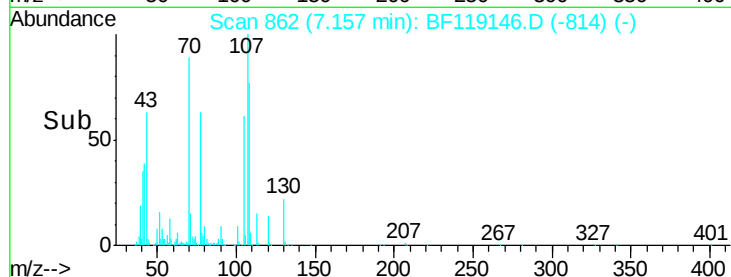
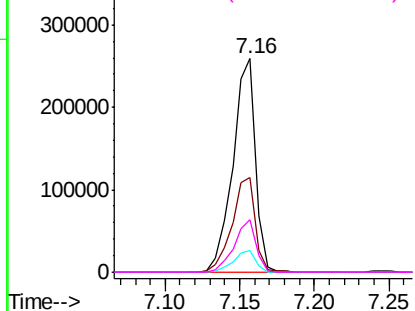
#19  
n-Nitroso-di-n-propylamine  
Concen: 49.166 ng  
RT: 7.16 min Scan# 862  
Delta R.T. -0.02 min  
Lab File: BF119146.D  
Acq: 28 Feb 2020 22:49

Instrument :  
BNA\_F  
ClientSampleId :  
HR-05-022620MS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 70    | Resp: | 276603 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 44.1  | 38.0  | 57.0   |
| 101      | 10.5  | 8.2   | 12.4   |
| 130      | 24.8  | 18.2  | 27.4   |



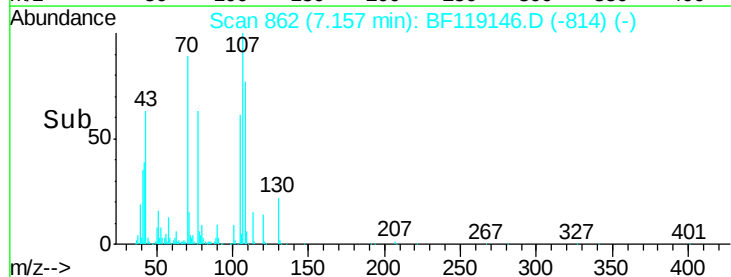
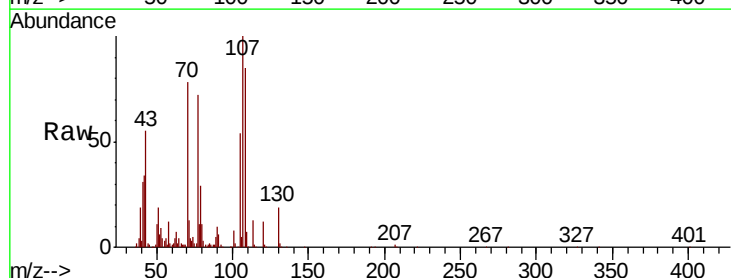
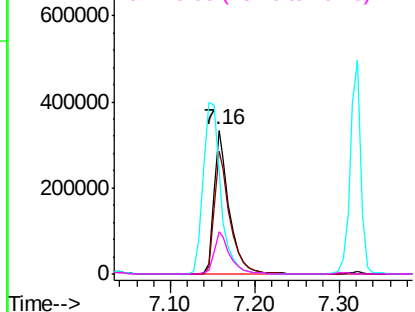
Abundance Ion 70.00 (69.70 to 70.70): BF1  
Ion 42.00 (41.70 to 42.70): BF1  
Ion 101.00 (100.70 to 101.70): BF1  
Ion 130.00 (129.70 to 130.70): BF1



#20  
3+4-Methylphenols  
Concen: 49.954 ng  
RT: 7.16 min Scan# 862  
Delta R.T. -0.02 min  
Lab File: BF119146.D  
Acq: 28 Feb 2020 22:49

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 425095 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 85.3  | 71.5  | 111.5  |
| 77       | 71.7  | 45.9  | 85.9   |
| 79       | 29.3  | 13.8  | 53.8   |

Abundance Ion 107.00 (106.70 to 107.70): BF1  
Ion 108.00 (107.70 to 108.70): BF1  
Ion 77.00 (76.70 to 77.70): BF1  
Ion 79.00 (78.70 to 79.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.02 min Scan# 1008

Delta R.T. -0.02 min

Lab File: BF119146.D

Acq: 28 Feb 2020 22:49

Instrument :

BNA\_F

ClientSampleId :

HR-05-022620MS

Tot Ion:136 Resp: 521917

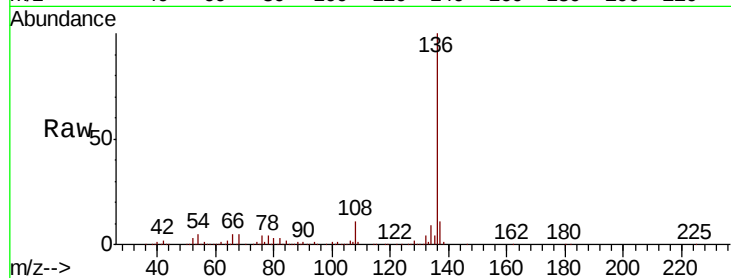
Ion Ratio Lower Upper

136 100

137 10.6 8.8 13.2

54 4.7 3.8 5.6

68 5.1 3.9 5.9

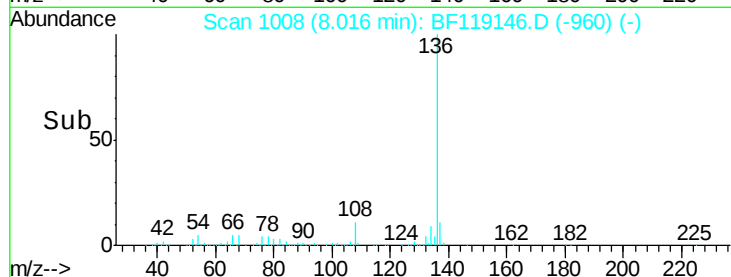


Abundance Ion 136.00 (135.70 to 136.70): E

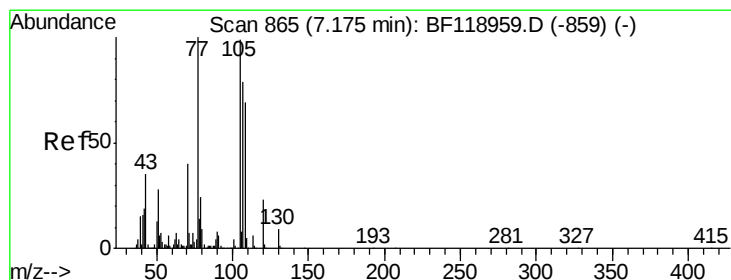
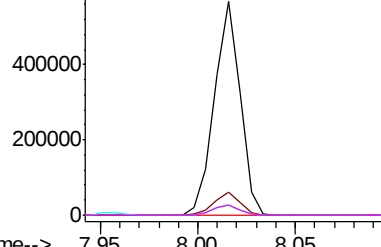
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time-->



#22

Acetophenone

Concen: 47.956 ng

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: BF119146.D

Acq: 28 Feb 2020 22:49

Tgt Ion:105 Resp: 579102

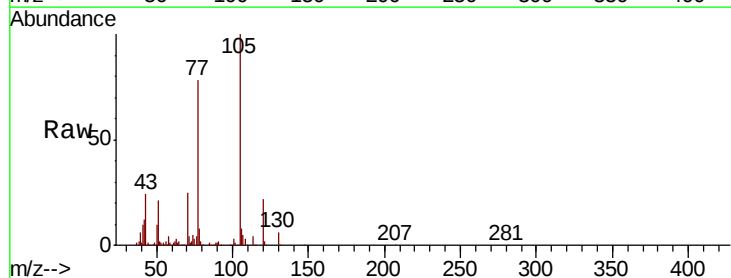
Ion Ratio Lower Upper

105 100

71 4.2 3.0 4.4

51 20.8 20.1 30.1

120 22.2 18.0 27.0

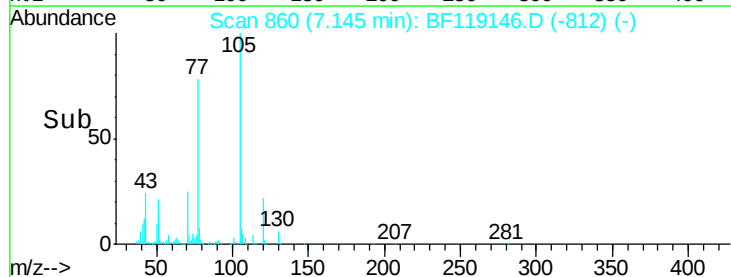


Abundance Ion 105.00 (104.70 to 105.70): E

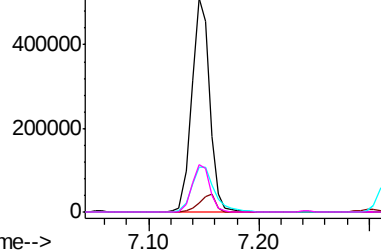
Ion 71.00 (70.70 to 71.70): BF1

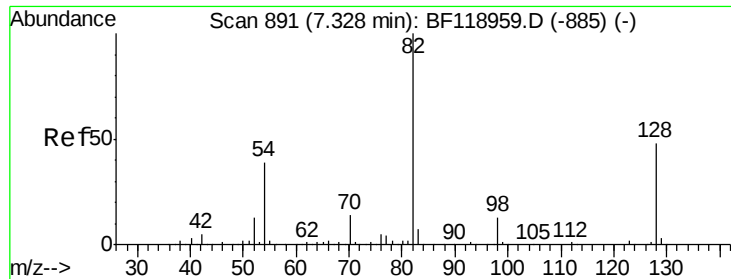
Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E



Time-->

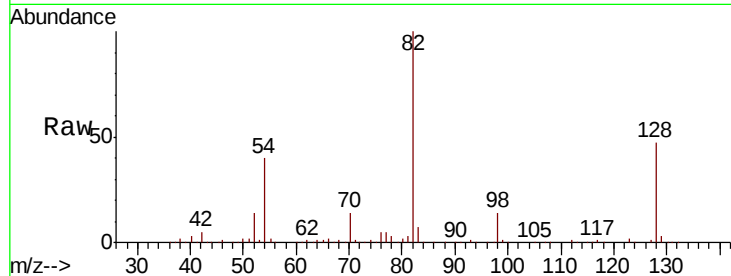




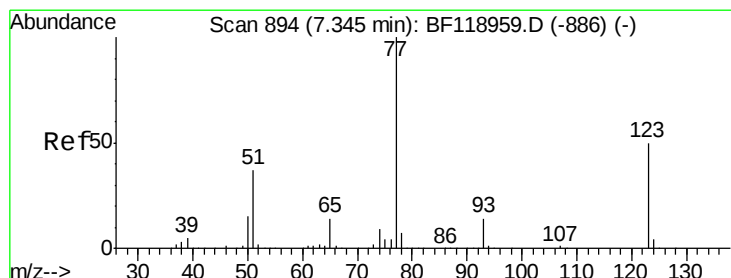
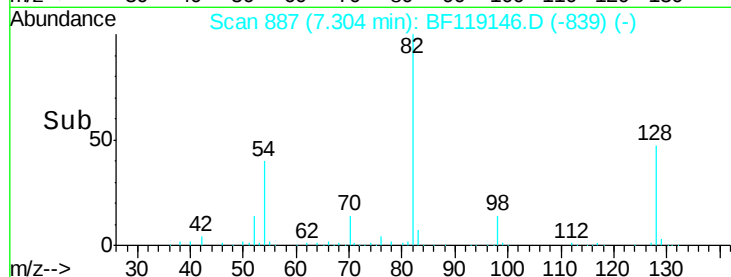
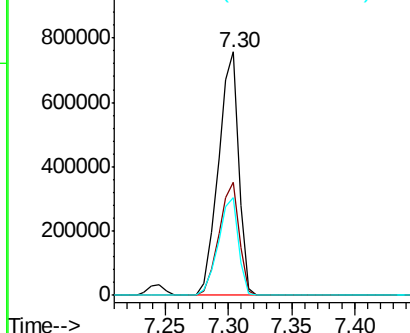
#23  
 Nitrobenzene-d5  
 Concen: 85.831 ng  
 RT: 7.30 min Scan# 887  
 Delta R.T. -0.02 min  
 Lab File: BF119146.D  
 Acq: 28 Feb 2020 22:49

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HR-05-022620MS

Tot Ion: 82 Resp: 848418  
 Ion Ratio Lower Upper  
 82 100  
 128 46.6 37.9 56.9  
 54 40.0 33.4 50.2

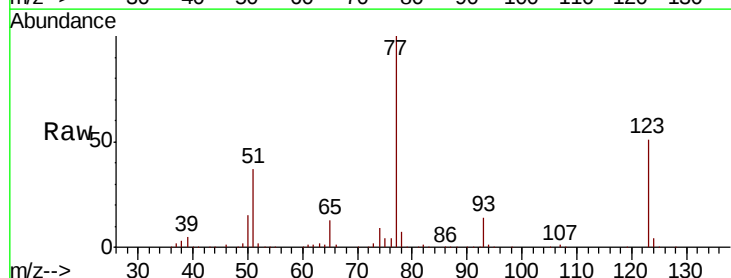


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

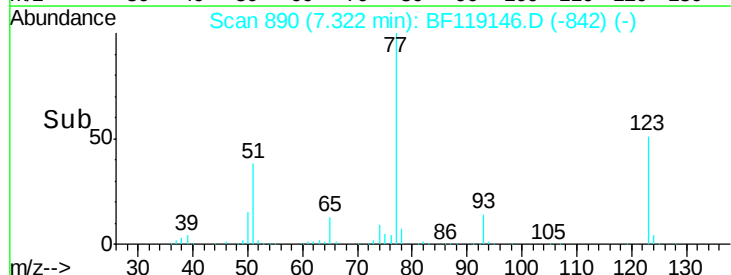
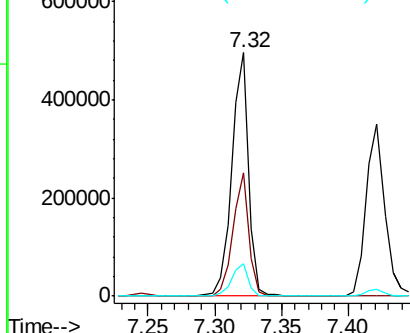


#24  
 Nitrobenzene  
 Concen: 44.618 ng  
 RT: 7.32 min Scan# 890  
 Delta R.T. -0.02 min  
 Lab File: BF119146.D  
 Acq: 28 Feb 2020 22:49

Tgt Ion: 77 Resp: 436144  
 Ion Ratio Lower Upper  
 77 100  
 123 50.5 40.2 60.2  
 65 13.3 10.8 16.2



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





#25

Isophorone

Concen: 45.317 ng

RT: 7.56 min Scan# 931

Delta R.T. -0.02 min

Lab File: BF119146.D

Acq: 28 Feb 2020 22:49

Instrument :

BNA\_F

ClientSampleId :

HR-05-022620MS

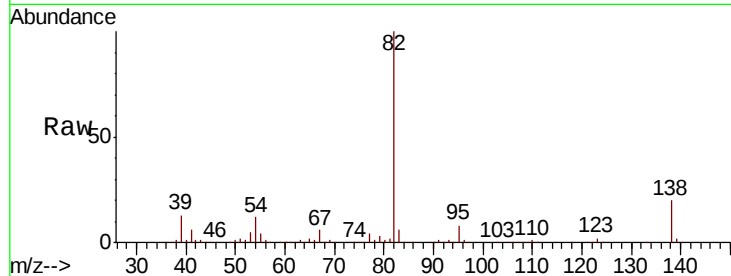
Tot Ion: 82 Resp: 777953

Ion Ratio Lower Upper

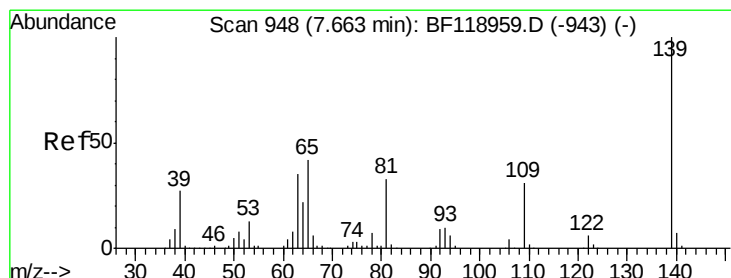
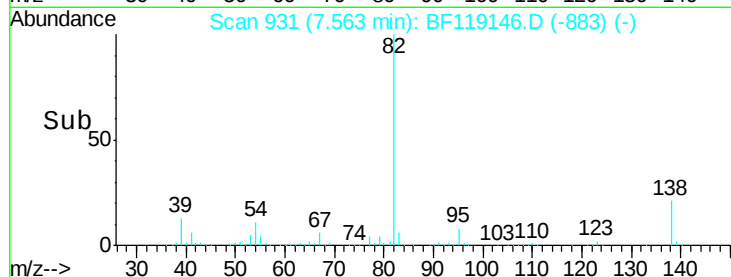
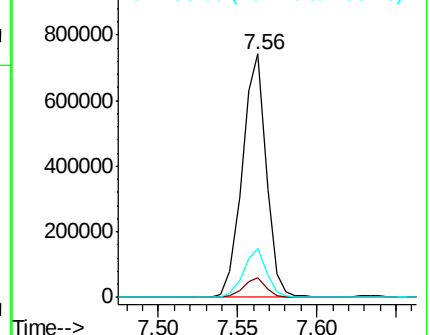
82 100

95 7.9 6.4 9.6

138 20.1 15.7 23.5



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: 45.334 ng

RT: 7.64 min Scan# 944

Delta R.T. -0.01 min

Lab File: BF119146.D

Acq: 28 Feb 2020 22:49

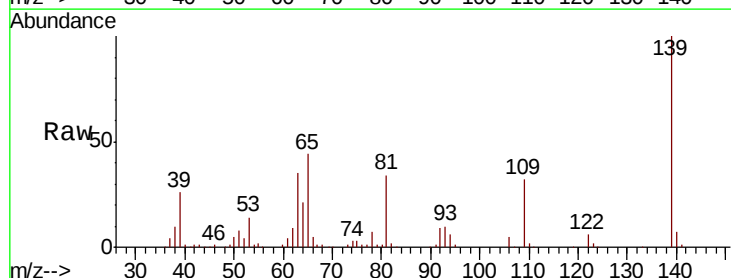
Tgt Ion: 139 Resp: 234798

Ion Ratio Lower Upper

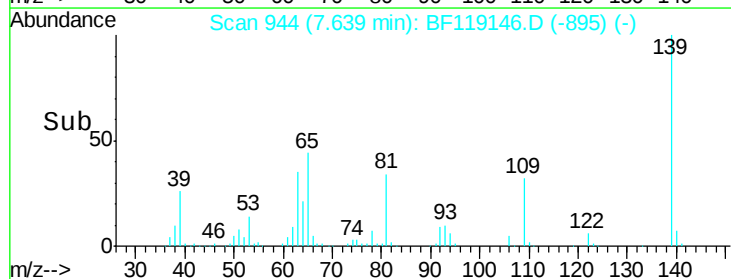
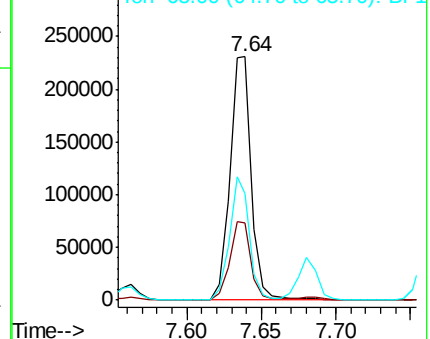
139 100

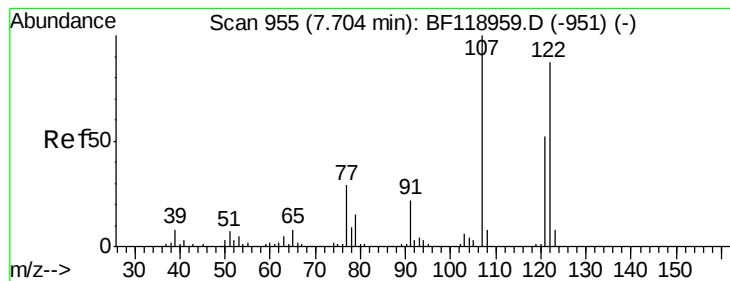
109 31.5 25.7 38.5

65 43.7 37.1 55.7



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





#27

2,4-Dimethylphenol

Concen: 51.221 ng

RT: 7.68 min Scan# 951

Delta R.T. -0.02 min

Lab File: BF119146.D

Acq: 28 Feb 2020 22:49

Instrument :

BNA\_F

ClientSampleId :

HR-05-022620MS

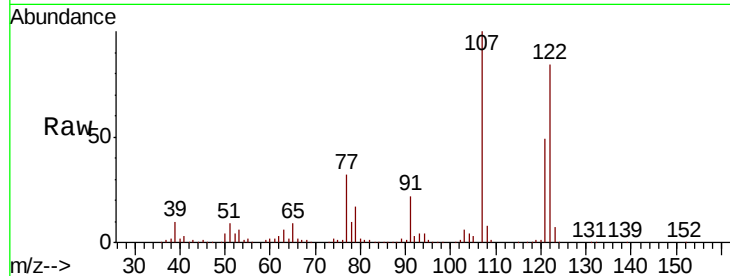
Tot Ion:122 Resp: 360043

Ion Ratio Lower Upper

122 100

107 119.1 93.8 140.6

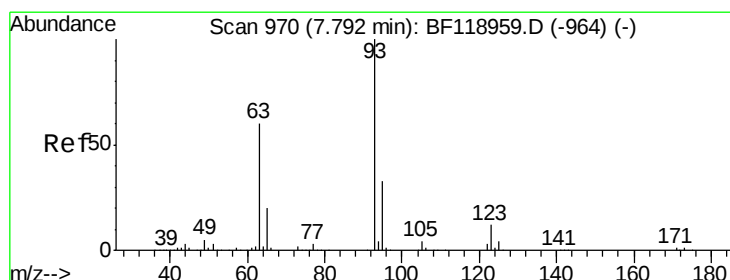
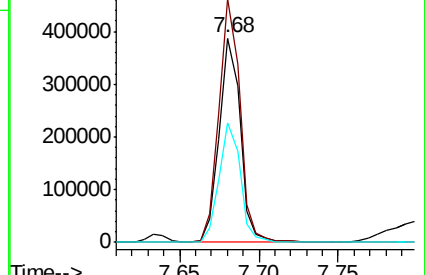
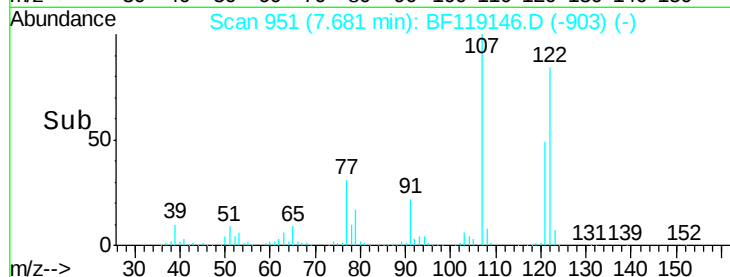
121 58.6 48.2 72.2



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: 41.465 ng

RT: 7.77 min Scan# 966

Delta R.T. -0.02 min

Lab File: BF119146.D

Acq: 28 Feb 2020 22:49

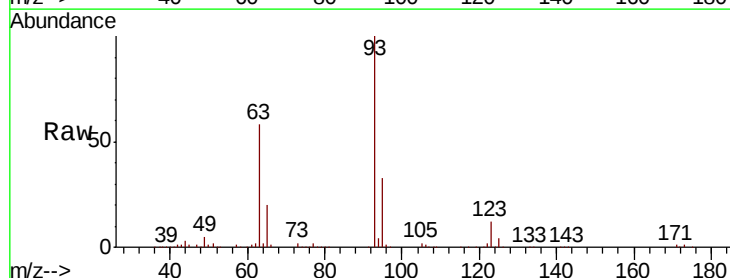
Tgt Ion: 93 Resp: 463322

Ion Ratio Lower Upper

93 100

95 32.6 26.5 39.7

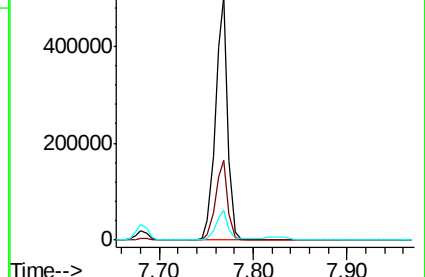
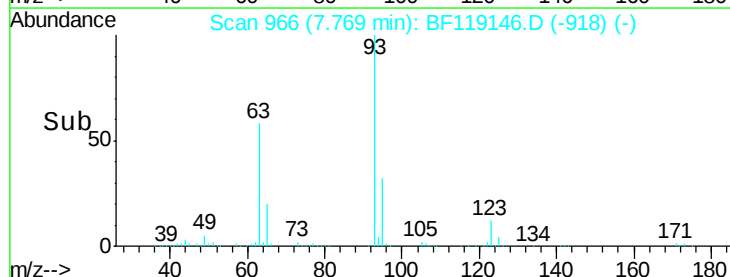
123 12.4 10.2 15.2

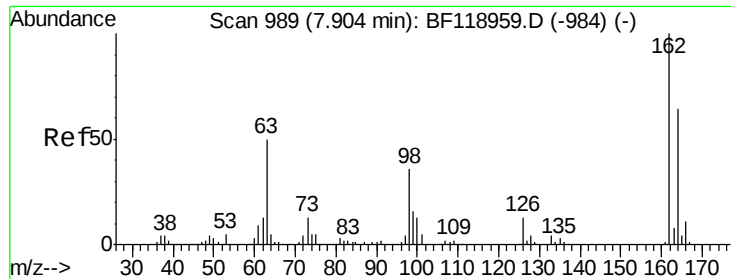


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

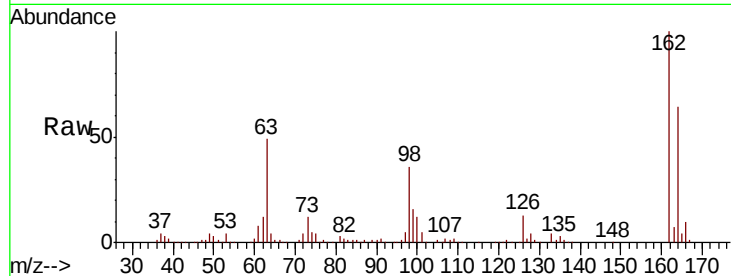




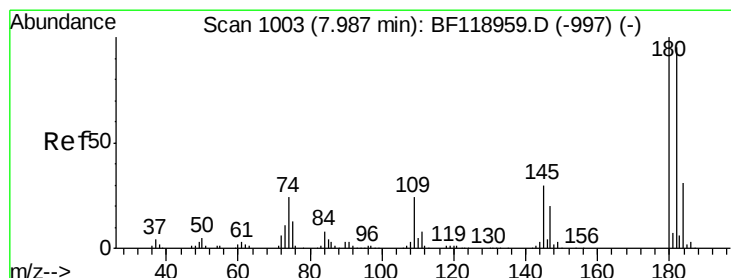
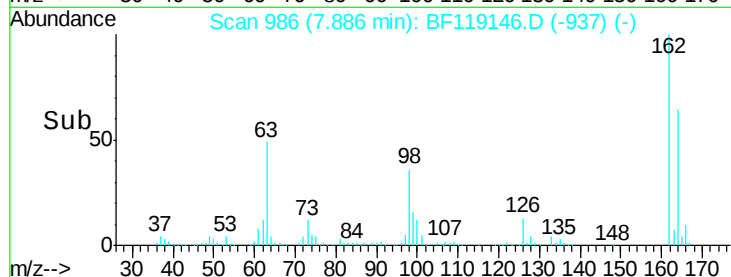
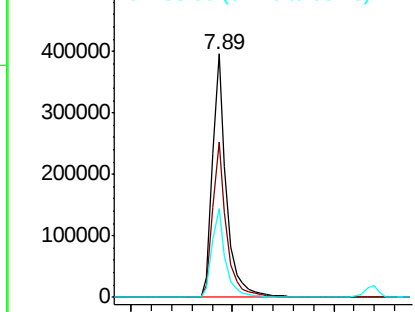
#29  
2,4-Dichlorophenol  
Concen: 45.260 ng  
RT: 7.89 min Scan# 986  
Delta R.T. -0.01 min  
Lab File: BF119146.D  
Acq: 28 Feb 2020 22:49

Instrument :  
BNA\_F  
ClientSampleId :  
HR-05-022620MS

Tot Ion:162 Resp: 374533  
Ion Ratio Lower Upper  
162 100  
164 64.0 45.2 85.2  
98 36.4 17.4 57.4

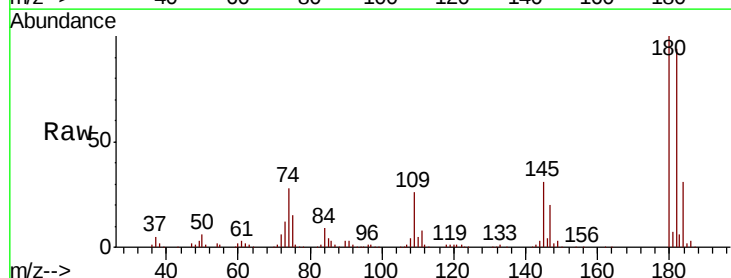


Abundance Ion 162.00 (161.70 to 162.70): E  
Ion 164.00 (163.70 to 164.70): E  
Ion 98.00 (97.70 to 98.70): BF1

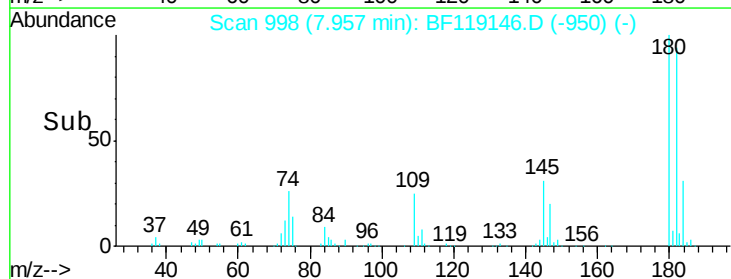
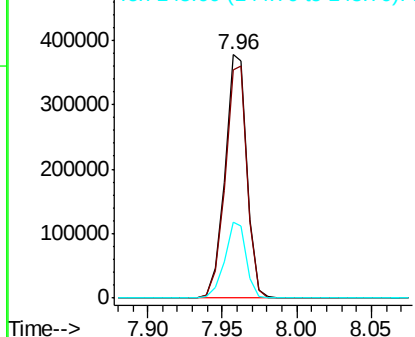


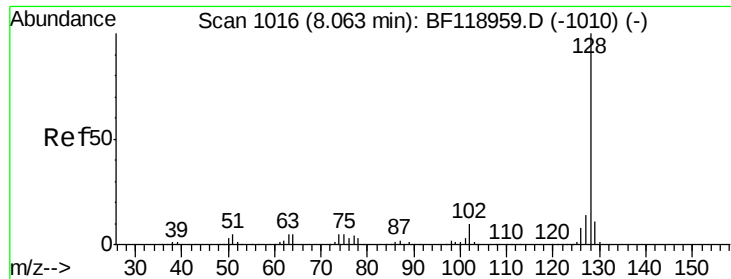
#30  
1,2,4-Trichlorobenzene  
Concen: 40.120 ng  
RT: 7.96 min Scan# 998  
Delta R.T. -0.02 min  
Lab File: BF119146.D  
Acq: 28 Feb 2020 22:49

Tgt Ion:180 Resp: 393626  
Ion Ratio Lower Upper  
180 100  
182 93.9 77.8 116.6  
145 31.0 25.2 37.8



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

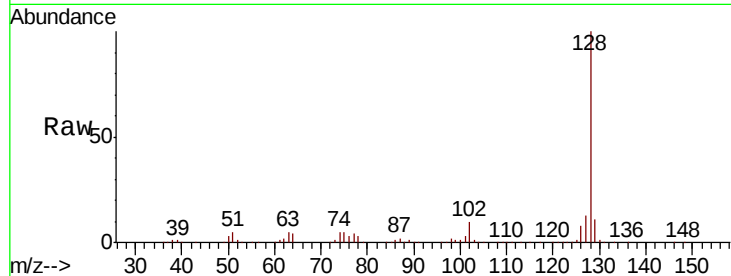




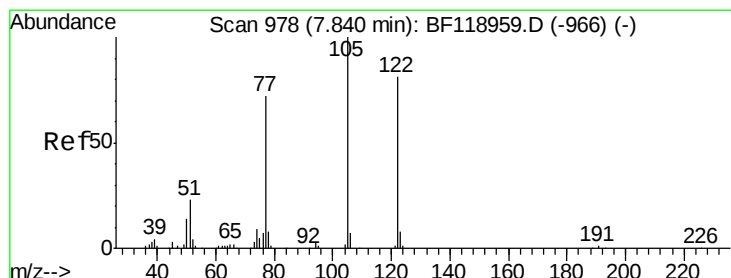
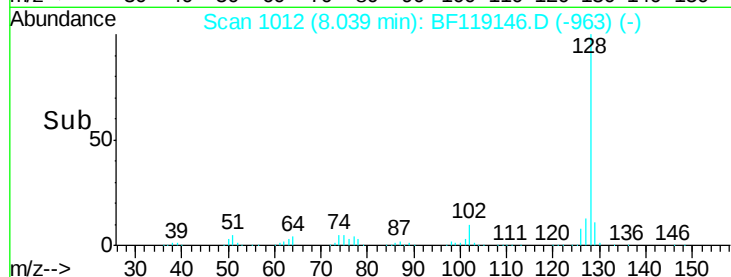
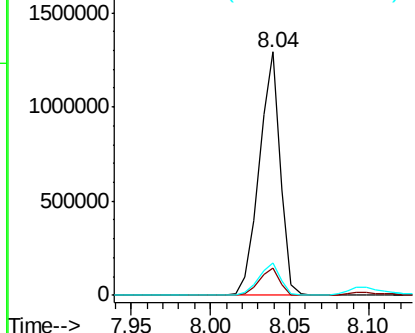
#31  
Naphthalene  
Concen: 44.152 ng  
RT: 8.04 min Scan# 1012  
Delta R.T. -0.01 min  
Lab File: BF119146.D  
Acq: 28 Feb 2020 22:49

Instrument :  
BNA\_F  
ClientSampleId :  
HR-05-022620MS

Tot Ion:128 Resp: 1195081  
Ion Ratio Lower Upper  
128 100  
129 11.2 9.4 14.2  
127 13.5 11.4 17.2

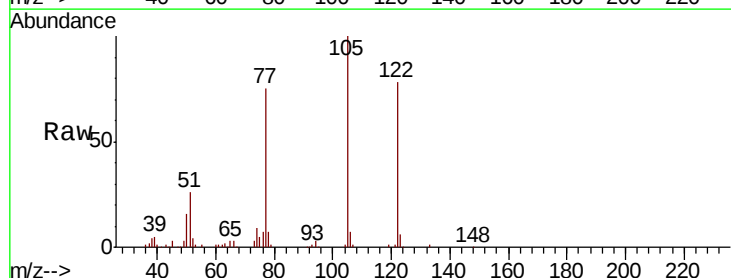


Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E

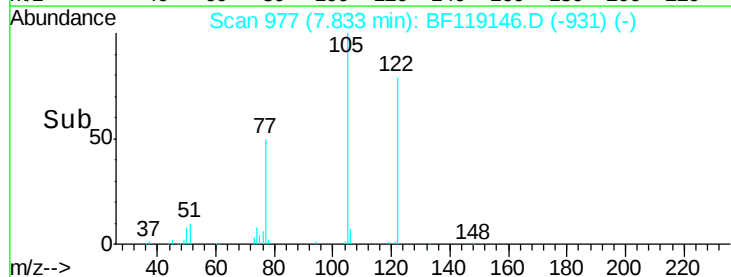
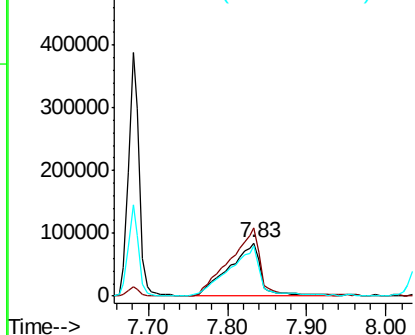


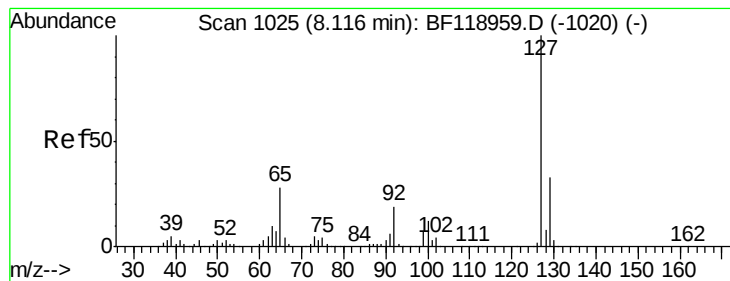
#32  
Benzoic acid  
Concen: 45.450 ng  
RT: 7.83 min Scan# 977  
Delta R.T. -0.03 min  
Lab File: BF119146.D  
Acq: 28 Feb 2020 22:49

Tgt Ion:122 Resp: 231001  
Ion Ratio Lower Upper  
122 100  
105 127.7 106.3 146.3  
77 95.5 73.1 113.1



Abundance Ion 122.00 (121.70 to 122.70): E  
Ion 105.00 (104.70 to 105.70): E  
Ion 77.00 (76.70 to 77.70): BF1





#33

4-Chloroaniline

Concen: 7.207 ng

RT: 8.10 min Scan# 1022

Delta R.T. -0.01 min

Lab File: BF119146.D

Acq: 28 Feb 2020 22:49

Instrument :

BNA\_F

ClientSampleId :

HR-05-022620MS

Tot Ion:127 Resp: 83905

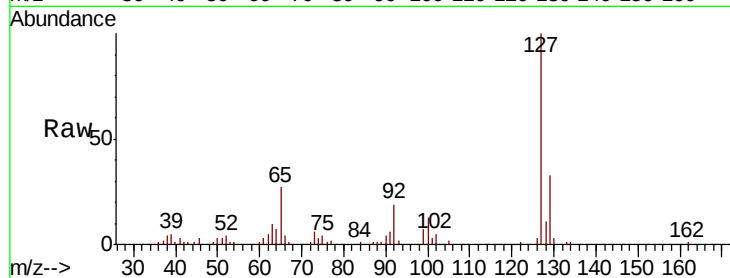
Ion Ratio Lower Upper

127 100

129 32.8 25.9 38.9

65 27.4 23.9 35.9

92 18.7 16.3 24.5

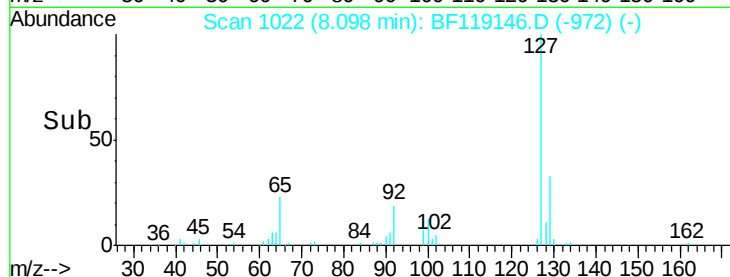


Abundance Ion 127.00 (126.70 to 127.70): E

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



Abundance

Ion 127.00 (126.70 to 127.70): E

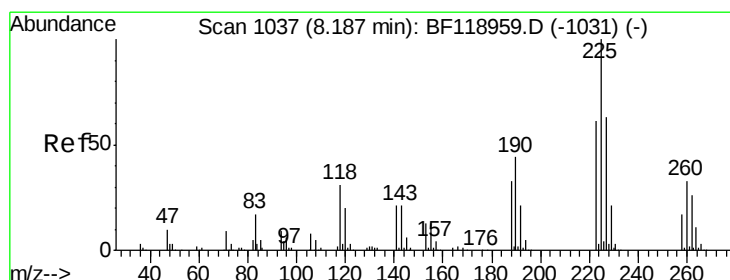
Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Time-->

8.00 8.10 8.20



#34

Hexachlorobutadiene

Concen: 36.625 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.02 min

Lab File: BF119146.D

Acq: 28 Feb 2020 22:49

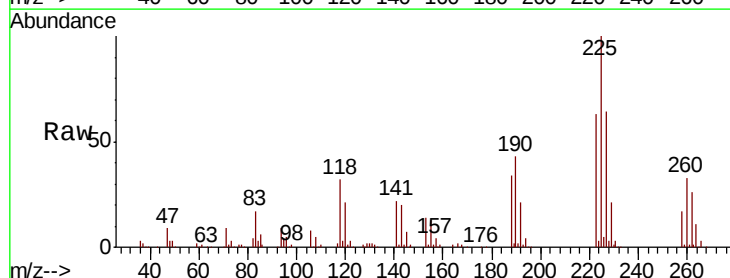
Tgt Ion:225 Resp: 223833

Ion Ratio Lower Upper

225 100

223 62.9 49.4 74.2

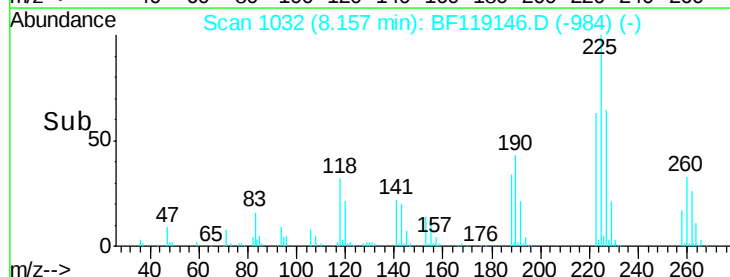
227 63.8 52.9 79.3



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



Abundance

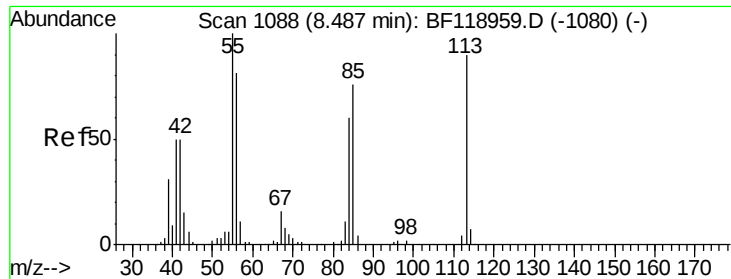
Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

Time-->

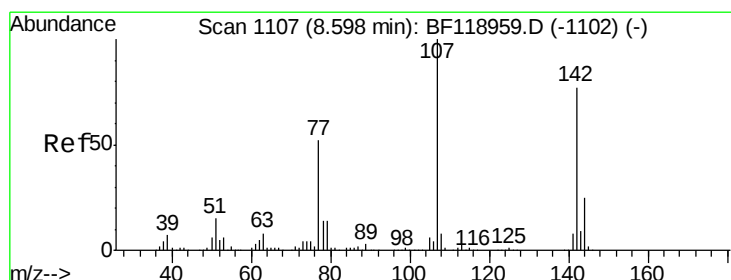
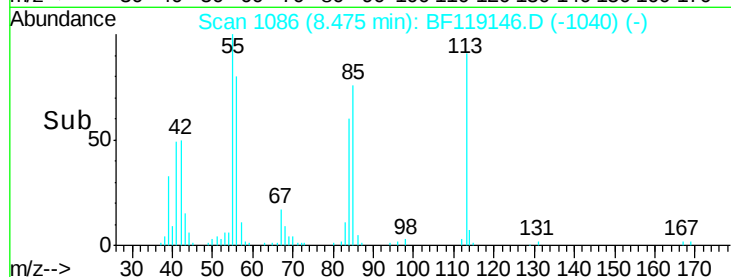
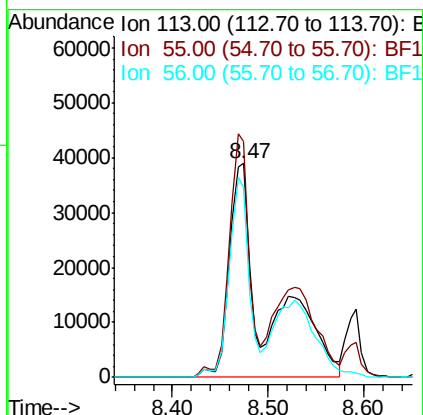
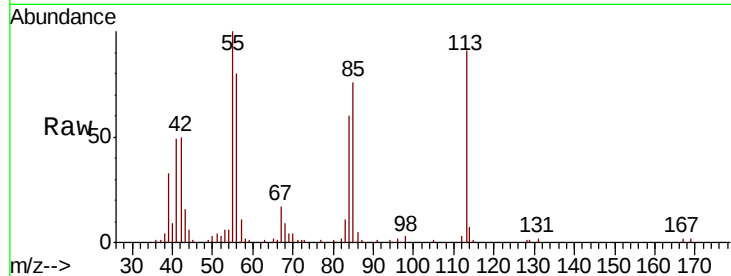
8.10 8.15 8.20



#35  
 Caprolactam  
 Concen: 40.698 ng/ml  
 RT: 8.47 min Scan# 1086  
 Delta R.T. -0.03 min  
 Lab File: BF119146.D  
 Acq: 28 Feb 2020 22:49

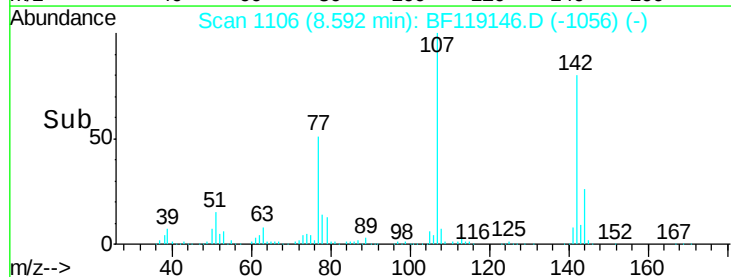
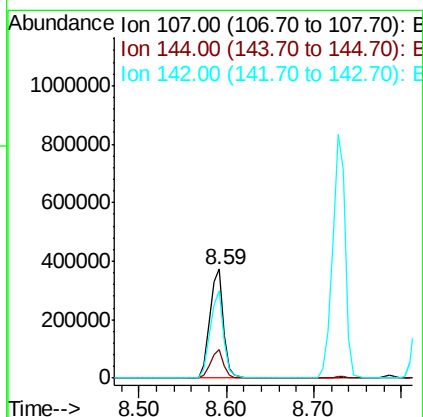
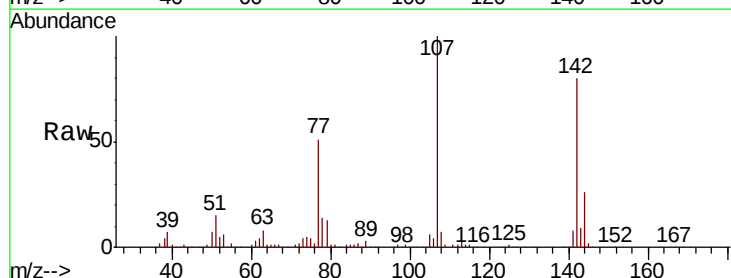
Instrument :  
 BNA\_F  
 ClientSampleId :  
 HR-05-022620MS

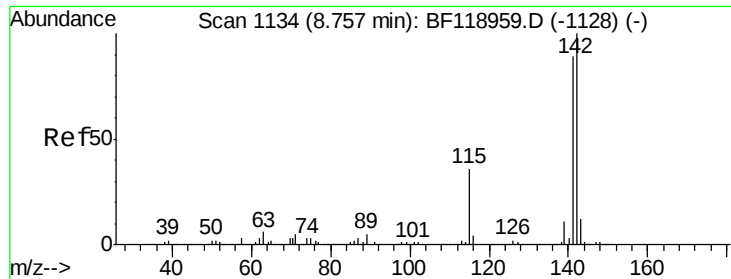
Tot Ion:113 Resp: 103699  
 Ion Ratio Lower Upper  
 113 100  
 55 110.1 95.7 135.7  
 56 88.6 73.1 113.1



#36  
 4-Chloro-3-methylphenol  
 Concen: 48.602 ng/ml  
 RT: 8.59 min Scan# 1106  
 Delta R.T. -0.01 min  
 Lab File: BF119146.D  
 Acq: 28 Feb 2020 22:49

Tgt Ion:107 Resp: 407030  
 Ion Ratio Lower Upper  
 107 100  
 144 25.6 20.1 30.1  
 142 80.2 61.4 92.2

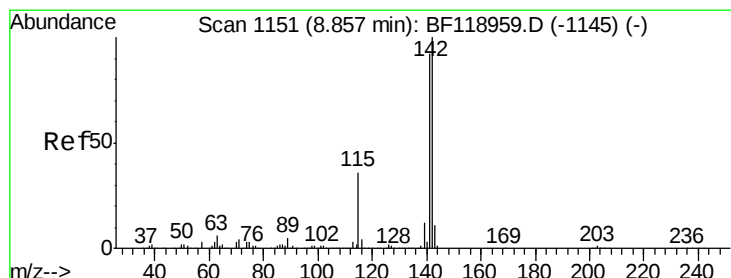
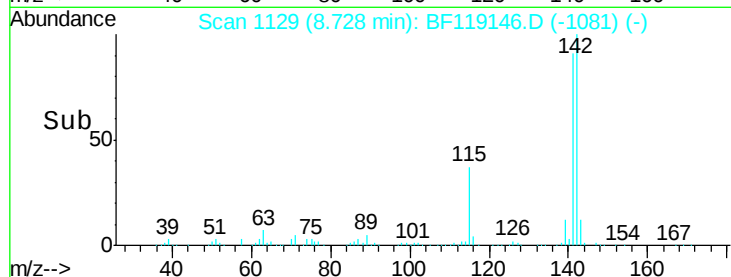
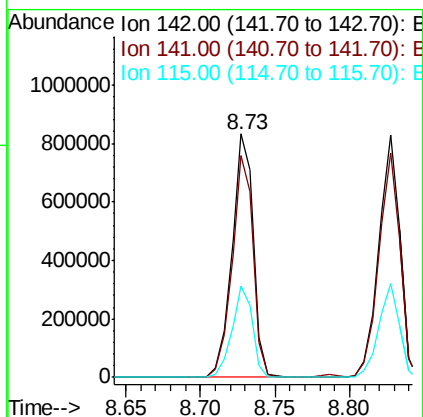
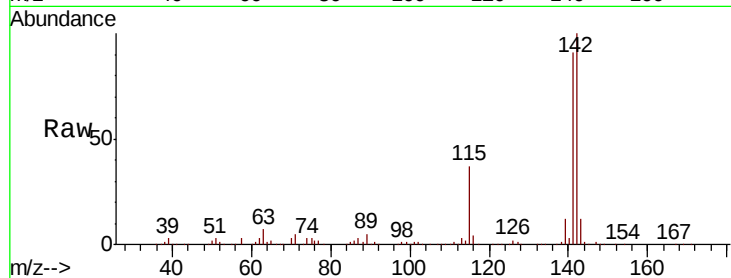




#37  
2-Methylnaphthalene  
Concen: 45.845 ng  
RT: 8.73 min Scan# 1129  
Delta R.T. -0.02 min  
Lab File: BF119146.D  
Acq: 28 Feb 2020 22:49

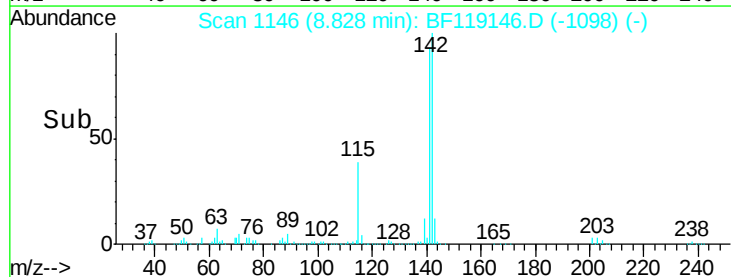
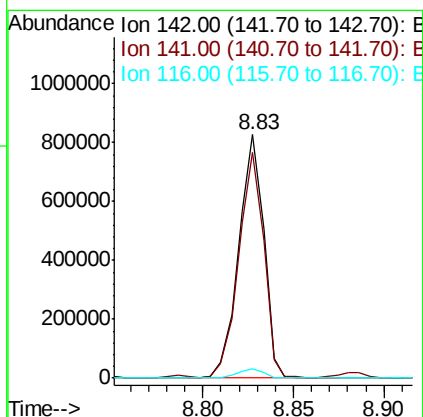
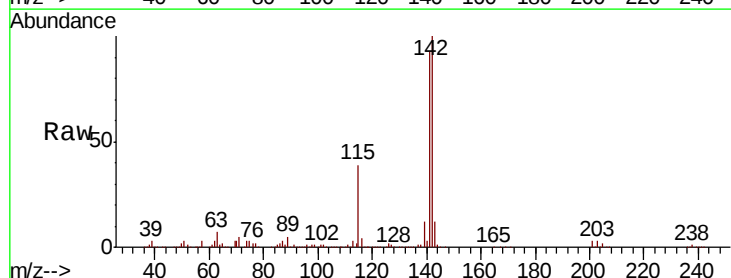
Instrument :  
BNA\_F  
ClientSampleId :  
HR-05-022620MS

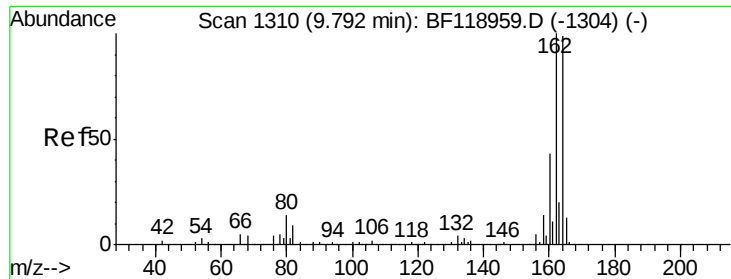
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 91.3  | 72.3  | 108.5 |
| 115     | 37.5  | 30.6  | 45.8  |



#38  
1-Methylnaphthalene  
Concen: 46.290 ng  
RT: 8.83 min Scan# 1146  
Delta R.T. -0.02 min  
Lab File: BF119146.D  
Acq: 28 Feb 2020 22:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 92.8  | 75.8  | 113.6 |
| 116     | 4.0   | 3.1   | 4.7   |

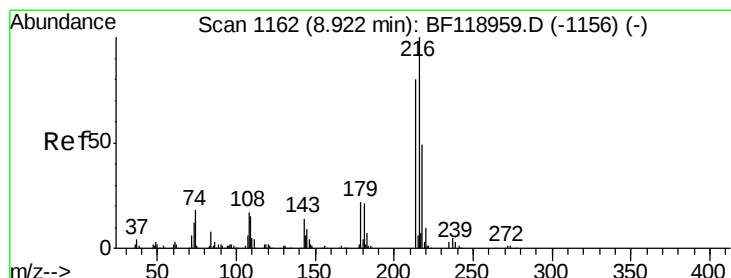
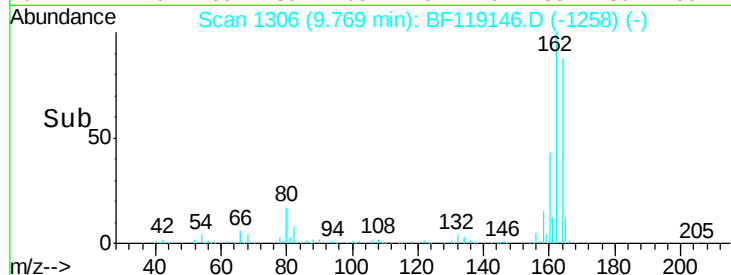
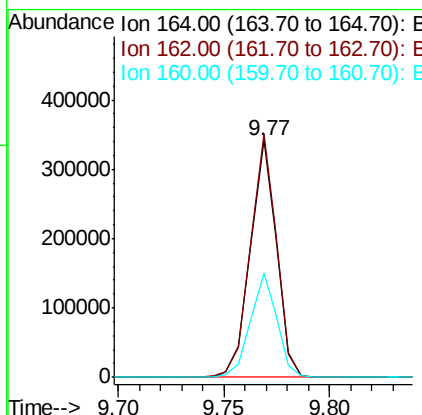
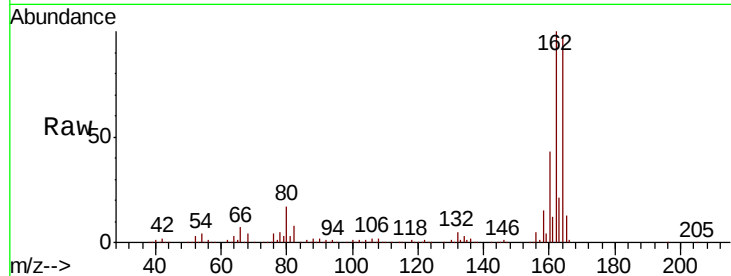




#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.77 min Scan# 1306  
 Delta R.T. -0.02 min  
 Lab File: BF119146.D  
 Acq: 28 Feb 2020 22:49

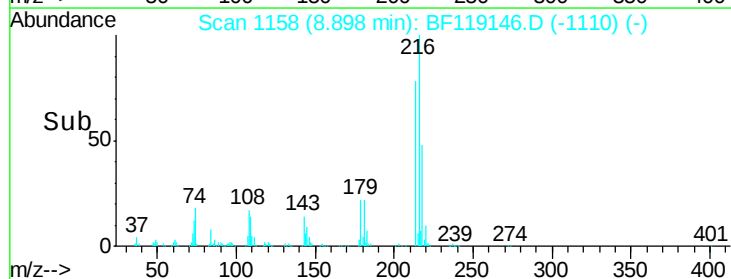
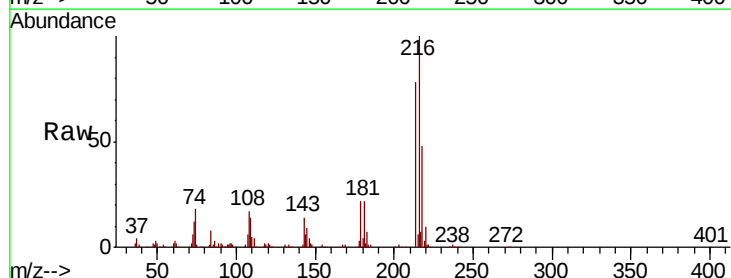
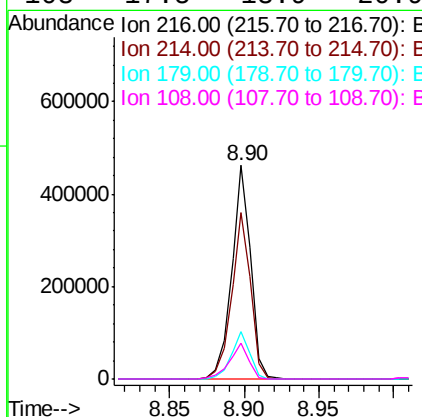
Instrument :  
 BNA\_F  
 ClientSampleId :  
 HR-05-022620MS

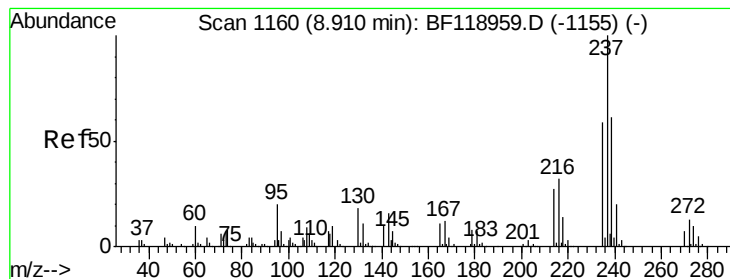
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 102.9 | 81.8  | 122.8 |
| 160     | 44.0  | 36.0  | 54.0  |



#40  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 41.320 ng  
 RT: 8.90 min Scan# 1158  
 Delta R.T. -0.02 min  
 Lab File: BF119146.D  
 Acq: 28 Feb 2020 22:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 216     | 100   |       |       |
| 214     | 78.0  | 63.3  | 94.9  |
| 179     | 21.5  | 17.7  | 26.5  |
| 108     | 17.5  | 13.9  | 20.9  |





#41

Hexachlorocyclopentadiene

Concen: 46.945 ng

RT: 8.89 min Scan# 1156

Delta R.T. -0.01 min

Lab File: BF119146.D

Acq: 28 Feb 2020 22:49

Instrument :

BNA\_F

ClientSampleId :

HR-05-022620MS

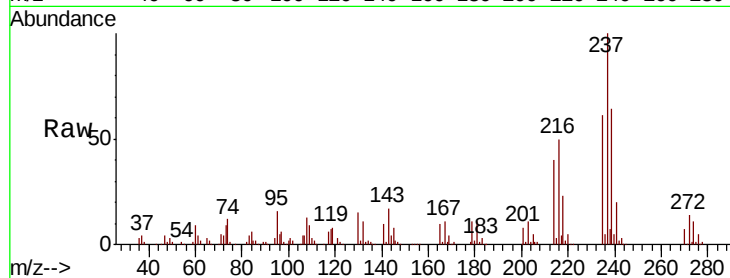
Tot Ion:237 Resp: 154299

Ion Ratio Lower Upper

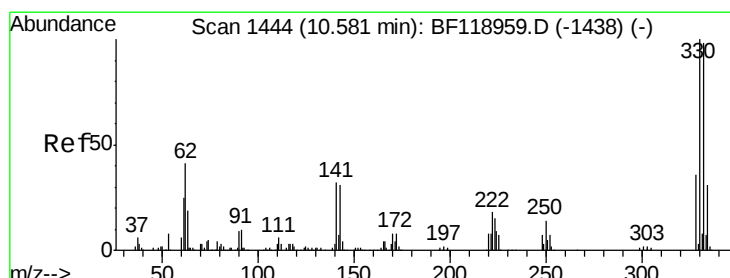
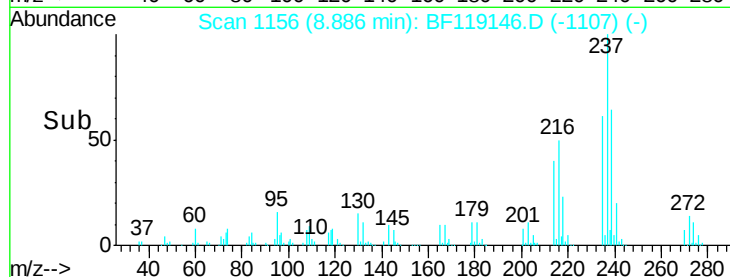
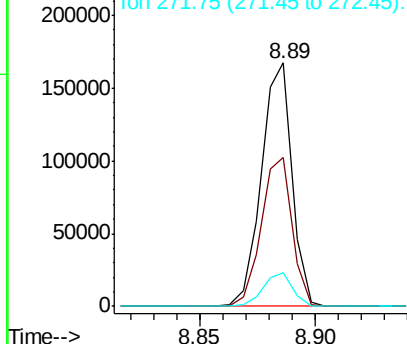
237 100

235 61.3 42.3 82.3

272 13.7 0.0 33.5



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: 125.355 ng

RT: 10.56 min Scan# 1441

Delta R.T. -0.01 min

Lab File: BF119146.D

Acq: 28 Feb 2020 22:49

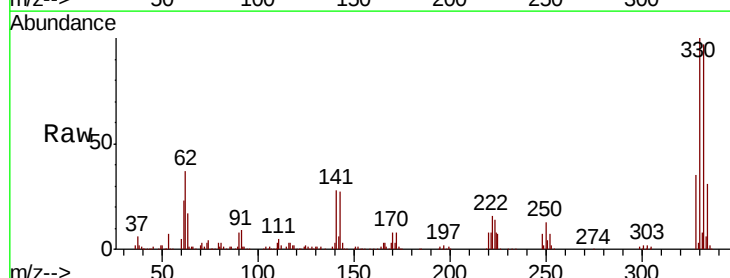
Tgt Ion:330 Resp: 484584

Ion Ratio Lower Upper

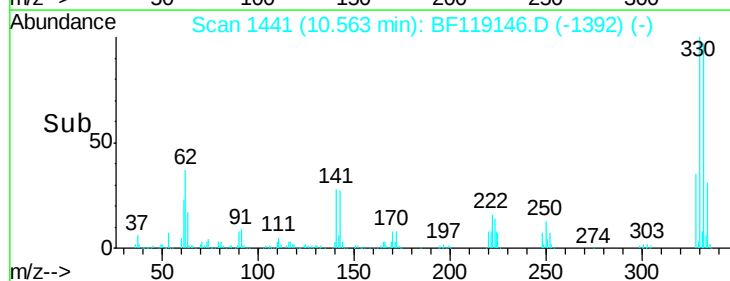
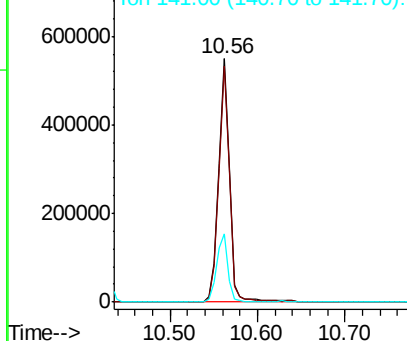
330 100

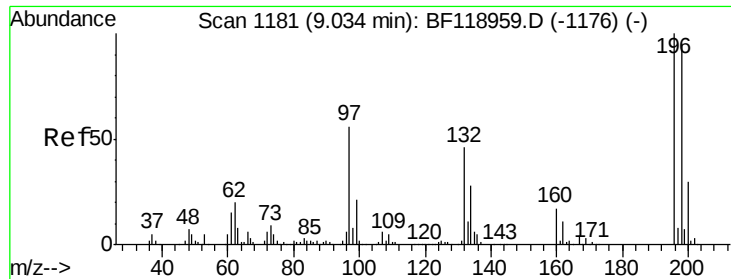
332 96.8 76.0 114.0

141 28.9 22.9 34.3



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

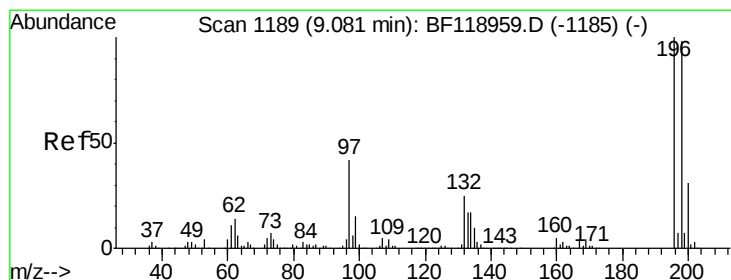
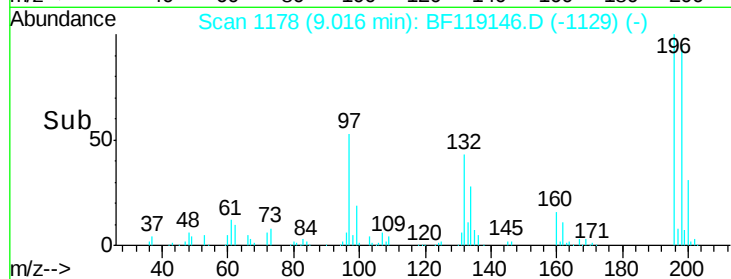
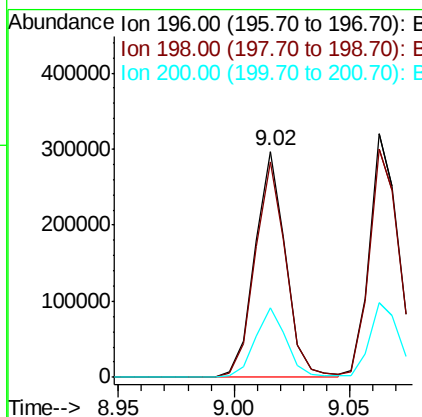
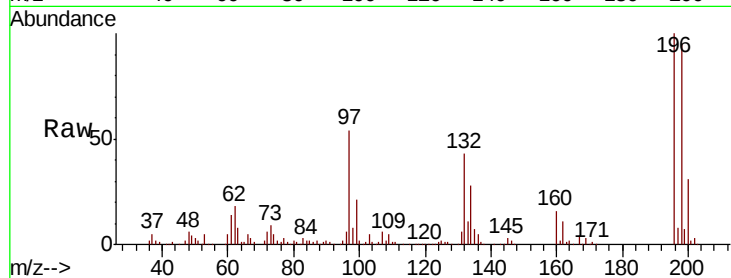




#43  
 2,4,6-Trichlorophenol  
 Concen: 43.815 ng  
 RT: 9.02 min Scan# 1178  
 Delta R.T. -0.01 min  
 Lab File: BF119146.D  
 Acq: 28 Feb 2020 22:49

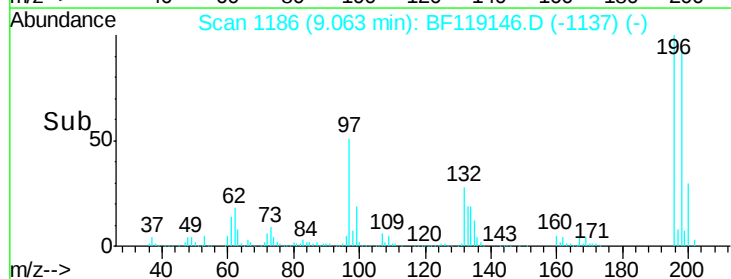
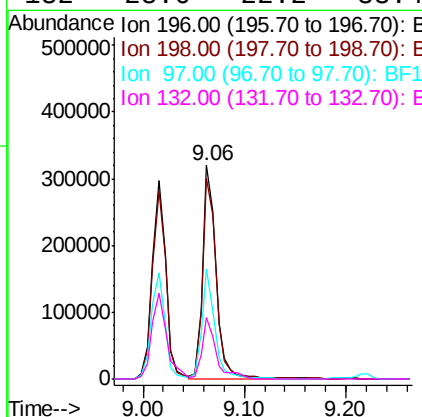
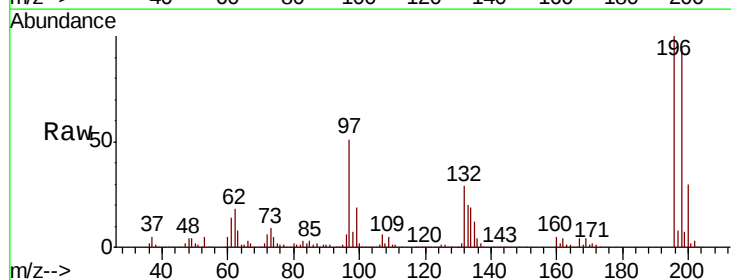
Instrument :  
 BNA\_F  
 ClientSampleId :  
 HR-05-022620MS

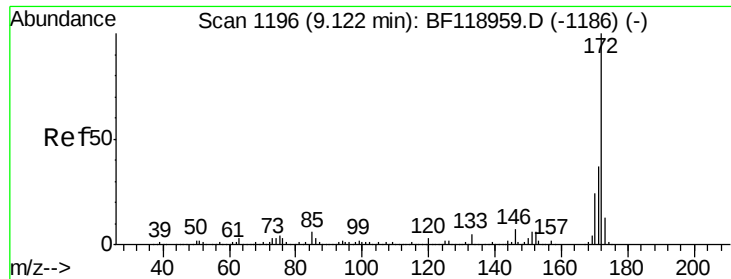
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 95.1  | 77.1  | 115.7 |
| 200     | 30.9  | 25.0  | 37.6  |



#44  
 2,4,5-Trichlorophenol  
 Concen: 44.696 ng  
 RT: 9.06 min Scan# 1186  
 Delta R.T. -0.01 min  
 Lab File: BF119146.D  
 Acq: 28 Feb 2020 22:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 93.9  | 76.8  | 115.2 |
| 97      | 51.3  | 38.5  | 57.7  |
| 132     | 28.6  | 22.2  | 33.4  |

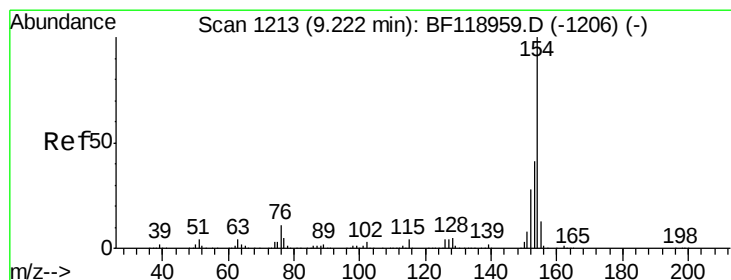
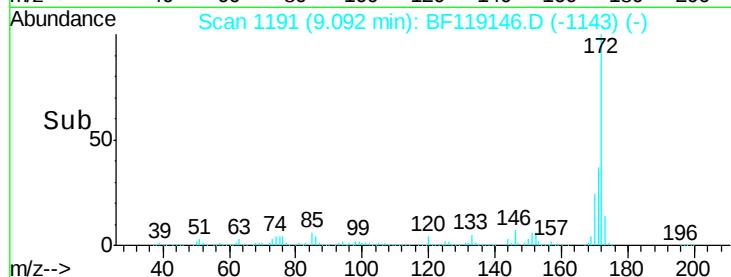
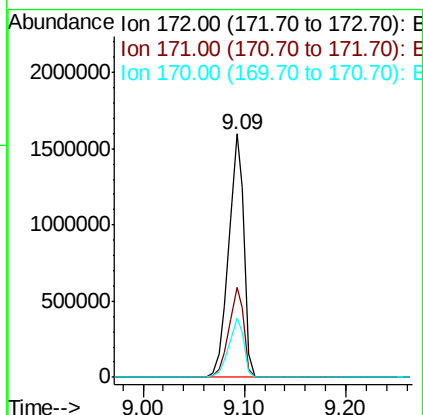
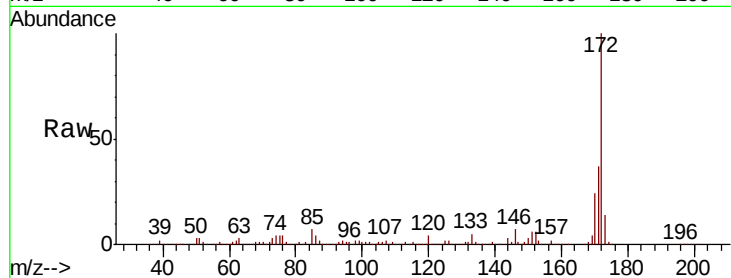




#45  
2-Fluorobiphenyl  
Concen: 82.839 ng  
RT: 9.09 min Scan# 1191  
Delta R.T. -0.02 min  
Lab File: BF119146.D  
Acq: 28 Feb 2020 22:49

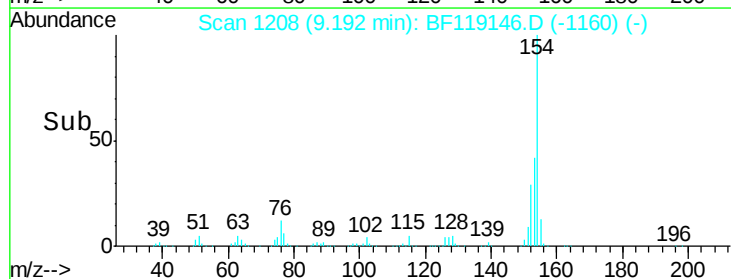
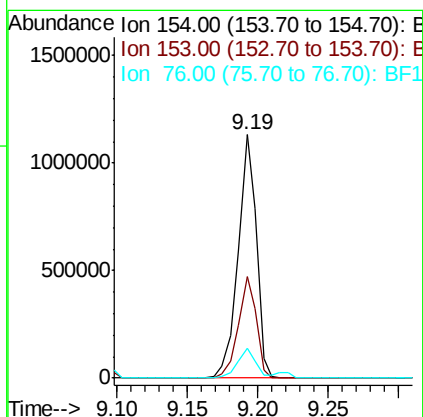
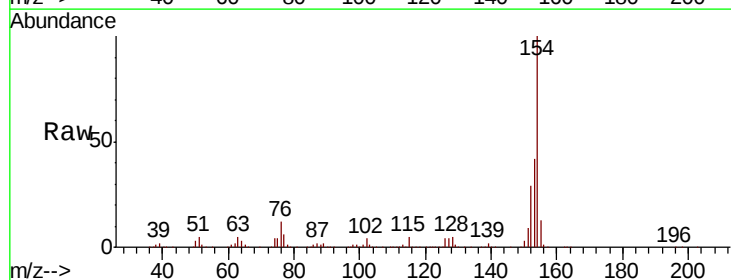
Instrument :  
BNA\_F  
ClientSampleId :  
HR-05-022620MS

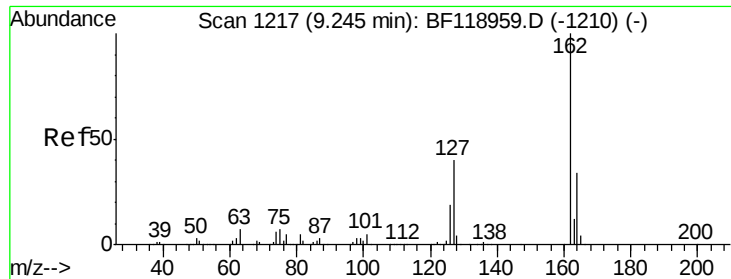
Tot Ion:172 Resp: 1661660  
Ion Ratio Lower Upper  
172 100  
171 37.1 30.6 45.8  
170 24.3 20.2 30.2



#46  
1,1'-Biphenyl  
Concen: 42.625 ng  
RT: 9.19 min Scan# 1208  
Delta R.T. -0.02 min  
Lab File: BF119146.D  
Acq: 28 Feb 2020 22:49

Tgt Ion:154 Resp: 1018000  
Ion Ratio Lower Upper  
154 100  
153 41.5 22.8 62.8  
76 12.5 0.0 32.2

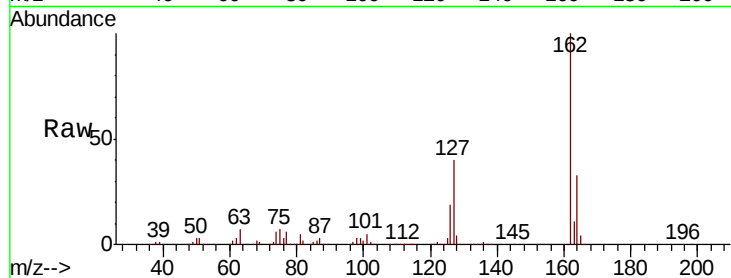




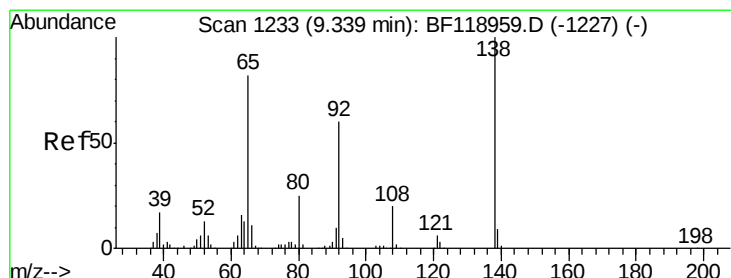
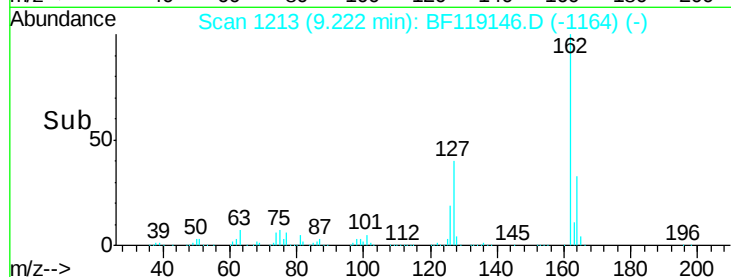
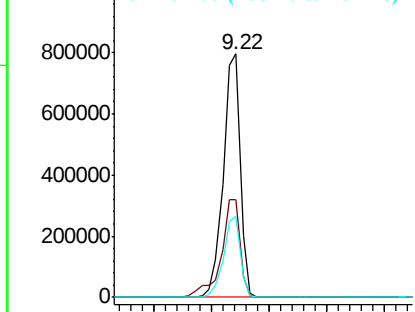
#47  
 2-Chloronaphthalene  
 Concen: 42.248 ng  
 RT: 9.22 min Scan# 1213  
 Delta R.T. -0.01 min  
 Lab File: BF119146.D  
 Acq: 28 Feb 2020 22:49

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HR-05-022620MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 40.3  | 35.0  | 52.4  |
| 164     | 33.4  | 27.2  | 40.8  |

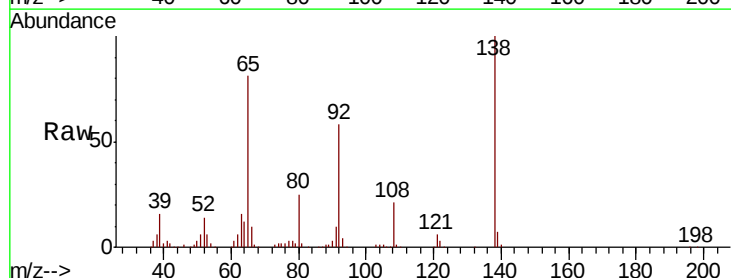


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 127.00 (126.70 to 127.70): E  
 Ion 164.00 (163.70 to 164.70): E

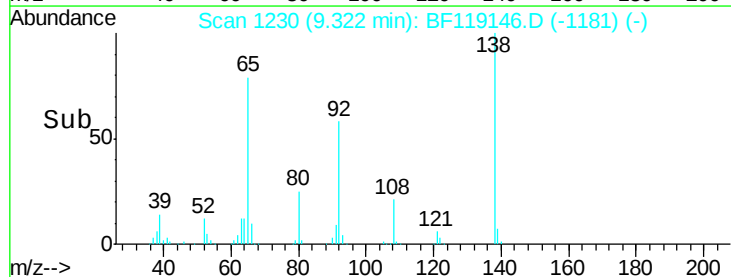
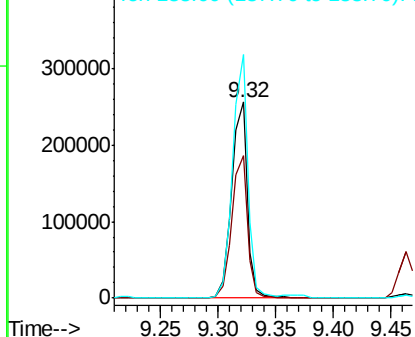


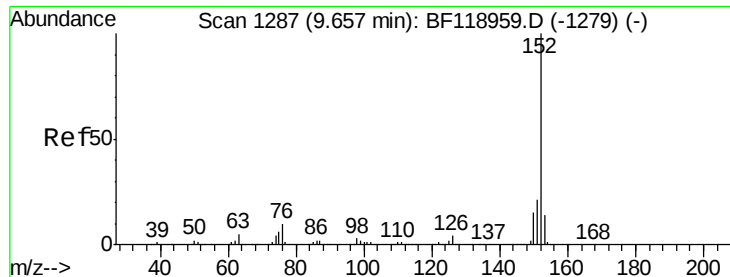
#48  
 2-Nitroaniline  
 Concen: 45.396 ng  
 RT: 9.32 min Scan# 1230  
 Delta R.T. -0.01 min  
 Lab File: BF119146.D  
 Acq: 28 Feb 2020 22:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 72.5  | 58.2  | 87.2  |
| 138     | 124.1 | 95.6  | 143.4 |



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: 45.480 ng

RT: 9.63 min Scan# 1283

Delta R.T. -0.01 min

Lab File: BF119146.D

Acq: 28 Feb 2020 22:49

Instrument :

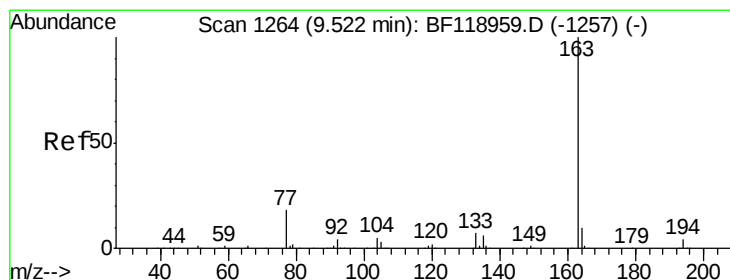
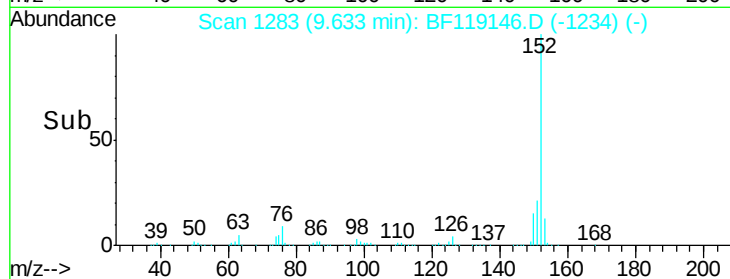
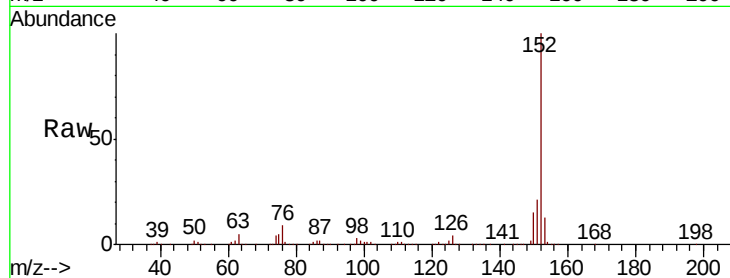
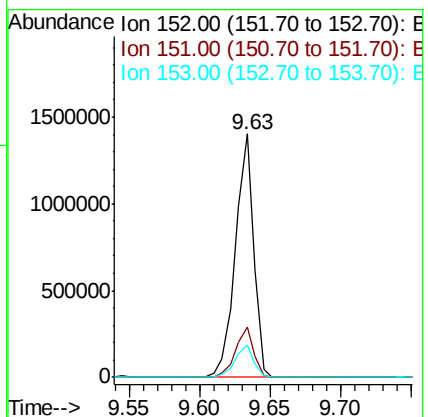
BNA\_F

ClientSampleId :

HR-05-022620MS

Tot Ion:152 Resp: 1264197

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 151 | 20.9  | 16.9  | 25.3  |
| 153 | 13.4  | 11.0  | 16.6  |



#50

Dimethylphthalate

Concen: 44.128 ng

RT: 9.50 min Scan# 1260

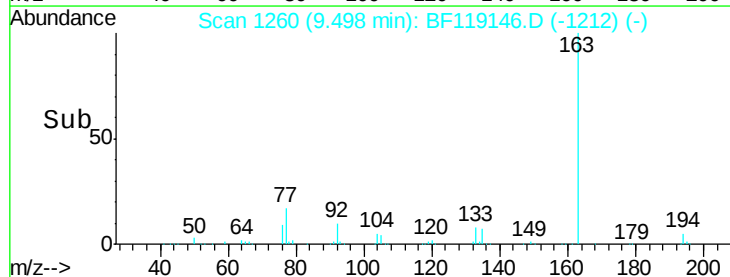
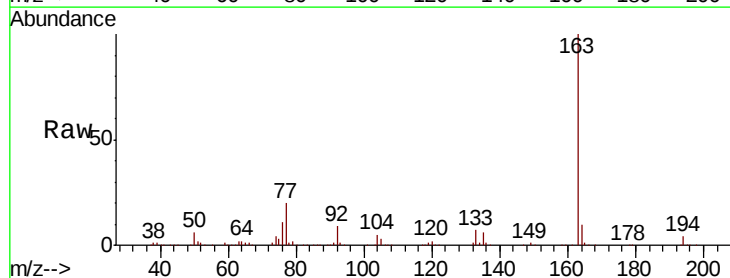
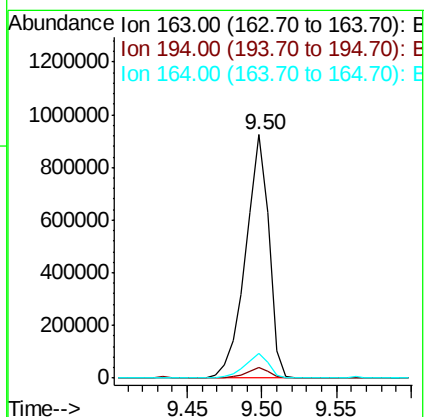
Delta R.T. -0.02 min

Lab File: BF119146.D

Acq: 28 Feb 2020 22:49

Tgt Ion:163 Resp: 997132

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 163 | 100   |       |       |
| 194 | 4.2   | 3.5   | 5.3   |
| 164 | 10.2  | 8.4   | 12.6  |





#51

2,6-Dinitrotoluene

Concen: 45.530 ng

RT: 9.56 min Scan# 1271

Delta R.T. -0.02 min

Lab File: BF119146.D

Acq: 28 Feb 2020 22:49

Instrument :

BNA\_F

ClientSampleId :

HR-05-022620MS

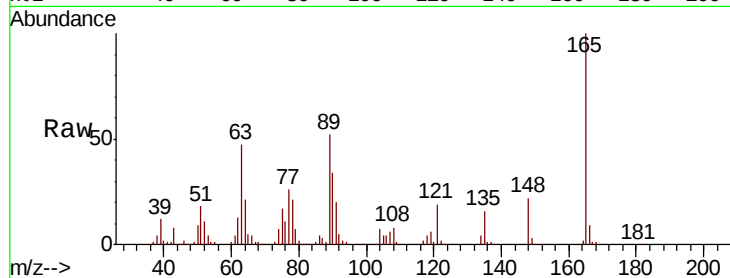
Tot Ion:165 Resp: 228576

Ion Ratio Lower Upper

165 100

63 47.0 34.3 51.5

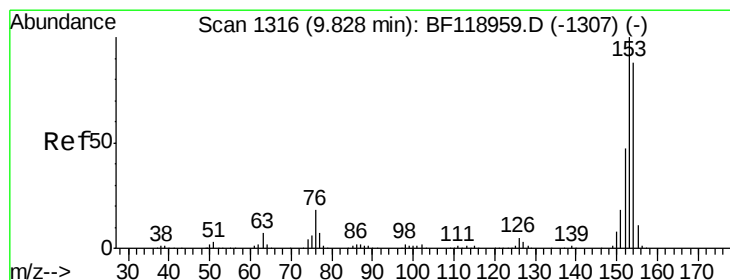
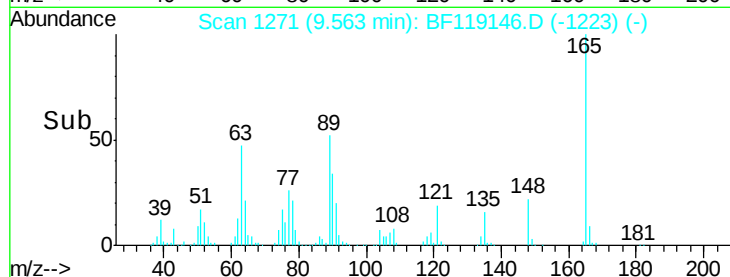
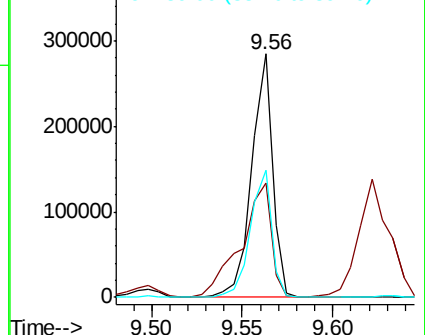
89 52.4 38.3 57.5



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#52

Acenaphthene

Concen: 44.767 ng

RT: 9.80 min Scan# 1312

Delta R.T. -0.02 min

Lab File: BF119146.D

Acq: 28 Feb 2020 22:49

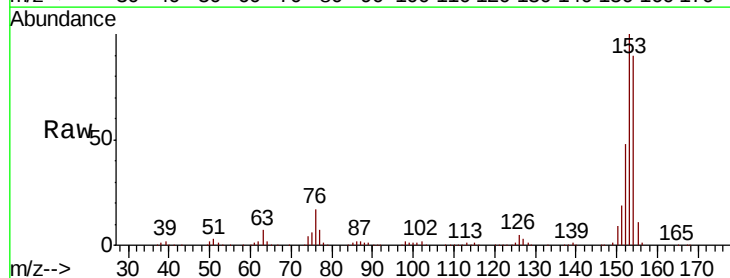
Tgt Ion:154 Resp: 750336

Ion Ratio Lower Upper

154 100

153 111.4 90.3 135.5

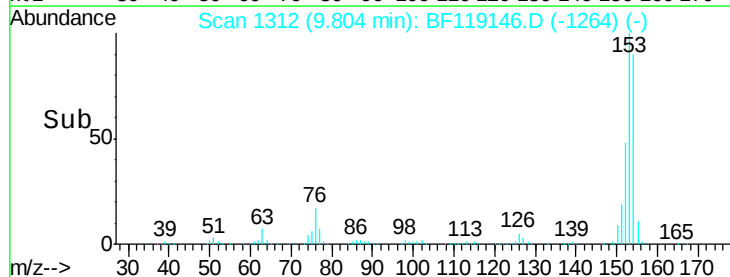
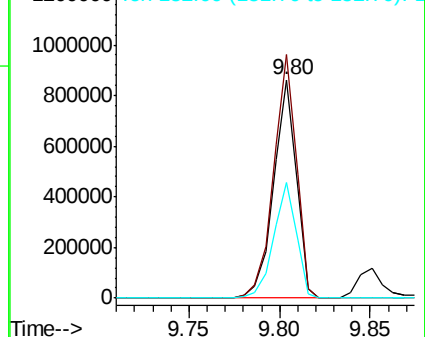
152 53.2 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

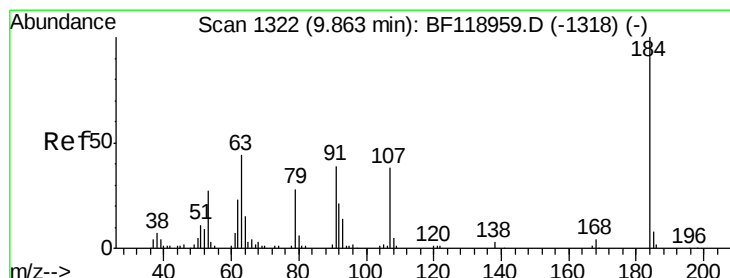
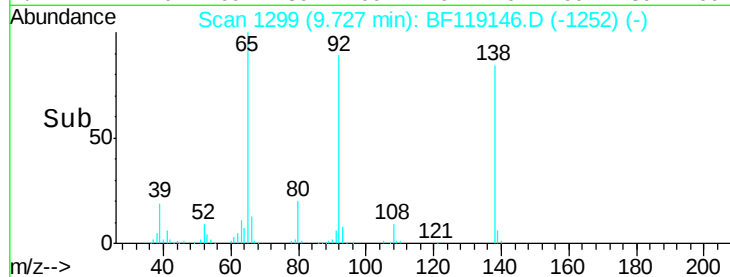
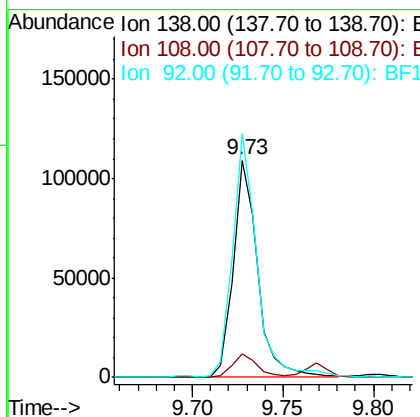
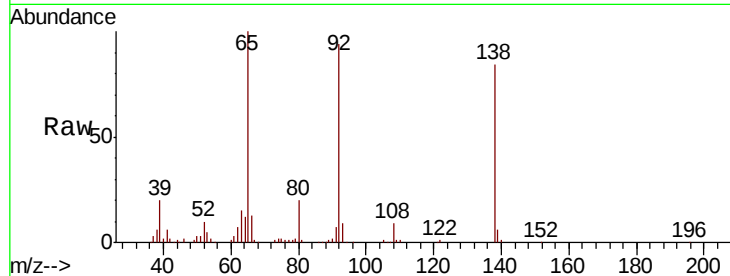




#53  
3-Nitroaniline  
Concen: 18.501 ng  
RT: 9.73 min Scan# 1299  
Delta R.T. -0.02 min  
Lab File: BF119146.D  
Acq: 28 Feb 2020 22:49

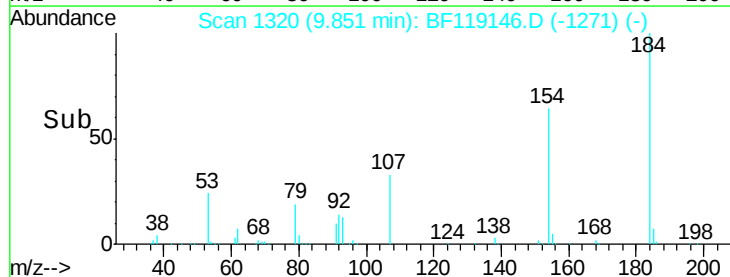
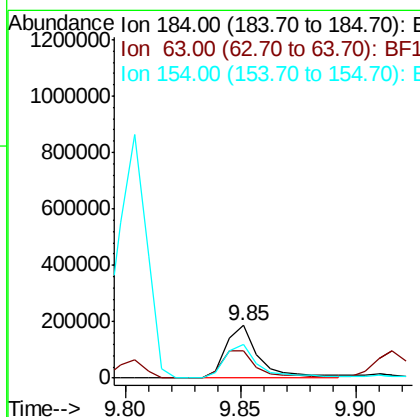
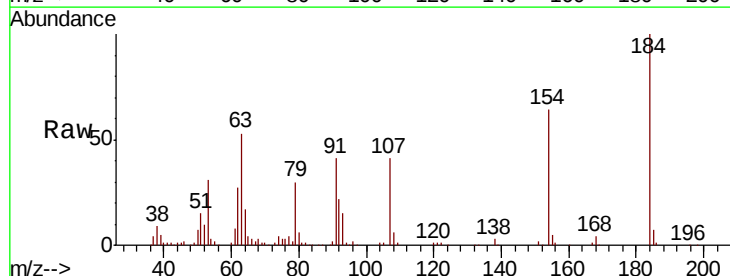
Instrument :  
BNA\_F  
ClientSampleId :  
HR-05-022620MS

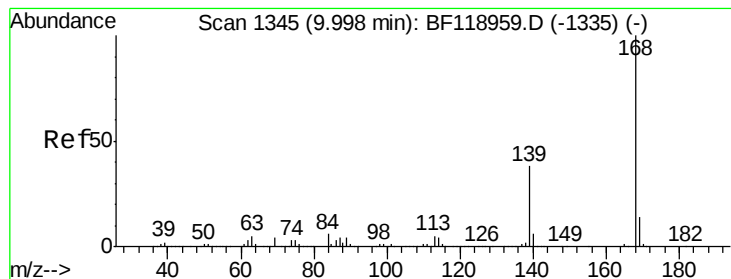
Tot Ion:138 Resp: 102972  
Ion Ratio Lower Upper  
138 100  
108 10.9 8.8 13.2  
92 112.1 84.8 127.2



#54  
2,4-Dinitrophenol  
Concen: 77.687 ng  
RT: 9.85 min Scan# 1320  
Delta R.T. -0.01 min  
Lab File: BF119146.D  
Acq: 28 Feb 2020 22:49

Tgt Ion:184 Resp: 188974  
Ion Ratio Lower Upper  
184 100  
63 52.6 38.7 58.1  
154 64.3 49.7 74.5





#55

Dibenzofuran

Concen: 44.926 ng

RT: 9.97 min Scan# 1341

Delta R.T. -0.02 min

Lab File: BF119146.D

Acq: 28 Feb 2020 22:49

Instrument :

BNA\_F

ClientSampleId :

HR-05-022620MS

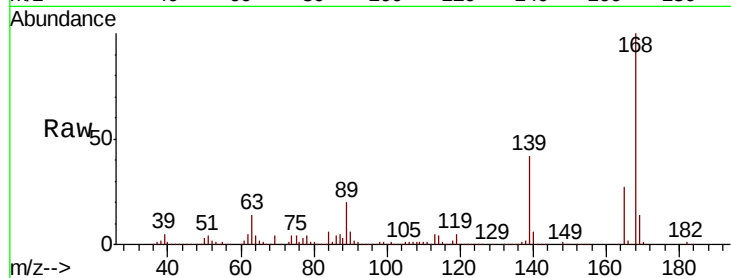
Tot Ion:168 Resp: 1123936

Ion Ratio Lower Upper

168 100

139 42.4 34.0 51.0

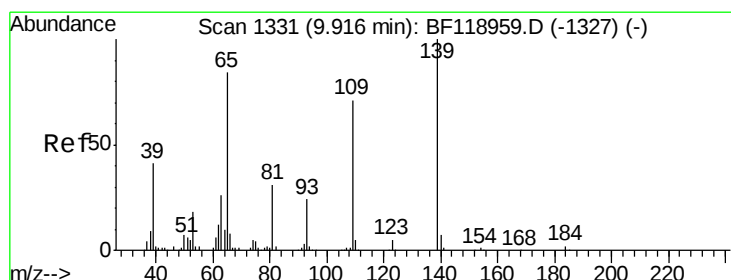
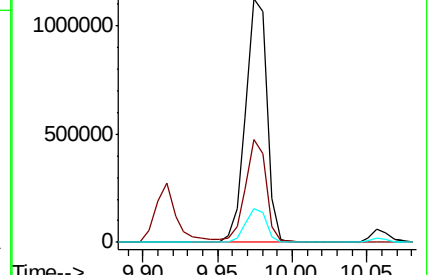
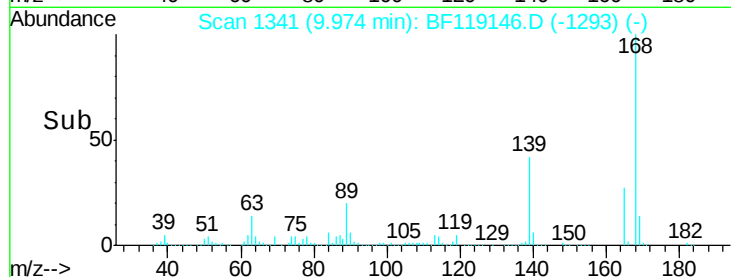
169 13.6 11.0 16.4



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: 80.691 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF119146.D

Acq: 28 Feb 2020 22:49

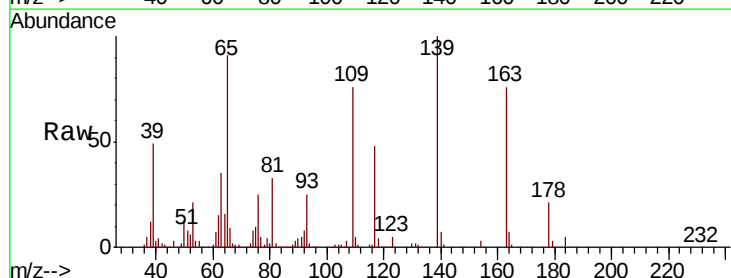
Tgt Ion:139 Resp: 269825

Ion Ratio Lower Upper

139 100

109 75.7 56.7 96.7

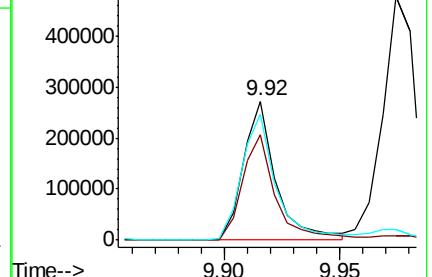
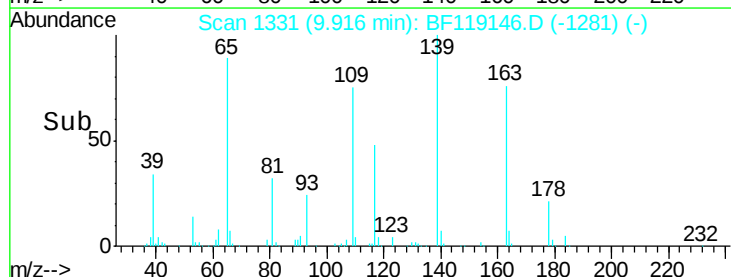
65 90.9 65.0 105.0

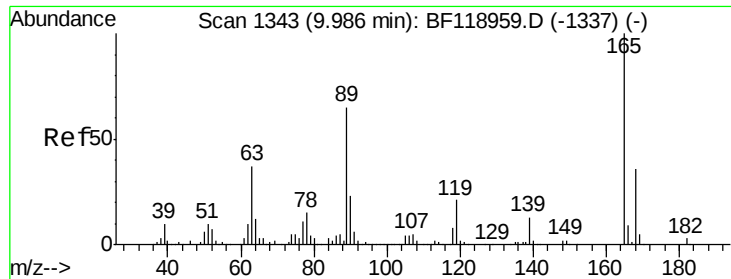


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

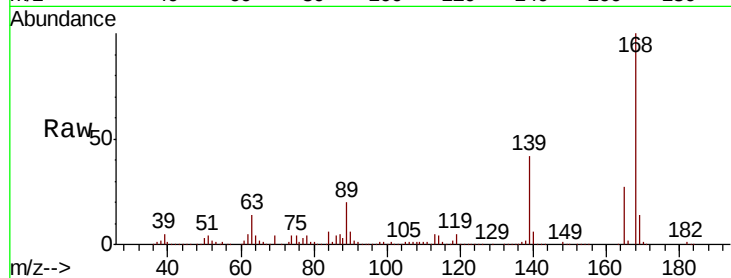




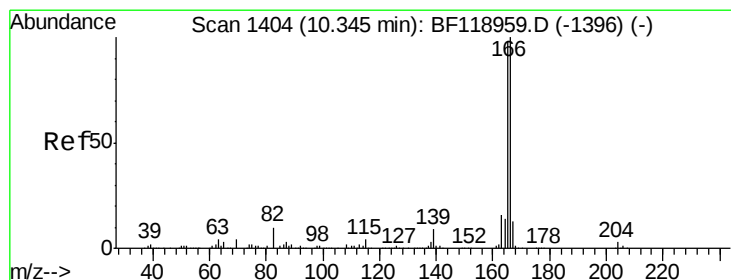
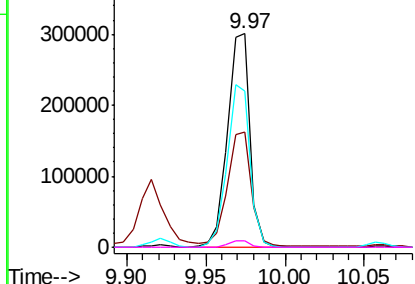
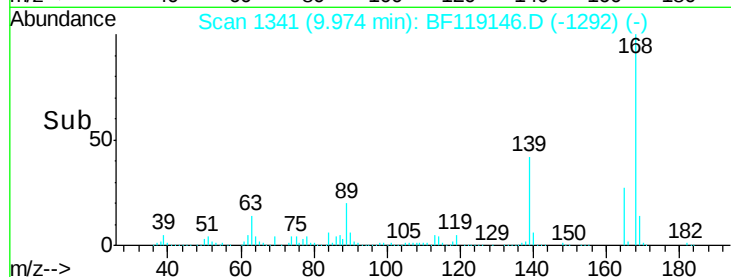
#57  
2,4-Dinitrotoluene  
Concen: 45.451 ng  
RT: 9.97 min Scan# 1341  
Delta R.T. -0.01 min  
Lab File: BF119146.D  
Acq: 28 Feb 2020 22:49

Instrument :  
BNA\_F  
ClientSampleId :  
HR-05-022620MS

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:165 | Resp: | 295758    |
| Ion Ratio   | Lower | Upper     |
| 165         | 100   |           |
| 63          | 53.7  | 42.3 63.5 |
| 89          | 73.3  | 60.2 90.4 |
| 182         | 3.1   | 2.3 3.5   |

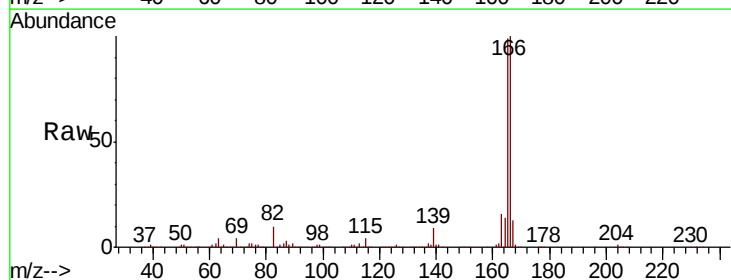


Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 89.00 (88.70 to 89.70): BF1  
Ion 182.00 (181.70 to 182.70): E

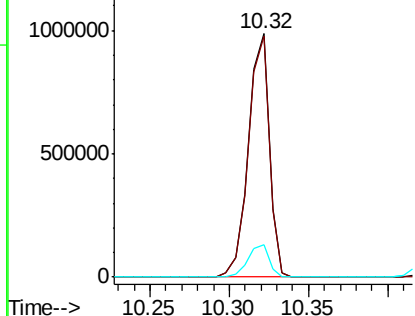
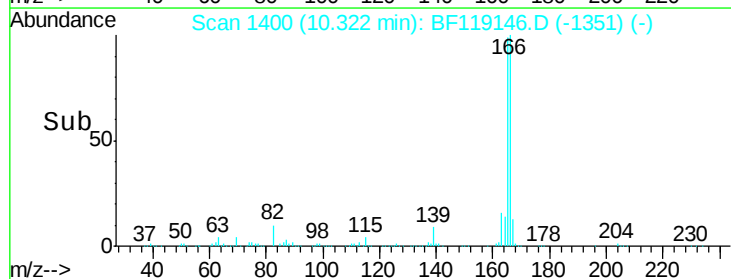


#58  
Fluorene  
Concen: 46.578 ng  
RT: 10.32 min Scan# 1400  
Delta R.T. -0.01 min  
Lab File: BF119146.D  
Acq: 28 Feb 2020 22:49

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:166 | Resp: | 905478     |
| Ion Ratio   | Lower | Upper      |
| 166         | 100   |            |
| 165         | 99.1  | 78.5 117.7 |
| 167         | 13.3  | 11.0 16.4  |



Abundance Ion 166.00 (165.70 to 166.70): E  
Ion 165.00 (164.70 to 165.70): E  
Ion 167.00 (166.70 to 167.70): E

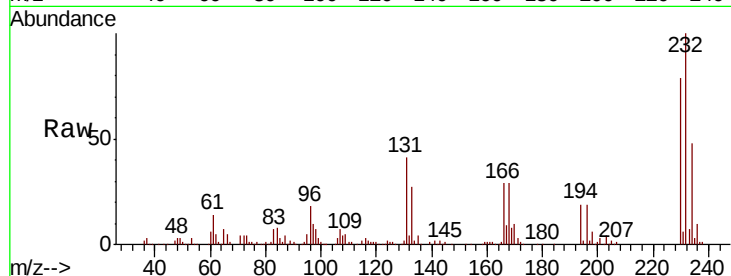




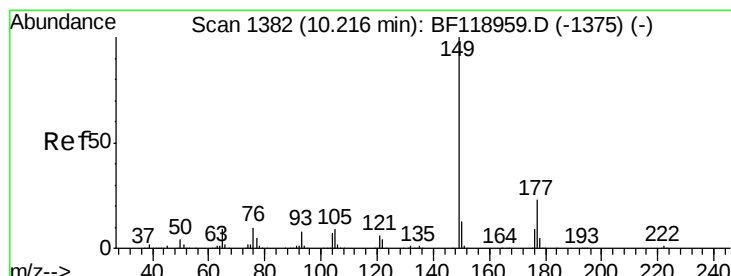
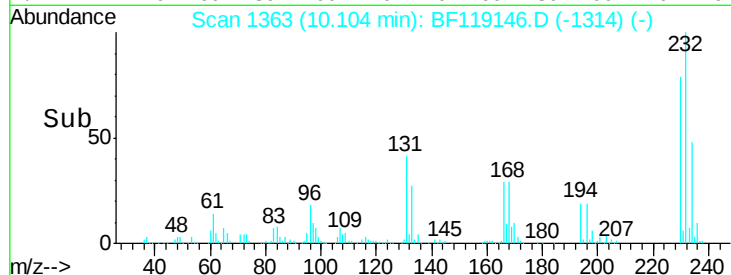
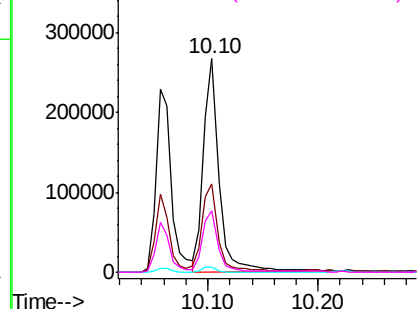
#59  
2,3,4,6-Tetrachlorophenol  
Concen: 45.412 ng  
RT: 10.10 min Scan# 1363  
Delta R.T. -0.01 min  
Lab File: BF119146.D  
Acq: 28 Feb 2020 22:49

Instrument :  
BNA\_F  
ClientSampleId :  
HR-05-022620MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 42.7  | 33.8  | 50.8  |
| 130     | 2.4   | 1.8   | 2.6   |
| 166     | 29.6  | 23.0  | 34.4  |

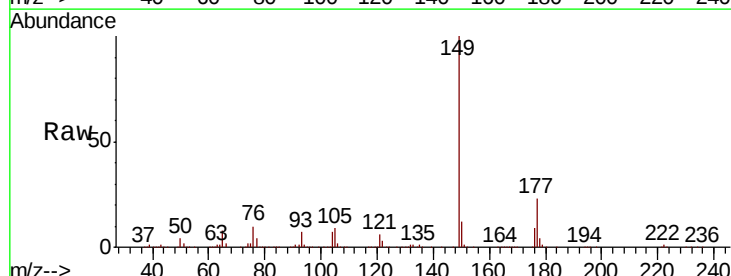


Abundance Ion 232.00 (231.70 to 232.70): E  
Ion 131.00 (130.70 to 131.70): E  
Ion 130.00 (129.70 to 130.70): E  
Ion 166.00 (165.70 to 166.70): E

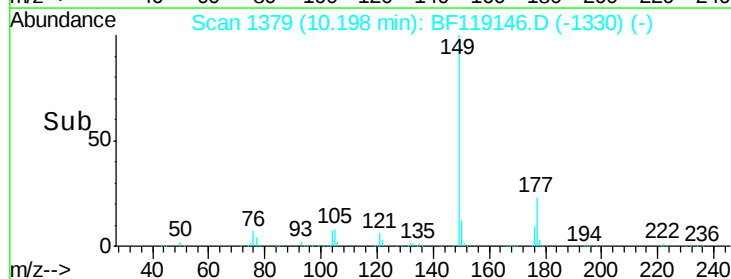
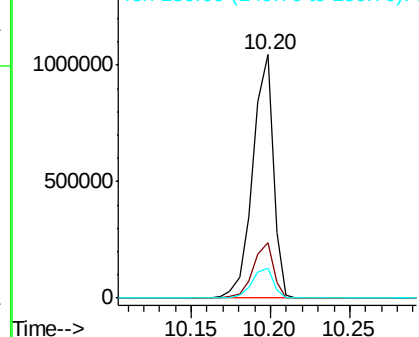


#60  
Diethylphthalate  
Concen: 44.120 ng  
RT: 10.20 min Scan# 1379  
Delta R.T. -0.01 min  
Lab File: BF119146.D  
Acq: 28 Feb 2020 22:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 22.6  | 18.2  | 27.2  |
| 150     | 12.5  | 10.5  | 15.7  |



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

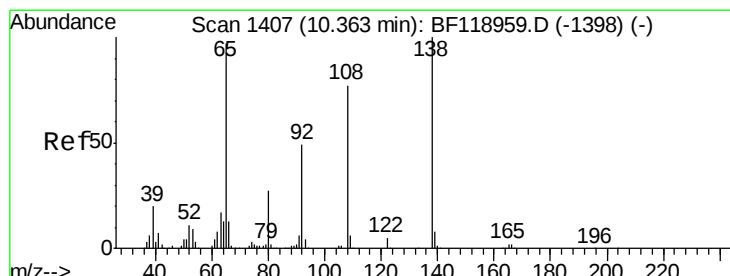
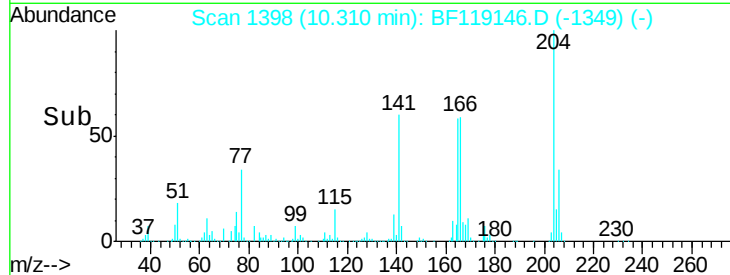
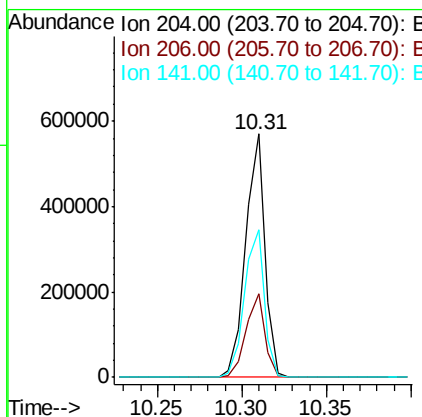
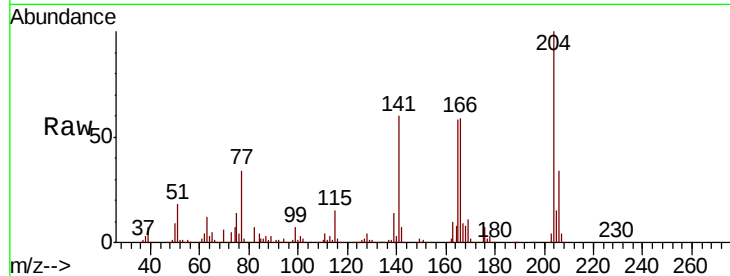




#61  
 4-Chlorophenyl-phenylether  
 Concen: 44.450 ng  
 RT: 10.31 min Scan# 1398  
 Delta R.T. -0.01 min  
 Lab File: BF119146.D  
 Acq: 28 Feb 2020 22:49

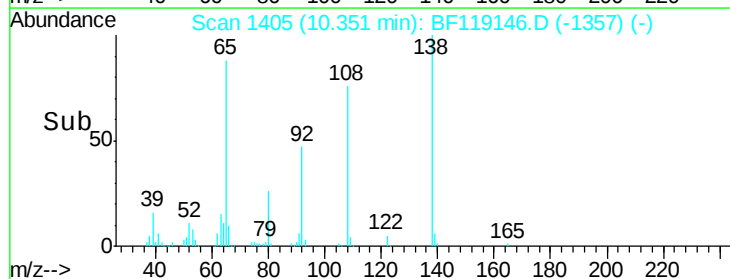
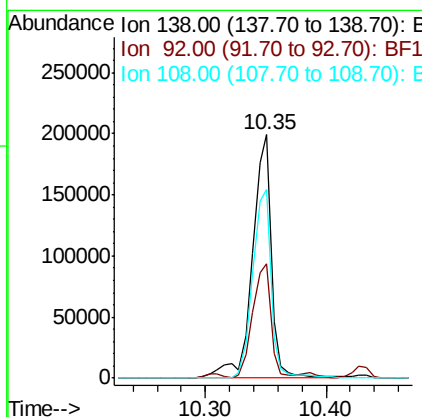
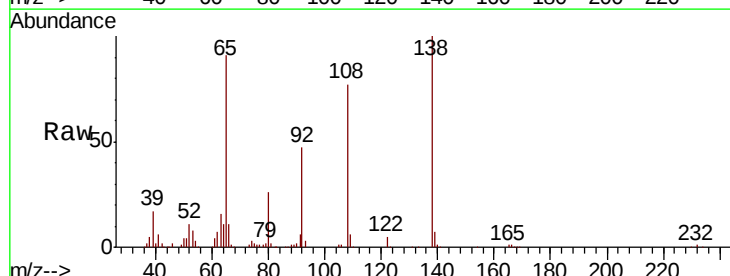
Instrument :  
 BNA\_F  
 ClientSampleId :  
 HR-05-022620MS

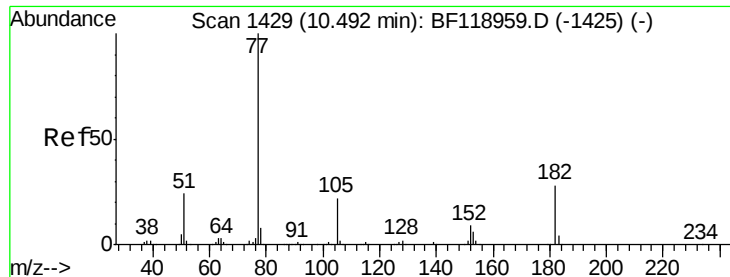
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 204   | Resp: | 457386 |
| Ion      | Ratio | Lower | Upper  |
| 204      | 100   |       |        |
| 206      | 34.2  | 27.1  | 40.7   |
| 141      | 60.4  | 52.9  | 79.3   |



#62  
 4-Nitroaniline  
 Concen: 38.710 ng  
 RT: 10.35 min Scan# 1405  
 Delta R.T. -0.02 min  
 Lab File: BF119146.D  
 Acq: 28 Feb 2020 22:49

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 138   | Resp: | 220425 |
| Ion      | Ratio | Lower | Upper  |
| 138      | 100   |       |        |
| 92       | 47.2  | 27.3  | 67.3   |
| 108      | 77.4  | 57.0  | 97.0   |





#63

Azobenzene

Concen: 46.032 ng

RT: 10.47 min Scan# 1425

Delta R.T. -0.02 min

Lab File: BF119146.D

Acq: 28 Feb 2020 22:49

Instrument :

BNA\_F

ClientSampleId :

HR-05-022620MS

Tot Ion: 77 Resp: 852034

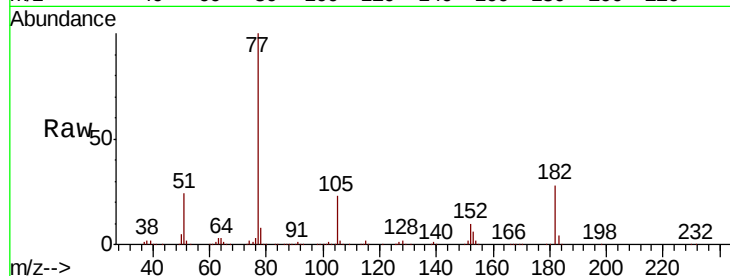
Ion Ratio Lower Upper

77 100

182 28.2 11.4 51.4

105 22.7 3.4 43.4

51 24.2 5.1 45.1

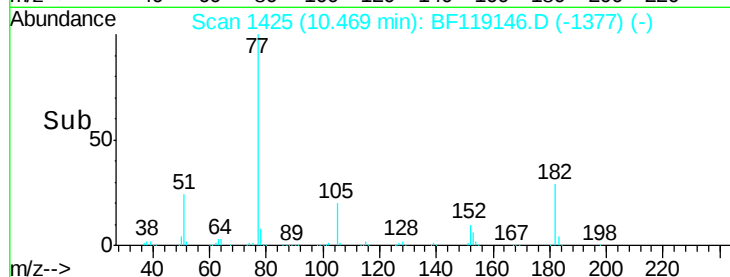


Abundance Ion 77.00 (76.70 to 77.70): BF1

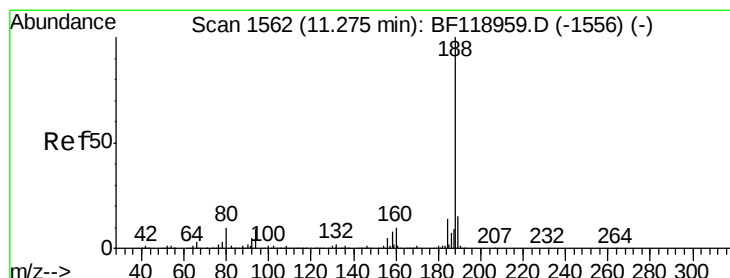
Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



Time--> 10.40 10.45 10.50 10.55



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.25 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BF119146.D

Acq: 28 Feb 2020 22:49

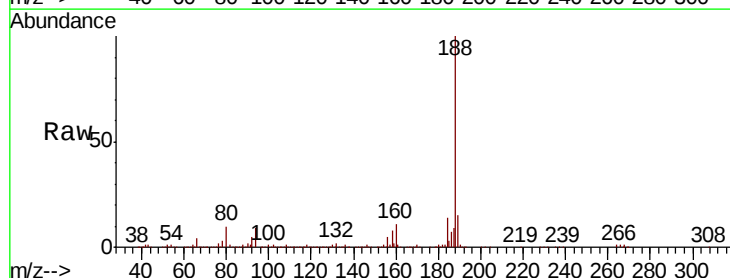
Tgt Ion: 188 Resp: 544869

Ion Ratio Lower Upper

188 100

94 8.8 7.1 10.7

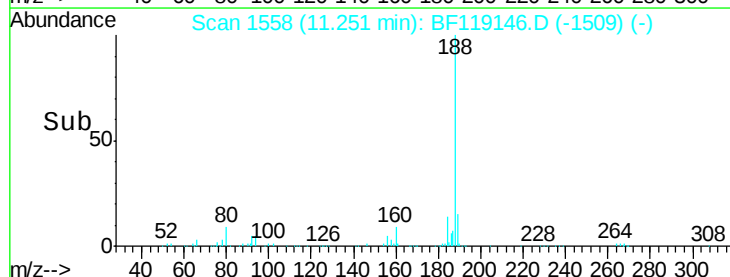
80 9.6 7.8 11.8



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



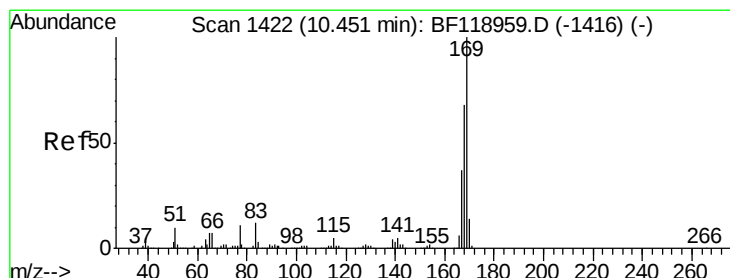
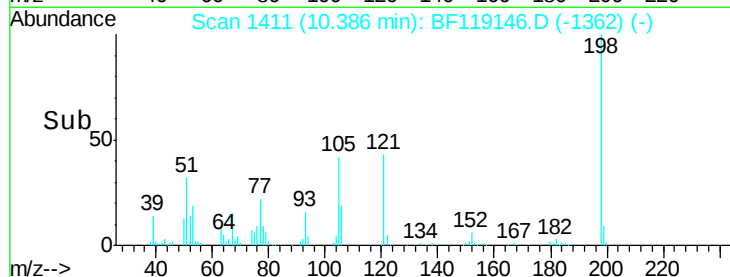
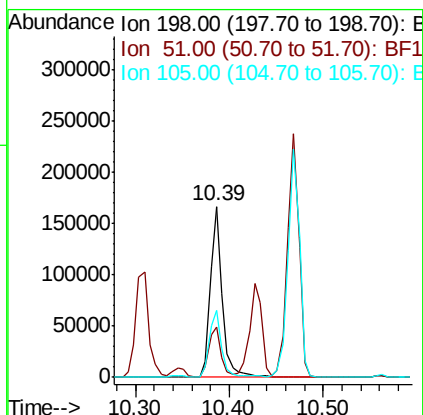
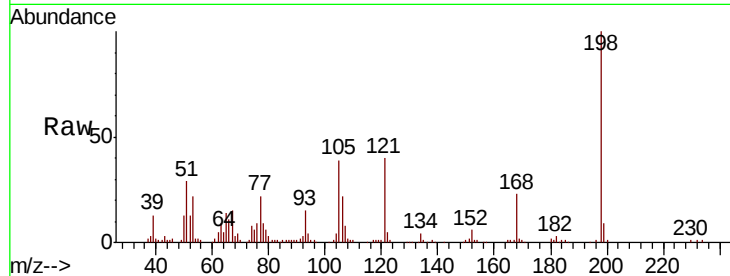
Time--> 11.20 11.25 11.30



#65  
4,6-Dinitro-2-methylphenol  
Concen: 45.808 ng  
RT: 10.39 min Scan# 1411  
Delta R.T. -0.01 min  
Lab File: BF119146.D  
Acq: 28 Feb 2020 22:49

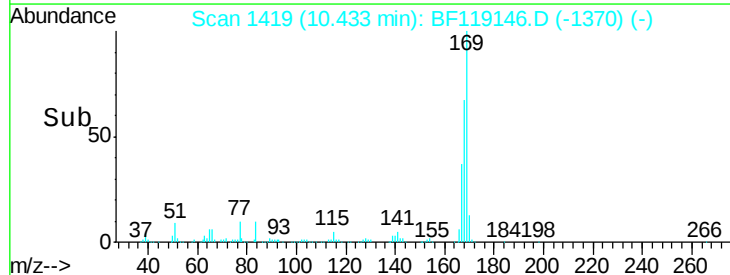
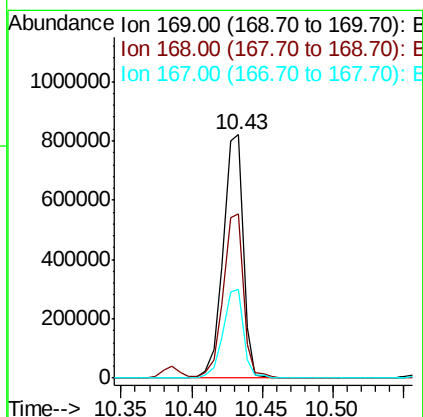
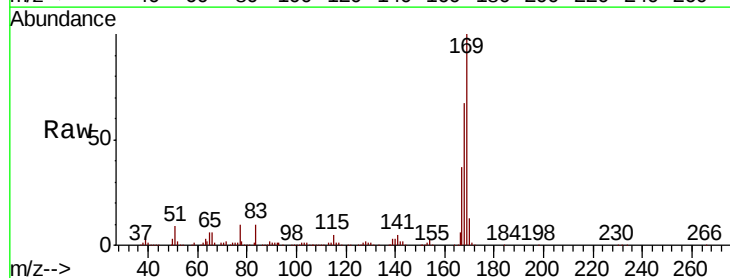
Instrument :  
BNA\_F  
ClientSampleId :  
HR-05-022620MS

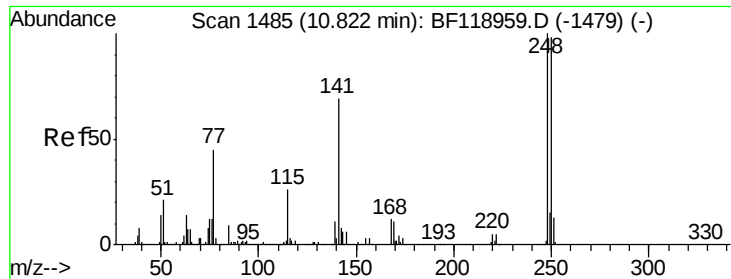
Tot Ion:198 Resp: 151031  
Ion Ratio Lower Upper  
198 100  
51 29.5 14.2 54.2  
105 39.2 22.7 62.7



#66  
n-Nitrosodiphenylamine  
Concen: 45.636 ng  
RT: 10.43 min Scan# 1419  
Delta R.T. -0.01 min  
Lab File: BF119146.D  
Acq: 28 Feb 2020 22:49

Tgt Ion:169 Resp: 814193  
Ion Ratio Lower Upper  
169 100  
168 67.3 54.1 81.1  
167 36.5 29.4 44.0

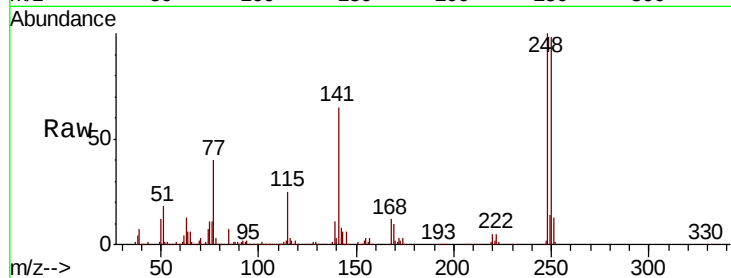




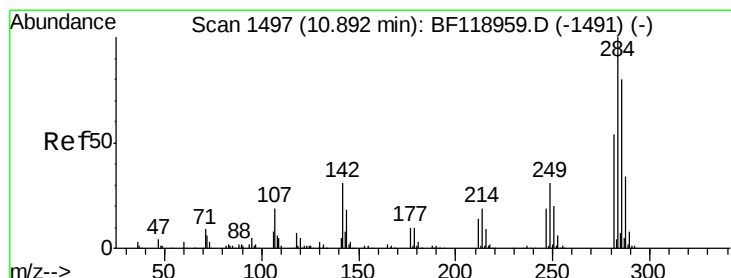
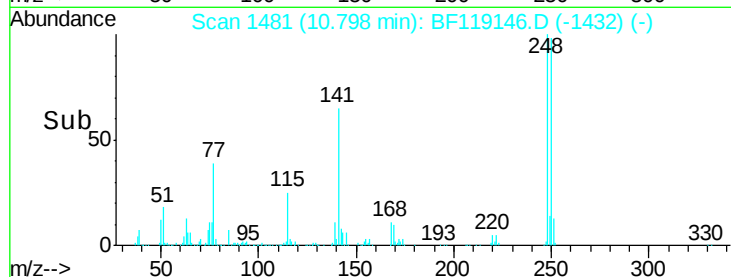
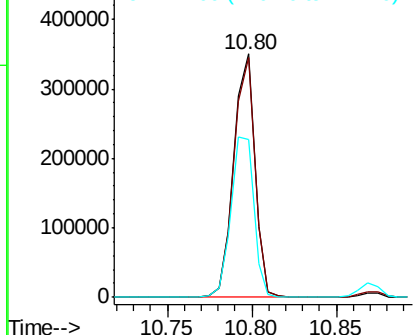
#67  
4-Bromophenyl-phenylether  
Concen: 42.817 ng  
RT: 10.80 min Scan# 1481  
Delta R.T. -0.01 min  
Lab File: BF119146.D  
Acq: 28 Feb 2020 22:49

Instrument :  
BNA\_F  
ClientSampleId :  
HR-05-022620MS

Tot Ion:248 Resp: 304951  
Ion Ratio Lower Upper  
248 100  
250 98.2 76.7 115.1  
141 65.0 60.7 91.1

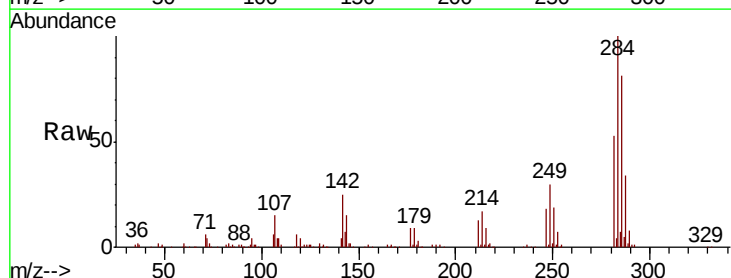


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

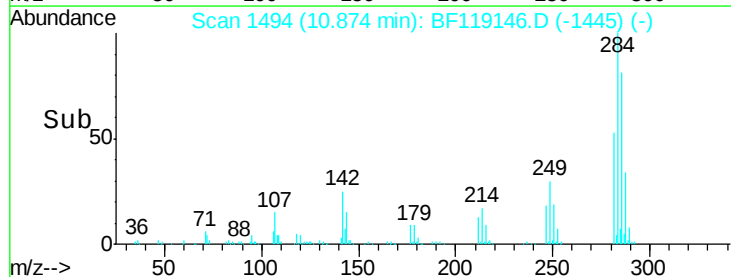
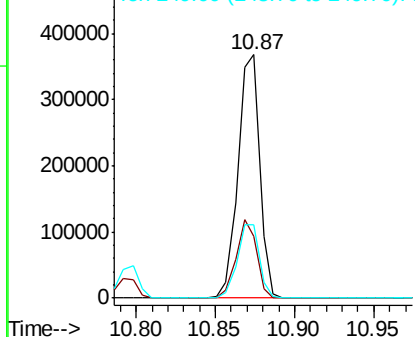


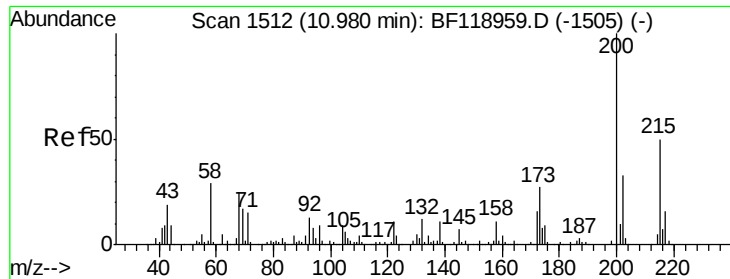
#68  
Hexachlorobenzene  
Concen: 42.641 ng  
RT: 10.87 min Scan# 1494  
Delta R.T. -0.01 min  
Lab File: BF119146.D  
Acq: 28 Feb 2020 22:49

Tgt Ion:284 Resp: 350146  
Ion Ratio Lower Upper  
284 100  
142 25.2 23.7 35.5  
249 30.0 25.0 37.6



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

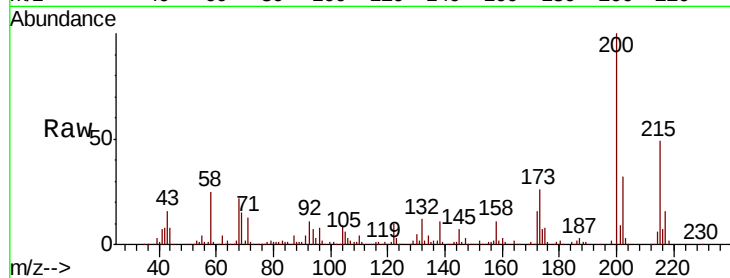




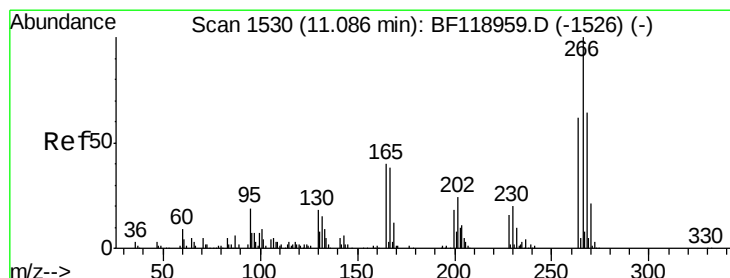
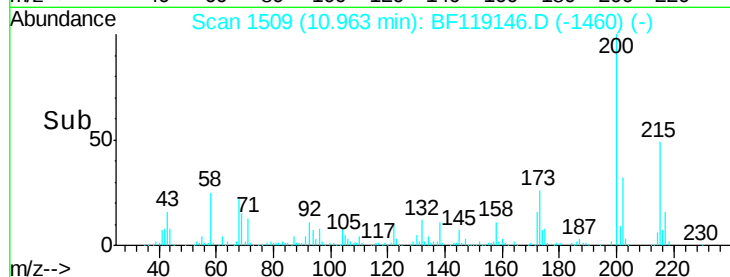
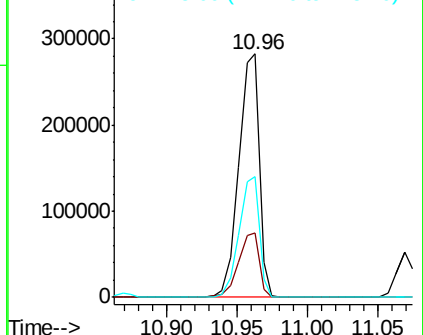
#69  
Atrazine  
Concen: 45.719 ng  
RT: 10.96 min Scan# 1509  
Delta R.T. -0.01 min  
Lab File: BF119146.D  
Acq: 28 Feb 2020 22:49

Instrument :  
BNA\_F  
ClientSampleId :  
HR-05-022620MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 26.4  | 6.4   | 46.4  |
| 215     | 49.4  | 27.4  | 67.4  |

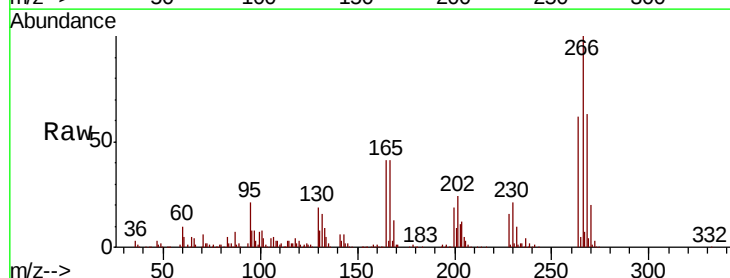


Abundance Ion 200.00 (199.70 to 200.70): E  
Ion 173.00 (172.70 to 173.70): E  
Ion 215.00 (214.70 to 215.70): E

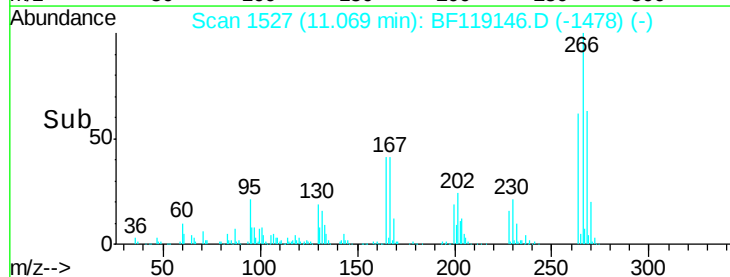
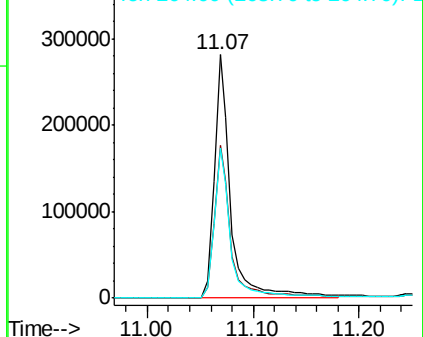


#70  
Pentachlorophenol  
Concen: 93.921 ng  
RT: 11.07 min Scan# 1527  
Delta R.T. -0.01 min  
Lab File: BF119146.D  
Acq: 28 Feb 2020 22:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 62.9  | 51.9  | 77.9  |
| 264     | 61.9  | 51.0  | 76.4  |



Abundance Ion 265.70 (265.40 to 266.40): E  
Ion 268.00 (267.70 to 268.70): E  
Ion 264.00 (263.70 to 264.70): E

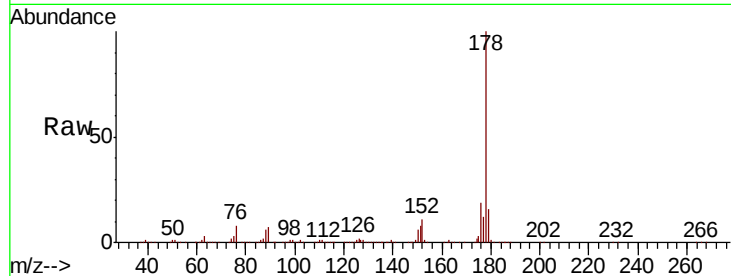




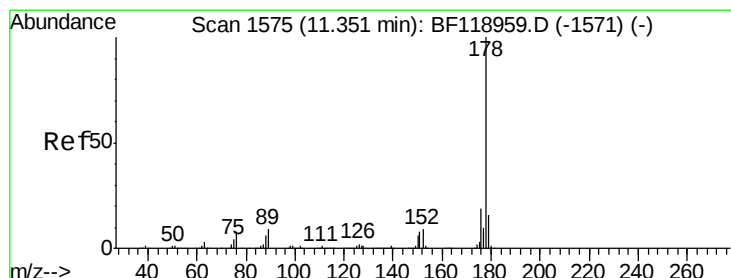
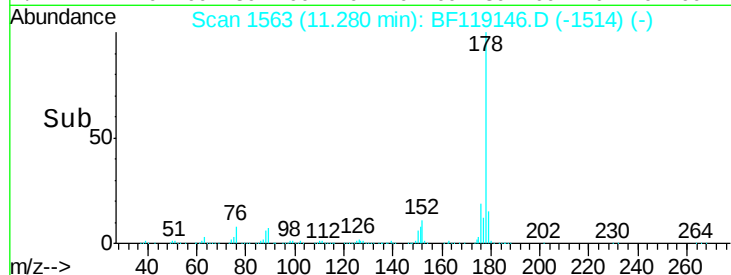
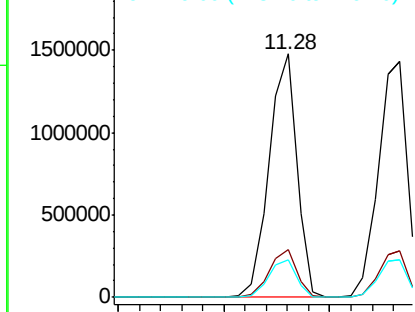
#71  
Phenanthrene  
Concen: 45.836 ng  
RT: 11.28 min Scan# 1563  
Delta R.T. -0.01 min  
Lab File: BF119146.D  
Acq: 28 Feb 2020 22:49

Instrument :  
BNA\_F  
ClientSampleId :  
HR-05-022620MS

Tot Ion:178 Resp: 1361983  
Ion Ratio Lower Upper  
178 100  
176 19.4 16.5 24.7  
179 15.6 13.0 19.6

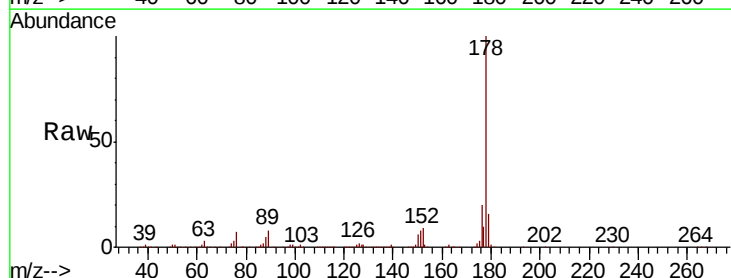


Abundance Ion 178.00 (177.70 to 178.70): E  
2000000 Ion 176.00 (175.70 to 176.70): E  
Ion 179.00 (178.70 to 179.70): E

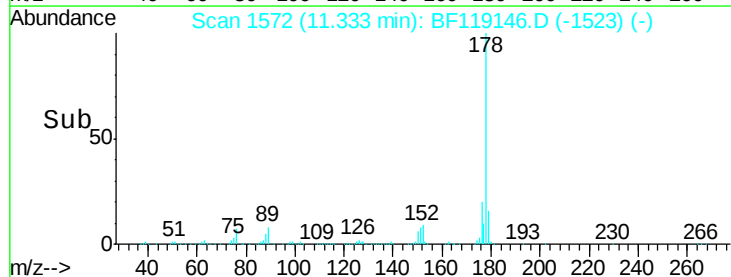
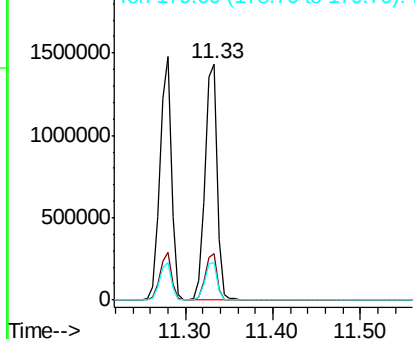


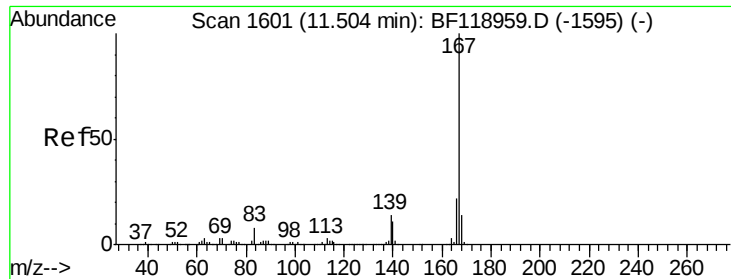
#72  
Anthracene  
Concen: 47.061 ng  
RT: 11.33 min Scan# 1572  
Delta R.T. -0.01 min  
Lab File: BF119146.D  
Acq: 28 Feb 2020 22:49

Tgt Ion:178 Resp: 1397231  
Ion Ratio Lower Upper  
178 100  
176 19.7 16.0 24.0  
179 15.7 13.1 19.7



Abundance Ion 178.00 (177.70 to 178.70): E  
2000000 Ion 176.00 (175.70 to 176.70): E  
Ion 179.00 (178.70 to 179.70): E

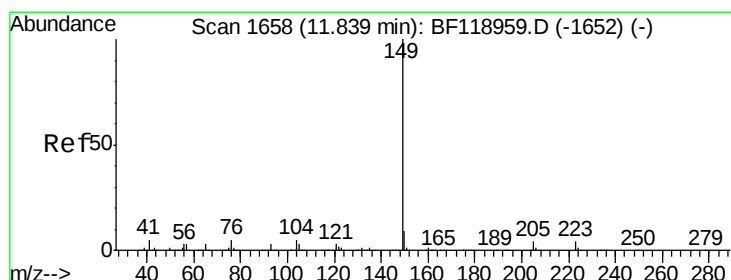
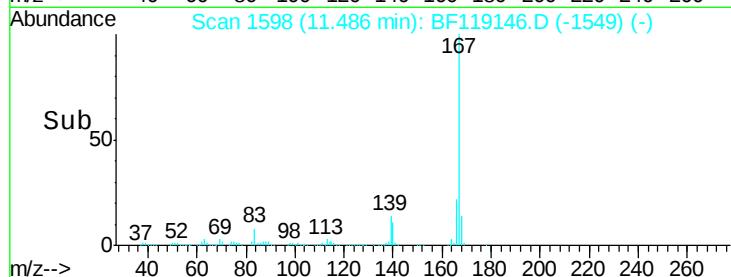
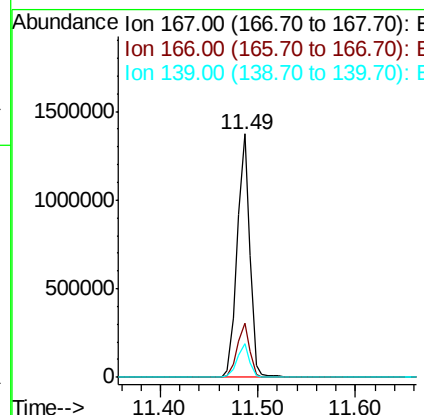
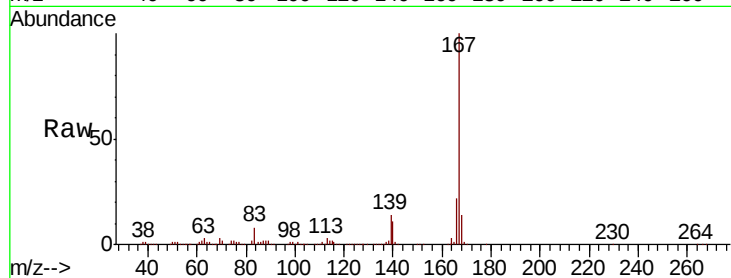




#73  
 Carbazole  
 Concen: 46.627 ng  
 RT: 11.49 min Scan# 1598  
 Delta R.T. -0.01 min  
 Lab File: BF119146.D  
 Acq: 28 Feb 2020 22:49

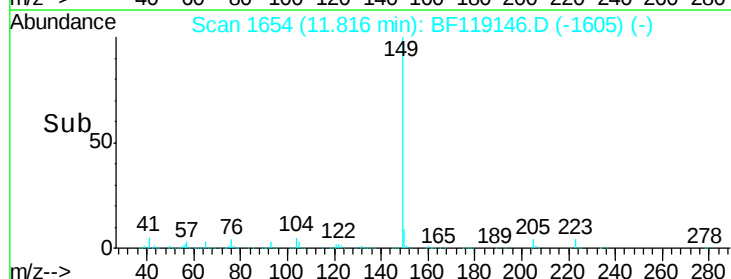
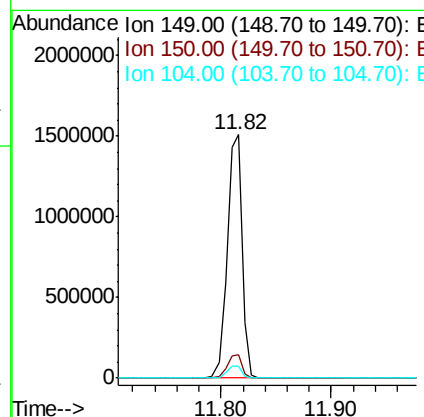
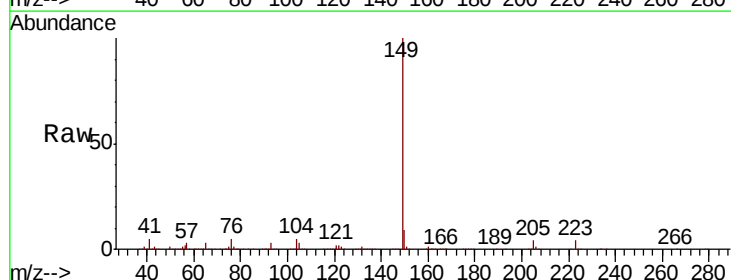
Instrument :  
 BNA\_F  
 ClientSampleId :  
 HR-05-022620MS

Tot Ion:167 Resp: 1233278  
 Ion Ratio Lower Upper  
 167 100  
 166 22.4 18.2 27.4  
 139 13.9 11.7 17.5



#74  
 Di-n-butylphthalate  
 Concen: 44.187 ng  
 RT: 11.82 min Scan# 1654  
 Delta R.T. -0.01 min  
 Lab File: BF119146.D  
 Acq: 28 Feb 2020 22:49

Tgt Ion:149 Resp: 1415368  
 Ion Ratio Lower Upper  
 149 100  
 150 9.4 7.9 11.9  
 104 4.8 4.6 6.8





#75

Fluoranthene

Concen: 43.503 ng

RT: 12.46 min Scan# 1764

Delta R.T. -0.02 min

Lab File: BF119146.D

Acq: 28 Feb 2020 22:49

Instrument :

BNA\_F

ClientSampleId :

HR-05-022620MS

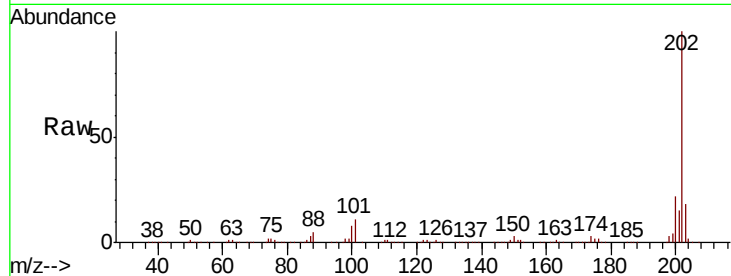
Tot Ion:202 Resp: 1372118

Ion Ratio Lower Upper

202 100

101 11.0 0.0 30.3

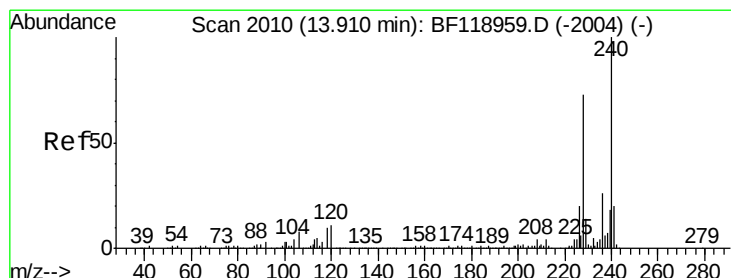
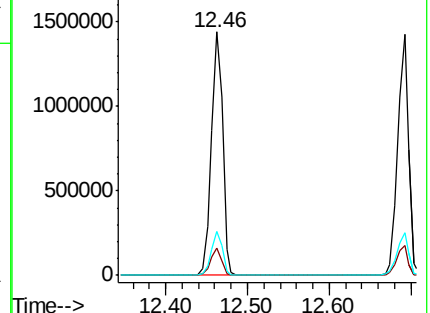
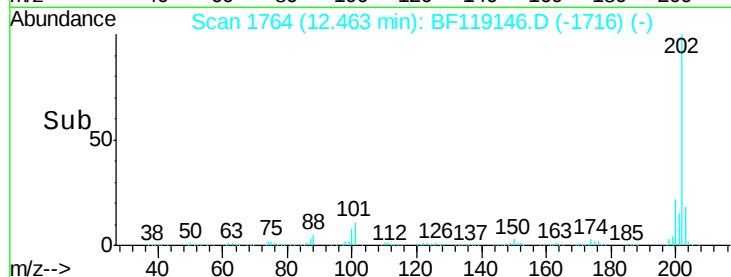
203 18.0 0.0 38.4



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: 13.89 min Scan# 2006

Delta R.T. -0.02 min

Lab File: BF119146.D

Acq: 28 Feb 2020 22:49

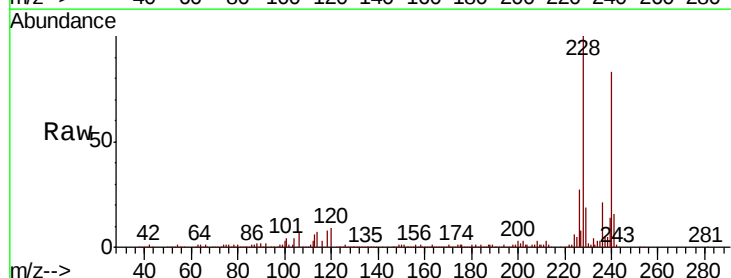
Tgt Ion:240 Resp: 331633

Ion Ratio Lower Upper

240 100

120 10.8 8.4 12.6

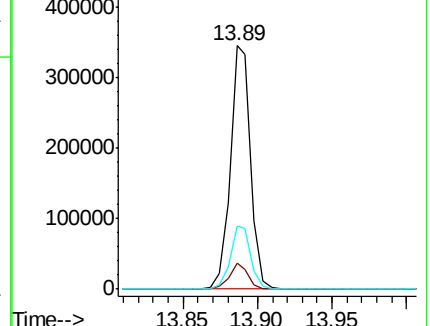
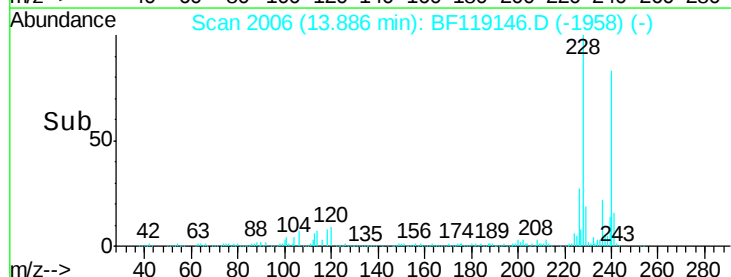
236 25.9 21.0 31.4

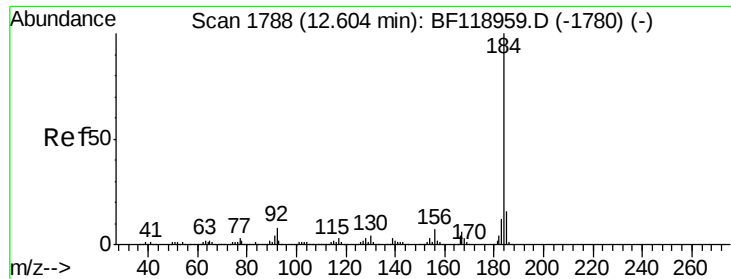


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 1.599 ng

RT: 12.59 min Scan# 1785

Delta R.T. -0.01 min

Lab File: BF119146.D

Acq: 28 Feb 2020 22:49

Instrument :

BNA\_F

ClientSampleId :

HR-05-022620MS

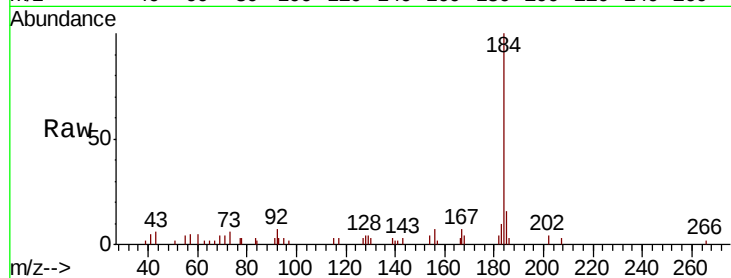
Tot Ion:184 Resp: 21564

Ion Ratio Lower Upper

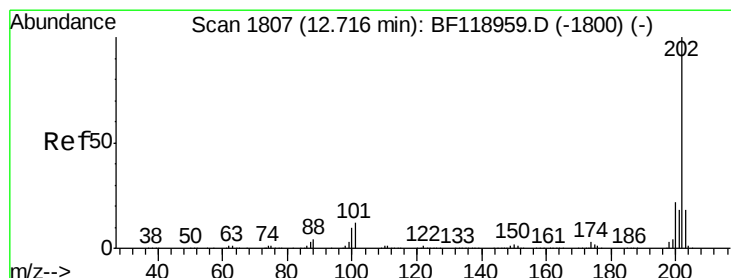
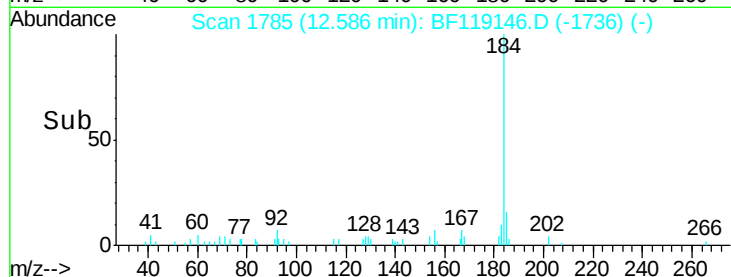
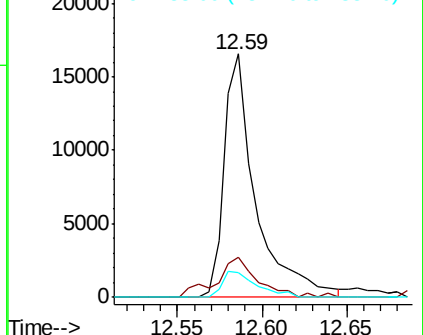
184 100

185 16.4 12.2 18.4

183 10.0 9.9 14.9



Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 185.00 (184.70 to 185.70): E  
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 50.438 ng

RT: 12.69 min Scan# 1803

Delta R.T. -0.02 min

Lab File: BF119146.D

Acq: 28 Feb 2020 22:49

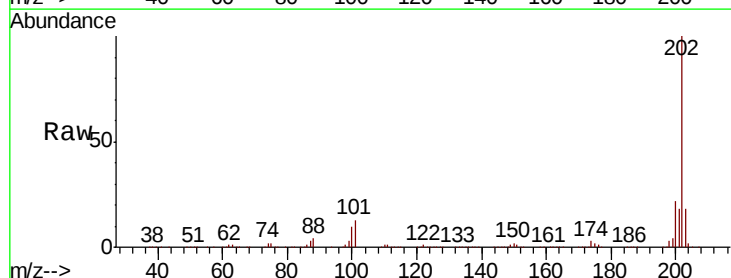
Tgt Ion:202 Resp: 1343148

Ion Ratio Lower Upper

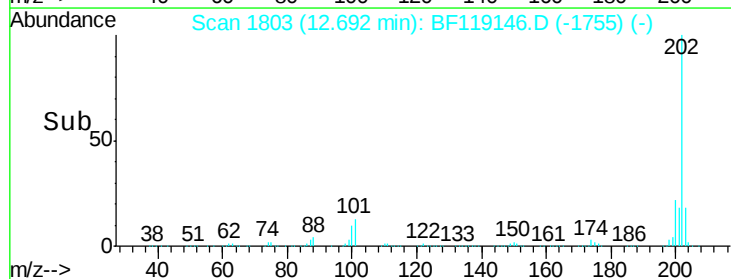
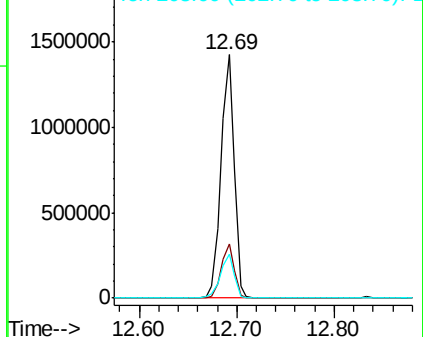
202 100

200 22.0 18.0 27.0

203 17.8 14.6 22.0



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: 103.871 ng

RT: 12.83 min Scan# 1827

Delta R.T. -0.02 min

Lab File: BF119146.D

Acq: 28 Feb 2020 22:49

Instrument :

BNA\_F

ClientSampleId :

HR-05-022620MS

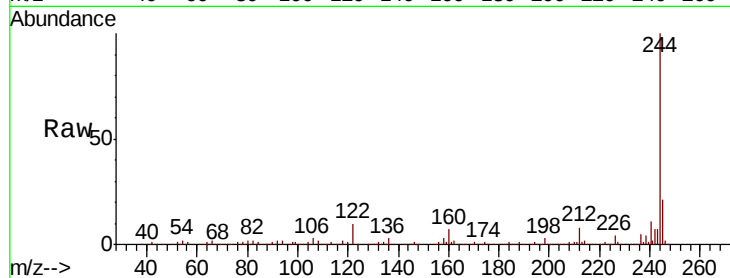
Tot Ion:244 Resp: 2000782

Ion Ratio Lower Upper

244 100

212 7.7 6.6 10.0

122 10.0 8.2 12.2



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

12.83

2000000

1500000

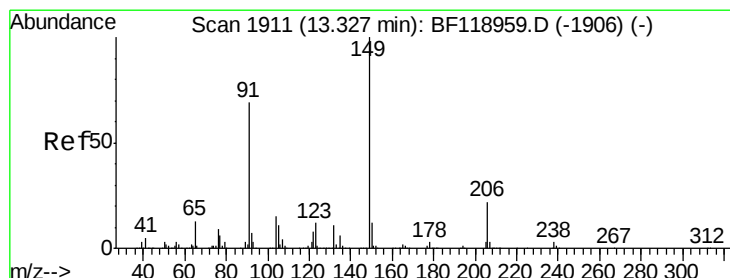
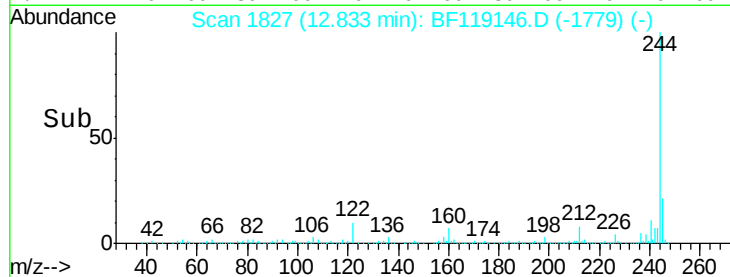
1000000

500000

0

12.80 12.90 13.00

Time-->



#80

Butylbenzylphthalate

Concen: 49.009 ng

RT: 13.30 min Scan# 1907

Delta R.T. -0.02 min

Lab File: BF119146.D

Acq: 28 Feb 2020 22:49

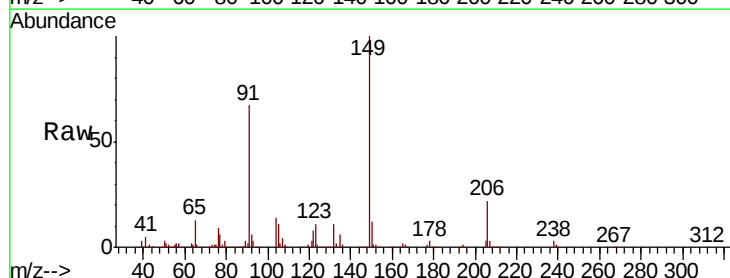
Tgt Ion:149 Resp: 549281

Ion Ratio Lower Upper

149 100

91 66.8 52.3 78.5

206 22.0 18.5 27.7



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E

800000

600000

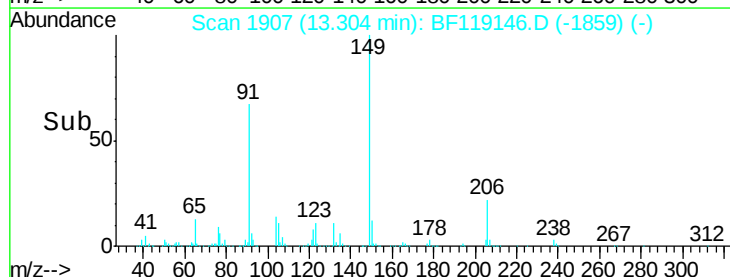
400000

200000

0

13.25 13.30 13.35

Time-->





#81

Benzo(a)anthracene

Concen: 46.199 ng

RT: 13.88 min Scan# 2005

Delta R.T. -0.01 min

Lab File: BF119146.D

Acq: 28 Feb 2020 22:49

Instrument :

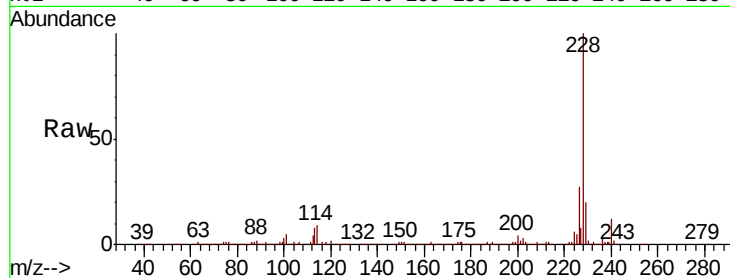
BNA\_F

ClientSampleId :

HR-05-022620MS

Tot Ion:228 Resp: 1043931

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 27.4  | 22.6  | 33.8  |
| 229 | 19.8  | 16.6  | 24.8  |

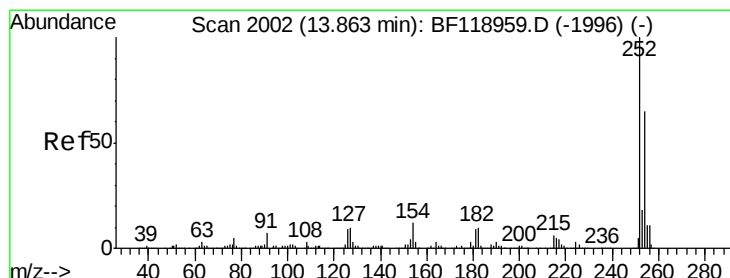
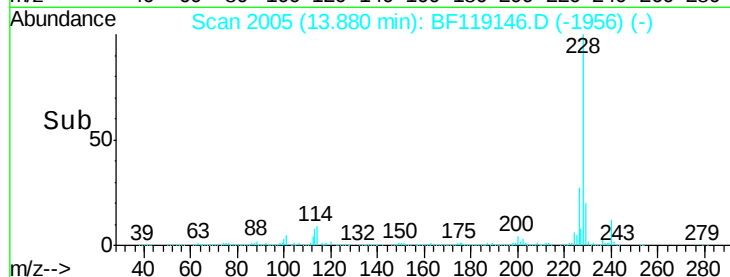
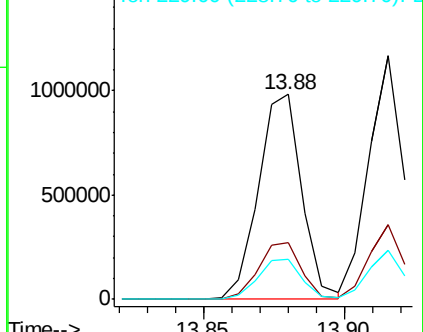


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 25.988 ng

RT: 13.83 min Scan# 1997

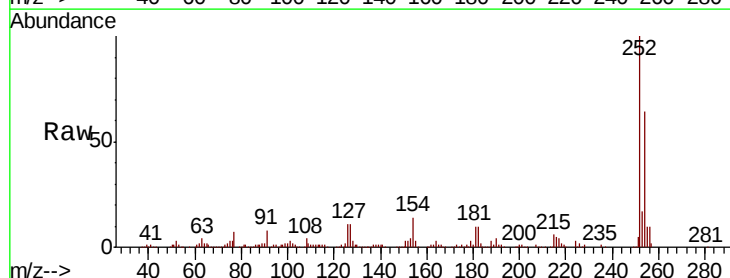
Delta R.T. -0.02 min

Lab File: BF119146.D

Acq: 28 Feb 2020 22:49

Tgt Ion:252 Resp: 228024

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 254 | 63.9  | 51.6  | 77.4  |
| 126 | 10.8  | 7.4   | 11.0  |

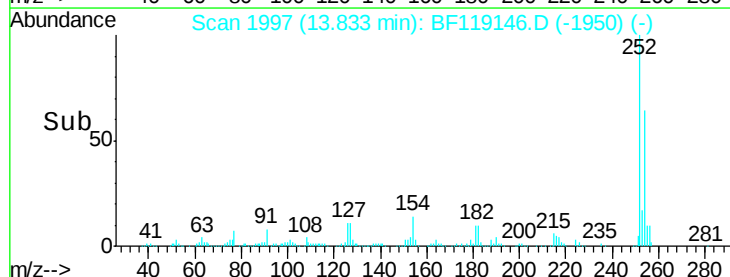
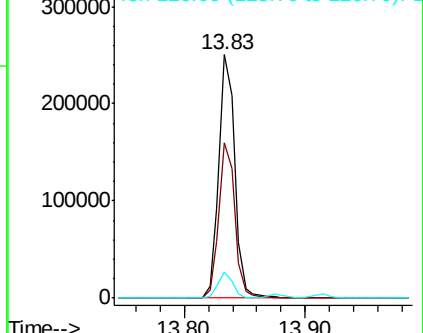


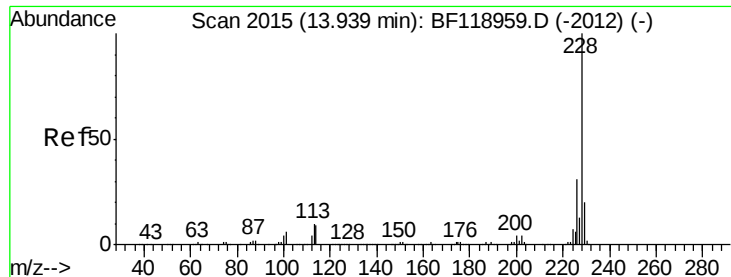
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

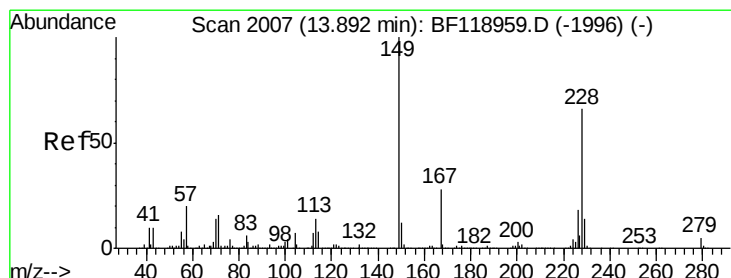
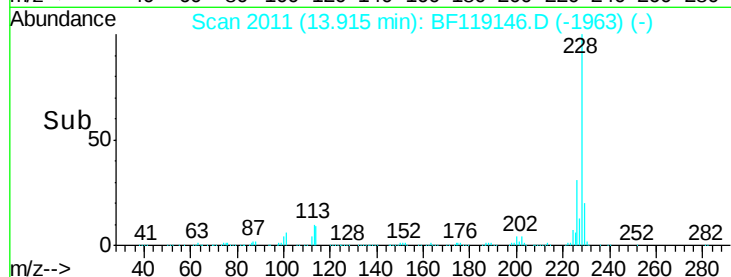
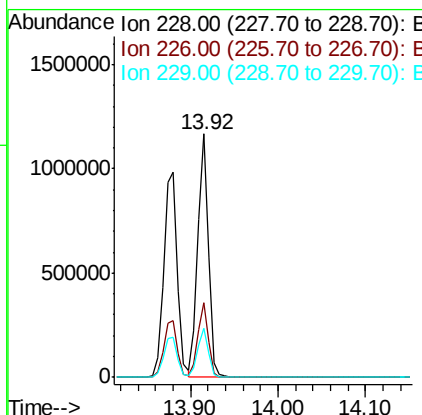
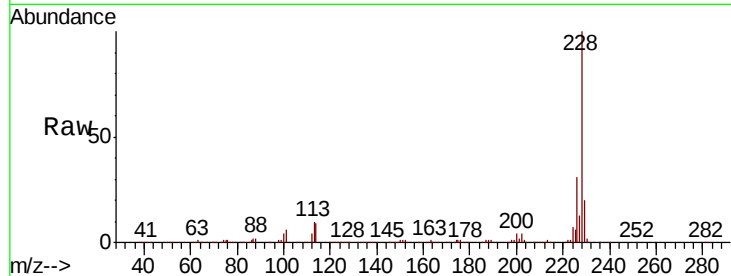




#83  
 Chrvsene  
 Concen: 44.407 ng  
 RT: 13.92 min Scan# 2011  
 Delta R.T. -0.02 min  
 Lab File: BF119146.D  
 Acq: 28 Feb 2020 22:49

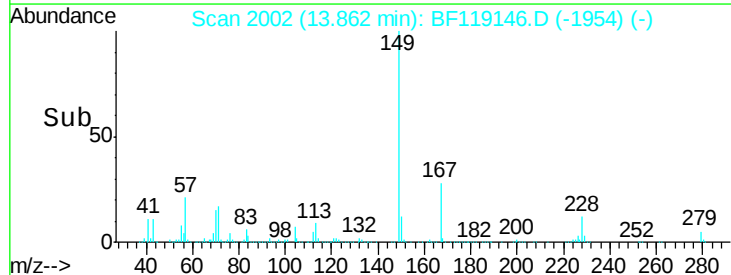
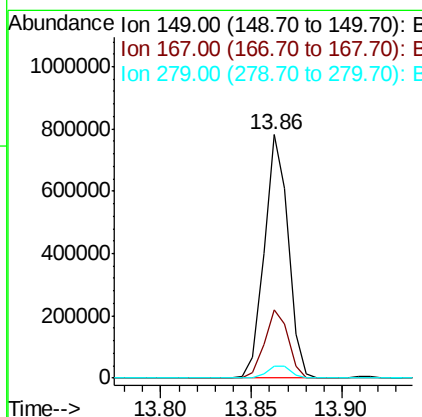
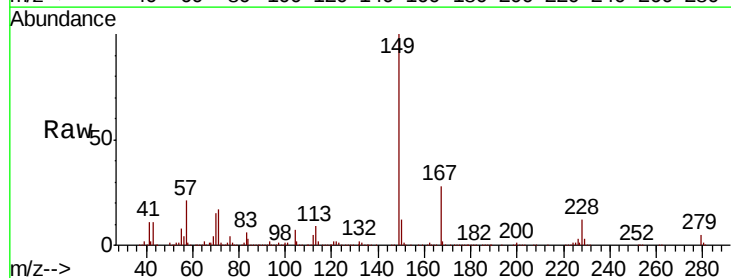
Instrument :  
 BNA\_F  
 ClientSampleId :  
 HR-05-022620MS

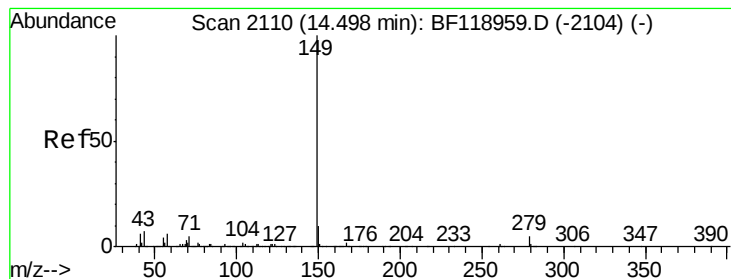
Tot Ion:228 Resp: 999833  
 Ion Ratio Lower Upper  
 228 100  
 226 30.6 25.1 37.7  
 229 19.9 16.3 24.5



#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 50.395 ng  
 RT: 13.86 min Scan# 2002  
 Delta R.T. -0.02 min  
 Lab File: BF119146.D  
 Acq: 28 Feb 2020 22:49

Tgt Ion:149 Resp: 713556  
 Ion Ratio Lower Upper  
 149 100  
 167 28.0 22.8 34.2  
 279 4.7 4.6 6.8





#85

Di-n-octyl phthalate

Concen: 48.002 ng

RT: 14.47 min Scan# 2106

Delta R.T. -0.01 min

Lab File: BF119146.D

Acq: 28 Feb 2020 22:49

Instrument :

BNA\_F

ClientSampleId :

HR-05-022620MS

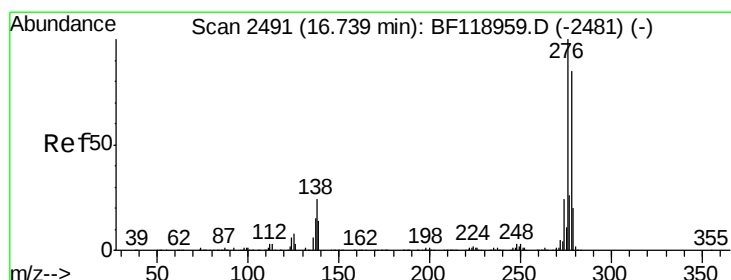
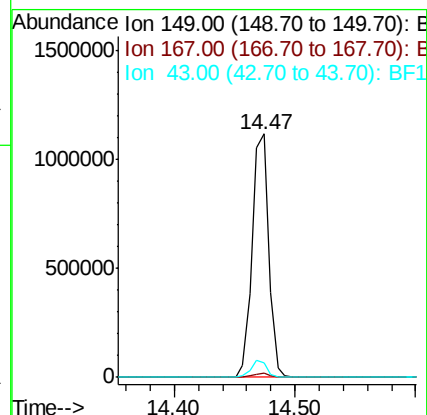
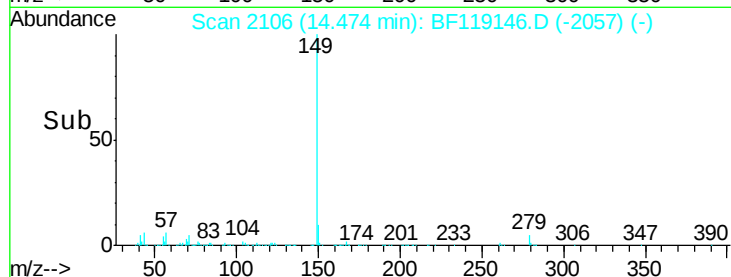
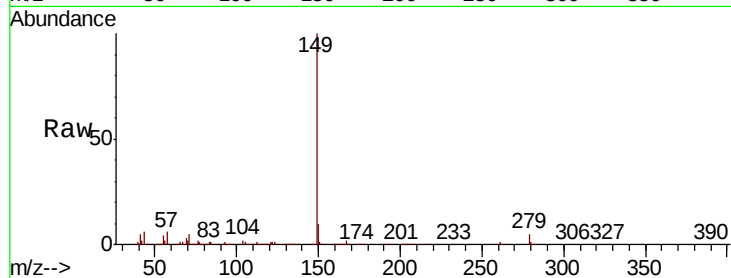
Tot Ion:149 Resp: 1082932

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 6.6 5.7 8.5



#86

Indeno(1,2,3-cd)pyrene

Concen: 51.810 ng

RT: 16.72 min Scan# 2487

Delta R.T. -0.02 min

Lab File: BF119146.D

Acq: 28 Feb 2020 22:49

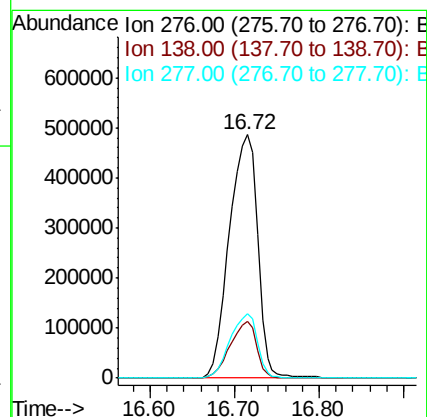
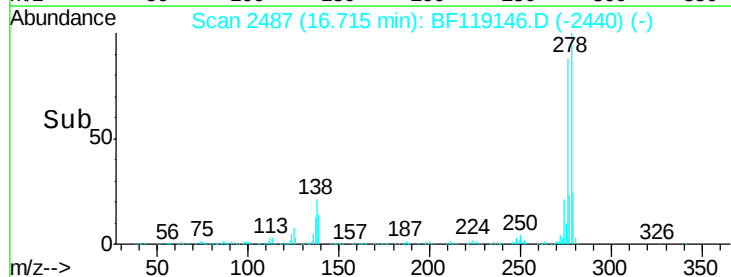
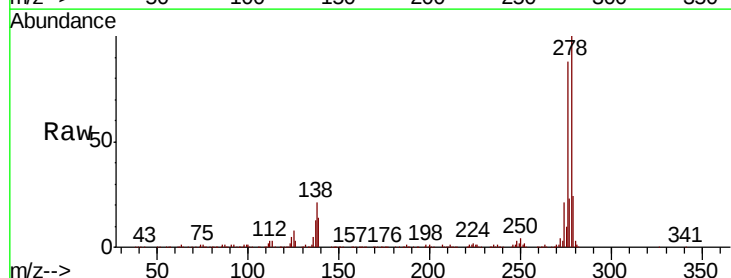
Tgt Ion:276 Resp: 1129505

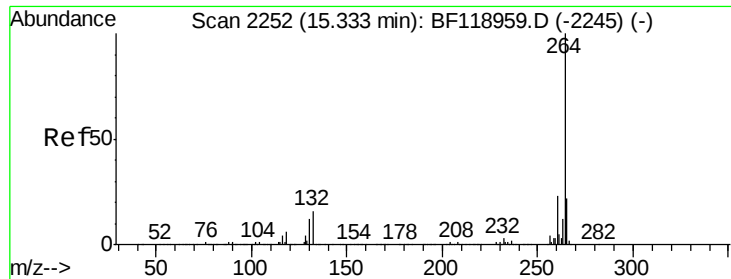
Ion Ratio Lower Upper

276 100

138 21.6 17.4 26.0

277 25.5 20.3 30.5



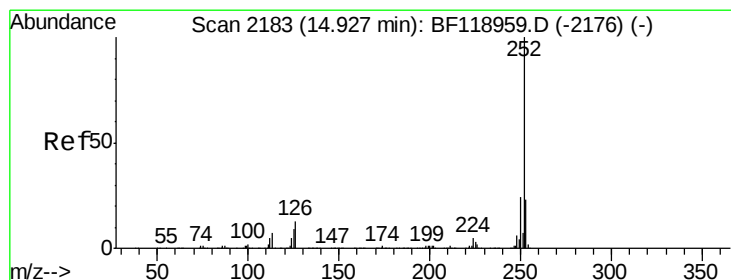
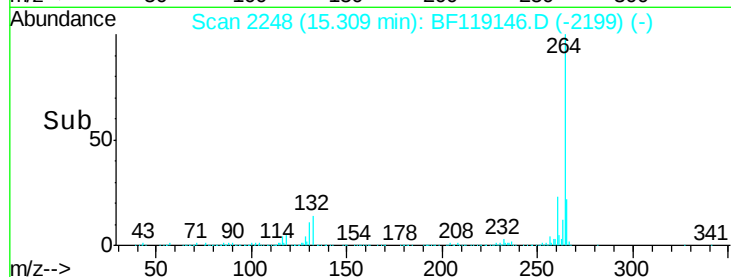
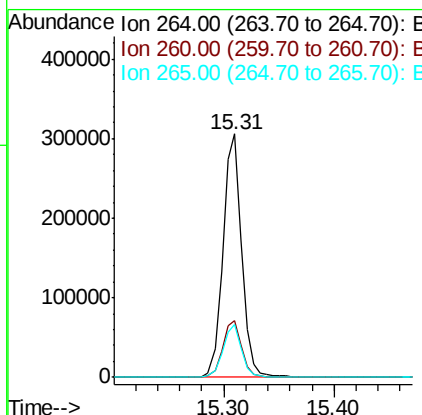
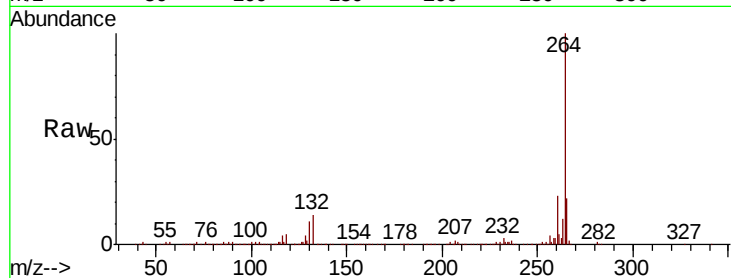


#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.31 min Scan# 2248  
Delta R.T. -0.01 min  
Lab File: BF119146.D  
Acq: 28 Feb 2020 22:49

Instrument :  
BNA\_F  
ClientSampleId :  
HR-05-022620MS

Tot Ion:264 Resp: 361776  

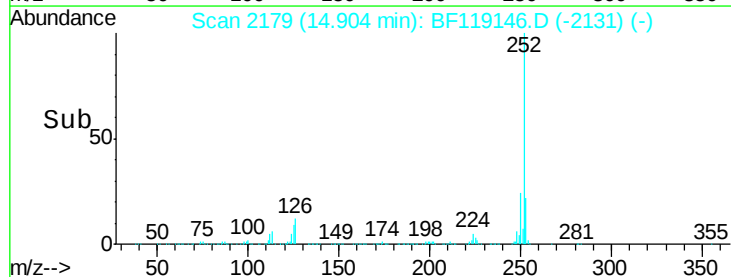
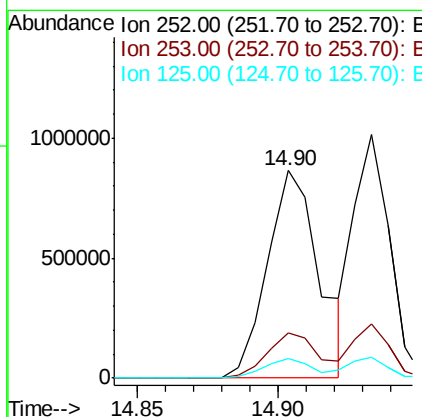
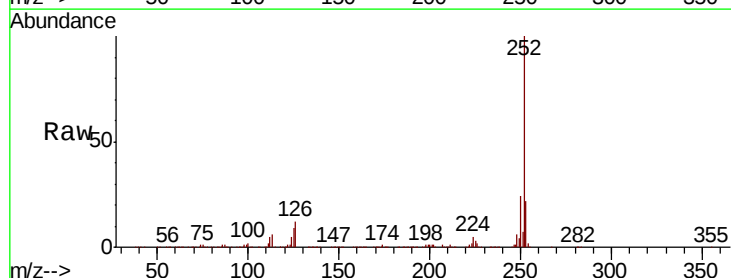
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.3  | 19.4  | 29.2  |
| 265 | 21.6  | 17.7  | 26.5  |

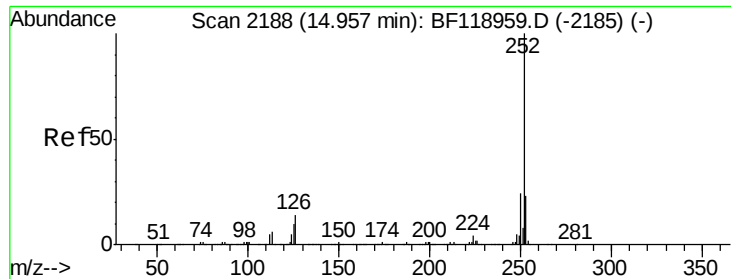


#88  
Benzo(b)fluoranthene  
Concen: 46.415 ng  
RT: 14.90 min Scan# 2179  
Delta R.T. -0.02 min  
Lab File: BF119146.D  
Acq: 28 Feb 2020 22:49

Tgt Ion:252 Resp: 1106831  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 22.1  | 18.1  | 27.1  |
| 125 | 9.2   | 7.4   | 11.0  |

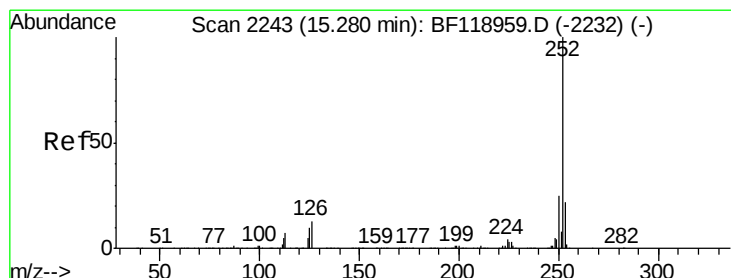
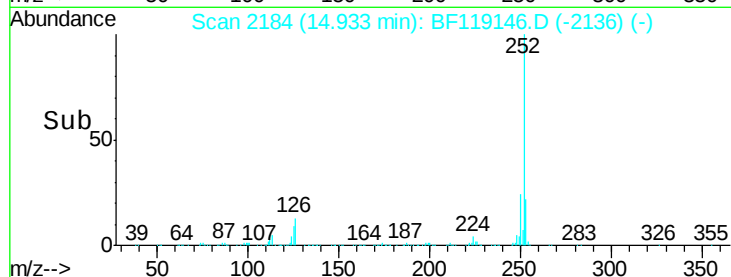
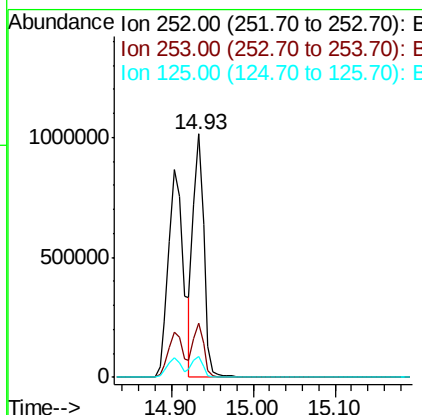
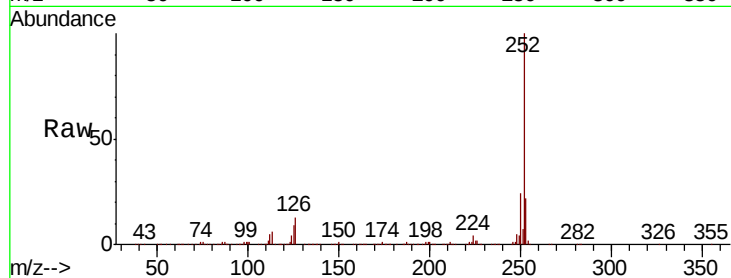




#89  
Benzo(k)fluoranthene  
Concen: 41.246 ng  
RT: 14.93 min Scan# 2184  
Delta R.T. -0.02 min  
Lab File: BF119146.D  
Acq: 28 Feb 2020 22:49

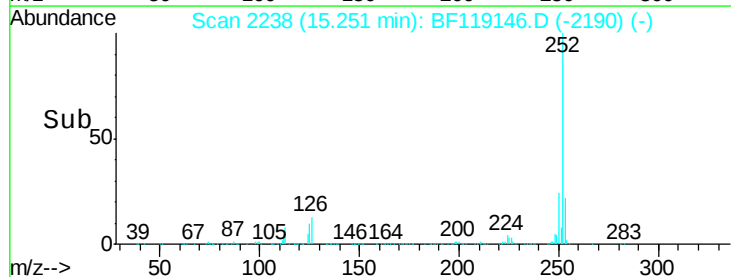
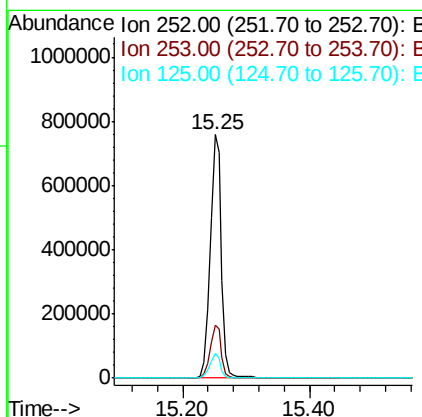
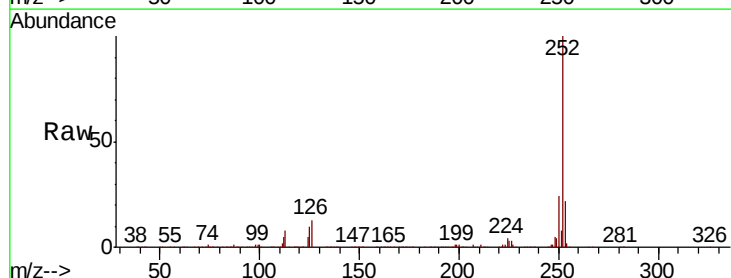
Instrument :  
BNA\_F  
ClientSampleId :  
HR-05-022620MS

Tot Ion:252 Resp: 911487  
Ion Ratio Lower Upper  
252 100  
253 22.2 17.8 26.8  
125 8.7 7.5 11.3



#90  
Benzo(a)pyrene  
Concen: 43.770 ng  
RT: 15.25 min Scan# 2238  
Delta R.T. -0.02 min  
Lab File: BF119146.D  
Acq: 28 Feb 2020 22:49

Tgt Ion:252 Resp: 942002  
Ion Ratio Lower Upper  
252 100  
253 22.0 18.0 27.0  
125 10.1 8.6 12.8





#91

Dibenzo(a,h)anthracene

Concen: 50.398 ng

RT: 16.72 min Scan# 2487

Delta R.T. -0.03 min

Lab File: BF119146.D

Acq: 28 Feb 2020 22:49

Instrument :

BNA\_F

ClientSampleId :

HR-05-022620MS

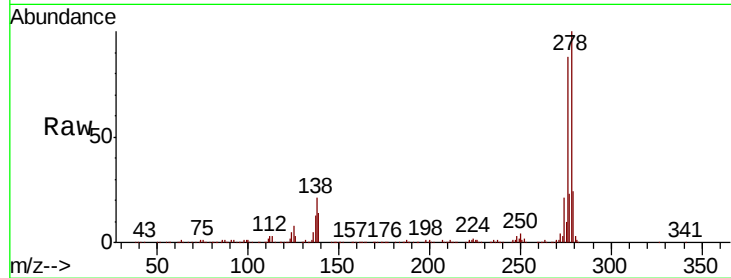
Tot Ion:278 Resp: 954378

Ion Ratio Lower Upper

278 100

139 14.3 11.0 16.4

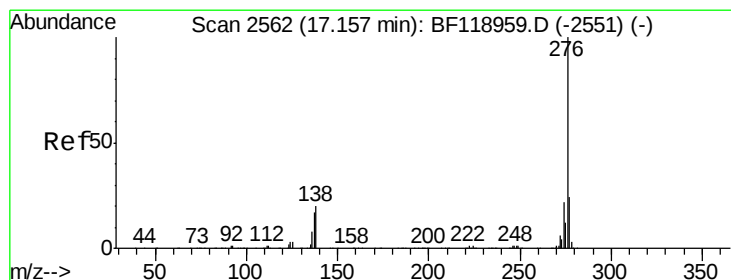
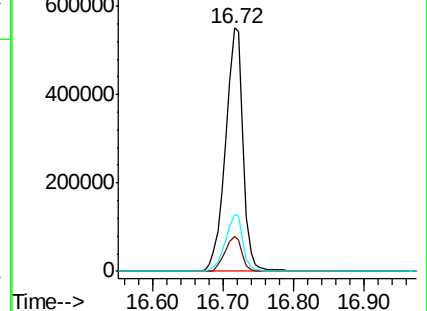
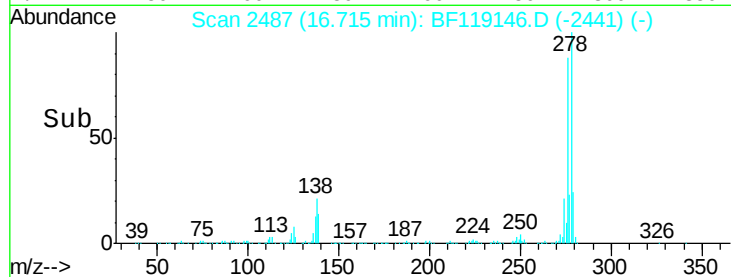
279 23.5 18.6 28.0



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: 49.563 ng

RT: 17.13 min Scan# 2557

Delta R.T. -0.03 min

Lab File: BF119146.D

Acq: 28 Feb 2020 22:49

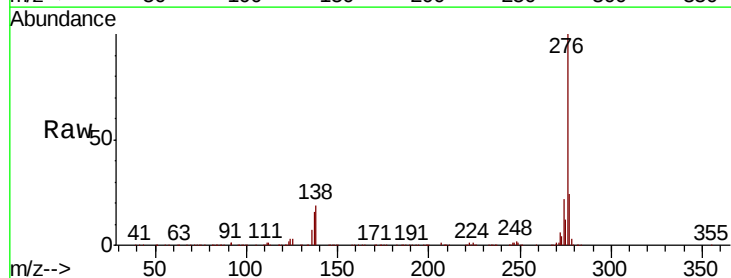
Tgt Ion:276 Resp: 927351

Ion Ratio Lower Upper

276 100

277 23.6 18.7 28.1

138 18.6 14.3 21.5



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

