

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF032720\  
 Data File : BF119572.D  
 Acq On : 27 Mar 2020 17:33  
 Operator : CG/JU  
 Sample : PB127856BS  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB127856BS

Quant Time: Mar 28 00:52:28 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF031820.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 27 07:52:09 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.83  | 152  | 264183   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.12  | 136  | 995921   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.88  | 164  | 557103   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.36 | 188  | 1076351  | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 14.01 | 240  | 760268   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.47 | 264  | 659219   | 20.00 | ng    | -0.01    |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.45  | 112 | 1560007 | 94.00  | ng | 0.01 |
| 7) Phenol-d6             | 6.46  | 99  | 2062619 | 97.30  | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.40  | 82  | 1240146 | 67.68  | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.67 | 330 | 608418  | 105.86 | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 9.20  | 172 | 2496682 | 66.39  | ng | 0.00 |
| 79) Terphenyl-d14        | 12.96 | 244 | 2755943 | 71.02  | ng | 0.00 |

## Target Compounds

|                                |      |     |         |       |    | Qvalue |
|--------------------------------|------|-----|---------|-------|----|--------|
| 2) 1,4-Dioxane                 | 2.66 | 88  | 241602  | 29.48 | ng | 99     |
| 3) Pyridine                    | 3.38 | 79  | 648136  | 28.70 | ng | 98     |
| 4) n-Nitrosodimethylamine      | 3.33 | 42  | 348778  | 31.67 | ng | 94     |
| 6) Aniline                     | 6.49 | 93  | 770580  | 26.34 | ng | 98     |
| 8) 2-Chlorophenol              | 6.62 | 128 | 668705  | 38.37 | ng | 98     |
| 9) Benzaldehyde                | 6.38 | 77  | 399295  | 29.69 | ng | 99     |
| 10) Phenol                     | 6.47 | 94  | 871472  | 38.53 | ng | 96     |
| 11) bis(2-Chloroethyl)ether    | 6.57 | 93  | 640335  | 35.39 | ng | 98     |
| 12) 1,3-Dichlorobenzene        | 6.77 | 146 | 681044  | 36.10 | ng | 99     |
| 13) 1,4-Dichlorobenzene        | 6.85 | 146 | 683185  | 36.21 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 7.00 | 146 | 632079  | 35.84 | ng | 100    |
| 15) Benzyl Alcohol             | 6.97 | 79  | 549184  | 34.44 | ng | 97     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.11 | 45  | 1209769 | 33.15 | ng | 99     |
| 17) 2-Methylphenol             | 7.08 | 107 | 545729  | 34.17 | ng | 98     |
| 18) Hexachloroethane           | 7.35 | 117 | 256081  | 37.03 | ng | 98     |
| 19) n-Nitroso-di-n-propylamine | 7.25 | 70  | 462225  | 36.17 | ng | 99     |
| 20) 3+4-Methylphenols          | 7.23 | 107 | 674423  | 34.46 | ng | 93     |
| 22) Acetophenone               | 7.24 | 105 | 877927  | 36.89 | ng | # 91   |
| 24) Nitrobenzene               | 7.42 | 77  | 687769  | 35.12 | ng | 96     |
| 25) Isophorone                 | 7.65 | 82  | 1272905 | 34.24 | ng | 99     |
| 26) 2-Nitrophenol              | 7.73 | 139 | 355858  | 46.15 | ng | 87     |
| 27) 2,4-Dimethylphenol         | 7.77 | 122 | 580237  | 36.39 | ng | 99     |
| 28) bis(2-Chloroethoxy)methane | 7.87 | 93  | 807556  | 36.74 | ng | 100    |
| 29) 2,4-Dichlorophenol         | 7.97 | 162 | 556041  | 37.96 | ng | 99     |
| 30) 1,2,4-Trichlorobenzene     | 8.06 | 180 | 572612  | 35.34 | ng | 99     |
| 31) Naphthalene                | 8.14 | 128 | 1818037 | 35.47 | ng | 99     |
| 32) Benzoic acid               | 7.88 | 122 | 441359  | 43.03 | ng | 96     |
| 33) 4-Chloroaniline            | 8.19 | 127 | 427660  | 18.21 | ng | 97     |
| 34) Hexachlorobutadiene        | 8.26 | 225 | 324415  | 35.79 | ng | 99     |
| 35) Caprolactam                | 8.55 | 113 | 113943  | 23.76 | ng | 98     |
| 36) 4-Chloro-3-methylphenol    | 8.67 | 107 | 613937  | 38.34 | ng | 99     |
| 37) 2-Methylnaphthalene        | 8.83 | 142 | 1300517 | 38.66 | ng | 99     |
| 38) 1-Methylnaphthalene        | 8.93 | 142 | 1156419 | 36.32 | ng | 100    |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.00 | 216 | 564879  | 34.59 | ng | 99     |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF032720\  
 Data File : BF119572.D  
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 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

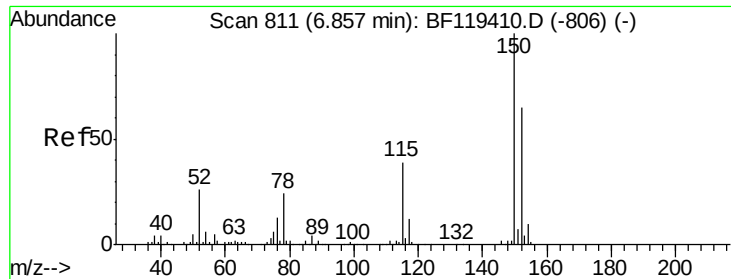
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 BNA\_F  
 ClientSampleId :  
 PB127856BS

Quant Time: Mar 28 00:52:28 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF031820.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 27 07:52:09 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 8.99  | 237  | 673617   | 72.56 | ng    | 100      |
| 43) 2,4,6-Trichlorophenol      | 9.11  | 196  | 422683   | 36.17 | ng    | 99       |
| 44) 2,4,5-Trichlorophenol      | 9.15  | 196  | 440672   | 33.66 | ng    | 93       |
| 46) 1,1'-Biphenyl              | 9.30  | 154  | 1584835  | 34.93 | ng    | 99       |
| 47) 2-Chloronaphthalene        | 9.32  | 162  | 1229073  | 34.58 | ng    | 99       |
| 48) 2-Nitroaniline             | 9.42  | 65   | 459425   | 37.45 | ng    | 98       |
| 49) Acenaphthylene             | 9.74  | 152  | 1946258  | 34.87 | ng    | 99       |
| 50) Dimethylphthalate          | 9.60  | 163  | 1395617  | 35.27 | ng    | 99       |
| 51) 2,6-Dinitrotoluene         | 9.66  | 165  | 328908   | 38.78 | ng    | 90       |
| 52) Acenaphthene               | 9.91  | 154  | 1336937  | 38.42 | ng    | 99       |
| 53) 3-Nitroaniline             | 9.83  | 138  | 241385   | 22.54 | ng    | 93       |
| 54) 2,4-Dinitrophenol          | 9.93  | 184  | 305546   | 82.96 | ng    | 98       |
| 55) Dibenzofuran               | 10.09 | 168  | 1682683  | 33.73 | ng    | 99       |
| 56) 4-Nitrophenol              | 9.99  | 139  | 543561   | 64.35 | ng    | 95       |
| 57) 2,4-Dinitrotoluene         | 10.06 | 165  | 412127   | 38.57 | ng    | 97       |
| 58) Fluorene                   | 10.43 | 166  | 1320743  | 35.80 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 10.20 | 232  | 373531   | 38.17 | ng    | 99       |
| 60) Diethylphthalate           | 10.30 | 149  | 1449898  | 36.10 | ng    | 99       |
| 61) 4-Chlorophenyl-phenylether | 10.42 | 204  | 642759   | 35.63 | ng    | 98       |
| 62) 4-Nitroaniline             | 10.45 | 138  | 352546   | 34.33 | ng    | 96       |
| 63) Azobenzene                 | 10.58 | 77   | 1430896  | 35.38 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylphenol | 10.47 | 198  | 213478   | 47.30 | ng    | 87       |
| 66) n-Nitrosodiphenylamine     | 10.54 | 169  | 1227448  | 34.74 | ng    | 98       |
| 67) 4-Bromophenyl-phenylether  | 10.91 | 248  | 408517   | 33.33 | ng    | 98       |
| 68) Hexachlorobenzene          | 10.97 | 284  | 442932   | 35.30 | ng    | 98       |
| 69) Atrazine                   | 11.07 | 200  | 381346   | 39.37 | ng    | 99       |
| 70) Pentachlorophenol          | 11.17 | 266  | 503165   | 68.40 | ng    | 99       |
| 71) Phenanthrene               | 11.39 | 178  | 1954274  | 35.02 | ng    | 99       |
| 72) Anthracene                 | 11.45 | 178  | 2048734  | 36.12 | ng    | 99       |
| 73) Carbazole                  | 11.60 | 167  | 1879248  | 33.47 | ng    | 98       |
| 74) Di-n-butylphthalate        | 11.93 | 149  | 2305473  | 38.39 | ng    | 99       |
| 75) Fluoranthene               | 12.58 | 202  | 2150745  | 35.61 | ng    | 99       |
| 77) Benzidine                  | 12.70 | 184  | 1281464  | 39.83 | ng    | 100      |
| 78) Pyrene                     | 12.81 | 202  | 2131947  | 34.17 | ng    | 99       |
| 80) Butylbenzylphthalate       | 13.43 | 149  | 971773   | 38.51 | ng    | 97       |
| 81) Benzo(a)anthracene         | 14.00 | 228  | 1677017  | 33.92 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine     | 13.96 | 252  | 407977   | 20.93 | ng    | 99       |
| 83) Chrysene                   | 14.03 | 228  | 1739032  | 34.08 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 13.99 | 149  | 1279515  | 42.53 | ng    | 99       |
| 85) Di-n-octyl phthalate       | 14.60 | 149  | 2250111  | 42.53 | ng    | 100      |
| 86) Indeno(1,2,3-cd)pyrene     | 16.93 | 276  | 1481149  | 30.82 | ng    | 98       |
| 88) Benzo(b)fluoranthene       | 15.04 | 252  | 1581716  | 35.92 | ng    | 99       |
| 89) Benzo(k)fluoranthene       | 15.07 | 252  | 1551777  | 37.01 | ng    | 100      |
| 90) Benzo(a)pyrene             | 15.41 | 252  | 1396936  | 34.91 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene     | 16.95 | 278  | 1247274  | 35.63 | ng    | 99       |
| 92) Benzo(g,h,i)perylene       | 17.37 | 276  | 1204941  | 34.27 | ng    | 95       |

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



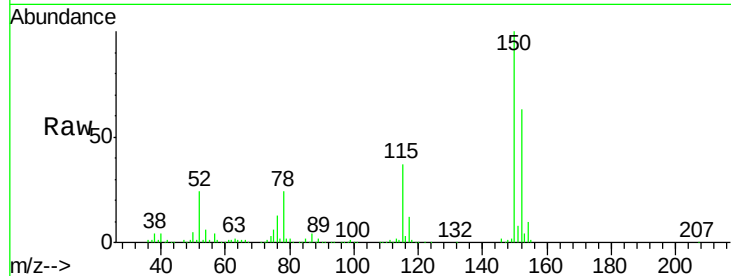


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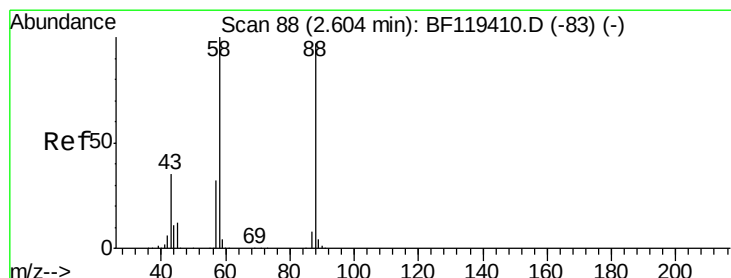
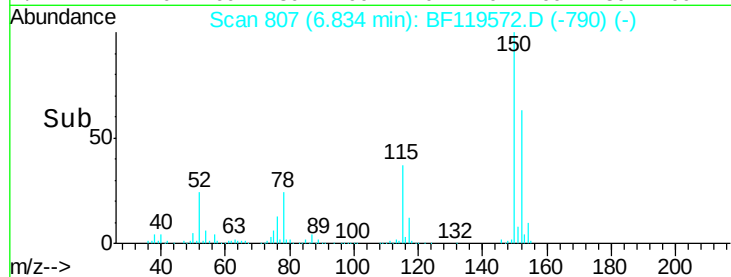
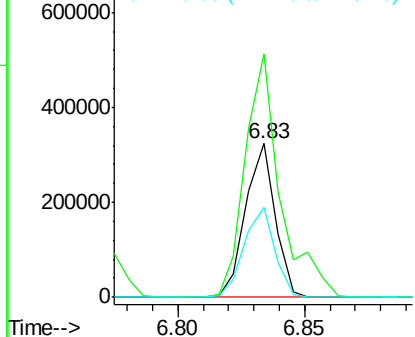
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Concen: 20.00 ng  
RT: 6.83 min Scan# 807  
Delta R.T. 0.00 min  
Lab File: BF119572.D  
Acq: 27 Mar 2020 17:33

Instrument :  
BNA\_F  
ClientSampleId :  
PB127856BS

Tgt Ion:152 Resp: 264183  
Ion Ratio Lower Upper  
152 100  
150 158.5 124.5 186.7  
115 58.7 49.6 74.4



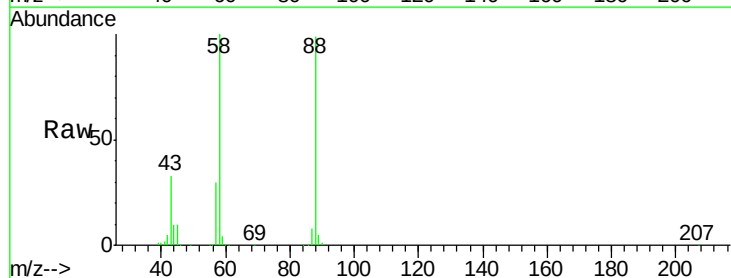
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



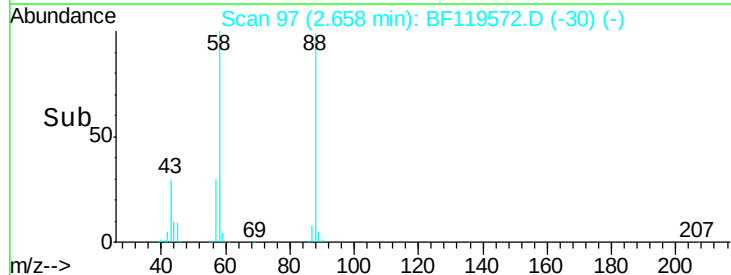
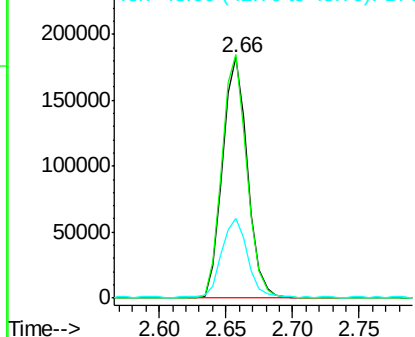
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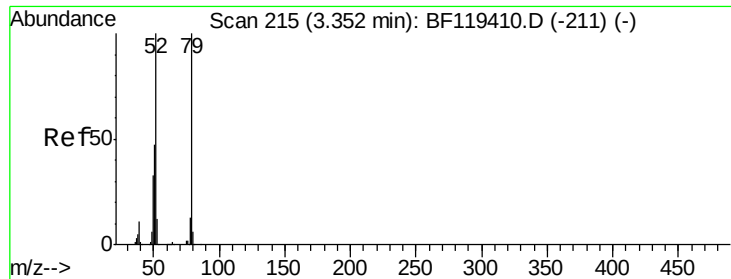
1,4-Dioxane  
Concen: 29.48 ng  
RT: 2.66 min Scan# 97  
Delta R.T. 0.09 min  
Lab File: BF119572.D  
Acq: 27 Mar 2020 17:33

Tgt Ion: 88 Resp: 241602  
Ion Ratio Lower Upper  
88 100  
58 100.7 80.6 121.0  
43 33.4 27.5 41.3



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

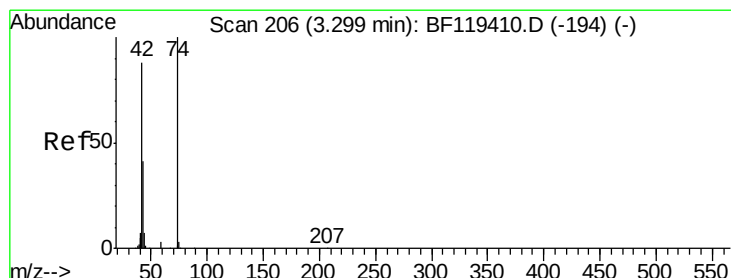
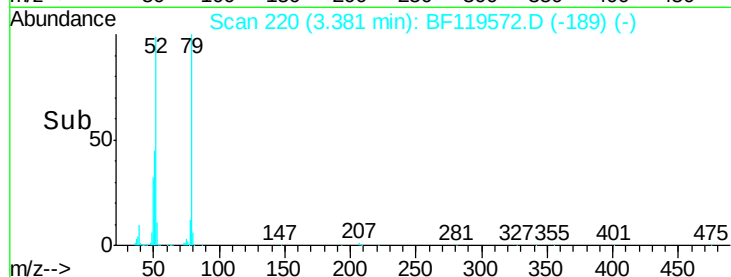
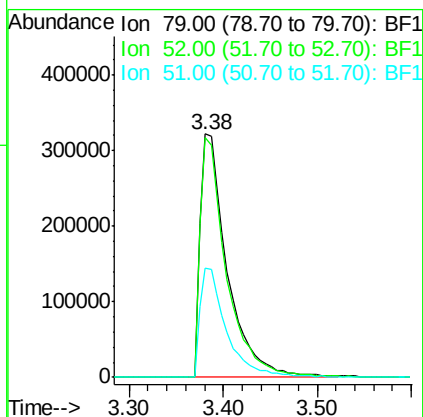
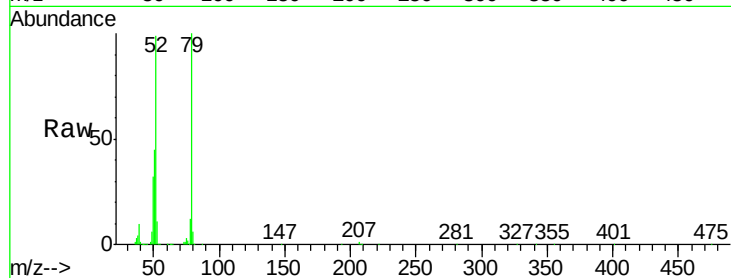




#3  
 Pyridine  
 Concen: 28.70 ng  
 RT: 3.38 min Scan# 220  
 Delta R.T. 0.08 min  
 Lab File: BF119572.D  
 Acq: 27 Mar 2020 17:33

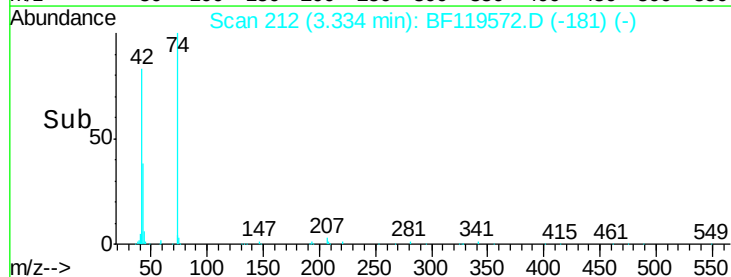
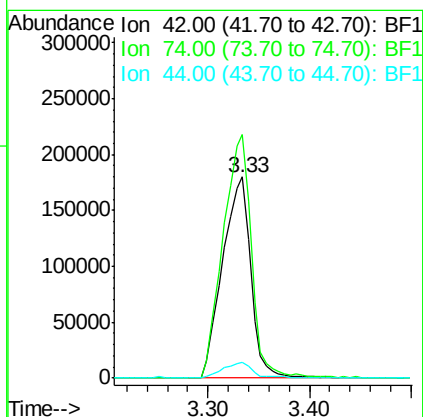
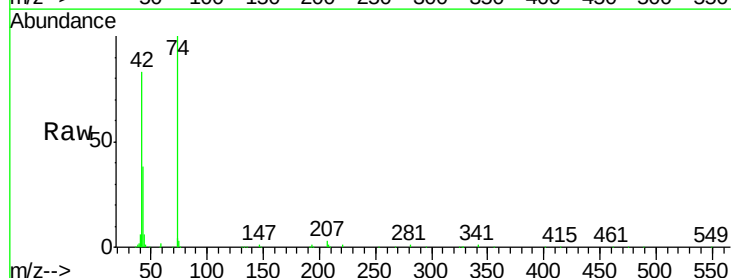
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB127856BS

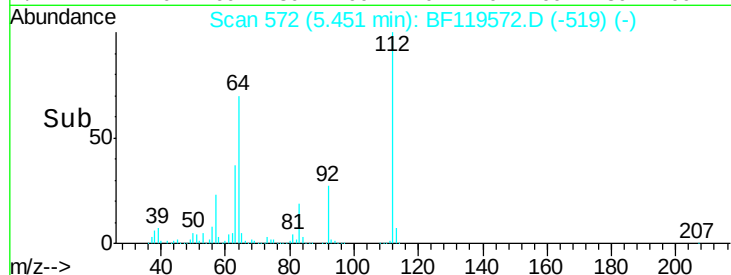
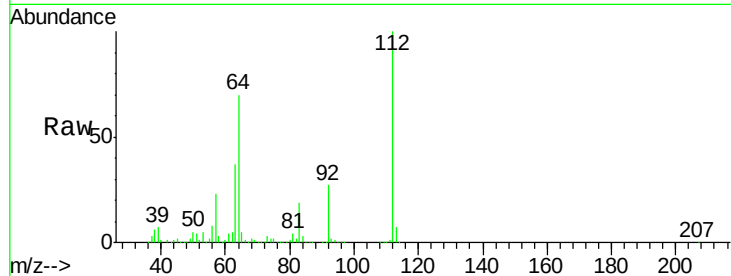
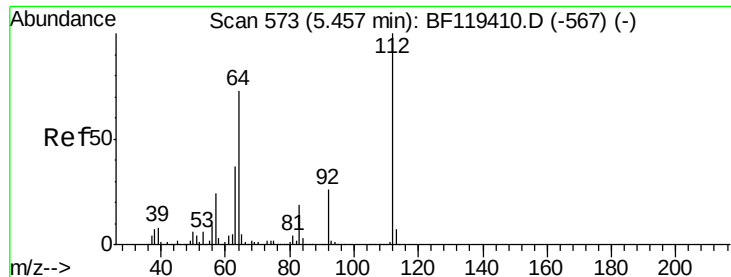
Tgt Ion: 79 Resp: 648136  
 Ion Ratio Lower Upper  
 79 100  
 52 98.6 80.2 120.2  
 51 44.6 37.7 56.5



#4  
 n-Nitrosodimethylamine  
 Concen: 31.67 ng  
 RT: 3.33 min Scan# 212  
 Delta R.T. 0.08 min  
 Lab File: BF119572.D  
 Acq: 27 Mar 2020 17:33

Tgt Ion: 42 Resp: 348778  
 Ion Ratio Lower Upper  
 42 100  
 74 121.0 91.5 137.3  
 44 7.8 6.2 9.4





#5

2-Fluorophenol

Concen: 94.00 ng

RT: 5.45 min Scan# 572

Delta R.T. 0.01 min

Lab File: BF119572.D

Acq: 27 Mar 2020 17:33

Instrument :

BNA\_F

ClientSampleId :

PB127856BS

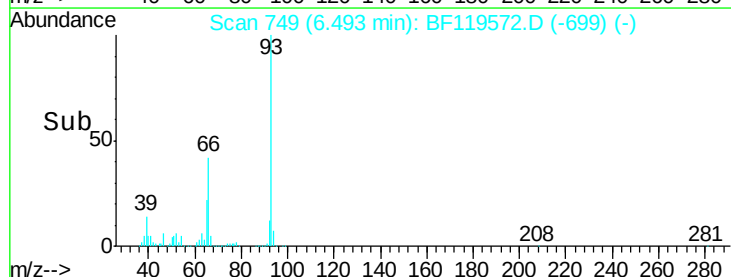
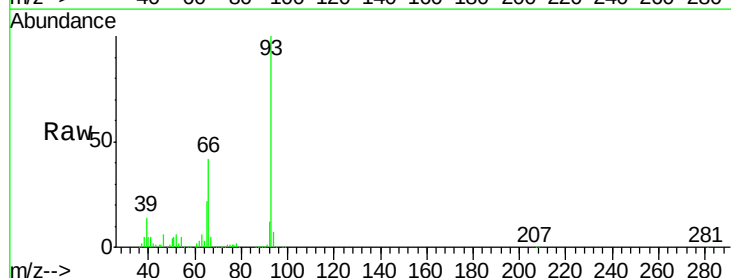
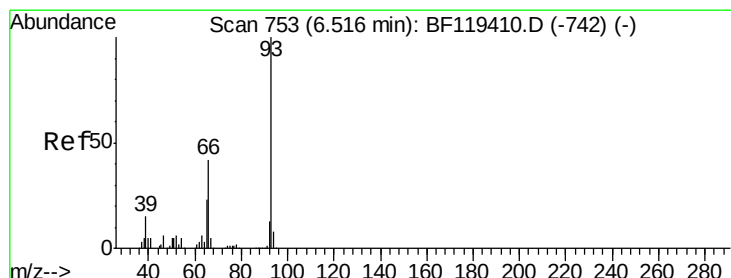
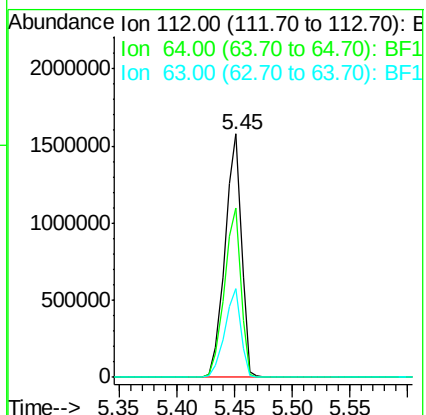
Tgt Ion: 112 Resp: 1560007

Ion Ratio Lower Upper

112 100

64 69.7 56.7 85.1

63 36.7 29.5 44.3



#6

Aniline

Concen: 26.34 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF119572.D

Acq: 27 Mar 2020 17:33

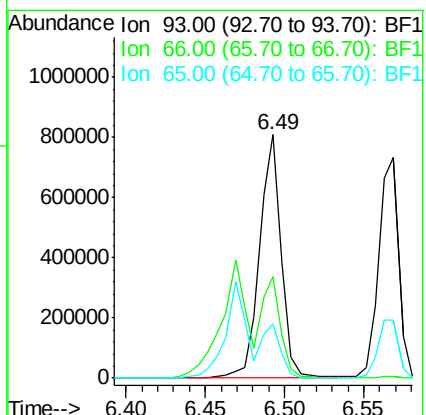
Tgt Ion: 93 Resp: 770580

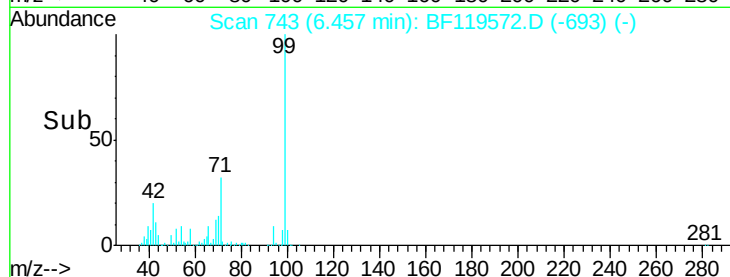
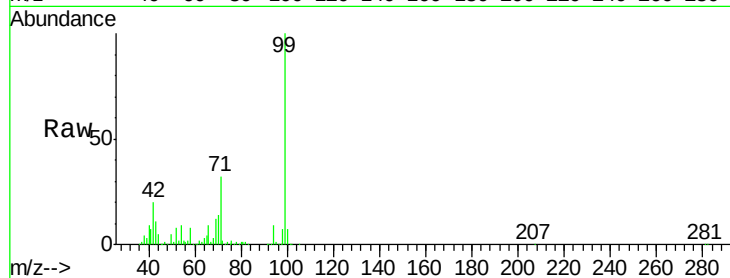
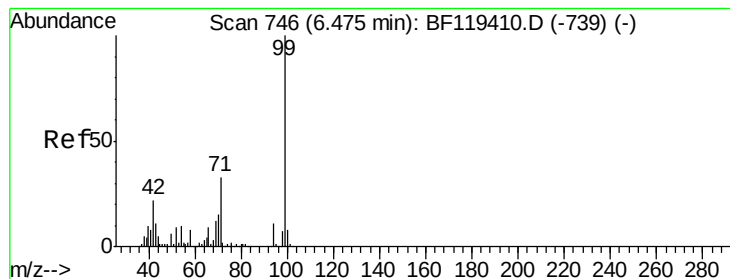
Ion Ratio Lower Upper

93 100

66 42.0 34.9 52.3

65 22.5 18.6 27.8





#7

Phenol-d6

Concen: 97.30 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF119572.D

Acq: 27 Mar 2020 17:33

Instrument :

BNA\_F

ClientSampleId :

PB127856BS

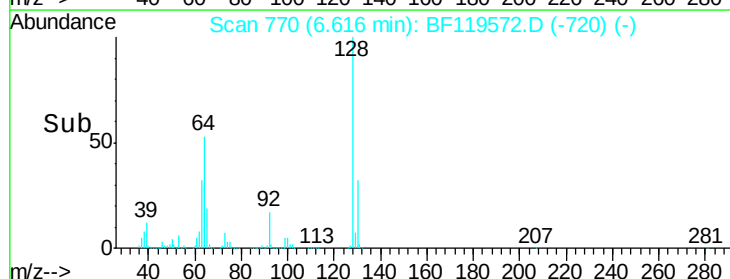
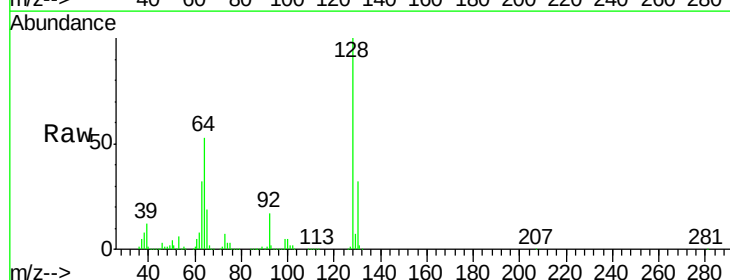
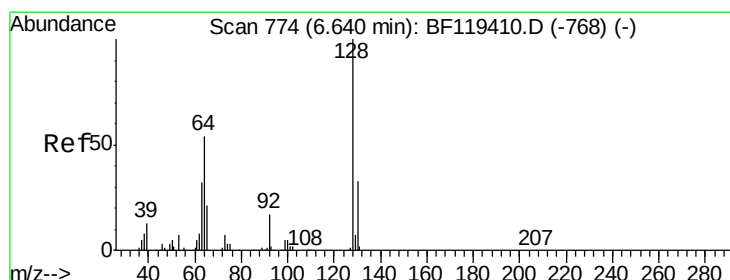
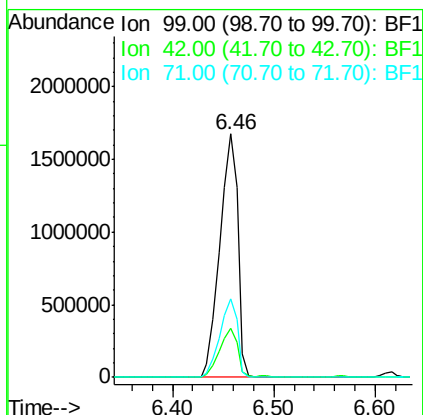
Tgt Ion: 99 Resp: 2062619

Ion Ratio Lower Upper

99 100

42 20.4 16.6 24.8

71 32.3 26.4 39.6



#8

2-Chlorophenol

Concen: 38.37 ng

RT: 6.62 min Scan# 770

Delta R.T. -0.01 min

Lab File: BF119572.D

Acq: 27 Mar 2020 17:33

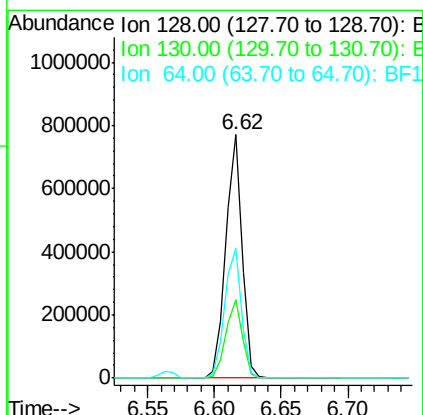
Tgt Ion: 128 Resp: 668705

Ion Ratio Lower Upper

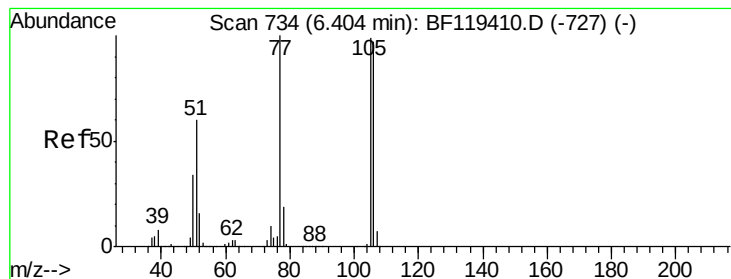
128 100

130 32.5 12.6 52.6

64 53.2 35.3 75.3







#9

Benzaldehyde

Concen: 29.69 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF119572.D

Acq: 27 Mar 2020 17:33

Instrument :

BNA\_F

ClientSampleId :

PB127856BS

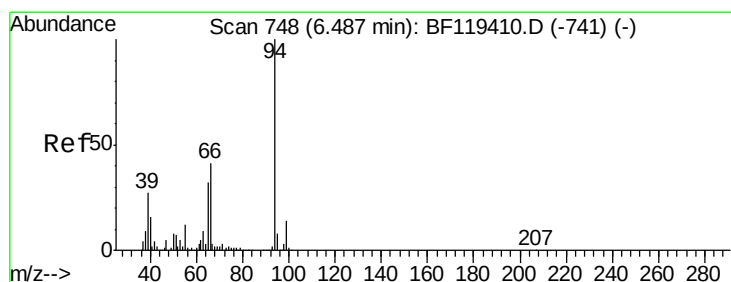
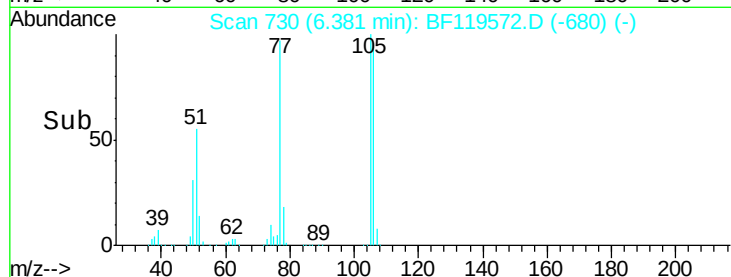
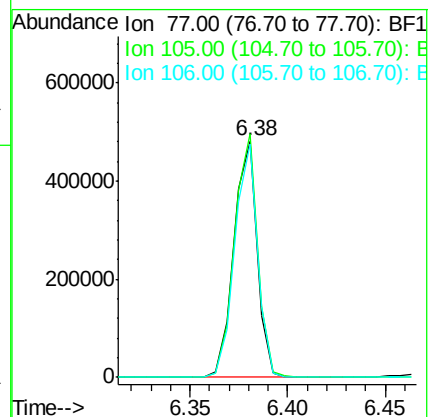
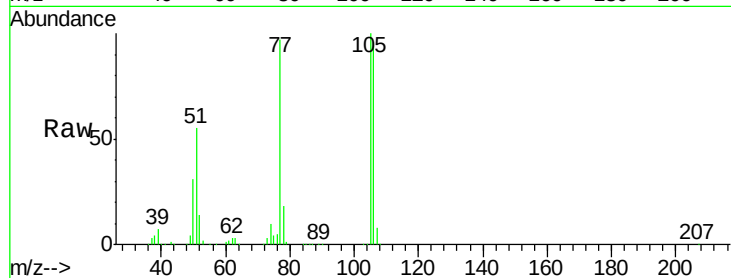
Tgt Ion: 77 Resp: 399295

Ion Ratio Lower Upper

77 100

105 102.9 80.9 120.9

106 98.8 77.9 117.9



#10

Phenol

Concen: 38.53 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF119572.D

Acq: 27 Mar 2020 17:33

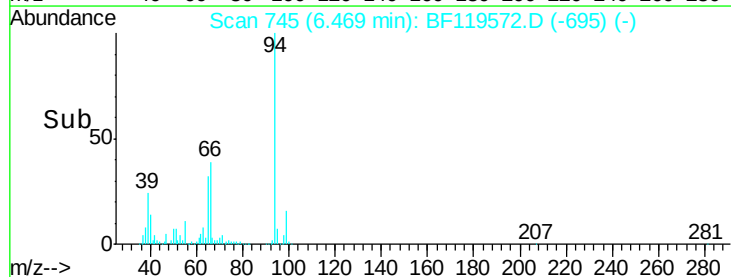
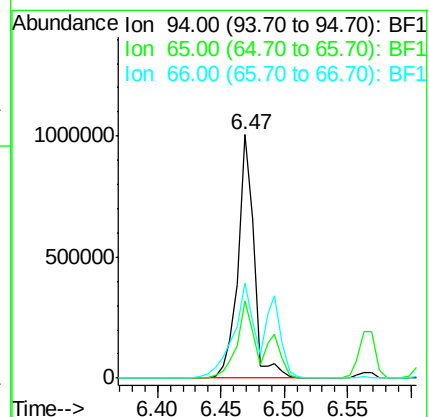
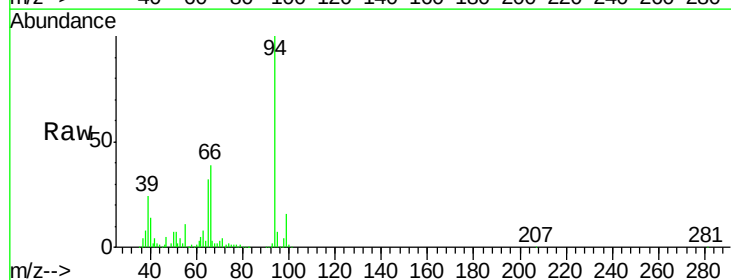
Tgt Ion: 94 Resp: 871472

Ion Ratio Lower Upper

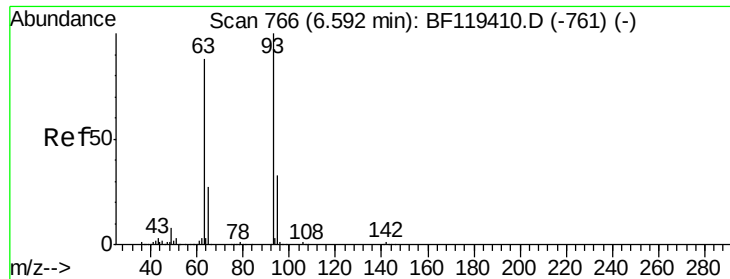
94 100

65 31.8 13.2 53.2

66 38.9 22.3 62.3



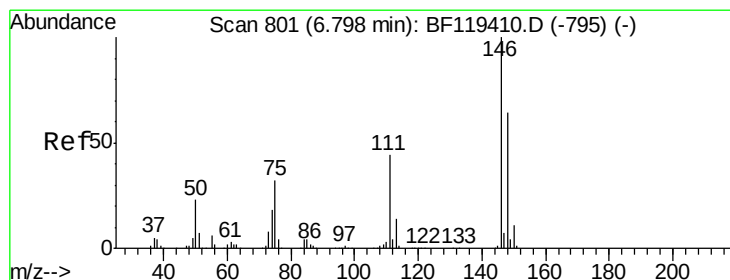
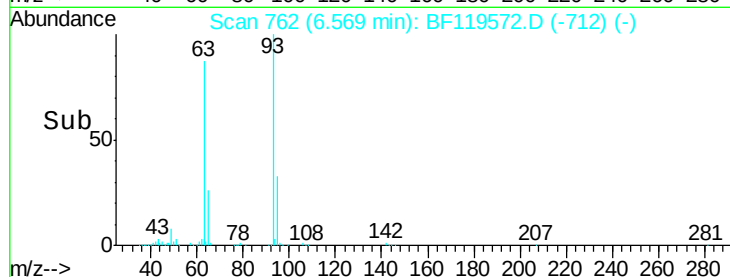
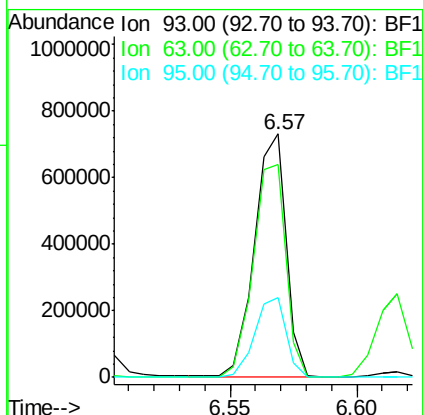
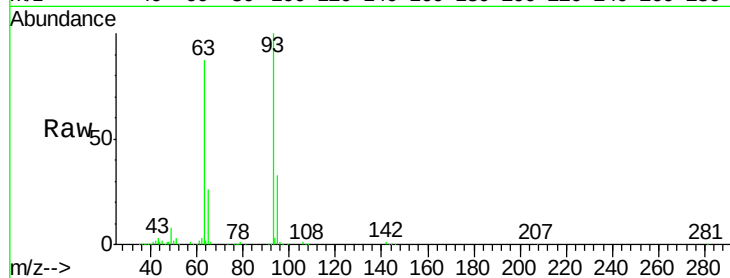




#11  
bis(2-Chloroethyl)ether  
Concen: 35.39 ng  
RT: 6.57 min Scan# 762  
Delta R.T. -0.01 min  
Lab File: BF119572.D  
Acq: 27 Mar 2020 17:33

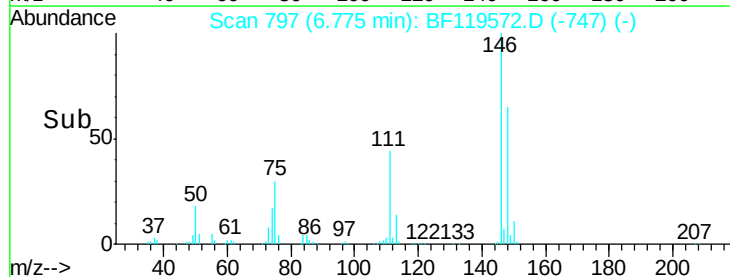
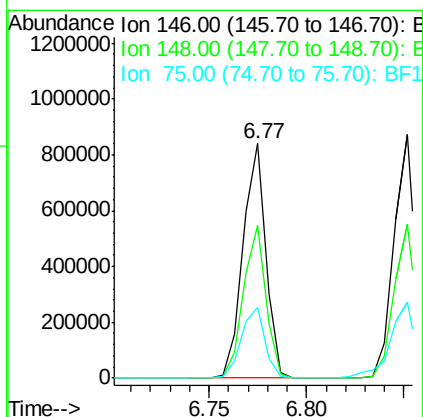
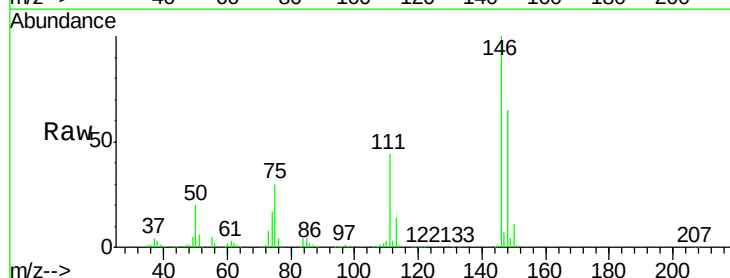
Instrument :  
BNA\_F  
ClientSampleId :  
PB127856BS

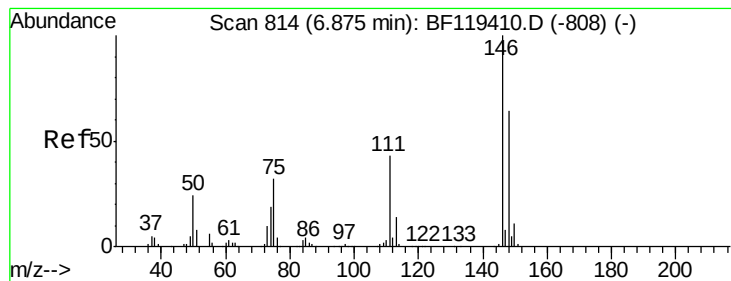
Tgt Ion: 93 Resp: 640335  
Ion Ratio Lower Upper  
93 100  
63 87.4 70.2 110.2  
95 32.8 13.4 53.4



#12  
1,3-Dichlorobenzene  
Concen: 36.10 ng  
RT: 6.77 min Scan# 797  
Delta R.T. -0.01 min  
Lab File: BF119572.D  
Acq: 27 Mar 2020 17:33

Tgt Ion: 146 Resp: 681044  
Ion Ratio Lower Upper  
146 100  
148 65.0 52.2 78.4  
75 30.0 23.0 34.4





#13

1,4-Dichlorobenzene

Concen: 36.21 ng

RT: 6.85 min Scan# 810

Delta R.T. -0.01 min

Lab File: BF119572.D

Acq: 27 Mar 2020 17:33

Instrument :

BNA\_F

ClientSampleId :

PB127856BS

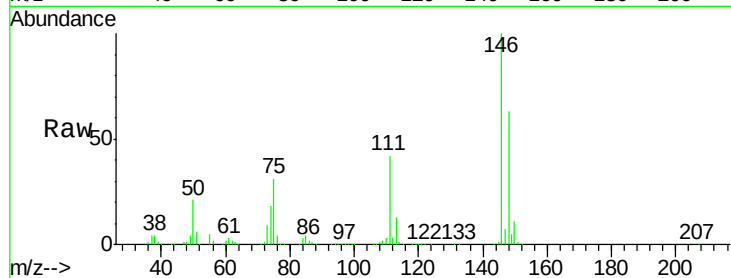
Tgt Ion:146 Resp: 683185

Ion Ratio Lower Upper

146 100

148 63.5 51.5 77.3

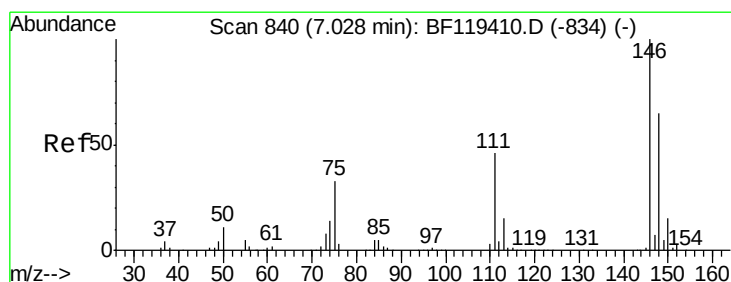
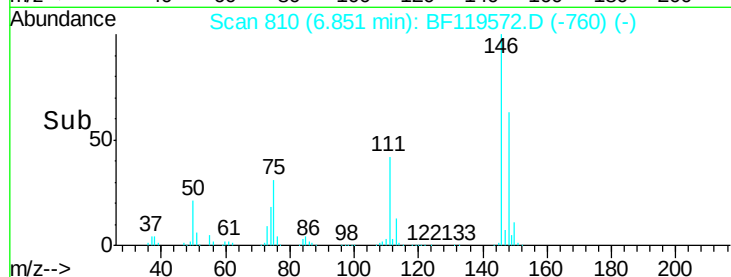
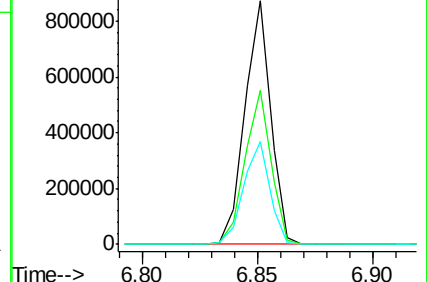
111 42.0 33.3 49.9



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: 35.84 ng

RT: 7.00 min Scan# 836

Delta R.T. -0.01 min

Lab File: BF119572.D

Acq: 27 Mar 2020 17:33

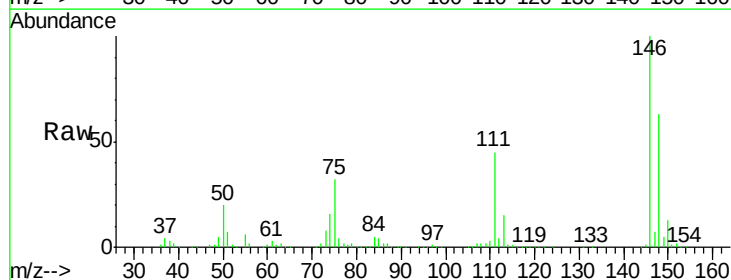
Tgt Ion:146 Resp: 632079

Ion Ratio Lower Upper

146 100

148 63.1 50.6 75.8

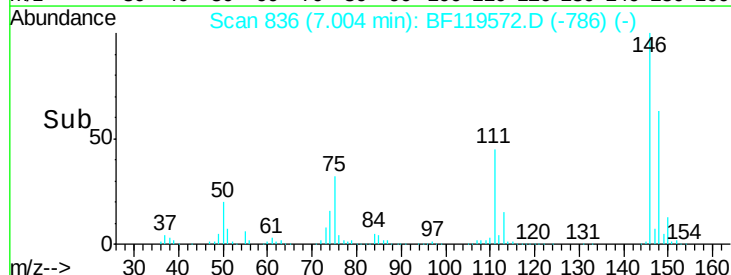
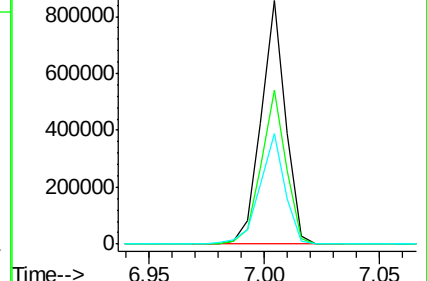
111 45.1 36.1 54.1

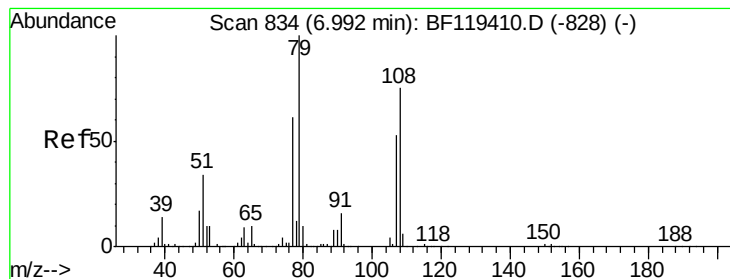


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 34.44 ng

RT: 6.97 min Scan# 831

Delta R.T. 0.00 min

Lab File: BF119572.D

Acq: 27 Mar 2020 17:33

Instrument :

BNA\_F

ClientSampleId :

PB127856BS

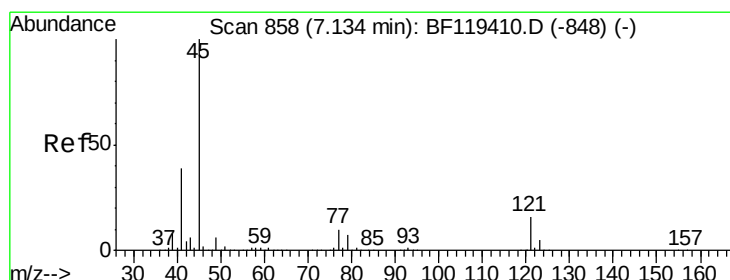
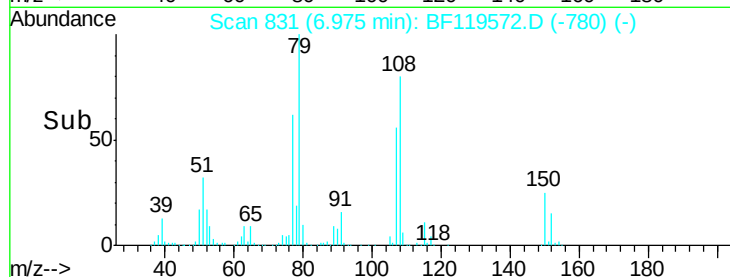
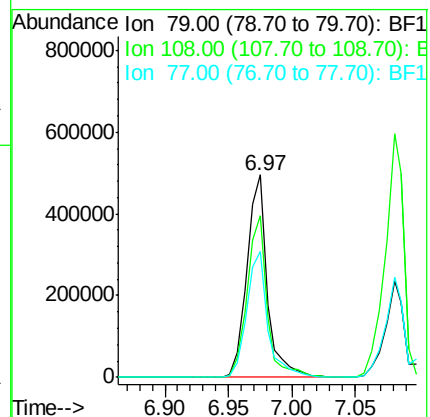
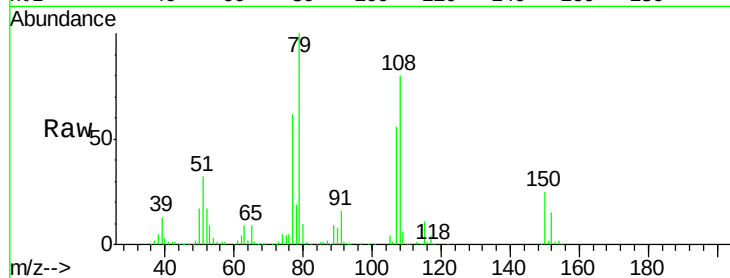
Tgt Ion: 79 Resp: 549184

Ion Ratio Lower Upper

79 100

108 79.6 60.6 90.8

77 62.1 50.2 75.2



#16

2,2'-oxybis(1-Chloropropane)

Concen: 33.15 ng

RT: 7.11 min Scan# 854

Delta R.T. -0.01 min

Lab File: BF119572.D

Acq: 27 Mar 2020 17:33

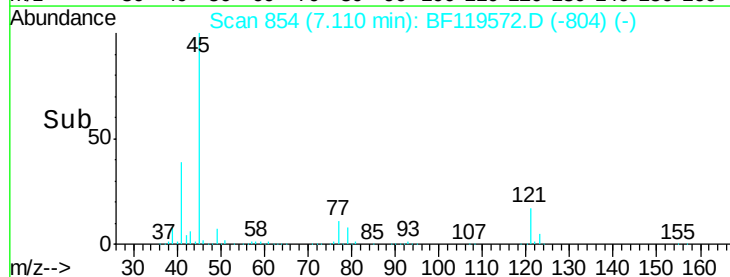
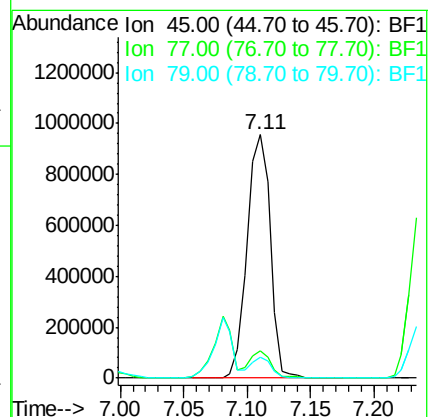
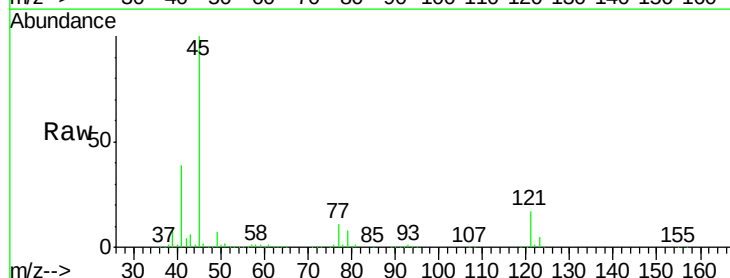
Tgt Ion: 45 Resp: 1209769

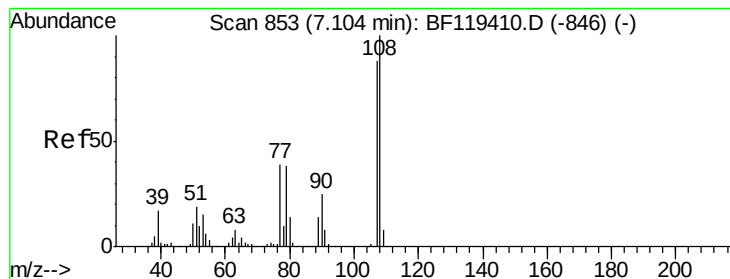
Ion Ratio Lower Upper

45 100

77 11.2 0.0 30.7

79 8.5 0.0 28.2





#17

2-Methylphenol

Concen: 34.17 ng

RT: 7.08 min Scan# 849

Delta R.T. -0.01 min

Lab File: BF119572.D

Acq: 27 Mar 2020 17:33

Instrument :

BNA\_F

ClientSampleId :

PB127856BS

Tgt Ion:107 Resp: 545729

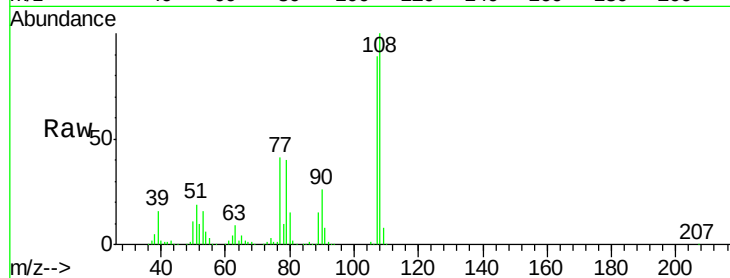
Ion Ratio Lower Upper

107 100

108 112.3 92.2 138.4

77 46.2 36.6 54.8

79 44.7 36.2 54.4

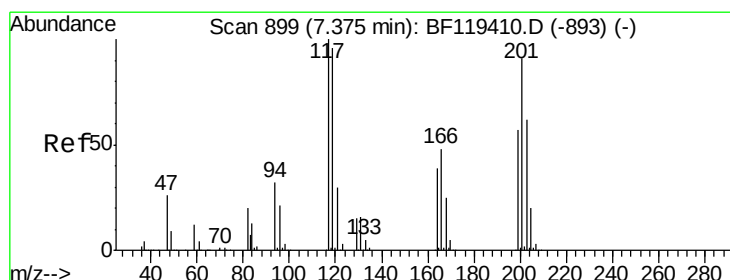
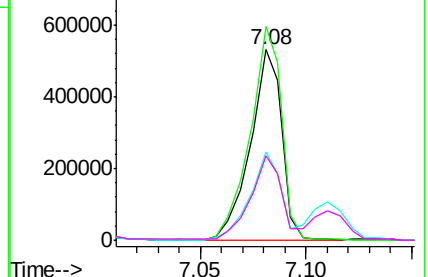
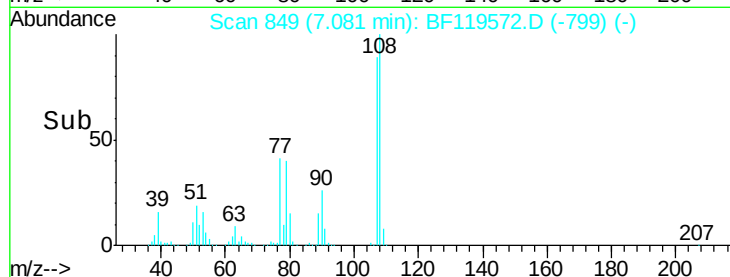


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18

Hexachloroethane

Concen: 37.03 ng

RT: 7.35 min Scan# 895

Delta R.T. 0.00 min

Lab File: BF119572.D

Acq: 27 Mar 2020 17:33

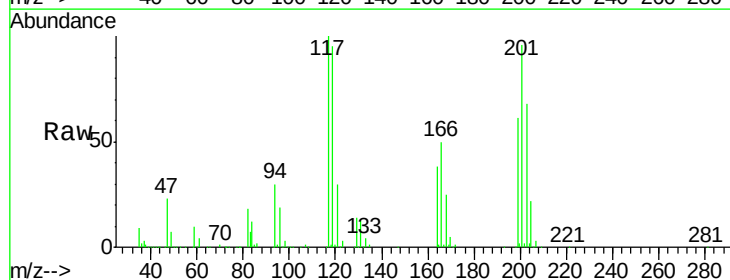
Tgt Ion:117 Resp: 256081

Ion Ratio Lower Upper

117 100

119 95.3 76.1 114.1

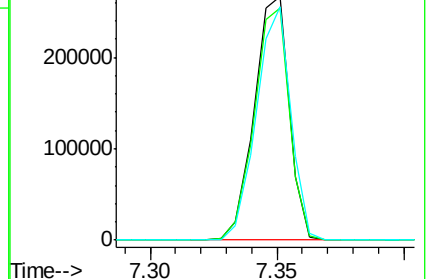
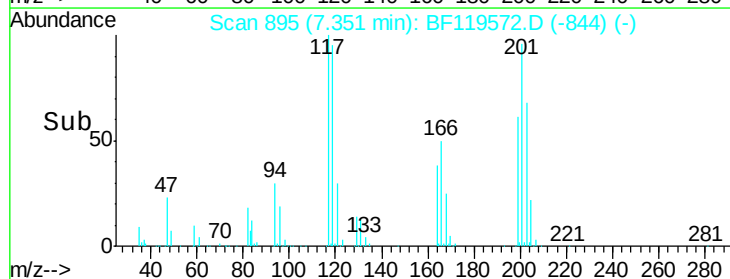
201 95.9 73.0 109.6

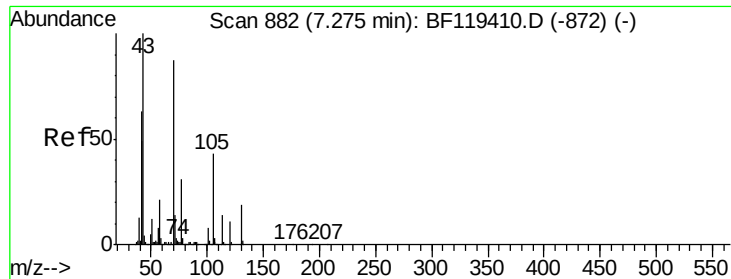


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

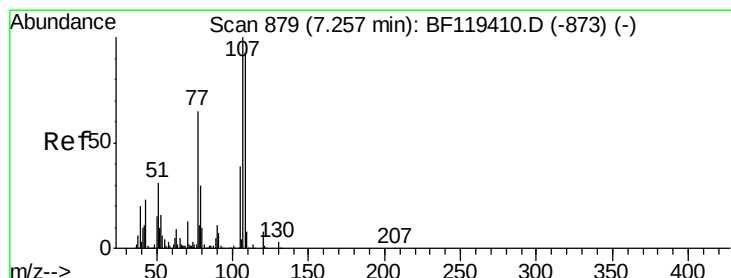
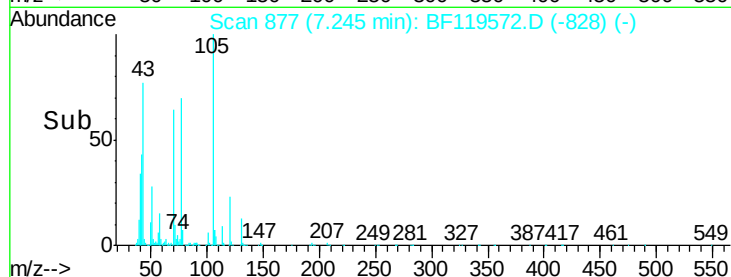
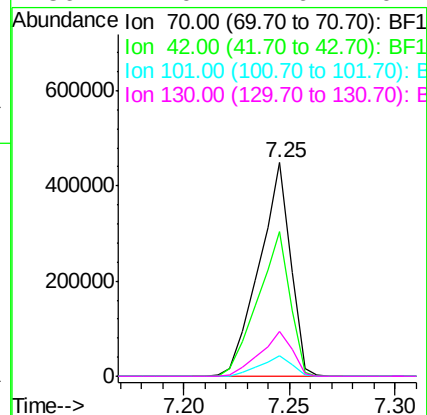
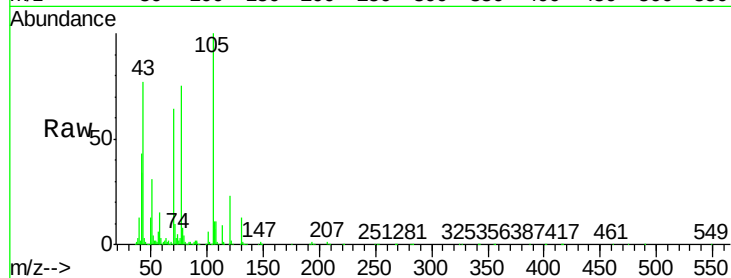




#19  
n-Nitroso-di-n-propylamine  
Concen: 36.17 ng  
RT: 7.25 min Scan# 877  
Delta R.T. -0.01 min  
Lab File: BF119572.D  
Acq: 27 Mar 2020 17:33

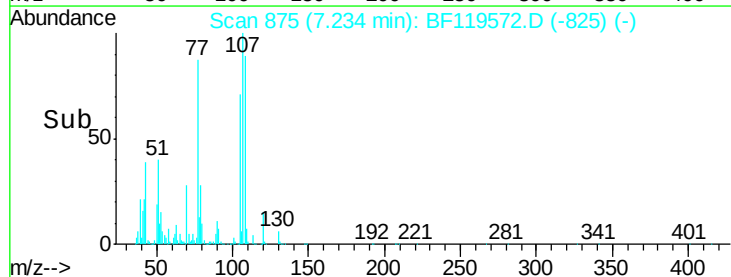
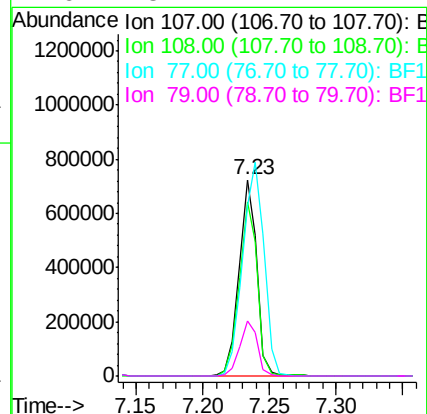
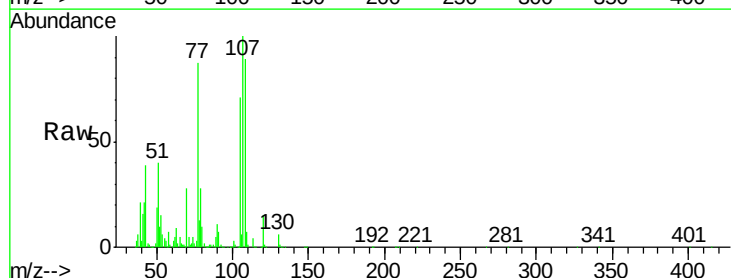
Instrument :  
BNA\_F  
ClientSampleId :  
PB127856BS

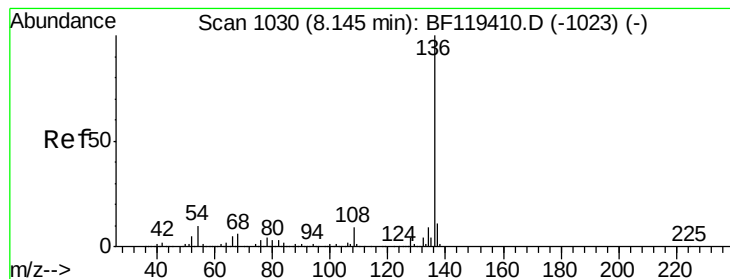
Tgt Ion: 70 Resp: 462225  
Ion Ratio Lower Upper  
70 100  
42 67.5 54.5 81.7  
101 9.3 7.6 11.4  
130 21.0 17.6 26.4



#20  
3+4-Methylphenols  
Concen: 34.46 ng  
RT: 7.23 min Scan# 875  
Delta R.T. -0.01 min  
Lab File: BF119572.D  
Acq: 27 Mar 2020 17:33

Tgt Ion: 107 Resp: 674423  
Ion Ratio Lower Upper  
107 100  
108 88.7 67.9 107.9  
77 87.1 52.9 92.9  
79 28.2 7.7 47.7





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF119572.D

Acq: 27 Mar 2020 17:33

Instrument :

BNA\_F

ClientSampleId :

PB127856BS

Tgt Ion:136 Resp: 995921

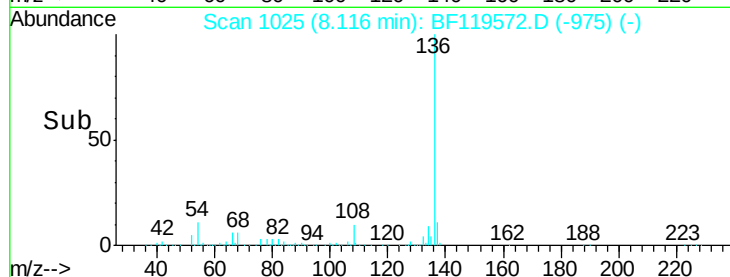
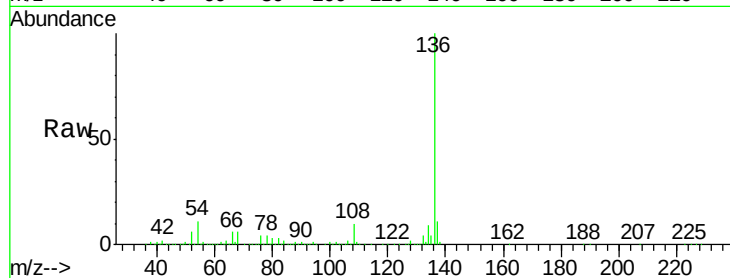
Ion Ratio Lower Upper

136 100

137 11.2 8.7 13.1

54 11.4 9.1 13.7

68 6.2 4.6 6.8



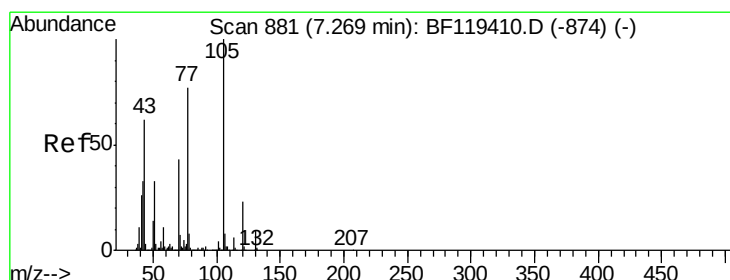
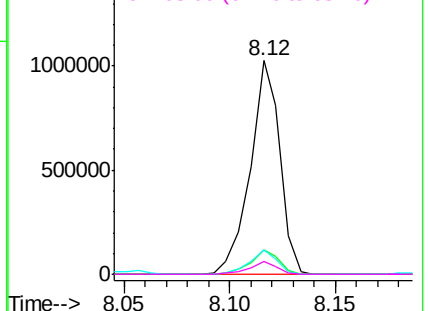
Abundance

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: 36.89 ng

RT: 7.24 min Scan# 876

Delta R.T. -0.01 min

Lab File: BF119572.D

Acq: 27 Mar 2020 17:33

Tgt Ion:105 Resp: 877927

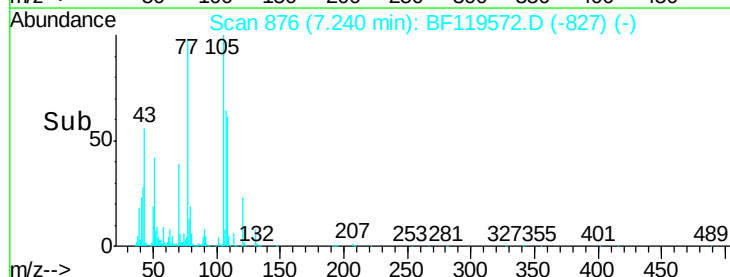
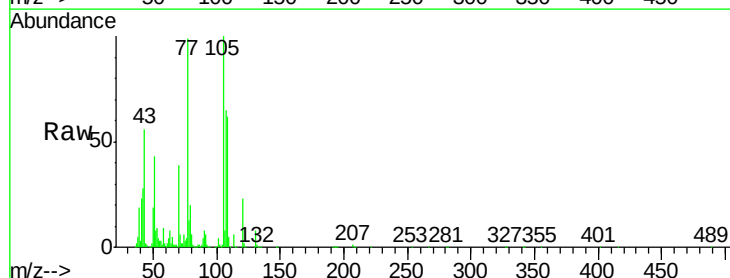
Ion Ratio Lower Upper

105 100

71 6.3 5.7 8.5

51 42.6 26.2 39.4

120 22.7 18.3 27.5



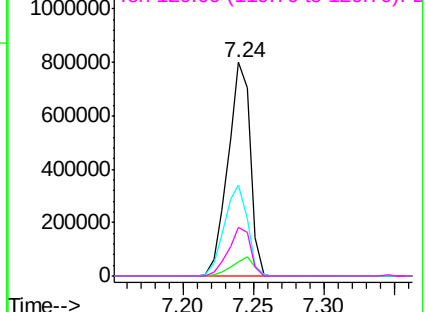
Abundance

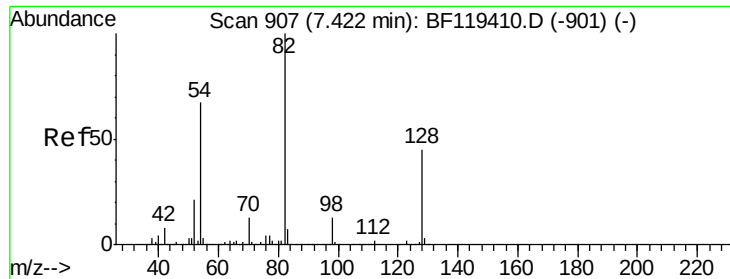
Ion 105.00 (104.70 to 105.70): E

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

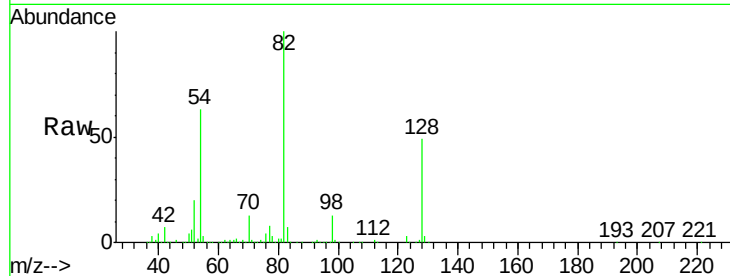




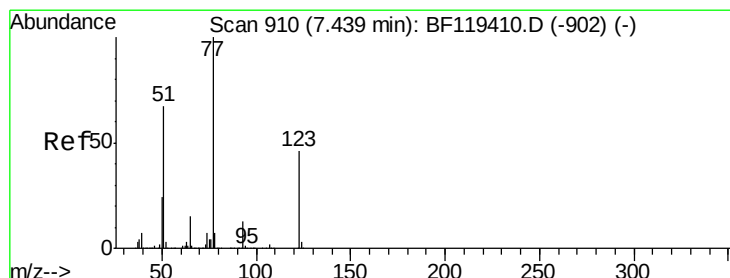
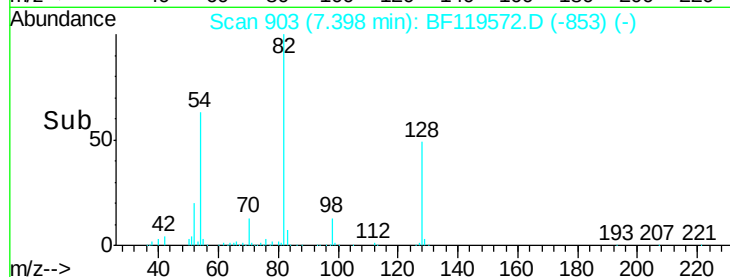
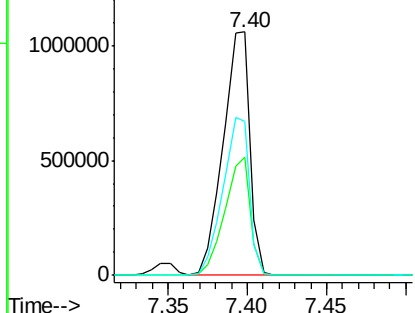
#23  
 Nitrobenzene-d5  
 Concen: 67.68 ng  
 RT: 7.40 min Scan# 903  
 Delta R.T. -0.01 min  
 Lab File: BF119572.D  
 Acq: 27 Mar 2020 17:33

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB127856BS

Tgt Ion: 82 Resp: 1240146  
 Ion Ratio Lower Upper  
 82 100  
 128 48.7 36.3 54.5  
 54 63.1 50.6 75.8

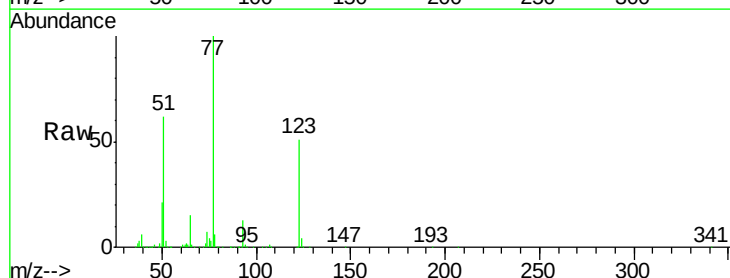


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

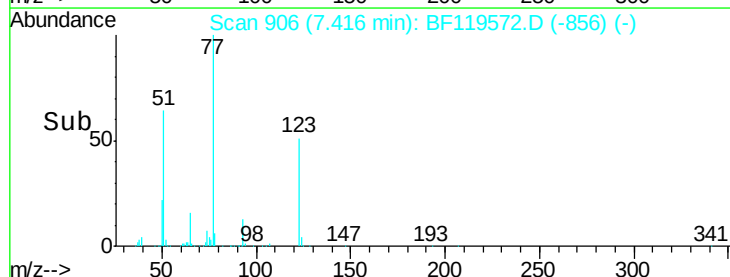
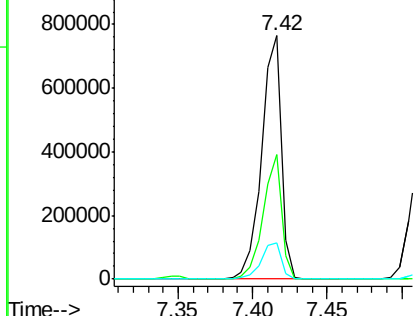


#24  
 Nitrobenzene  
 Concen: 35.12 ng  
 RT: 7.42 min Scan# 906  
 Delta R.T. -0.01 min  
 Lab File: BF119572.D  
 Acq: 27 Mar 2020 17:33

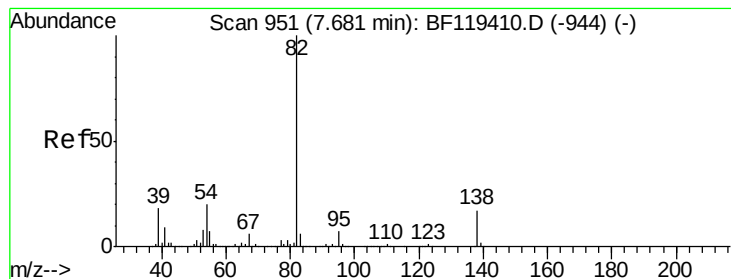
Tgt Ion: 77 Resp: 687769  
 Ion Ratio Lower Upper  
 77 100  
 123 51.0 38.0 57.0  
 65 14.9 12.6 18.8



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: 34.24 ng

RT: 7.65 min Scan# 946

Delta R.T. -0.01 min

Lab File: BF119572.D

Acq: 27 Mar 2020 17:33

Instrument :

BNA\_F

ClientSampleId :

PB127856BS

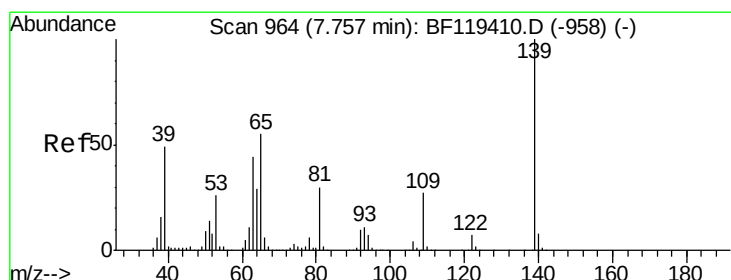
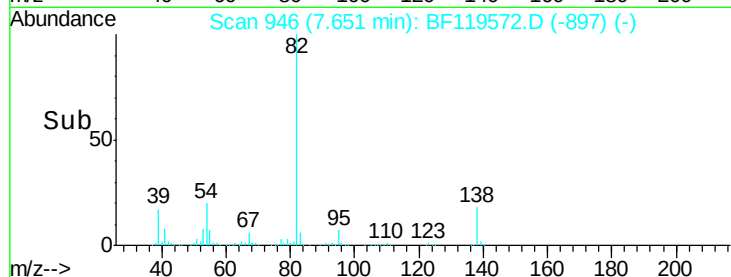
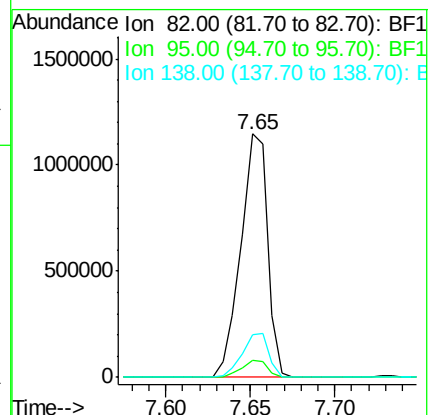
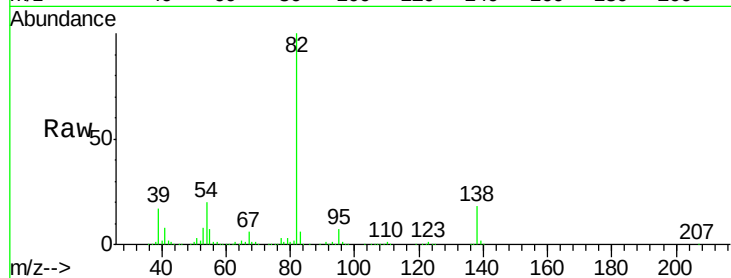
Tgt Ion: 82 Resp: 1272905

Ion Ratio Lower Upper

82 100

95 6.8 5.8 8.6

138 17.5 14.6 21.8



#26

2-Nitrophenol

Concen: 46.15 ng

RT: 7.73 min Scan# 960

Delta R.T. 0.00 min

Lab File: BF119572.D

Acq: 27 Mar 2020 17:33

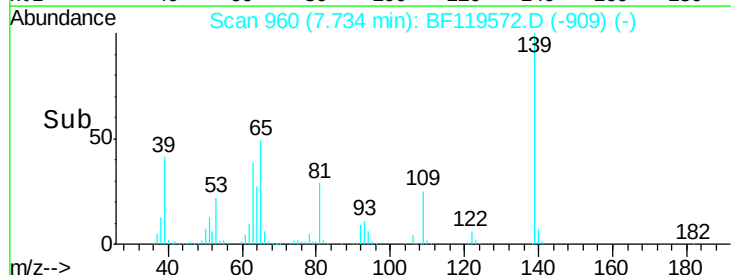
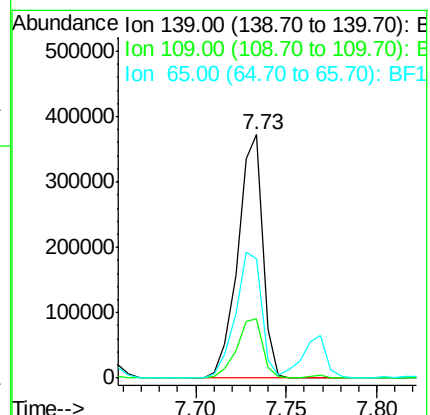
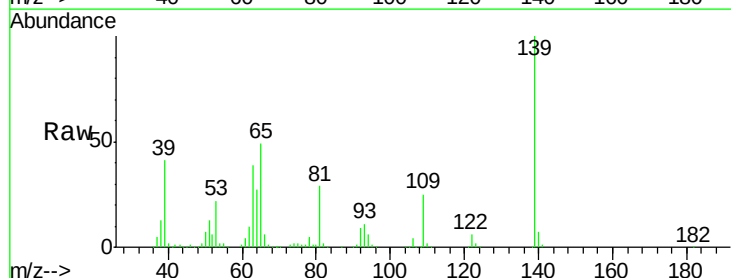
Tgt Ion: 139 Resp: 355858

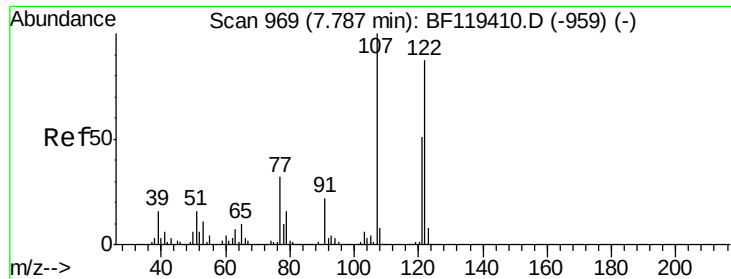
Ion Ratio Lower Upper

139 100

109 24.6 22.1 33.1

65 49.3 49.2 73.8

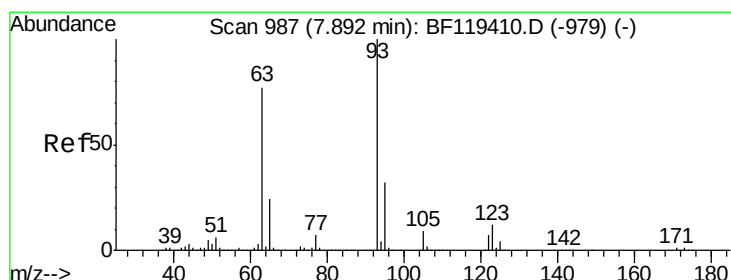
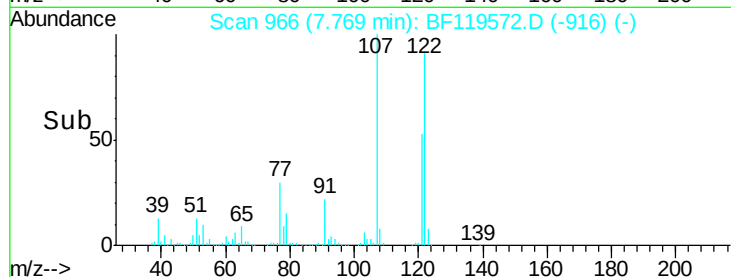
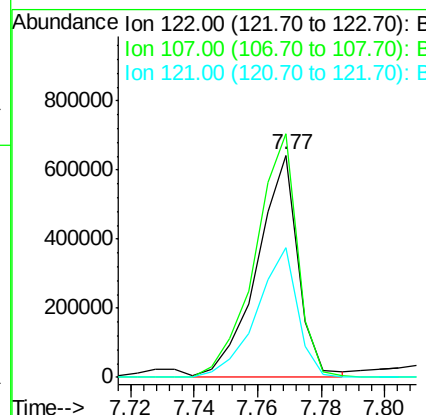
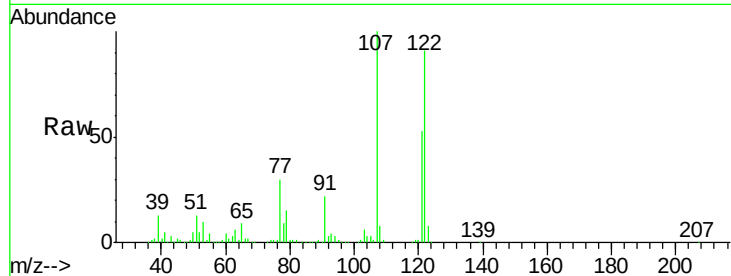




#27  
2,4-Dimethylphenol  
Concen: 36.39 ng  
RT: 7.77 min Scan# 966  
Delta R.T. -0.01 min  
Lab File: BF119572.D  
Acq: 27 Mar 2020 17:33

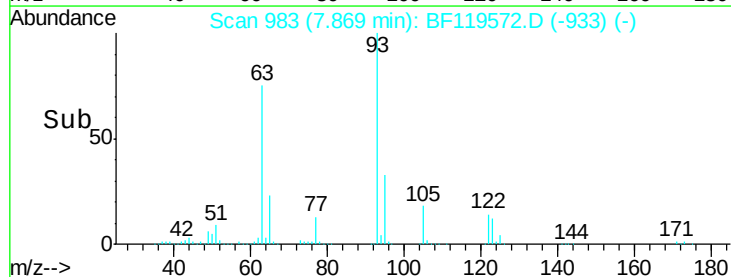
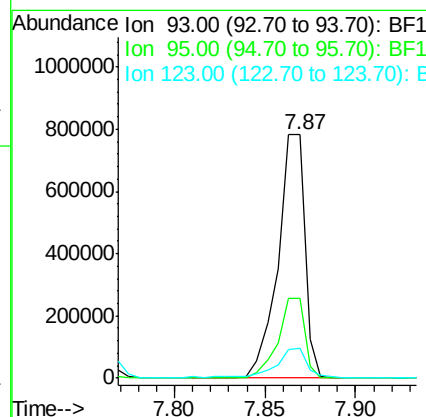
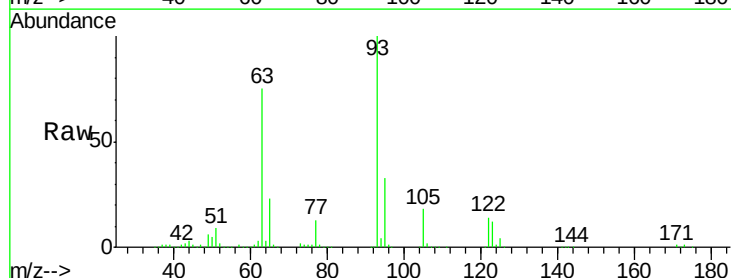
Instrument :  
BNA\_F  
ClientSampleId :  
PB127856BS

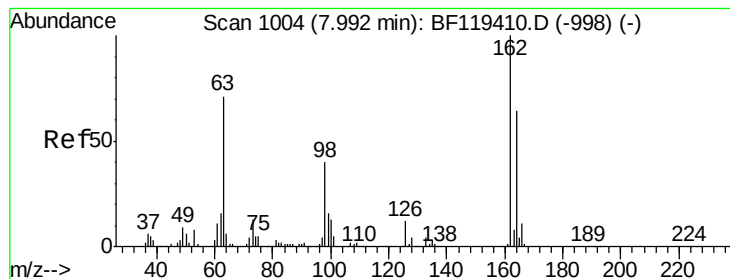
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 109.6 | 89.0  | 133.6 |
| 121     | 58.5  | 46.7  | 70.1  |



#28  
bis(2-Chloroethoxy)methane  
Concen: 36.74 ng  
RT: 7.87 min Scan# 983  
Delta R.T. -0.01 min  
Lab File: BF119572.D  
Acq: 27 Mar 2020 17:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 32.7  | 26.3  | 39.5  |
| 123     | 12.2  | 9.7   | 14.5  |





#29

2,4-Dichlorophenol

Concen: 37.96 ng

RT: 7.97 min Scan# 1000

Delta R.T. -0.01 min

Lab File: BF119572.D

Acq: 27 Mar 2020 17:33

Instrument :

BNA\_F

ClientSampleId :

PB127856BS

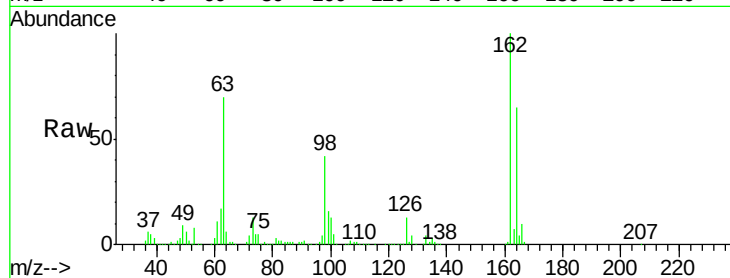
Tgt Ion:162 Resp: 556041

Ion Ratio Lower Upper

162 100

164 64.7 44.7 84.7

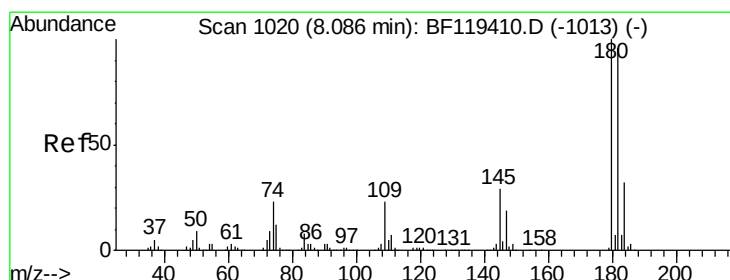
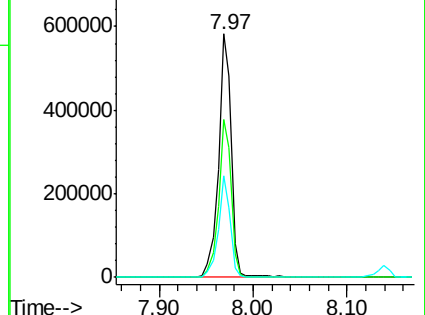
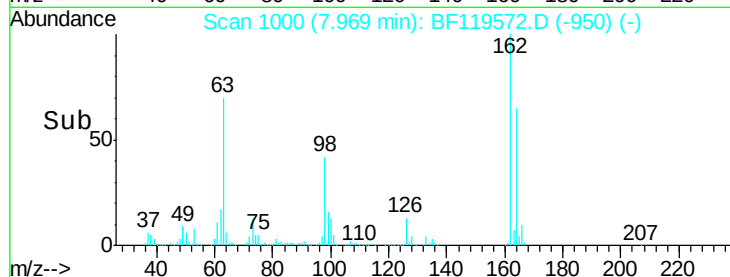
98 41.6 20.7 60.7



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30

1,2,4-Trichlorobenzene

Concen: 35.34 ng

RT: 8.06 min Scan# 1015

Delta R.T. -0.01 min

Lab File: BF119572.D

Acq: 27 Mar 2020 17:33

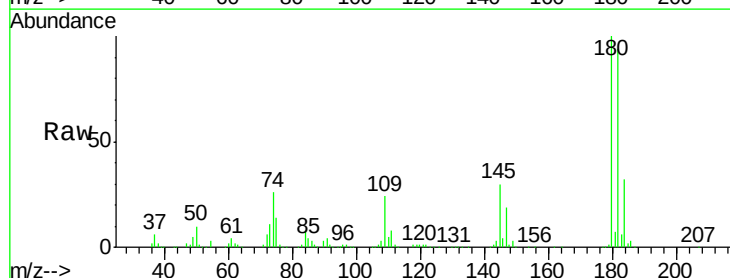
Tgt Ion:180 Resp: 572612

Ion Ratio Lower Upper

180 100

182 94.3 74.7 112.1

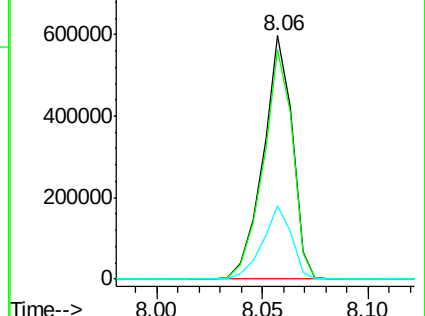
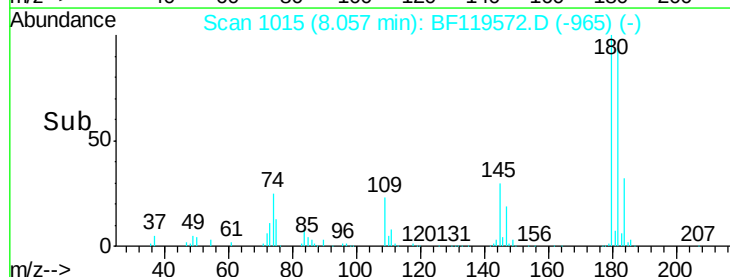
145 30.2 24.5 36.7

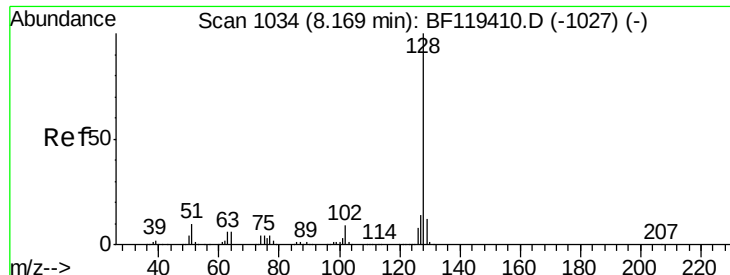


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

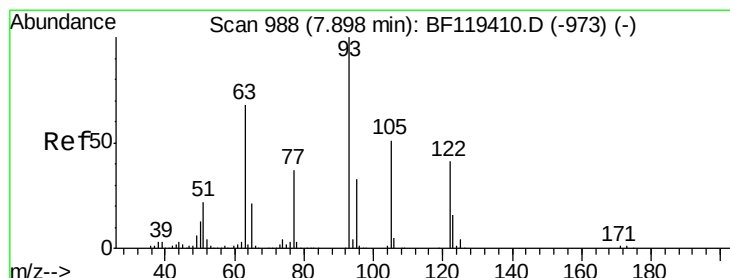
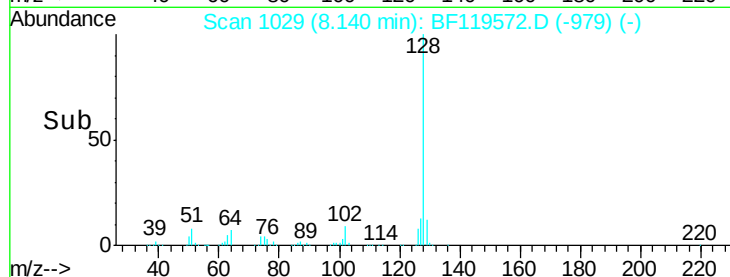
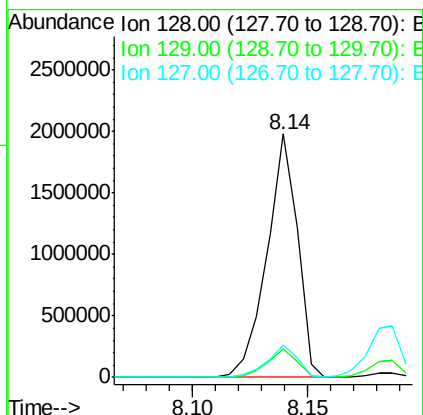
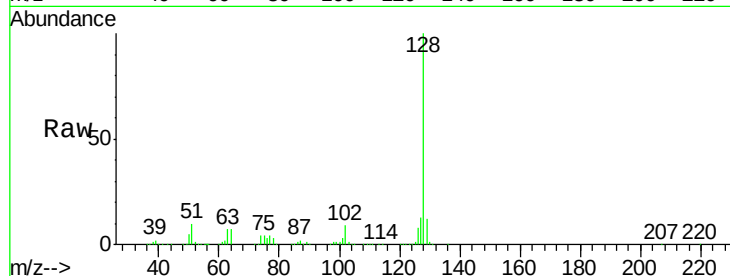




#31  
Naphthalene  
Concen: 35.47 ng  
RT: 8.14 min Scan# 1029  
Delta R.T. -0.01 min  
Lab File: BF119572.D  
Acq: 27 Mar 2020 17:33

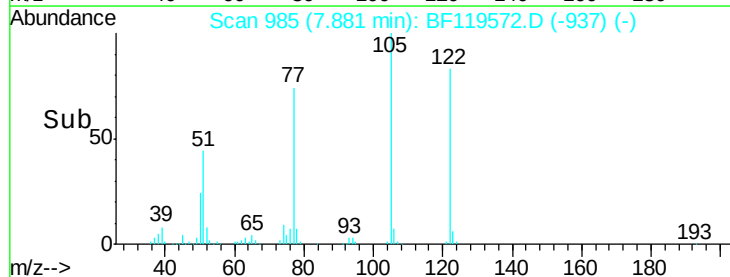
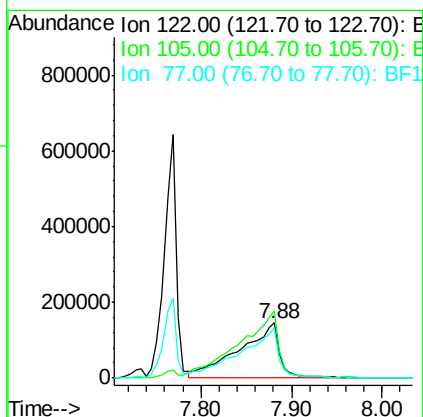
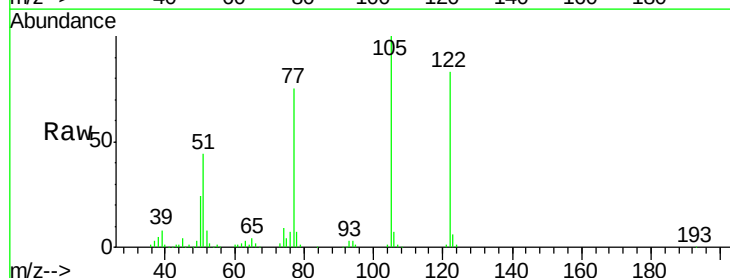
Instrument :  
BNA\_F  
ClientSampleId :  
PB127856BS

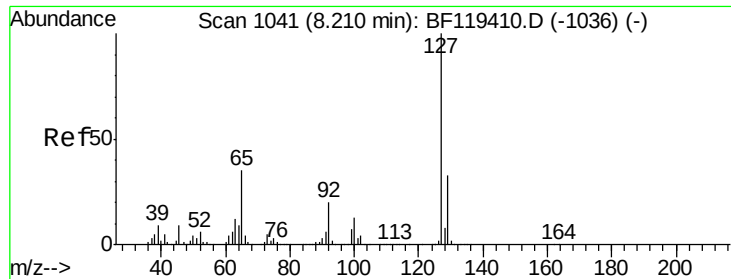
Tgt Ion:128 Resp: 1818037  
Ion Ratio Lower Upper  
128 100  
129 11.6 9.5 14.3  
127 13.4 11.3 16.9



#32  
Benzoic acid  
Concen: 43.03 ng  
RT: 7.88 min Scan# 985  
Delta R.T. -0.02 min  
Lab File: BF119572.D  
Acq: 27 Mar 2020 17:33

Tgt Ion:122 Resp: 441359  
Ion Ratio Lower Upper  
122 100  
105 120.9 104.9 144.9  
77 90.3 74.4 114.4

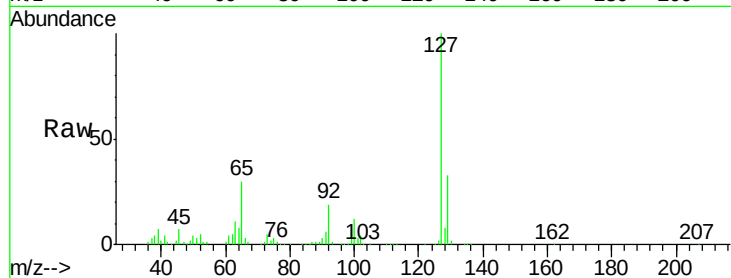




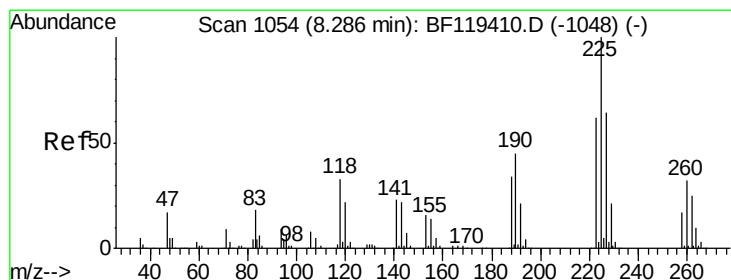
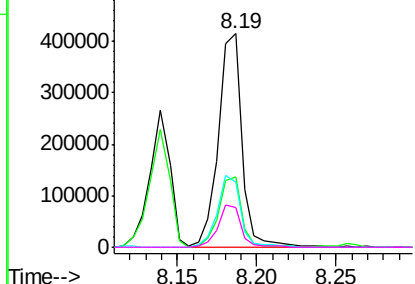
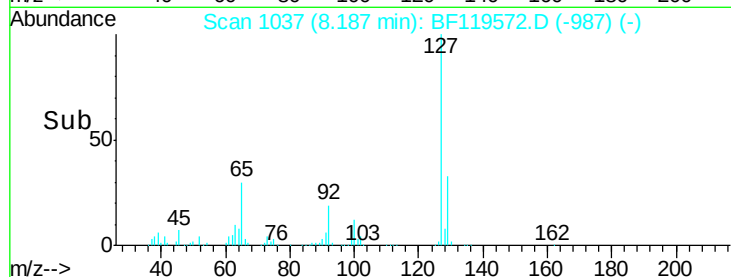
#33  
 4-Chloroaniline  
 Concen: 18.21 ng  
 RT: 8.19 min Scan# 1037  
 Delta R.T. -0.01 min  
 Lab File: BF119572.D  
 Acq: 27 Mar 2020 17:33

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB127856BS

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 127   | Resp: | 427660 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 32.8  | 26.2  | 39.4   |
| 65       | 30.5  | 27.4  | 41.0   |
| 92       | 18.6  | 15.3  | 22.9   |

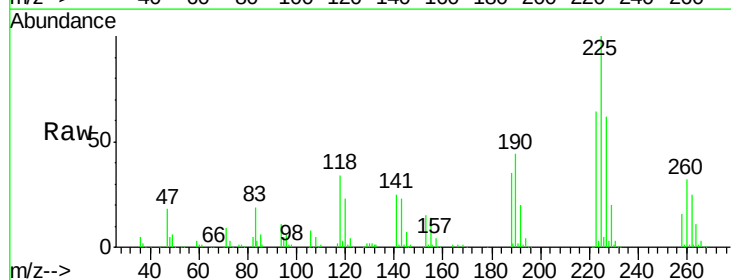


Abundance Ion 127.00 (126.70 to 127.70): E  
 Ion 129.00 (128.70 to 129.70): E  
 Ion 65.00 (64.70 to 65.70): BF1  
 Ion 92.00 (91.70 to 92.70): BF1

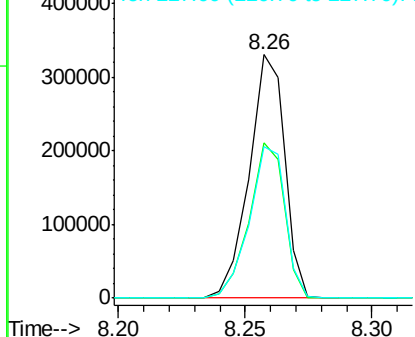
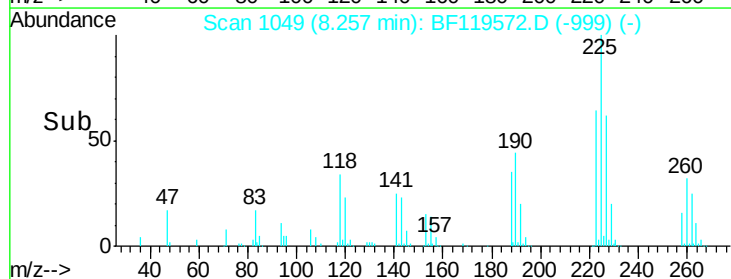


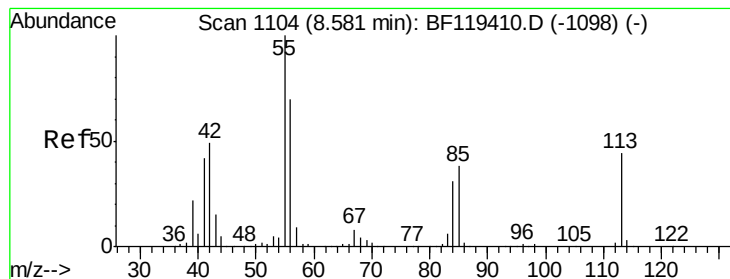
#34  
 Hexachlorobutadiene  
 Concen: 35.79 ng  
 RT: 8.26 min Scan# 1049  
 Delta R.T. -0.01 min  
 Lab File: BF119572.D  
 Acq: 27 Mar 2020 17:33

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 324415 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 64.0  | 51.0  | 76.6   |
| 227      | 62.4  | 50.7  | 76.1   |



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: 23.76 ng

RT: 8.55 min Scan# 1099

Delta R.T. -0.02 min

Lab File: BF119572.D

Acq: 27 Mar 2020 17:33

Instrument :

BNA\_F

ClientSampleId :

PB127856BS

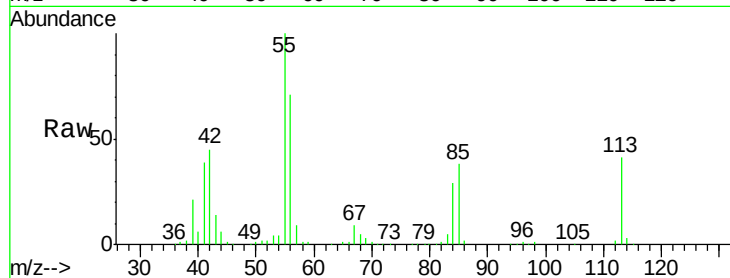
Tgt Ion:113 Resp: 113943

Ion Ratio Lower Upper

113 100

55 242.4 218.4 258.4

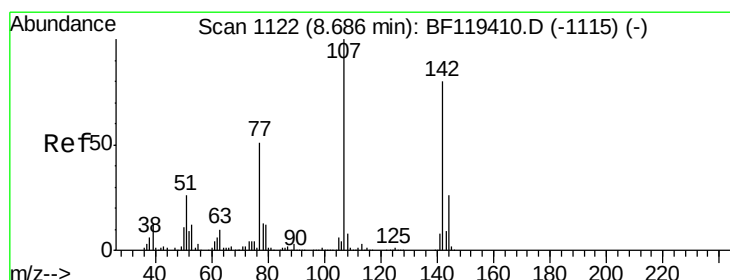
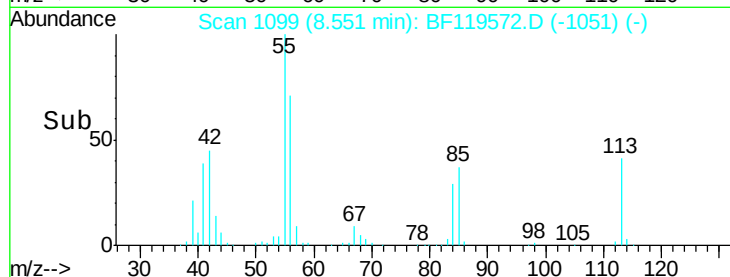
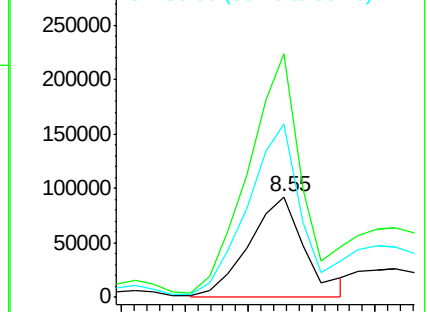
56 172.3 148.9 188.9



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#36

4-Chloro-3-methylphenol

Concen: 38.34 ng

RT: 8.67 min Scan# 1119

Delta R.T. -0.01 min

Lab File: BF119572.D

Acq: 27 Mar 2020 17:33

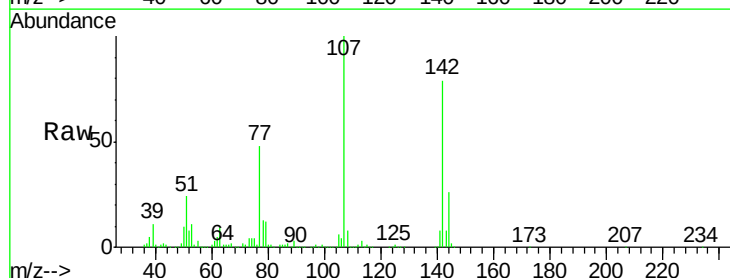
Tgt Ion:107 Resp: 613937

Ion Ratio Lower Upper

107 100

144 26.3 21.0 31.6

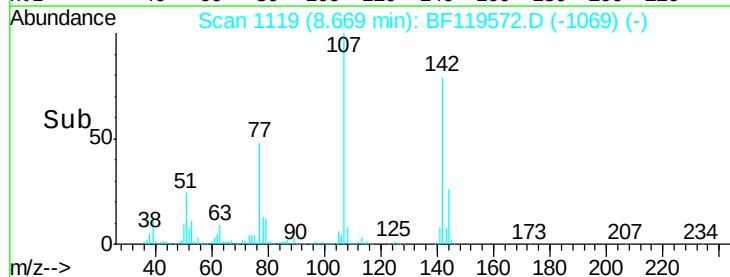
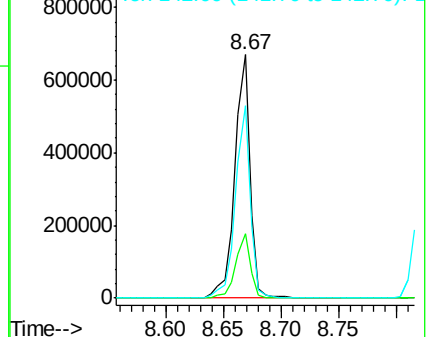
142 79.2 64.4 96.6

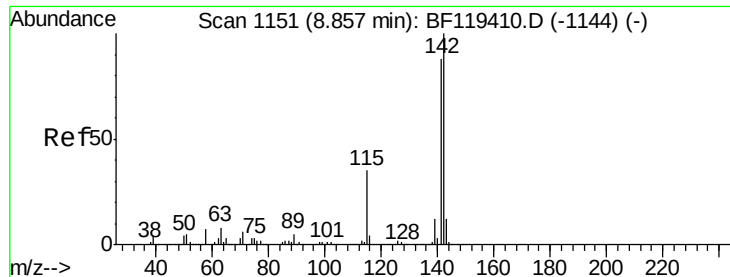


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

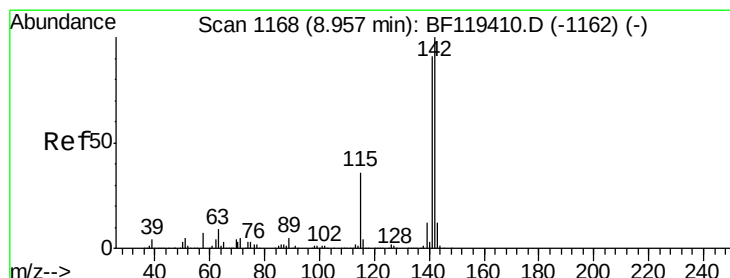
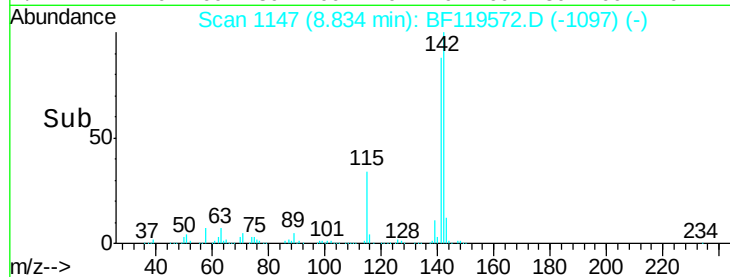
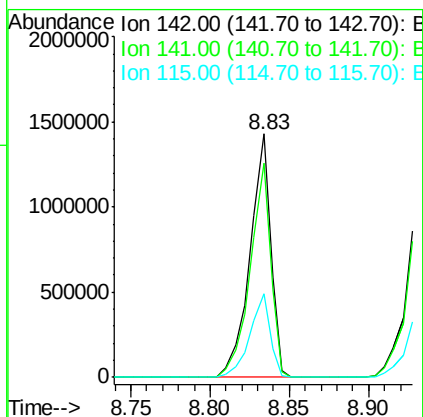
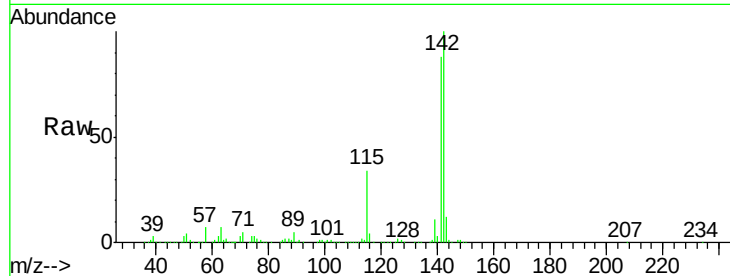




#37  
 2-Methylnaphthalene  
 Concen: 38.66 ng  
 RT: 8.83 min Scan# 1147  
 Delta R.T. -0.01 min  
 Lab File: BF119572.D  
 Acq: 27 Mar 2020 17:33

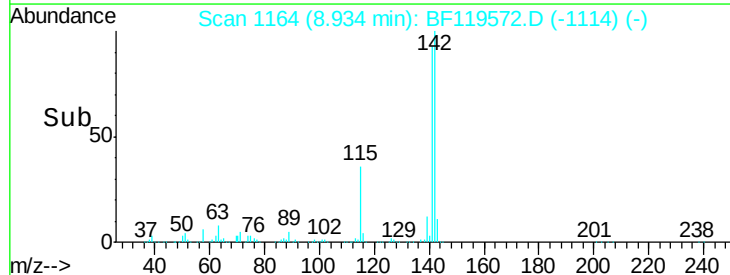
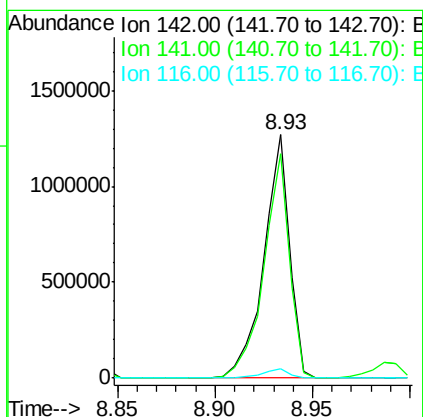
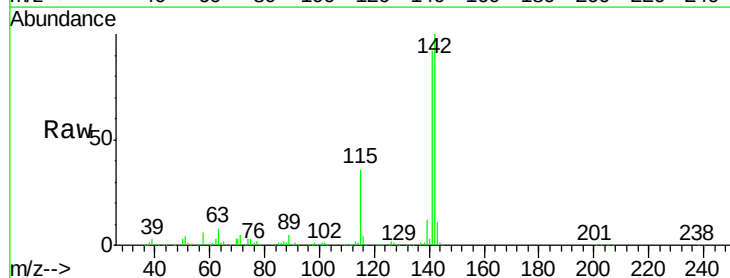
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB127856BS

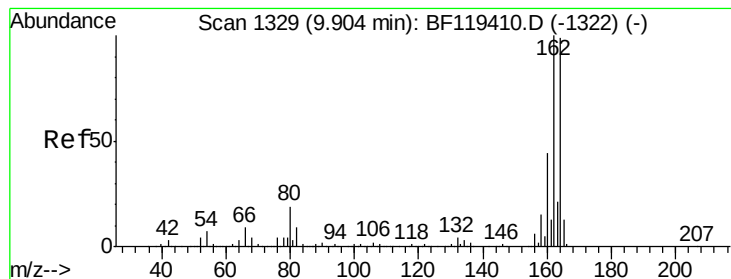
Tgt Ion:142 Resp: 1300517  
 Ion Ratio Lower Upper  
 142 100  
 141 88.1 71.7 107.5  
 115 34.2 27.9 41.9



#38  
 1-Methylnaphthalene  
 Concen: 36.32 ng  
 RT: 8.93 min Scan# 1164  
 Delta R.T. -0.01 min  
 Lab File: BF119572.D  
 Acq: 27 Mar 2020 17:33

Tgt Ion:142 Resp: 1156419  
 Ion Ratio Lower Upper  
 142 100  
 141 92.2 73.7 110.5  
 116 3.7 3.0 4.6





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF119572.D

Acq: 27 Mar 2020 17:33

Instrument :

BNA\_F

ClientSampleId :

PB127856BS

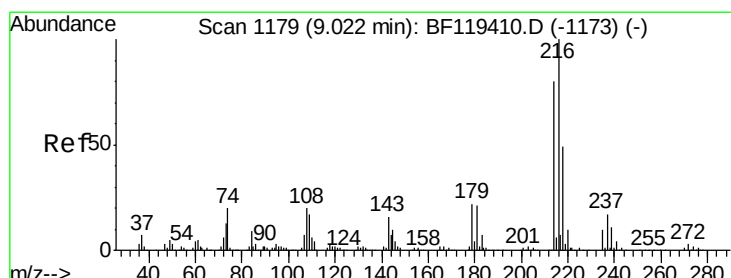
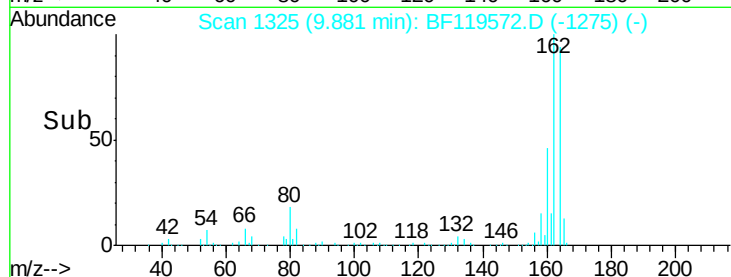
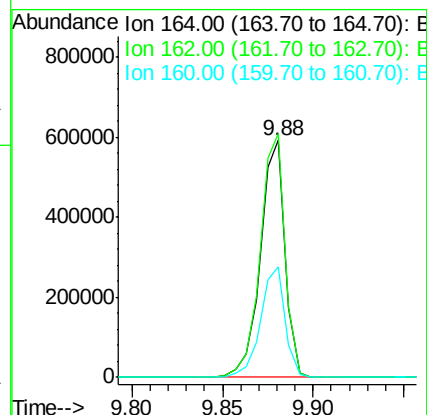
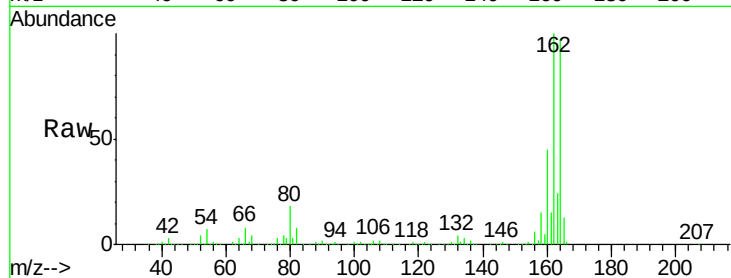
Tgt Ion:164 Resp: 557103

Ion Ratio Lower Upper

164 100

162 102.7 80.6 121.0

160 46.7 35.7 53.5



#40

1,2,4,5-Tetrachlorobenzene

Concen: 34.59 ng

RT: 9.00 min Scan# 1175

Delta R.T. -0.01 min

Lab File: BF119572.D

Acq: 27 Mar 2020 17:33

Tgt Ion:216 Resp: 564879

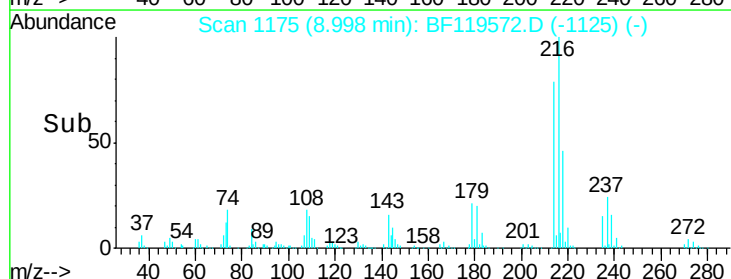
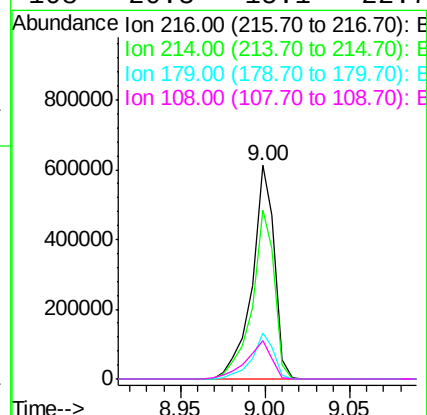
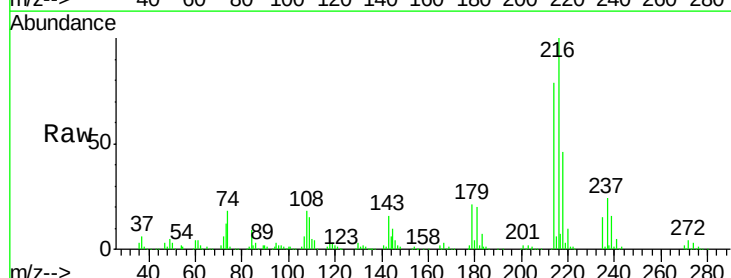
Ion Ratio Lower Upper

216 100

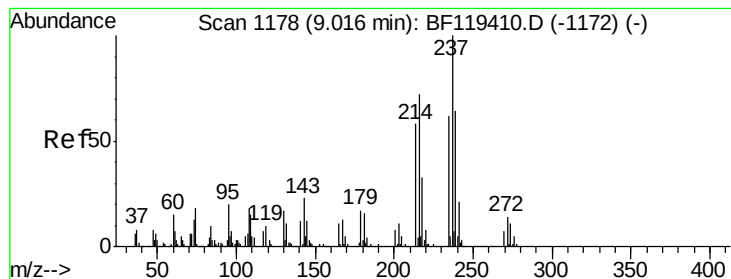
214 79.3 63.2 94.8

179 20.9 17.1 25.7

108 20.3 15.1 22.7







#41

Hexachlorocyclopentadiene

Concen: 72.56 ng

RT: 8.99 min Scan# 1174

Delta R.T. 0.00 min

Lab File: BF119572.D

Acq: 27 Mar 2020 17:33

Instrument :

BNA\_F

ClientSampleId :

PB127856BS

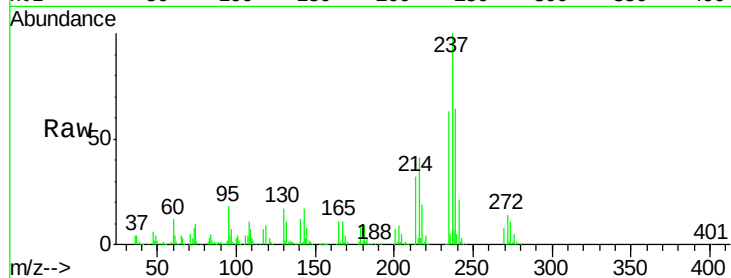
Tgt Ion:237 Resp: 673617

Ion Ratio Lower Upper

237 100

235 63.3 43.2 83.2

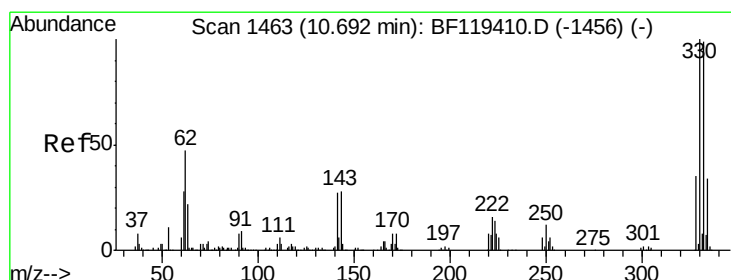
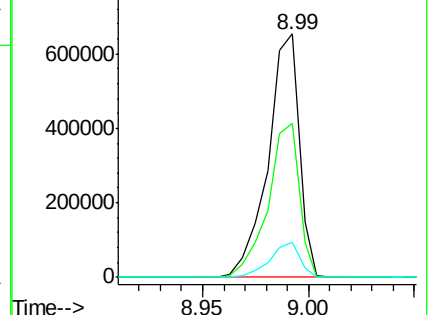
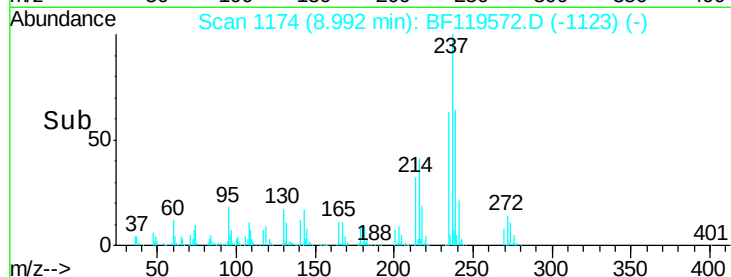
272 14.2 0.0 34.1



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: 105.86 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF119572.D

Acq: 27 Mar 2020 17:33

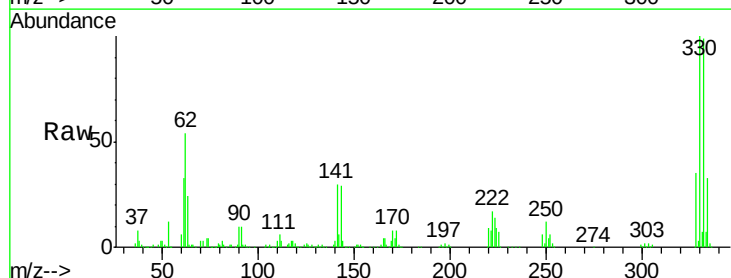
Tgt Ion:330 Resp: 608418

Ion Ratio Lower Upper

330 100

332 96.1 75.7 113.5

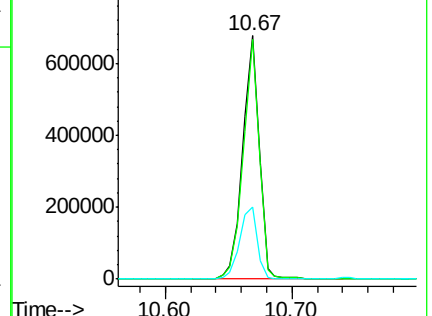
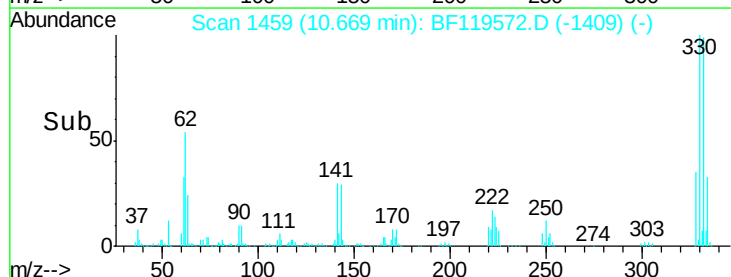
141 31.8 25.4 38.0

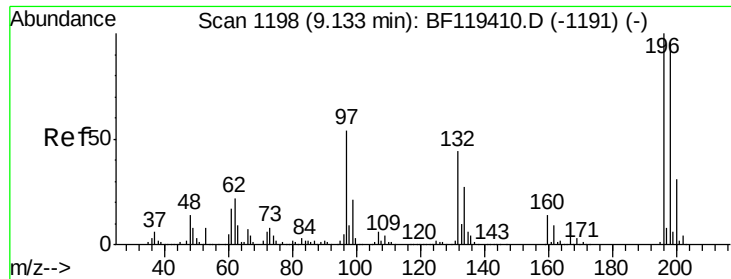


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

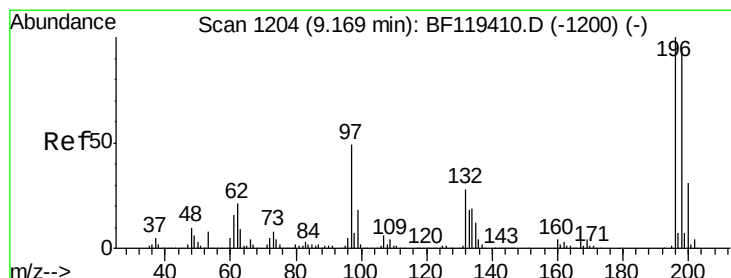
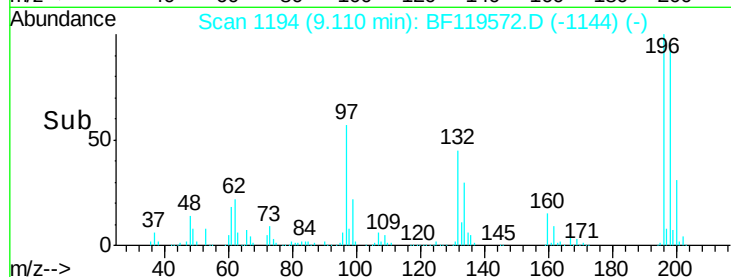
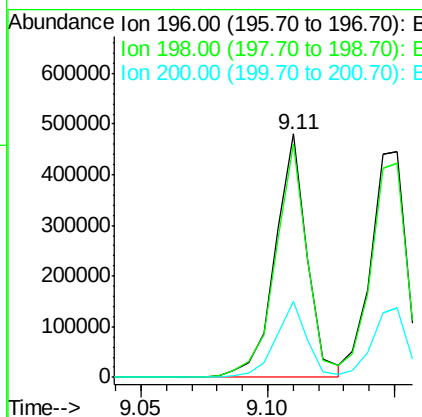
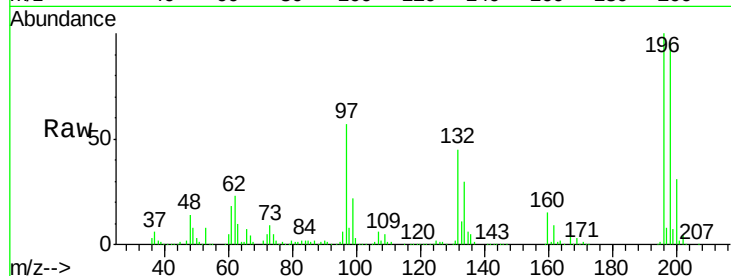




#43  
 2,4,6-Trichlorophenol  
 Concen: 36.17 ng  
 RT: 9.11 min Scan# 1194  
 Delta R.T. -0.01 min  
 Lab File: BF119572.D  
 Acq: 27 Mar 2020 17:33

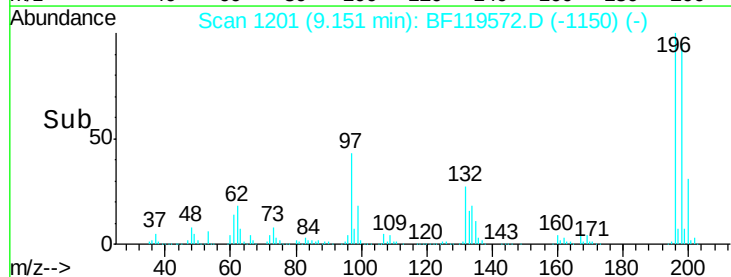
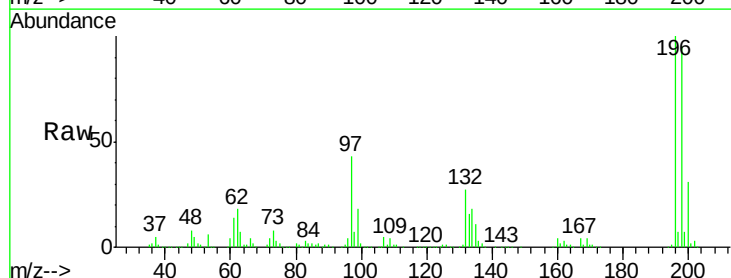
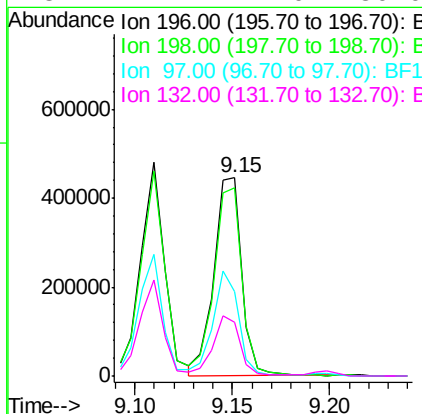
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB127856BS

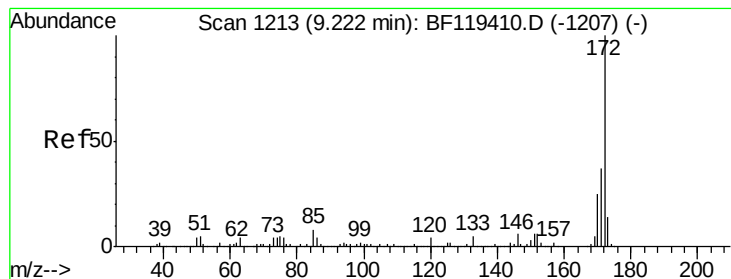
Tgt Ion:196 Resp: 422683  
 Ion Ratio Lower Upper  
 196 100  
 198 96.1 76.6 115.0  
 200 31.4 24.6 36.8



#44  
 2,4,5-Trichlorophenol  
 Concen: 33.66 ng  
 RT: 9.15 min Scan# 1201  
 Delta R.T. 0.00 min  
 Lab File: BF119572.D  
 Acq: 27 Mar 2020 17:33

Tgt Ion:196 Resp: 440672  
 Ion Ratio Lower Upper  
 196 100  
 198 95.1 73.8 110.8  
 97 42.6 42.6 63.8  
 132 27.2 24.0 36.0





#45

2-Fluorobiphenyl

Concen: 66.39 ng

RT: 9.20 min Scan# 1209

Delta R.T. -0.01 min

Lab File: BF119572.D

Acq: 27 Mar 2020 17:33

Instrument :

BNA\_F

ClientSampleId :

PB127856BS

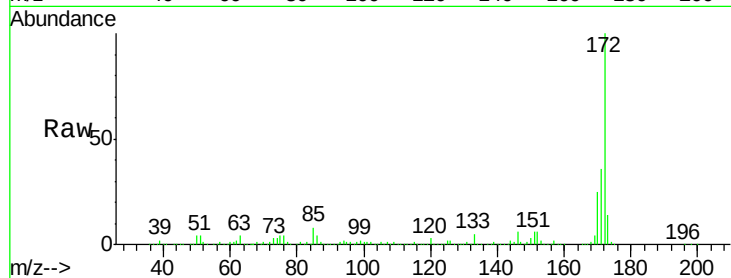
Tgt Ion:172 Resp: 2496682

Ion Ratio Lower Upper

172 100

171 36.4 29.6 44.4

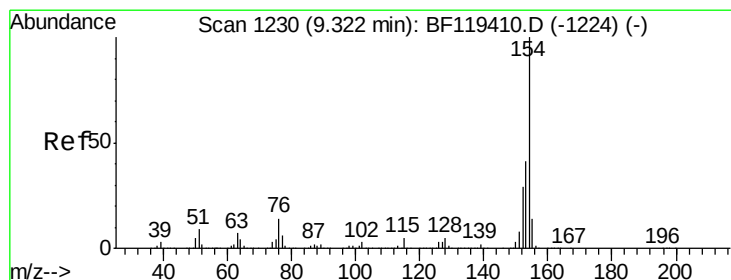
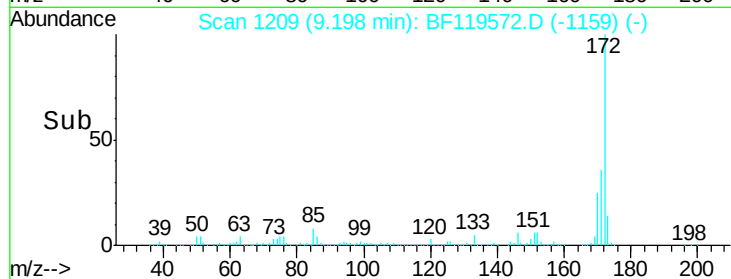
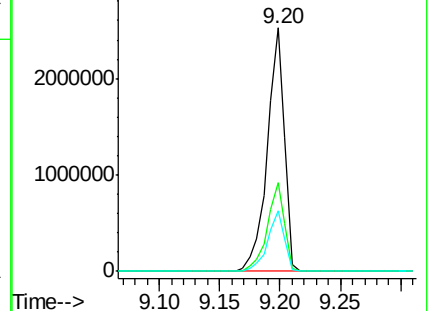
170 25.0 20.2 30.2



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: 34.93 ng

RT: 9.30 min Scan# 1226

Delta R.T. -0.01 min

Lab File: BF119572.D

Acq: 27 Mar 2020 17:33

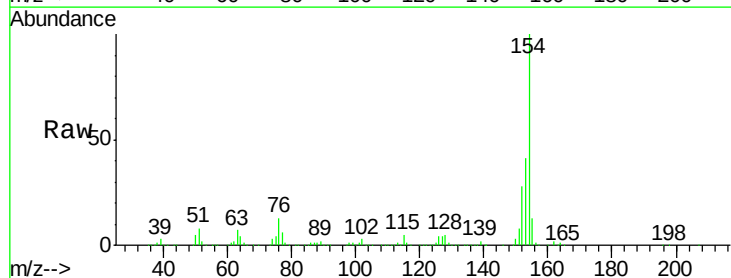
Tgt Ion:154 Resp: 1584835

Ion Ratio Lower Upper

154 100

153 40.7 21.4 61.4

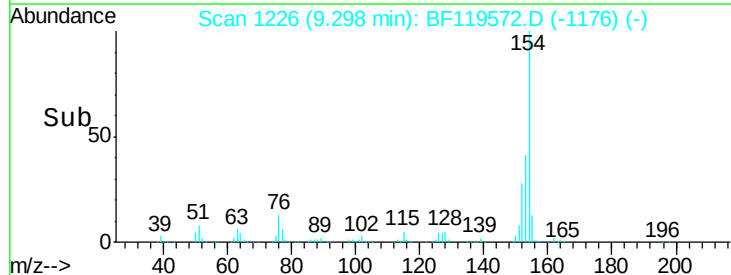
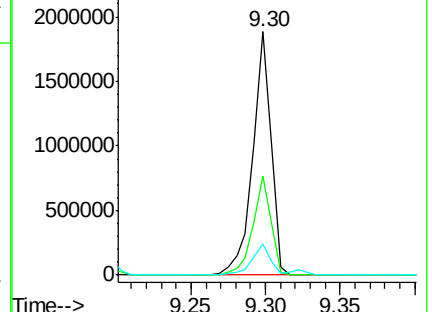
76 13.0 0.0 33.0

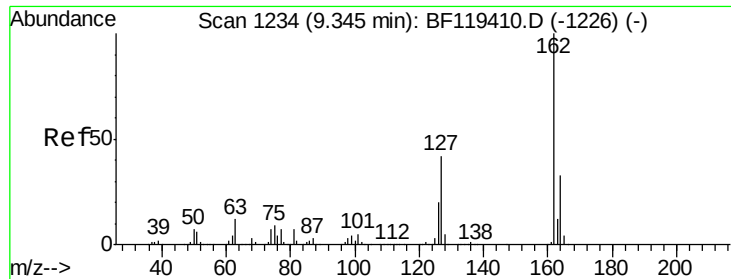


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1

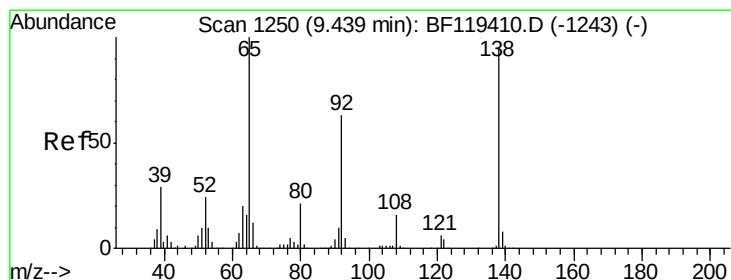
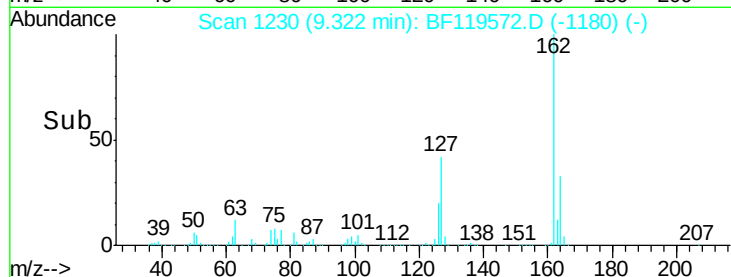
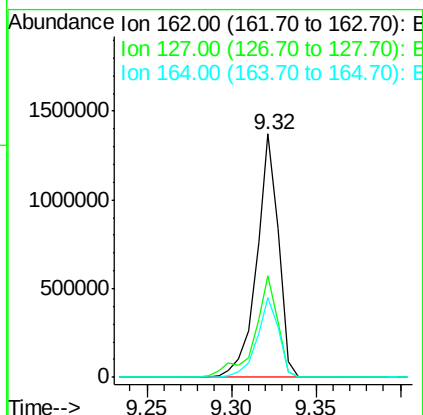
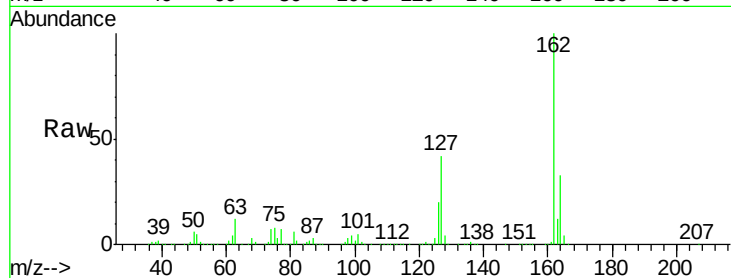




#47  
 2-Chloronaphthalene  
 Concen: 34.58 ng  
 RT: 9.32 min Scan# 1230  
 Delta R.T. -0.01 min  
 Lab File: BF119572.D  
 Acq: 27 Mar 2020 17:33

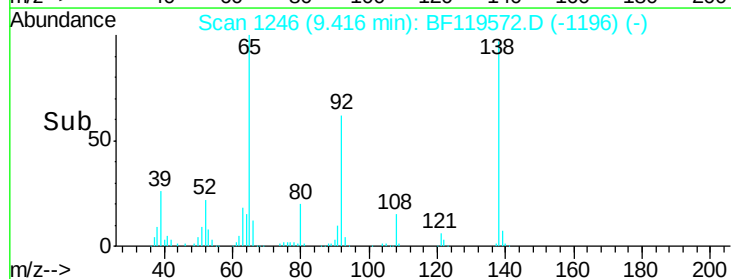
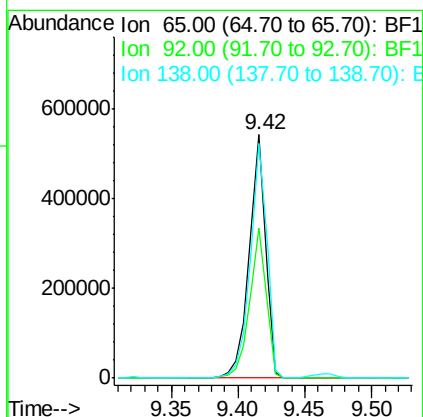
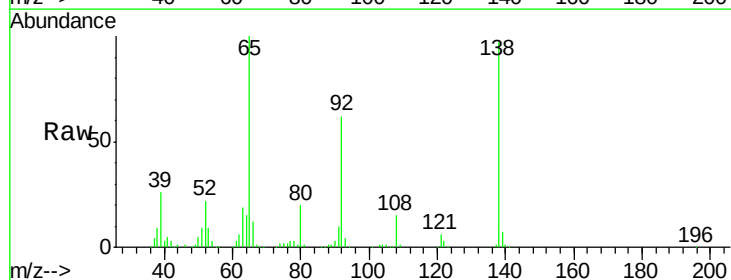
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB127856BS

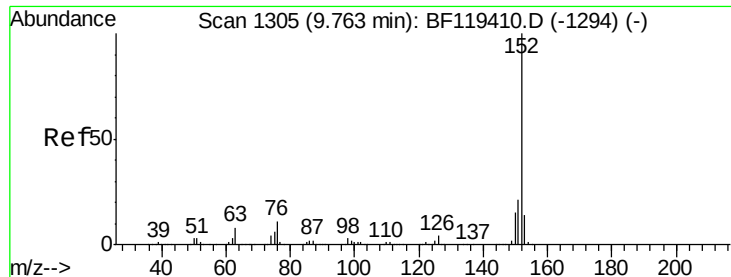
Tgt Ion: 162 Resp: 1229073  
 Ion Ratio Lower Upper  
 162 100  
 127 41.5 33.7 50.5  
 164 33.0 26.3 39.5



#48  
 2-Nitroaniline  
 Concen: 37.45 ng  
 RT: 9.42 min Scan# 1246  
 Delta R.T. -0.01 min  
 Lab File: BF119572.D  
 Acq: 27 Mar 2020 17:33

Tgt Ion: 65 Resp: 459425  
 Ion Ratio Lower Upper  
 65 100  
 92 61.8 50.0 75.0  
 138 96.6 75.0 112.4





#49

Acenaphthylene

Concen: 34.87 ng

RT: 9.74 min Scan# 1301

Delta R.T. -0.01 min

Lab File: BF119572.D

Acq: 27 Mar 2020 17:33

Instrument :

BNA\_F

ClientSampleId :

PB127856BS

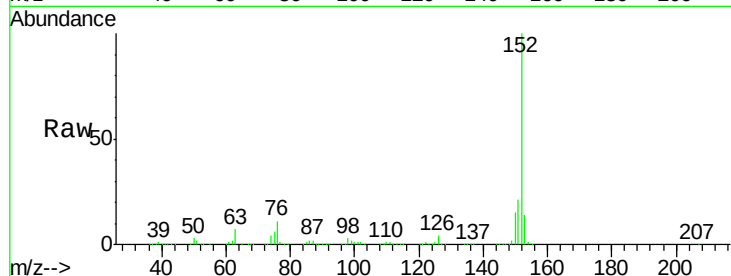
Tgt Ion:152 Resp: 1946258

Ion Ratio Lower Upper

152 100

151 21.0 17.2 25.8

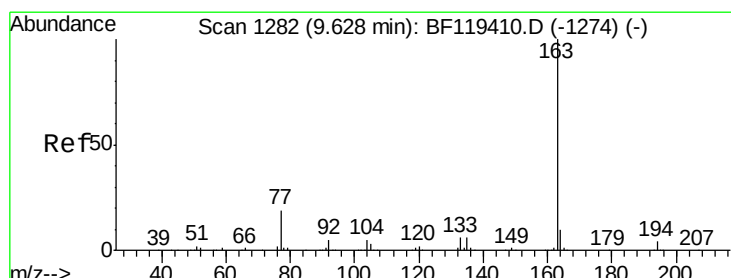
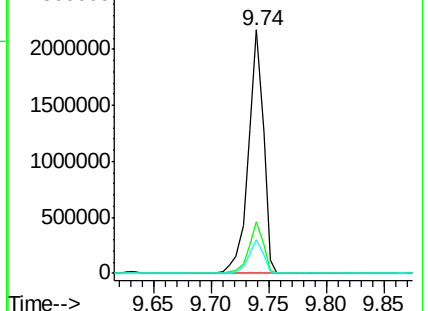
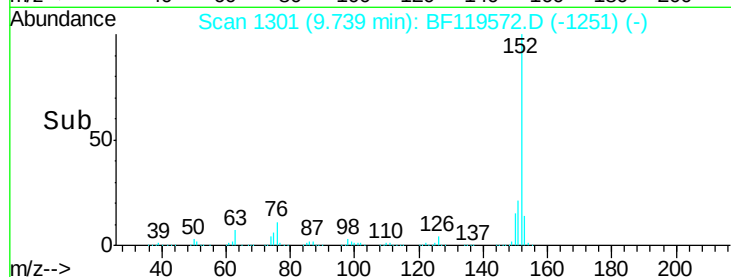
153 13.8 11.2 16.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 35.27 ng

RT: 9.60 min Scan# 1277

Delta R.T. -0.01 min

Lab File: BF119572.D

Acq: 27 Mar 2020 17:33

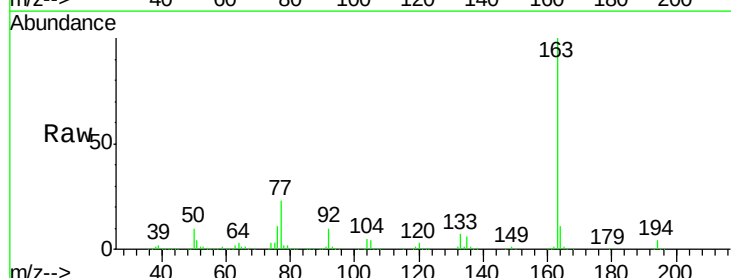
Tgt Ion:163 Resp: 1395617

Ion Ratio Lower Upper

163 100

194 3.8 3.1 4.7

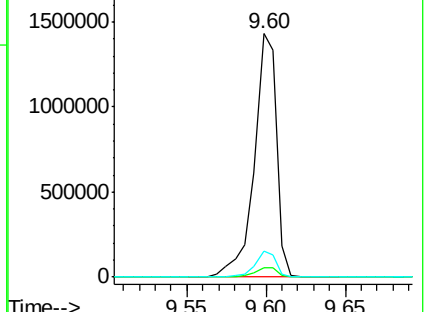
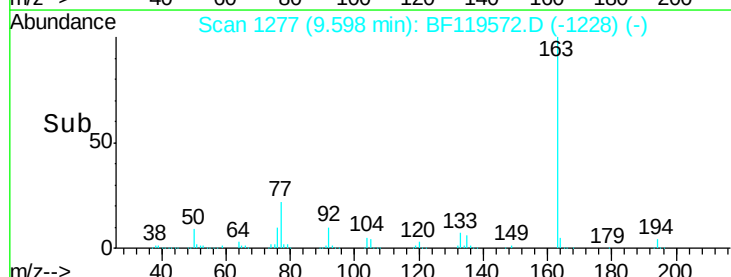
164 10.8 8.2 12.2

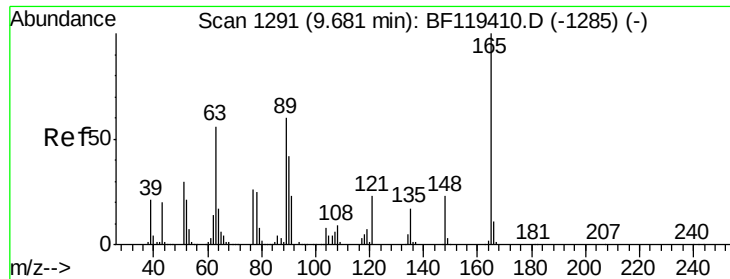


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

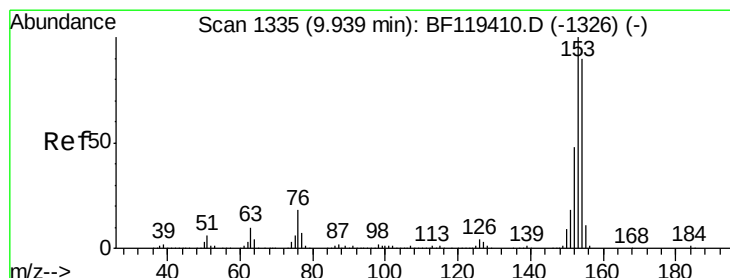
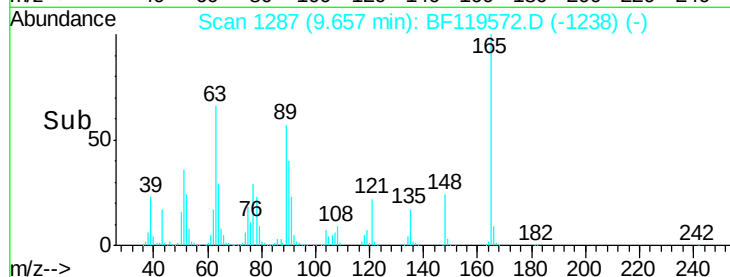
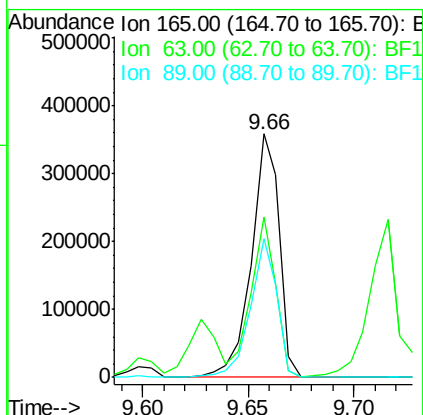
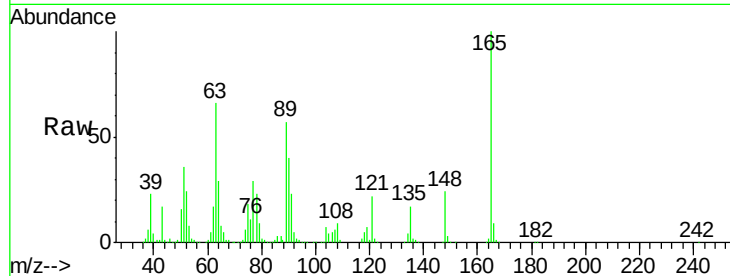




#51  
2,6-Dinitrotoluene  
Concen: 38.78 ng  
RT: 9.66 min Scan# 1287  
Delta R.T. -0.01 min  
Lab File: BF119572.D  
Acq: 27 Mar 2020 17:33

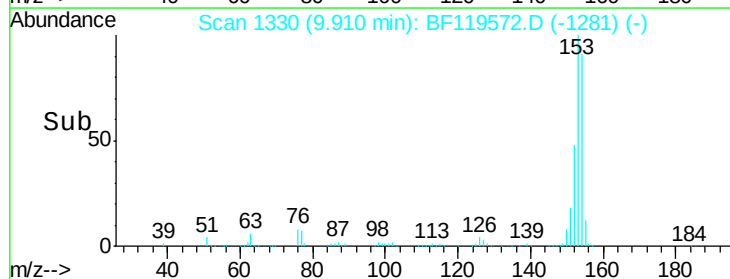
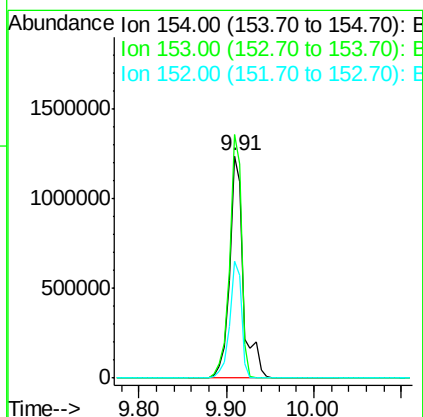
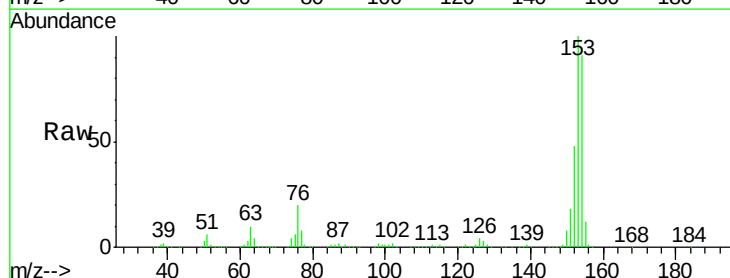
Instrument :  
BNA\_F  
ClientSampleId :  
PB127856BS

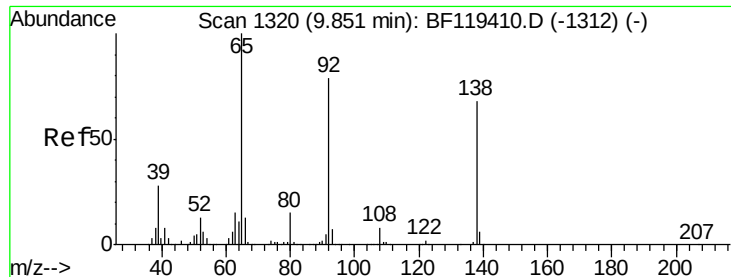
Tgt Ion:165 Resp: 328908  
Ion Ratio Lower Upper  
165 100  
63 66.0 45.0 67.4  
89 57.0 41.5 62.3



#52  
Acenaphthene  
Concen: 38.42 ng  
RT: 9.91 min Scan# 1330  
Delta R.T. -0.01 min  
Lab File: BF119572.D  
Acq: 27 Mar 2020 17:33

Tgt Ion:154 Resp: 1336937  
Ion Ratio Lower Upper  
154 100  
153 109.7 88.1 132.1  
152 52.8 43.0 64.4

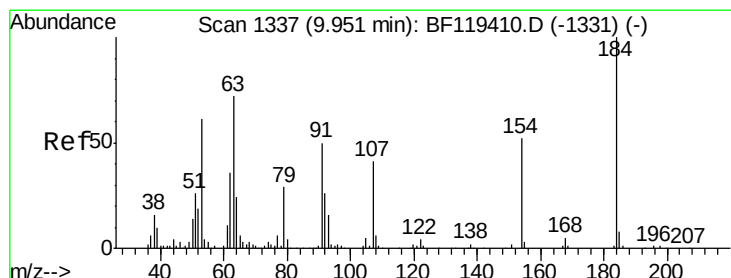
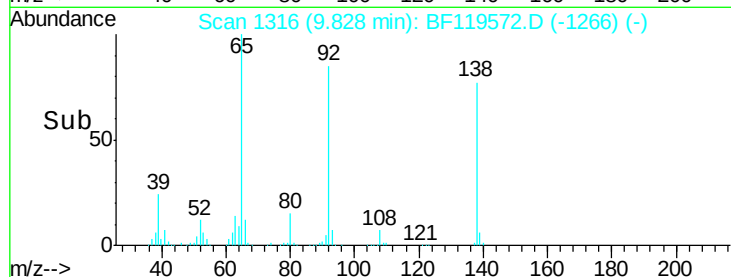
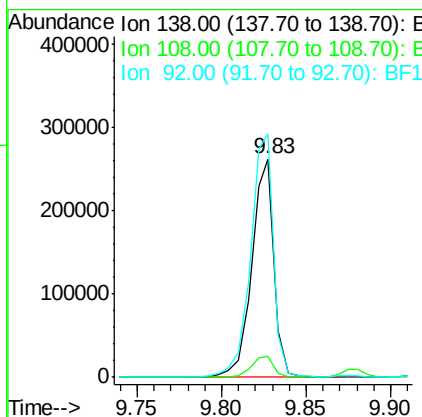
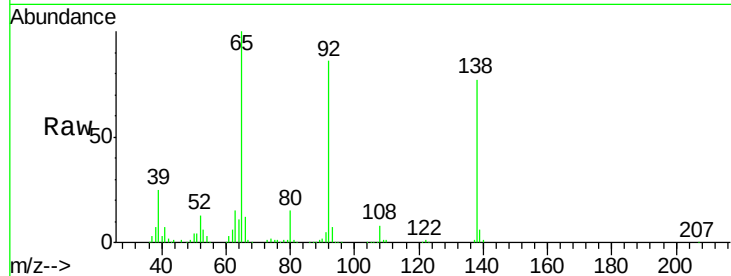




#53  
3-Nitroaniline  
Concen: 22.54 ng  
RT: 9.83 min Scan# 1316  
Delta R.T. -0.01 min  
Lab File: BF119572.D  
Acq: 27 Mar 2020 17:33

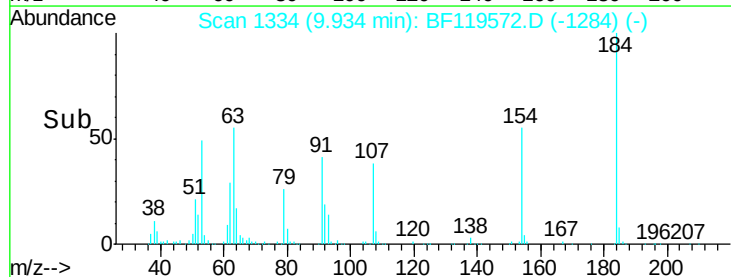
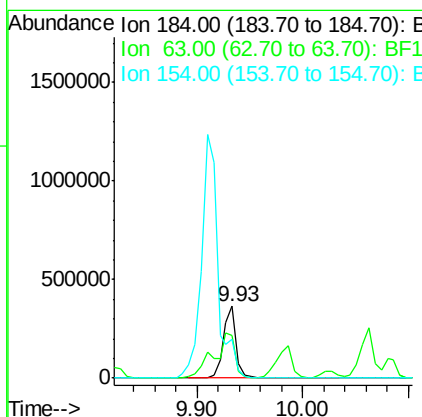
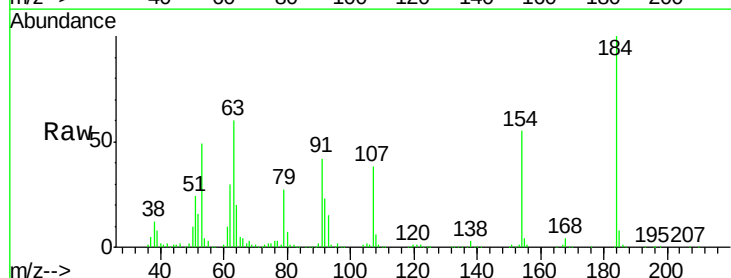
Instrument :  
BNA\_F  
ClientSampleId :  
PB127856BS

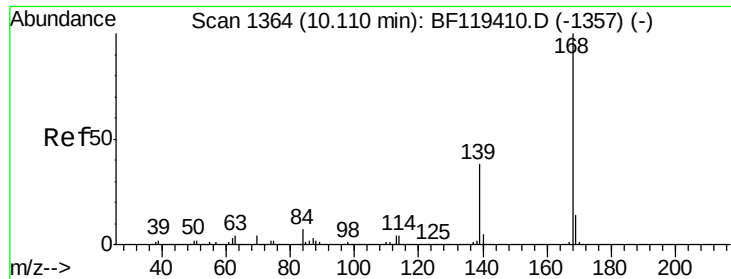
Tgt Ion:138 Resp: 241385  
Ion Ratio Lower Upper  
138 100  
108 9.8 8.6 13.0  
92 111.6 95.4 143.0



#54  
2,4-Dinitrophenol  
Concen: 82.96 ng  
RT: 9.93 min Scan# 1334  
Delta R.T. -0.01 min  
Lab File: BF119572.D  
Acq: 27 Mar 2020 17:33

Tgt Ion:184 Resp: 305546  
Ion Ratio Lower Upper  
184 100  
63 60.2 50.2 75.4  
154 54.7 44.5 66.7

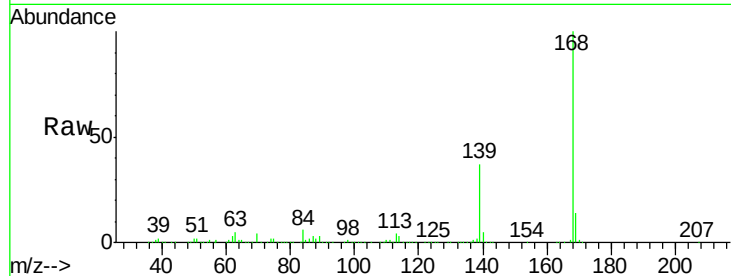




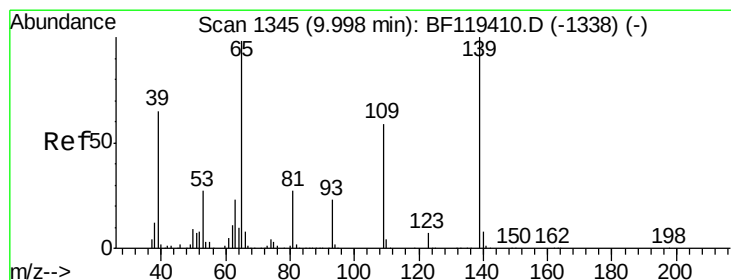
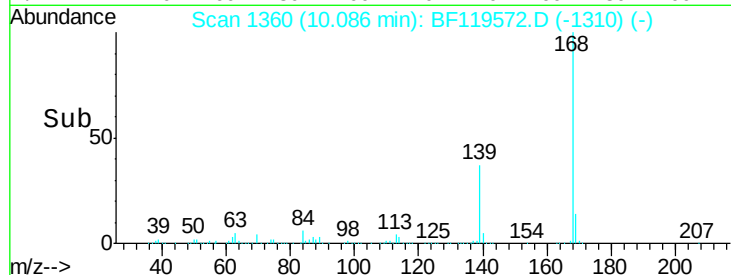
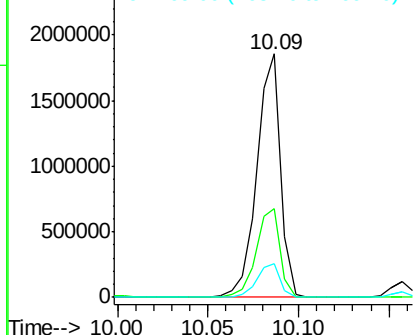
#55  
Dibenzofuran  
Concen: 33.73 ng  
RT: 10.09 min Scan# 1360  
Delta R.T. -0.01 min  
Lab File: BF119572.D  
Acq: 27 Mar 2020 17:33

Instrument :  
BNA\_F  
ClientSampleId :  
PB127856BS

Tgt Ion:168 Resp: 1682683  
Ion Ratio Lower Upper  
168 100  
139 36.7 30.1 45.1  
169 13.6 11.0 16.6

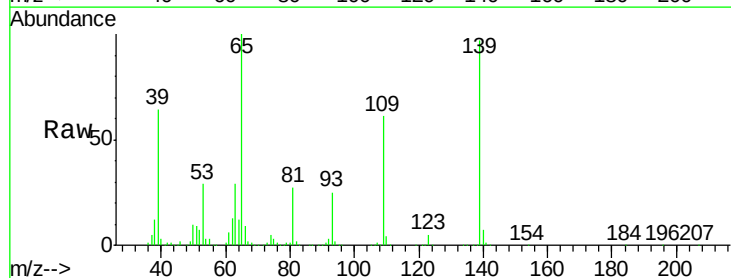


Abundance Ion 168.00 (167.70 to 168.70): E  
2500000  
Ion 139.00 (138.70 to 139.70): E  
Ion 169.00 (168.70 to 169.70): E

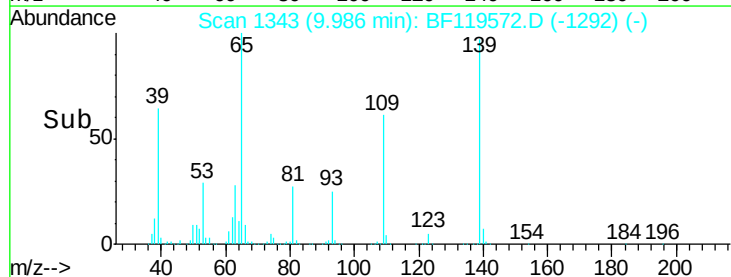
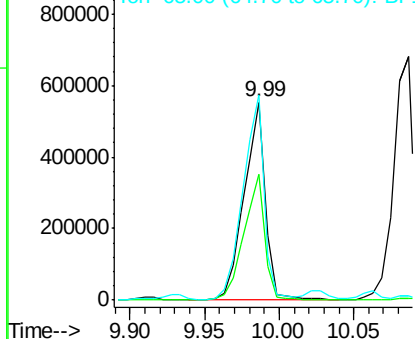


#56  
4-Nitrophenol  
Concen: 64.35 ng  
RT: 9.99 min Scan# 1343  
Delta R.T. 0.00 min  
Lab File: BF119572.D  
Acq: 27 Mar 2020 17:33

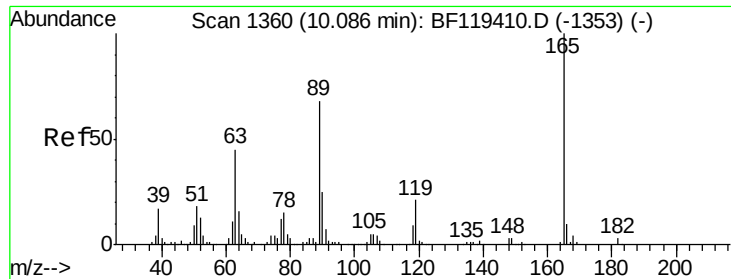
Tgt Ion:139 Resp: 543561  
Ion Ratio Lower Upper  
139 100  
109 63.4 43.3 83.3  
65 103.5 91.0 131.0



Abundance Ion 139.00 (138.70 to 139.70): E  
800000  
Ion 109.00 (108.70 to 109.70): E  
Ion 65.00 (64.70 to 65.70): BF1



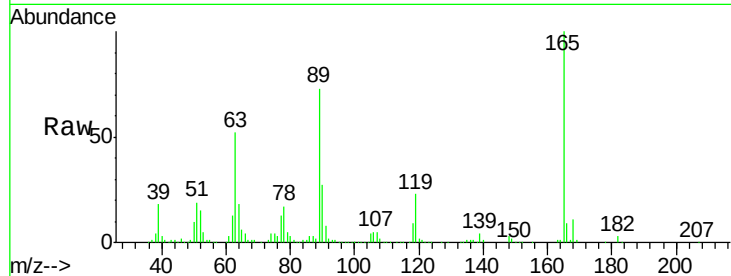




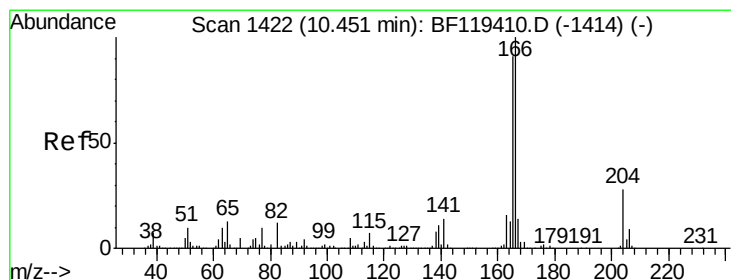
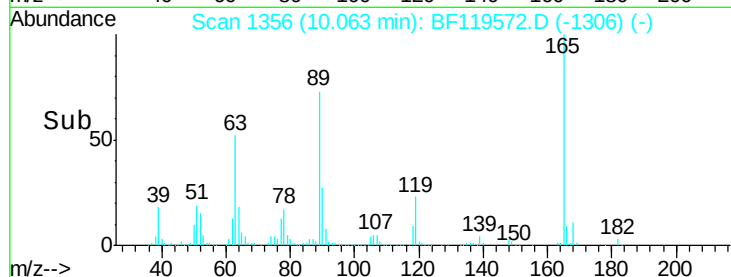
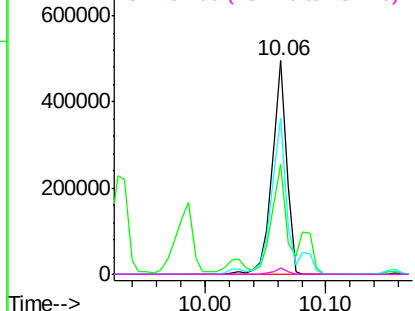
#57  
2,4-Dinitrotoluene  
Concen: 38.57 ng  
RT: 10.06 min Scan# 1356  
Delta R.T. -0.01 min  
Lab File: BF119572.D  
Acq: 27 Mar 2020 17:33

Instrument :  
BNA\_F  
ClientSampleId :  
PB127856BS

Tgt Ion:165 Resp: 412127  
Ion Ratio Lower Upper  
165 100  
63 51.8 42.6 64.0  
89 73.3 61.0 91.4  
182 2.8 2.2 3.2

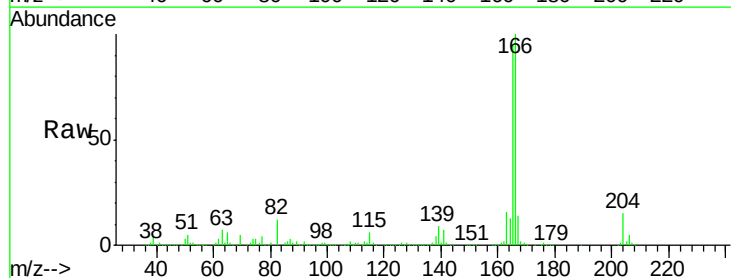


Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 89.00 (88.70 to 89.70): BF1  
Ion 182.00 (181.70 to 182.70): E

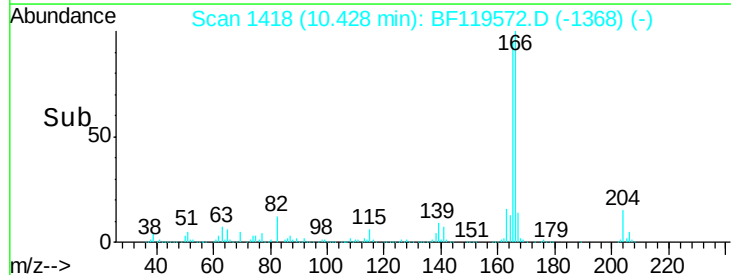
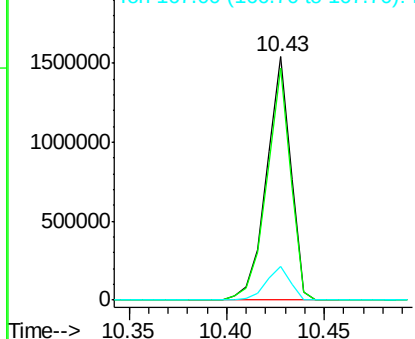


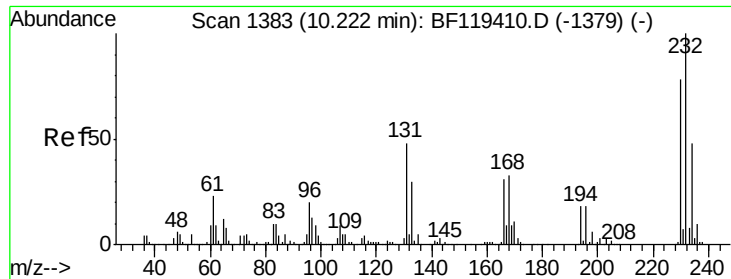
#58  
Fluorene  
Concen: 35.80 ng  
RT: 10.43 min Scan# 1418  
Delta R.T. -0.01 min  
Lab File: BF119572.D  
Acq: 27 Mar 2020 17:33

Tgt Ion:166 Resp: 1320743  
Ion Ratio Lower Upper  
166 100  
165 95.3 75.4 113.2  
167 14.0 11.2 16.8



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

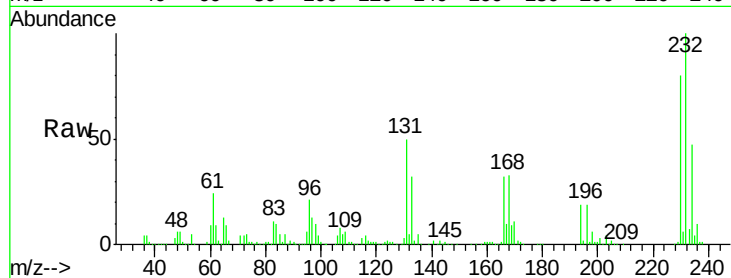




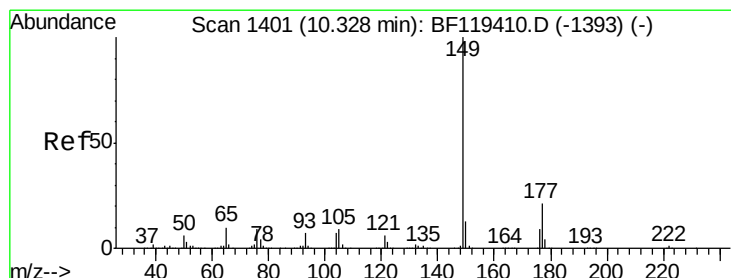
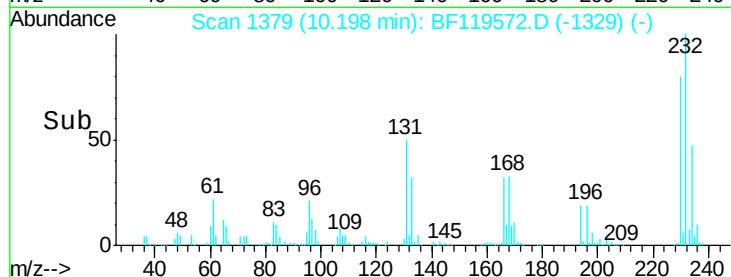
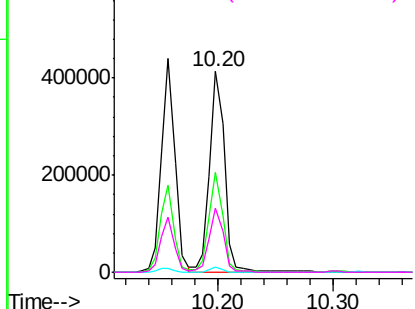
#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 38.17 ng  
 RT: 10.20 min Scan# 1379  
 Delta R.T. -0.01 min  
 Lab File: BF119572.D  
 Acq: 27 Mar 2020 17:33

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB127856BS

Tgt Ion: 232 Resp: 373531  
 Ion Ratio Lower Upper  
 232 100  
 131 46.0 37.5 56.3  
 130 2.2 1.8 2.6  
 166 30.9 24.6 36.8

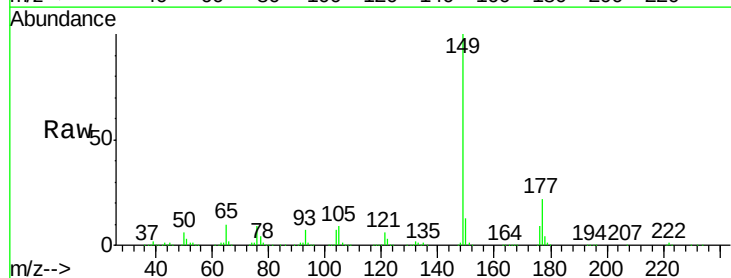


Abundance Ion 232.00 (231.70 to 232.70): E  
 Ion 131.00 (130.70 to 131.70): E  
 Ion 130.00 (129.70 to 130.70): E  
 Ion 166.00 (165.70 to 166.70): E

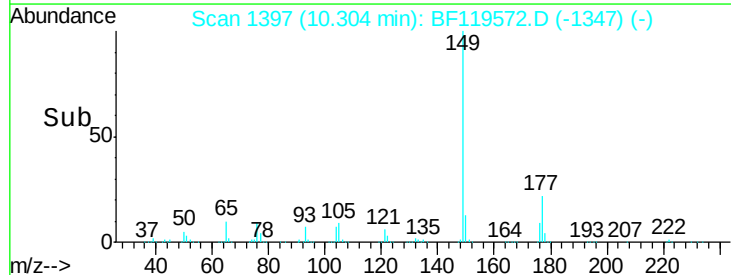
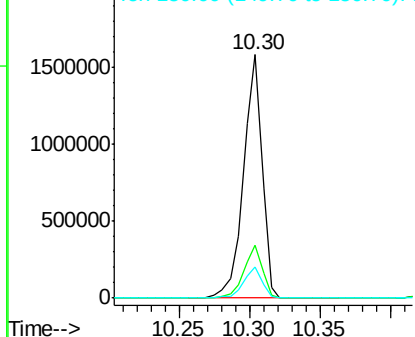


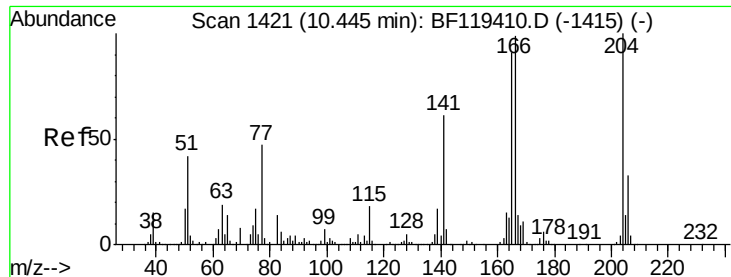
#60  
 Diethylphthalate  
 Concen: 36.10 ng  
 RT: 10.30 min Scan# 1397  
 Delta R.T. -0.01 min  
 Lab File: BF119572.D  
 Acq: 27 Mar 2020 17:33

Tgt Ion: 149 Resp: 1449898  
 Ion Ratio Lower Upper  
 149 100  
 177 21.7 17.0 25.6  
 150 12.8 10.1 15.1



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

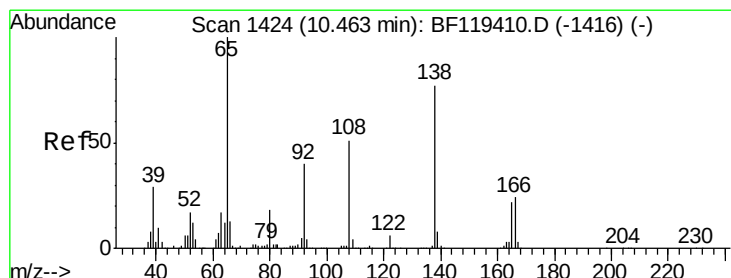
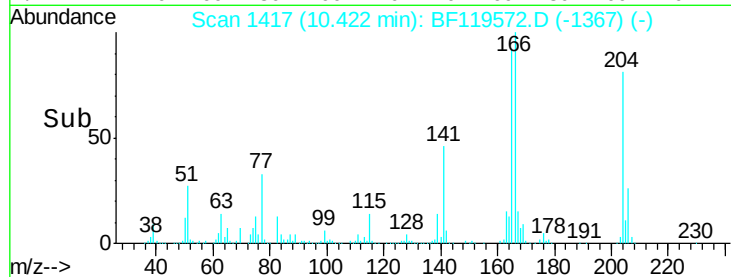
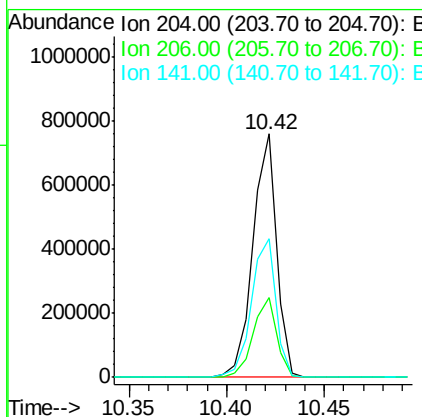
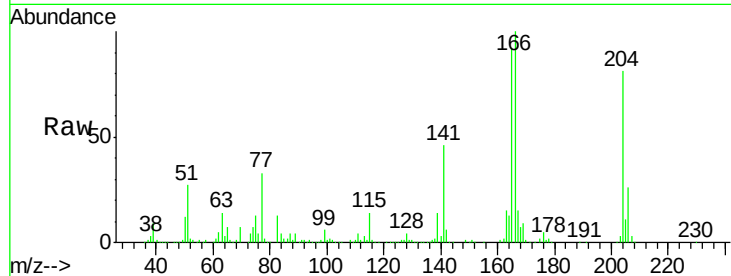




#61  
 4-Chlorophenyl-phenylether  
 Concen: 35.63 ng  
 RT: 10.42 min Scan# 1417  
 Delta R.T. -0.01 min  
 Lab File: BF119572.D  
 Acq: 27 Mar 2020 17:33

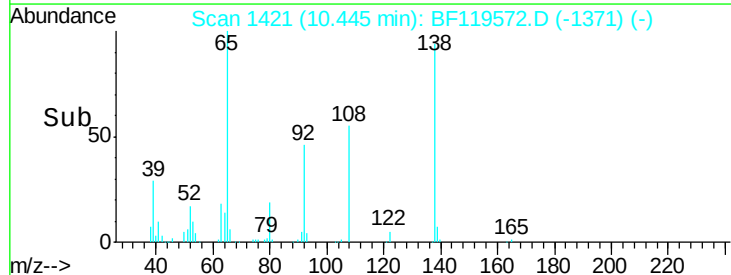
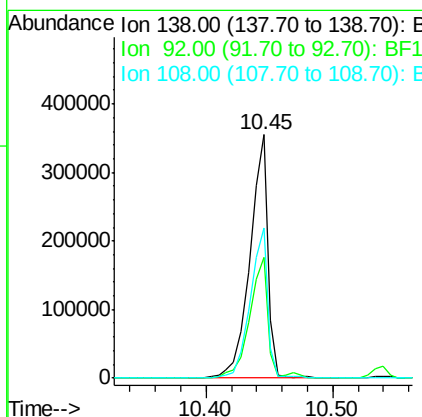
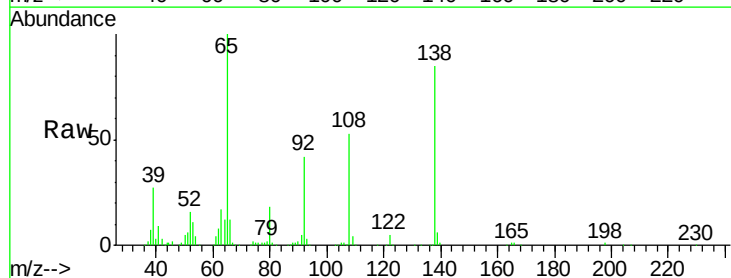
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB127856BS

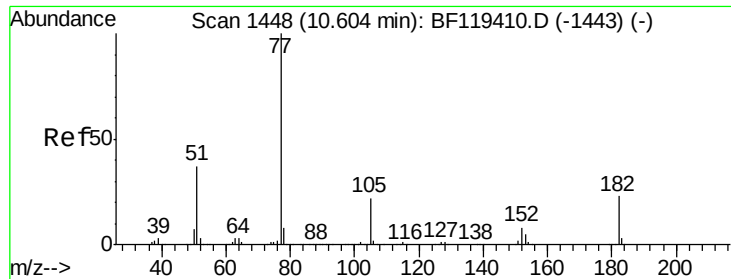
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 204   | Resp: | 642759 |
| Ion      | Ratio | Lower | Upper  |
| 204      | 100   |       |        |
| 206      | 32.8  | 26.7  | 40.1   |
| 141      | 56.8  | 47.3  | 70.9   |



#62  
 4-Nitroaniline  
 Concen: 34.33 ng  
 RT: 10.45 min Scan# 1421  
 Delta R.T. -0.01 min  
 Lab File: BF119572.D  
 Acq: 27 Mar 2020 17:33

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 138   | Resp: | 352546 |
| Ion      | Ratio | Lower | Upper  |
| 138      | 100   |       |        |
| 92       | 49.5  | 31.5  | 71.5   |
| 108      | 61.8  | 45.8  | 85.8   |

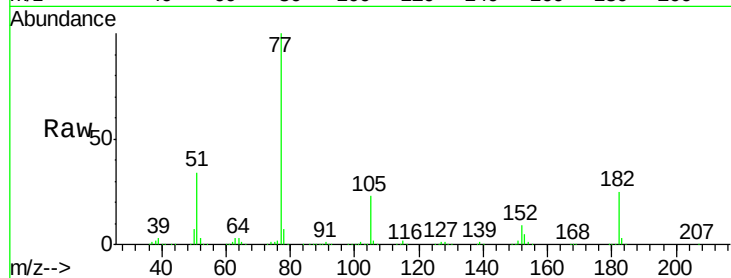




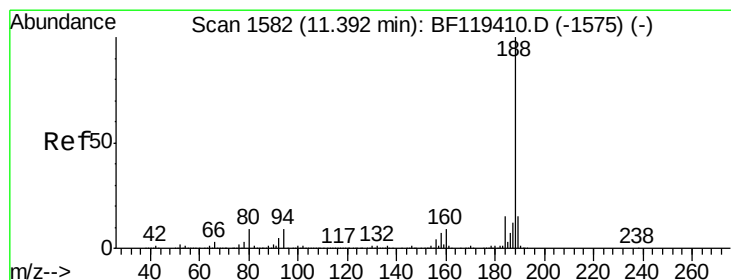
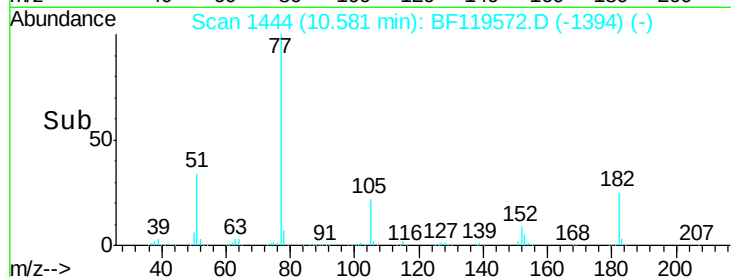
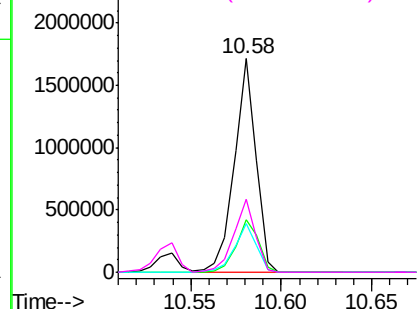
#63  
Azobenzene  
Concen: 35.38 ng  
RT: 10.58 min Scan# 1444  
Delta R.T. -0.01 min  
Lab File: BF119572.D  
Acq: 27 Mar 2020 17:33

Instrument :  
BNA\_F  
ClientSampleId :  
PB127856BS

Tgt Ion: 77 Resp: 1430896  
Ion Ratio Lower Upper  
77 100  
182 24.6 4.4 44.4  
105 23.0 2.6 42.6  
51 34.2 15.1 55.1

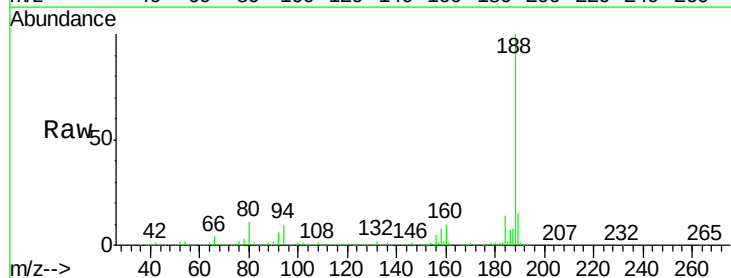


Abundance Ion 77.00 (76.70 to 77.70): BF1  
Ion 182.00 (181.70 to 182.70): BF1  
Ion 105.00 (104.70 to 105.70): BF1  
Ion 51.00 (50.70 to 51.70): BF1

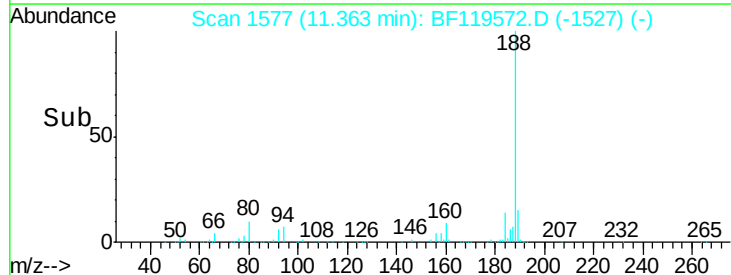
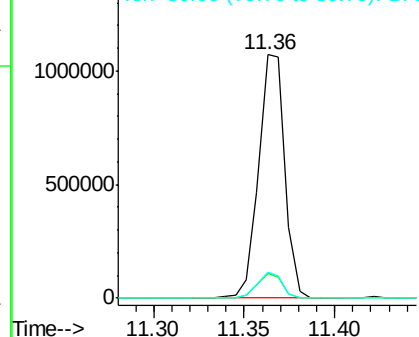


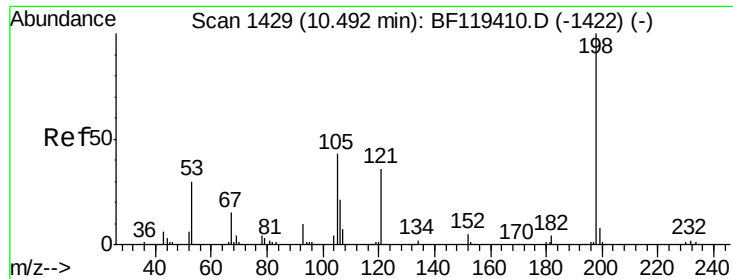
#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.36 min Scan# 1577  
Delta R.T. -0.01 min  
Lab File: BF119572.D  
Acq: 27 Mar 2020 17:33

Tgt Ion: 188 Resp: 1076351  
Ion Ratio Lower Upper  
188 100  
94 10.4 7.5 11.3  
80 10.7 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

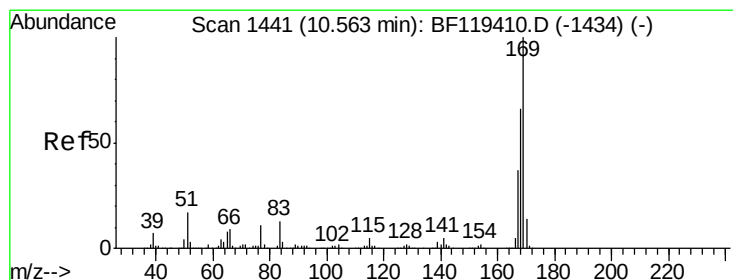
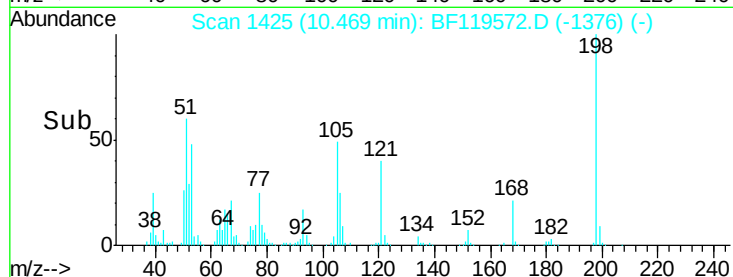
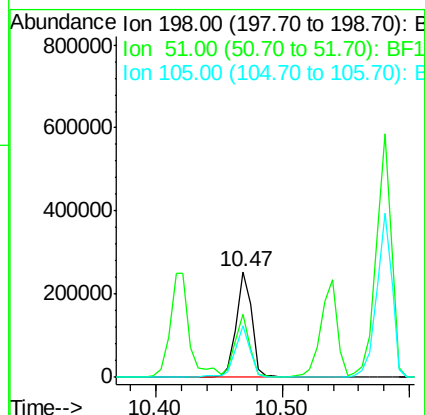
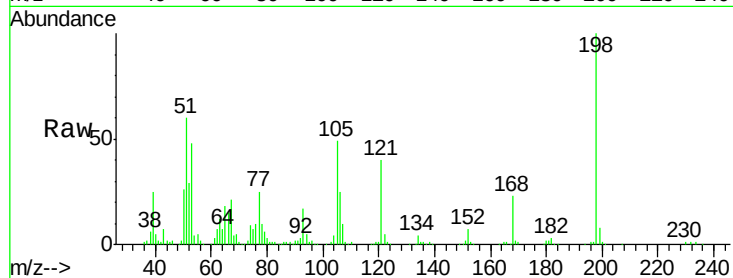




#65  
4,6-Dinitro-2-methylphenol  
Concen: 47.30 ng  
RT: 10.47 min Scan# 1425  
Delta R.T. -0.01 min  
Lab File: BF119572.D  
Acq: 27 Mar 2020 17:33

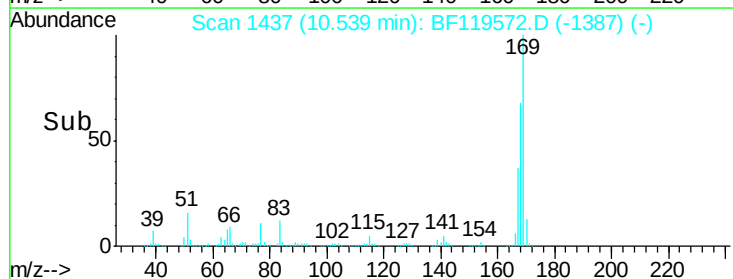
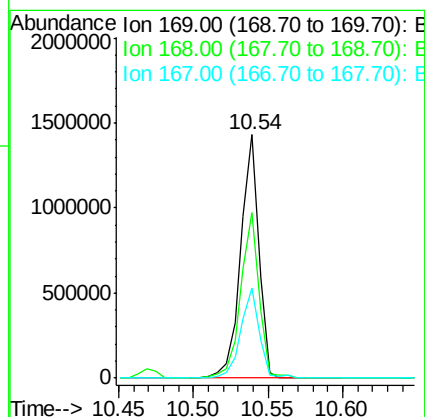
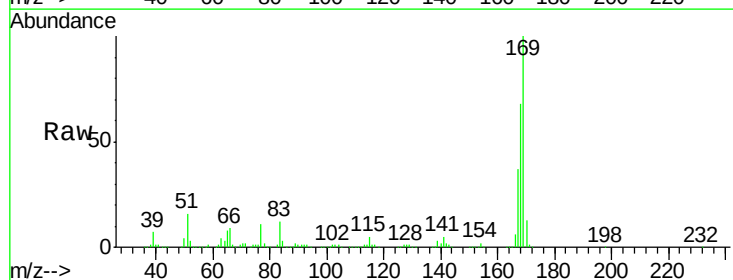
Instrument :  
BNA\_F  
ClientSampleId :  
PB127856BS

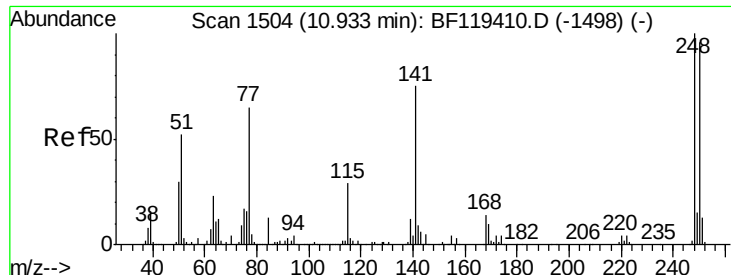
Tgt Ion:198 Resp: 213478  
Ion Ratio Lower Upper  
198 100  
51 60.2 29.0 69.0  
105 48.5 22.2 62.2



#66  
n-Nitrosodiphenylamine  
Concen: 34.74 ng  
RT: 10.54 min Scan# 1437  
Delta R.T. -0.01 min  
Lab File: BF119572.D  
Acq: 27 Mar 2020 17:33

Tgt Ion:169 Resp: 1227448  
Ion Ratio Lower Upper  
169 100  
168 68.1 53.2 79.8  
167 36.8 29.1 43.7

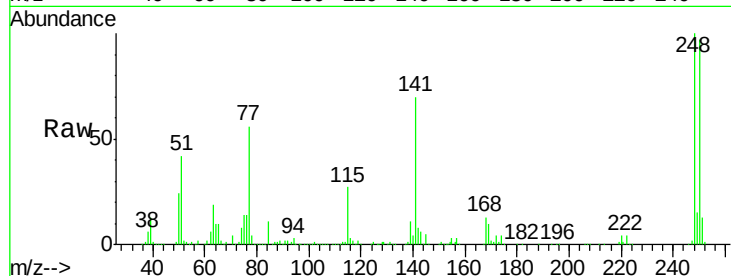




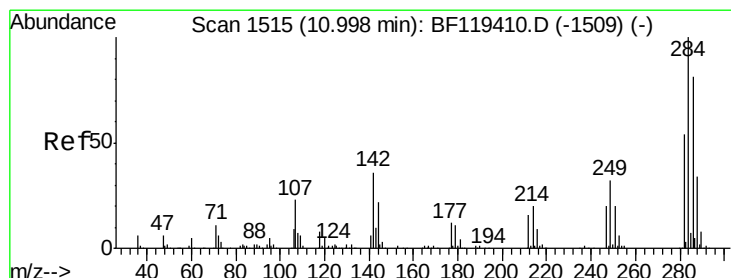
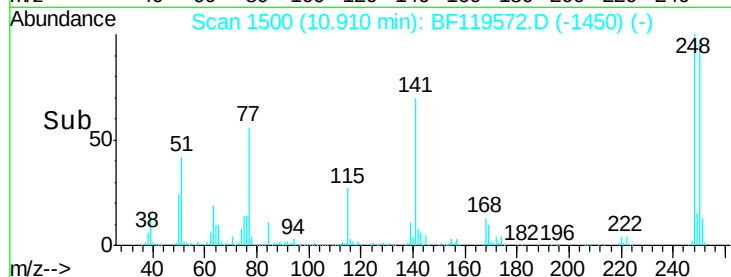
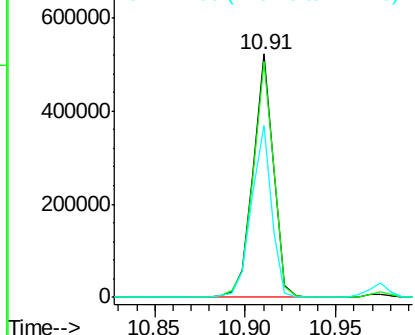
#67  
4-Bromophenyl-phenylether  
Concen: 33.33 ng  
RT: 10.91 min Scan# 1500  
Delta R.T. -0.01 min  
Lab File: BF119572.D  
Acq: 27 Mar 2020 17:33

Instrument :  
BNA\_F  
ClientSampleId :  
PB127856BS

Tgt Ion:248 Resp: 408517  
Ion Ratio Lower Upper  
248 100  
250 96.9 77.3 115.9  
141 70.5 58.6 87.8

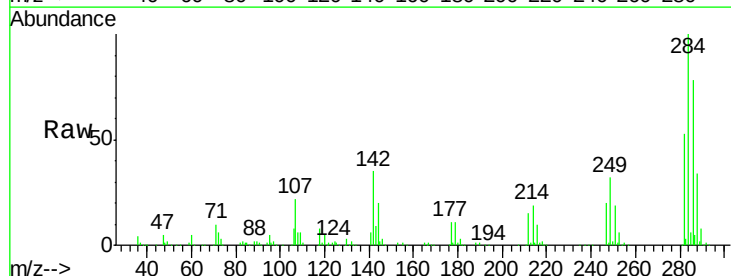


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

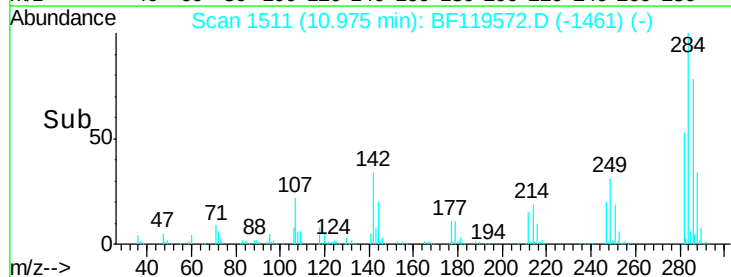
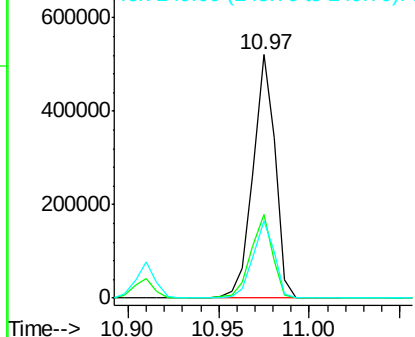


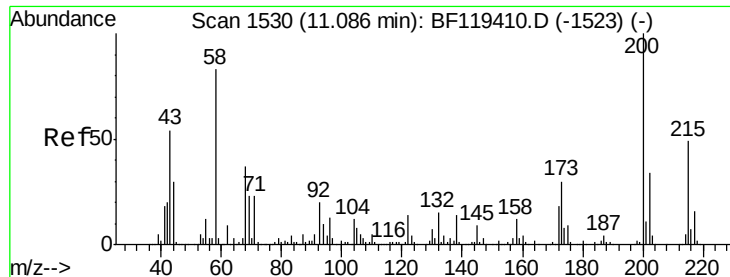
#68  
Hexachlorobenzene  
Concen: 35.30 ng  
RT: 10.97 min Scan# 1511  
Delta R.T. -0.01 min  
Lab File: BF119572.D  
Acq: 27 Mar 2020 17:33

Tgt Ion:284 Resp: 442932  
Ion Ratio Lower Upper  
284 100  
142 34.5 29.2 43.8  
249 31.5 25.1 37.7



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





#69

Atrazine

Concen: 39.37 ng

RT: 11.07 min Scan# 1527

Delta R.T. -0.01 min

Lab File: BF119572.D

Acq: 27 Mar 2020 17:33

Instrument :

BNA\_F

ClientSampleId :

PB127856BS

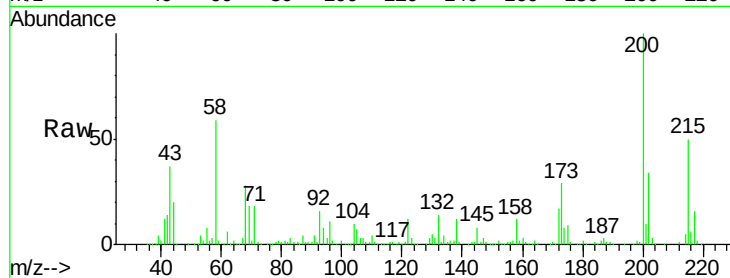
Tgt Ion:200 Resp: 381346

Ion Ratio Lower Upper

200 100

173 28.8 9.3 49.3

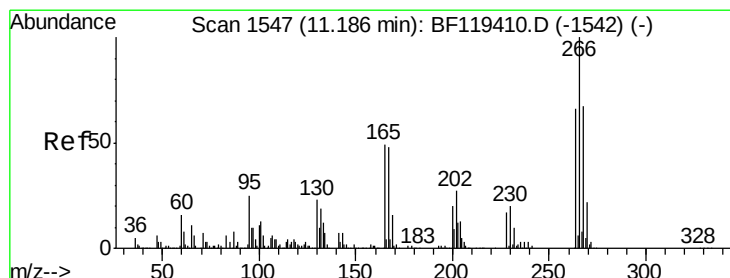
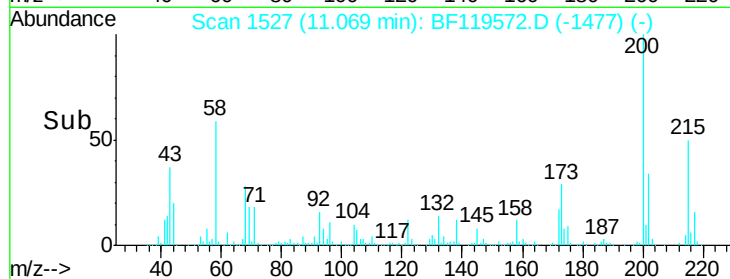
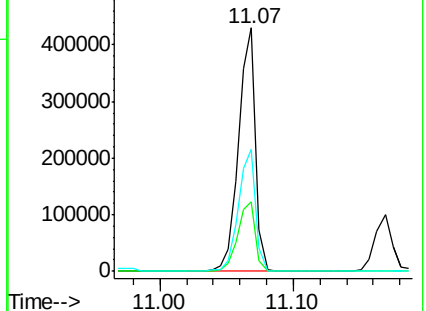
215 50.1 29.5 69.5



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: 68.40 ng

RT: 11.17 min Scan# 1544

Delta R.T. -0.01 min

Lab File: BF119572.D

Acq: 27 Mar 2020 17:33

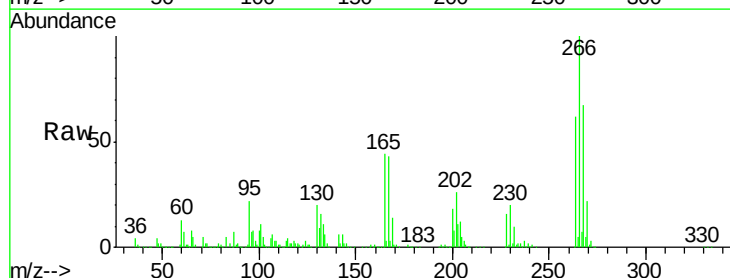
Tgt Ion:266 Resp: 503165

Ion Ratio Lower Upper

266 100

268 67.1 53.3 79.9

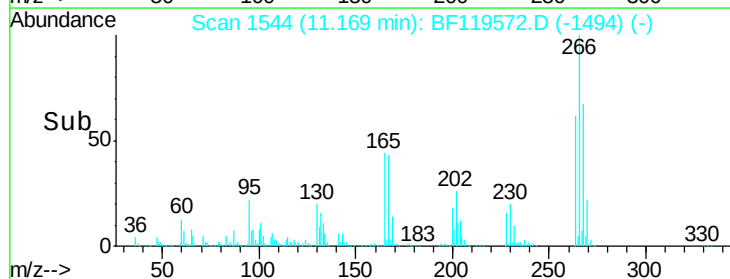
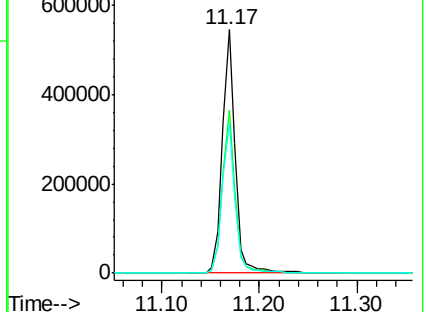
264 61.7 49.0 73.4

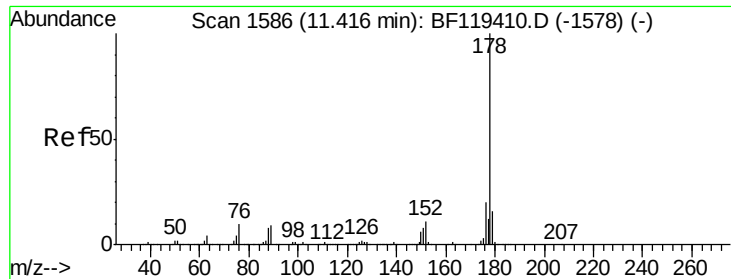


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

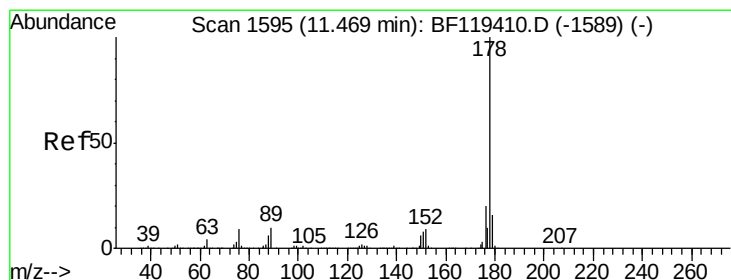
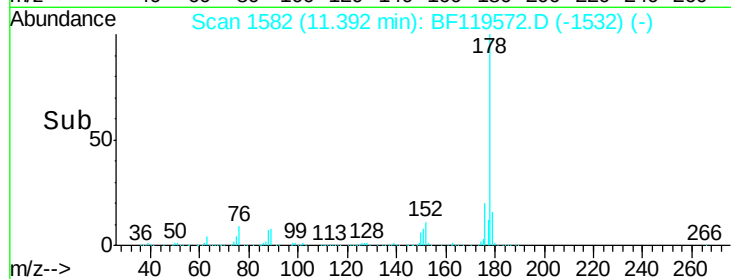
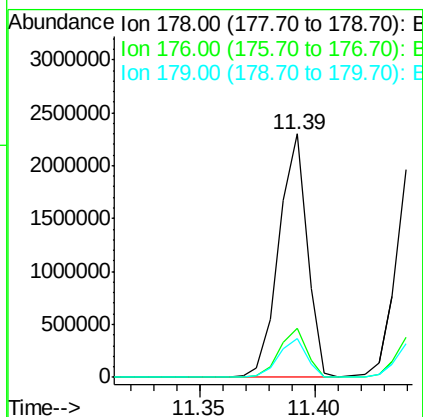
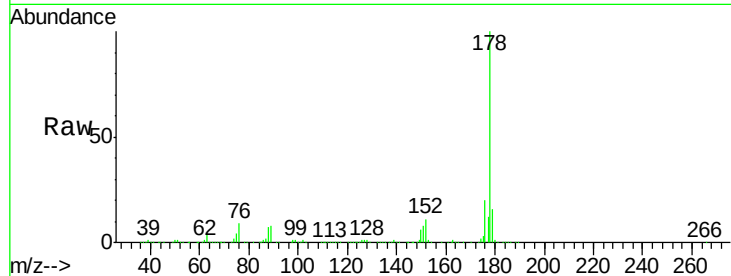




#71  
Phenanthrene  
Concen: 35.02 ng  
RT: 11.39 min Scan# 1582  
Delta R.T. -0.01 min  
Lab File: BF119572.D  
Acq: 27 Mar 2020 17:33

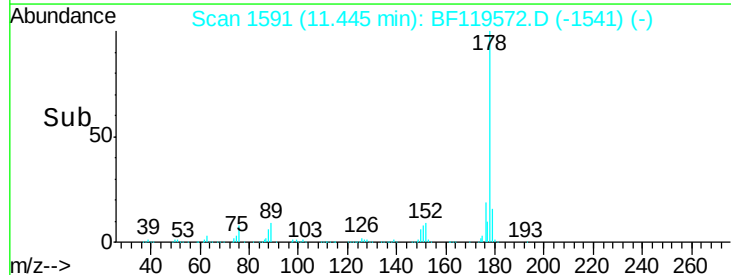
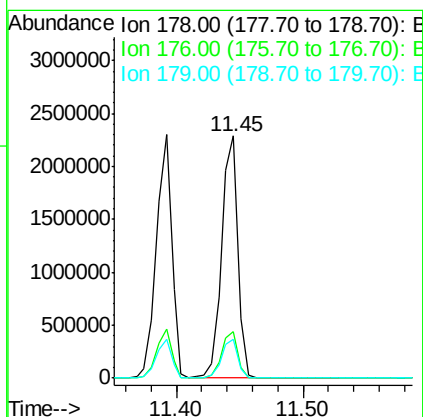
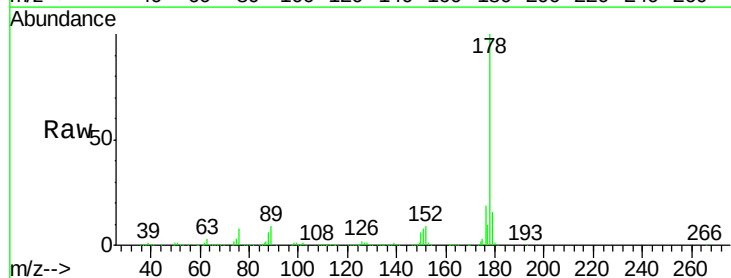
Instrument :  
BNA\_F  
ClientSampleId :  
PB127856BS

Tgt Ion:178 Resp: 1954274  
Ion Ratio Lower Upper  
178 100  
176 20.3 16.2 24.4  
179 15.9 13.2 19.8

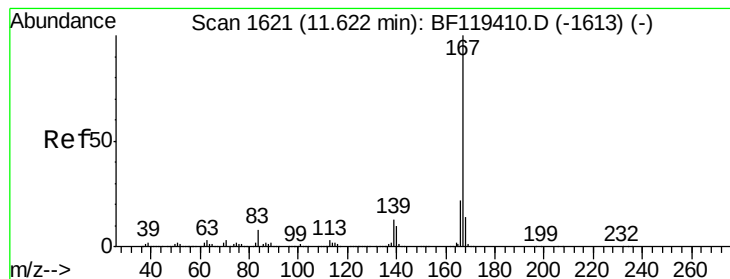


#72  
Anthracene  
Concen: 36.12 ng  
RT: 11.45 min Scan# 1591  
Delta R.T. -0.01 min  
Lab File: BF119572.D  
Acq: 27 Mar 2020 17:33

Tgt Ion:178 Resp: 2048734  
Ion Ratio Lower Upper  
178 100  
176 19.2 16.1 24.1  
179 16.2 13.0 19.4







#73

Carbazole

Concen: 33.47 ng

RT: 11.60 min Scan# 1617

Delta R.T. -0.01 min

Lab File: BF119572.D

Acq: 27 Mar 2020 17:33

Instrument :

BNA\_F

ClientSampleId :

PB127856BS

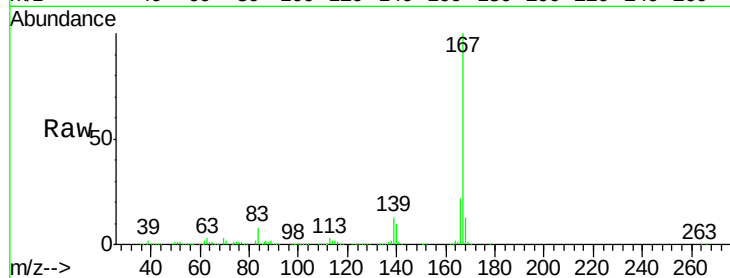
Tgt Ion:167 Resp: 1879248

Ion Ratio Lower Upper

167 100

166 21.8 18.2 27.4

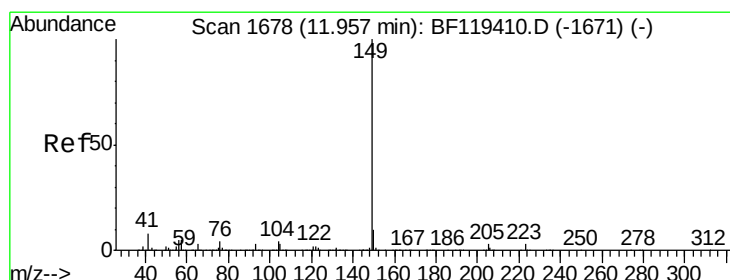
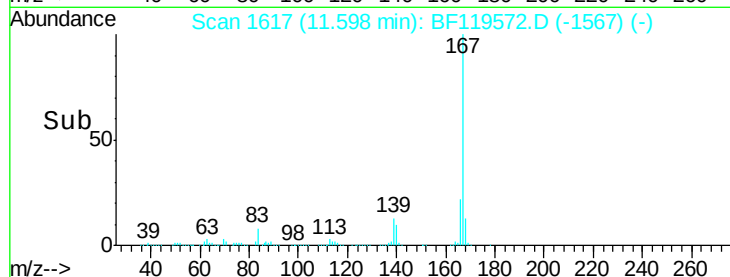
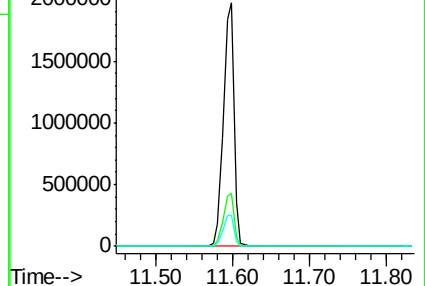
139 12.7 10.7 16.1



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 38.39 ng

RT: 11.93 min Scan# 1673

Delta R.T. -0.01 min

Lab File: BF119572.D

Acq: 27 Mar 2020 17:33

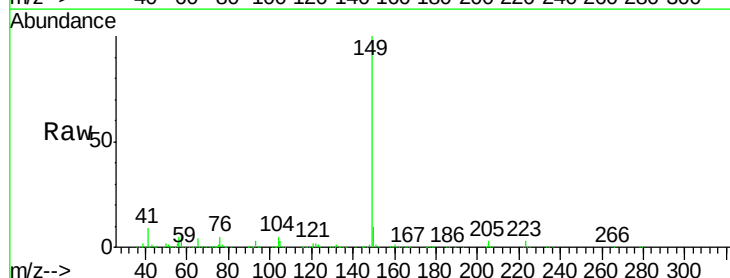
Tgt Ion:149 Resp: 2305473

Ion Ratio Lower Upper

149 100

150 10.0 7.8 11.8

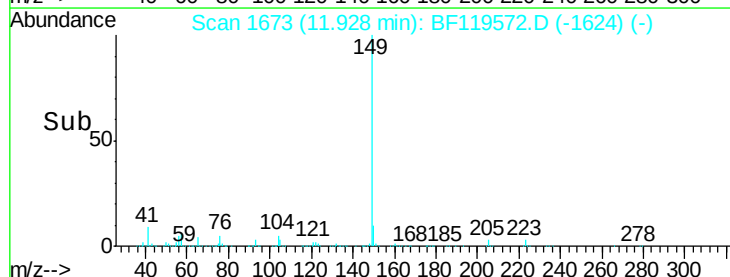
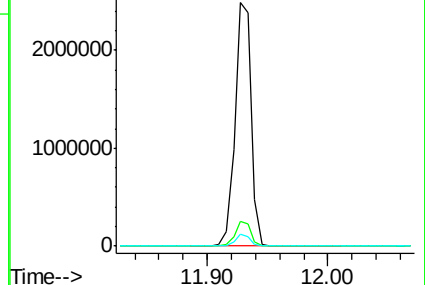
104 4.7 3.6 5.4

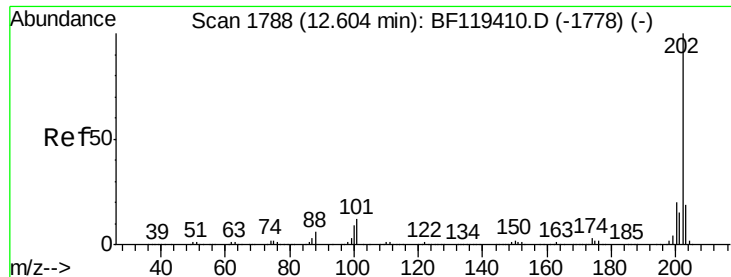


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

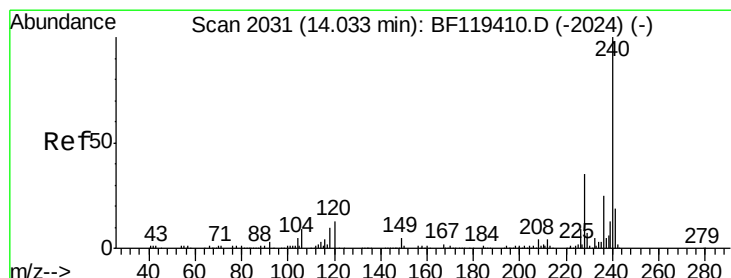
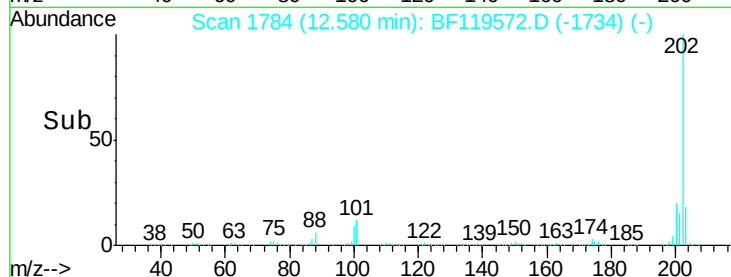
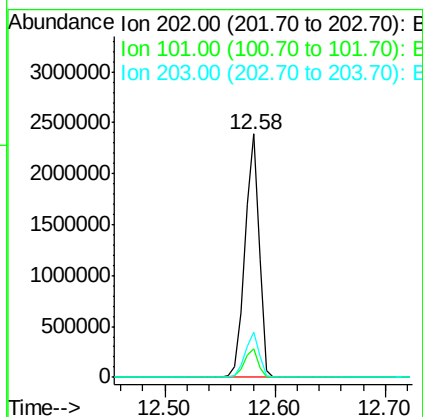
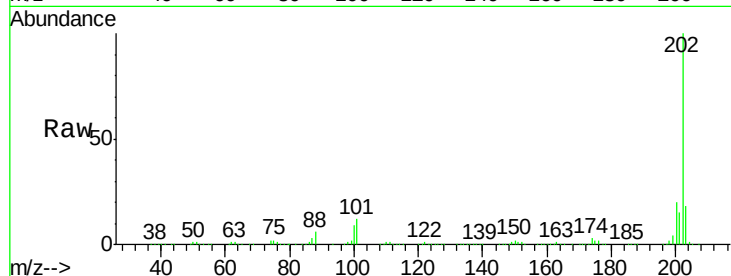




#75  
Fluoranthene  
Concen: 35.61 ng  
RT: 12.58 min Scan# 1784  
Delta R.T. -0.01 min  
Lab File: BF119572.D  
Acq: 27 Mar 2020 17:33

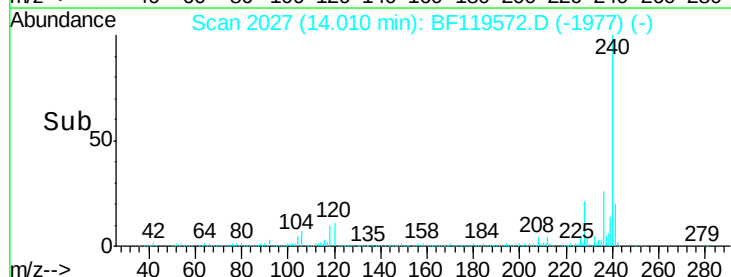
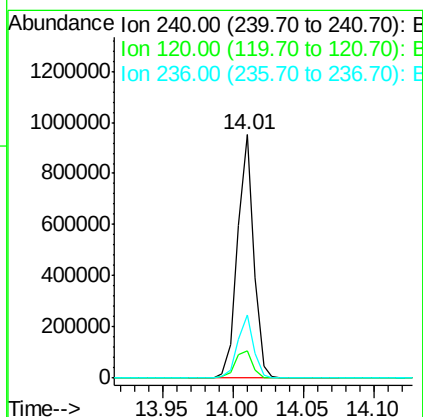
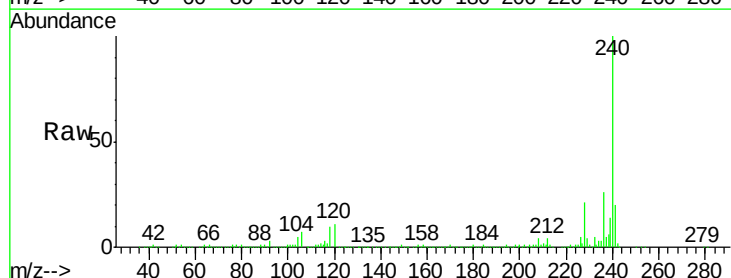
Instrument :  
BNA\_F  
ClientSampleId :  
PB127856BS

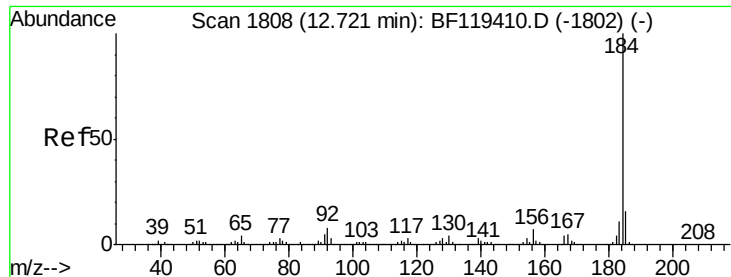
Tgt Ion:202 Resp: 2150745  
Ion Ratio Lower Upper  
202 100  
101 11.7 0.0 32.2  
203 18.3 0.0 38.8



#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.01 min Scan# 2027  
Delta R.T. -0.01 min  
Lab File: BF119572.D  
Acq: 27 Mar 2020 17:33

Tgt Ion:240 Resp: 760268  
Ion Ratio Lower Upper  
240 100  
120 11.5 10.6 15.8  
236 25.9 20.2 30.2





#77

Benzidine

Concen: 39.83 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BF119572.D

Acq: 27 Mar 2020 17:33

Instrument :

BNA\_F

ClientSampleId :

PB127856BS

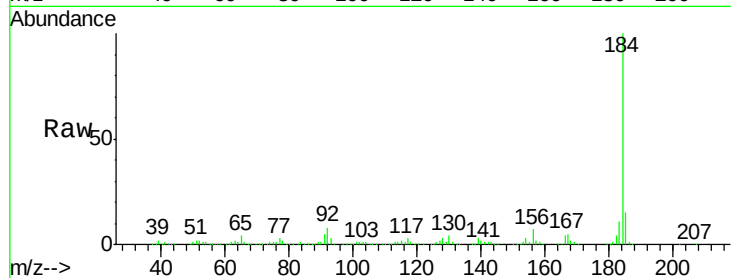
Tgt Ion:184 Resp: 1281464

Ion Ratio Lower Upper

184 100

185 15.4 12.3 18.5

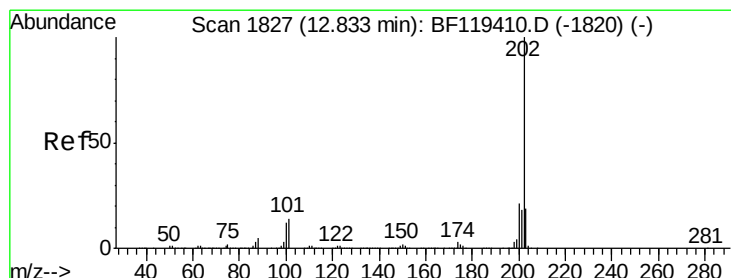
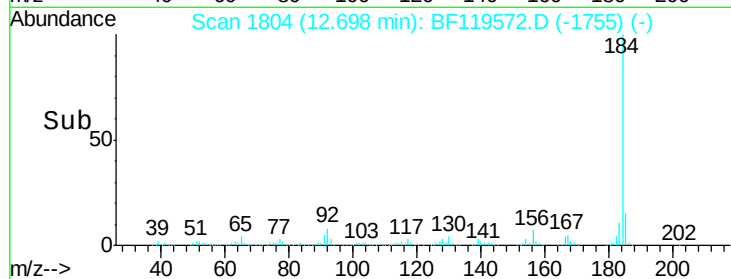
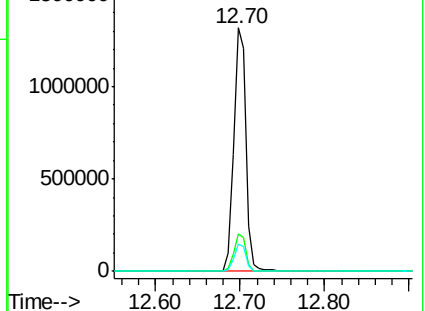
183 11.4 9.0 13.6



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: 34.17 ng

RT: 12.81 min Scan# 1823

Delta R.T. -0.01 min

Lab File: BF119572.D

Acq: 27 Mar 2020 17:33

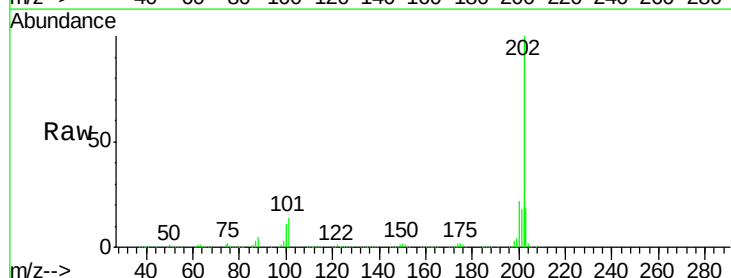
Tgt Ion:202 Resp: 2131947

Ion Ratio Lower Upper

202 100

200 21.6 16.8 25.2

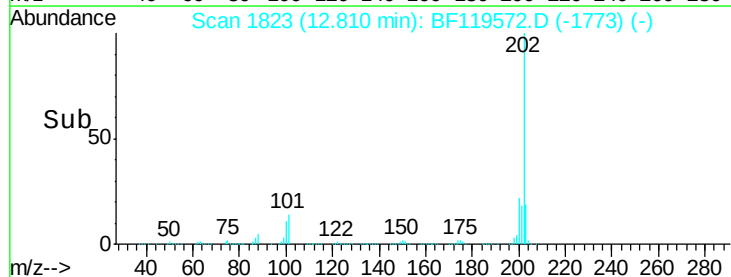
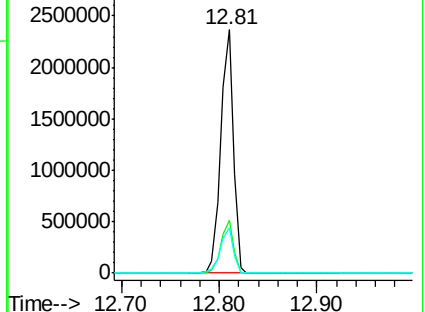
203 18.6 15.1 22.7

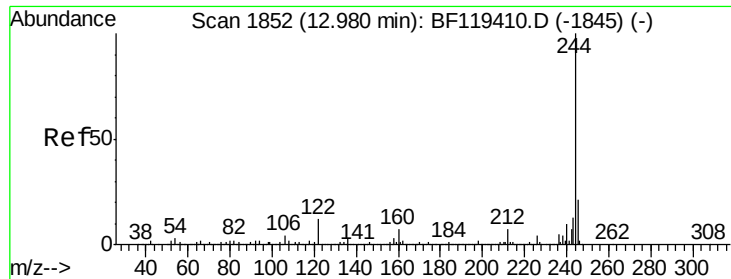


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 71.02 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BF119572.D

Acq: 27 Mar 2020 17:33

Instrument :

BNA\_F

ClientSampleId :

PB127856BS

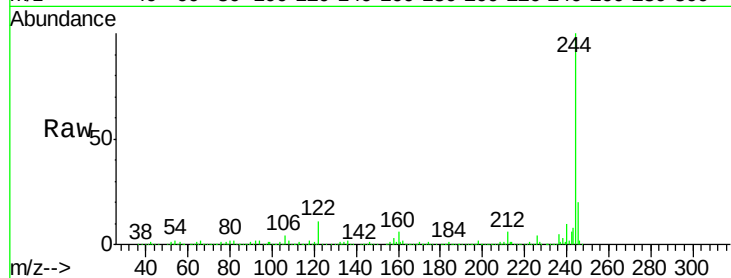
Tgt Ion:244 Resp: 2755943

Ion Ratio Lower Upper

244 100

212 6.4 5.8 8.8

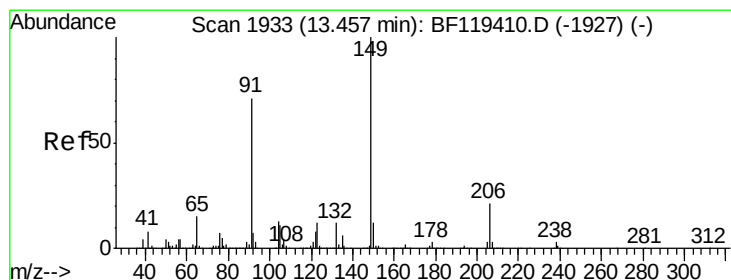
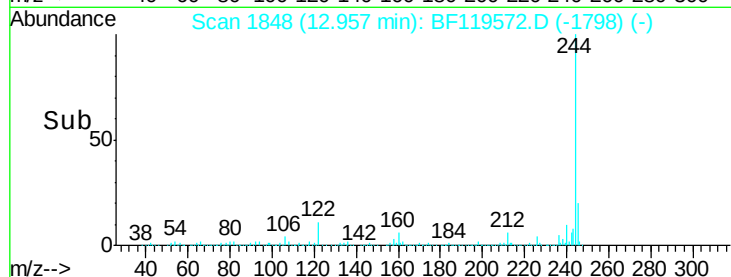
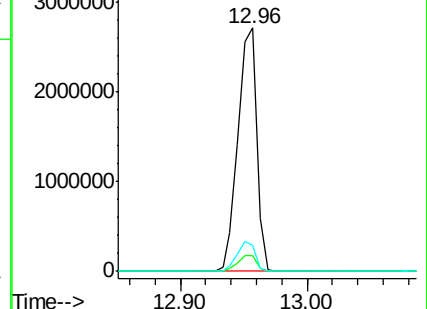
122 10.6 10.3 15.5



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: 38.51 ng

RT: 13.43 min Scan# 1929

Delta R.T. -0.01 min

Lab File: BF119572.D

Acq: 27 Mar 2020 17:33

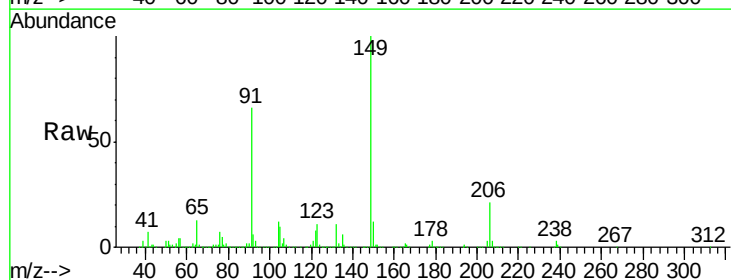
Tgt Ion:149 Resp: 971773

Ion Ratio Lower Upper

149 100

91 66.0 54.7 82.1

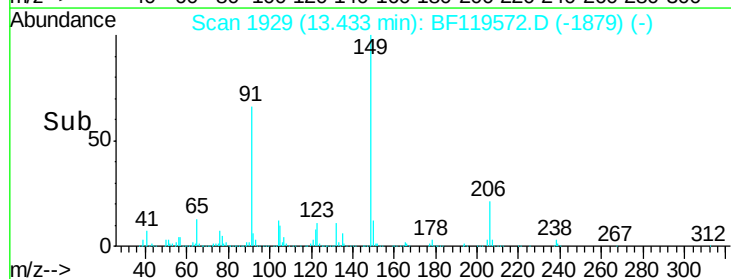
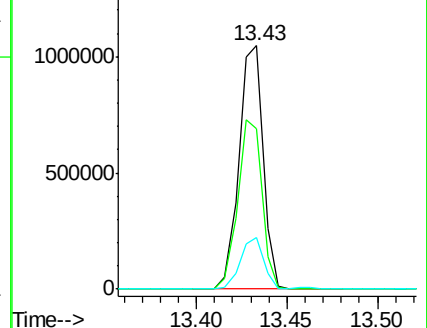
206 21.4 16.2 24.2

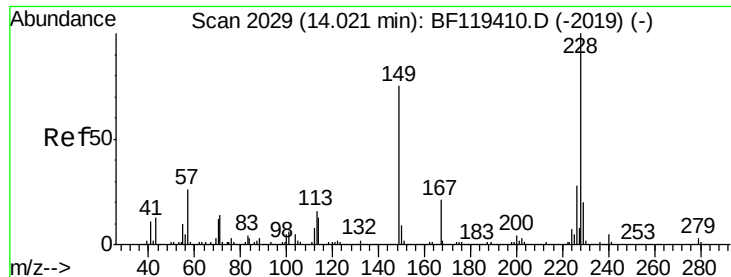


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E

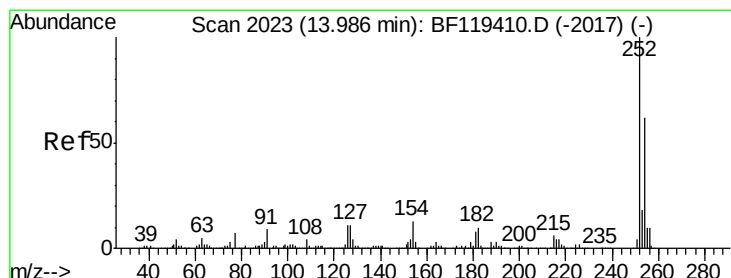
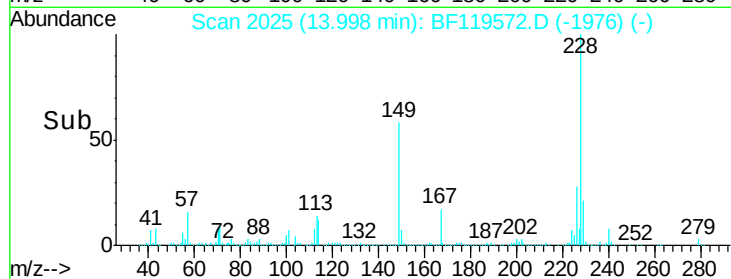
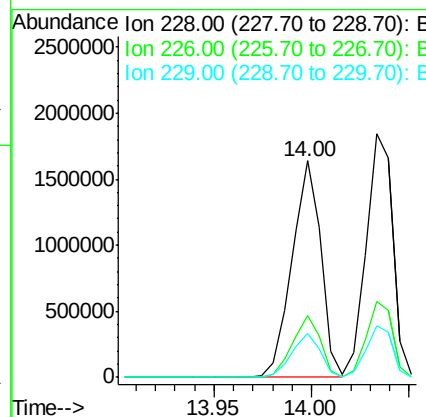
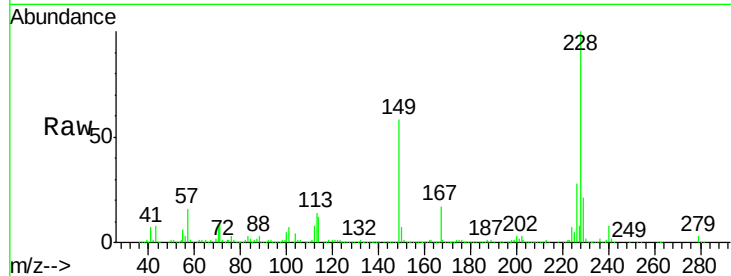




#81  
 Benzo(a)anthracene  
 Concen: 33.92 ng  
 RT: 14.00 min Scan# 2025  
 Delta R.T. -0.01 min  
 Lab File: BF119572.D  
 Acq: 27 Mar 2020 17:33

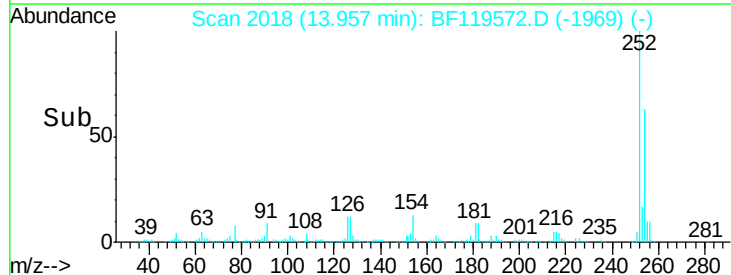
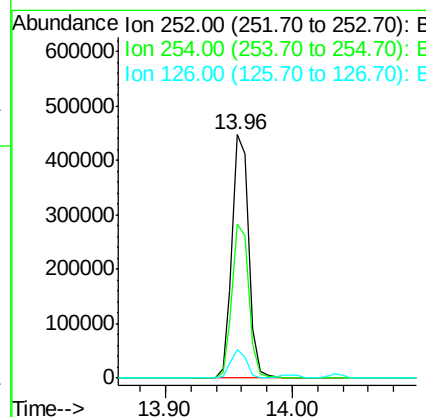
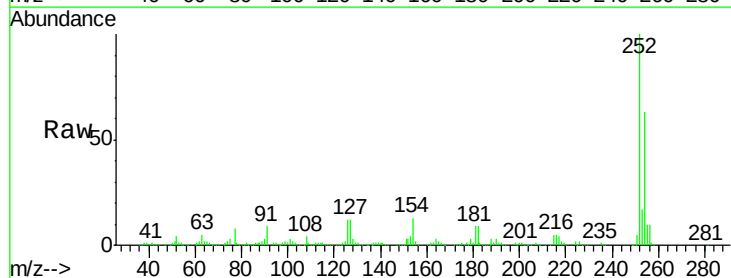
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB127856BS

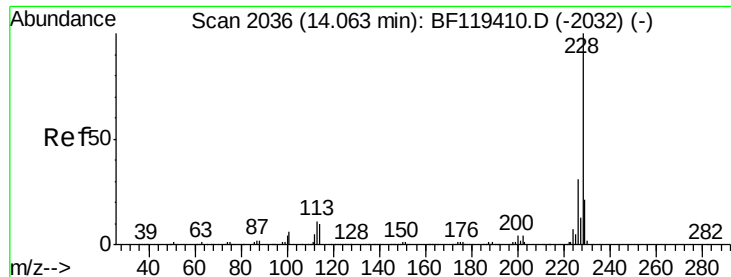
Tgt Ion:228 Resp: 1677017  
 Ion Ratio Lower Upper  
 228 100  
 226 28.3 21.8 32.8  
 229 20.6 16.2 24.4



#82  
 3,3'-Dichlorobenzidine  
 Concen: 20.93 ng  
 RT: 13.96 min Scan# 2018  
 Delta R.T. -0.01 min  
 Lab File: BF119572.D  
 Acq: 27 Mar 2020 17:33

Tgt Ion:252 Resp: 407977  
 Ion Ratio Lower Upper  
 252 100  
 254 63.4 51.2 76.8  
 126 11.7 9.6 14.4





#83

Chrysene

Concen: 34.08 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF119572.D

Acq: 27 Mar 2020 17:33

Instrument :

BNA\_F

ClientSampleId :

PB127856BS

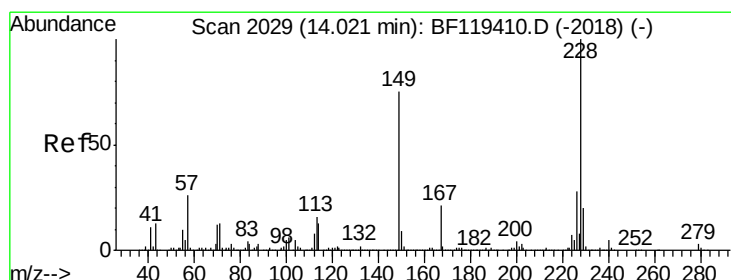
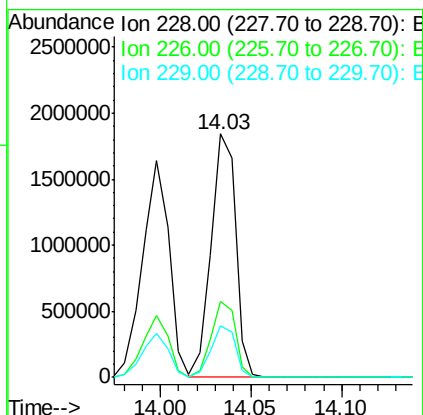
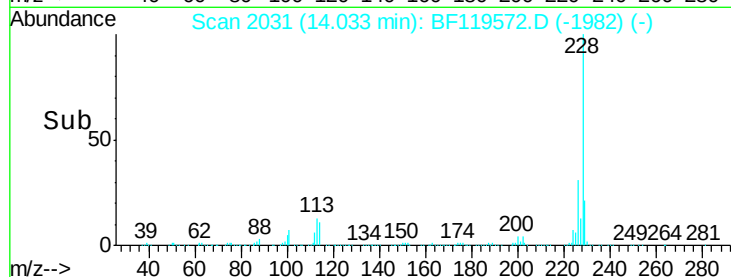
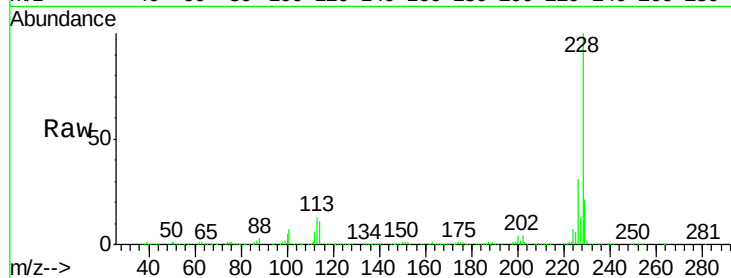
Tgt Ion:228 Resp: 1739032

Ion Ratio Lower Upper

228 100

226 31.3 25.4 38.0

229 21.1 16.6 24.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 42.53 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF119572.D

Acq: 27 Mar 2020 17:33

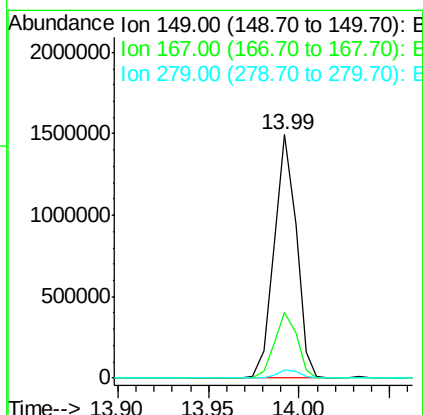
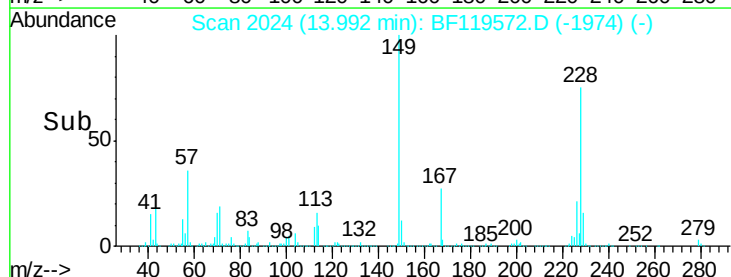
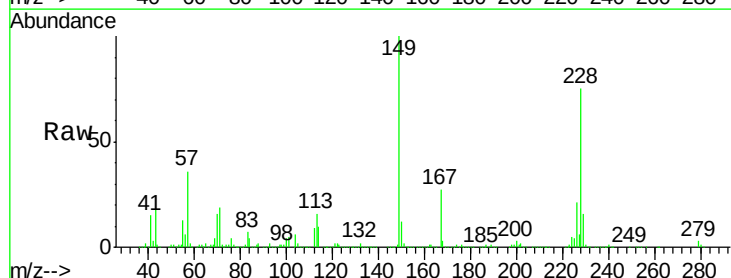
Tgt Ion:149 Resp: 1279515

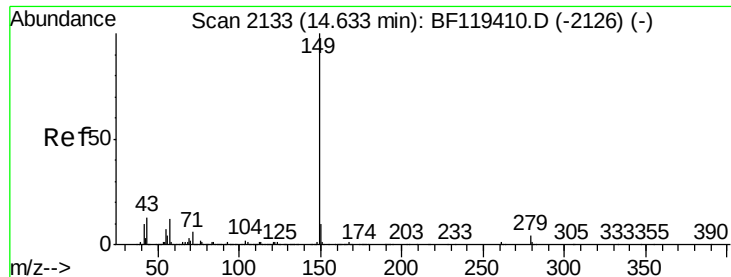
Ion Ratio Lower Upper

149 100

167 27.2 21.3 31.9

279 3.5 2.7 4.1

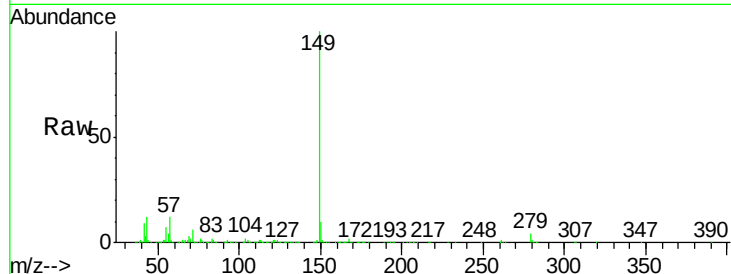




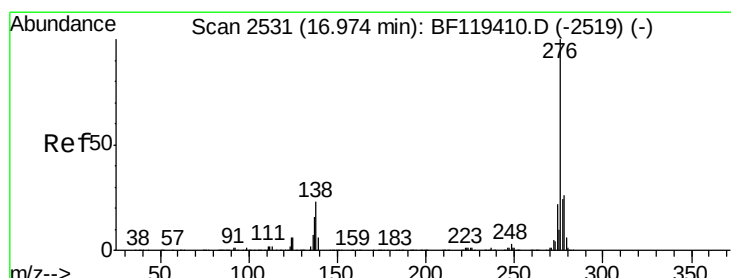
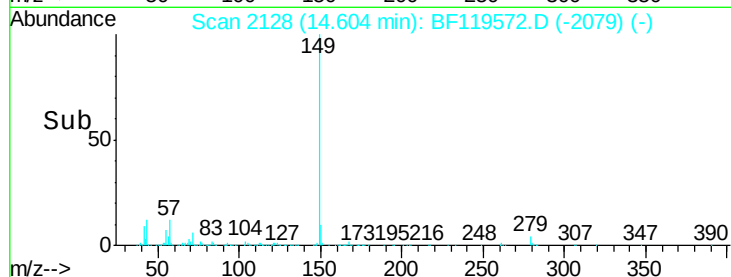
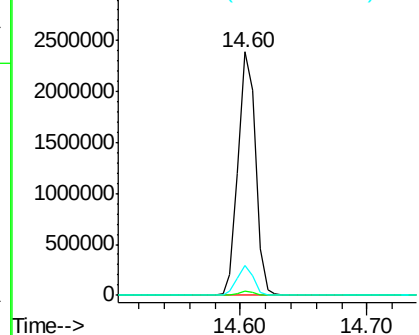
#85  
Di-n-octyl phthalate  
Concen: 42.53 ng  
RT: 14.60 min Scan# 2128  
Delta R.T. -0.01 min  
Lab File: BF119572.D  
Acq: 27 Mar 2020 17:33

Instrument :  
BNA\_F  
ClientSampleId :  
PB127856BS

Tgt Ion:149 Resp: 2250111  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.2 1.8  
43 11.5 9.3 13.9

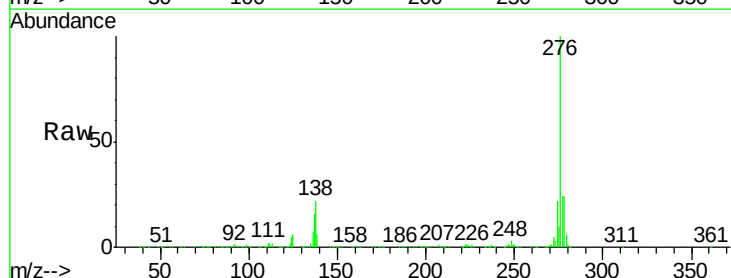


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 167.00 (166.70 to 167.70): E  
Ion 43.00 (42.70 to 43.70): BF1

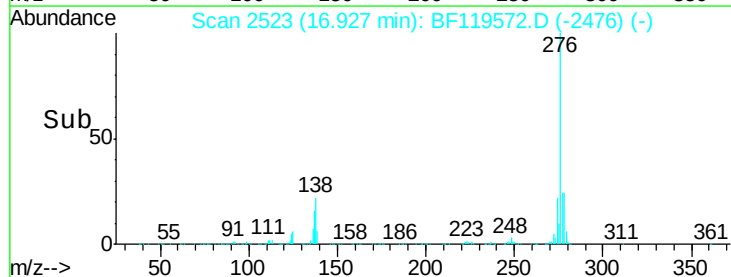
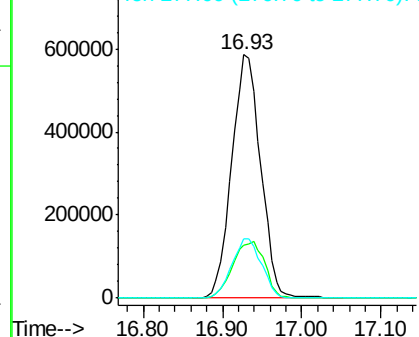


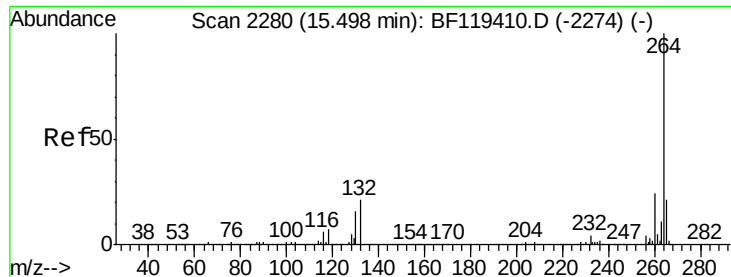
#86  
Indeno(1,2,3-cd)pyrene  
Concen: 30.82 ng  
RT: 16.93 min Scan# 2523  
Delta R.T. -0.02 min  
Lab File: BF119572.D  
Acq: 27 Mar 2020 17:33

Tgt Ion:276 Resp: 1481149  
Ion Ratio Lower Upper  
276 100  
138 25.7 19.6 29.4  
277 25.3 20.0 30.0



Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 138.00 (137.70 to 138.70): E  
Ion 277.00 (276.70 to 277.70): E



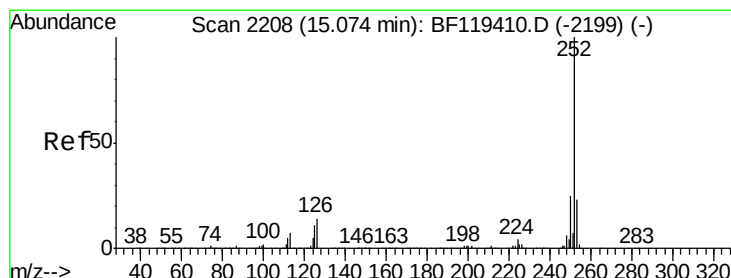
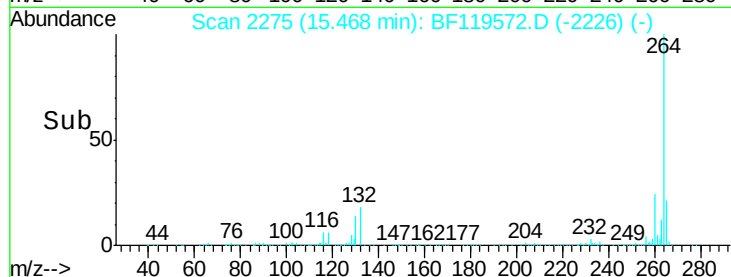
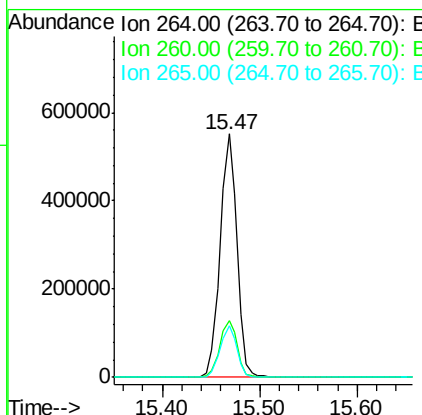
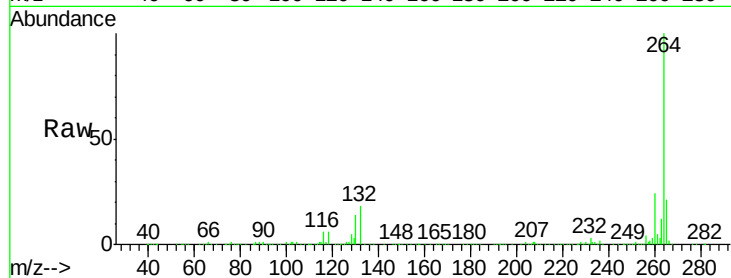


#87  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.47 min Scan# 2275  
Delta R.T. -0.01 min  
Lab File: BF119572.D  
Acq: 27 Mar 2020 17:33

Instrument :  
BNA\_F  
ClientSampleId :  
PB127856BS

Tgt Ion: 264 Resp: 659219  

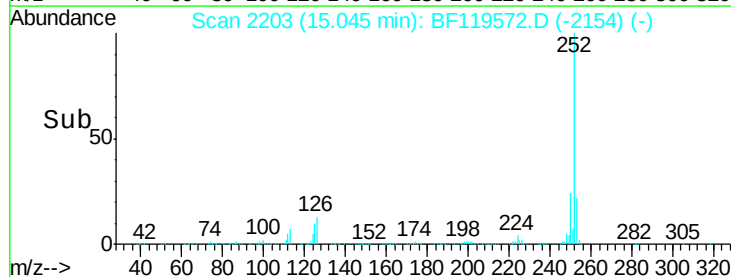
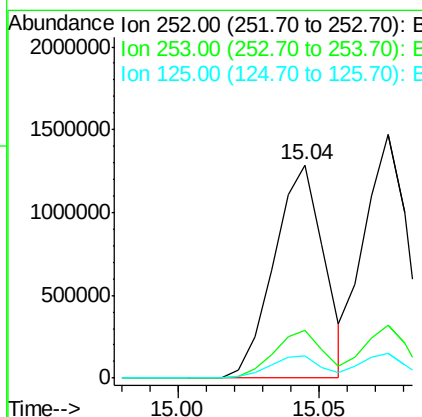
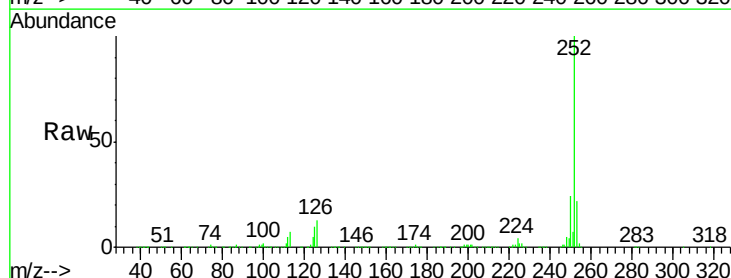
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.6  | 18.7  | 28.1  |
| 265 | 21.4  | 17.7  | 26.5  |



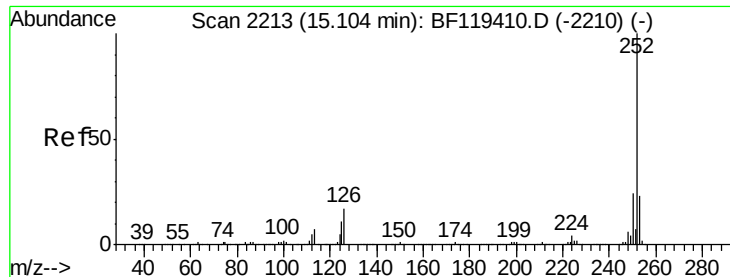
#88  
Benzo(b)fluoranthene  
Concen: 35.92 ng  
RT: 15.04 min Scan# 2203  
Delta R.T. -0.01 min  
Lab File: BF119572.D  
Acq: 27 Mar 2020 17:33

Tgt Ion: 252 Resp: 1581716  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 22.4  | 17.4  | 26.0  |
| 125 | 10.4  | 7.9   | 11.9  |



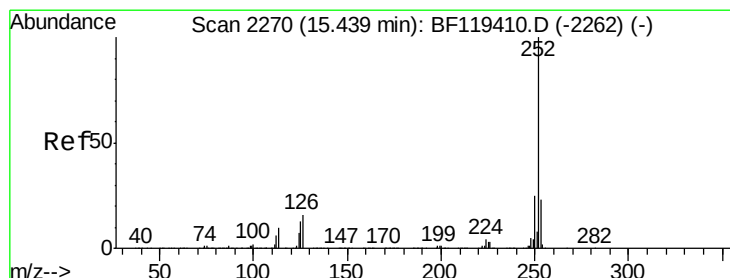
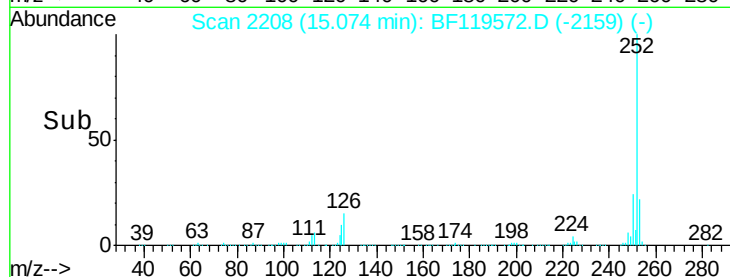
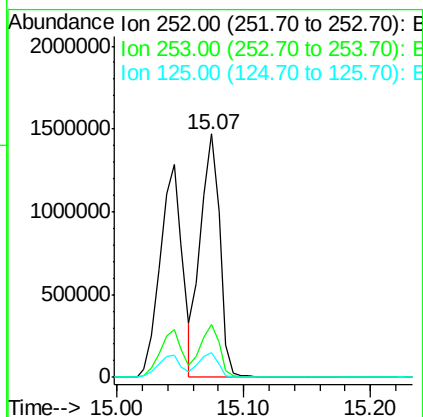
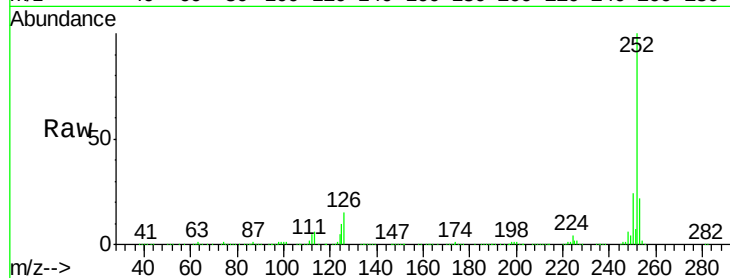




#89  
Benzo(k)fluoranthene  
Concen: 37.01 ng  
RT: 15.07 min Scan# 2208  
Delta R.T. -0.01 min  
Lab File: BF119572.D  
Acq: 27 Mar 2020 17:33

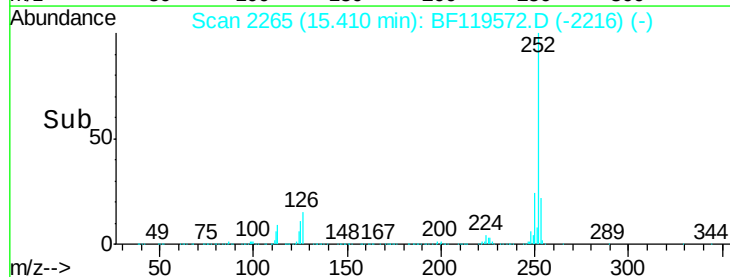
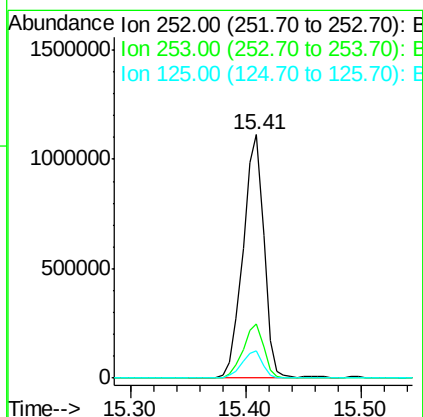
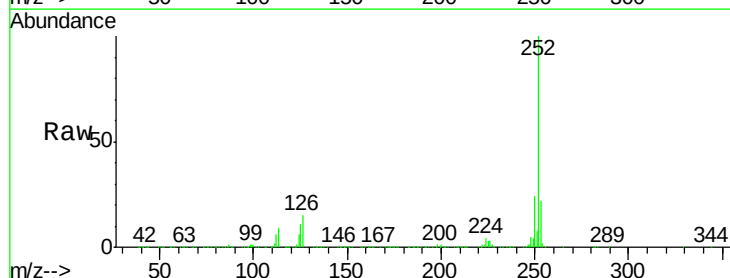
Instrument :  
BNA\_F  
ClientSampleId :  
PB127856BS

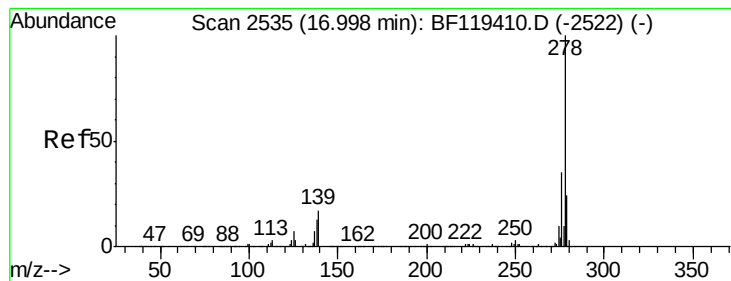
Tgt Ion:252 Resp: 1551777  
Ion Ratio Lower Upper  
252 100  
253 22.0 17.8 26.6  
125 10.4 8.4 12.6



#90  
Benzo(a)pyrene  
Concen: 34.91 ng  
RT: 15.41 min Scan# 2265  
Delta R.T. -0.01 min  
Lab File: BF119572.D  
Acq: 27 Mar 2020 17:33

Tgt Ion:252 Resp: 1396936  
Ion Ratio Lower Upper  
252 100  
253 22.2 18.2 27.2  
125 11.5 9.4 14.2





#91

Dibenzo(a,h)anthracene

Concen: 35.63 ng

RT: 16.95 min Scan# 2527

Delta R.T. -0.02 min

Lab File: BF119572.D

Acq: 27 Mar 2020 17:33

Instrument :

BNA\_F

ClientSampleId :

PB127856BS

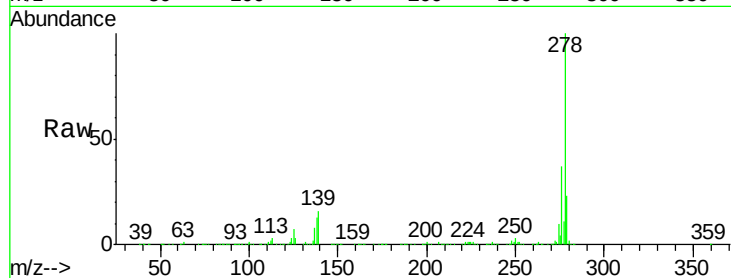
Tgt Ion:278 Resp: 1247274

Ion Ratio Lower Upper

278 100

139 16.1 12.6 19.0

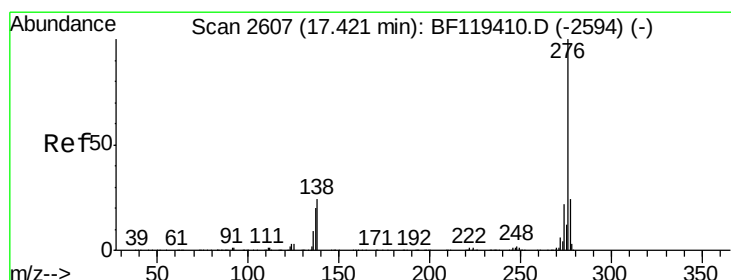
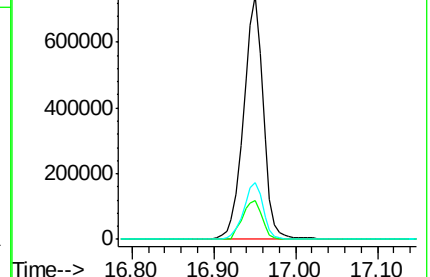
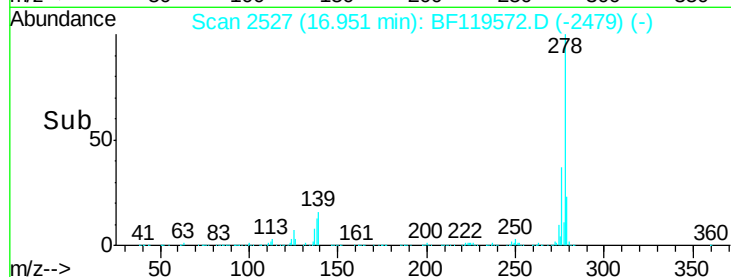
279 23.5 19.0 28.6



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 34.27 ng

RT: 17.37 min Scan# 2598

Delta R.T. -0.03 min

Lab File: BF119572.D

Acq: 27 Mar 2020 17:33

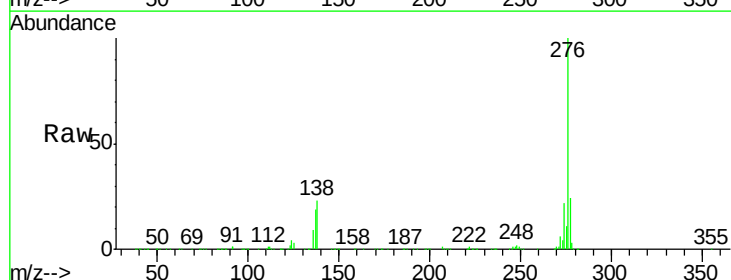
Tgt Ion:276 Resp: 1204941

Ion Ratio Lower Upper

276 100

277 24.4 18.4 27.6

138 22.6 15.4 23.0



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

