

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092320\  
 Data File : BF121672.D  
 Acq On : 23 Sep 2020 17:41  
 Operator : JU/CG  
 Sample : L3863-08MS  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HD-01-092220MS

Quant Time: Sep 23 18:33:50 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 22 17:53:26 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.81  | 152  | 148130   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.09  | 136  | 582932   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.85  | 164  | 307968   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.33 | 188  | 599167   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 13.98 | 240  | 510039   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.43 | 264  | 480582   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.45  | 112 | 1058673 | 106.21 | ng | 0.02 |
| 7) Phenol-d6             | 6.46  | 99  | 1275839 | 97.57  | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.38  | 82  | 1037129 | 95.53  | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.65 | 330 | 518599  | 135.49 | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 9.17  | 172 | 1803661 | 88.70  | ng | 0.00 |
| 79) Terphenyl-d14        | 12.93 | 244 | 2076065 | 82.46  | ng | 0.00 |

## Target Compounds

|                                |      |     |         |        |    | Qvalue |
|--------------------------------|------|-----|---------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.73 | 88  | 168121  | 36.714 | ng | # 84   |
| 3) Pyridine                    | 3.44 | 79  | 370858  | 29.295 | ng | 98     |
| 4) n-Nitrosodimethylamine      | 3.37 | 42  | 241728  | 41.166 | ng | 99     |
| 6) Aniline                     | 6.47 | 93  | 244974  | 14.384 | ng | # 30   |
| 8) 2-Chlorophenol              | 6.60 | 128 | 470874  | 46.399 | ng | 99     |
| 9) Benzaldehyde                | 6.36 | 77  | 127426  | 14.906 | ng | 99     |
| 10) Phenol                     | 6.47 | 94  | 491285  | 35.280 | ng | 85     |
| 11) bis(2-Chloroethyl)ether    | 6.55 | 93  | 496357  | 47.293 | ng | 98     |
| 12) 1,3-Dichlorobenzene        | 6.75 | 146 | 493969  | 43.609 | ng | 96     |
| 13) 1,4-Dichlorobenzene        | 6.83 | 146 | 502617  | 44.191 | ng | 97     |
| 14) 1,2-Dichlorobenzene        | 6.98 | 146 | 473145  | 45.158 | ng | 99     |
| 15) Benzyl Alcohol             | 6.96 | 79  | 428771  | 48.240 | ng | 98     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.09 | 45  | 715507  | 42.366 | ng | 86     |
| 17) 2-Methylphenol             | 7.07 | 107 | 373585  | 43.265 | ng | 96     |
| 18) Hexachloroethane           | 7.32 | 117 | 183960  | 45.172 | ng | 98     |
| 19) n-Nitroso-di-n-propylamine | 7.23 | 70  | 341948  | 45.372 | ng | 99     |
| 20) 3+4-Methylphenols          | 7.23 | 107 | 446373  | 43.025 | ng | 96     |
| 22) Acetophenone               | 7.22 | 105 | 643174  | 43.487 | ng | # 96   |
| 24) Nitrobenzene               | 7.40 | 77  | 518151  | 44.126 | ng | 98     |
| 25) Isophorone                 | 7.64 | 82  | 943950  | 43.191 | ng | 98     |
| 26) 2-Nitrophenol              | 7.71 | 139 | 251827  | 45.685 | ng | 95     |
| 27) 2,4-Dimethylphenol         | 7.75 | 122 | 414495  | 42.487 | ng | 97     |
| 28) bis(2-Chloroethoxy)methane | 7.85 | 93  | 597882  | 44.189 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 7.96 | 162 | 395849  | 44.550 | ng | 97     |
| 30) 1,2,4-Trichlorobenzene     | 8.03 | 180 | 408895  | 43.694 | ng | 99     |
| 31) Naphthalene                | 8.12 | 128 | 1329232 | 43.196 | ng | 99     |
| 32) Benzoic acid               | 7.90 | 122 | 267605  | 38.389 | ng | 96     |
| 33) 4-Chloroaniline            | 8.16 | 127 | 169255  | 12.689 | ng | 97     |
| 34) Hexachlorobutadiene        | 8.23 | 225 | 247756  | 45.105 | ng | 99     |
| 35) Caprolactam                | 8.55 | 113 | 53802   | 18.182 | ng | 97     |
| 36) 4-Chloro-3-methylphenol    | 8.66 | 107 | 436958  | 45.650 | ng | 100    |
| 37) 2-Methylnaphthalene        | 8.81 | 142 | 889470  | 44.107 | ng | 100    |
| 38) 1-Methylnaphthalene        | 8.90 | 142 | 827409  | 44.086 | ng | 100    |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.97 | 216 | 421745  | 43.841 | ng | 99     |

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 Sample : L3863-08MS  
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 ALS Vial : 7 Sample Multiplier: 1

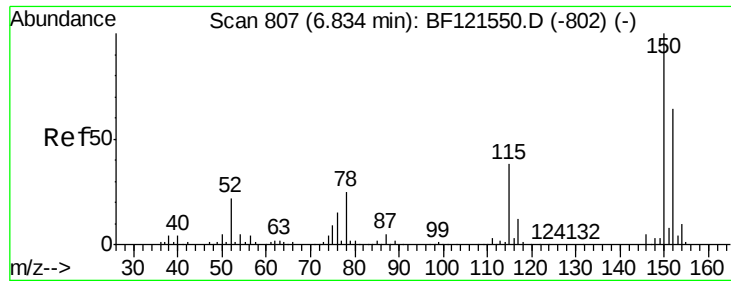
Instrument :  
 BNA\_F  
 ClientSampleId :  
 HD-01-092220MS

Quant Time: Sep 23 18:33:50 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 22 17:53:26 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 8.96  | 237  | 417142   | 75.931 | ng    | 100      |
| 43) 2,4,6-Trichlorophenol      | 9.09  | 196  | 295148   | 45.012 | ng    | 98       |
| 44) 2,4,5-Trichlorophenol      | 9.14  | 196  | 316606   | 45.674 | ng    | 96       |
| 46) 1,1'-Biphenyl              | 9.27  | 154  | 1075543  | 43.624 | ng    | 100      |
| 47) 2-Chloronaphthalene        | 9.30  | 162  | 848794   | 43.688 | ng    | 99       |
| 48) 2-Nitroaniline             | 9.40  | 65   | 289828   | 48.005 | ng    | 95       |
| 49) Acenaphthylene             | 9.72  | 152  | 1294835  | 43.376 | ng    | 99       |
| 50) Dimethylphthalate          | 9.58  | 163  | 1036273  | 46.426 | ng    | 100      |
| 51) 2,6-Dinitrotoluene         | 9.64  | 165  | 233101   | 49.036 | ng    | 98       |
| 52) Acenaphthene               | 9.89  | 154  | 782596   | 41.507 | ng    | 99       |
| 53) 3-Nitroaniline             | 9.81  | 138  | 135674   | 24.638 | ng    | 99       |
| 54) 2,4-Dinitrophenol          | 9.92  | 184  | 262427   | 93.937 | ng    | 97       |
| 55) Dibenzofuran               | 10.06 | 168  | 1157672  | 43.600 | ng    | 100      |
| 56) 4-Nitrophenol              | 9.99  | 139  | 343370   | 78.187 | ng    | 93       |
| 57) 2,4-Dinitrotoluene         | 10.05 | 165  | 308762   | 51.629 | ng    | 93       |
| 58) Fluorene                   | 10.40 | 166  | 910907   | 44.861 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 10.18 | 232  | 264496   | 46.935 | ng    | 99       |
| 60) Diethylphthalate           | 10.28 | 149  | 1028326  | 47.252 | ng    | 99       |
| 61) 4-Chlorophenyl-phenylether | 10.39 | 204  | 448228   | 46.081 | ng    | 97       |
| 62) 4-Nitroaniline             | 10.43 | 138  | 231893   | 42.411 | ng    | 95       |
| 63) Azobenzene                 | 10.55 | 77   | 1020760  | 44.045 | ng    | 97       |
| 65) 4,6-Dinitro-2-methylphenol | 10.46 | 198  | 177739   | 48.293 | ng    | 88       |
| 66) n-Nitrosodiphenylamine     | 10.52 | 169  | 876621   | 42.645 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether  | 10.88 | 248  | 304595   | 44.650 | ng    | 96       |
| 68) Hexachlorobenzene          | 10.95 | 284  | 346668   | 45.030 | ng    | 96       |
| 69) Atrazine                   | 11.04 | 200  | 222470   | 43.562 | ng    | 98       |
| 70) Pentachlorophenol          | 11.15 | 266  | 376995   | 89.167 | ng    | 97       |
| 71) Phenanthrene               | 11.36 | 178  | 1394328  | 42.712 | ng    | 99       |
| 72) Anthracene                 | 11.42 | 178  | 1434790  | 42.590 | ng    | 99       |
| 73) Carbazole                  | 11.57 | 167  | 1315785  | 43.282 | ng    | 100      |
| 74) Di-n-butylphthalate        | 11.90 | 149  | 1595389  | 45.469 | ng    | 99       |
| 75) Fluoranthene               | 12.55 | 202  | 1560503  | 44.780 | ng    | 99       |
| 77) Benzidine                  | 12.67 | 184  | 139818   | 8.269  | ng    | 100      |
| 78) Pyrene                     | 12.78 | 202  | 1583991  | 42.506 | ng    | 100      |
| 80) Butylbenzylphthalate       | 13.40 | 149  | 690011   | 45.783 | ng    | 96       |
| 81) Benzo(a)anthracene         | 13.97 | 228  | 1412331  | 43.769 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine     | 13.93 | 252  | 364784   | 28.957 | ng    | 99       |
| 83) Chrysene                   | 14.01 | 228  | 1394339  | 42.673 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phthalate | 13.96 | 149  | 922260   | 45.806 | ng    | 99       |
| 85) Di-n-octyl phthalate       | 14.57 | 149  | 1626709  | 45.781 | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene     | 16.87 | 276  | 1360869  | 43.482 | ng    | 100      |
| 88) Benzo(b)fluoranthene       | 15.01 | 252  | 1563018  | 48.651 | ng    | 99       |
| 89) Benzo(k)fluoranthene       | 15.04 | 252  | 1263527  | 42.947 | ng    | 99       |
| 90) Benzo(a)pyrene             | 15.37 | 252  | 1253961  | 45.917 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene     | 16.89 | 278  | 1113002  | 42.721 | ng    | 99       |
| 92) Benzo(g,h,i)perylene       | 17.32 | 276  | 1097837  | 42.869 | ng    | 98       |

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



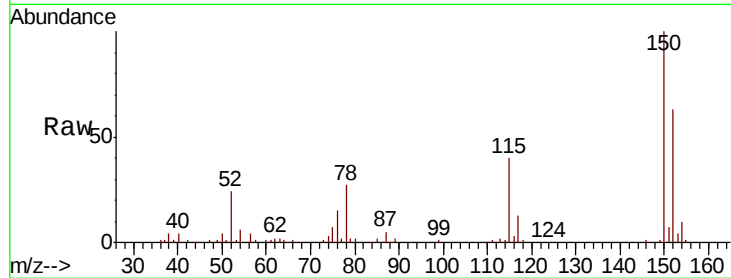


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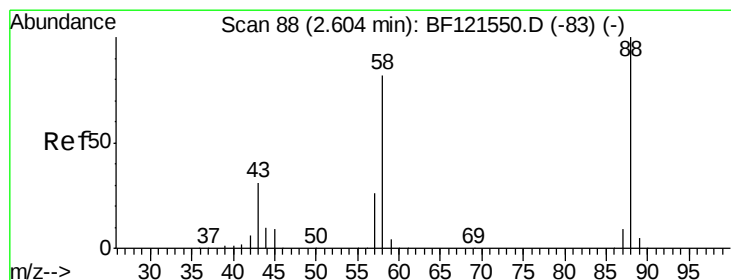
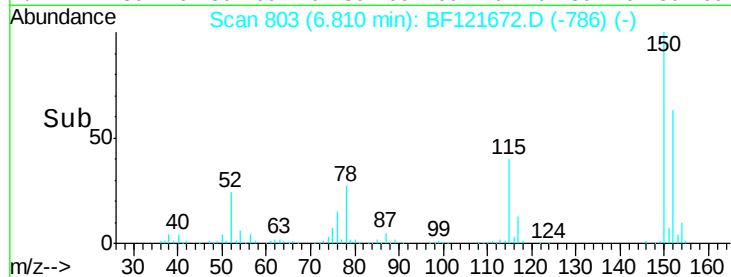
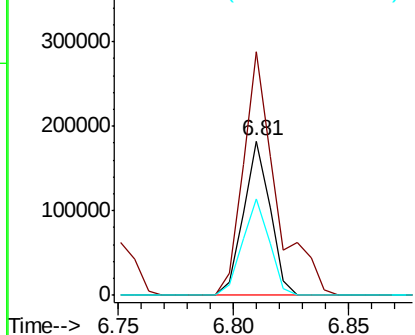
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.81 min Scan# 803  
Delta R.T. 0.00 min  
Lab File: BF121672.D  
Acq: 23 Sep 2020 17:41

Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-092220MS

Tot Ion:152 Resp: 148130  
Ion Ratio Lower Upper  
152 100  
150 157.6 128.1 192.1  
115 62.5 52.6 79.0



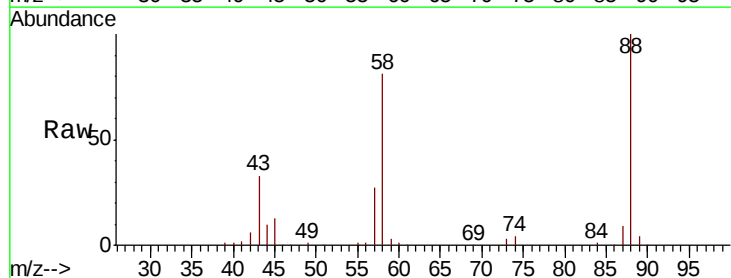
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



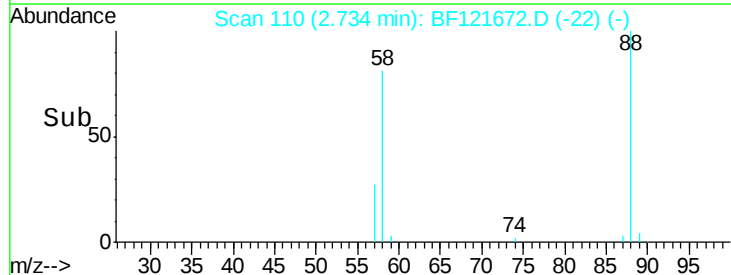
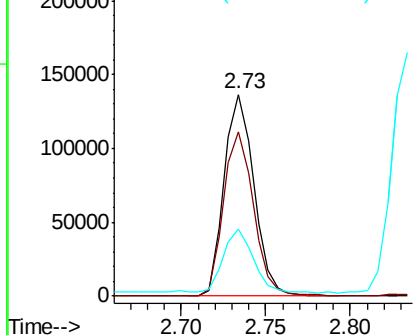
#2

1,4-Dioxane  
Concen: 36.714 ng  
RT: 2.73 min Scan# 110  
Delta R.T. 0.22 min  
Lab File: BF121672.D  
Acq: 23 Sep 2020 17:41

Tgt Ion: 88 Resp: 168121  
Ion Ratio Lower Upper  
88 100  
58 81.2 65.4 98.0  
43 0.0 24.9 37.3#



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: 29.295 ng

RT: 3.44 min Scan# 230

Delta R.T. 0.18 min

Lab File: BF121672.D

Acq: 23 Sep 2020 17:41

Instrument :

BNA\_F

ClientSampleId :

HD-01-092220MS

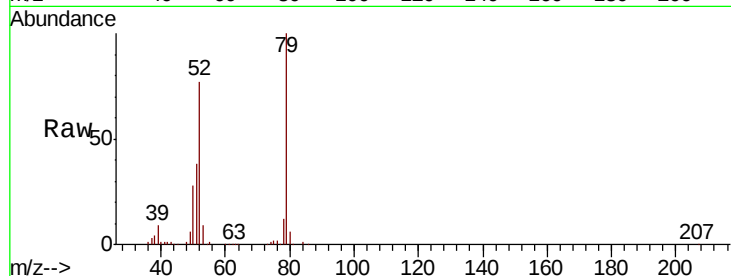
Tot Ion: 79 Resp: 370858

Ion Ratio Lower Upper

79 100

52 77.1 63.4 95.0

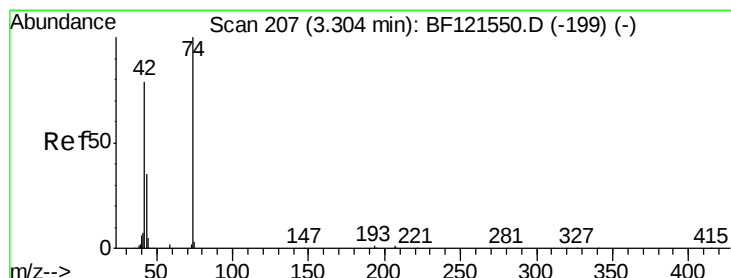
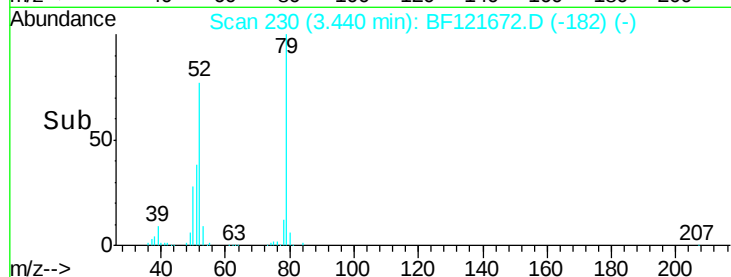
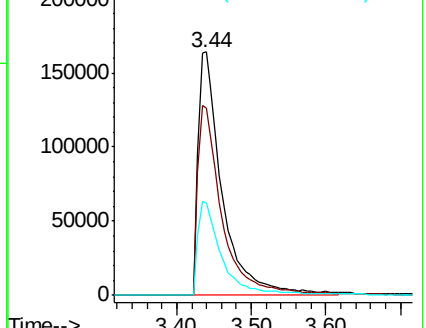
51 37.8 30.7 46.1



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: 41.166 ng

RT: 3.37 min Scan# 218

Delta R.T. 0.15 min

Lab File: BF121672.D

Acq: 23 Sep 2020 17:41

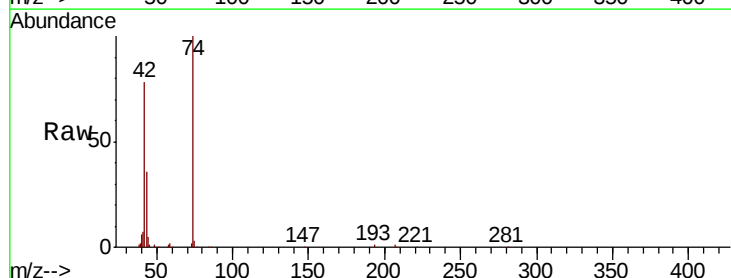
Tgt Ion: 42 Resp: 241728

Ion Ratio Lower Upper

42 100

74 127.8 102.6 154.0

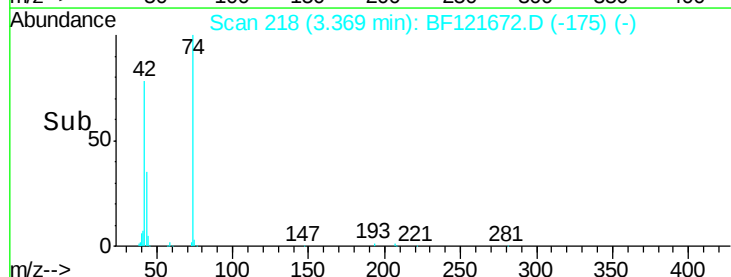
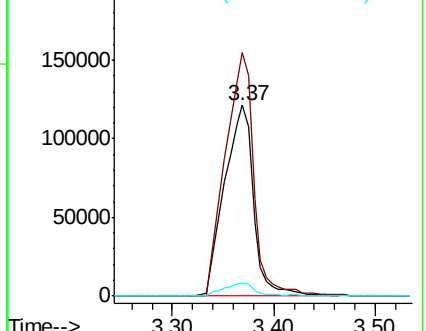
44 7.0 6.0 9.0



Abundance Ion 42.00 (41.70 to 42.70): BF1

Ion 74.00 (73.70 to 74.70): BF1

Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 106.212 ng

RT: 5.45 min Scan# 572

Delta R.T. 0.02 min

Lab File: BF121672.D

Acq: 23 Sep 2020 17:41

Instrument :

BNA\_F

ClientSampleId :

HD-01-092220MS

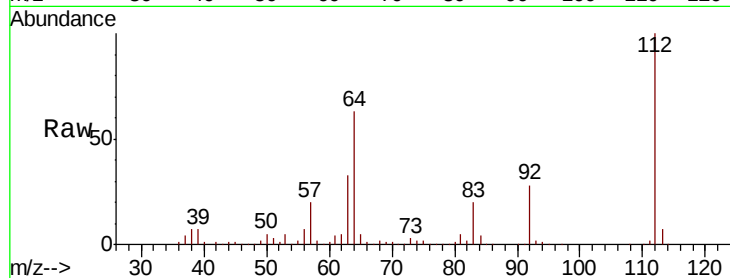
Tot Ion:112 Resp: 1058673

Ion Ratio Lower Upper

112 100

64 63.3 52.2 78.2

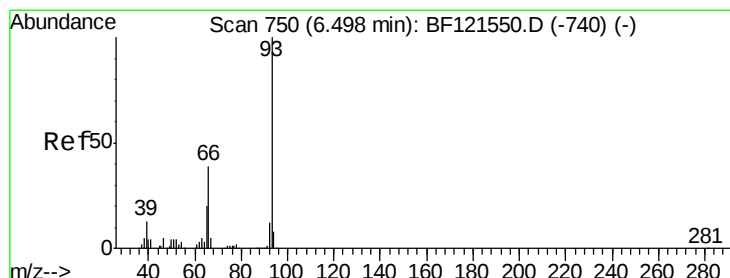
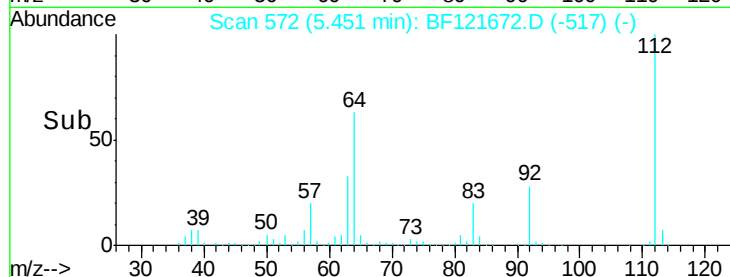
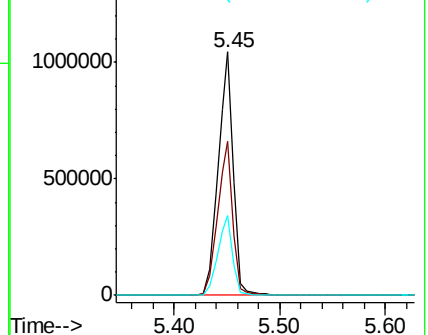
63 32.9 26.6 39.8



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 14.384 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.00 min

Lab File: BF121672.D

Acq: 23 Sep 2020 17:41

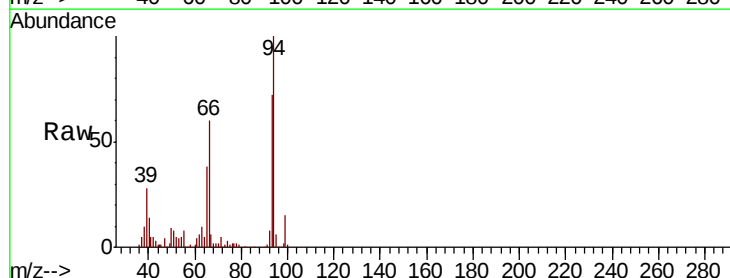
Tgt Ion: 93 Resp: 244974

Ion Ratio Lower Upper

93 100

66 82.8 31.9 47.9#

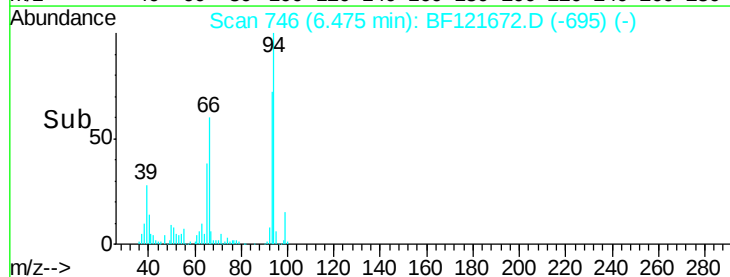
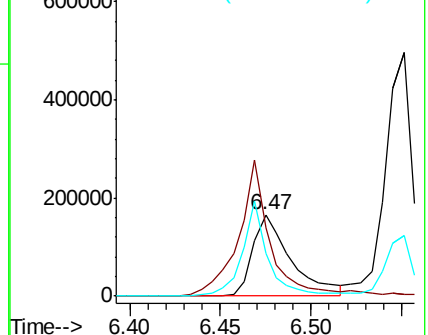
65 52.2 16.1 24.1#



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: 97.565 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.01 min

Lab File: BF121672.D

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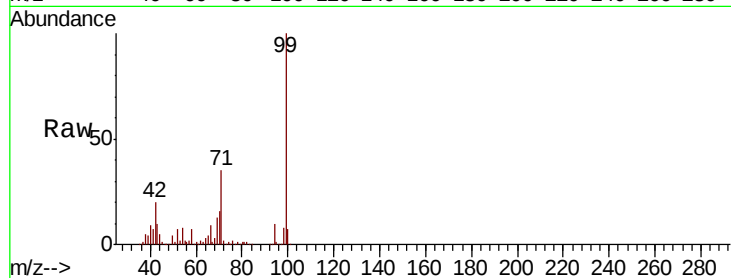
Tot Ion: 99 Resp: 1275839

Ion Ratio Lower Upper

99 100

42 20.3 15.5 23.3

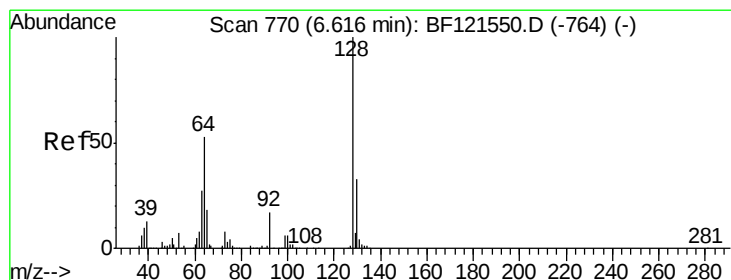
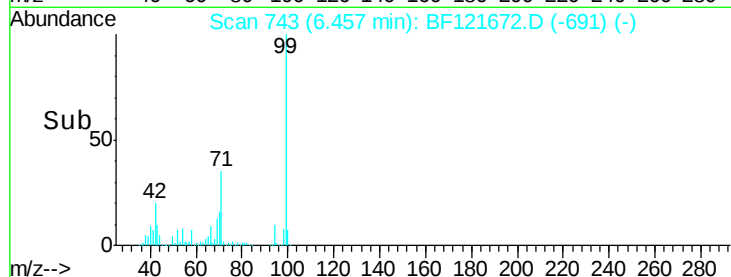
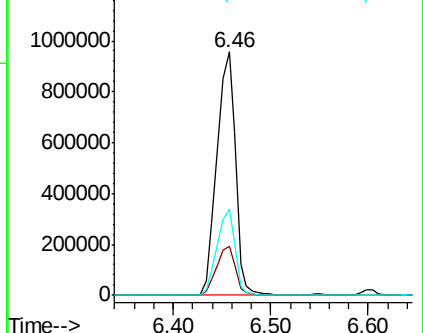
71 35.4 27.4 41.2



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 46.399 ng

RT: 6.60 min Scan# 768

Delta R.T. 0.01 min

Lab File: BF121672.D

Acq: 23 Sep 2020 17:41

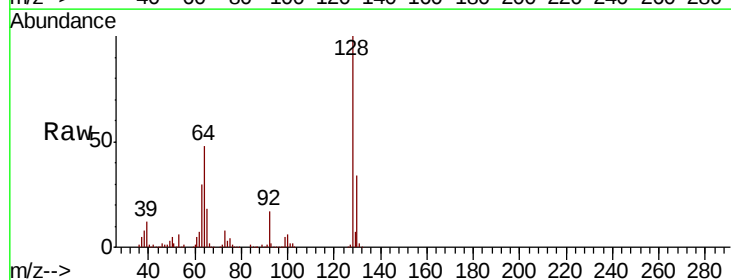
Tgt Ion: 128 Resp: 470874

Ion Ratio Lower Upper

128 100

130 33.8 13.5 53.5

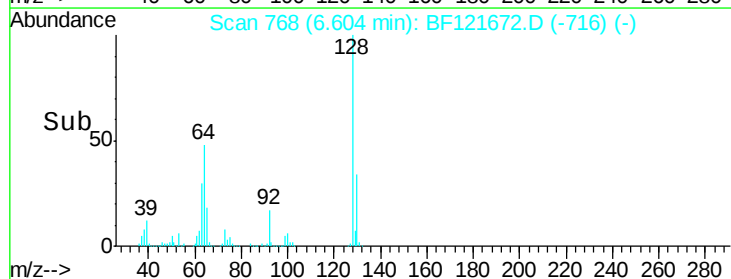
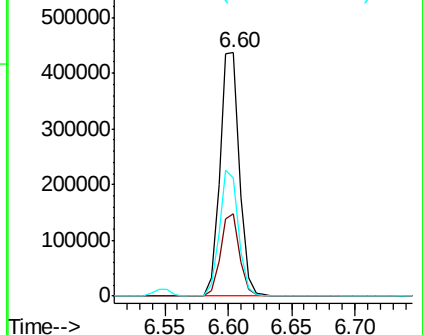
64 48.3 29.3 69.3



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: 14.906 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.00 min

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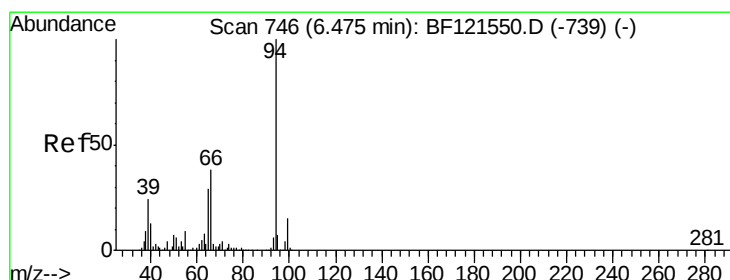
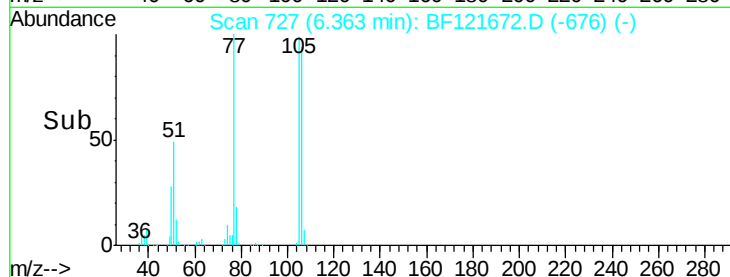
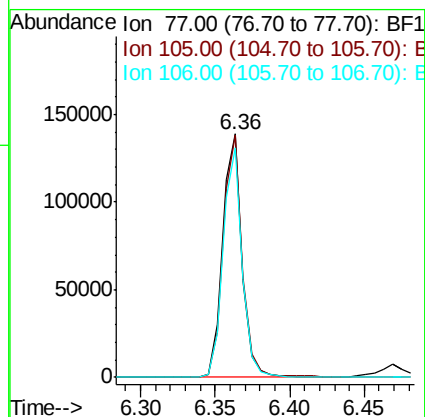
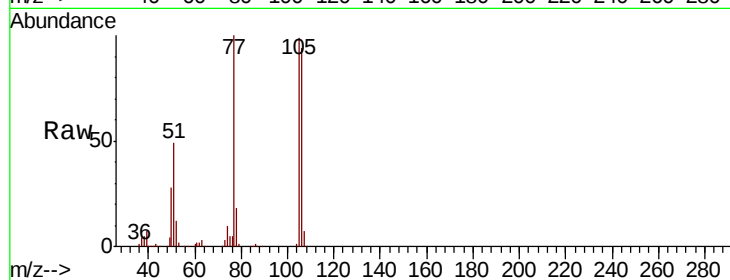
Tot Ion: 77 Resp: 127426

Ion Ratio Lower Upper

77 100

105 99.4 79.2 119.2

106 94.3 72.9 112.9



#10

Phenol

Concen: 35.280 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.01 min

Lab File: BF121672.D

Acq: 23 Sep 2020 17:41

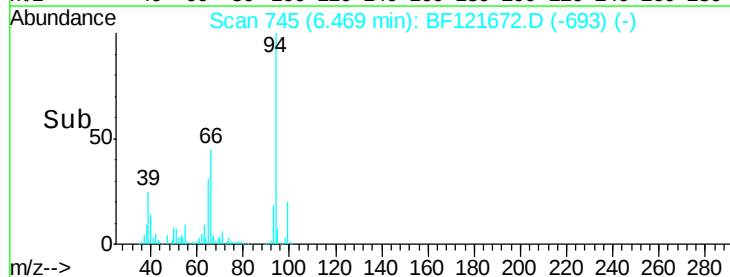
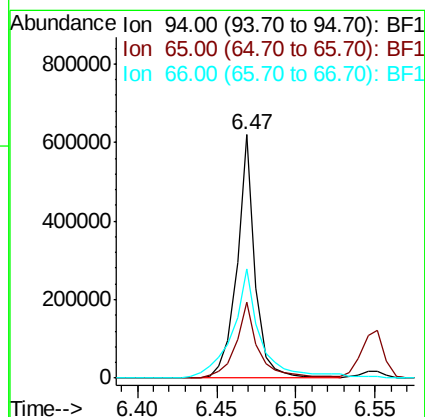
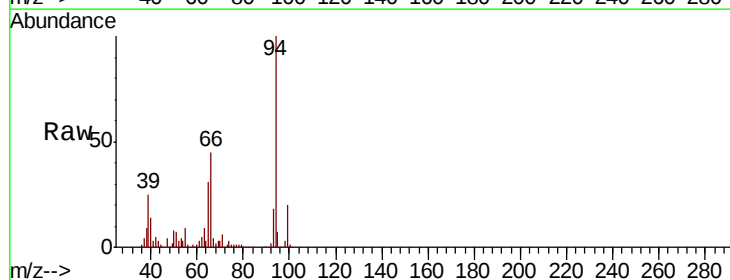
Tgt Ion: 94 Resp: 491285

Ion Ratio Lower Upper

94 100

65 31.2 17.8 57.8

66 44.8 37.8 77.8





#11

bis(2-Chloroethyl)ether

Concen: 47.293 ng

RT: 6.55 min Scan# 759

Delta R.T. 0.00 min

Lab File: BF121672.D

Acq: 23 Sep 2020 17:41

Instrument :

BNA\_F

ClientSampleId :

HD-01-092220MS

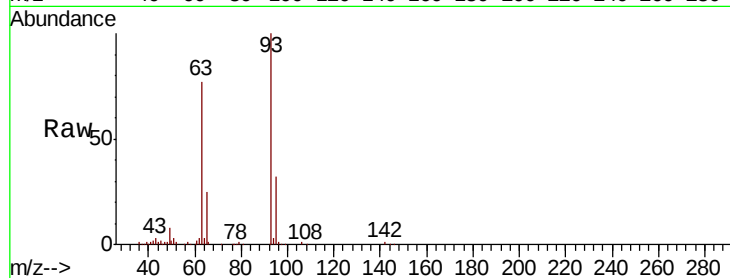
Tot Ion: 93 Resp: 496357

Ion Ratio Lower Upper

93 100

63 77.4 60.3 100.3

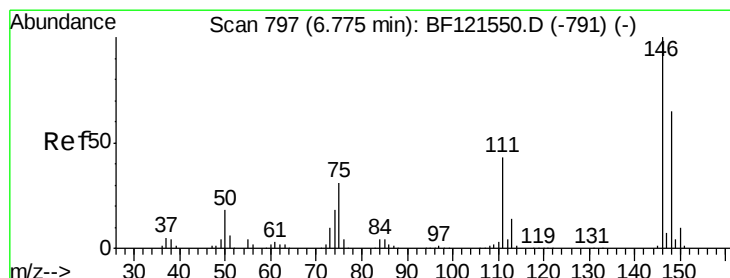
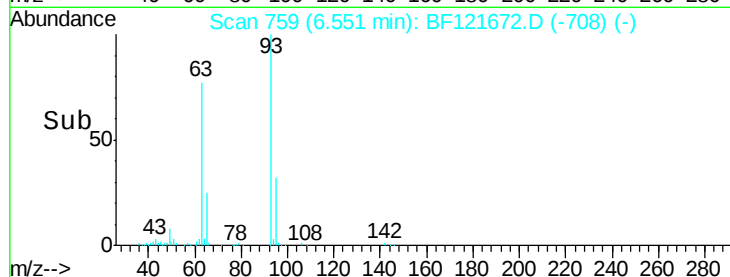
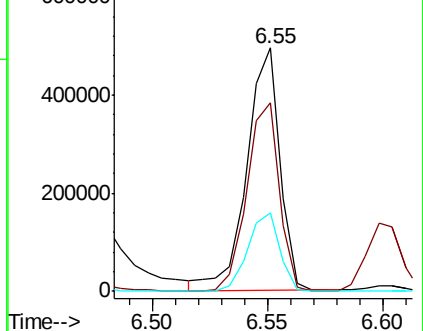
95 32.4 12.6 52.6



Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Ion 95.00 (94.70 to 95.70): BF1



#12

1,3-Dichlorobenzene

Concen: 43.609 ng

RT: 6.75 min Scan# 793

Delta R.T. 0.00 min

Lab File: BF121672.D

Acq: 23 Sep 2020 17:41

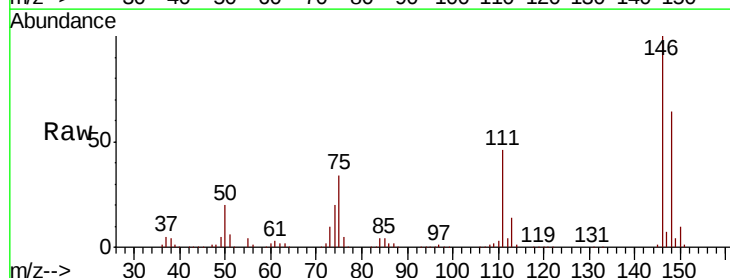
Tgt Ion: 146 Resp: 493969

Ion Ratio Lower Upper

146 100

148 64.5 50.6 75.8

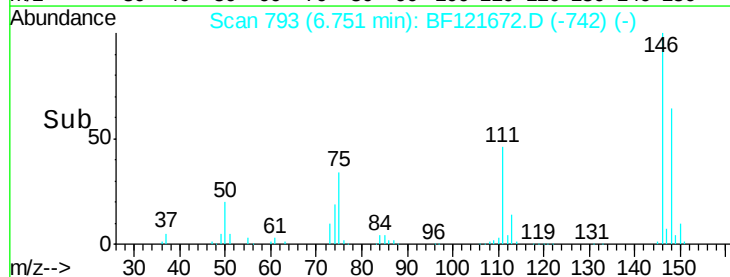
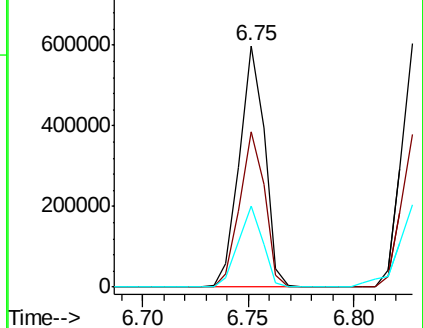
75 33.7 23.5 35.3

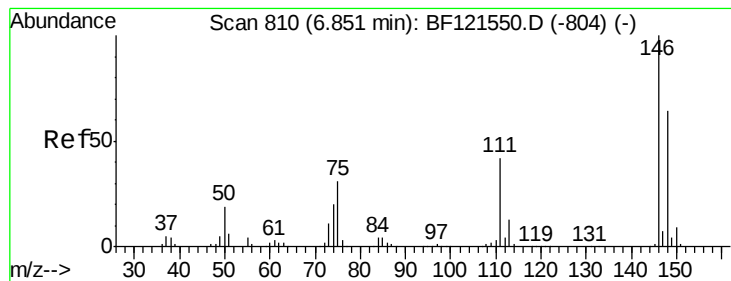


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF1





#13

1,4-Dichlorobenzene

Concen: 44.191 ng

RT: 6.83 min Scan# 806

Delta R.T. 0.00 min

Lab File: BF121672.D

Acq: 23 Sep 2020 17:41

Instrument :

BNA\_F

ClientSampleId :

HD-01-092220MS

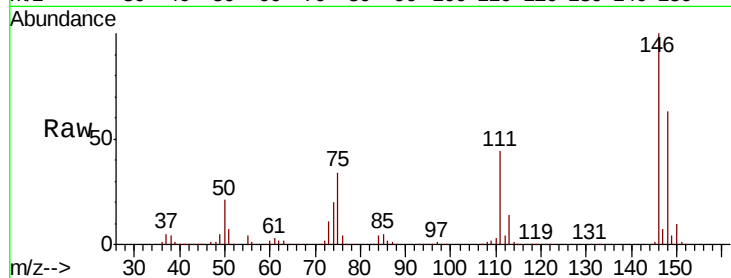
Tot Ion:146 Resp: 502617

Ion Ratio Lower Upper

146 100

148 63.0 51.9 77.9

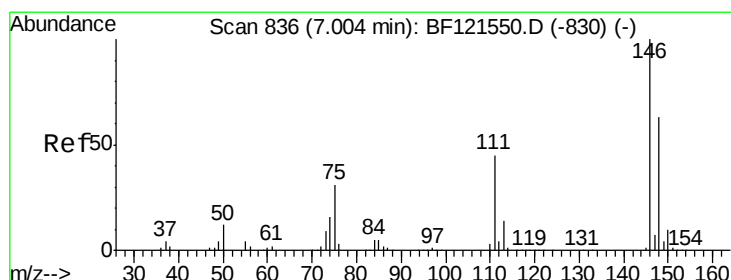
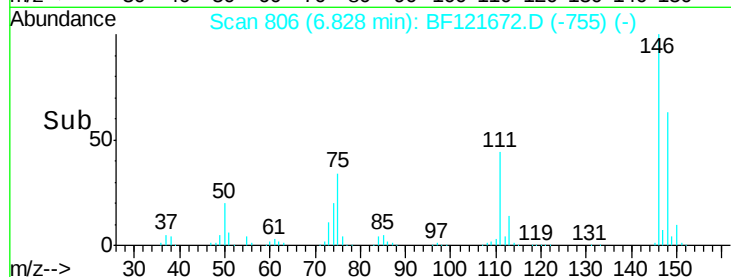
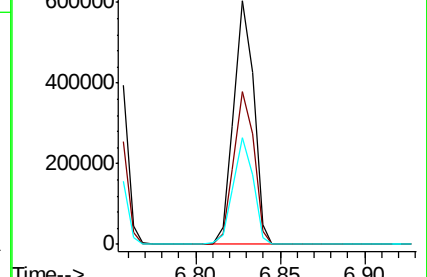
111 43.9 32.7 49.1



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: 45.158 ng

RT: 6.98 min Scan# 832

Delta R.T. -0.01 min

Lab File: BF121672.D

Acq: 23 Sep 2020 17:41

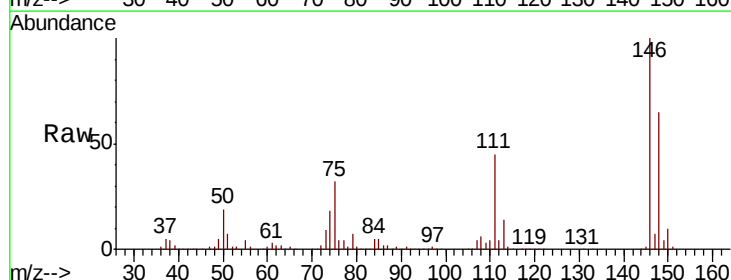
Tgt Ion:146 Resp: 473145

Ion Ratio Lower Upper

146 100

148 64.7 51.3 76.9

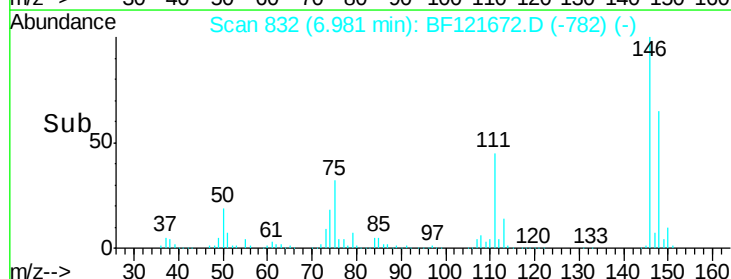
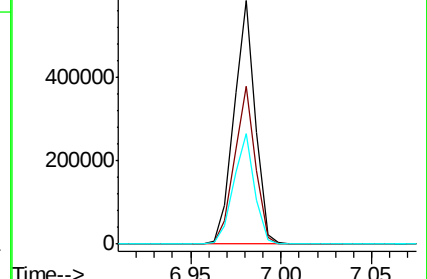
111 45.3 35.5 53.3

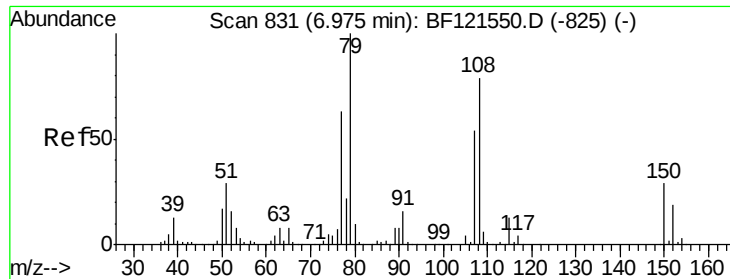


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

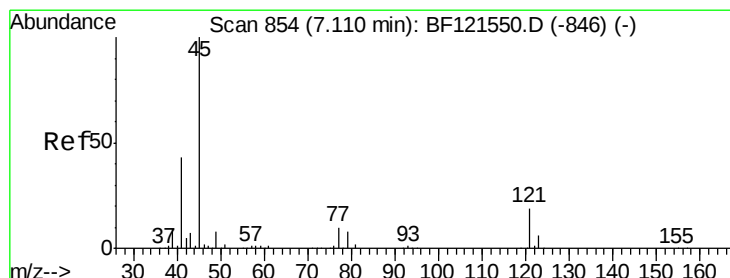
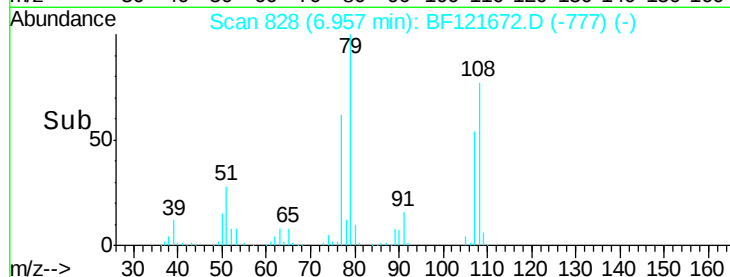
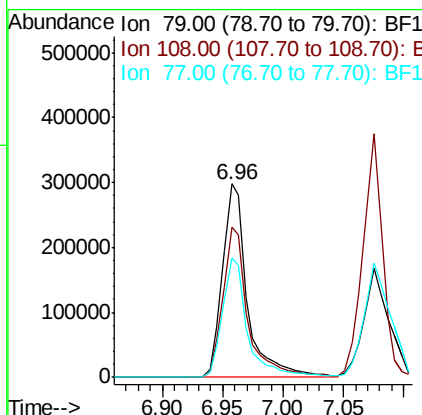
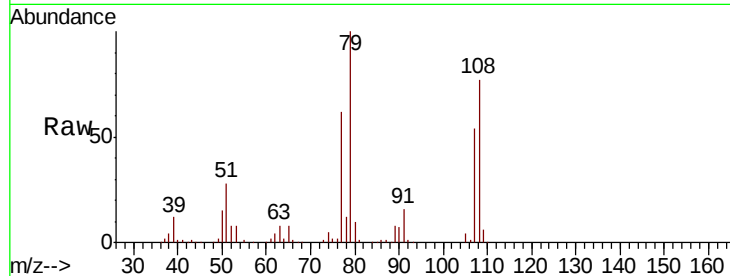




#15  
Benzyl Alcohol  
Concen: 48.240 ng  
RT: 6.96 min Scan# 828  
Delta R.T. 0.00 min  
Lab File: BF121672.D  
Acq: 23 Sep 2020 17:41

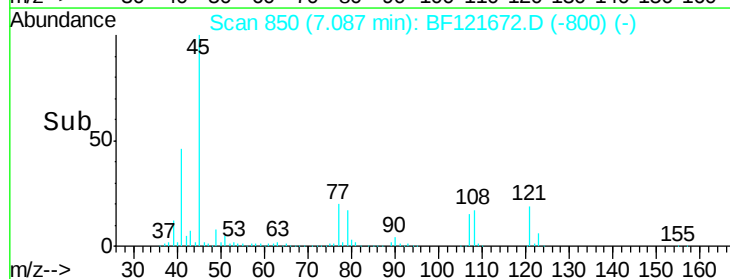
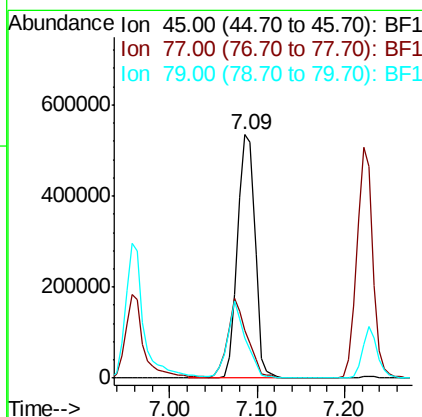
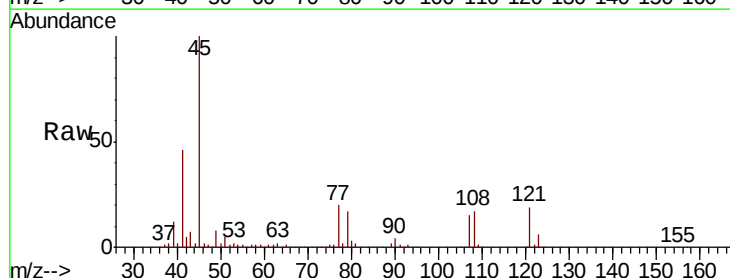
Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-092220MS

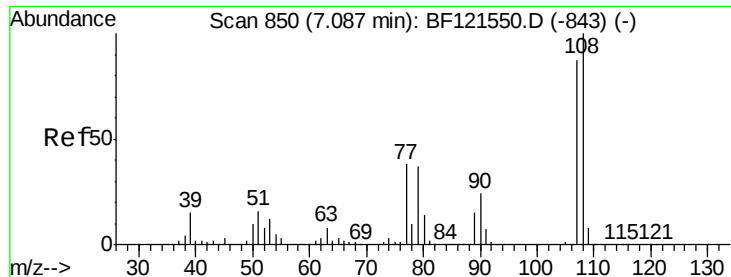
Tot Ion: 79 Resp: 428771  
Ion Ratio Lower Upper  
79 100  
108 77.4 60.2 90.2  
77 61.9 50.6 76.0



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 42.366 ng  
RT: 7.09 min Scan# 850  
Delta R.T. -0.01 min  
Lab File: BF121672.D  
Acq: 23 Sep 2020 17:41

Tgt Ion: 45 Resp: 715507  
Ion Ratio Lower Upper  
45 100  
77 19.7 0.0 33.8  
79 16.6 0.0 31.2

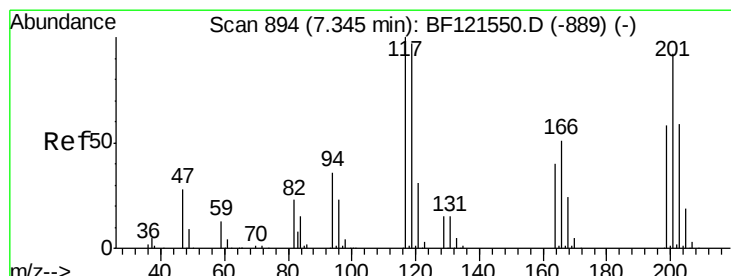
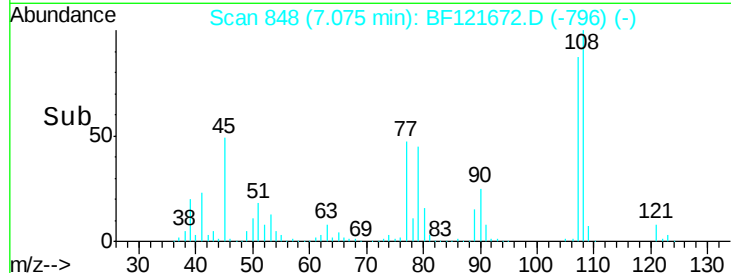
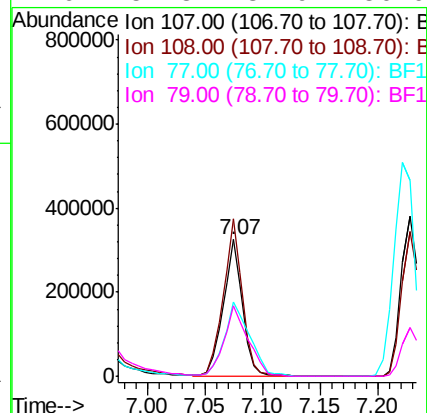
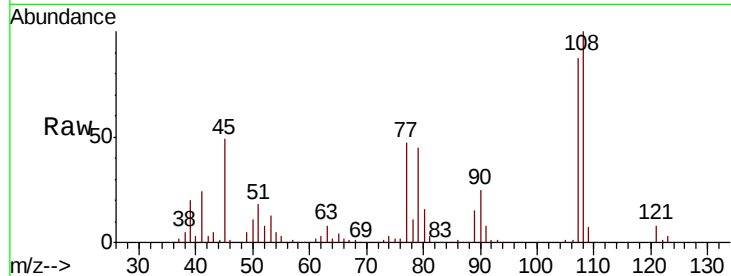




#17  
2-Methylphenol  
Concen: 43.265 ng  
RT: 7.07 min Scan# 848  
Delta R.T. 0.01 min  
Lab File: BF121672.D  
Acq: 23 Sep 2020 17:41

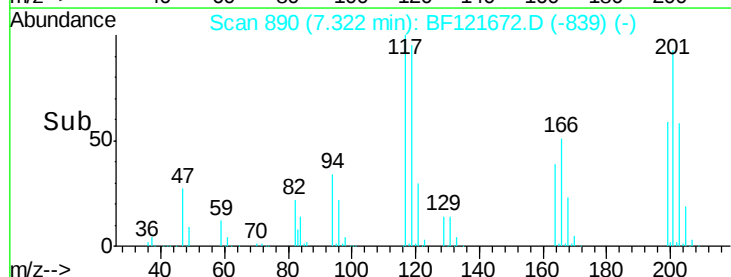
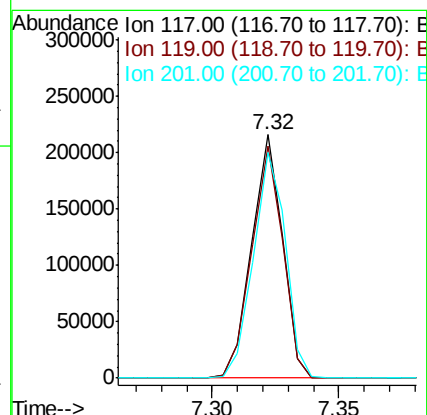
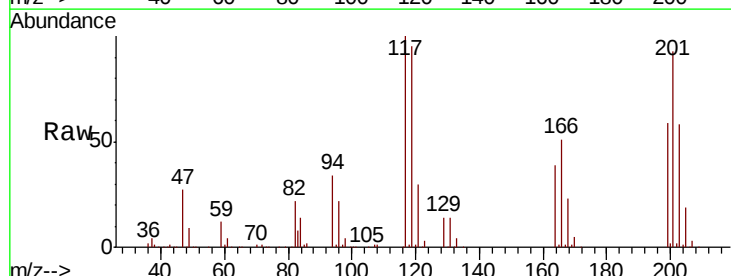
Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-092220MS

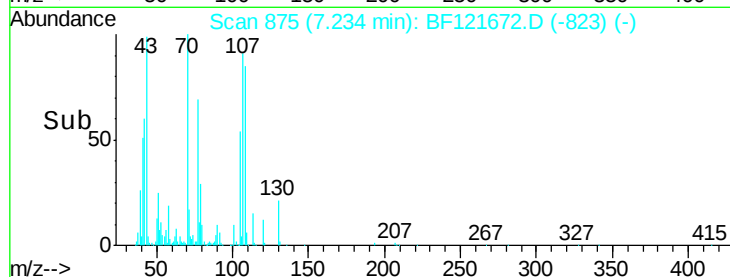
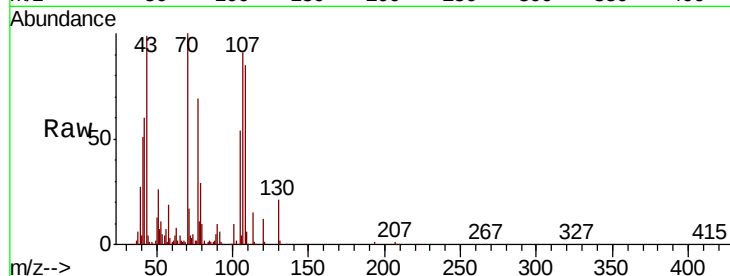
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 107   | Resp: | 373585 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 115.0 | 90.6  | 135.8  |
| 77       | 54.0  | 38.7  | 58.1   |
| 79       | 51.8  | 37.9  | 56.9   |



#18  
Hexachloroethane  
Concen: 45.172 ng  
RT: 7.32 min Scan# 890  
Delta R.T. 0.00 min  
Lab File: BF121672.D  
Acq: 23 Sep 2020 17:41

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 183960 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 95.4  | 75.7  | 113.5  |
| 201      | 92.9  | 77.5  | 116.3  |

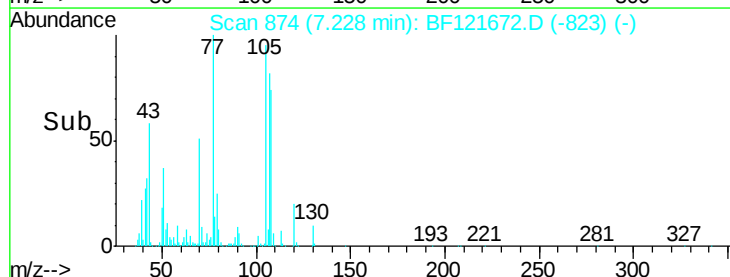
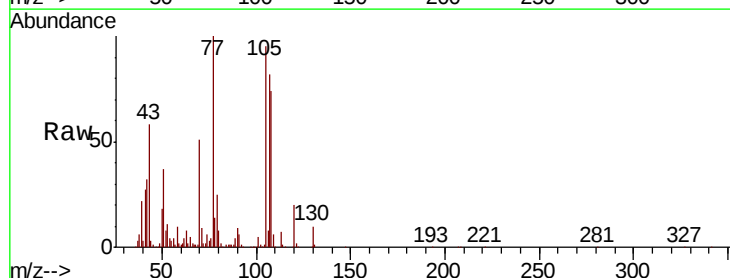
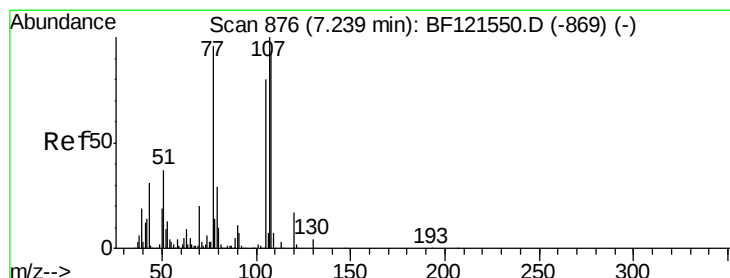
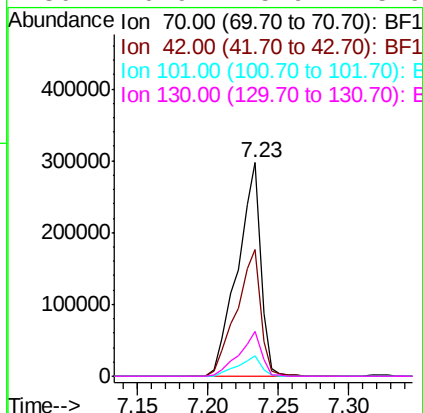




#19  
n-Nitroso-di-n-propylamine  
Concen: 45.372 ng  
RT: 7.23 min Scan# 875  
Delta R.T. 0.01 min  
Lab File: BF121672.D  
Acq: 23 Sep 2020 17:41

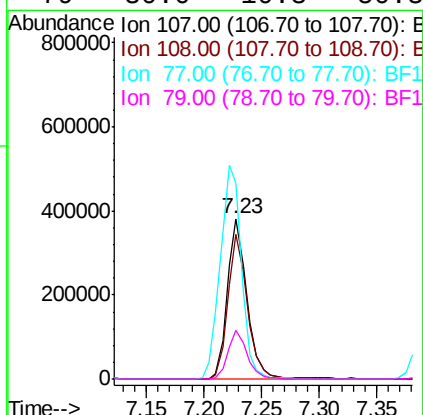
Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-092220MS

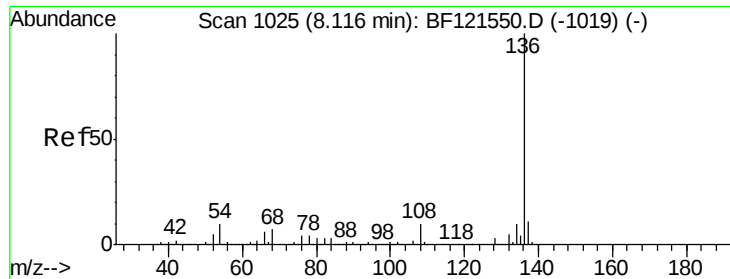
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 70    | Resp: | 341948 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 59.6  | 48.3  | 72.5   |
| 101      | 9.6   | 7.6   | 11.4   |
| 130      | 20.9  | 15.9  | 23.9   |



#20  
3+4-Methylphenols  
Concen: 43.025 ng  
RT: 7.23 min Scan# 874  
Delta R.T. 0.00 min  
Lab File: BF121672.D  
Acq: 23 Sep 2020 17:41

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 446373 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 90.4  | 67.0  | 107.0  |
| 77       | 122.0 | 107.7 | 147.7  |
| 79       | 30.0  | 10.3  | 50.3   |

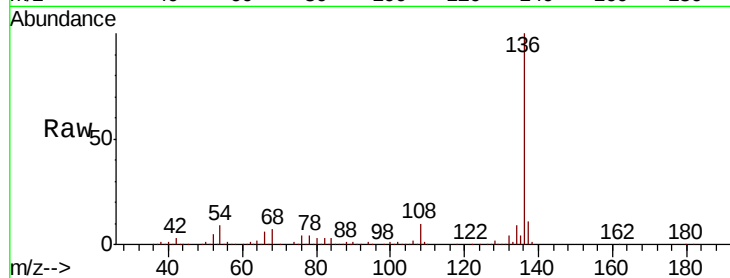




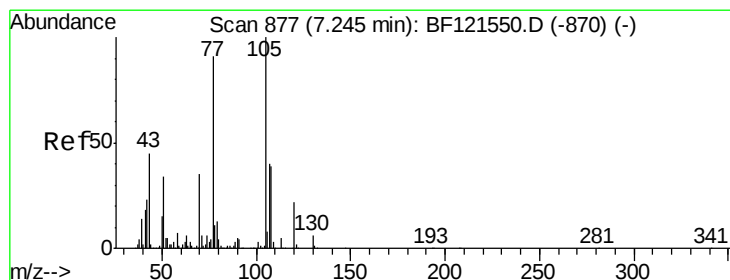
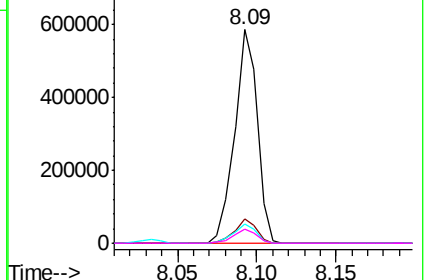
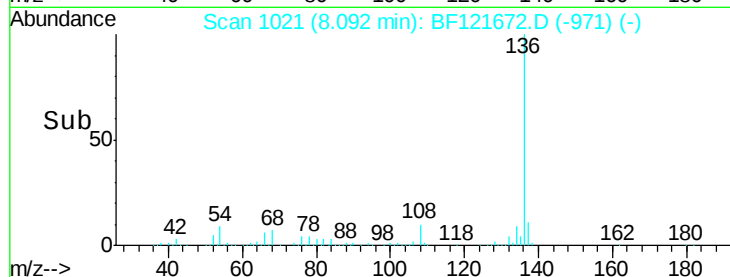
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.09 min Scan# 1021  
Delta R.T. -0.01 min  
Lab File: BF121672.D  
Acq: 23 Sep 2020 17:41

Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-092220MS

|             |       |        |  |
|-------------|-------|--------|--|
| Tot Ion:136 | Resp: | 582932 |  |
| Ion Ratio   | Lower | Upper  |  |
| 136 100     |       |        |  |
| 137 11.4    | 8.9   | 13.3   |  |
| 54 9.2      | 7.4   | 11.0   |  |
| 68 6.7      | 5.3   | 7.9    |  |

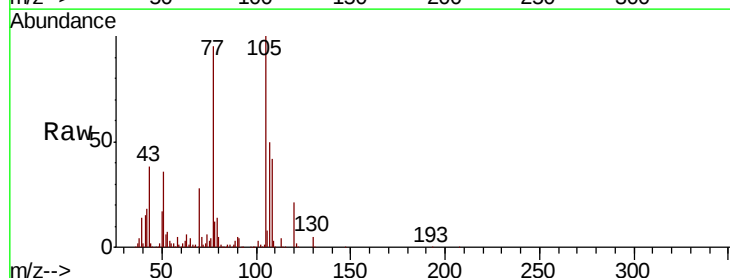


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

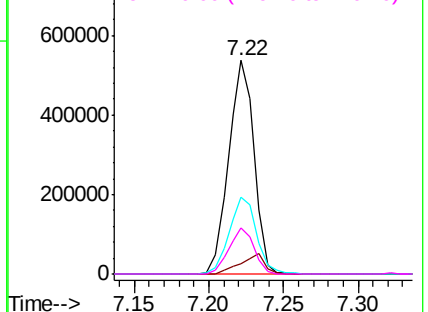
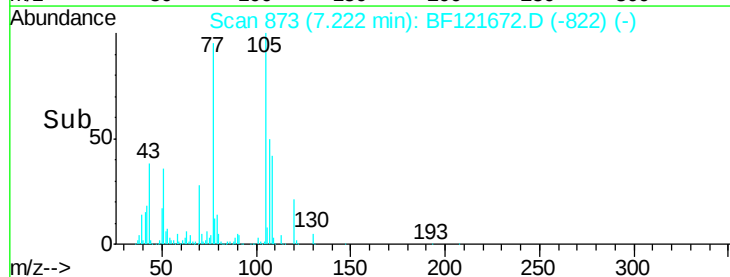


#22  
Acetophenone  
Concen: 43.487 ng  
RT: 7.22 min Scan# 873  
Delta R.T. 0.00 min  
Lab File: BF121672.D  
Acq: 23 Sep 2020 17:41

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:105 | Resp: | 643174 |
| Ion | Ratio   | Lower | Upper  |
| 105 | 100     |       |        |
| 71  | 4.7     | 5.5   | 8.3#   |
| 51  | 36.2    | 31.7  | 47.5   |
| 120 | 21.3    | 17.4  | 26.2   |



Abundance Ion 105.00 (104.70 to 105.70): E  
Ion 71.00 (70.70 to 71.70): BF1  
Ion 51.00 (50.70 to 51.70): BF1  
Ion 120.00 (119.70 to 120.70): E

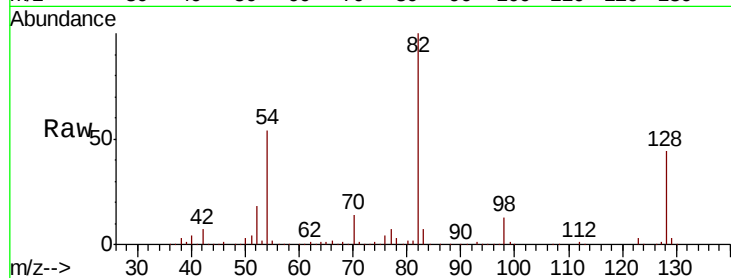




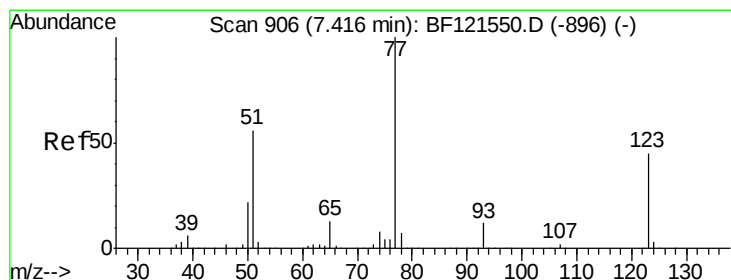
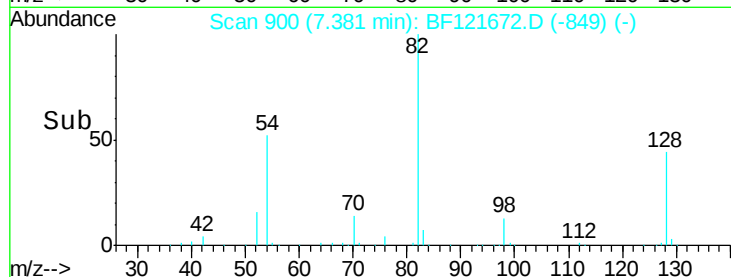
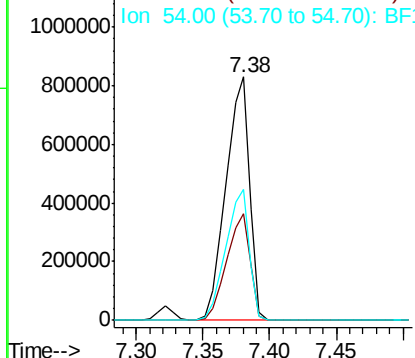
#23  
Nitrobenzene-d5  
Concen: 95.526 ng  
RT: 7.38 min Scan# 900  
Delta R.T. 0.00 min  
Lab File: BF121672.D  
Acq: 23 Sep 2020 17:41

Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-092220MS

Tot Ion: 82 Resp: 1037129  
Ion Ratio Lower Upper  
82 100  
128 43.6 33.9 50.9  
54 53.7 42.9 64.3

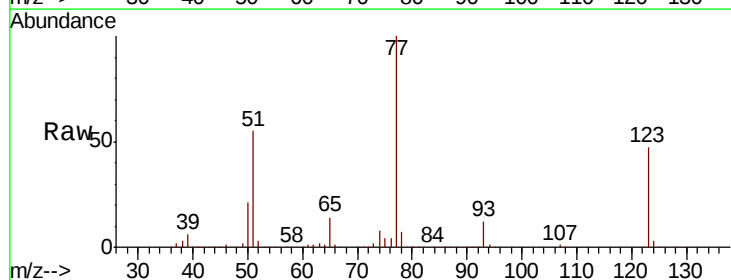


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): BF1  
Ion 54.00 (53.70 to 54.70): BF1

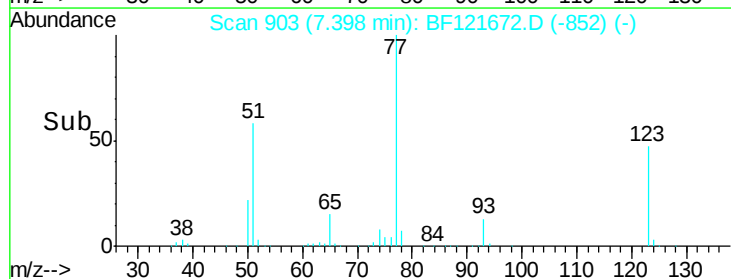
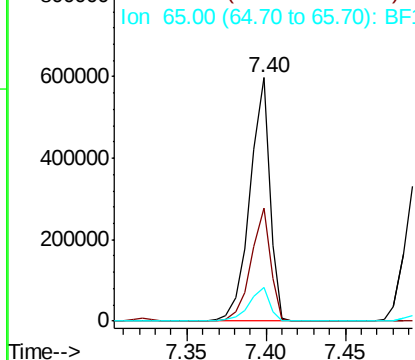


#24  
Nitrobenzene  
Concen: 44.126 ng  
RT: 7.40 min Scan# 903  
Delta R.T. 0.00 min  
Lab File: BF121672.D  
Acq: 23 Sep 2020 17:41

Tgt Ion: 77 Resp: 518151  
Ion Ratio Lower Upper  
77 100  
123 46.6 35.8 53.8  
65 13.8 11.2 16.8



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: 43.191 ng

RT: 7.64 min Scan# 944

Delta R.T. 0.00 min

Lab File: BF121672.D

Acq: 23 Sep 2020 17:41

Instrument :

BNA\_F

ClientSampleId :

HD-01-092220MS

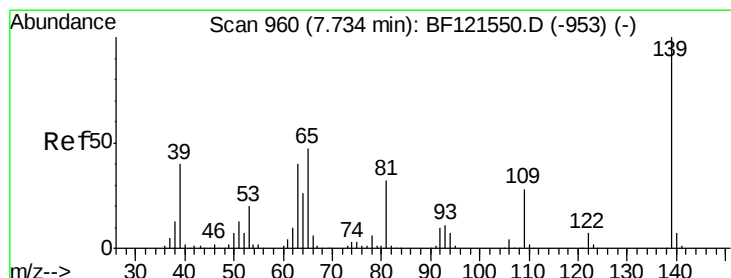
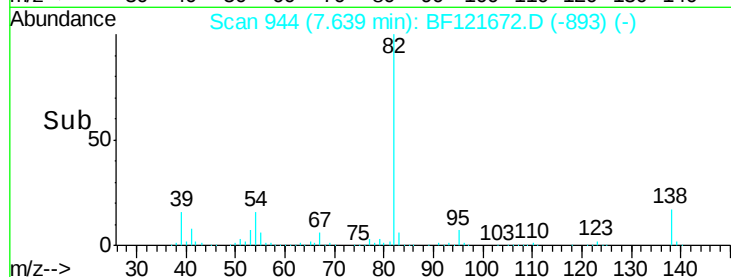
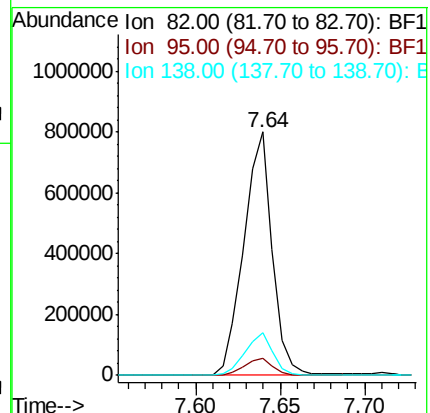
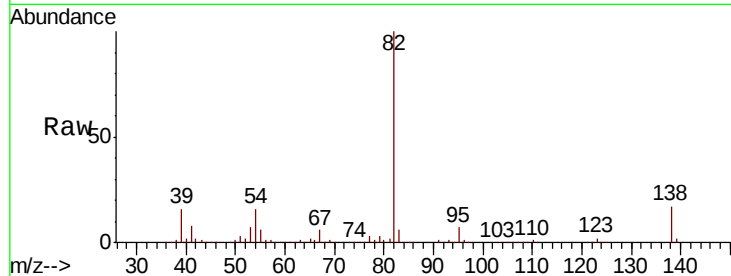
Tot Ion: 82 Resp: 943950

Ion Ratio Lower Upper

82 100

95 7.2 5.8 8.6

138 17.4 13.2 19.8



#26

2-Nitrophenol

Concen: 45.685 ng

RT: 7.71 min Scan# 956

Delta R.T. 0.00 min

Lab File: BF121672.D

Acq: 23 Sep 2020 17:41

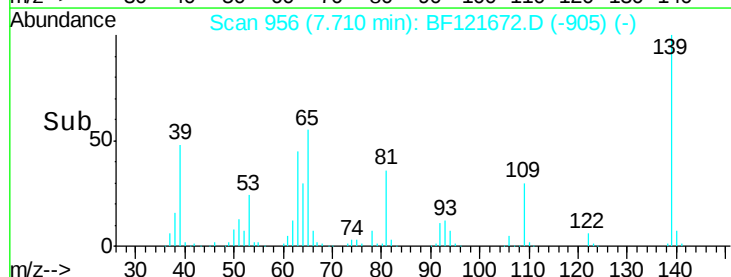
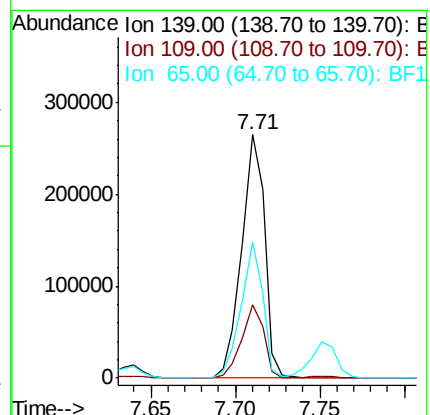
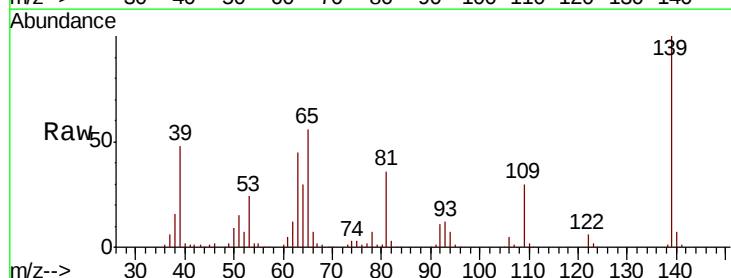
Tgt Ion: 139 Resp: 251827

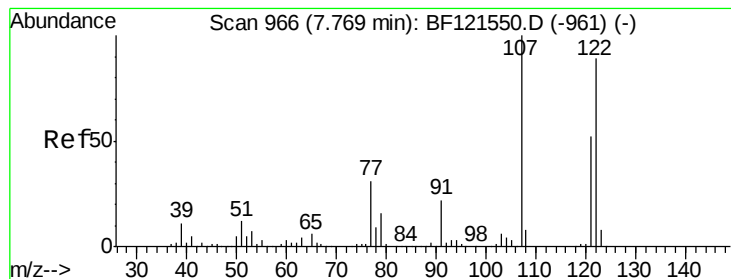
Ion Ratio Lower Upper

139 100

109 30.3 23.4 35.2

65 55.7 41.0 61.4





#27

2,4-Dimethylphenol

Concen: 42.487 ng

RT: 7.75 min Scan# 963

Delta R.T. 0.00 min

Lab File: BF121672.D

Acq: 23 Sep 2020 17:41

Instrument :

BNA\_F

ClientSampleId :

HD-01-092220MS

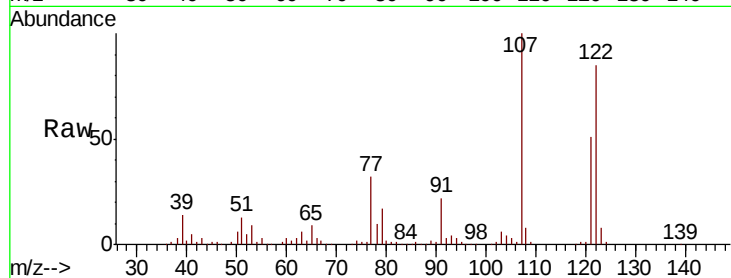
Tot Ion:122 Resp: 414495

Ion Ratio Lower Upper

122 100

107 117.3 91.4 137.0

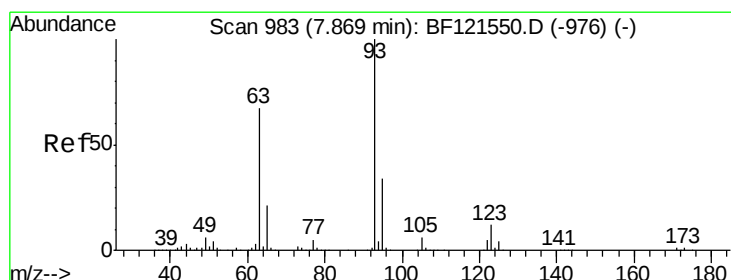
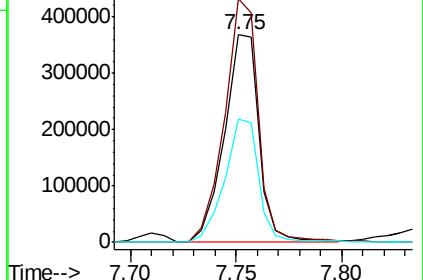
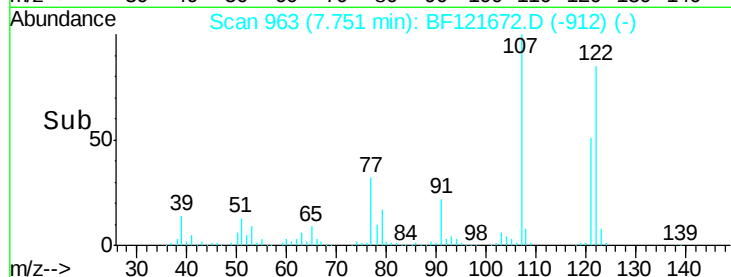
121 59.5 46.2 69.2



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: 44.189 ng

RT: 7.85 min Scan# 979

Delta R.T. 0.00 min

Lab File: BF121672.D

Acq: 23 Sep 2020 17:41

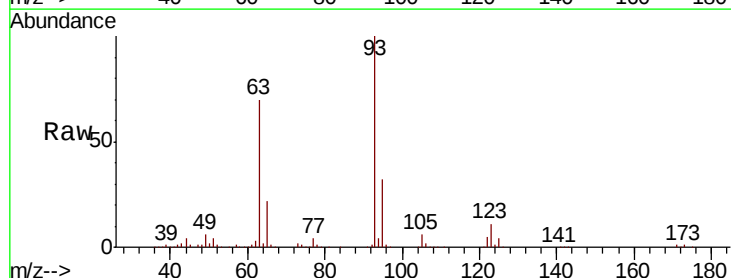
Tgt Ion: 93 Resp: 597882

Ion Ratio Lower Upper

93 100

95 32.5 26.3 39.5

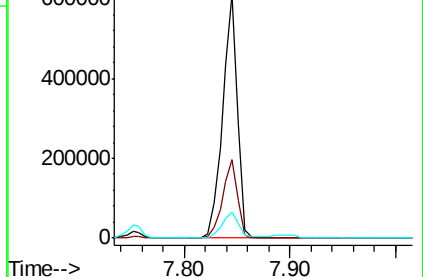
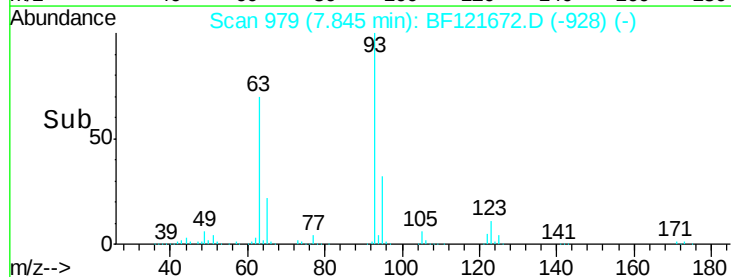
123 10.9 9.3 13.9

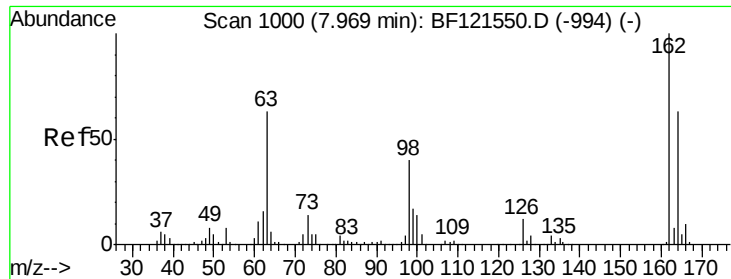


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

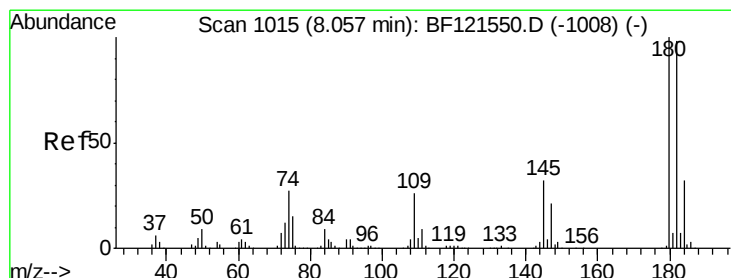
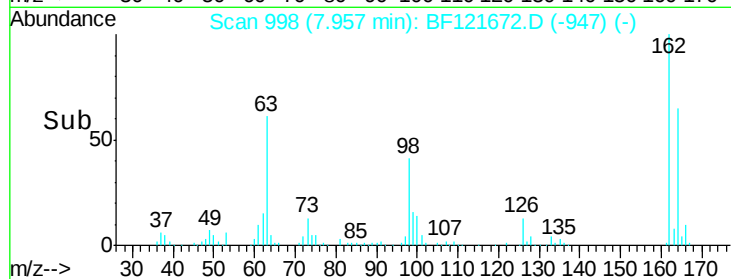
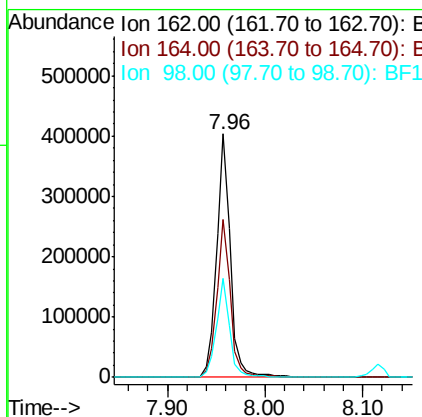
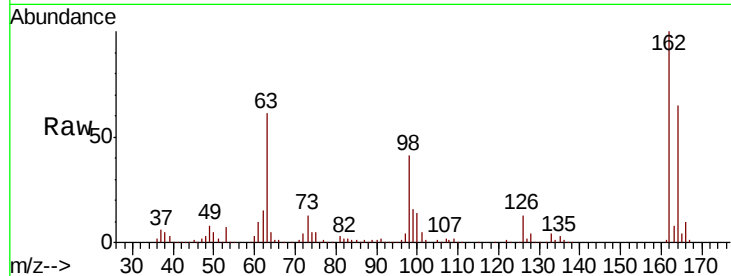




#29  
 2,4-Dichlorophenol  
 Concen: 44.550 ng  
 RT: 7.96 min Scan# 998  
 Delta R.T. 0.00 min  
 Lab File: BF121672.D  
 Acq: 23 Sep 2020 17:41

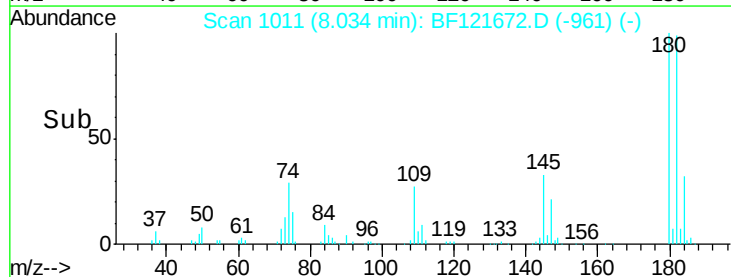
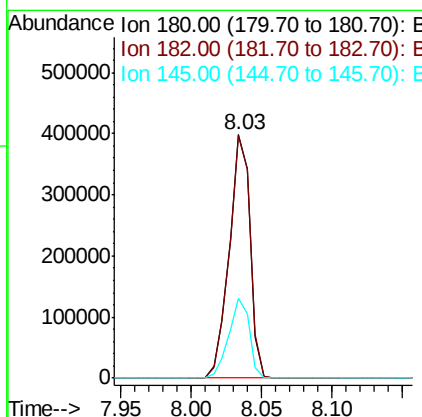
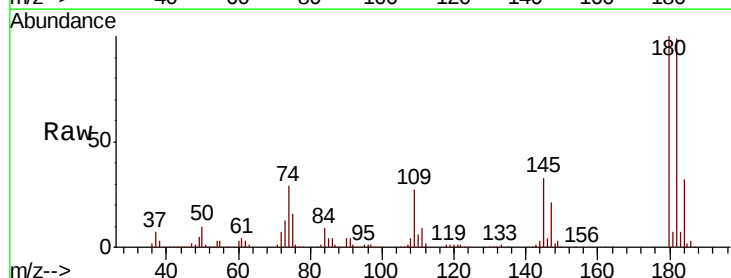
Instrument :  
 BNA\_F  
 ClientSampleId :  
 HD-01-092220MS

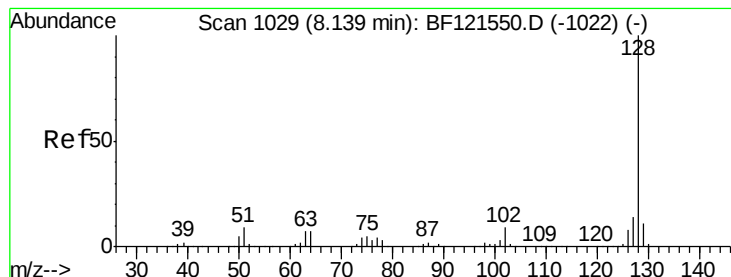
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 64.6  | 44.1  | 84.1  |
| 98      | 40.5  | 16.7  | 56.7  |



#30  
 1,2,4-Trichlorobenzene  
 Concen: 43.694 ng  
 RT: 8.03 min Scan# 1011  
 Delta R.T. -0.01 min  
 Lab File: BF121672.D  
 Acq: 23 Sep 2020 17:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 99.3  | 78.6  | 117.8 |
| 145     | 32.7  | 26.2  | 39.2  |





#31

Naphthalene

Concen: 43.196 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF121672.D

Acq: 23 Sep 2020 17:41

Instrument :

BNA\_F

ClientSampleId :

HD-01-092220MS

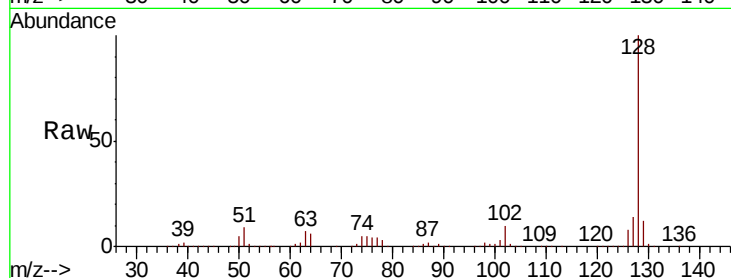
Tot Ion:128 Resp: 1329232

Ion Ratio Lower Upper

128 100

129 11.5 9.0 13.4

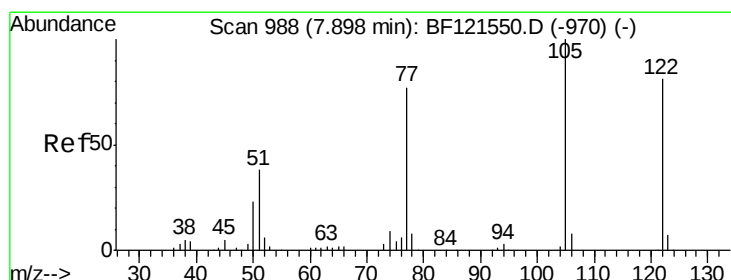
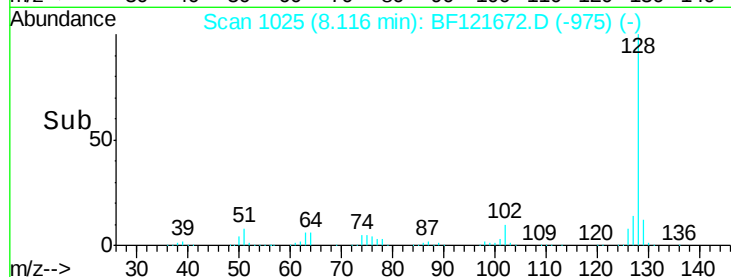
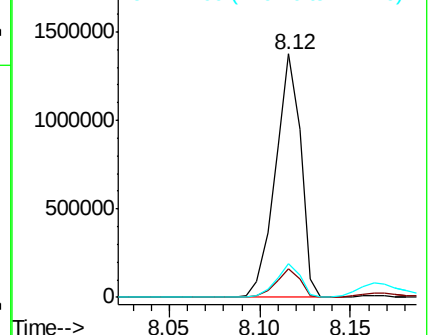
127 13.8 10.8 16.2



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: 38.389 ng

RT: 7.90 min Scan# 988

Delta R.T. 0.01 min

Lab File: BF121672.D

Acq: 23 Sep 2020 17:41

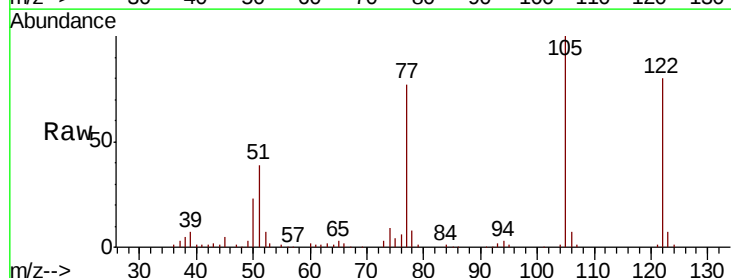
Tgt Ion:122 Resp: 267605

Ion Ratio Lower Upper

122 100

105 124.2 101.9 141.9

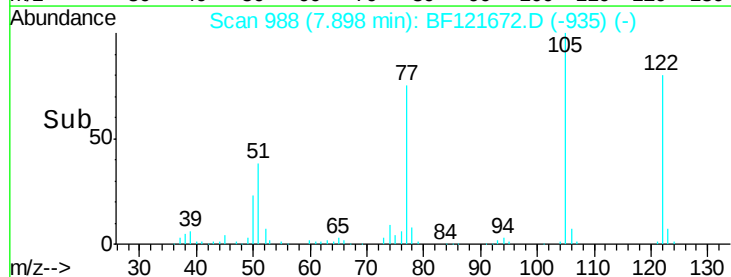
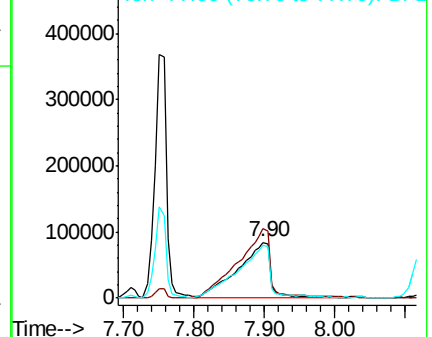
77 95.9 69.0 109.0

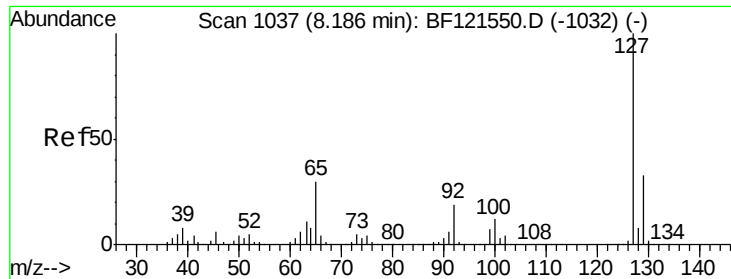


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

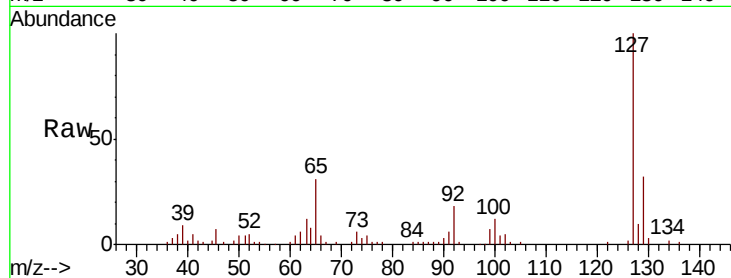




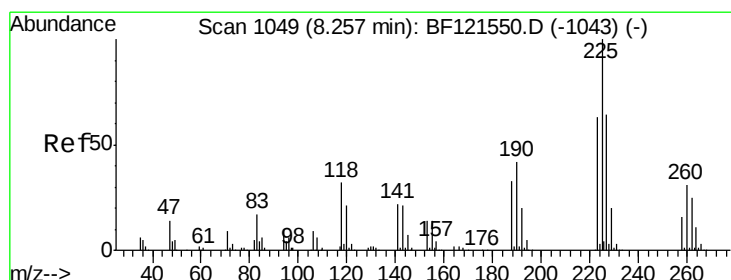
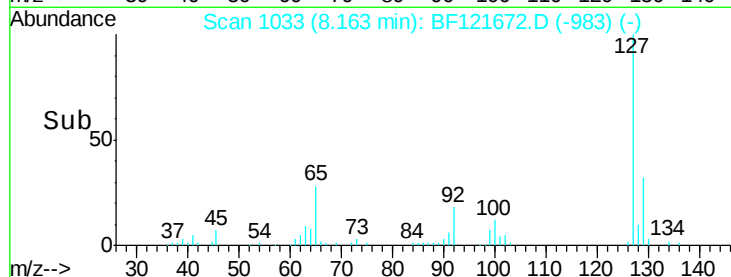
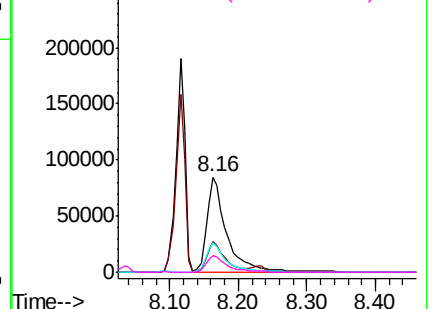
#33  
4-Chloroaniline  
Concen: 12.689 ng  
RT: 8.16 min Scan# 1033  
Delta R.T. -0.01 min  
Lab File: BF121672.D  
Acq: 23 Sep 2020 17:41

Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-092220MS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 127   | Resp: | 169255 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 32.1  | 25.8  | 38.8   |
| 65       | 30.9  | 26.3  | 39.5   |
| 92       | 18.1  | 16.2  | 24.4   |

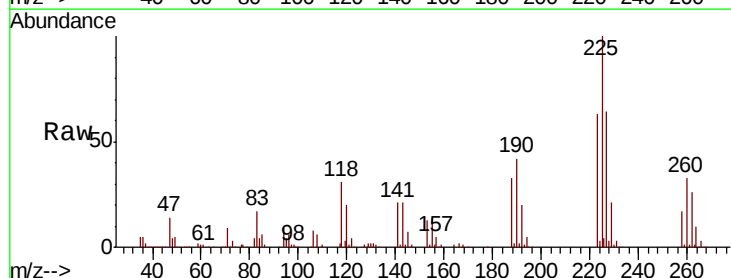


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 92.00 (91.70 to 92.70): BF1

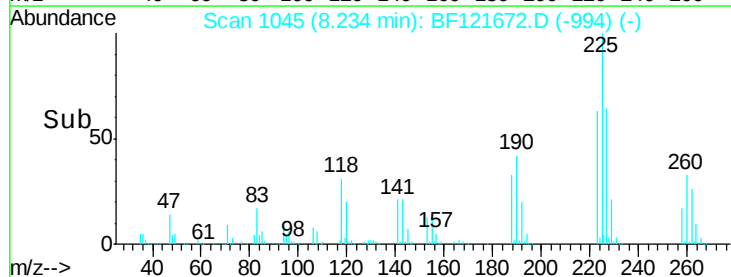
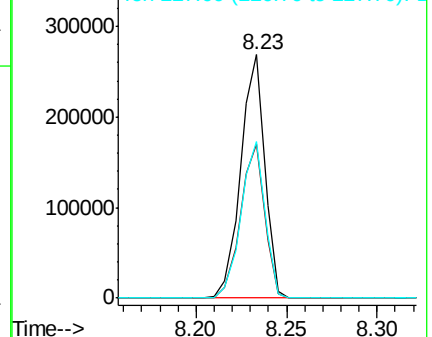


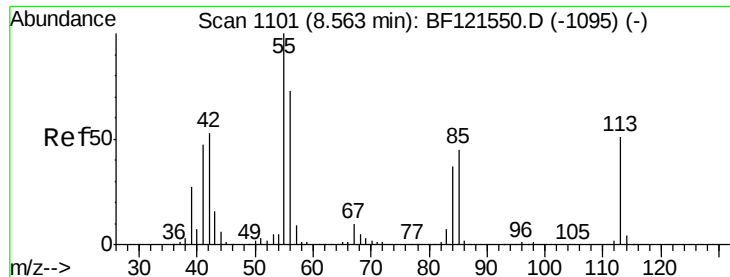
#34  
Hexachlorobutadiene  
Concen: 45.105 ng  
RT: 8.23 min Scan# 1045  
Delta R.T. 0.00 min  
Lab File: BF121672.D  
Acq: 23 Sep 2020 17:41

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 247756 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 63.2  | 51.4  | 77.2   |
| 227      | 64.3  | 51.7  | 77.5   |



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

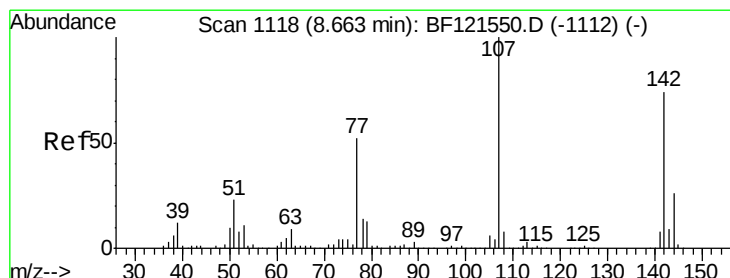
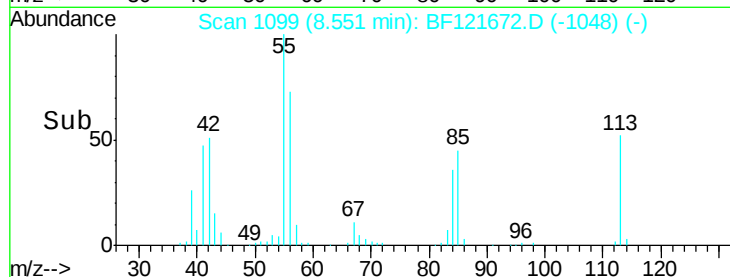
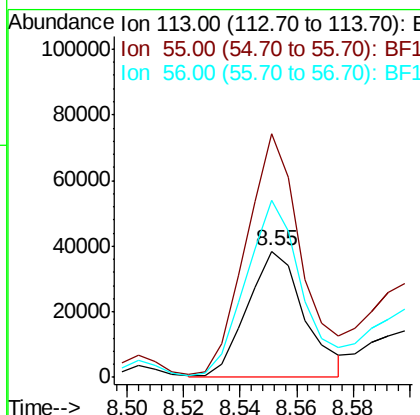
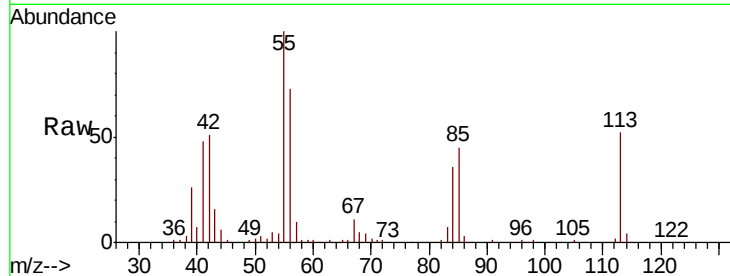




#35  
 Caprolactam  
 Concen: 18.182 ng  
 RT: 8.55 min Scan# 1099  
 Delta R.T. 0.00 min  
 Lab File: BF121672.D  
 Acq: 23 Sep 2020 17:41

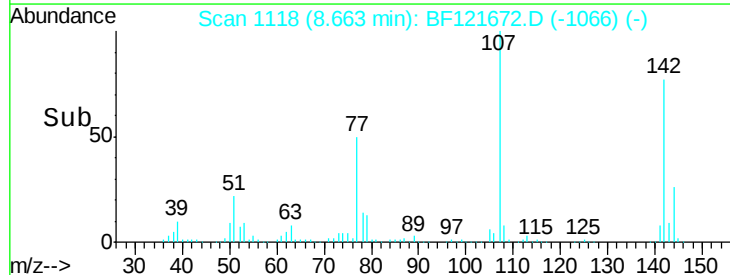
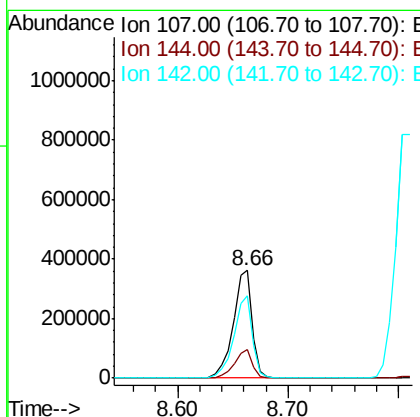
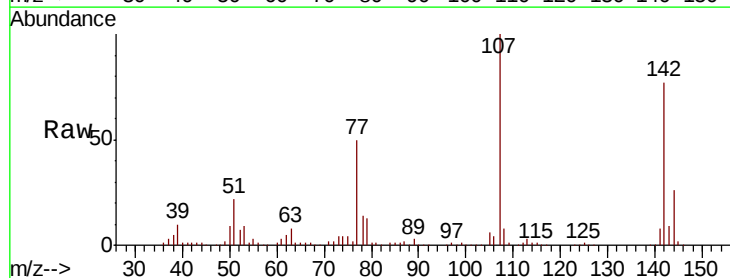
Instrument :  
 BNA\_F  
 ClientSampleId :  
 HD-01-092220MS

Tot Ion:113 Resp: 53802  
 Ion Ratio Lower Upper  
 113 100  
 55 192.6 166.3 206.3  
 56 139.6 118.7 158.7



#36  
 4-Chloro-3-methylphenol  
 Concen: 45.650 ng  
 RT: 8.66 min Scan# 1118  
 Delta R.T. 0.01 min  
 Lab File: BF121672.D  
 Acq: 23 Sep 2020 17:41

Tgt Ion:107 Resp: 436958  
 Ion Ratio Lower Upper  
 107 100  
 144 26.3 20.6 31.0  
 142 77.1 61.7 92.5





#37

2-Methylnaphthalene

Concen: 44.107 ng

RT: 8.81 min Scan# 1143

Delta R.T. 0.00 min

Lab File: BF121672.D

Acq: 23 Sep 2020 17:41

Instrument :

BNA\_F

ClientSampleId :

HD-01-092220MS

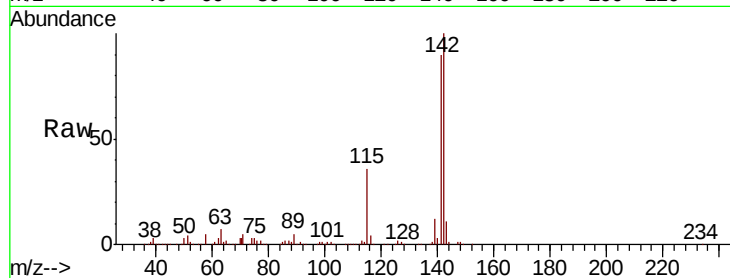
Tot Ion:142 Resp: 889470

Ion Ratio Lower Upper

142 100

141 89.6 72.2 108.2

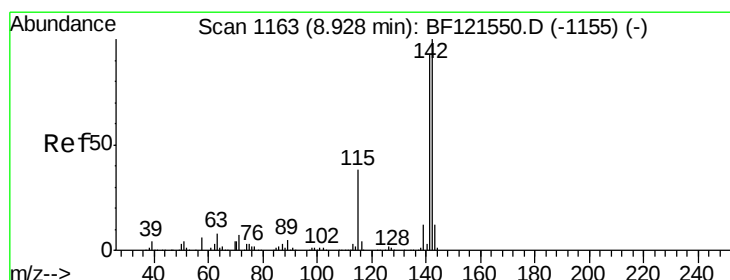
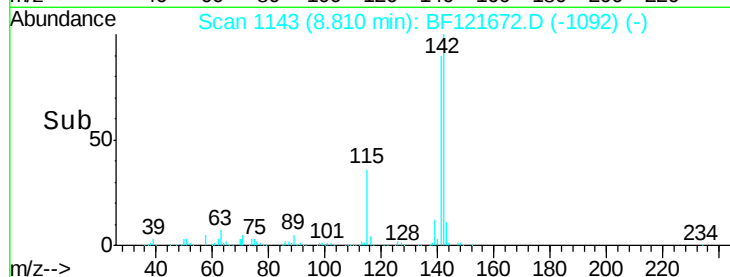
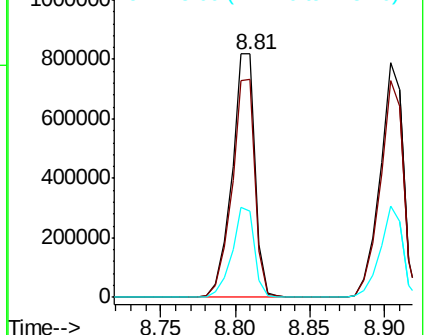
115 35.7 28.5 42.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 44.086 ng

RT: 8.90 min Scan# 1159

Delta R.T. -0.01 min

Lab File: BF121672.D

Acq: 23 Sep 2020 17:41

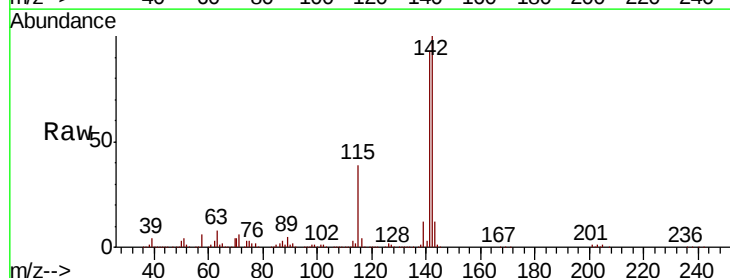
Tgt Ion:142 Resp: 827409

Ion Ratio Lower Upper

142 100

141 92.7 73.8 110.8

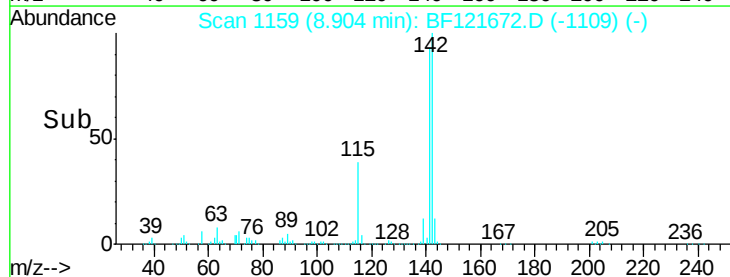
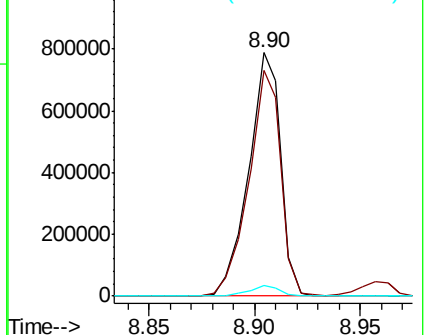
116 4.1 3.3 4.9

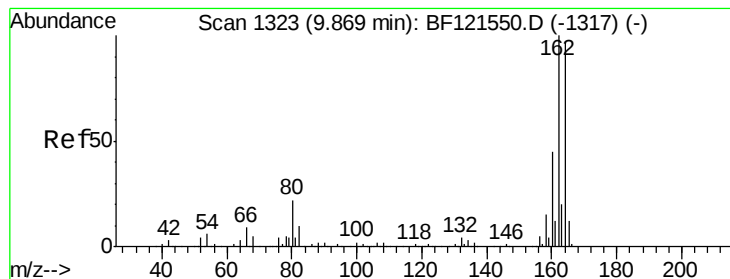


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1320

Delta R.T. 0.00 min

Lab File: BF121672.D

Acq: 23 Sep 2020 17:41

Instrument :

BNA\_F

ClientSampleId :

HD-01-092220MS

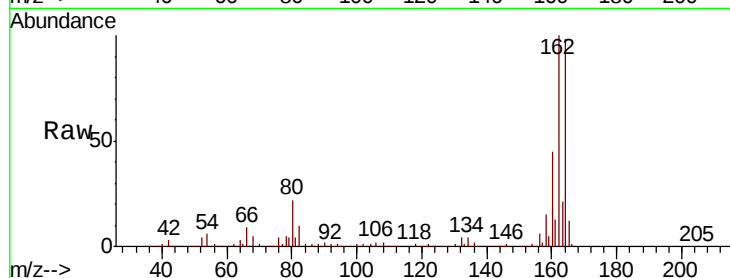
Tot Ion:164 Resp: 307968

Ion Ratio Lower Upper

164 100

162 102.4 81.2 121.8

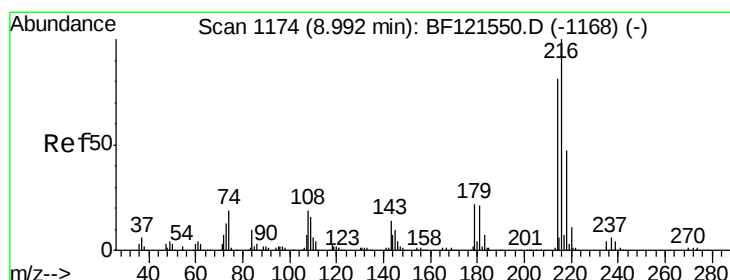
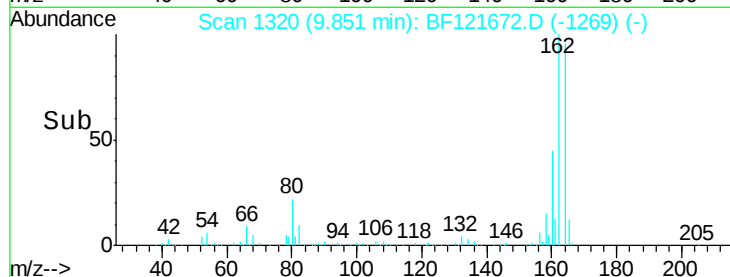
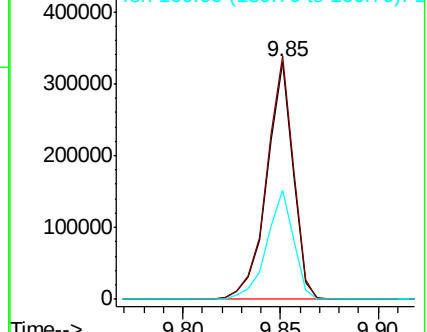
160 45.9 36.2 54.4



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 43.841 ng

RT: 8.97 min Scan# 1171

Delta R.T. 0.00 min

Lab File: BF121672.D

Acq: 23 Sep 2020 17:41

Tgt Ion:216 Resp: 421745

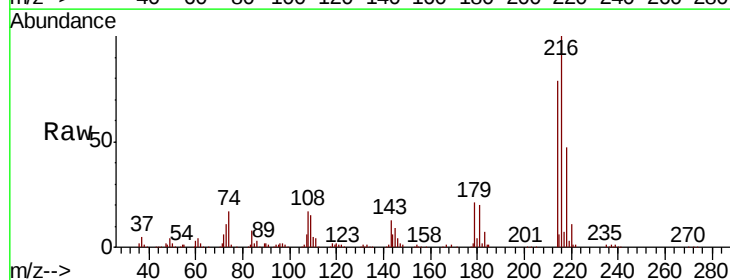
Ion Ratio Lower Upper

216 100

214 79.2 63.0 94.4

179 20.8 16.6 24.8

108 20.9 15.2 22.8

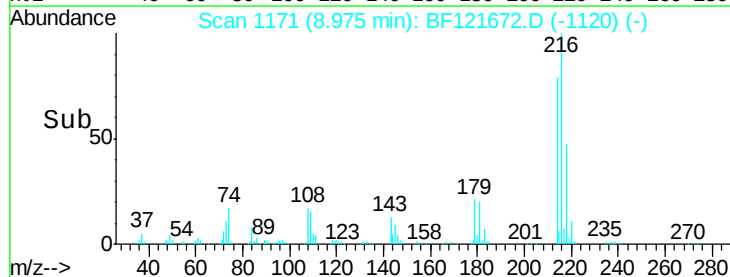
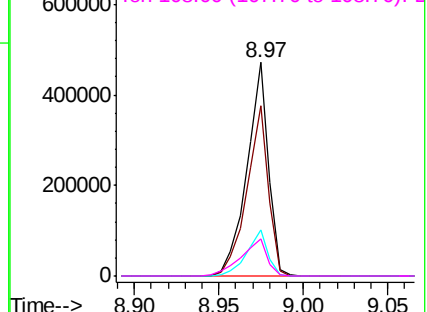


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 75.931 ng

RT: 8.96 min Scan# 1169

Delta R.T. 0.00 min

Lab File: BF121672.D

Acq: 23 Sep 2020 17:41

Instrument :

BNA\_F

ClientSampleId :

HD-01-092220MS

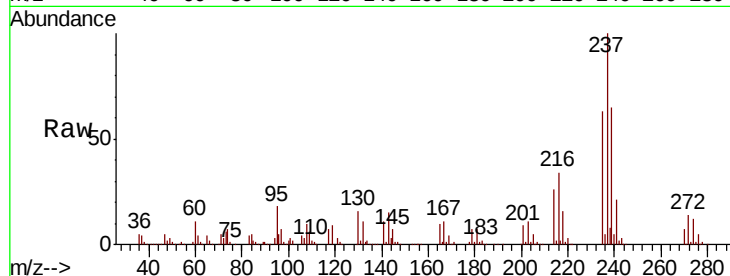
Tot Ion:237 Resp: 417142

Ion Ratio Lower Upper

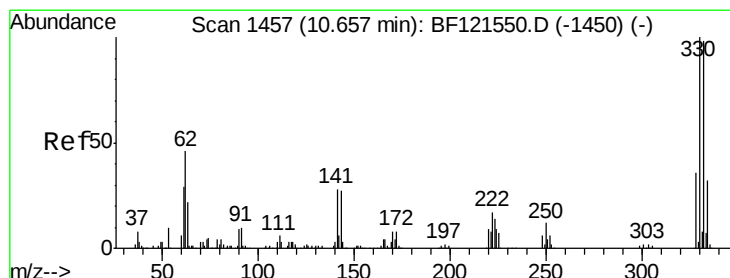
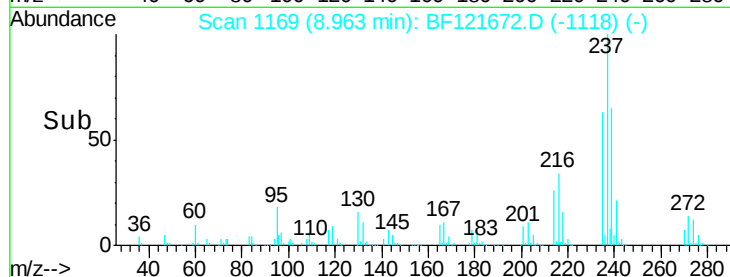
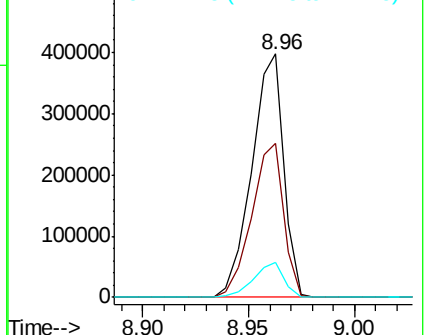
237 100

235 63.3 43.4 83.4

272 14.3 0.0 34.1



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



#42

2,4,6-Tribromophenol

Concen: 135.488 ng

RT: 10.65 min Scan# 1455

Delta R.T. 0.00 min

Lab File: BF121672.D

Acq: 23 Sep 2020 17:41

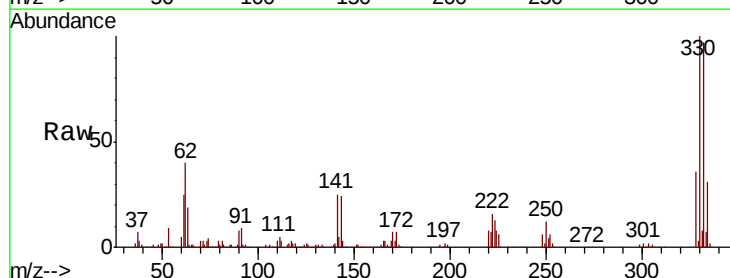
Tgt Ion:330 Resp: 518599

Ion Ratio Lower Upper

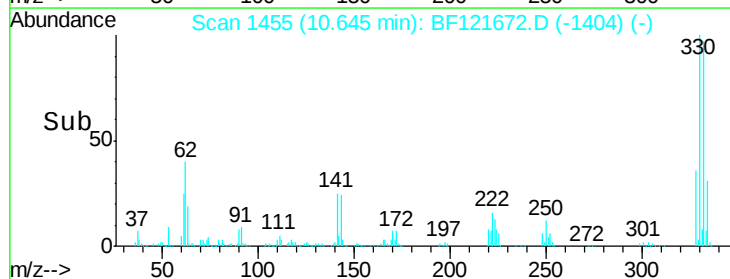
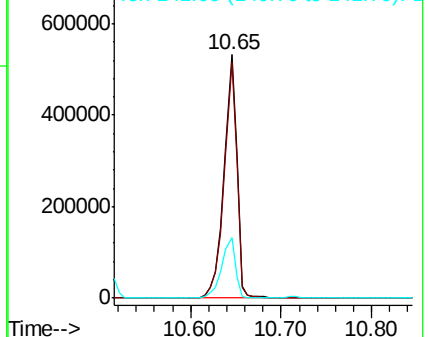
330 100

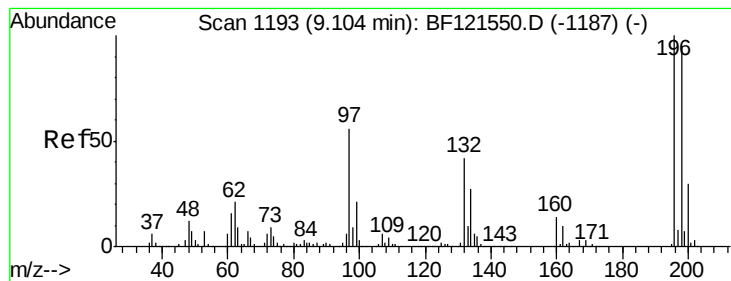
332 96.4 76.9 115.3

141 26.8 22.4 33.6



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





#43

2,4,6-Trichlorophenol

Concen: 45.012 ng

RT: 9.09 min Scan# 1191

Delta R.T. 0.00 min

Lab File: BF121672.D

Acq: 23 Sep 2020 17:41

Instrument :

BNA\_F

ClientSampleId :

HD-01-092220MS

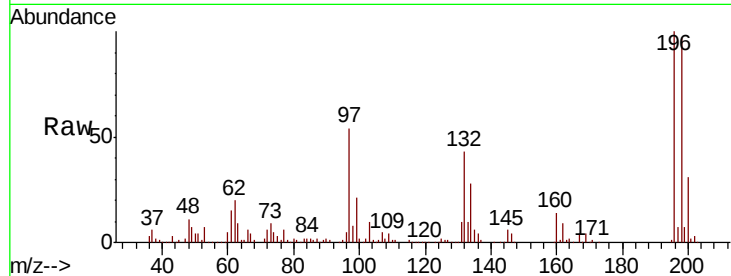
Tot Ion:196 Resp: 295148

Ion Ratio Lower Upper

196 100

198 96.7 75.4 113.2

200 30.8 24.5 36.7

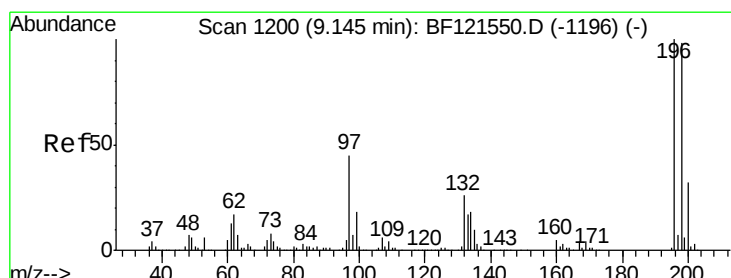
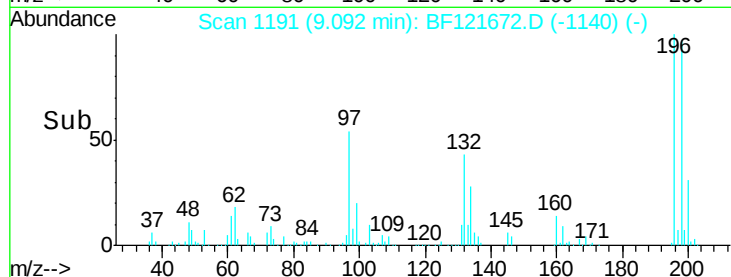
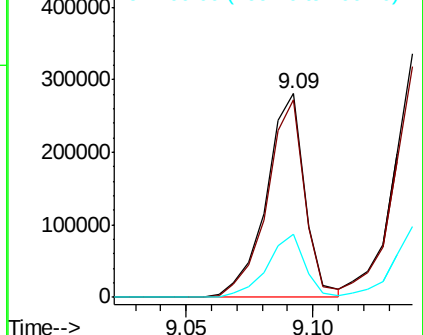


Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#44

2,4,5-Trichlorophenol

Concen: 45.674 ng

RT: 9.14 min Scan# 1199

Delta R.T. 0.01 min

Lab File: BF121672.D

Acq: 23 Sep 2020 17:41

Tgt Ion:196 Resp: 316606

Ion Ratio Lower Upper

196 100

198 95.0 74.3 111.5

97 50.0 44.2 66.2

132 27.5 23.4 35.0

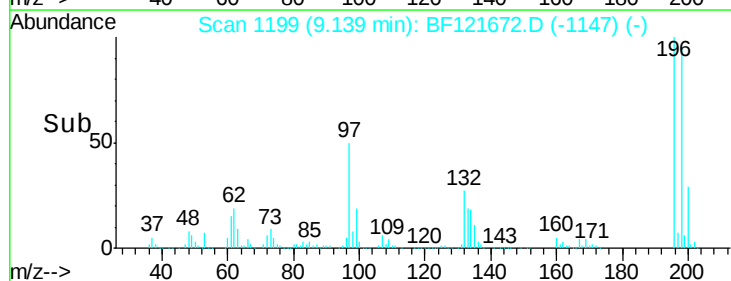
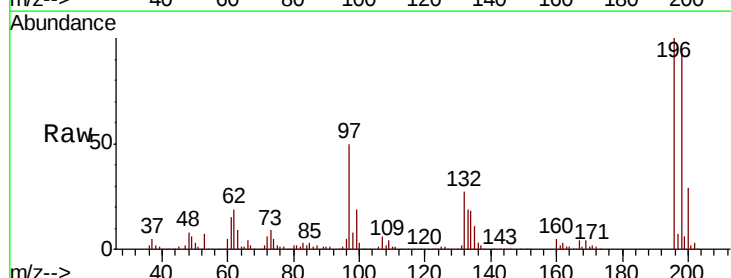
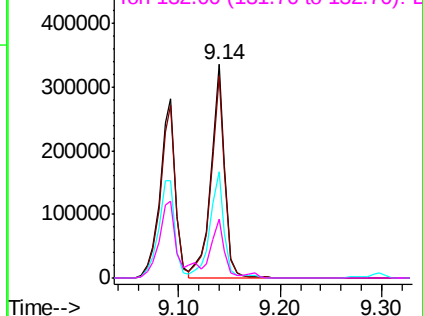
Abundance

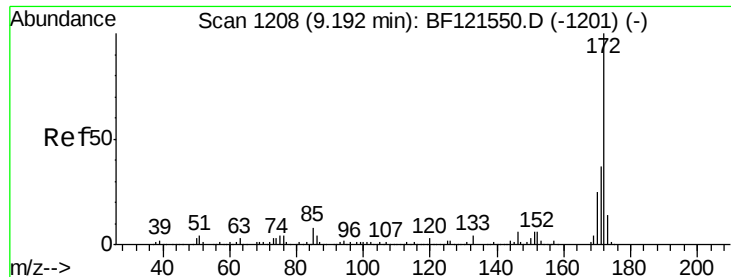
Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF1

Ion 132.00 (131.70 to 132.70): E

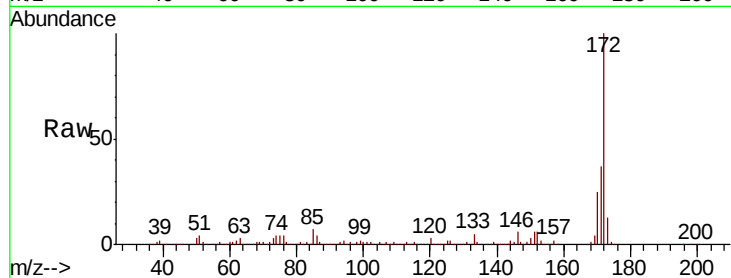




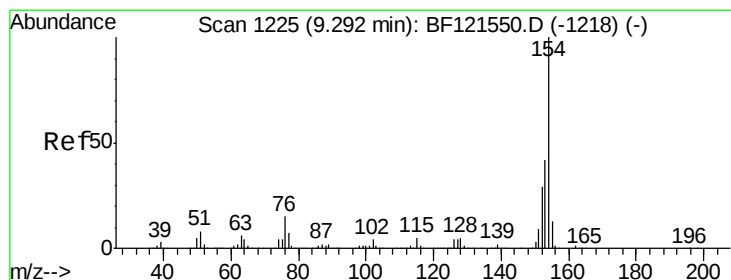
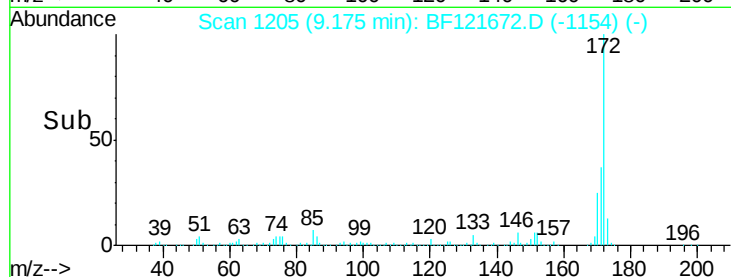
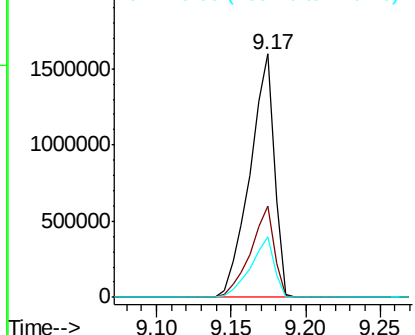
#45  
 2-Fluorobiphenyl  
 Concen: 88.701 ng  
 RT: 9.17 min Scan# 1205  
 Delta R.T. 0.00 min  
 Lab File: BF121672.D  
 Acq: 23 Sep 2020 17:41

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HD-01-092220MS

Tot Ion:172 Resp: 1803661  
 Ion Ratio Lower Upper  
 172 100  
 171 37.3 29.3 43.9  
 170 24.8 19.5 29.3

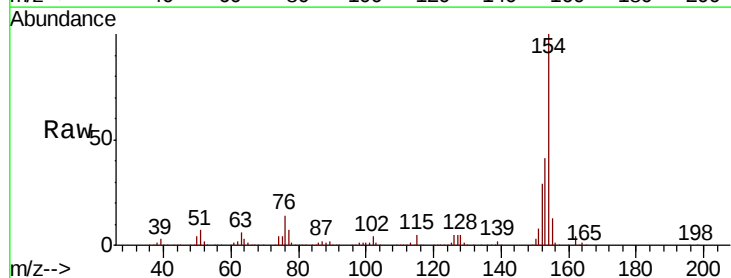


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

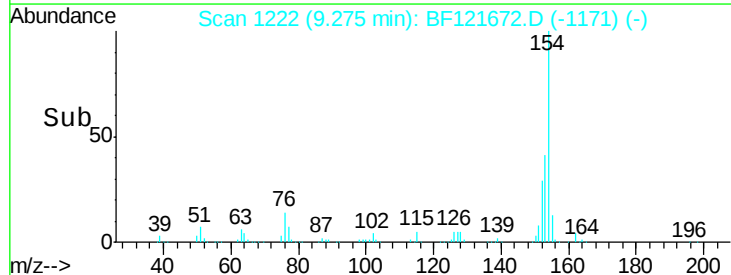
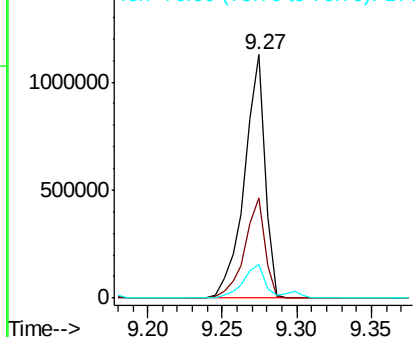


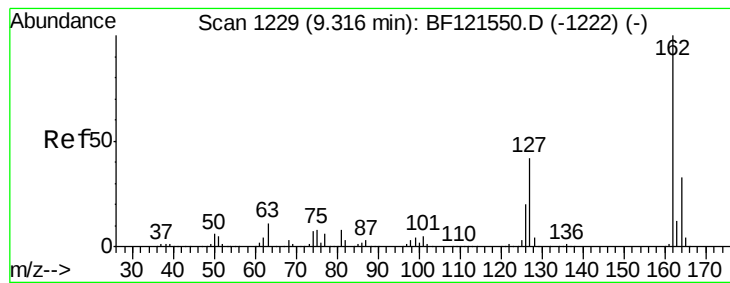
#46  
 1,1'-Biphenyl  
 Concen: 43.624 ng  
 RT: 9.27 min Scan# 1222  
 Delta R.T. 0.00 min  
 Lab File: BF121672.D  
 Acq: 23 Sep 2020 17:41

Tgt Ion:154 Resp: 1075543  
 Ion Ratio Lower Upper  
 154 100  
 153 41.0 21.1 61.1  
 76 13.8 0.0 34.1



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





#47

2-Chloronaphthalene

Concen: 43.688 ng

RT: 9.30 min Scan# 1226

Delta R.T. 0.00 min

Lab File: BF121672.D

Acq: 23 Sep 2020 17:41

Instrument :

BNA\_F

ClientSampleId :

HD-01-092220MS

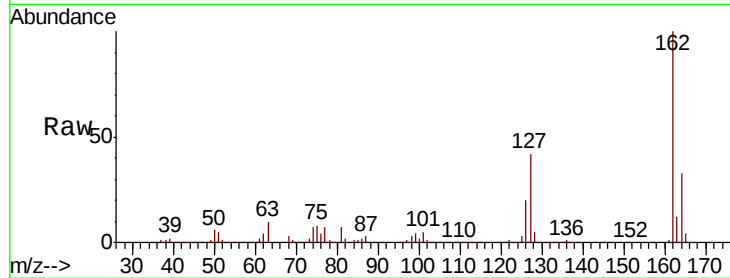
Tot Ion:162 Resp: 848794

Ion Ratio Lower Upper

162 100

127 42.4 34.2 51.4

164 33.1 27.0 40.4

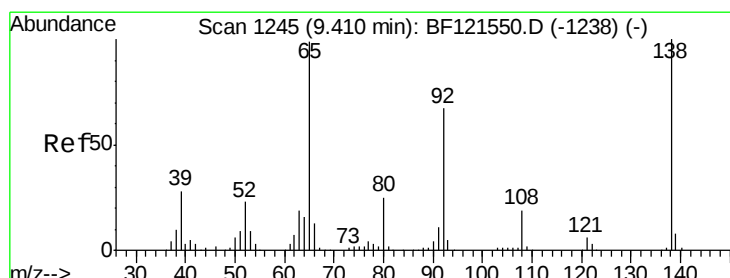
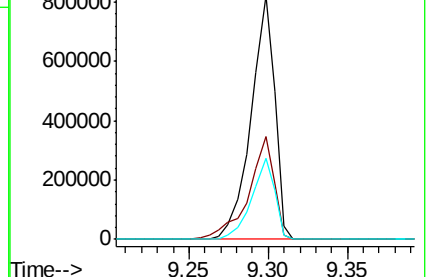
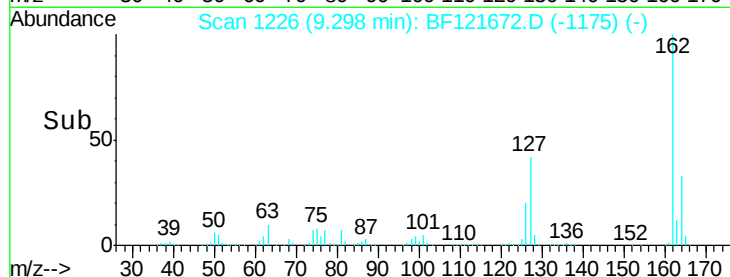


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

Time-->



#48

2-Nitroaniline

Concen: 48.005 ng

RT: 9.40 min Scan# 1243

Delta R.T. 0.00 min

Lab File: BF121672.D

Acq: 23 Sep 2020 17:41

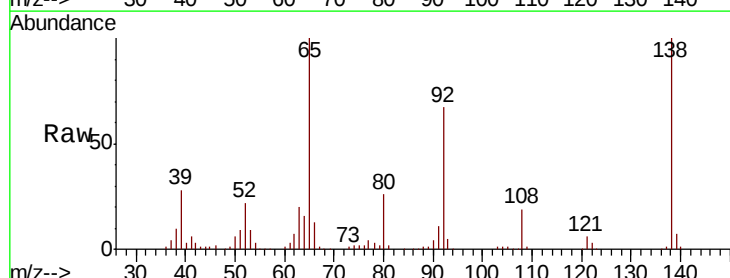
Tgt Ion: 65 Resp: 289828

Ion Ratio Lower Upper

65 100

92 67.5 56.0 84.0

138 99.8 84.7 127.1

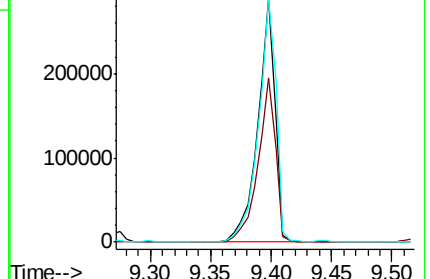
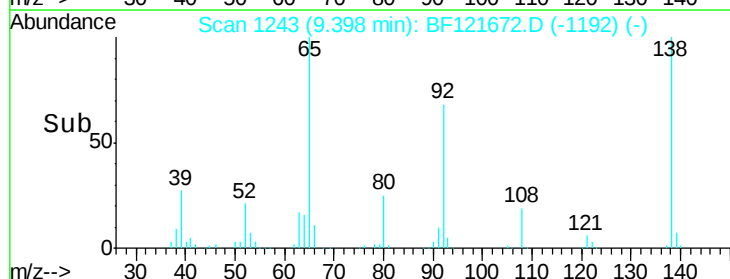


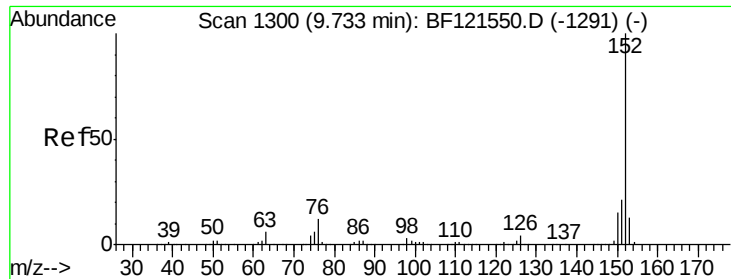
Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E

Time-->





#49

Acenaphthylene

Concen: 43.376 ng

RT: 9.72 min Scan# 1297

Delta R.T. 0.00 min

Lab File: BF121672.D

Acq: 23 Sep 2020 17:41

Instrument :

BNA\_F

ClientSampleId :

HD-01-092220MS

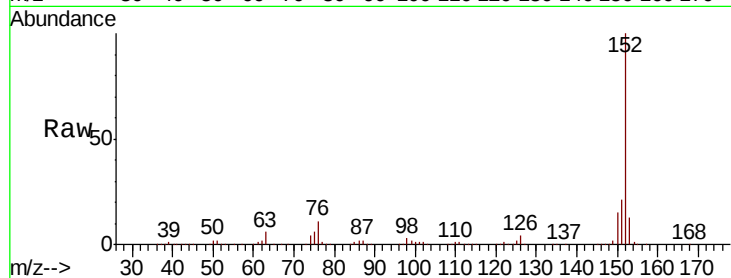
Tot Ion:152 Resp: 1294835

Ion Ratio Lower Upper

152 100

151 20.8 16.3 24.5

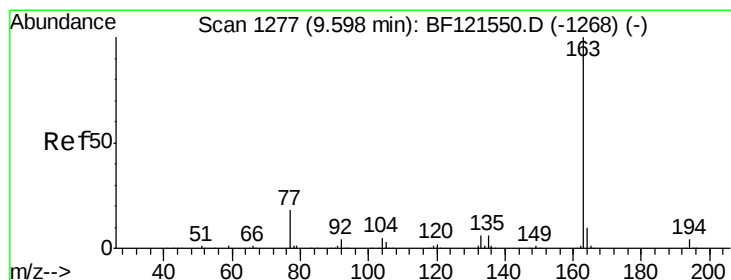
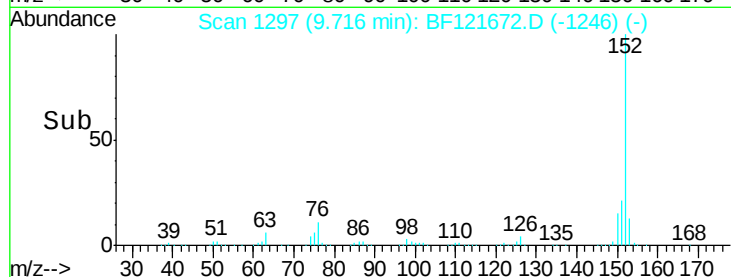
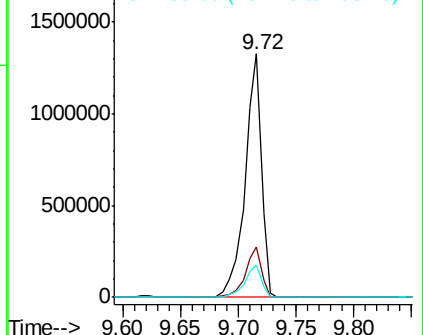
153 13.5 10.7 16.1



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 46.426 ng

RT: 9.58 min Scan# 1274

Delta R.T. 0.00 min

Lab File: BF121672.D

Acq: 23 Sep 2020 17:41

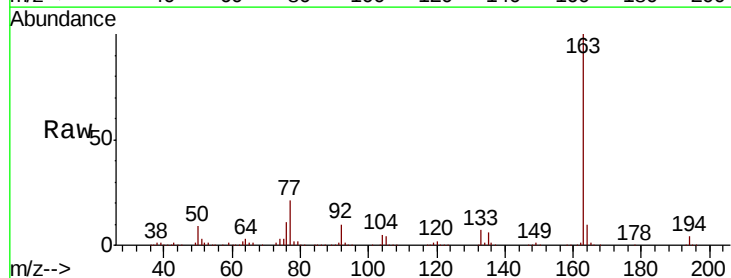
Tgt Ion:163 Resp: 1036273

Ion Ratio Lower Upper

163 100

194 4.1 3.3 4.9

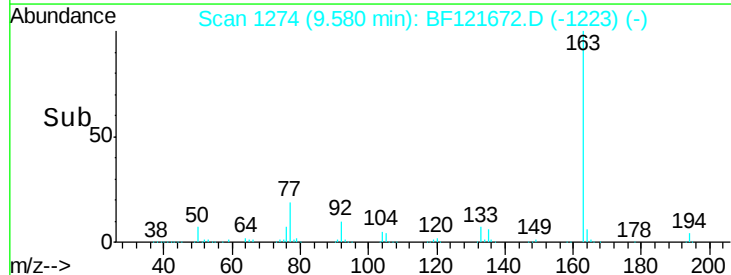
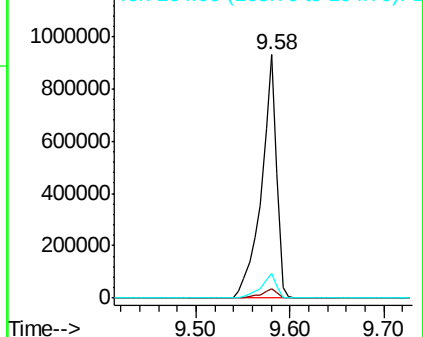
164 10.1 8.0 12.0

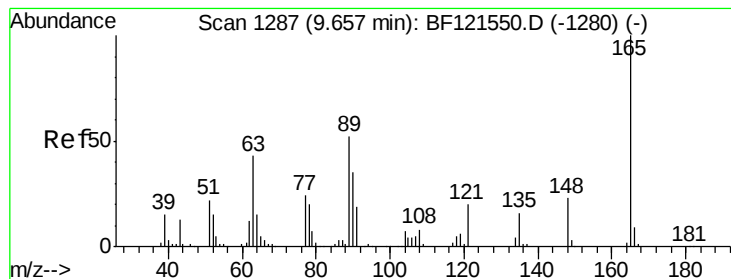


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 49.036 ng

RT: 9.64 min Scan# 1284

Delta R.T. 0.00 min

Lab File: BF121672.D

Acq: 23 Sep 2020 17:41

Instrument :

BNA\_F

ClientSampleId :

HD-01-092220MS

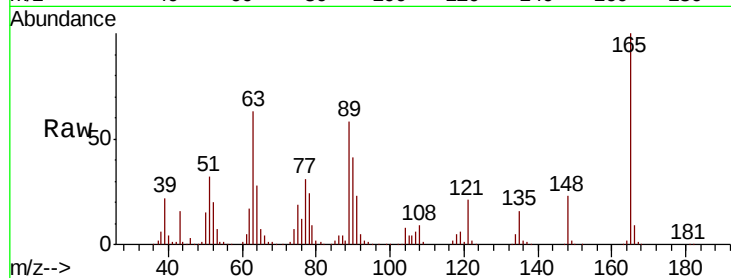
Tot Ion:165 Resp: 233101

Ion Ratio Lower Upper

165 100

63 62.7 47.6 71.4

89 57.8 46.0 69.0



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

300000

200000

100000

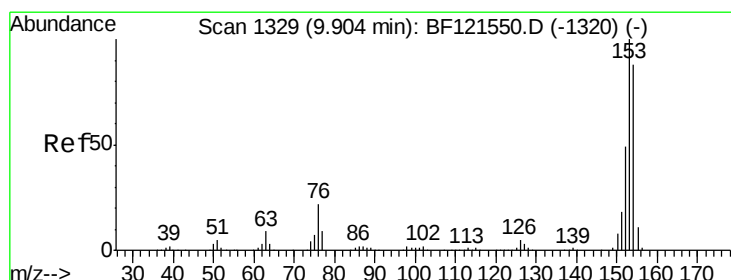
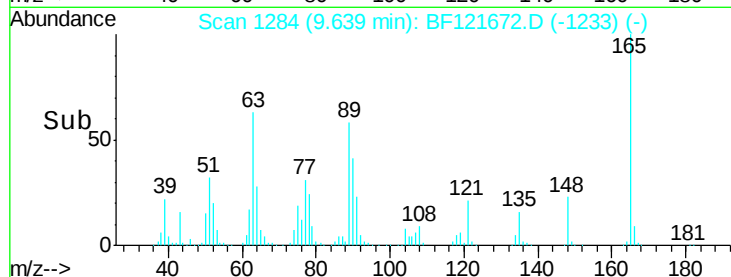
0

9.64

9.65

9.70

Time-->



#52

Acenaphthene

Concen: 41.507 ng

RT: 9.89 min Scan# 1326

Delta R.T. 0.00 min

Lab File: BF121672.D

Acq: 23 Sep 2020 17:41

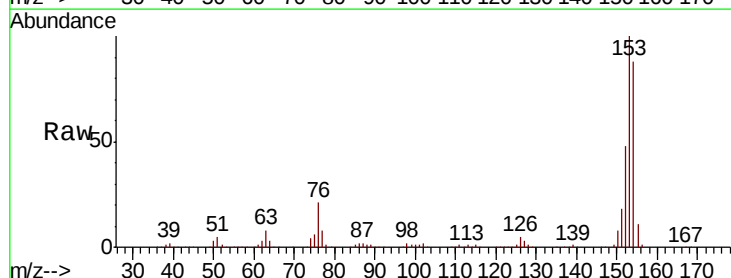
Tgt Ion:154 Resp: 782596

Ion Ratio Lower Upper

154 100

153 113.5 89.9 134.9

152 54.7 43.8 65.6



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

1200000

1000000

800000

600000

400000

200000

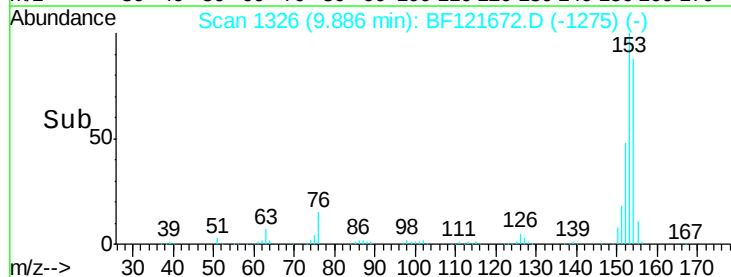
0

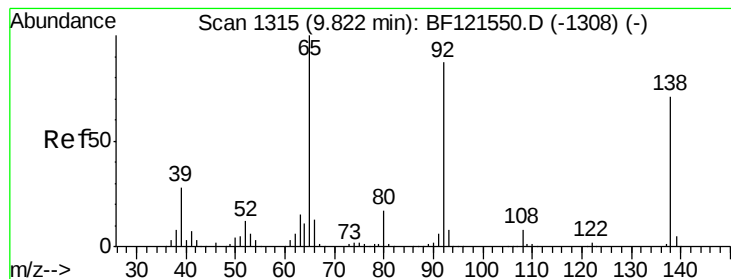
9.89

9.85

9.90

Time-->





#53

3-Nitroaniline

Concen: 24.638 ng

RT: 9.81 min Scan# 1313

Delta R.T. 0.00 min

Lab File: BF121672.D

Acq: 23 Sep 2020 17:41

Instrument :

BNA\_F

ClientSampleId :

HD-01-092220MS

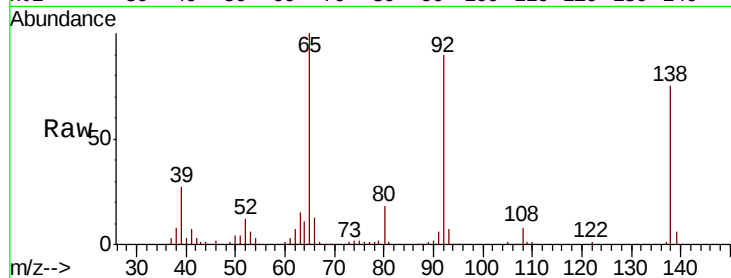
Tot Ion:138 Resp: 135674

Ion Ratio Lower Upper

138 100

108 11.0 9.1 13.7

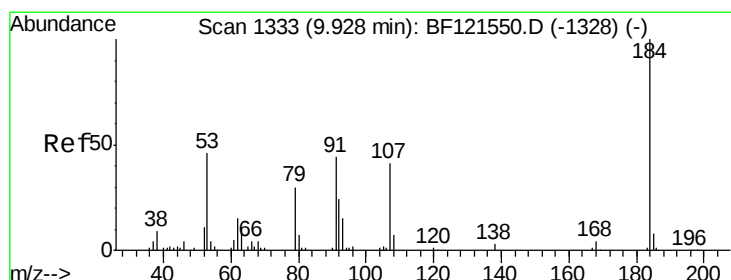
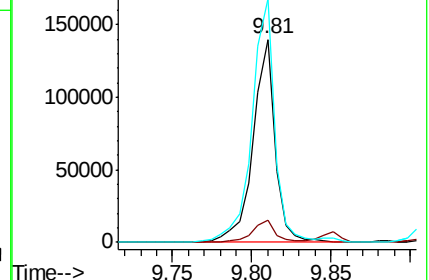
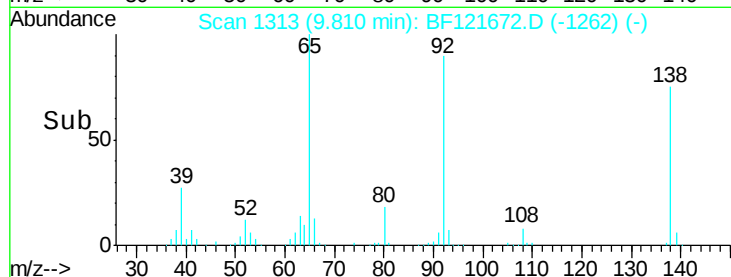
92 120.0 96.5 144.7



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54

2,4-Dinitrophenol

Concen: 93.937 ng

RT: 9.92 min Scan# 1332

Delta R.T. 0.01 min

Lab File: BF121672.D

Acq: 23 Sep 2020 17:41

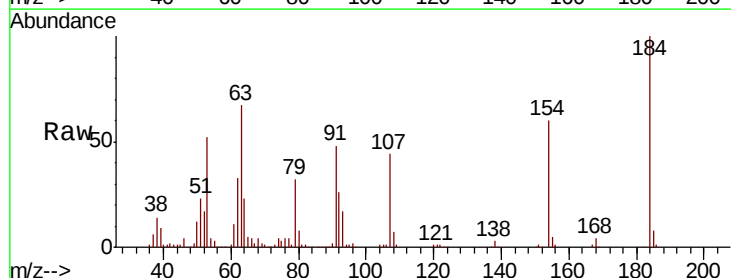
Tgt Ion:184 Resp: 262427

Ion Ratio Lower Upper

184 100

63 66.7 51.5 77.3

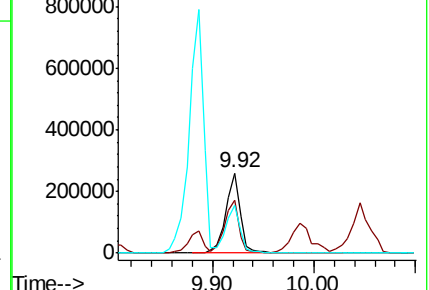
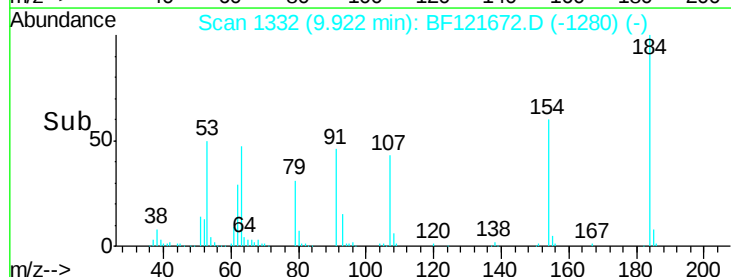
154 60.3 46.6 70.0



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





#55

Dibenzofuran

Concen: 43.600 ng

RT: 10.06 min Scan# 1355

Delta R.T. 0.00 min

Lab File: BF121672.D

Acq: 23 Sep 2020 17:41

Instrument :

BNA\_F

ClientSampleId :

HD-01-092220MS

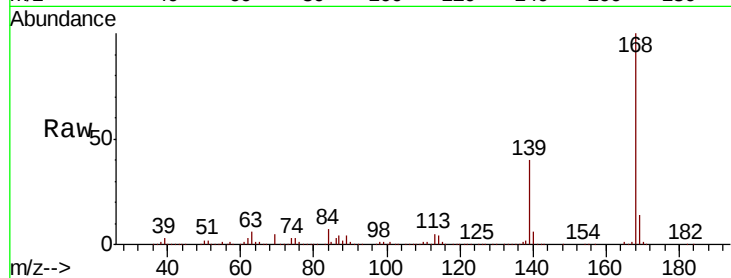
Tot Ion:168 Resp: 1157672

Ion Ratio Lower Upper

168 100

139 40.1 31.8 47.8

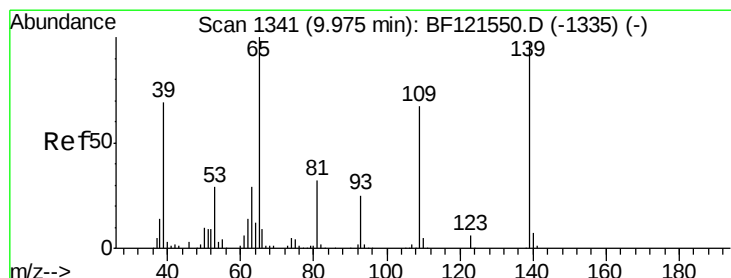
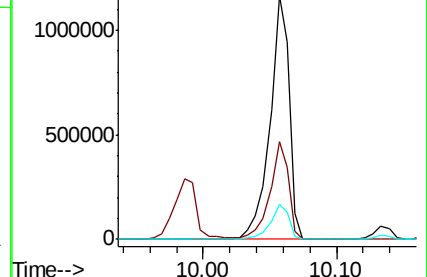
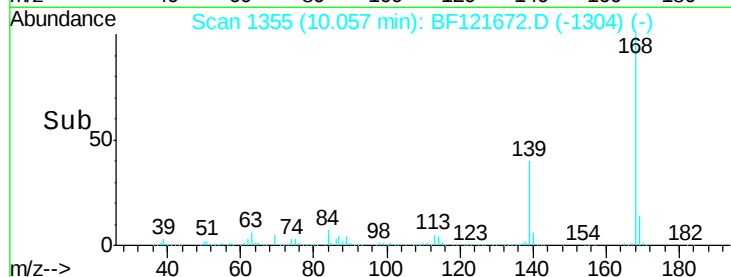
169 14.4 11.6 17.4



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: 78.187 ng

RT: 9.99 min Scan# 1343

Delta R.T. 0.01 min

Lab File: BF121672.D

Acq: 23 Sep 2020 17:41

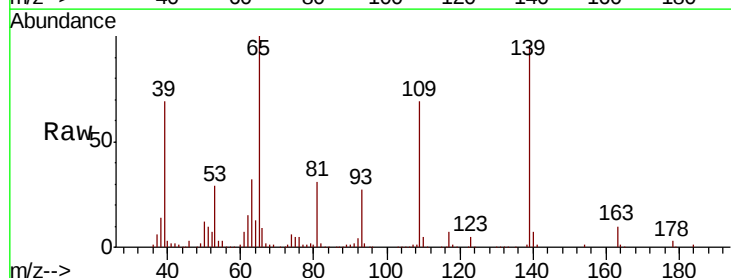
Tgt Ion:139 Resp: 343370

Ion Ratio Lower Upper

139 100

109 71.6 48.1 88.1

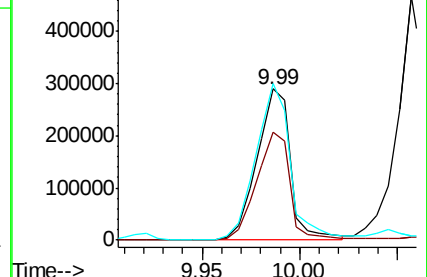
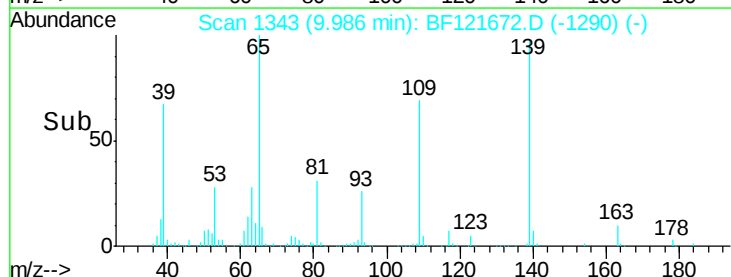
65 103.6 74.7 114.7

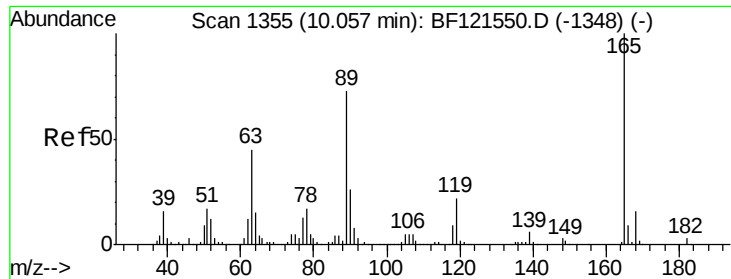


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

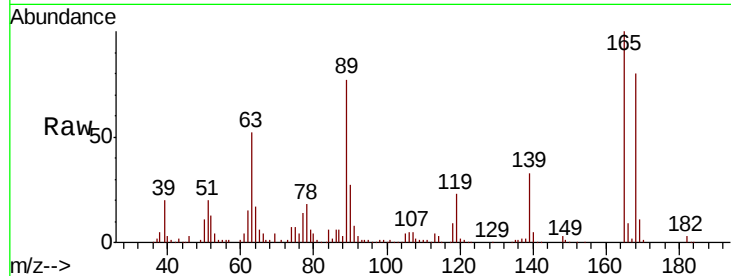




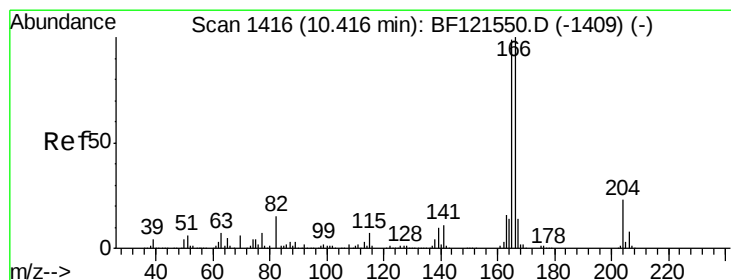
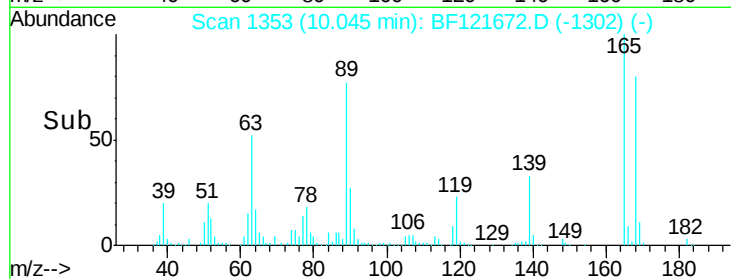
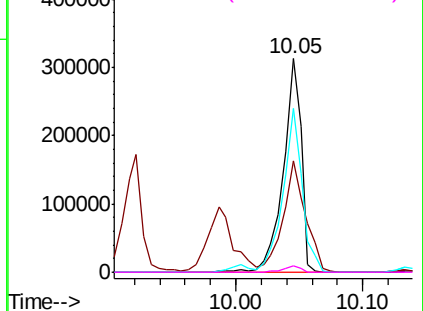
#57  
2,4-Dinitrotoluene  
Concen: 51.629 ng  
RT: 10.05 min Scan# 1353  
Delta R.T. 0.00 min  
Lab File: BF121672.D  
Acq: 23 Sep 2020 17:41

Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-092220MS

Tot Ion:165 Resp: 308762  
Ion Ratio Lower Upper  
165 100  
63 51.9 36.7 55.1  
89 77.0 57.7 86.5  
182 2.8 2.1 3.1

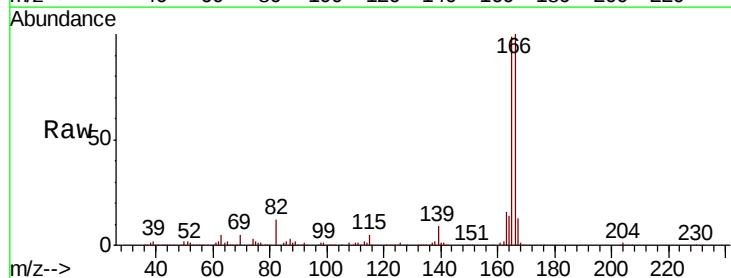


Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 89.00 (88.70 to 89.70): BF1  
Ion 182.00 (181.70 to 182.70): E

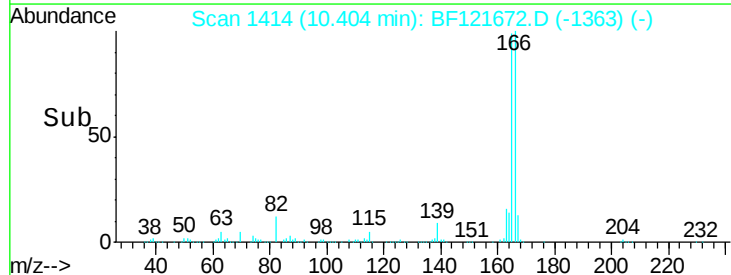
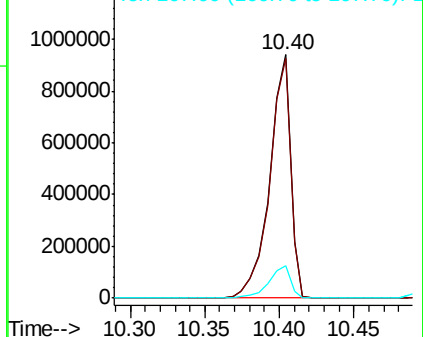


#58  
Fluorene  
Concen: 44.861 ng  
RT: 10.40 min Scan# 1414  
Delta R.T. 0.00 min  
Lab File: BF121672.D  
Acq: 23 Sep 2020 17:41

Tgt Ion:166 Resp: 910907  
Ion Ratio Lower Upper  
166 100  
165 98.7 80.1 120.1  
167 13.3 10.8 16.2



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

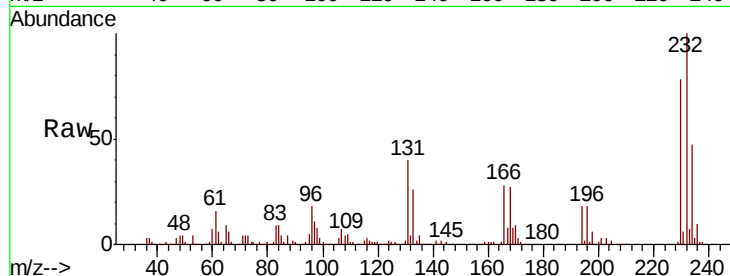




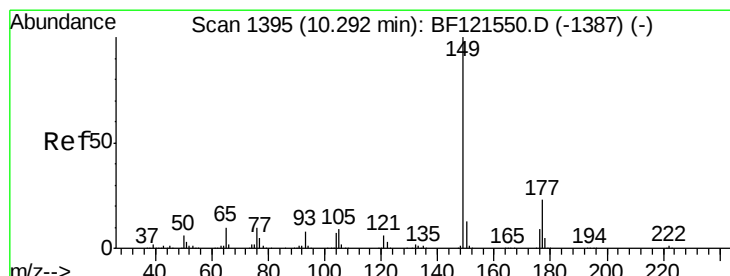
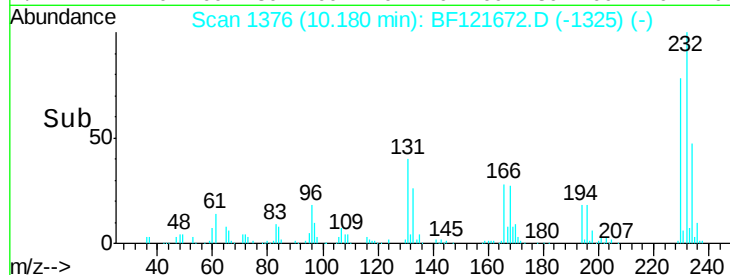
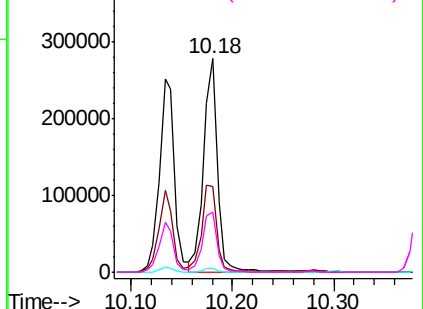
#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 46.935 ng  
 RT: 10.18 min Scan# 1376  
 Delta R.T. 0.00 min  
 Lab File: BF121672.D  
 Acq: 23 Sep 2020 17:41

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HD-01-092220MS

Tot Ion:232 Resp: 264496  
 Ion Ratio Lower Upper  
 232 100  
 131 45.1 35.1 52.7  
 130 2.2 1.6 2.4  
 166 29.4 23.3 34.9

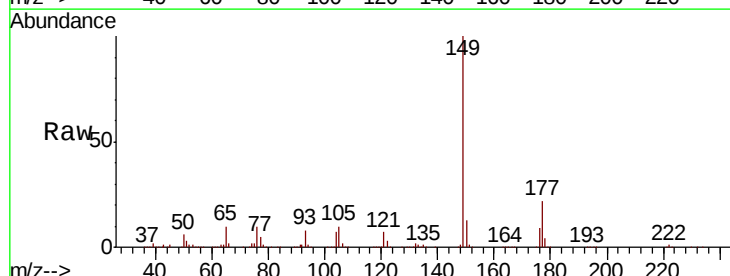


Abundance Ion 232.00 (231.70 to 232.70): E  
 Ion 131.00 (130.70 to 131.70): E  
 Ion 130.00 (129.70 to 130.70): E  
 Ion 166.00 (165.70 to 166.70): E

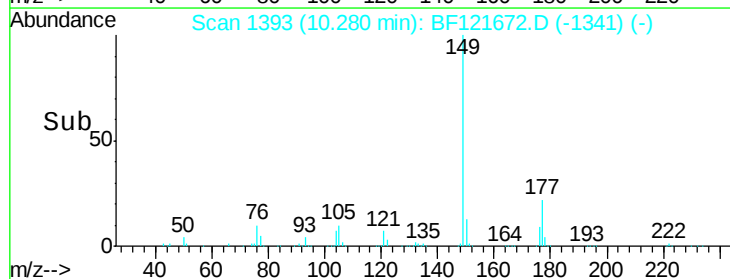
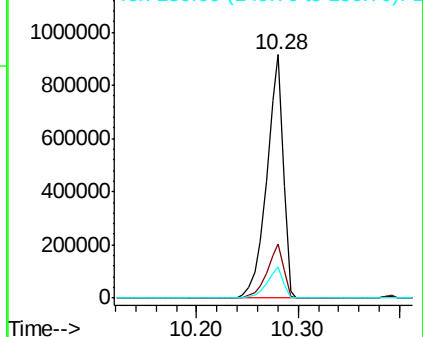


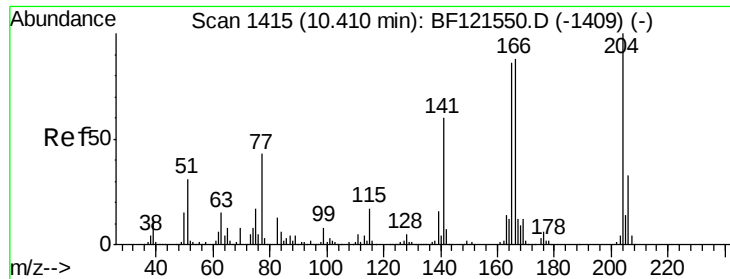
#60  
 Diethylphthalate  
 Concen: 47.252 ng  
 RT: 10.28 min Scan# 1393  
 Delta R.T. 0.01 min  
 Lab File: BF121672.D  
 Acq: 23 Sep 2020 17:41

Tgt Ion:149 Resp: 1028326  
 Ion Ratio Lower Upper  
 149 100  
 177 22.3 18.1 27.1  
 150 12.8 9.8 14.8



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

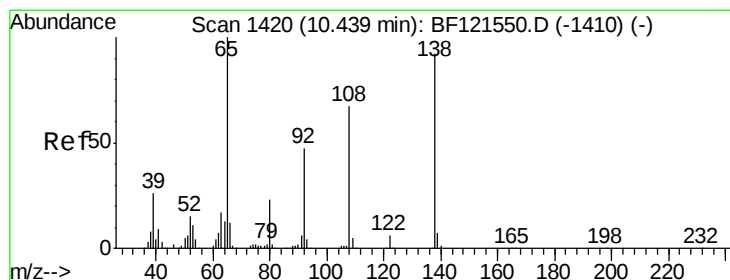
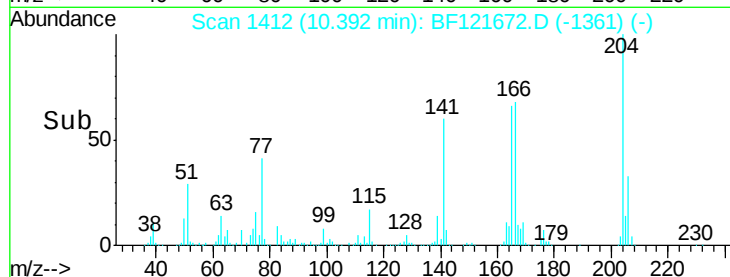
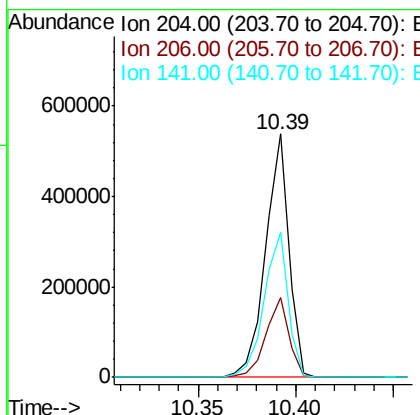
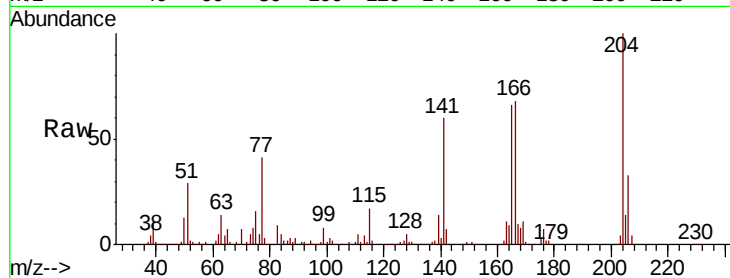




#61  
4-Chlorophenyl-phenylether  
Concen: 46.081 ng  
RT: 10.39 min Scan# 1412  
Delta R.T. 0.00 min  
Lab File: BF121672.D  
Acq: 23 Sep 2020 17:41

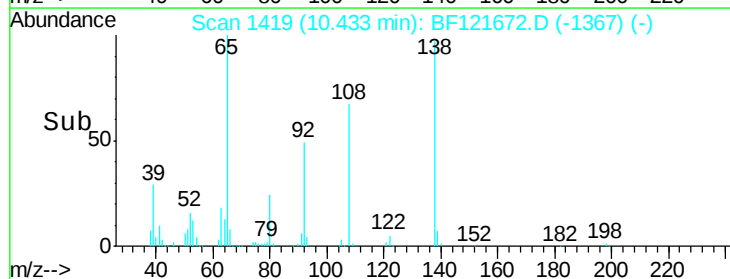
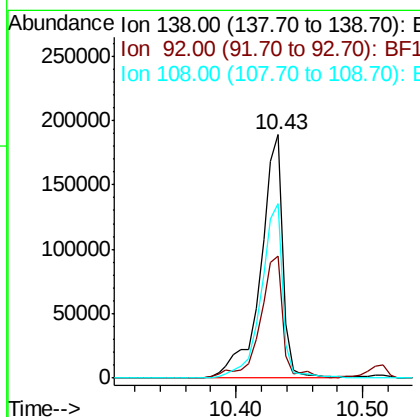
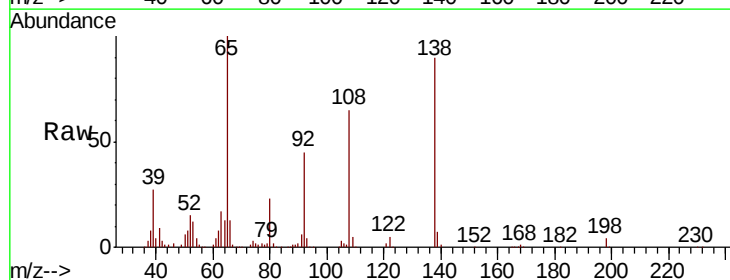
Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-092220MS

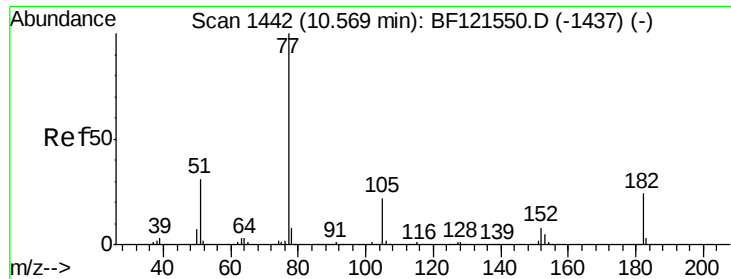
Tot Ion:204 Resp: 448228  
Ion Ratio Lower Upper  
204 100  
206 32.6 26.7 40.1  
141 59.7 50.4 75.6



#62  
4-Nitroaniline  
Concen: 42.411 ng  
RT: 10.43 min Scan# 1419  
Delta R.T. 0.01 min  
Lab File: BF121672.D  
Acq: 23 Sep 2020 17:41

Tgt Ion:138 Resp: 231893  
Ion Ratio Lower Upper  
138 100  
92 50.2 34.8 74.8  
108 71.8 55.5 95.5





#63

Azobenzene

Concen: 44.045 ng

RT: 10.55 min Scan# 1439

Delta R.T. 0.00 min

Lab File: BF121672.D

Acq: 23 Sep 2020 17:41

Instrument :

BNA\_F

ClientSampleId :

HD-01-092220MS

Tot Ion: 77 Resp: 1020760

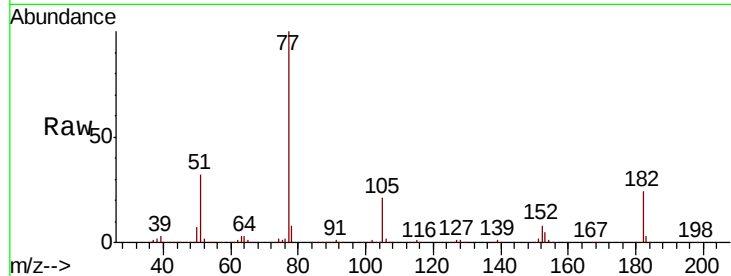
Ion Ratio Lower Upper

77 100

182 24.3 6.8 46.8

105 21.2 2.2 42.2

51 31.7 10.7 50.7

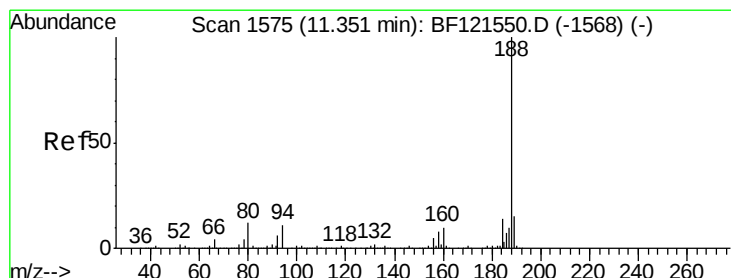
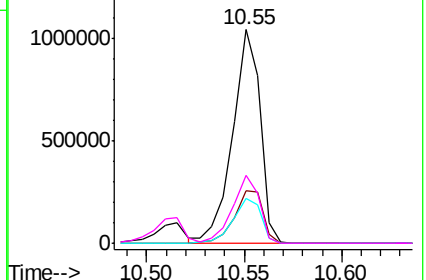
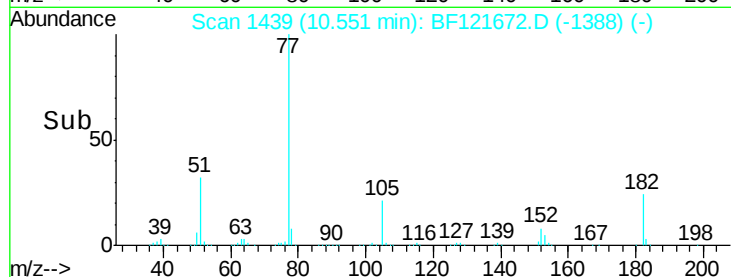


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BF121672.D

Acq: 23 Sep 2020 17:41

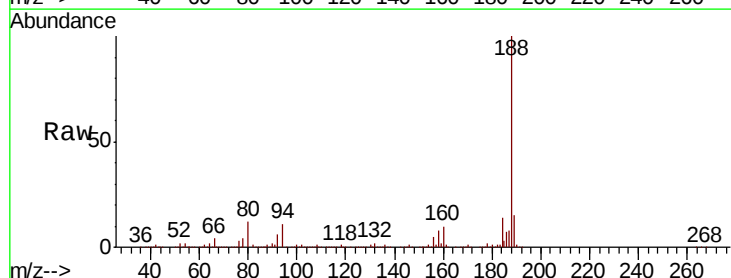
Tgt Ion: 188 Resp: 599167

Ion Ratio Lower Upper

188 100

94 11.5 8.4 12.6

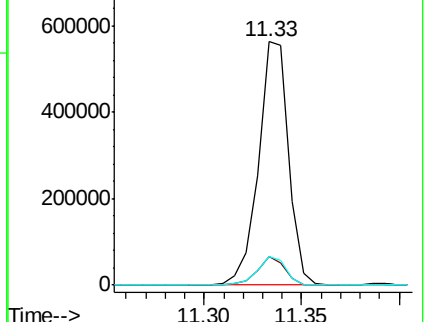
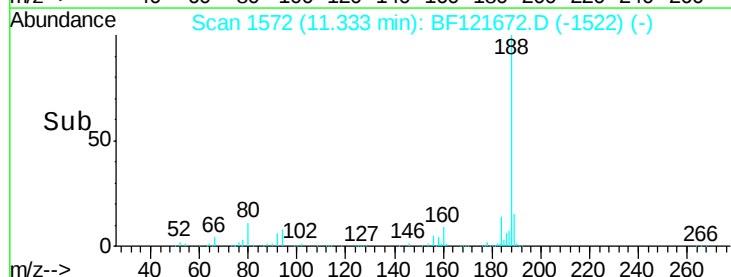
80 11.8 9.0 13.4

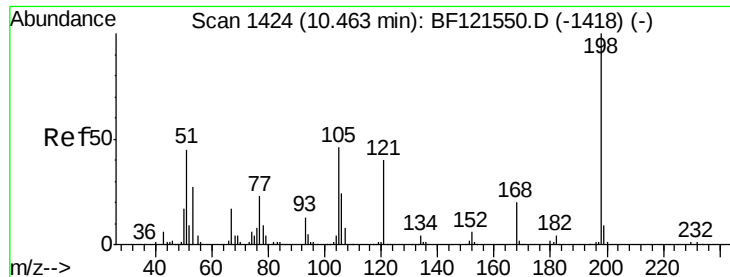


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

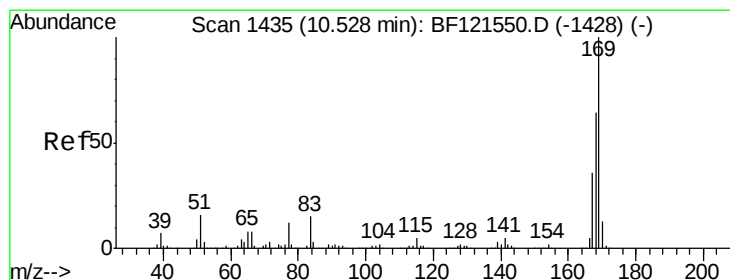
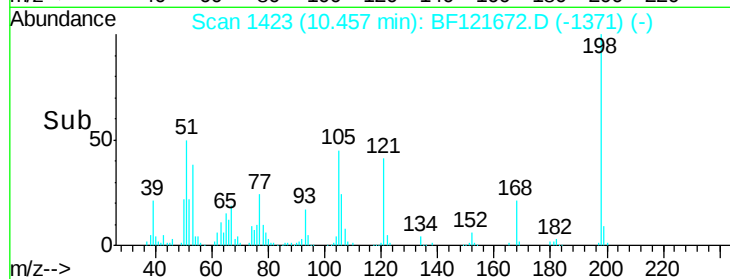
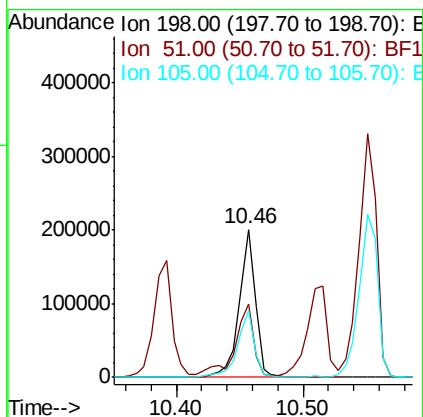
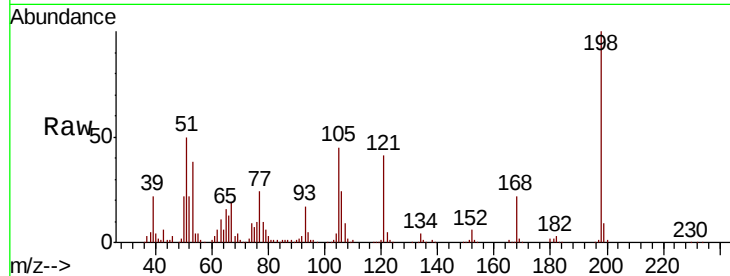




#65  
4,6-Dinitro-2-methylphenol  
Concen: 48.293 ng  
RT: 10.46 min Scan# 1423  
Delta R.T. 0.01 min  
Lab File: BF121672.D  
Acq: 23 Sep 2020 17:41

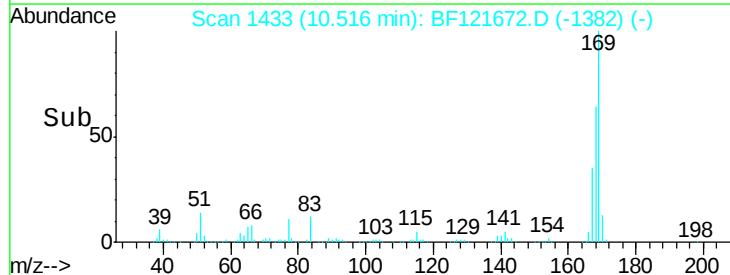
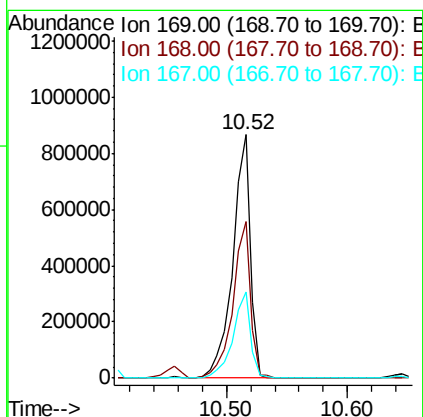
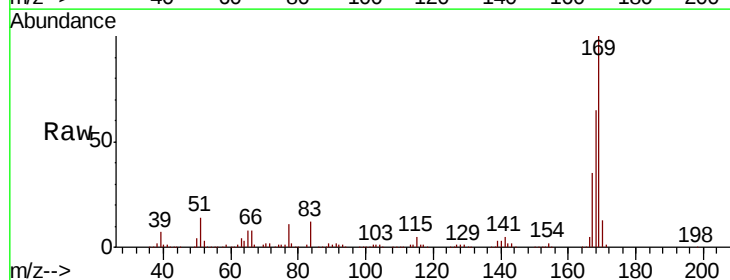
Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-092220MS

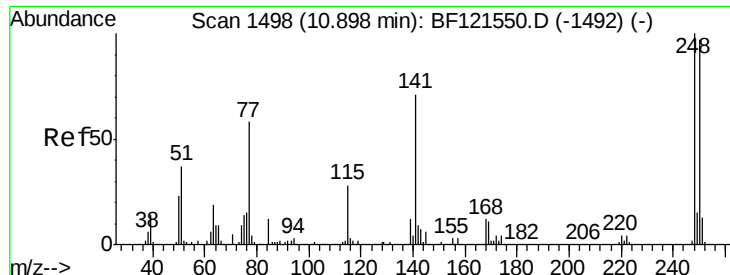
Tot Ion:198 Resp: 177739  
Ion Ratio Lower Upper  
198 100  
51 49.8 20.3 60.3  
105 45.2 20.2 60.2



#66  
n-Nitrosodiphenylamine  
Concen: 42.645 ng  
RT: 10.52 min Scan# 1433  
Delta R.T. 0.00 min  
Lab File: BF121672.D  
Acq: 23 Sep 2020 17:41

Tgt Ion:169 Resp: 876621  
Ion Ratio Lower Upper  
169 100  
168 64.5 51.8 77.8  
167 35.5 28.4 42.6

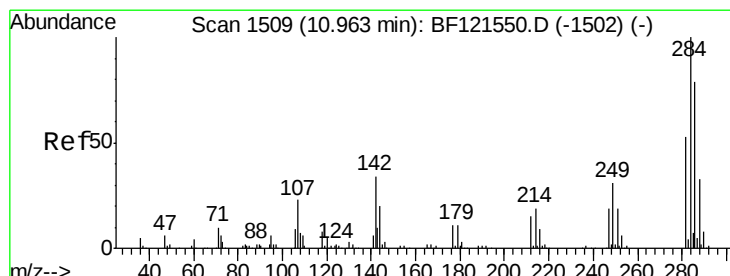
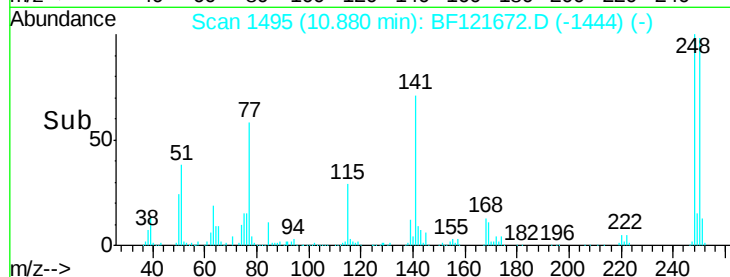
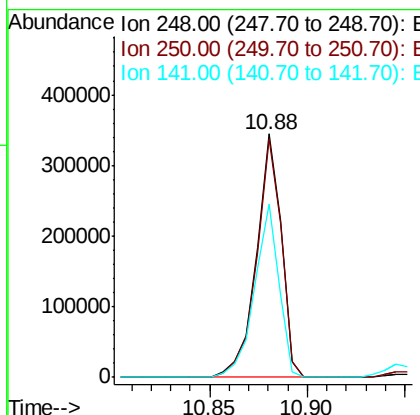
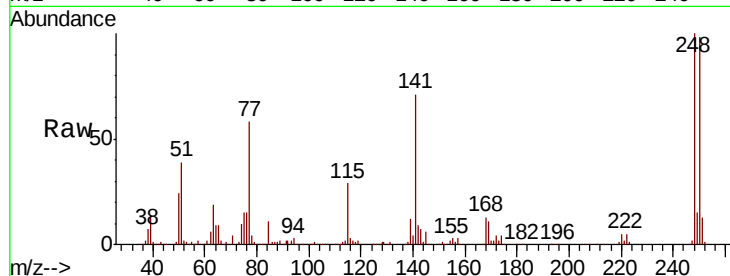




#67  
4-Bromophenyl-phenylether  
Concen: 44.650 ng  
RT: 10.88 min Scan# 1495  
Delta R.T. 0.00 min  
Lab File: BF121672.D  
Acq: 23 Sep 2020 17:41

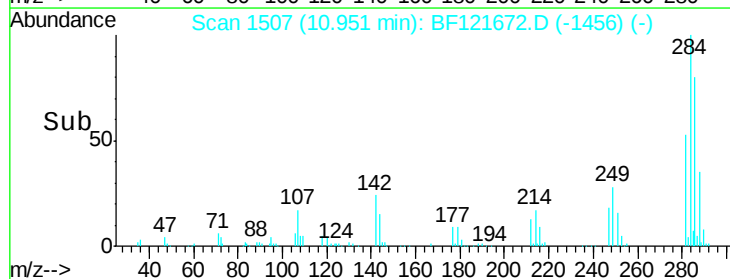
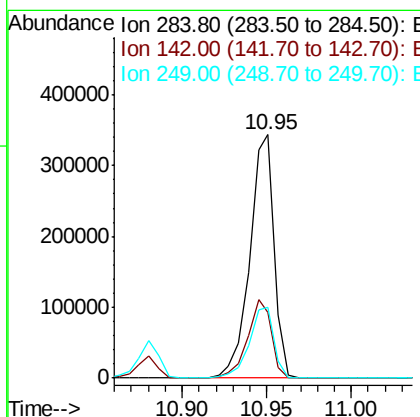
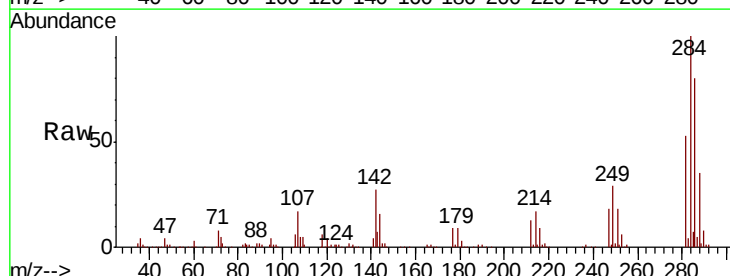
Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-092220MS

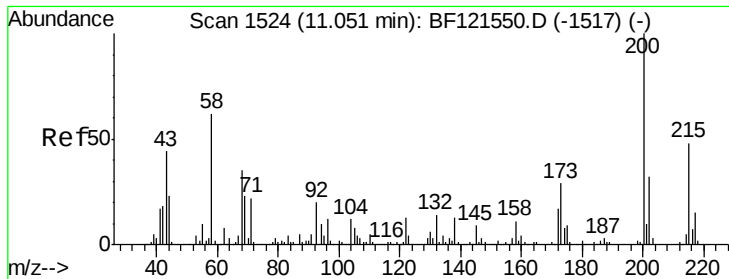
Tot Ion:248 Resp: 304595  
Ion Ratio Lower Upper  
248 100  
250 98.1 79.4 119.0  
141 71.3 52.2 78.4



#68  
Hexachlorobenzene  
Concen: 45.030 ng  
RT: 10.95 min Scan# 1507  
Delta R.T. 0.00 min  
Lab File: BF121672.D  
Acq: 23 Sep 2020 17:41

Tgt Ion:284 Resp: 346668  
Ion Ratio Lower Upper  
284 100  
142 26.8 24.0 36.0  
249 29.3 23.9 35.9

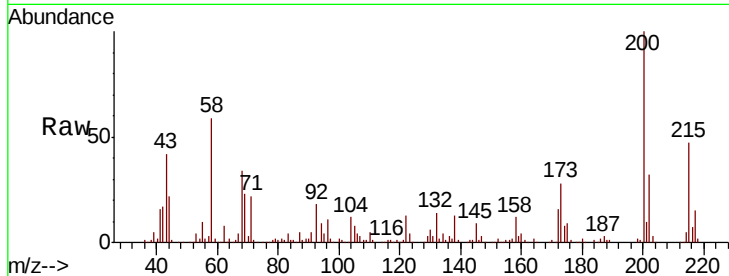




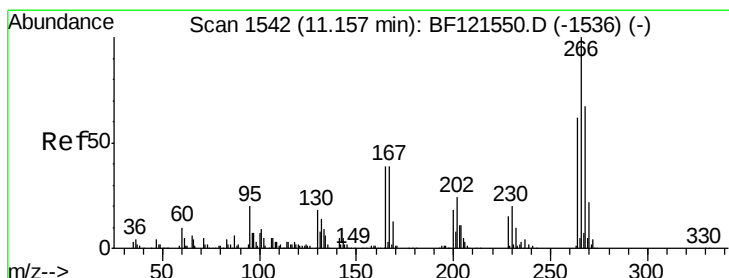
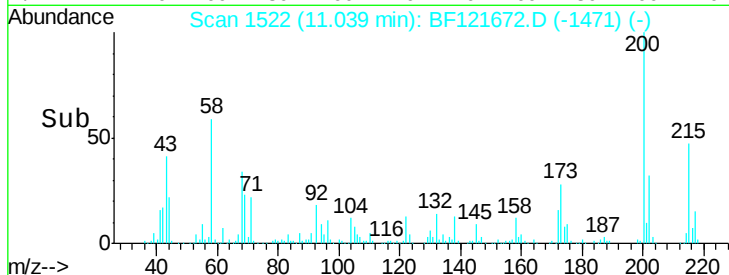
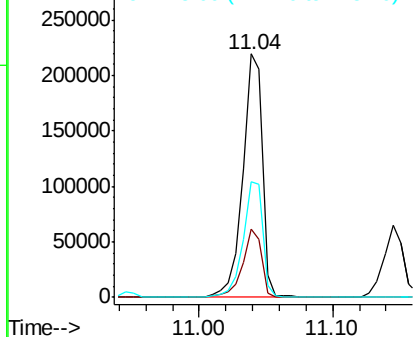
#69  
 Atrazine  
 Concen: 43.562 ng  
 RT: 11.04 min Scan# 1522  
 Delta R.T. 0.00 min  
 Lab File: BF121672.D  
 Acq: 23 Sep 2020 17:41

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HD-01-092220MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 27.9  | 6.0   | 46.0  |
| 215     | 47.3  | 28.4  | 68.4  |

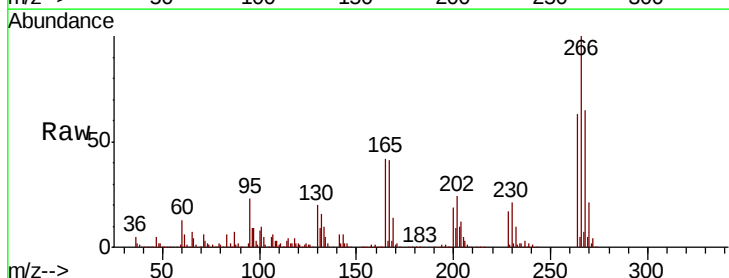


Abundance Ion 200.00 (199.70 to 200.70): E  
 Ion 173.00 (172.70 to 173.70): E  
 Ion 215.00 (214.70 to 215.70): E

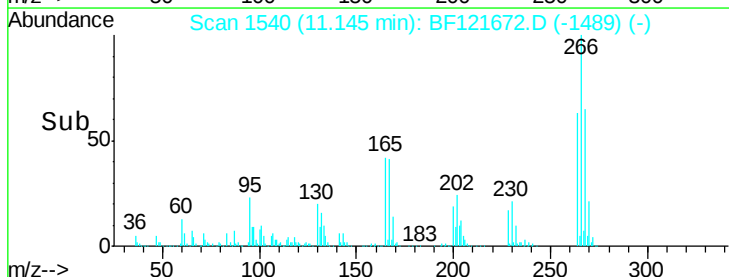
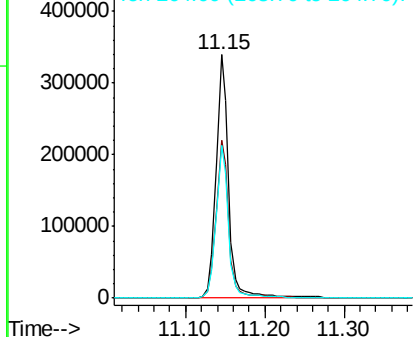


#70  
 Pentachlorophenol  
 Concen: 89.167 ng  
 RT: 11.15 min Scan# 1540  
 Delta R.T. 0.00 min  
 Lab File: BF121672.D  
 Acq: 23 Sep 2020 17:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 65.0  | 54.6  | 81.8  |
| 264     | 62.7  | 51.1  | 76.7  |



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





#71

Phenanthrene

Concen: 42.712 ng

RT: 11.36 min Scan# 1577

Delta R.T. 0.00 min

Lab File: BF121672.D

Acq: 23 Sep 2020 17:41

Instrument :

BNA\_F

ClientSampleId :

HD-01-092220MS

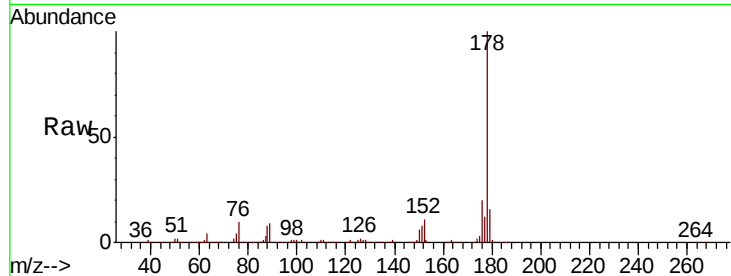
Tot Ion:178 Resp: 1394328

Ion Ratio Lower Upper

178 100

176 20.3 15.9 23.9

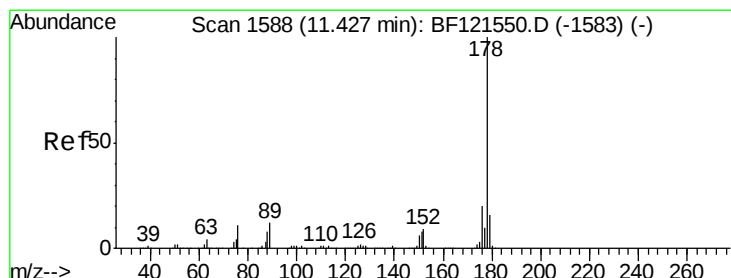
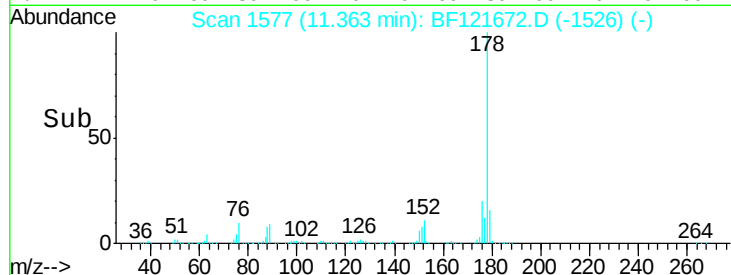
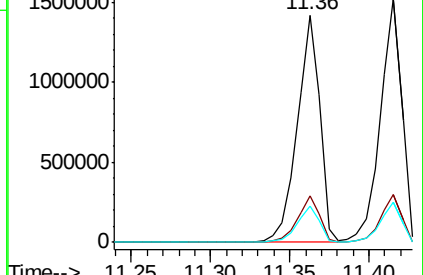
179 15.8 12.6 18.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 42.590 ng

RT: 11.42 min Scan# 1586

Delta R.T. 0.00 min

Lab File: BF121672.D

Acq: 23 Sep 2020 17:41

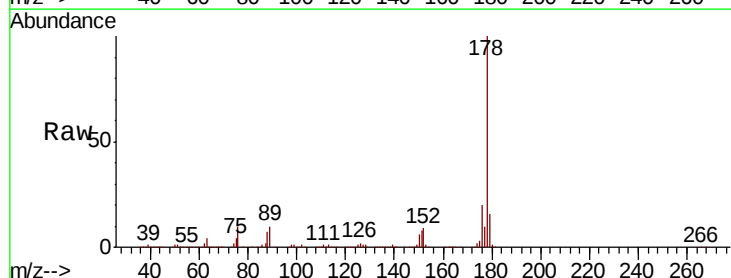
Tgt Ion:178 Resp: 1434790

Ion Ratio Lower Upper

178 100

176 19.6 15.6 23.4

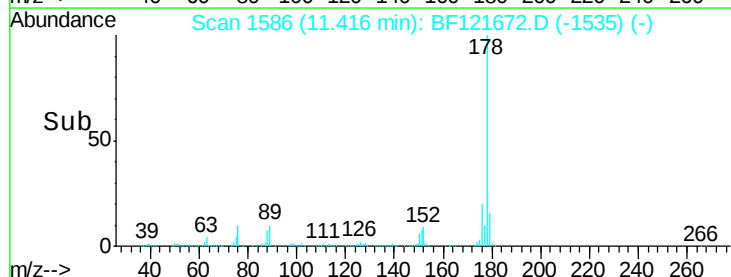
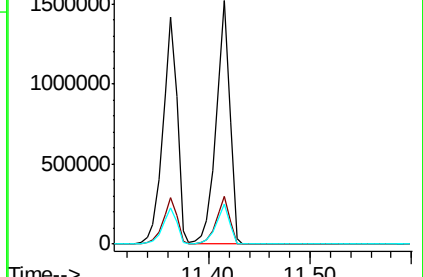
179 16.2 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

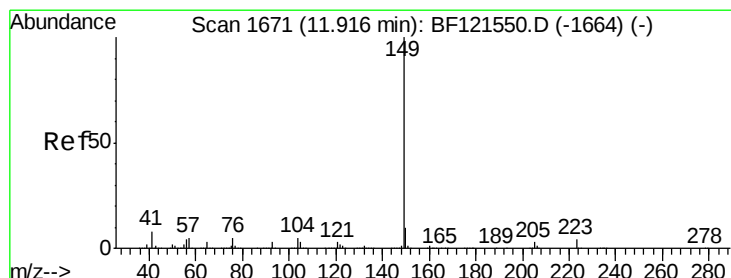
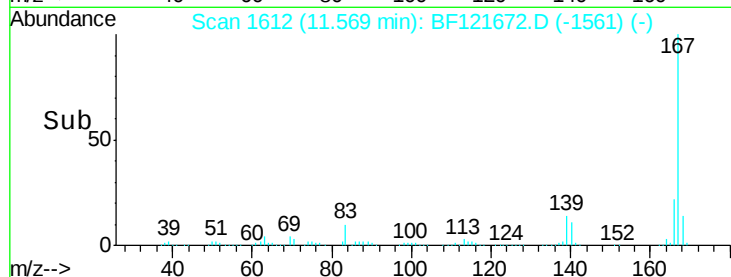
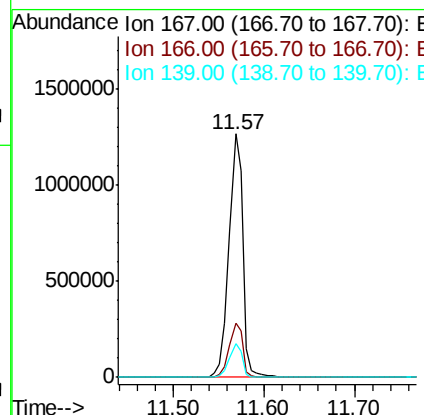
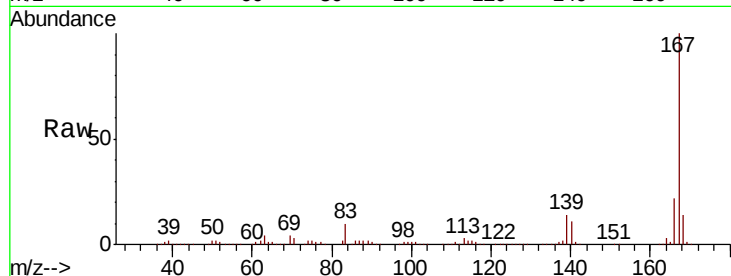




#73  
 Carbazole  
 Concen: 43.282 ng  
 RT: 11.57 min Scan# 1612  
 Delta R.T. 0.00 min  
 Lab File: BF121672.D  
 Acq: 23 Sep 2020 17:41

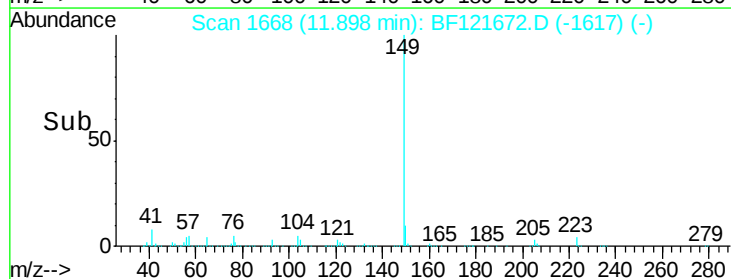
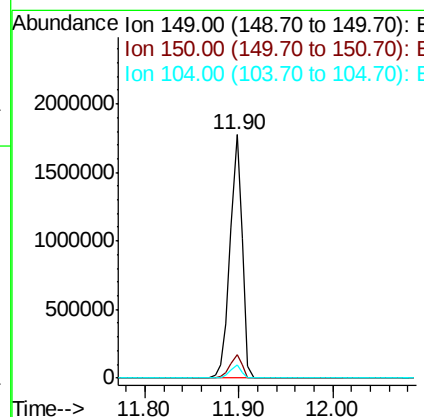
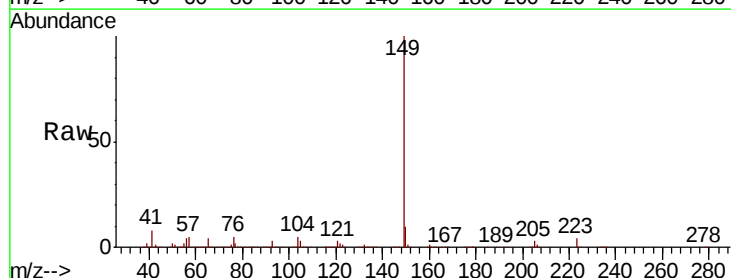
Instrument :  
 BNA\_F  
 ClientSampleId :  
 HD-01-092220MS

Tot Ion:167 Resp: 1315785  
 Ion Ratio Lower Upper  
 167 100  
 166 22.0 17.8 26.6  
 139 13.8 10.9 16.3



#74  
 Di-n-butylphthalate  
 Concen: 45.469 ng  
 RT: 11.90 min Scan# 1668  
 Delta R.T. 0.00 min  
 Lab File: BF121672.D  
 Acq: 23 Sep 2020 17:41

Tgt Ion:149 Resp: 1595389  
 Ion Ratio Lower Upper  
 149 100  
 150 9.7 7.6 11.4  
 104 5.4 4.2 6.2

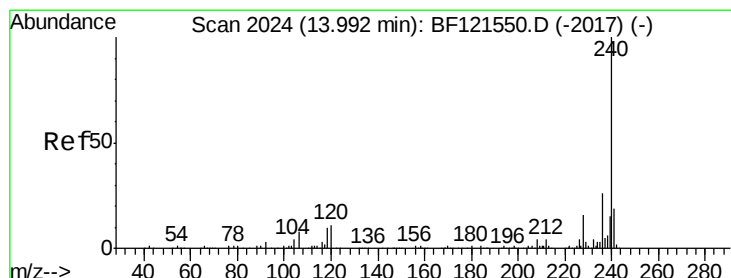
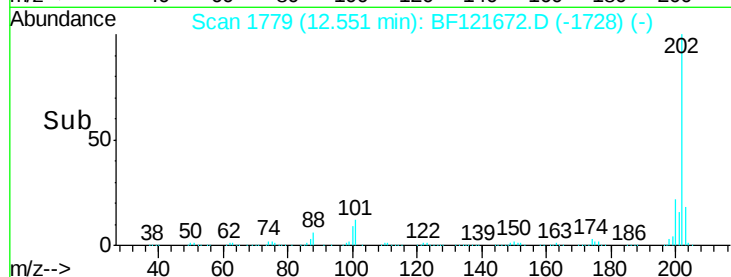
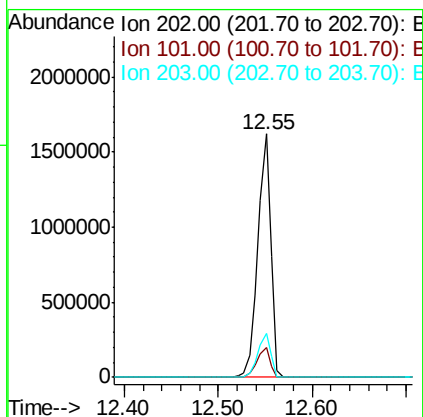
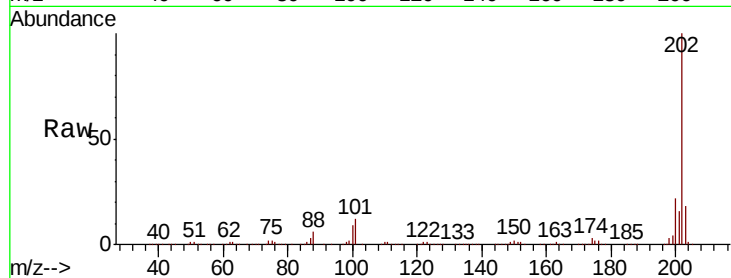




#75  
 Fluoranthene  
 Concen: 44.780 ng  
 RT: 12.55 min Scan# 1779  
 Delta R.T. 0.00 min  
 Lab File: BF121672.D  
 Acq: 23 Sep 2020 17:41

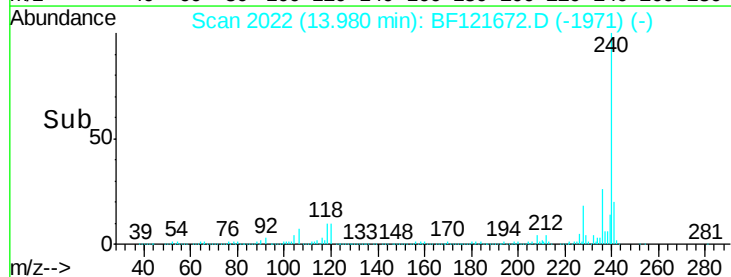
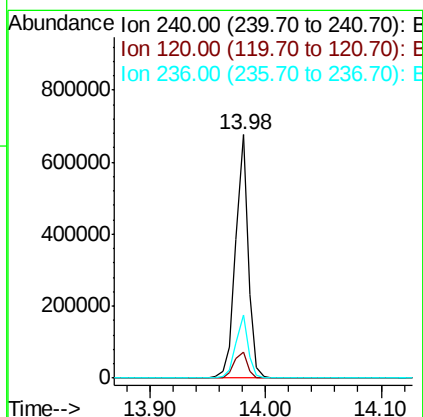
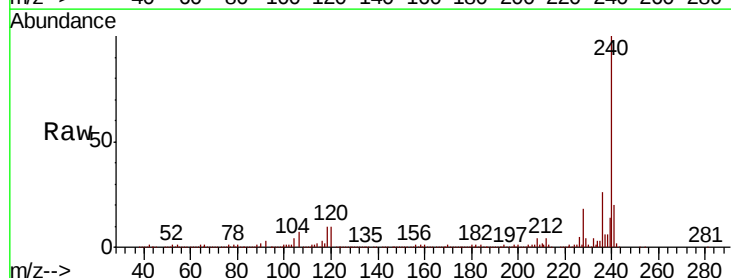
Instrument :  
 BNA\_F  
 ClientSampleId :  
 HD-01-092220MS

Tot Ion:202 Resp: 1560503  
 Ion Ratio Lower Upper  
 202 100  
 101 12.4 0.0 31.9  
 203 17.9 0.0 37.8



#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 13.98 min Scan# 2022  
 Delta R.T. 0.00 min  
 Lab File: BF121672.D  
 Acq: 23 Sep 2020 17:41

Tgt Ion:240 Resp: 510039  
 Ion Ratio Lower Upper  
 240 100  
 120 10.4 9.2 13.8  
 236 25.9 20.4 30.6





#77

Benzidine

Concen: 8.269 ng

RT: 12.67 min Scan# 1799

Delta R.T. -0.01 min

Lab File: BF121672.D

Acq: 23 Sep 2020 17:41

Instrument :

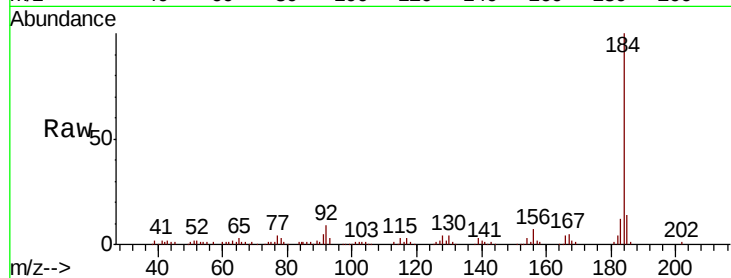
BNA\_F

ClientSampleId :

HD-01-092220MS

Tot Ion:184 Resp: 139818

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 184 | 100   |       |       |
| 185 | 14.5  | 11.5  | 17.3  |
| 183 | 11.7  | 9.6   | 14.4  |

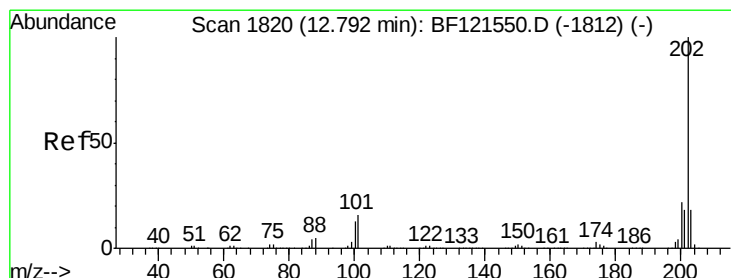
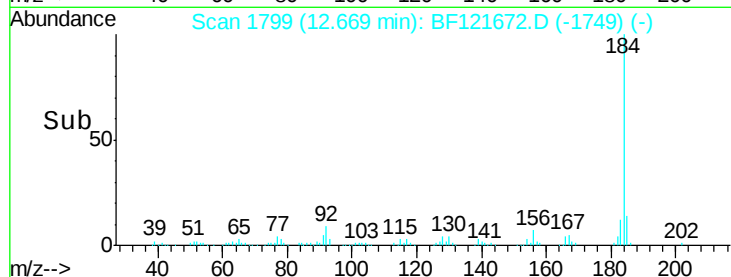
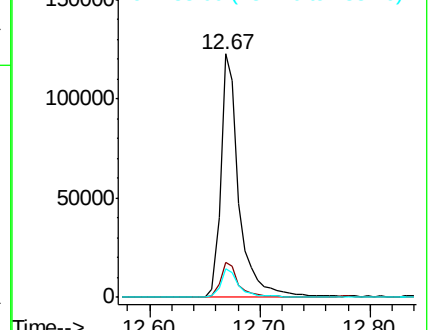


Abundance

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: 42.506 ng

RT: 12.78 min Scan# 1818

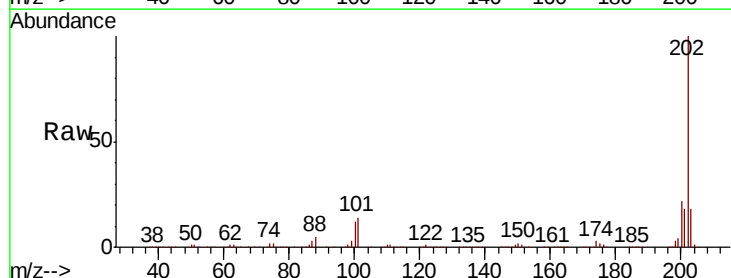
Delta R.T. 0.00 min

Lab File: BF121672.D

Acq: 23 Sep 2020 17:41

Tgt Ion:202 Resp: 1583991

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 200 | 22.0  | 17.8  | 26.6  |
| 203 | 18.1  | 14.4  | 21.6  |

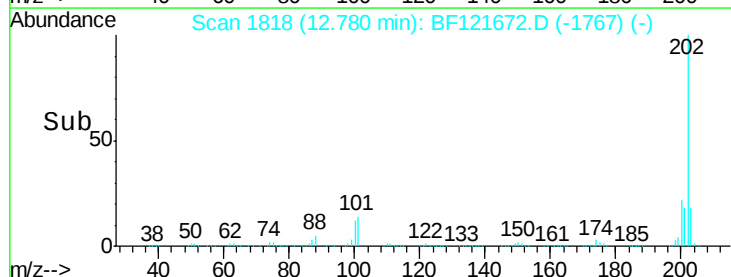
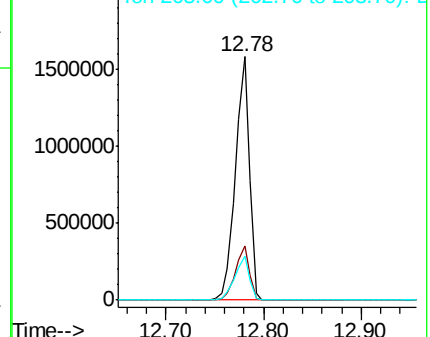


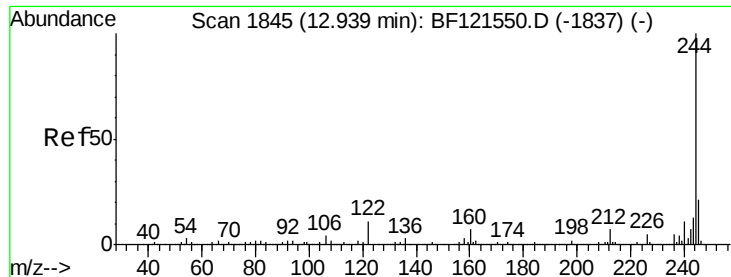
Abundance

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: 82.462 ng

RT: 12.93 min Scan# 1843

Delta R.T. 0.01 min

Lab File: BF121672.D

Acq: 23 Sep 2020 17:41

Instrument :

BNA\_F

ClientSampleId :

HD-01-092220MS

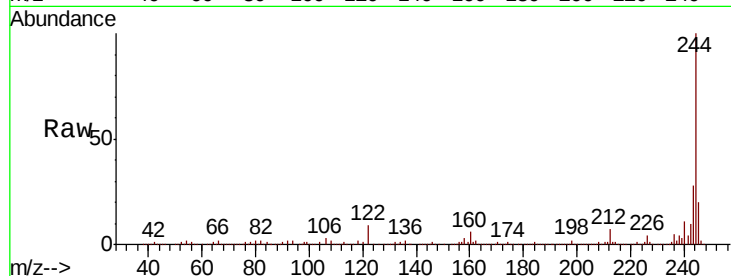
Tot Ion:244 Resp: 2076065

Ion Ratio Lower Upper

244 100

212 7.0 5.5 8.3

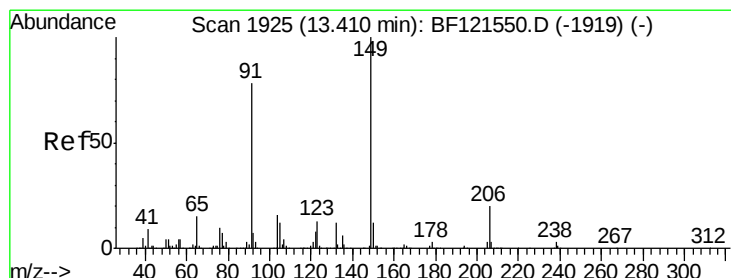
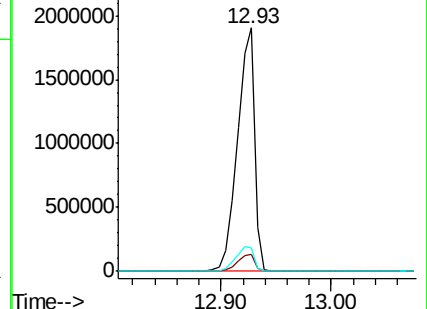
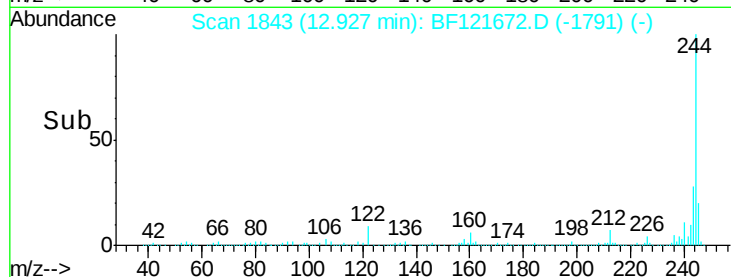
122 9.5 7.4 11.0



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 45.783 ng

RT: 13.40 min Scan# 1923

Delta R.T. 0.00 min

Lab File: BF121672.D

Acq: 23 Sep 2020 17:41

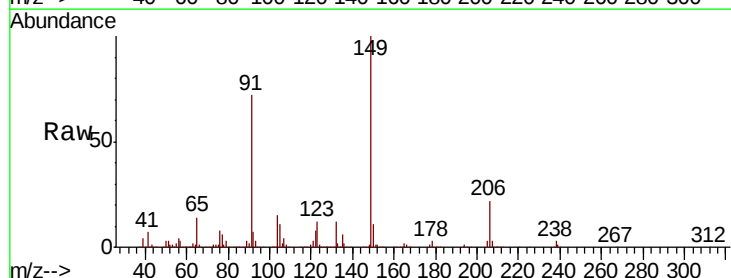
Tgt Ion:149 Resp: 690011

Ion Ratio Lower Upper

149 100

91 72.5 61.0 91.4

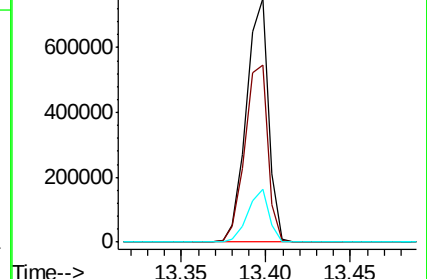
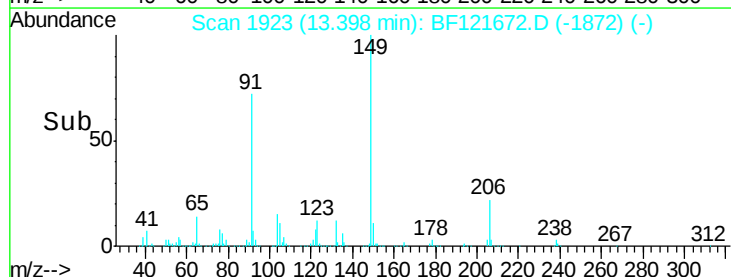
206 21.6 16.6 25.0

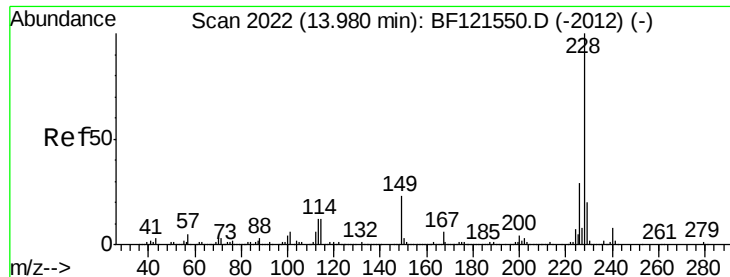


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 43.769 ng

RT: 13.97 min Scan# 2020

Delta R.T. 0.00 min

Lab File: BF121672.D

Acq: 23 Sep 2020 17:41

Instrument :

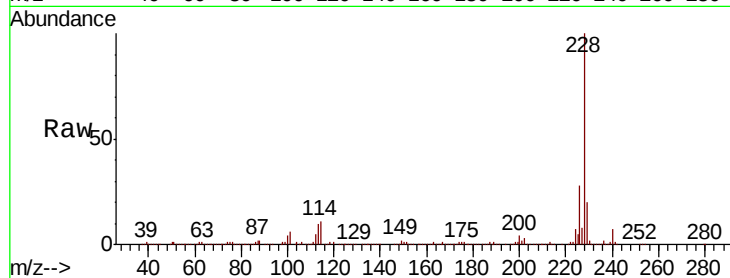
BNA\_F

ClientSampleId :

HD-01-092220MS

Tot Ion:228 Resp: 1412331

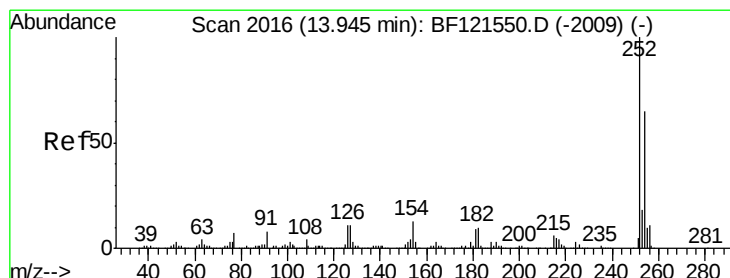
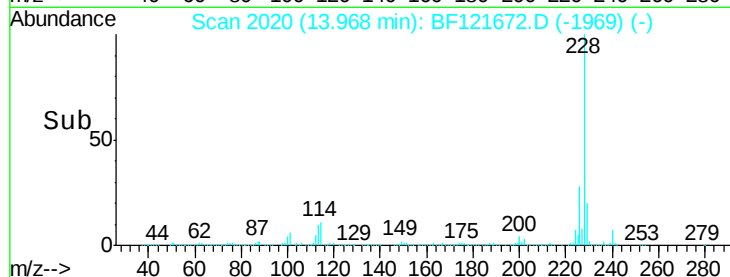
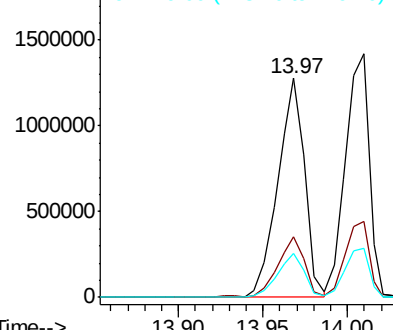
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 27.8  | 22.6  | 33.8  |
| 229 | 20.2  | 16.2  | 24.2  |



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: 28.957 ng

RT: 13.93 min Scan# 2014

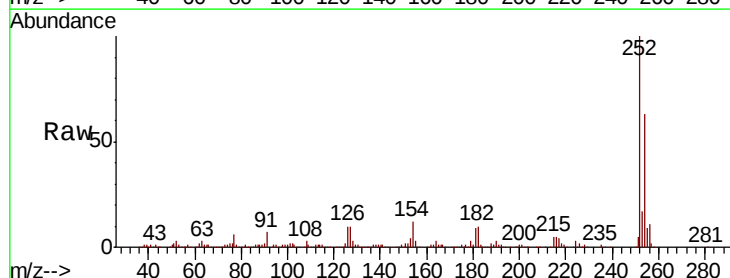
Delta R.T. 0.00 min

Lab File: BF121672.D

Acq: 23 Sep 2020 17:41

Tgt Ion:252 Resp: 364784

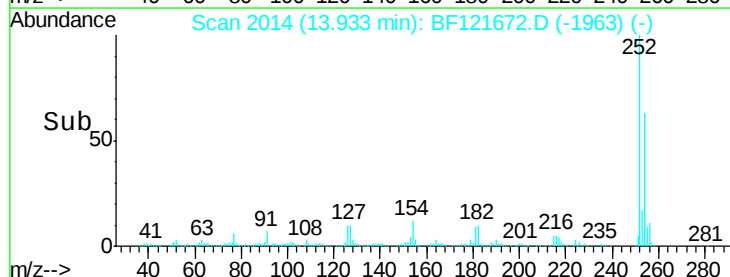
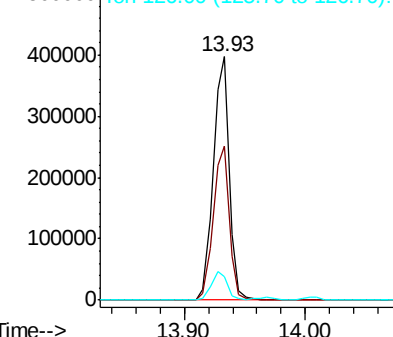
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 254 | 63.3  | 51.0  | 76.4  |
| 126 | 9.8   | 8.6   | 13.0  |

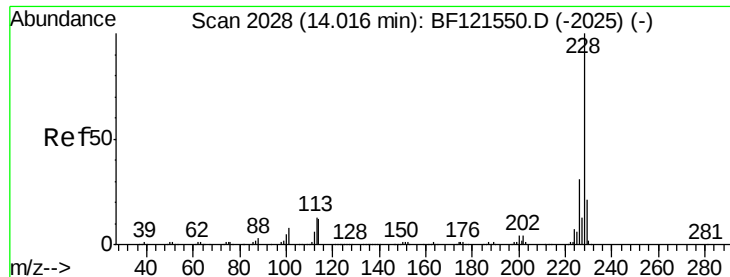


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 42.673 ng

RT: 14.01 min Scan# 2027

Delta R.T. 0.00 min

Lab File: BF121672.D

Acq: 23 Sep 2020 17:41

Instrument :

BNA\_F

ClientSampleId :

HD-01-092220MS

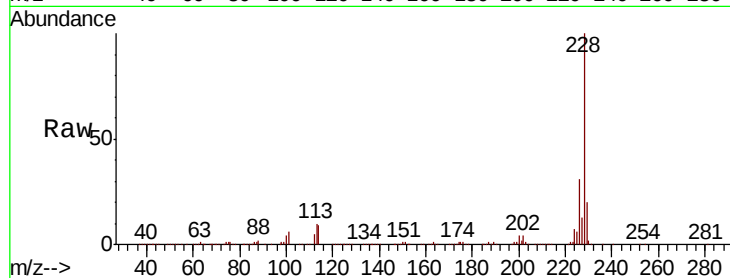
Tot Ion:228 Resp: 1394339

Ion Ratio Lower Upper

228 100

226 31.3 25.0 37.4

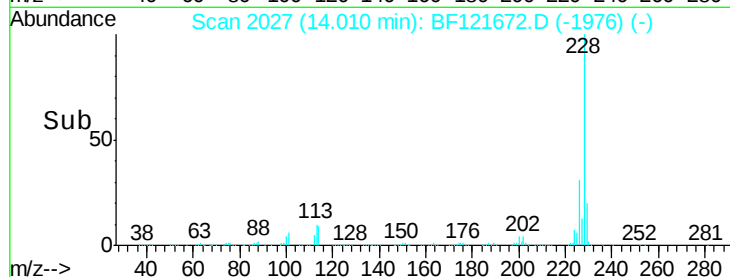
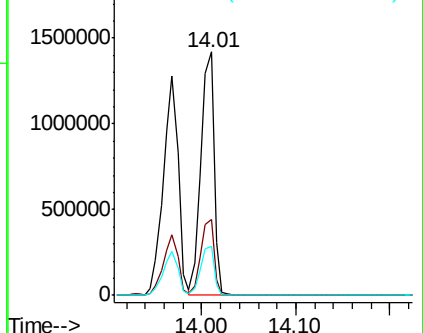
229 20.3 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 45.806 ng

RT: 13.96 min Scan# 2018

Delta R.T. 0.00 min

Lab File: BF121672.D

Acq: 23 Sep 2020 17:41

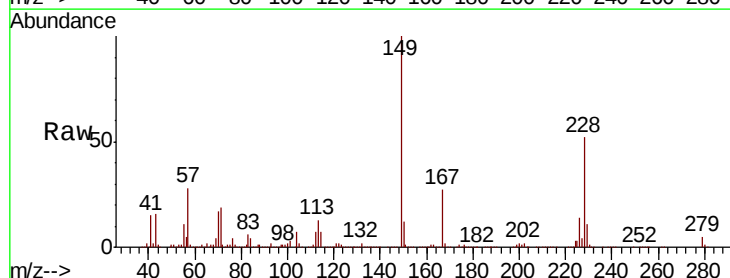
Tgt Ion:149 Resp: 922260

Ion Ratio Lower Upper

149 100

167 27.0 21.3 31.9

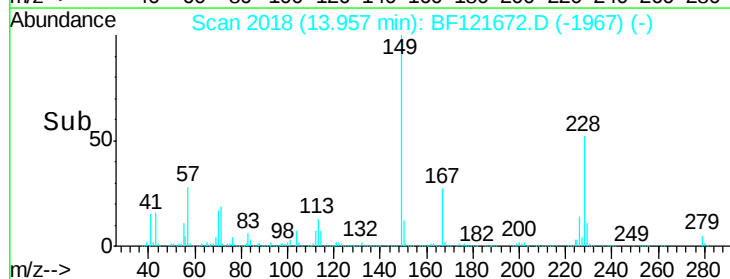
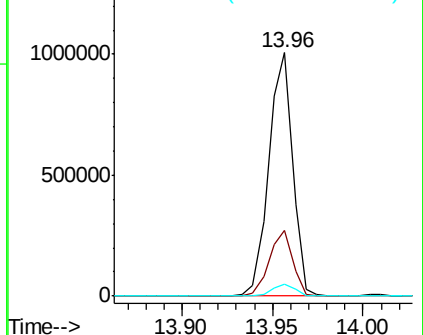
279 5.0 3.4 5.0

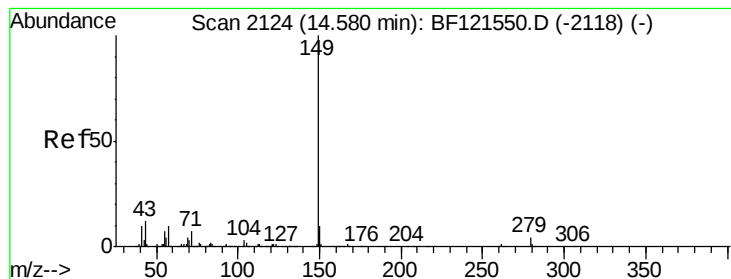


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 45.781 ng

RT: 14.57 min Scan# 2122

Delta R.T. 0.00 min

Lab File: BF121672.D

Acq: 23 Sep 2020 17:41

Instrument :

BNA\_F

ClientSampleId :

HD-01-092220MS

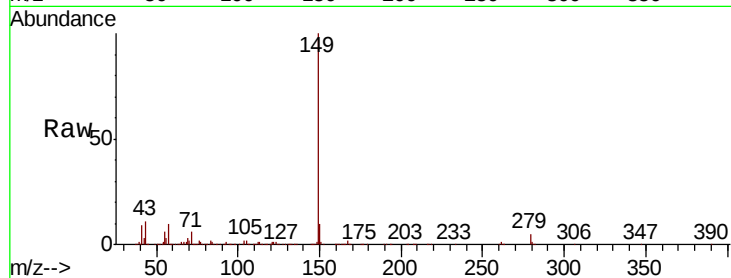
Tot Ion:149 Resp: 1626709

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

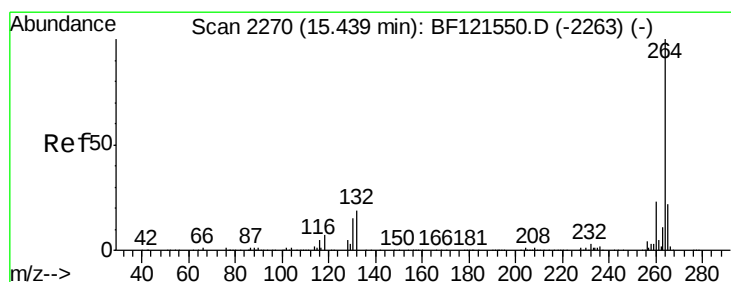
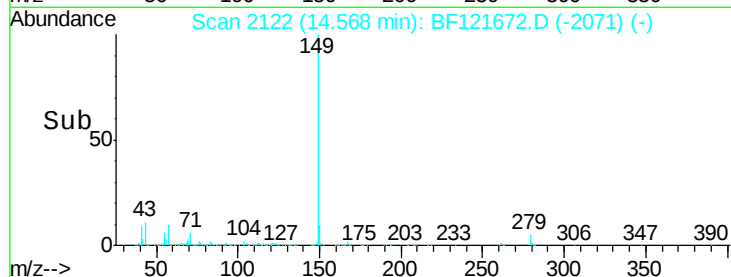
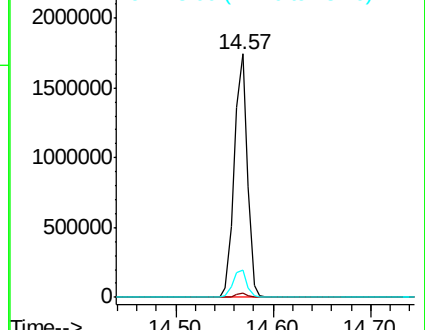
43 11.3 9.0 13.4



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.43 min Scan# 2268

Delta R.T. 0.00 min

Lab File: BF121672.D

Acq: 23 Sep 2020 17:41

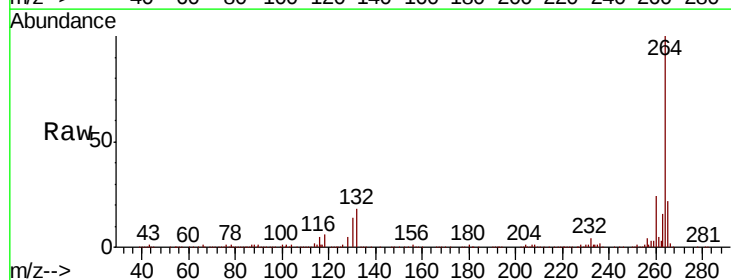
Tgt Ion:264 Resp: 480582

Ion Ratio Lower Upper

264 100

260 23.9 18.8 28.2

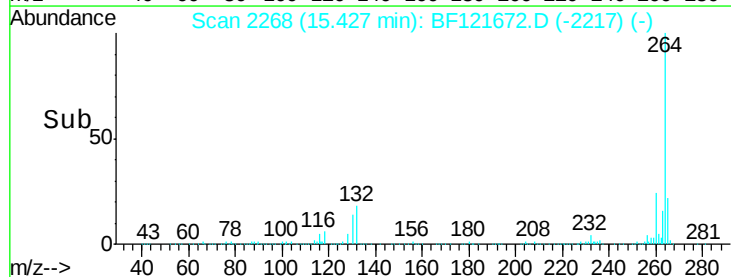
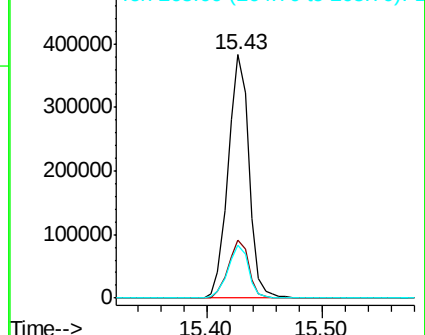
265 21.8 17.3 25.9

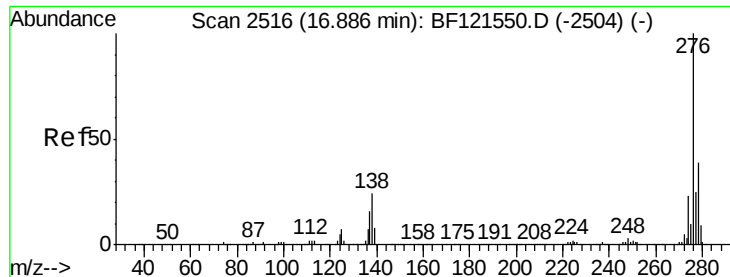


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

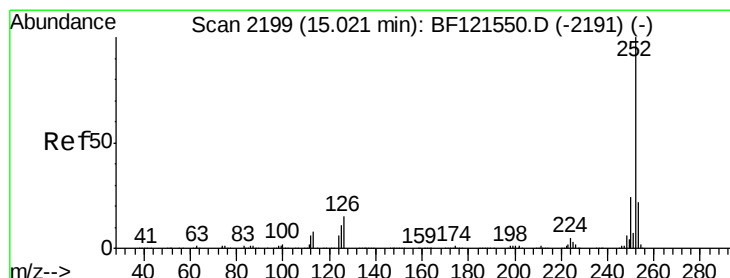
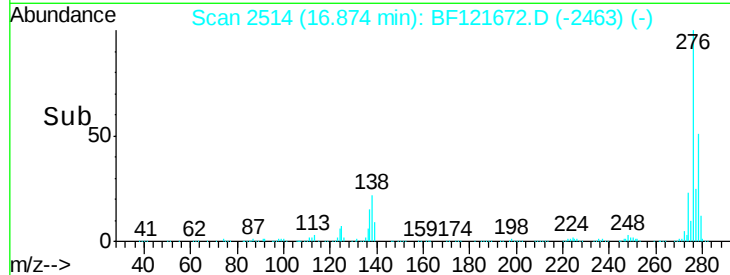
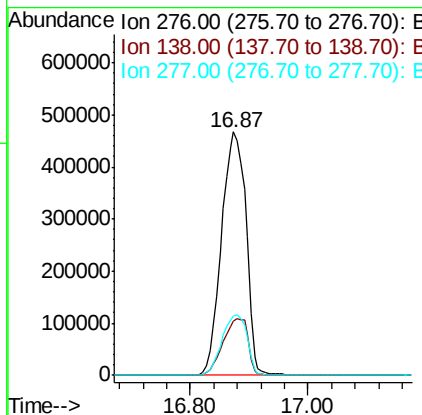
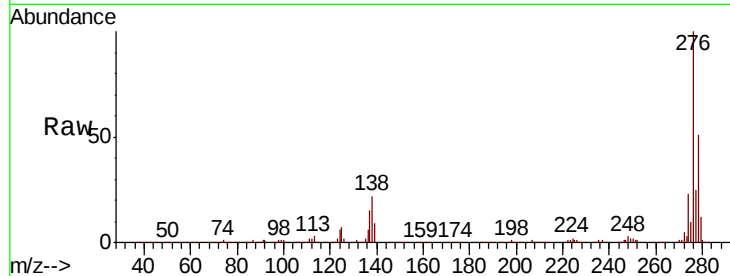




#87  
 Indeno(1,2,3-cd)pyrene  
 Concen: 43.482 ng  
 RT: 16.87 min Scan# 2514  
 Delta R.T. 0.00 min  
 Lab File: BF121672.D  
 Acq: 23 Sep 2020 17:41

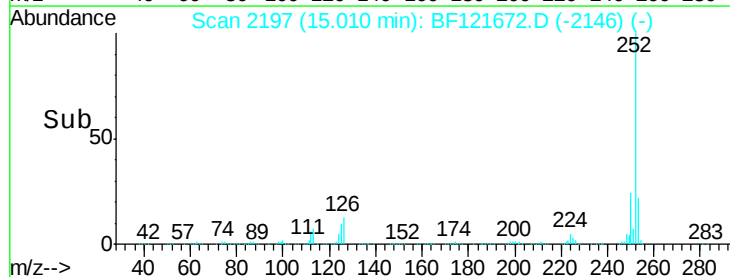
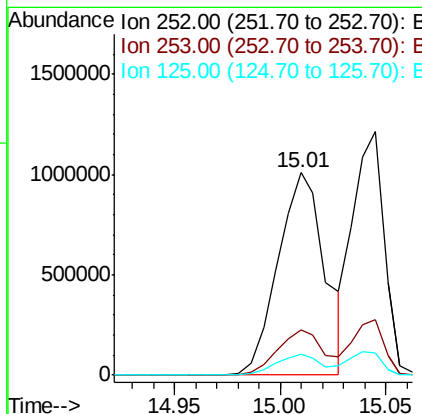
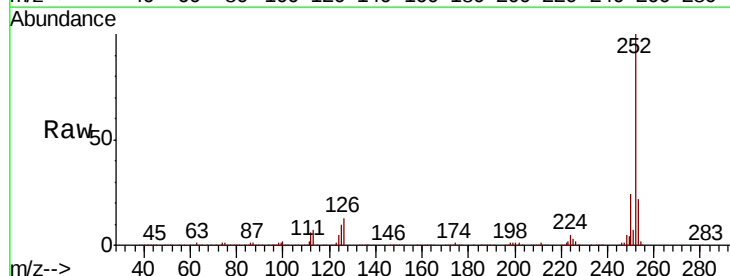
Instrument :  
 BNA\_F  
 ClientSampleId :  
 HD-01-092220MS

Tot Ion:276 Resp: 1360869  
 Ion Ratio Lower Upper  
 276 100  
 138 23.9 19.0 28.6  
 277 25.3 20.2 30.2



#88  
 Benzo(b)fluoranthene  
 Concen: 48.651 ng  
 RT: 15.01 min Scan# 2197  
 Delta R.T. 0.00 min  
 Lab File: BF121672.D  
 Acq: 23 Sep 2020 17:41

Tgt Ion:252 Resp: 1563018  
 Ion Ratio Lower Upper  
 252 100  
 253 22.1 18.2 27.4  
 125 10.1 8.5 12.7





#89

Benzo(k)fluoranthene

Concen: 42.947 ng

RT: 15.04 min Scan# 2203

Delta R.T. 0.01 min

Lab File: BF121672.D

Acq: 23 Sep 2020 17:41

Instrument :

BNA\_F

ClientSampleId :

HD-01-092220MS

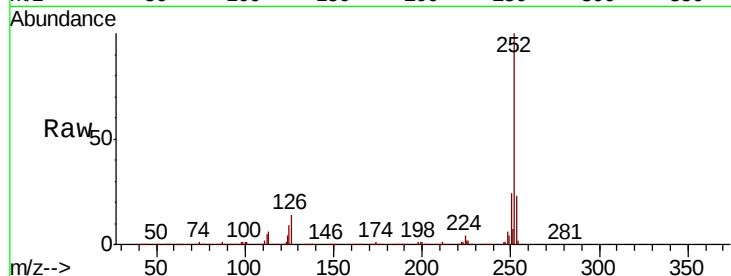
Tot Ion:252 Resp: 1263527

Ion Ratio Lower Upper

252 100

253 22.6 17.8 26.8

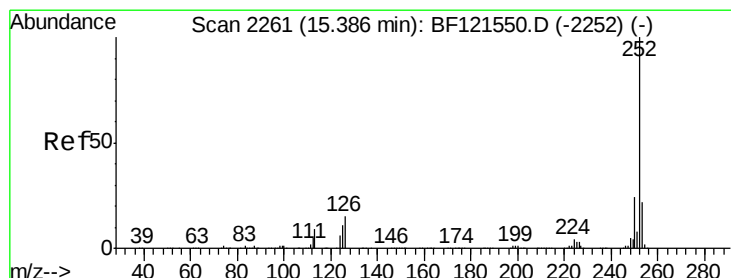
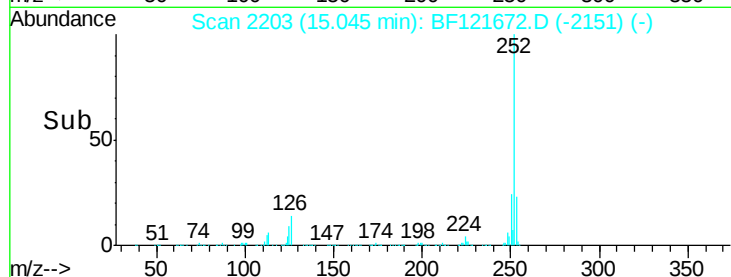
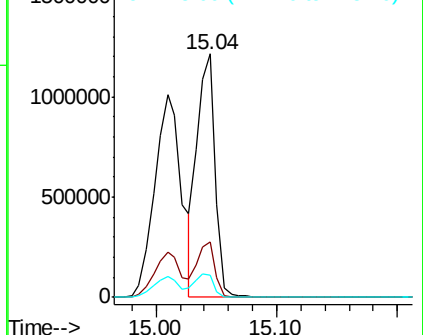
125 9.4 8.4 12.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 45.917 ng

RT: 15.37 min Scan# 2259

Delta R.T. 0.00 min

Lab File: BF121672.D

Acq: 23 Sep 2020 17:41

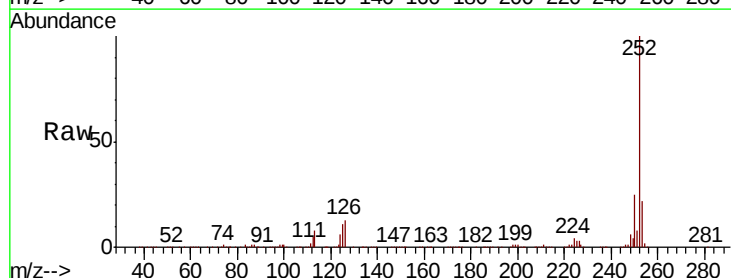
Tgt Ion:252 Resp: 1253961

Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.2

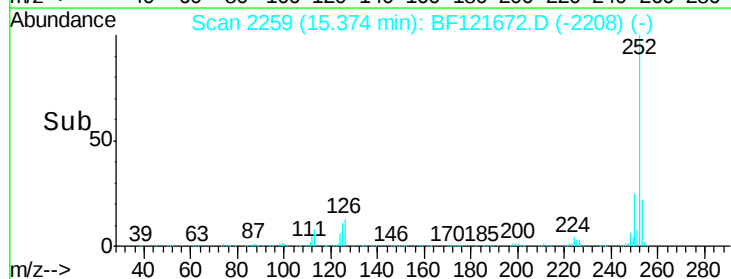
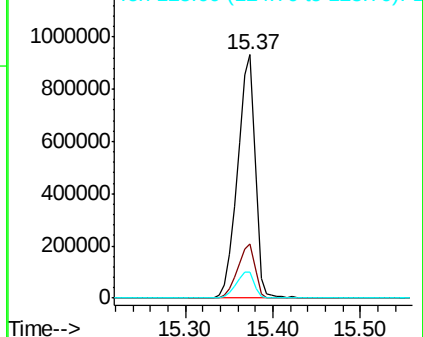
125 10.9 9.1 13.7

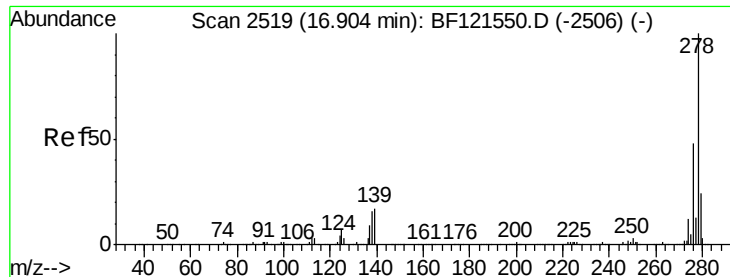


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 42.721 ng

RT: 16.89 min Scan# 2517

Delta R.T. 0.00 min

Lab File: BF121672.D

Acq: 23 Sep 2020 17:41

Instrument :

BNA\_F

ClientSampleId :

HD-01-092220MS

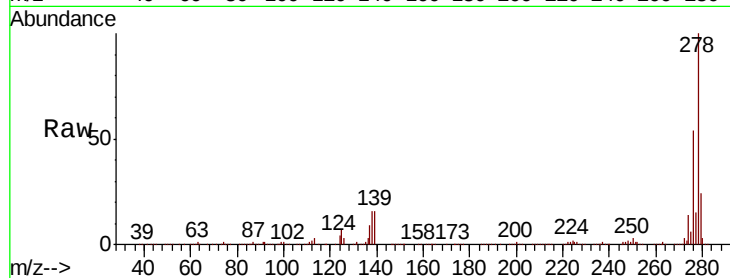
Tot Ion:278 Resp: 1113002

Ion Ratio Lower Upper

278 100

139 15.5 12.0 18.0

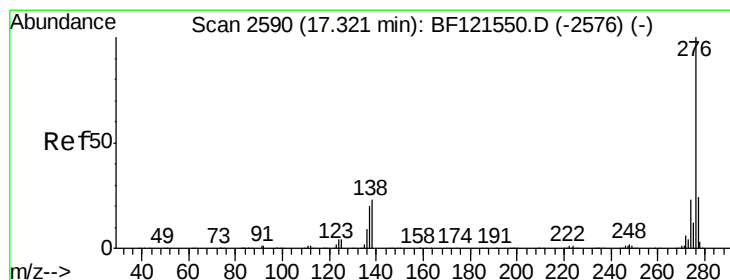
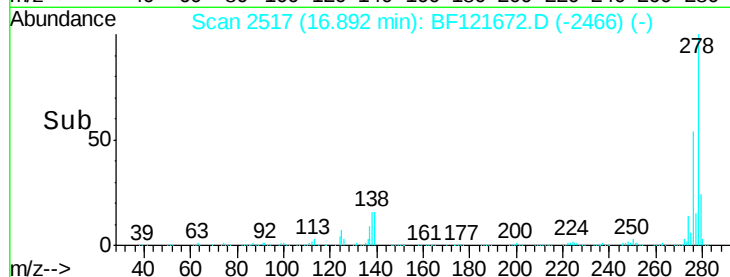
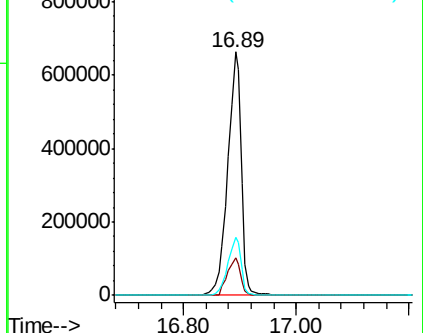
279 23.9 19.4 29.2



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: 42.869 ng

RT: 17.32 min Scan# 2589

Delta R.T. 0.00 min

Lab File: BF121672.D

Acq: 23 Sep 2020 17:41

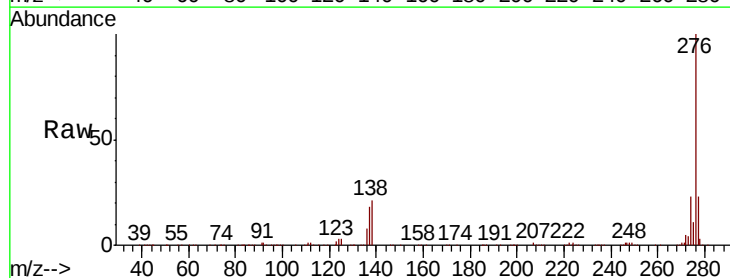
Tgt Ion:276 Resp: 1097837

Ion Ratio Lower Upper

276 100

277 23.2 19.3 28.9

138 20.5 16.9 25.3



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

