

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF042020\  
 Data File : BF120075.D  
 Acq On : 20 Apr 2020 14:02  
 Operator : MA/SJ  
 Sample : PB128301BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB128301BS

Quant Time: Apr 20 14:37:23 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Apr 20 14:10:57 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.71  | 152  | 121925   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.00  | 136  | 474218   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.76  | 164  | 252222   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.24 | 188  | 469788   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 13.89 | 240  | 293552   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.32 | 264  | 353993   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |       |
|--------------------------|-------|-----|---------|--------|----|-------|
| 5) 2-Fluorophenol        | 5.33  | 112 | 980268  | 138.94 | ng | 0.01  |
| 7) Phenol-d6             | 6.36  | 99  | 1277255 | 140.50 | ng | 0.00  |
| 23) Nitrobenzene-d5      | 7.28  | 82  | 785595  | 85.70  | ng | -0.01 |
| 42) 2,4,6-Tribromophenol | 10.56 | 330 | 340192  | 110.16 | ng | 0.00  |
| 45) 2-Fluorobiphenyl     | 9.08  | 172 | 1570865 | 88.43  | ng | 0.00  |
| 79) Terphenyl-d14        | 12.84 | 244 | 1515730 | 86.88  | ng | 0.00  |

## Target Compounds

|                                |      |     |         |        |    | Qvalue |
|--------------------------------|------|-----|---------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.40 | 88  | 125081  | 39.805 | ng | 99     |
| 3) Pyridine                    | 3.10 | 79  | 353958  | 41.055 | ng | 99     |
| 4) n-Nitrosodimethylamine      | 3.05 | 42  | 203648  | 46.231 | ng | 98     |
| 6) Aniline                     | 6.37 | 93  | 309441  | 25.934 | ng | # 44   |
| 8) 2-Chlorophenol              | 6.50 | 128 | 401299  | 50.908 | ng | 99     |
| 9) Benzaldehyde                | 6.26 | 77  | 167404  | 31.161 | ng | 98     |
| 10) Phenol                     | 6.37 | 94  | 498131  | 48.299 | ng | 95     |
| 11) bis(2-Chloroethyl)ether    | 6.45 | 93  | 374073  | 46.975 | ng | 97     |
| 12) 1,3-Dichlorobenzene        | 6.65 | 146 | 402682  | 46.660 | ng | 97     |
| 13) 1,4-Dichlorobenzene        | 6.73 | 146 | 407297  | 46.330 | ng | 97     |
| 14) 1,2-Dichlorobenzene        | 6.89 | 146 | 386391  | 47.692 | ng | 96     |
| 15) Benzyl Alcohol             | 6.86 | 79  | 337183  | 47.754 | ng | 98     |
| 16) 2,2'-oxybis(1-Chloropropan | 6.99 | 45  | 677829  | 43.742 | ng | 97     |
| 17) 2-Methylphenol             | 6.98 | 107 | 325372  | 46.252 | ng | 97     |
| 18) Hexachloroethane           | 7.23 | 117 | 152173  | 46.317 | ng | 93     |
| 19) n-Nitroso-di-n-propylamine | 7.13 | 70  | 277036  | 47.390 | ng | 97     |
| 20) 3+4-Methylphenols          | 7.13 | 107 | 413095  | 48.013 | ng | # 89   |
| 22) Acetophenone               | 7.13 | 105 | 538152  | 48.462 | ng | # 97   |
| 24) Nitrobenzene               | 7.30 | 77  | 421621  | 45.723 | ng | 99     |
| 25) Isophorone                 | 7.54 | 82  | 768021  | 43.464 | ng | 98     |
| 26) 2-Nitrophenol              | 7.62 | 139 | 216968  | 47.096 | ng | 99     |
| 27) 2,4-Dimethylphenol         | 7.66 | 122 | 340973  | 49.074 | ng | 100    |
| 28) bis(2-Chloroethoxy)methane | 7.76 | 93  | 485379  | 46.680 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 7.86 | 162 | 333006  | 46.758 | ng | 99     |
| 30) 1,2,4-Trichlorobenzene     | 7.95 | 180 | 357324  | 44.279 | ng | 99     |
| 31) Naphthalene                | 8.02 | 128 | 1156754 | 46.363 | ng | 100    |
| 32) Benzoic acid               | 7.80 | 122 | 249033  | 40.811 | ng | 96     |
| 33) 4-Chloroaniline            | 8.07 | 127 | 128622  | 11.842 | ng | 98     |
| 34) Hexachlorobutadiene        | 8.14 | 225 | 204453  | 42.324 | ng | 99     |
| 35) Caprolactam                | 8.45 | 113 | 56185   | 25.790 | ng | 95     |
| 36) 4-Chloro-3-methylphenol    | 8.57 | 107 | 364515  | 47.274 | ng | 98     |
| 37) 2-Methylnaphthalene        | 8.72 | 142 | 783526  | 46.320 | ng | 98     |
| 38) 1-Methylnaphthalene        | 8.82 | 142 | 744963  | 46.725 | ng | 99     |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.89 | 216 | 349981  | 43.933 | ng | 99     |

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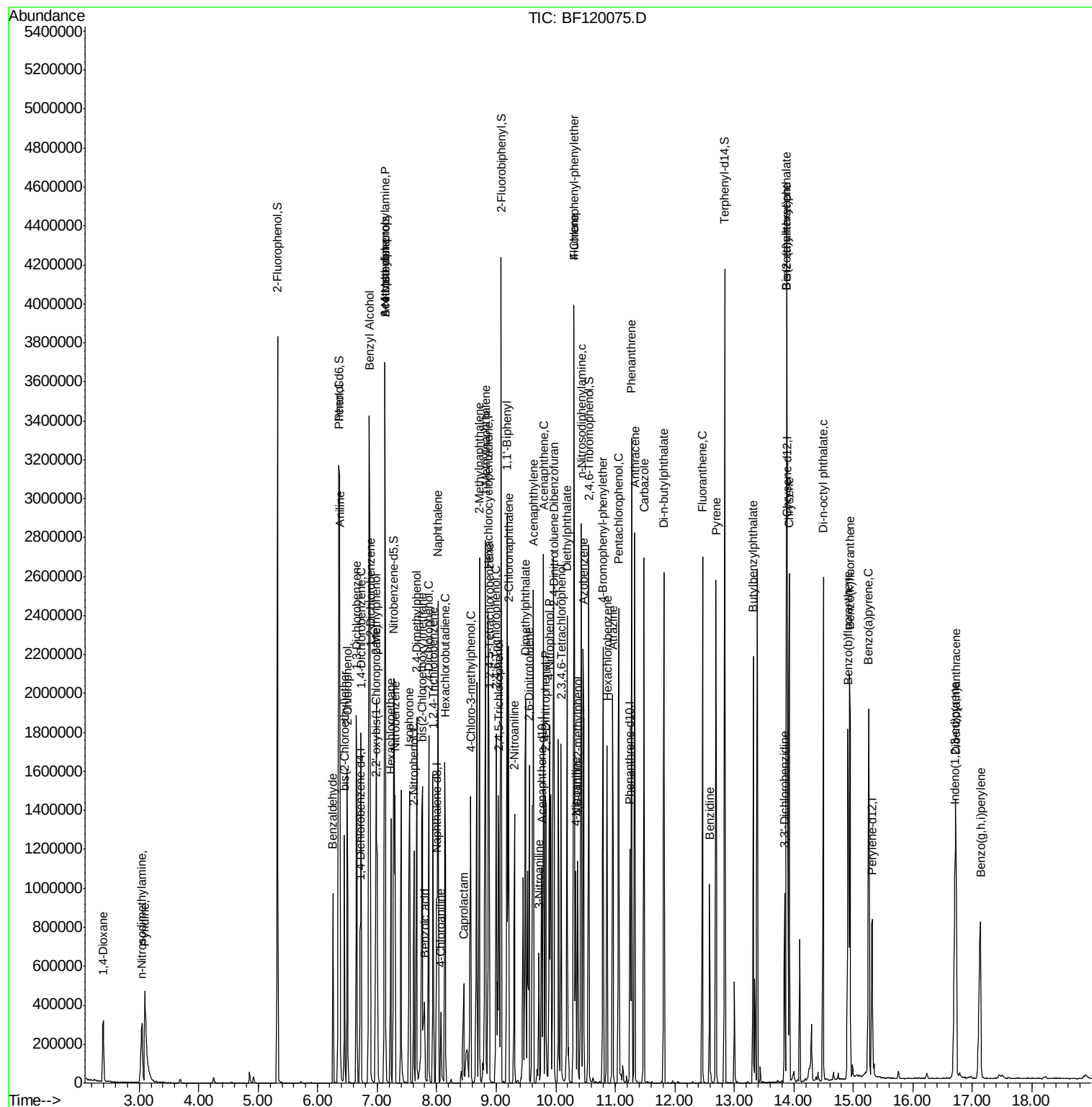
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 8.87  | 237  | 375342   | 82.859 | ng    | 100      |
| 43) 2,4,6-Trichlorophenol      | 9.00  | 196  | 244234   | 44.398 | ng    | 99       |
| 44) 2,4,5-Trichlorophenol      | 9.05  | 196  | 256422   | 41.386 | ng    | 94       |
| 46) 1,1'-Biphenyl              | 9.19  | 154  | 953014   | 44.766 | ng    | 99       |
| 47) 2-Chloronaphthalene        | 9.21  | 162  | 727602   | 44.366 | ng    | 100      |
| 48) 2-Nitroaniline             | 9.30  | 65   | 250444   | 42.140 | ng    | 98       |
| 49) Acenaphthylene             | 9.62  | 152  | 1148734  | 46.058 | ng    | 100      |
| 50) Dimethylphthalate          | 9.49  | 163  | 853847   | 43.767 | ng    | 99       |
| 51) 2,6-Dinitrotoluene         | 9.55  | 165  | 187748   | 43.947 | ng    | 90       |
| 52) Acenaphthene               | 9.80  | 154  | 691446   | 41.560 | ng    | 100      |
| 53) 3-Nitroaniline             | 9.72  | 138  | 90064    | 18.459 | ng    | 97       |
| 54) 2,4-Dinitrophenol          | 9.83  | 184  | 213491   | 83.469 | ng    | 99       |
| 55) Dibenzofuran               | 9.97  | 168  | 1050325  | 46.005 | ng    | 99       |
| 56) 4-Nitrophenol              | 9.90  | 139  | 305534   | 84.161 | ng    | 92       |
| 57) 2,4-Dinitrotoluene         | 9.96  | 165  | 245578   | 43.630 | ng    | 94       |
| 58) Fluorene                   | 10.31 | 166  | 814306   | 44.598 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol  | 10.09 | 232  | 212421   | 44.827 | ng    | 99       |
| 60) Diethylphthalate           | 10.19 | 149  | 876233   | 43.335 | ng    | 98       |
| 61) 4-Chlorophenyl-phenylether | 10.30 | 204  | 396877   | 42.409 | ng    | 98       |
| 62) 4-Nitroaniline             | 10.34 | 138  | 195673   | 42.081 | ng    | 96       |
| 63) Azobenzene                 | 10.46 | 77   | 823709   | 45.457 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylphenol | 10.37 | 198  | 140620   | 45.435 | ng    | 89       |
| 66) n-Nitrosodiphenylamine     | 10.43 | 169  | 720574   | 46.120 | ng    | 98       |
| 67) 4-Bromophenyl-phenylether  | 10.79 | 248  | 240564   | 41.176 | ng    | 96       |
| 68) Hexachlorobenzene          | 10.86 | 284  | 255165   | 43.053 | ng    | 95       |
| 69) Atrazine                   | 10.96 | 200  | 222139   | 51.101 | ng    | 99       |
| 70) Pentachlorophenol          | 11.06 | 266  | 266895   | 78.143 | ng    | 98       |
| 71) Phenanthrene               | 11.27 | 178  | 1144715  | 45.784 | ng    | 99       |
| 72) Anthracene                 | 11.33 | 178  | 1183957  | 46.354 | ng    | 99       |
| 73) Carbazole                  | 11.48 | 167  | 1048486  | 43.408 | ng    | 99       |
| 74) Di-n-butylphthalate        | 11.82 | 149  | 1205578  | 37.968 | ng    | 99       |
| 75) Fluoranthene               | 12.46 | 202  | 1041733  | 38.615 | ng    | 99       |
| 77) Benzidine                  | 12.59 | 184  | 384095   | 38.708 | ng    | 95       |
| 78) Pyrene                     | 12.69 | 202  | 1038899  | 41.981 | ng    | 99       |
| 80) Butylbenzylphthalate       | 13.32 | 149  | 480729   | 40.034 | ng    | 99       |
| 81) Benzo(a)anthracene         | 13.88 | 228  | 875601   | 45.340 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine     | 13.84 | 252  | 177296   | 24.605 | ng    | 96       |
| 83) Chrysene                   | 13.92 | 228  | 875284   | 44.606 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phthalate | 13.88 | 149  | 690779   | 42.480 | ng    | 99       |
| 85) Di-n-octyl phthalate       | 14.49 | 149  | 1173813  | 42.395 | ng    | 99       |
| 86) Indeno(1,2,3-cd)pyrene     | 16.70 | 276  | 902379   | 52.170 | ng    | 98       |
| 88) Benzo(b)fluoranthene       | 14.91 | 252  | 1006243  | 39.514 | ng    | 98       |
| 89) Benzo(k)fluoranthene       | 14.94 | 252  | 829336   | 37.745 | ng    | 97       |
| 90) Benzo(a)pyrene             | 15.26 | 252  | 966998   | 45.163 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene     | 16.73 | 278  | 742759   | 39.163 | ng    | 99       |
| 92) Benzo(g,h,i)perylene       | 17.13 | 276  | 706903   | 37.759 | ng    | 99       |

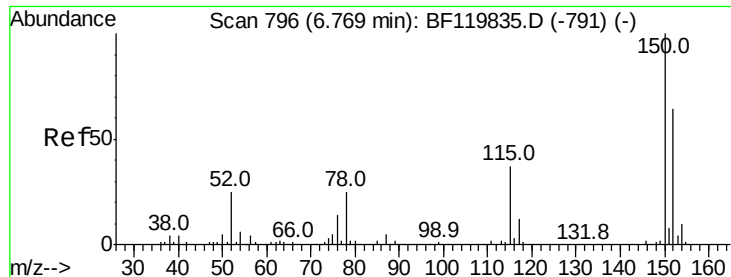
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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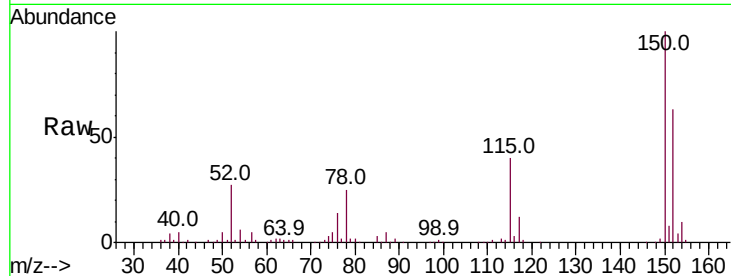


#1

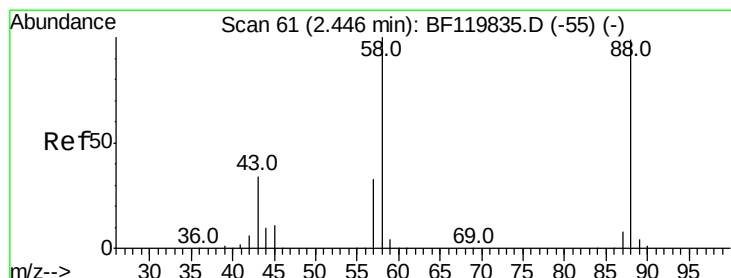
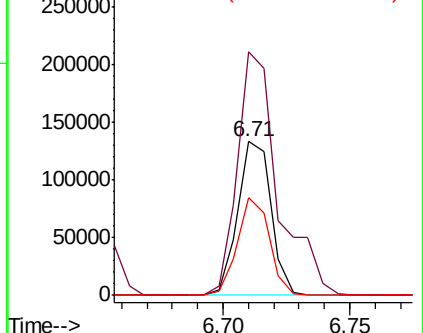
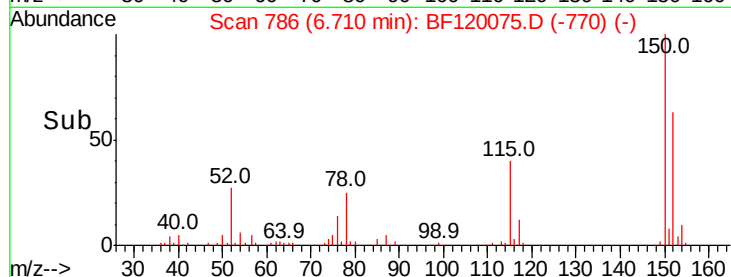
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.71 min Scan# 786  
 Delta R.T. -0.01 min  
 Lab File: BF120075.D  
 Acq: 20 Apr 2020 14:02

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB128301BS

Tot Ion:152 Resp: 121925  
 Ion Ratio Lower Upper  
 152 100  
 150 158.3 124.8 187.2  
 115 63.4 46.5 69.7



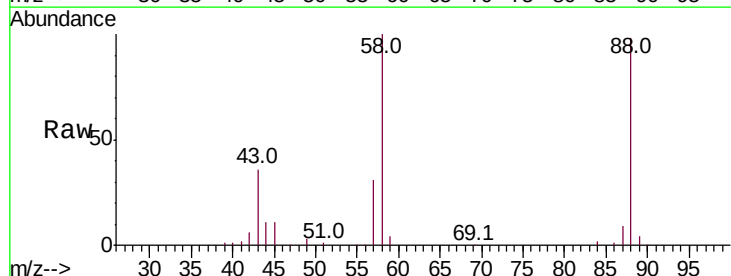
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



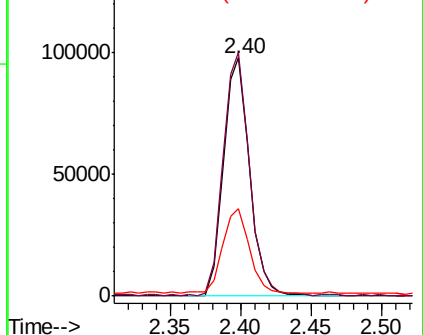
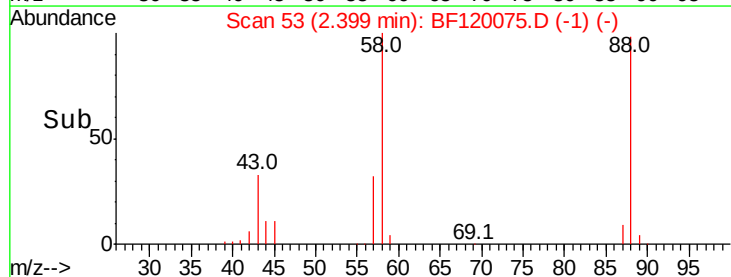
#2

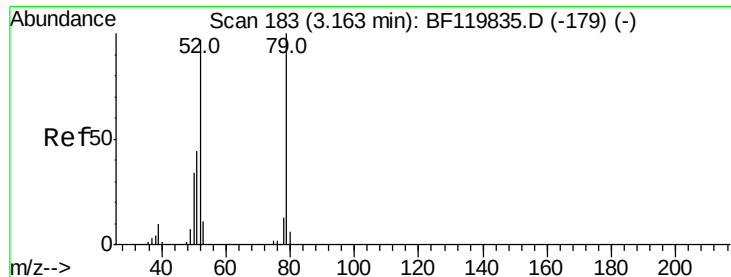
1,4-Dioxane  
 Concen: 39.805 ng  
 RT: 2.40 min Scan# 53  
 Delta R.T. 0.06 min  
 Lab File: BF120075.D  
 Acq: 20 Apr 2020 14:02

Tgt Ion: 88 Resp: 125081  
 Ion Ratio Lower Upper  
 88 100  
 58 103.7 82.6 123.8  
 43 36.6 28.6 42.8



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





#3

Pvridine

Concen: 41.055 ng

RT: 3.10 min Scan# 172

Delta R.T. 0.06 min

Lab File: BF120075.D

Acq: 20 Apr 2020 14:02

Instrument :

BNA\_F

ClientSampleId :

PB128301BS

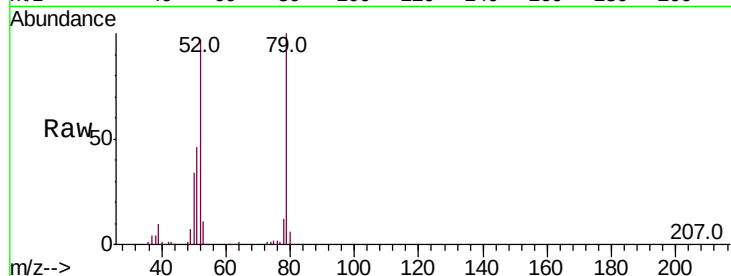
Tot Ion: 79 Resp: 353958

Ion Ratio Lower Upper

79 100

52 97.5 77.4 116.0

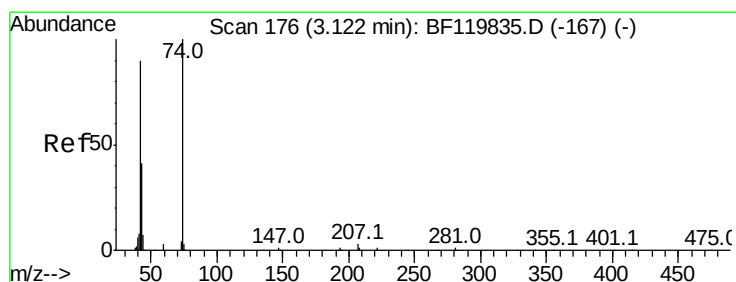
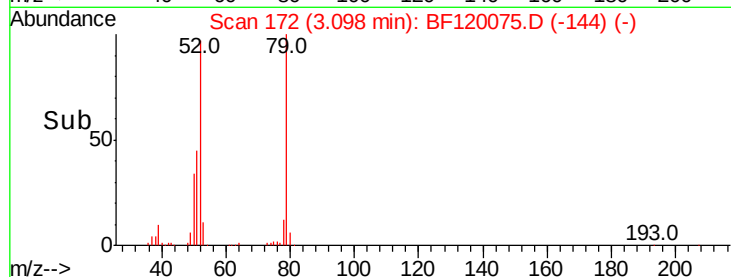
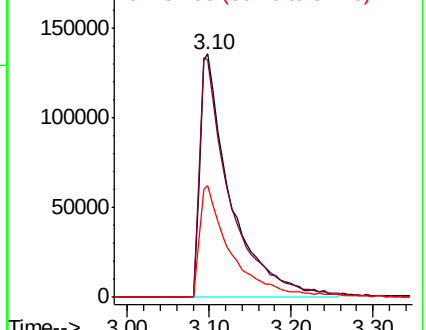
51 45.7 35.3 52.9



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 52.00 (51.70 to 52.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 46.231 ng

RT: 3.05 min Scan# 164

Delta R.T. 0.05 min

Lab File: BF120075.D

Acq: 20 Apr 2020 14:02

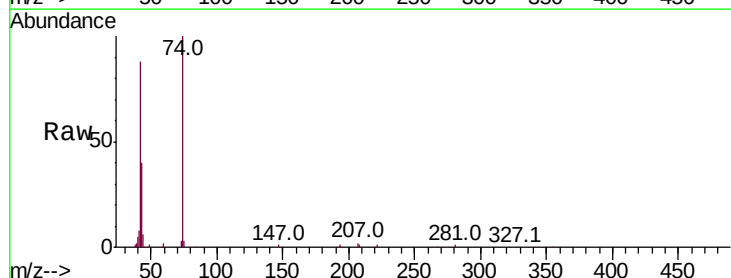
Tgt Ion: 42 Resp: 203648

Ion Ratio Lower Upper

42 100

74 113.0 89.0 133.4

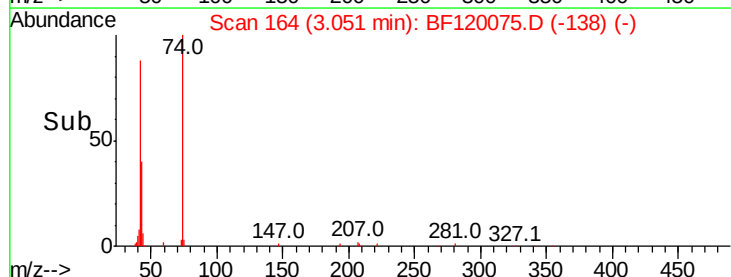
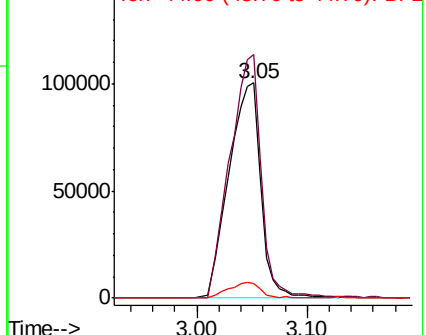
44 6.9 6.2 9.4

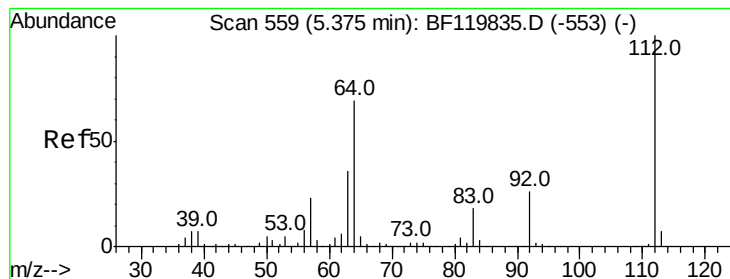


Abundance Ion 42.00 (41.70 to 42.70): BF1

Ion 74.00 (73.70 to 74.70): BF1

Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 138.945 ng

RT: 5.33 min Scan# 551

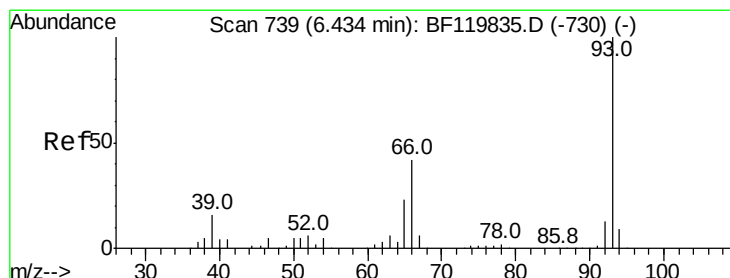
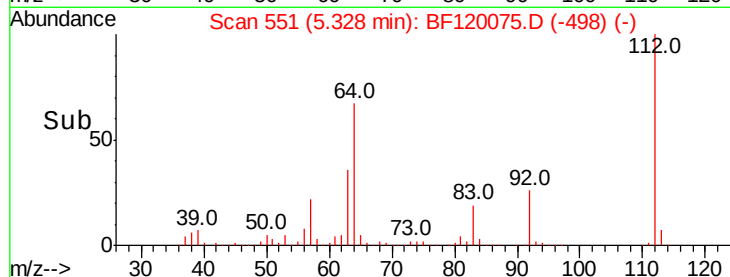
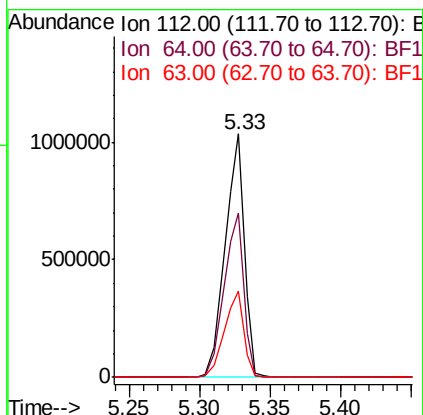
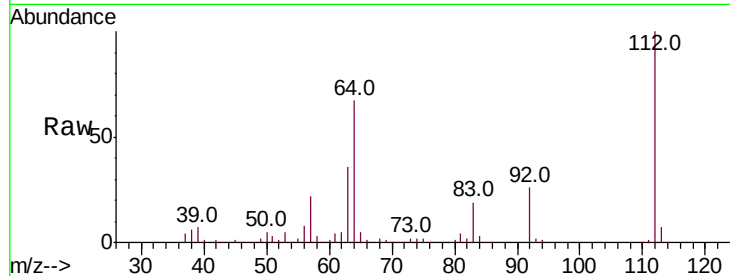
Delta R.T. 0.01 min

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|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 112   | Resp: | 980268 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 64       | 67.5  | 55.5  | 83.3   |
| 63       | 35.7  | 29.1  | 43.7   |



#6

Aniline

Concen: 25.934 ng

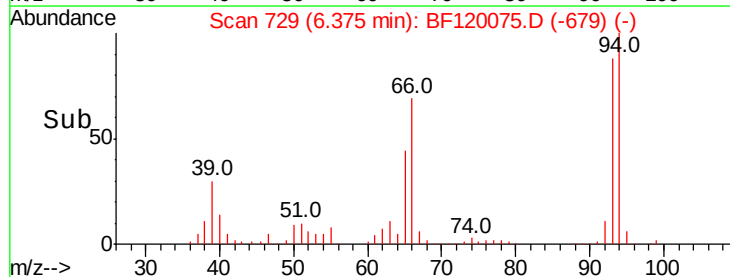
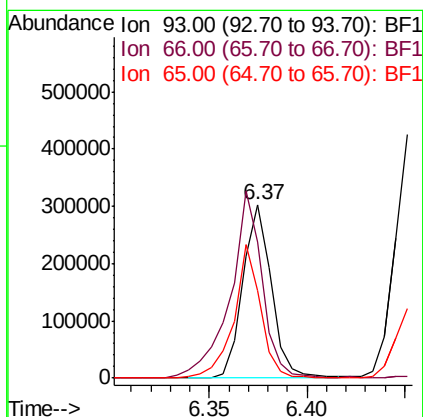
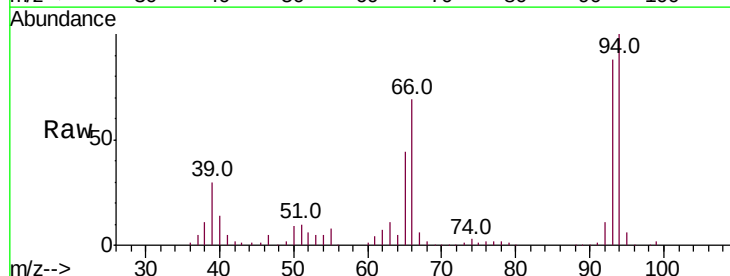
RT: 6.37 min Scan# 729

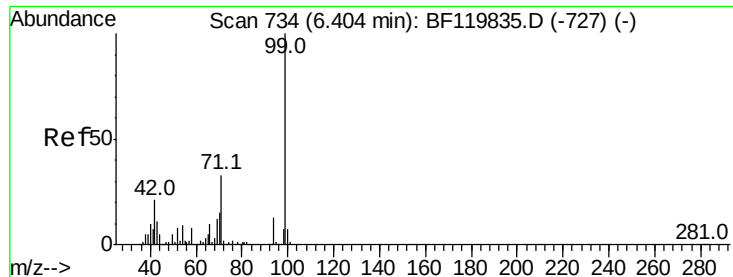
Delta R.T. -0.01 min

Lab File: BF120075.D

Acq: 20 Apr 2020 14:02

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 93    | Resp: | 309441 |
| Ion      | Ratio | Lower | Upper  |
| 93       | 100   |       |        |
| 66       | 78.5  | 34.2  | 51.2#  |
| 65       | 50.3  | 18.3  | 27.5#  |





#7

Phenol-d6

Concen: 140.499 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF120075.D

Acq: 20 Apr 2020 14:02

Instrument :

BNA\_F

ClientSampleId :

PB128301BS

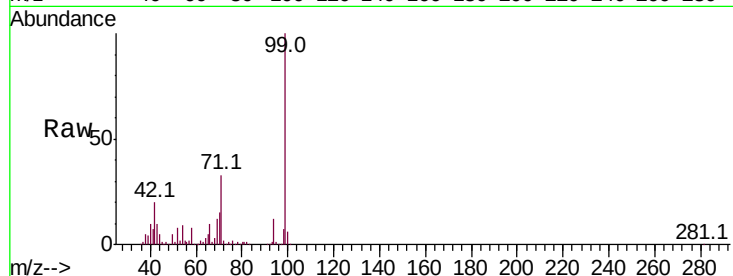
Tot Ion: 99 Resp: 1277255

Ion Ratio Lower Upper

99 100

42 20.4 16.9 25.3

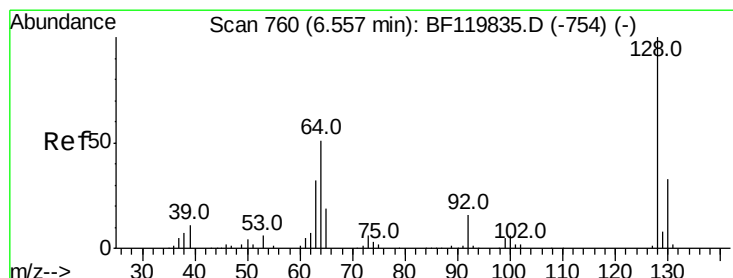
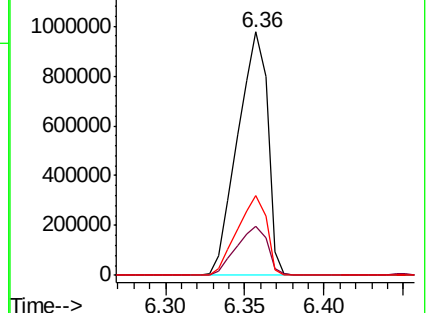
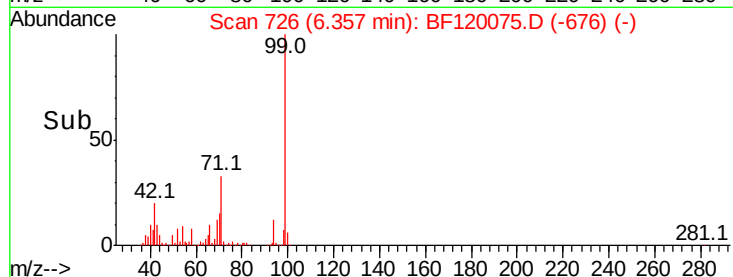
71 32.9 26.3 39.5



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 50.908 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF120075.D

Acq: 20 Apr 2020 14:02

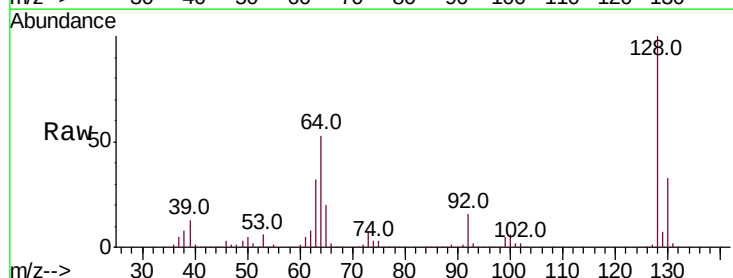
Tgt Ion:128 Resp: 401299

Ion Ratio Lower Upper

128 100

130 32.9 12.6 52.6

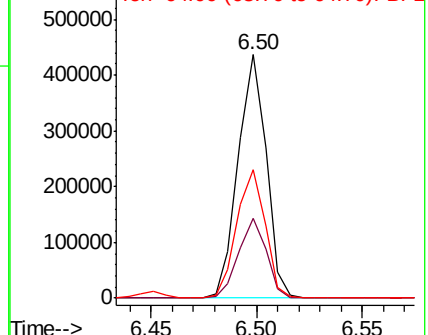
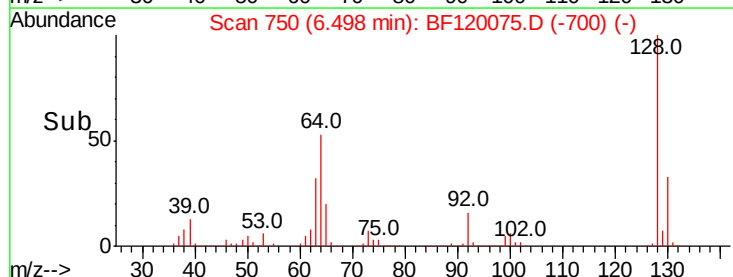
64 52.5 32.0 72.0



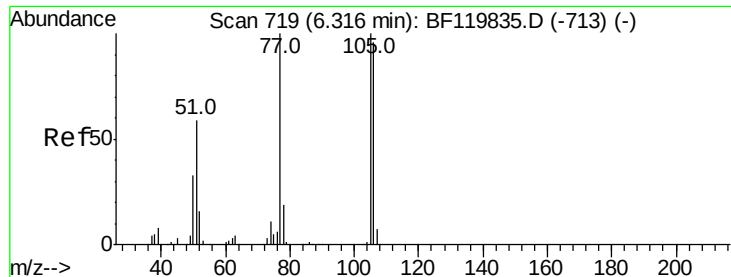
Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1







#9

Benzaldehyde

Concen: 31.161 ng

RT: 6.26 min Scan# 709

Delta R.T. -0.01 min

Lab File: BF120075.D

Acq: 20 Apr 2020 14:02

Instrument :

BNA\_F

ClientSampleID :

PB128301BS

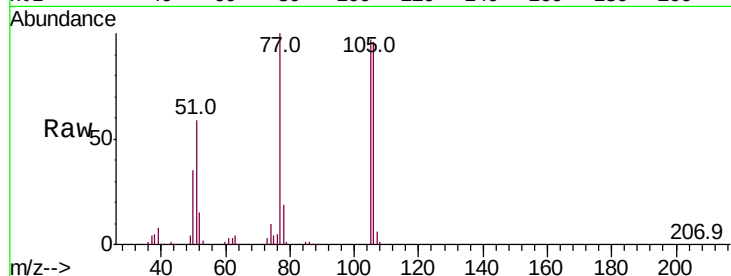
Tot Ion: 77 Resp: 167404

Ion Ratio Lower Upper

77 100

105 97.2 79.9 119.9

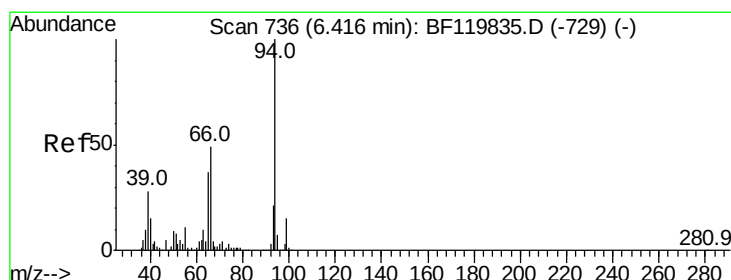
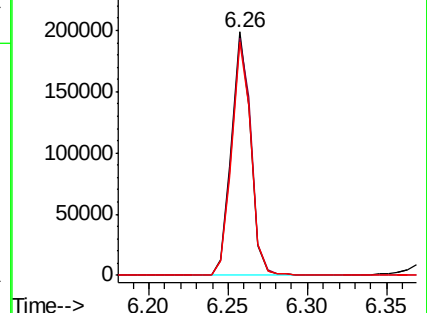
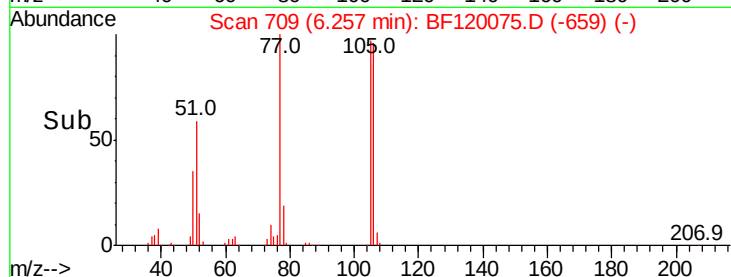
106 95.8 76.4 116.4



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 48.299 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF120075.D

Acq: 20 Apr 2020 14:02

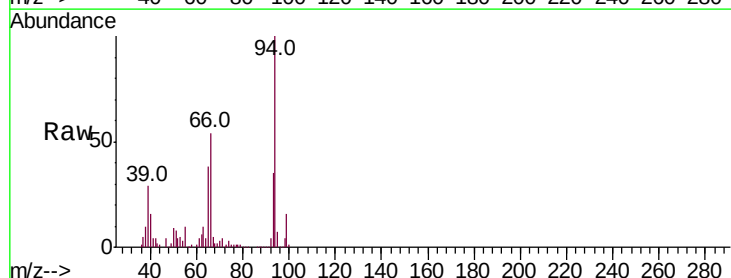
Tgt Ion: 94 Resp: 498131

Ion Ratio Lower Upper

94 100

65 38.3 16.6 56.6

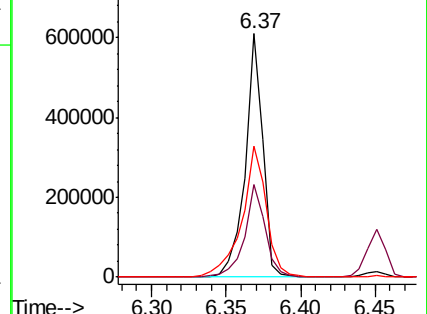
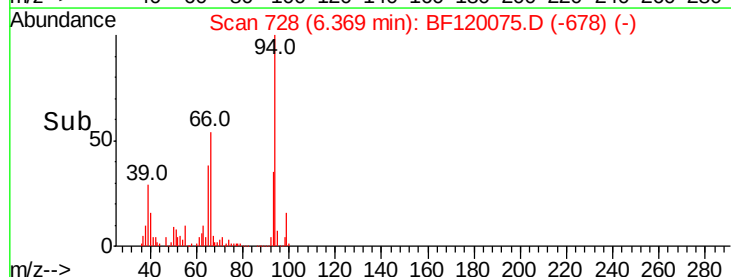
66 53.6 29.3 69.3



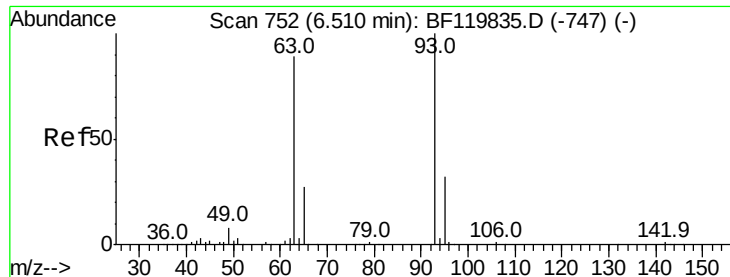
Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1







#11

bis(2-Chloroethyl)ether

Concen: 46.975 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF120075.D

Acq: 20 Apr 2020 14:02

Instrument :

BNA\_F

ClientSampleId :

PB128301BS

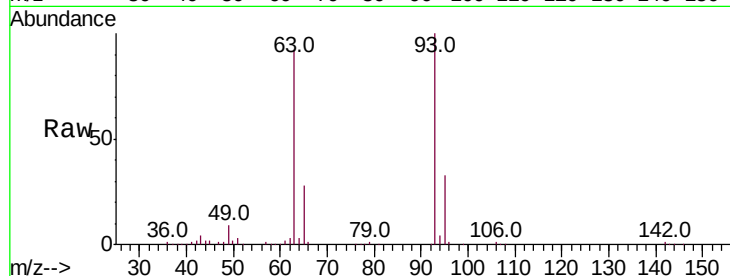
Tot Ion: 93 Resp: 374073

Ion Ratio Lower Upper

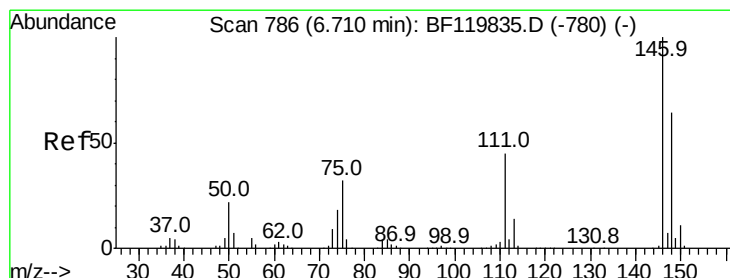
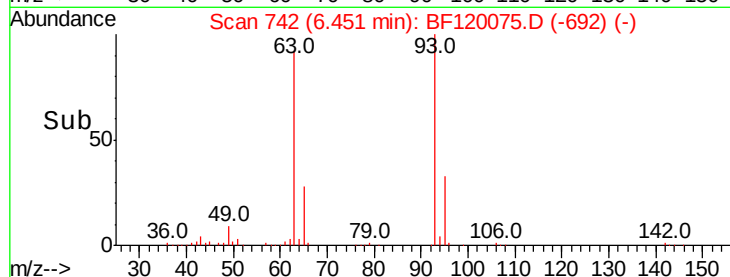
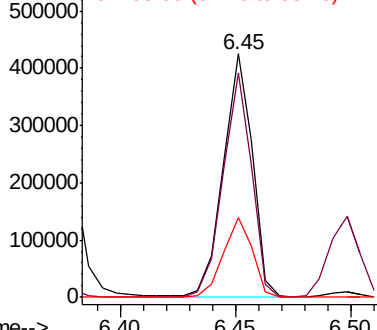
93 100

63 92.1 69.1 109.1

95 32.7 12.3 52.3



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



#12

1,3-Dichlorobenzene

Concen: 46.660 ng

RT: 6.65 min Scan# 776

Delta R.T. -0.01 min

Lab File: BF120075.D

Acq: 20 Apr 2020 14:02

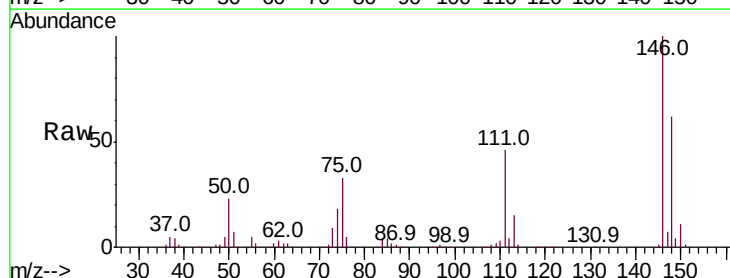
Tgt Ion: 146 Resp: 402682

Ion Ratio Lower Upper

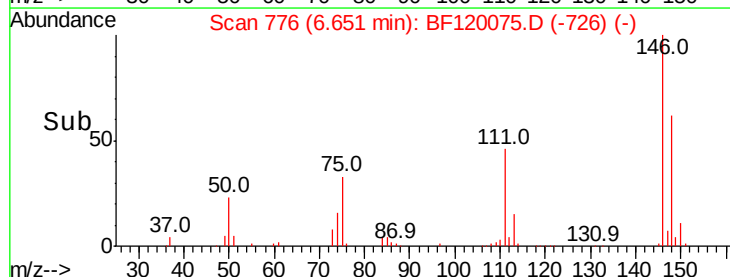
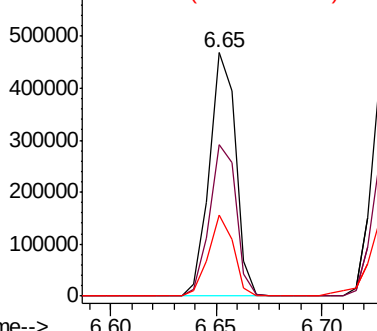
146 100

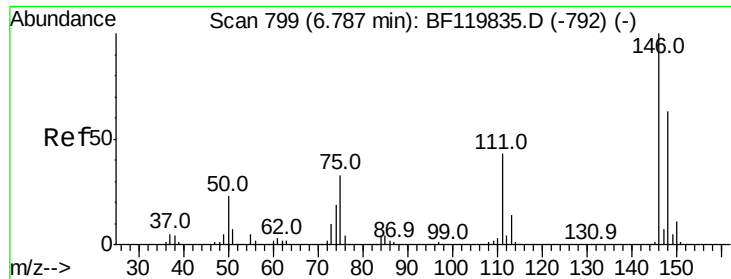
148 62.1 51.3 76.9

75 33.4 25.3 37.9



Abundance Ion 146.00 (145.70 to 146.70): E  
Ion 148.00 (147.70 to 148.70): E  
Ion 75.00 (74.70 to 75.70): BF1

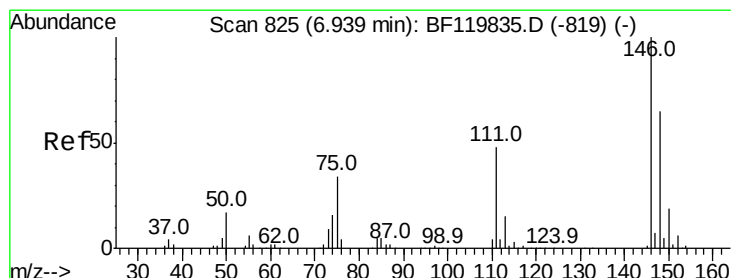
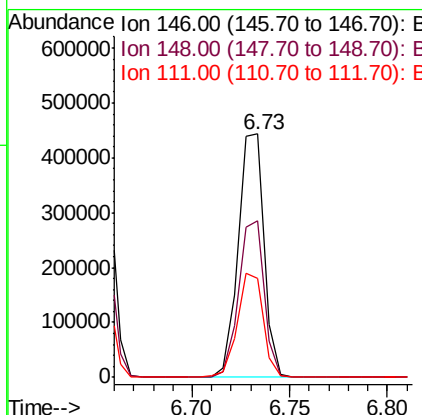
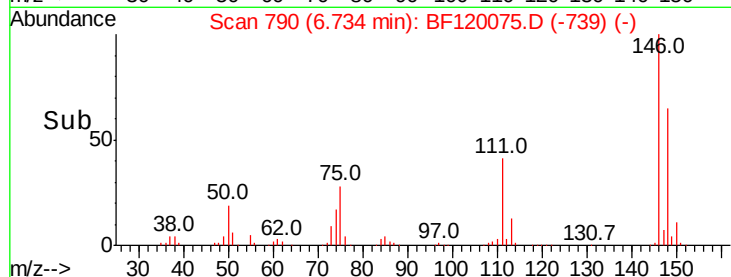
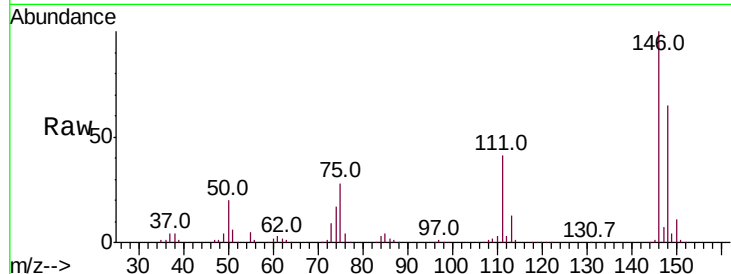




#13  
 1,4-Dichlorobenzene  
 Concen: 46.330 ng  
 RT: 6.73 min Scan# 790  
 Delta R.T. 0.00 min  
 Lab File: BF120075.D  
 Acq: 20 Apr 2020 14:02

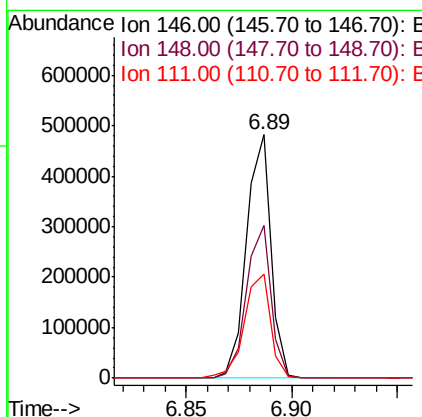
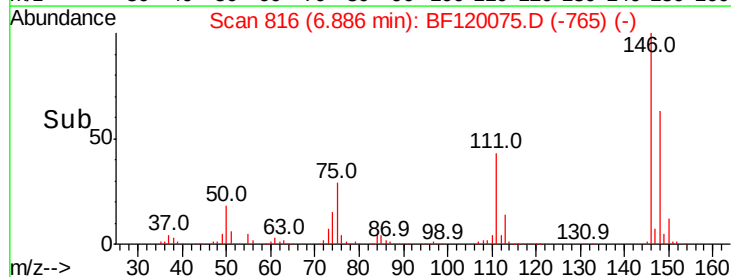
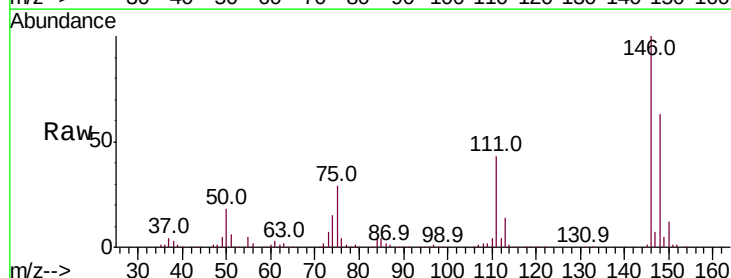
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB128301BS

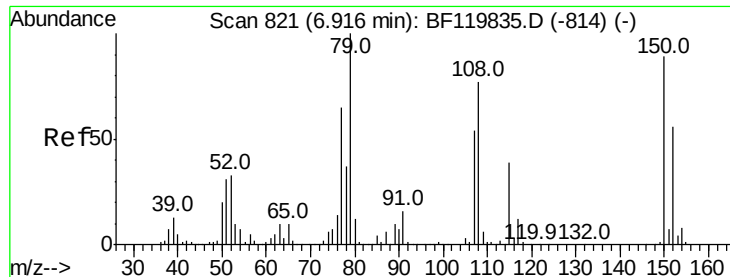
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 64.5  | 50.5  | 75.7  |
| 111     | 40.8  | 34.7  | 52.1  |



#14  
 1,2-Dichlorobenzene  
 Concen: 47.692 ng  
 RT: 6.89 min Scan# 816  
 Delta R.T. 0.00 min  
 Lab File: BF120075.D  
 Acq: 20 Apr 2020 14:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 62.6  | 51.8  | 77.8  |
| 111     | 43.0  | 38.0  | 57.0  |

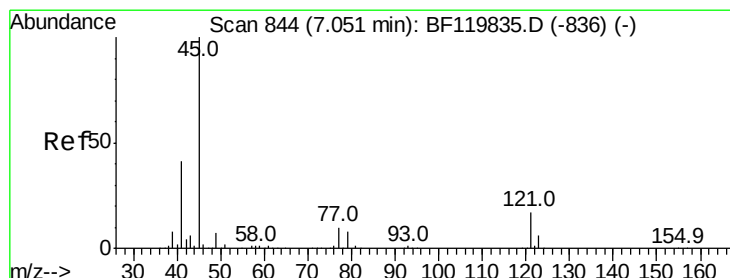
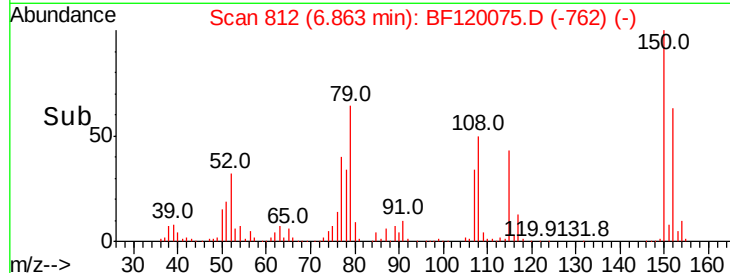
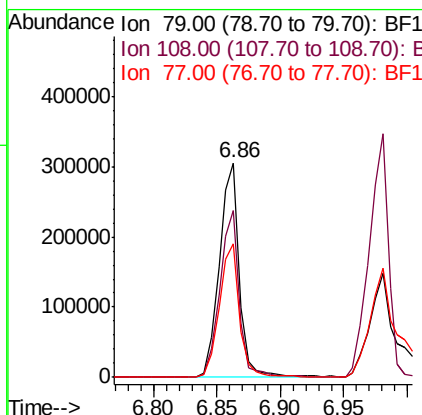
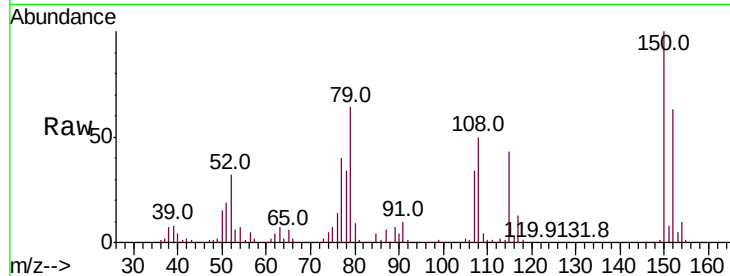




#15  
Benzyl Alcohol  
Concen: 47.754 ng  
RT: 6.86 min Scan# 812  
Delta R.T. -0.01 min  
Lab File: BF120075.D  
Acq: 20 Apr 2020 14:02

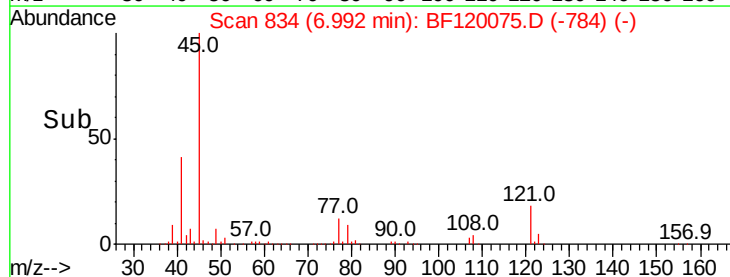
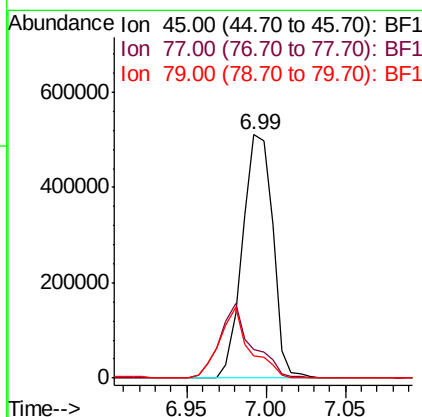
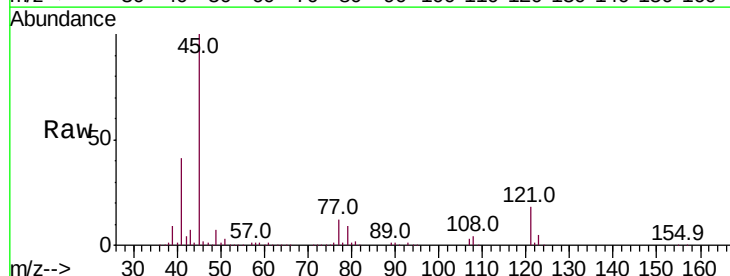
Instrument :  
BNA\_F  
ClientSampleId :  
PB128301BS

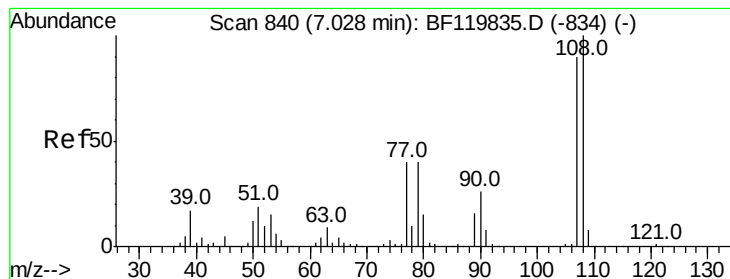
Tot Ion: 79 Resp: 337183  
Ion Ratio Lower Upper  
79 100  
108 77.9 62.0 93.0  
77 62.3 51.8 77.6



#16  
2,2'-oxybis(1-chloropropane)  
Concen: 43.742 ng  
RT: 6.99 min Scan# 834  
Delta R.T. -0.01 min  
Lab File: BF120075.D  
Acq: 20 Apr 2020 14:02

Tgt Ion: 45 Resp: 677829  
Ion Ratio Lower Upper  
45 100  
77 11.9 0.0 30.7  
79 9.4 0.0 28.6





#17

2-Methylphenol

Concen: 46.252 ng

RT: 6.98 min Scan# 832

Delta R.T. -0.01 min

Lab File: BF120075.D

Acq: 20 Apr 2020 14:02

Instrument :

BNA\_F

ClientSampleId :

PB128301BS

Tot Ion:107 Resp: 325372

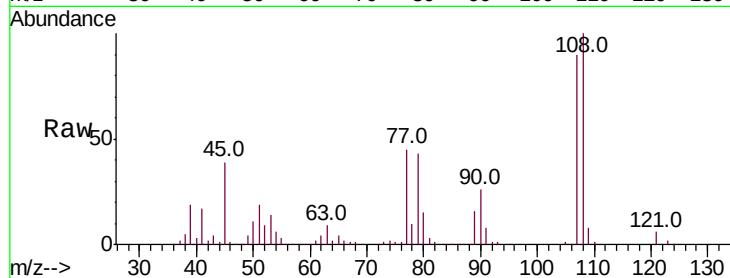
Ion Ratio Lower Upper

107 100

108 110.8 88.8 133.2

77 49.7 36.0 54.0

79 47.3 35.7 53.5

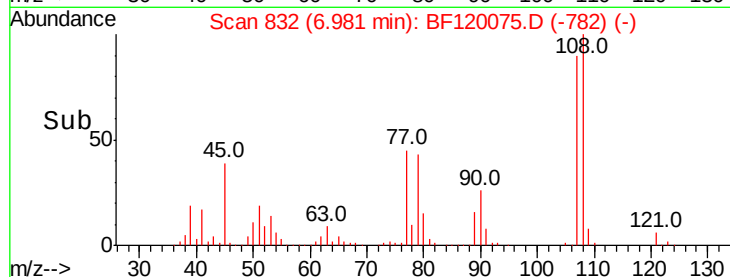


Abundance Ion 107.00 (106.70 to 107.70): E

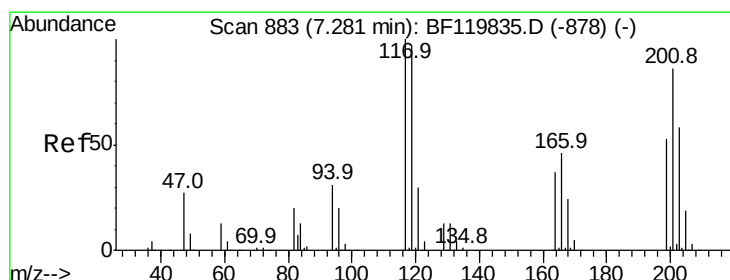
Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



Time-->



#18

Hexachloroethane

Concen: 46.317 ng

RT: 7.23 min Scan# 874

Delta R.T. 0.00 min

Lab File: BF120075.D

Acq: 20 Apr 2020 14:02

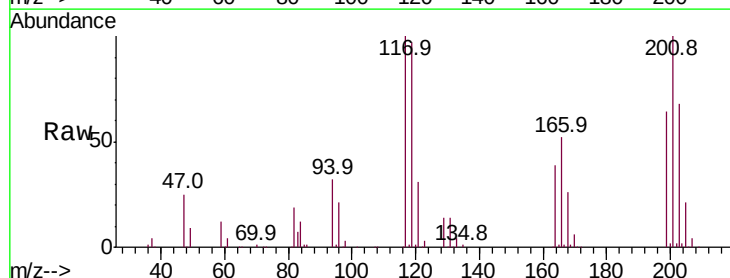
Tgt Ion:117 Resp: 152173

Ion Ratio Lower Upper

117 100

119 97.0 77.4 116.0

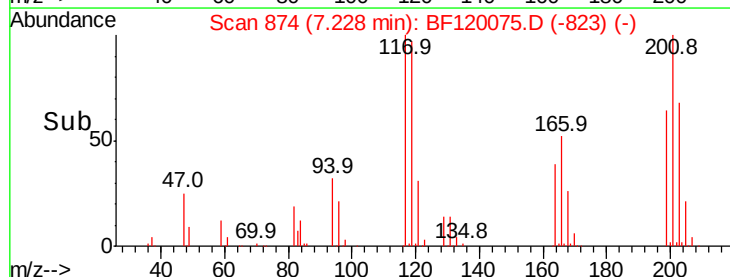
201 99.5 68.4 102.6



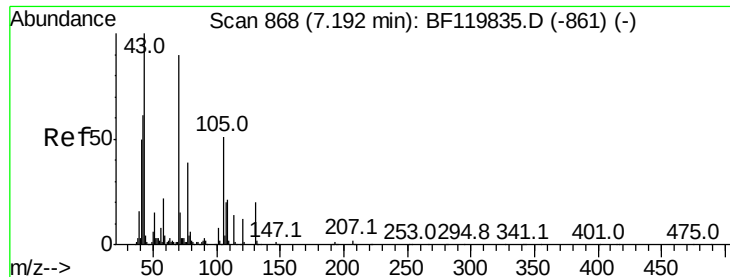
Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



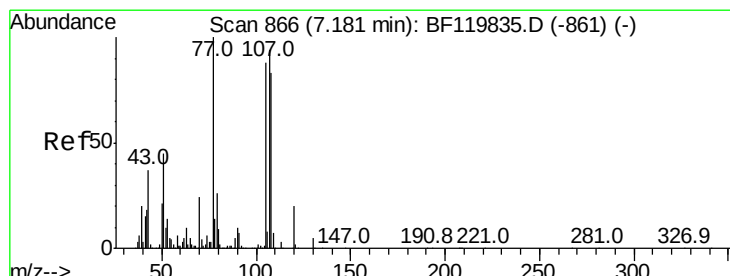
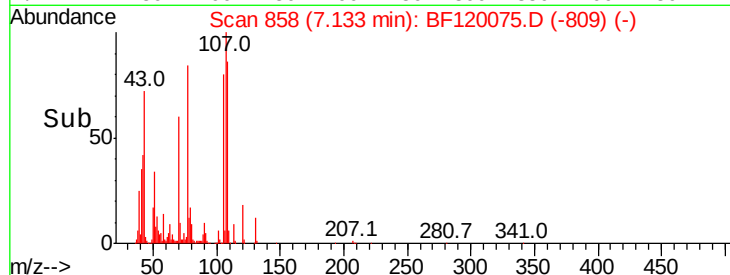
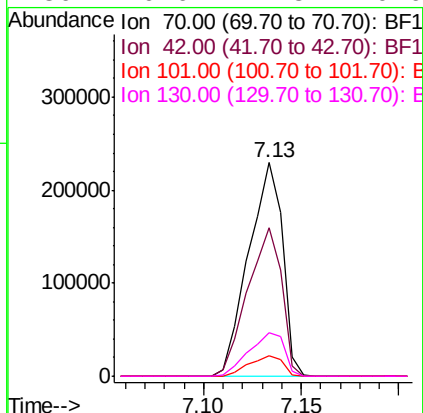
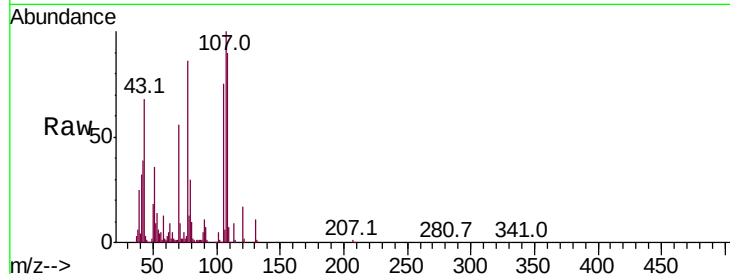
Time-->



#19  
n-Nitroso-di-n-propylamine  
Concen: 47.390 ng  
RT: 7.13 min Scan# 858  
Delta R.T. -0.01 min  
Lab File: BF120075.D  
Acq: 20 Apr 2020 14:02

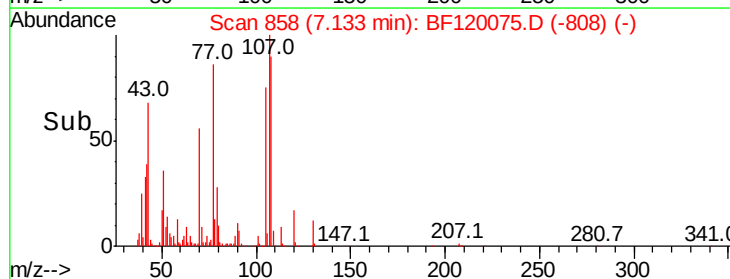
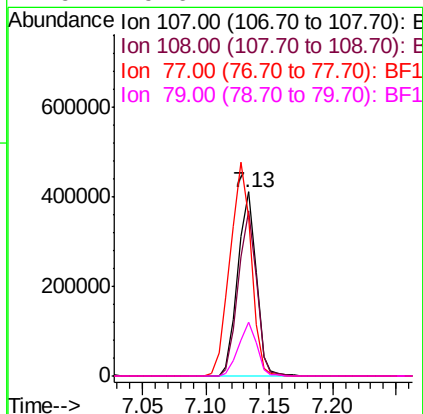
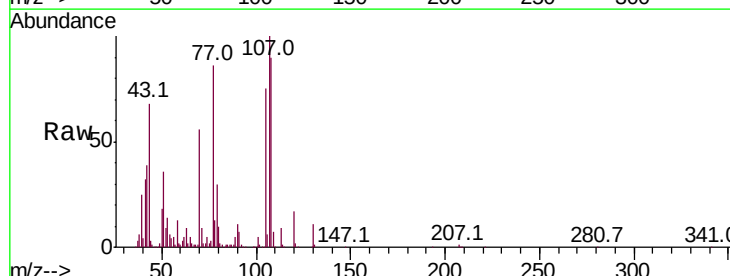
Instrument :  
BNA\_F  
ClientSampleId :  
PB128301BS

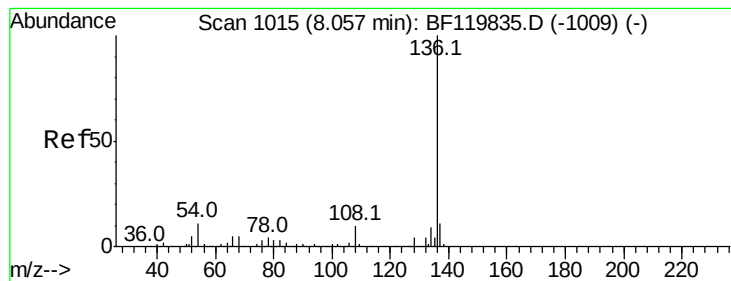
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 70    | Resp: | 277036 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 69.8  | 54.2  | 81.4   |
| 101      | 9.7   | 7.4   | 11.2   |
| 130      | 20.6  | 17.8  | 26.6   |



#20  
3+4-Methylphenols  
Concen: 48.013 ng  
RT: 7.13 min Scan# 858  
Delta R.T. -0.01 min  
Lab File: BF120075.D  
Acq: 20 Apr 2020 14:02

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 413095 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 89.8  | 68.2  | 108.2  |
| 77       | 86.3  | 86.6  | 126.6# |
| 79       | 29.6  | 7.7   | 47.7   |





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1005

Delta R.T. -0.01 min

Lab File: BF120075.D

Acq: 20 Apr 2020 14:02

Instrument :

BNA\_F

ClientSampleId :

PB128301BS

Tot Ion:136 Resp: 474218

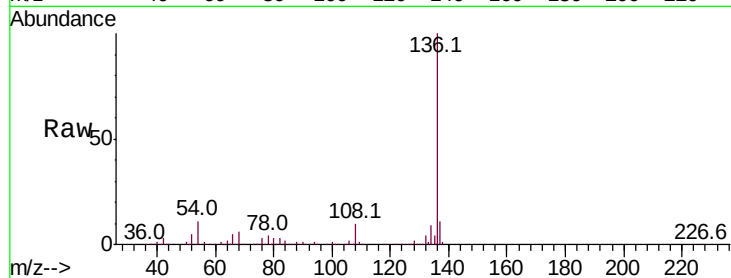
Ion Ratio Lower Upper

136 100

137 11.3 8.7 13.1

54 10.9 8.5 12.7

68 5.5 3.9 5.9

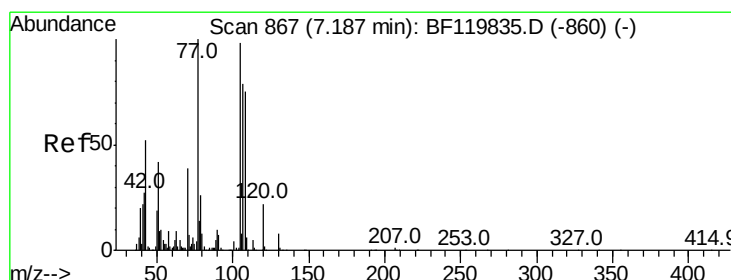
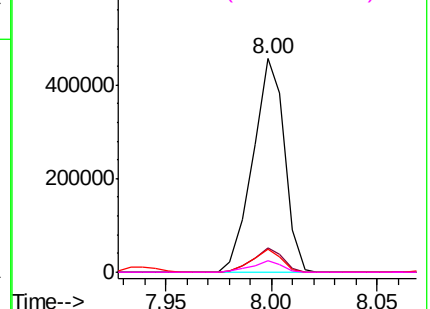
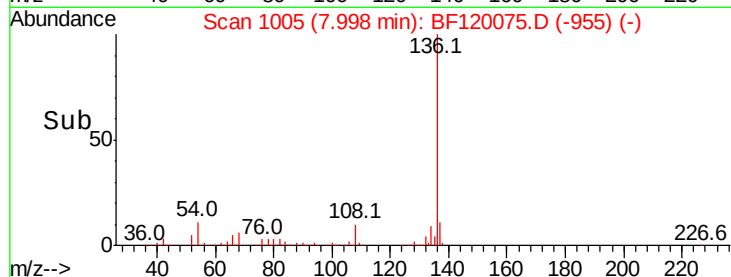


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 48.462 ng

RT: 7.13 min Scan# 857

Delta R.T. -0.01 min

Lab File: BF120075.D

Acq: 20 Apr 2020 14:02

Tgt Ion:105 Resp: 538152

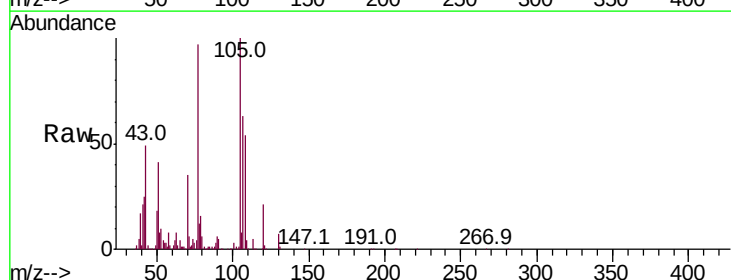
Ion Ratio Lower Upper

105 100

71 5.6 5.6 8.4#

51 40.7 33.9 50.9

120 21.2 17.8 26.8

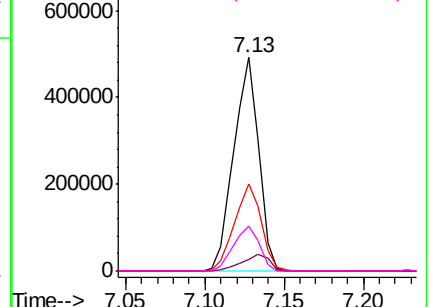
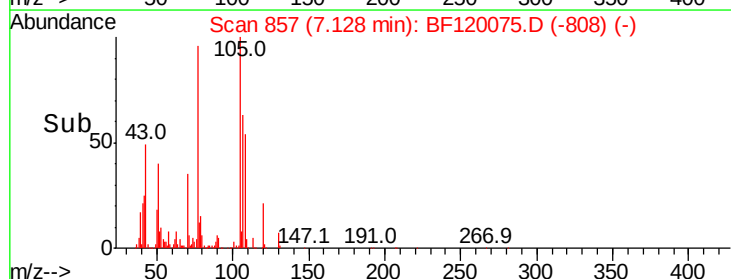


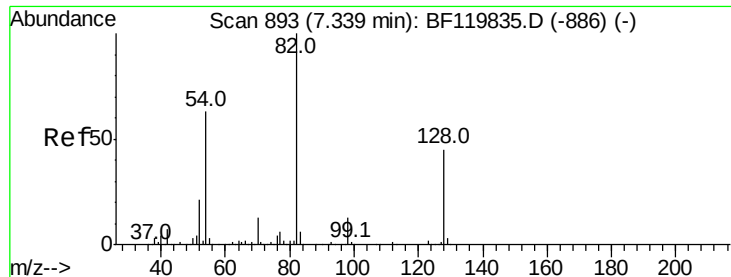
Abundance Ion 105.00 (104.70 to 105.70): E

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

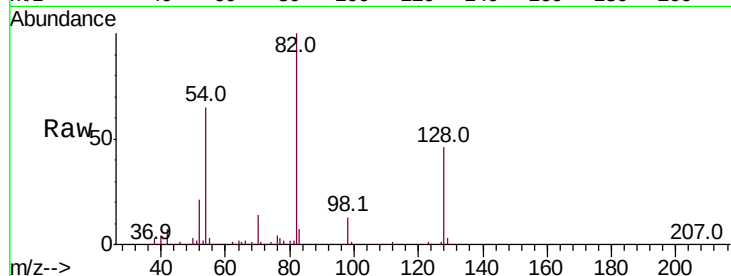




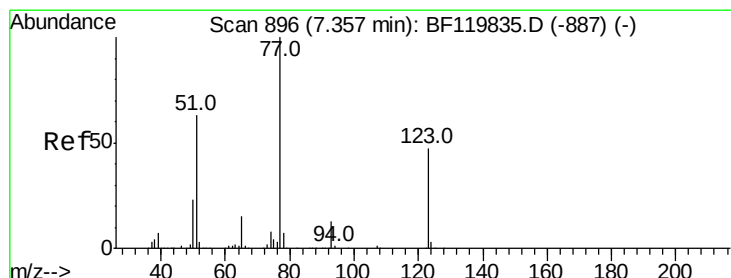
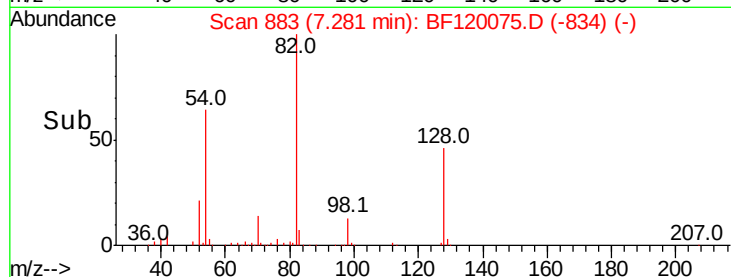
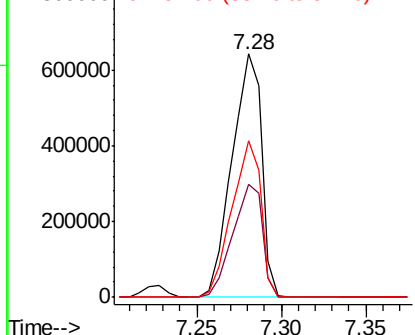
#23  
 Nitrobenzene-d5  
 Concen: 85.702 ng  
 RT: 7.28 min Scan# 883  
 Delta R.T. -0.01 min  
 Lab File: BF120075.D  
 Acq: 20 Apr 2020 14:02

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB128301BS

| Tot Ion   | 82   | Resp  | 785595 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 46.3 | 36.2  | 54.4   |
| 54        | 64.5 | 50.4  | 75.6   |

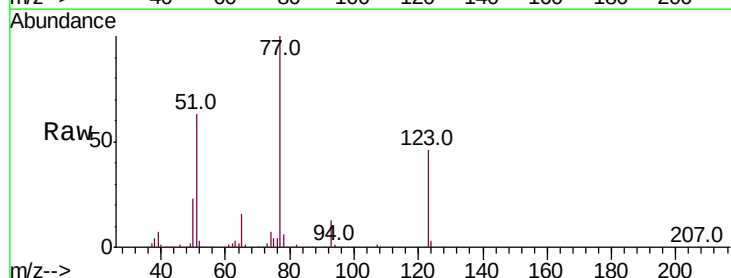


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

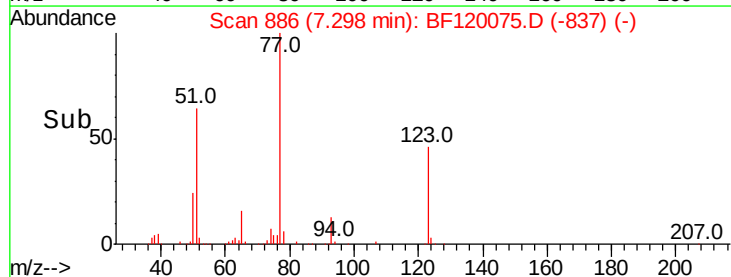
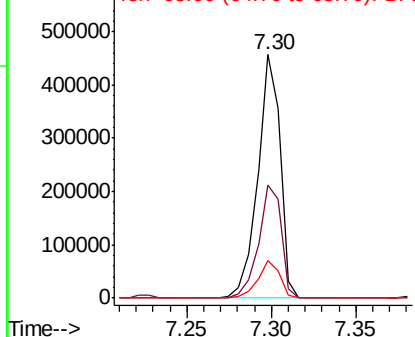


#24  
 Nitrobenzene  
 Concen: 45.723 ng  
 RT: 7.30 min Scan# 886  
 Delta R.T. -0.01 min  
 Lab File: BF120075.D  
 Acq: 20 Apr 2020 14:02

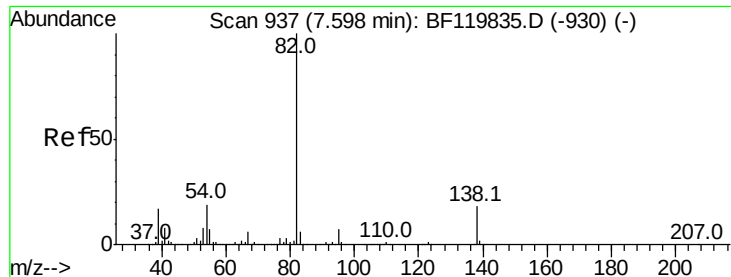
| Tgt Ion   | 77   | Resp  | 421621 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 123       | 46.5 | 37.8  | 56.8   |
| 65        | 15.5 | 12.2  | 18.2   |



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







#25

Isophorone

Concen: 43.464 ng

RT: 7.54 min Scan# 927

Delta R.T. -0.01 min

Lab File: BF120075.D

Acq: 20 Apr 2020 14:02

Instrument :

BNA\_F

ClientSampleId :

PB128301BS

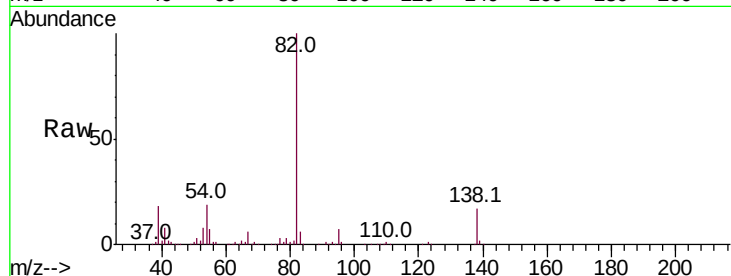
Tot Ion: 82 Resp: 768021

Ion Ratio Lower Upper

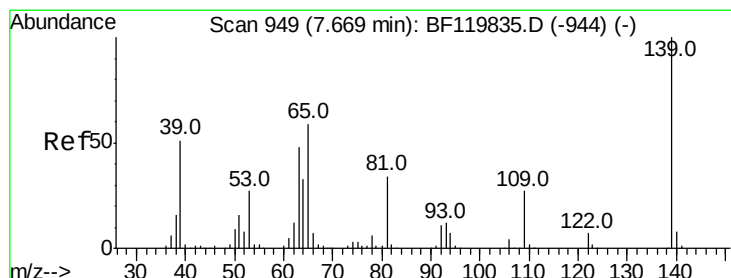
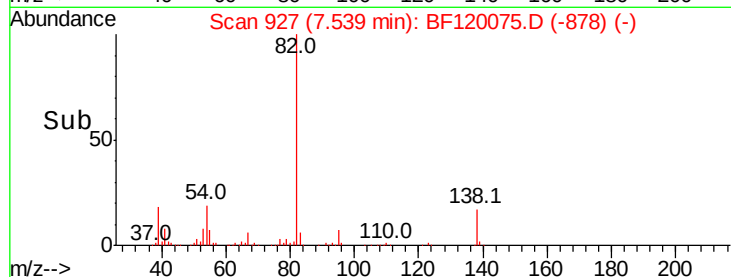
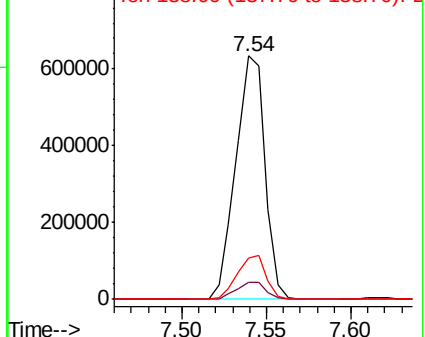
82 100

95 7.0 5.8 8.6

138 17.2 14.5 21.7



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



#26

2-Nitrophenol

Concen: 47.096 ng

RT: 7.62 min Scan# 940

Delta R.T. -0.01 min

Lab File: BF120075.D

Acq: 20 Apr 2020 14:02

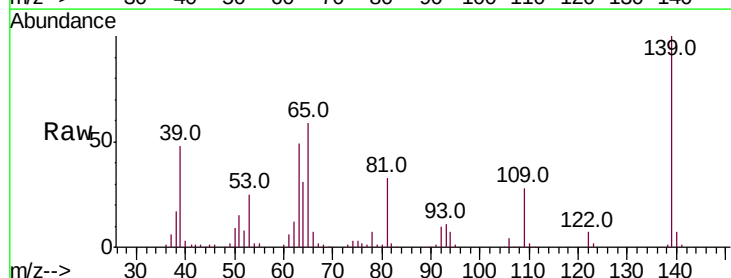
Tgt Ion: 139 Resp: 216968

Ion Ratio Lower Upper

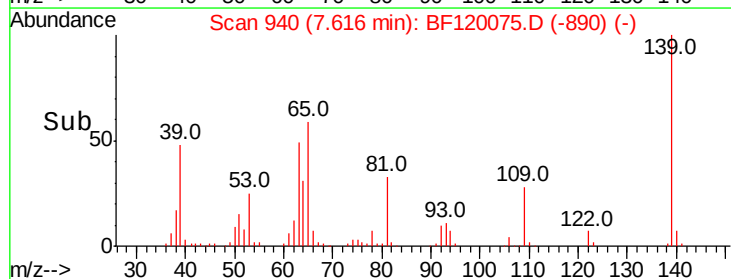
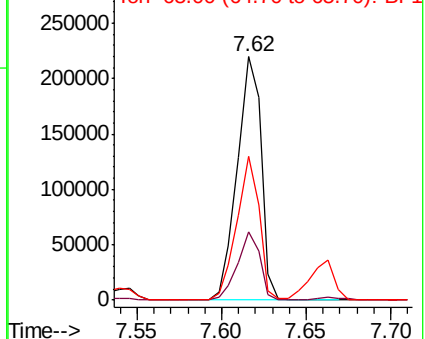
139 100

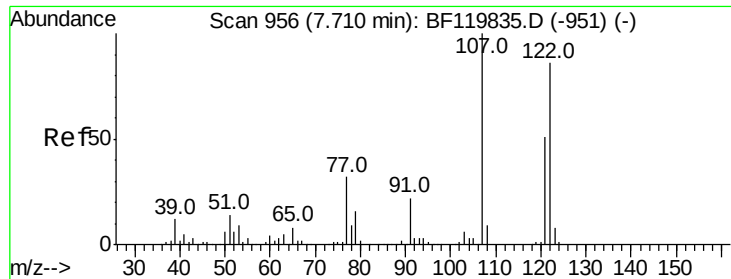
109 28.1 21.8 32.6

65 58.9 47.0 70.4



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

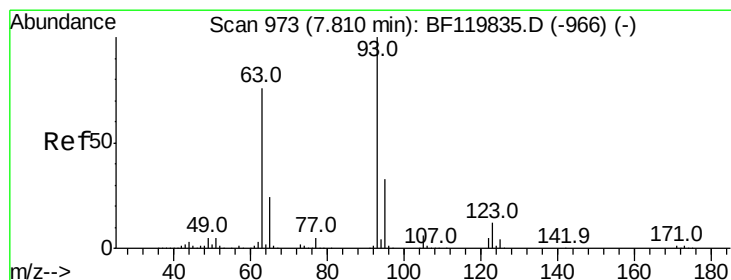
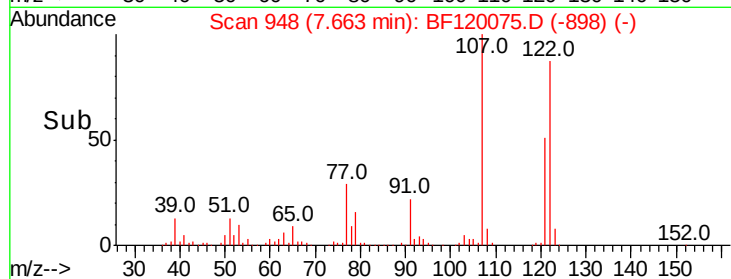
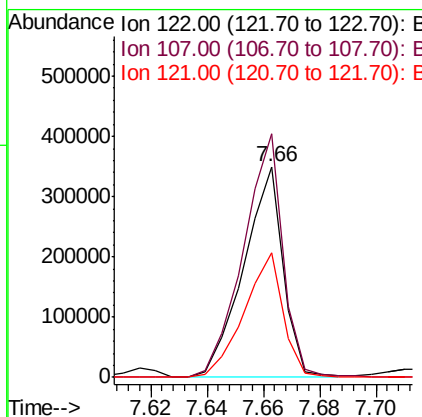
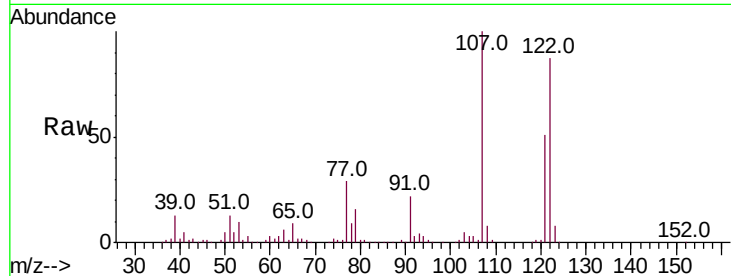




#27  
 2,4-Dimethylphenol  
 Concen: 49.074 ng  
 RT: 7.66 min Scan# 948  
 Delta R.T. -0.01 min  
 Lab File: BF120075.D  
 Acq: 20 Apr 2020 14:02

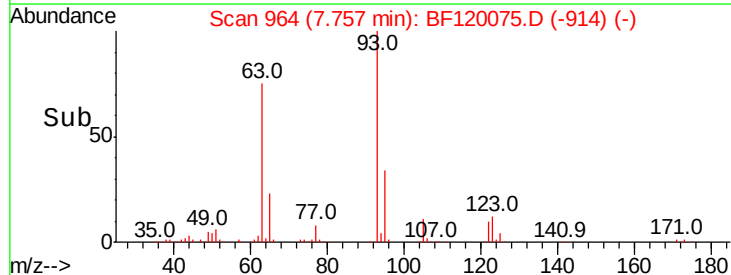
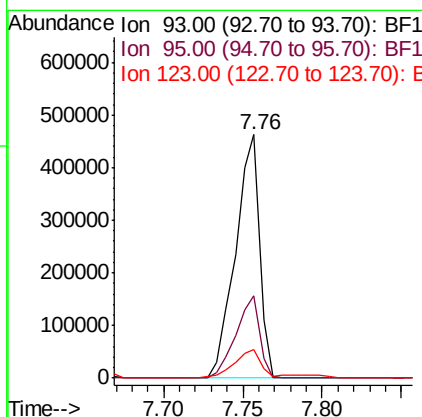
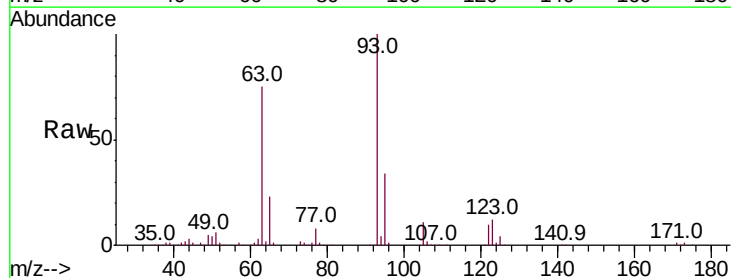
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB128301BS

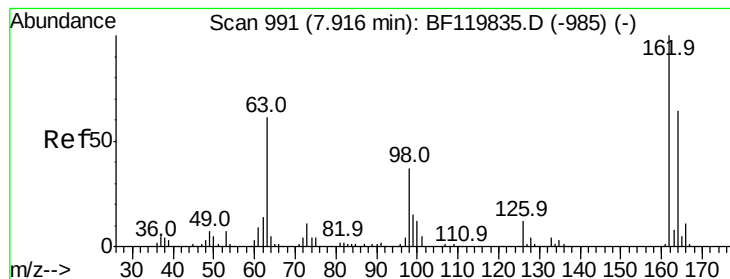
Tot Ion:122 Resp: 340973  
 Ion Ratio Lower Upper  
 122 100  
 107 115.5 92.3 138.5  
 121 59.1 46.6 70.0



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 46.680 ng  
 RT: 7.76 min Scan# 964  
 Delta R.T. -0.01 min  
 Lab File: BF120075.D  
 Acq: 20 Apr 2020 14:02

Tgt Ion: 93 Resp: 485379  
 Ion Ratio Lower Upper  
 93 100  
 95 33.7 26.4 39.6  
 123 12.0 9.7 14.5





#29

2,4-Dichlorophenol

Concen: 46.758 ng

RT: 7.86 min Scan# 982

Delta R.T. -0.01 min

Lab File: BF120075.D

Acq: 20 Apr 2020 14:02

Instrument :

BNA\_F

ClientSampleId :

PB128301BS

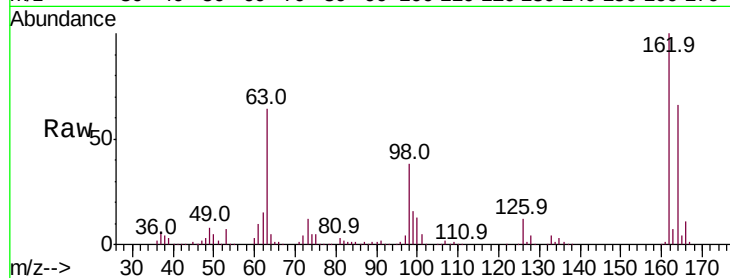
Tot Ion:162 Resp: 333006

Ion Ratio Lower Upper

162 100

164 65.6 44.4 84.4

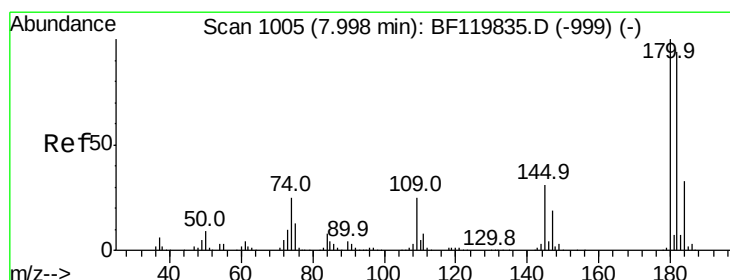
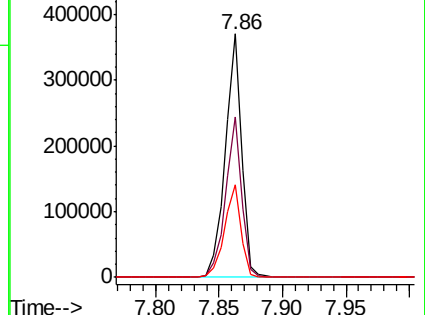
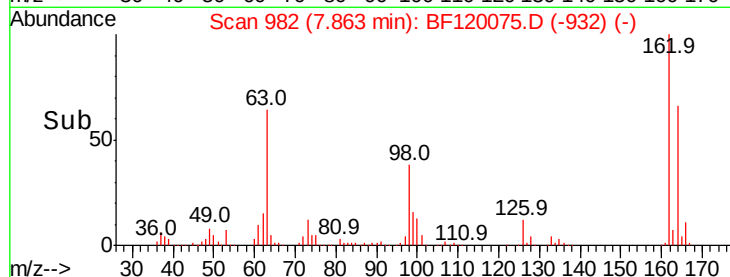
98 37.9 17.3 57.3



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: 44.279 ng

RT: 7.95 min Scan# 996

Delta R.T. 0.00 min

Lab File: BF120075.D

Acq: 20 Apr 2020 14:02

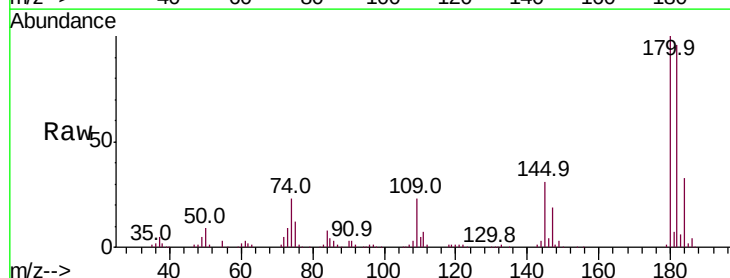
Tgt Ion:180 Resp: 357324

Ion Ratio Lower Upper

180 100

182 95.8 75.4 113.0

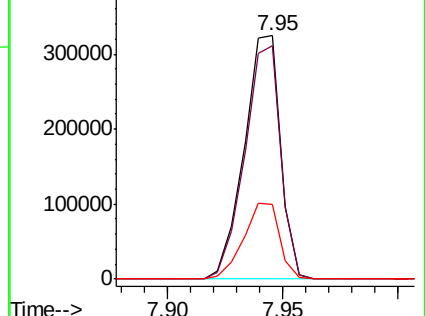
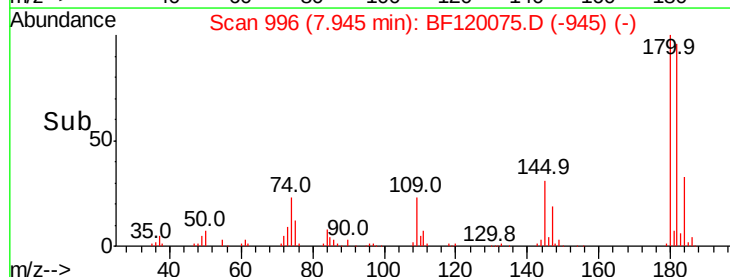
145 30.8 24.6 37.0

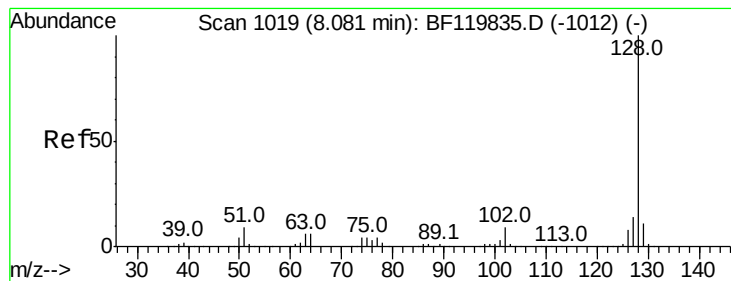


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 46.363 ng

RT: 8.02 min Scan# 1009

Delta R.T. -0.01 min

Lab File: BF120075.D

Acq: 20 Apr 2020 14:02

Instrument :

BNA\_F

ClientSampleId :

PB128301BS

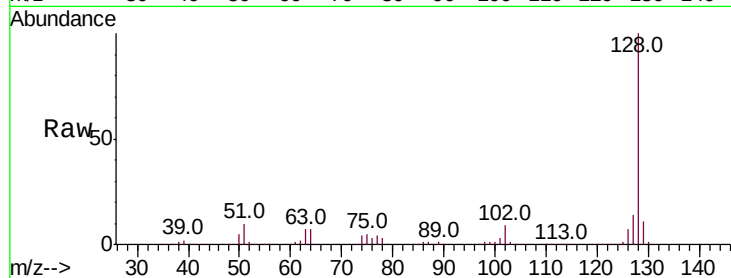
Tot Ion:128 Resp: 1156754

Ion Ratio Lower Upper

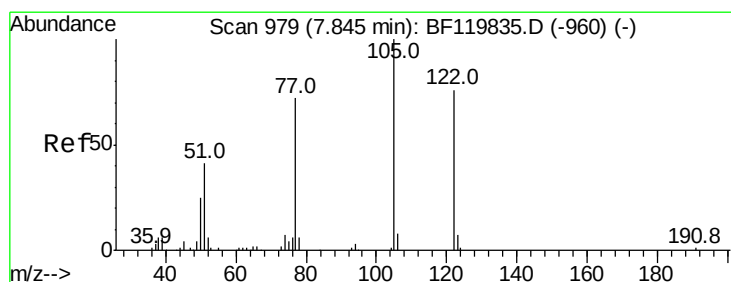
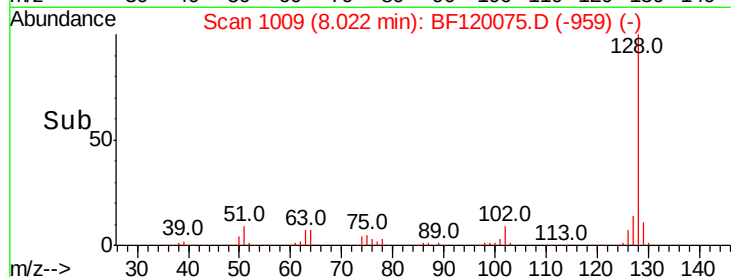
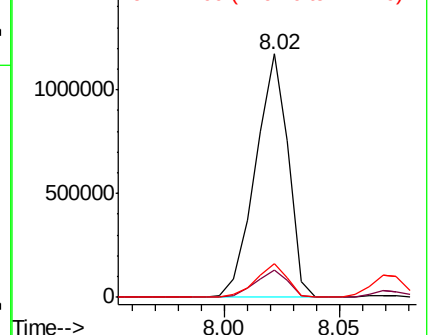
128 100

129 11.3 9.0 13.6

127 13.6 11.0 16.4



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



#32

Benzoic acid

Concen: 40.811 ng

RT: 7.80 min Scan# 971

Delta R.T. -0.02 min

Lab File: BF120075.D

Acq: 20 Apr 2020 14:02

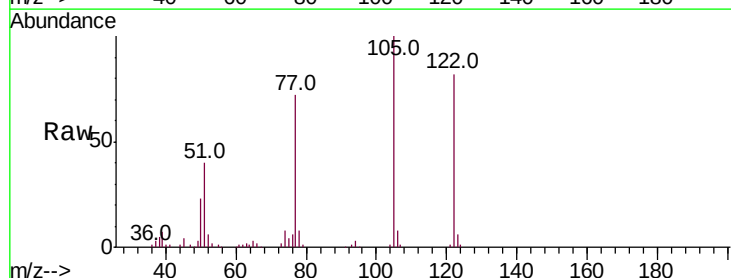
Tgt Ion:122 Resp: 249033

Ion Ratio Lower Upper

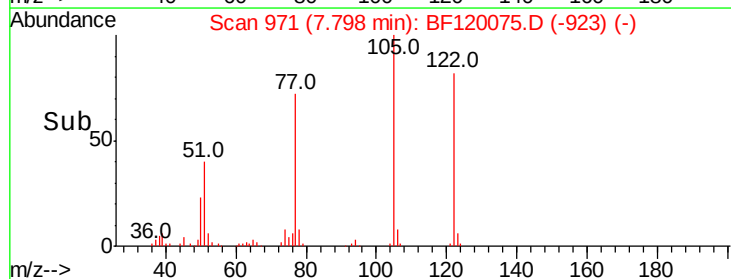
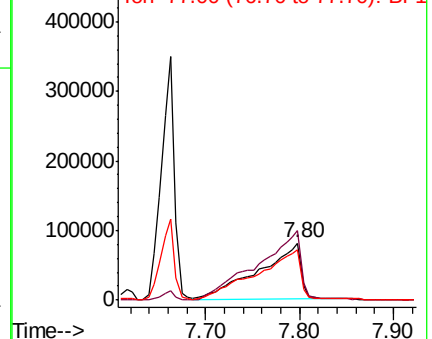
122 100

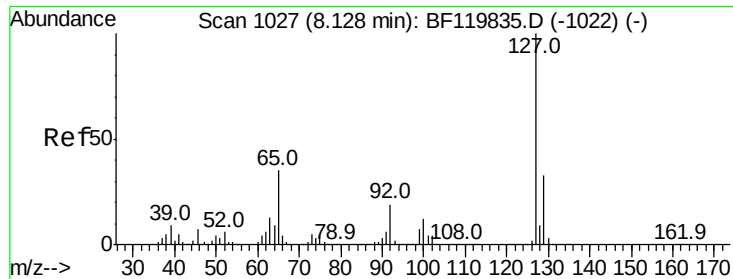
105 122.4 106.7 146.7

77 88.6 72.1 112.1



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

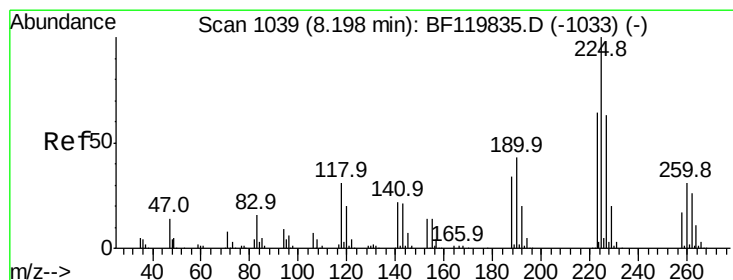
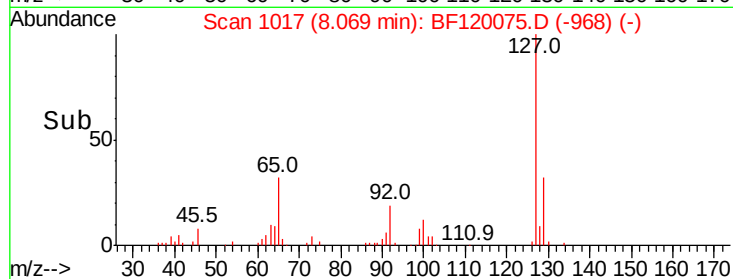
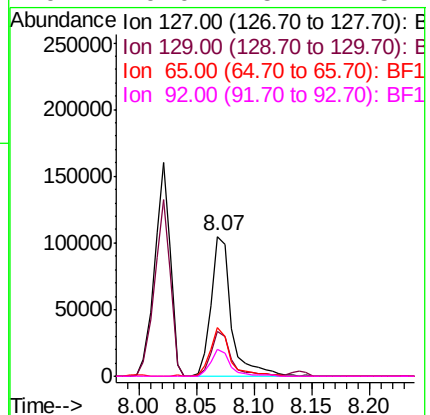
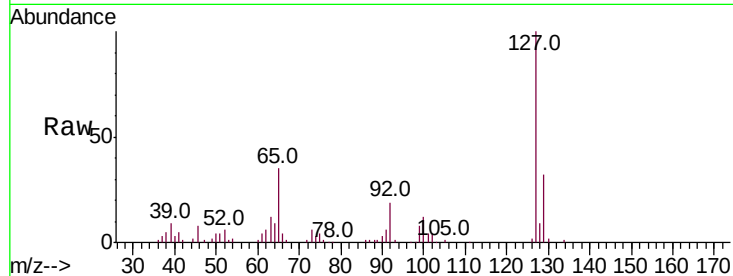




#33  
4-Chloroaniline  
Concen: 11.842 ng  
RT: 8.07 min Scan# 1017  
Delta R.T. -0.01 min  
Lab File: BF120075.D  
Acq: 20 Apr 2020 14:02

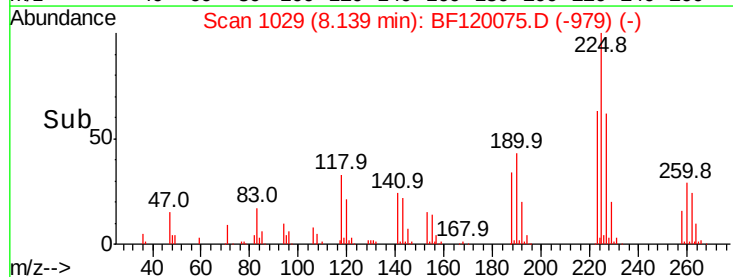
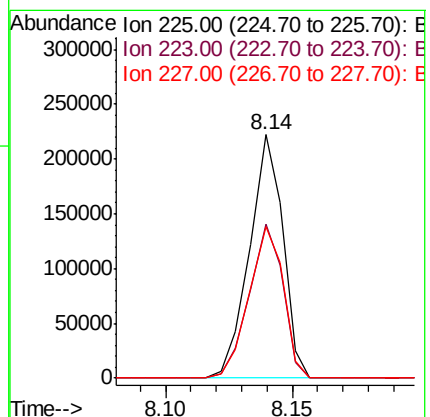
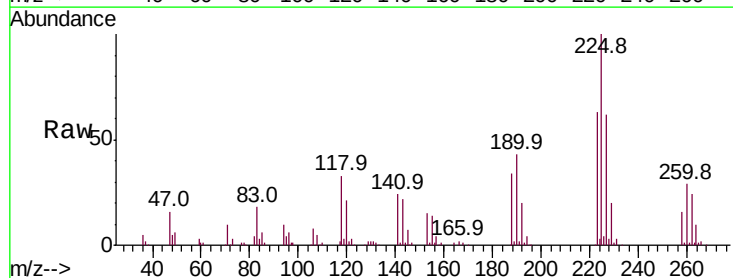
Instrument :  
BNA\_F  
ClientSampleId :  
PB128301BS

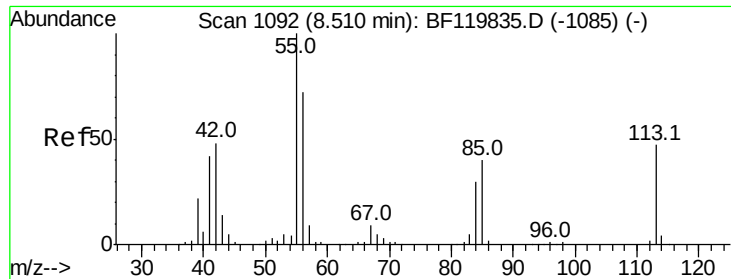
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 127   | Resp: | 128622 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 31.6  | 26.2  | 39.2   |
| 65       | 34.5  | 28.3  | 42.5   |
| 92       | 19.0  | 15.4  | 23.2   |



#34  
Hexachlorobutadiene  
Concen: 42.324 ng  
RT: 8.14 min Scan# 1029  
Delta R.T. -0.01 min  
Lab File: BF120075.D  
Acq: 20 Apr 2020 14:02

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 204453 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 63.1  | 51.0  | 76.6   |
| 227      | 62.3  | 50.4  | 75.6   |

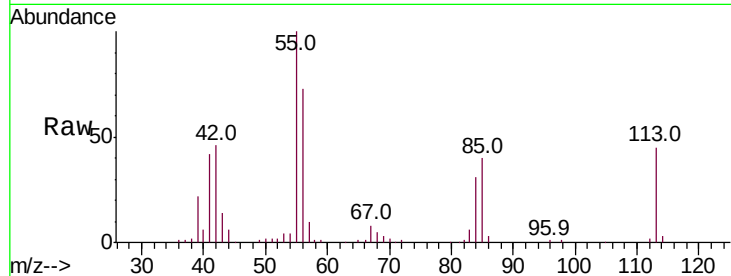




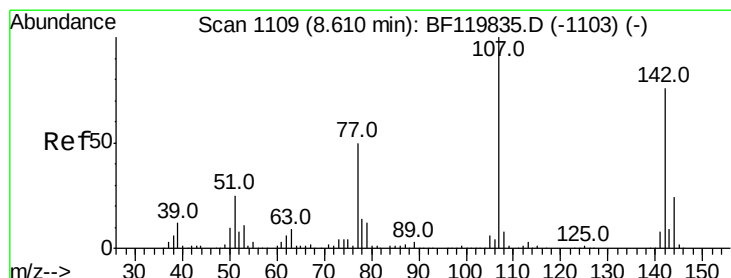
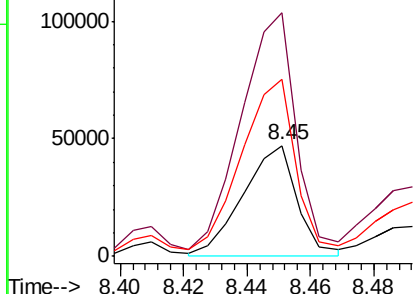
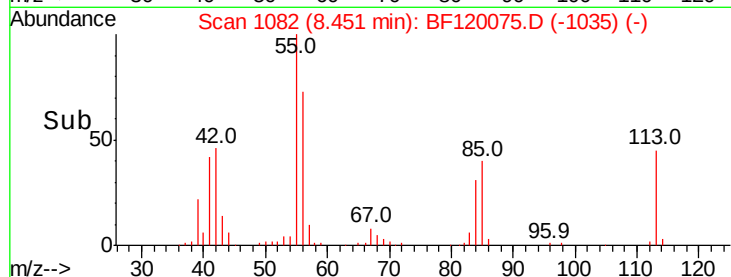
#35  
 Caprolactam  
 Concen: 25.790 ng  
 RT: 8.45 min Scan# 1082  
 Delta R.T. -0.02 min  
 Lab File: BF120075.D  
 Acq: 20 Apr 2020 14:02

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB128301BS

Tot Ion:113 Resp: 56185  
 Ion Ratio Lower Upper  
 113 100  
 55 220.1 192.7 232.7  
 56 160.1 133.3 173.3

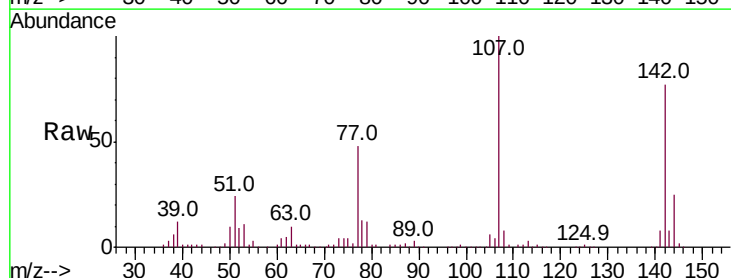


Abundance Ion 113.00 (112.70 to 113.70): E  
 Ion 55.00 (54.70 to 55.70): BF1  
 Ion 56.00 (55.70 to 56.70): BF1

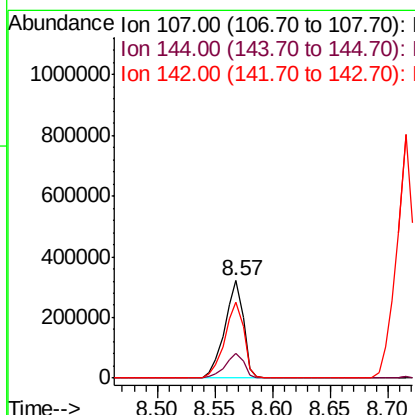
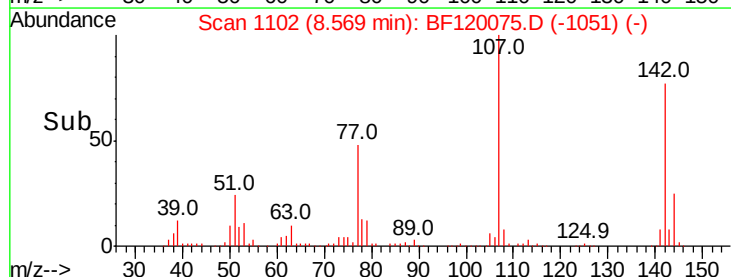


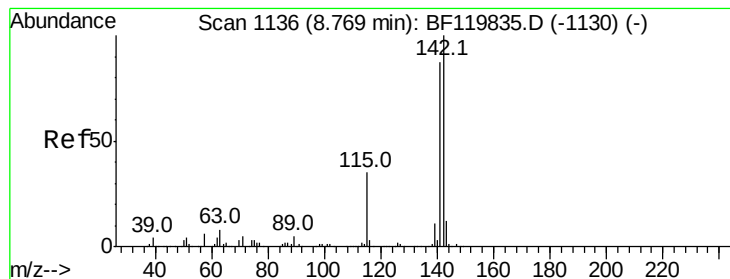
#36  
 4-Chloro-3-methylphenol  
 Concen: 47.274 ng  
 RT: 8.57 min Scan# 1102  
 Delta R.T. 0.00 min  
 Lab File: BF120075.D  
 Acq: 20 Apr 2020 14:02

Tgt Ion:107 Resp: 364515  
 Ion Ratio Lower Upper  
 107 100  
 144 24.8 19.5 29.3  
 142 77.3 60.5 90.7



Abundance Ion 107.00 (106.70 to 107.70): E  
 Ion 144.00 (143.70 to 144.70): E  
 Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 46.320 ng

RT: 8.72 min Scan# 1127

Delta R.T. -0.01 min

Lab File: BF120075.D

Acq: 20 Apr 2020 14:02

Instrument :

BNA\_F

ClientSampleId :

PB128301BS

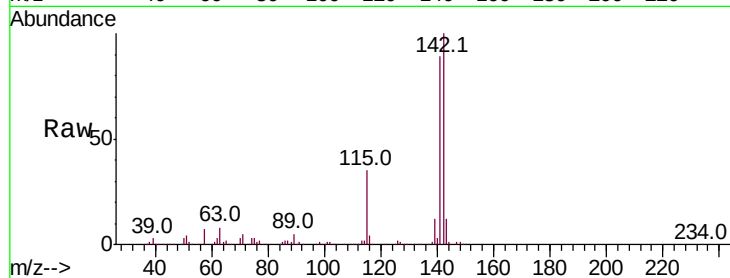
Tot Ion:142 Resp: 783526

Ion Ratio Lower Upper

142 100

141 89.3 69.9 104.9

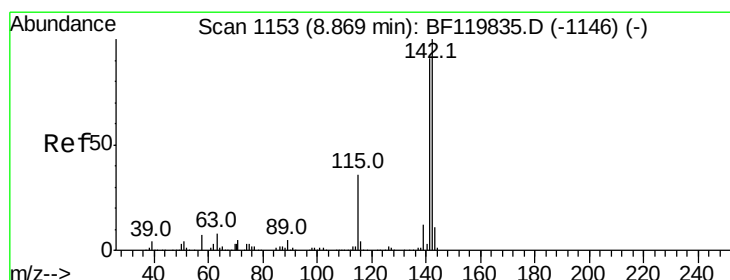
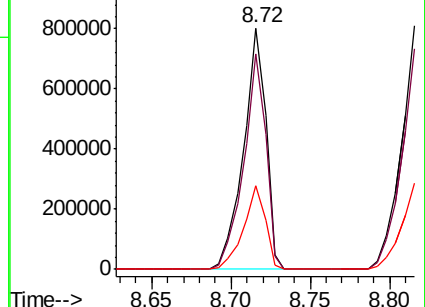
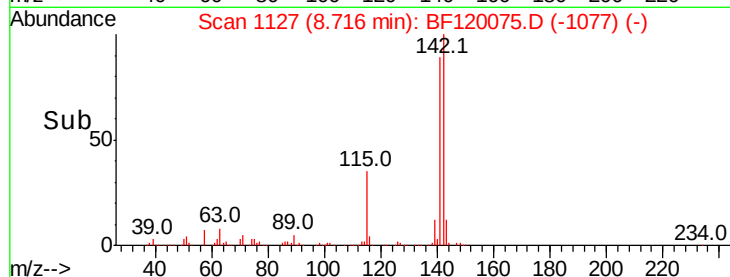
115 34.8 28.0 42.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 46.725 ng

RT: 8.82 min Scan# 1144

Delta R.T. -0.01 min

Lab File: BF120075.D

Acq: 20 Apr 2020 14:02

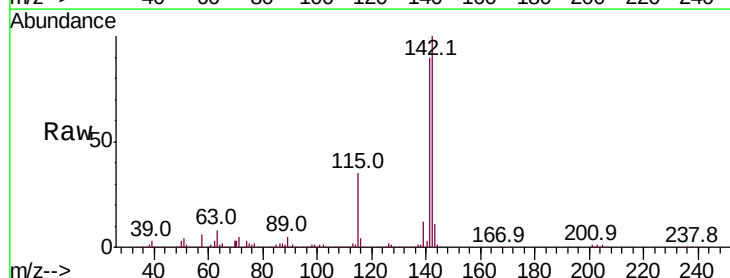
Tgt Ion:142 Resp: 744963

Ion Ratio Lower Upper

142 100

141 90.4 72.9 109.3

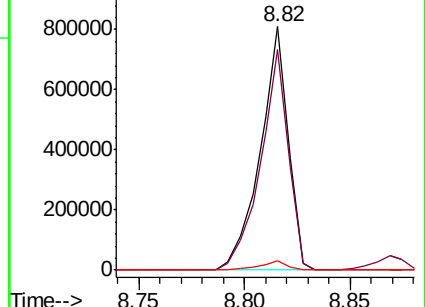
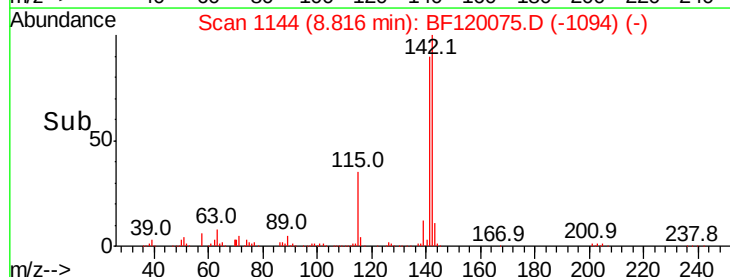
116 3.9 3.0 4.6

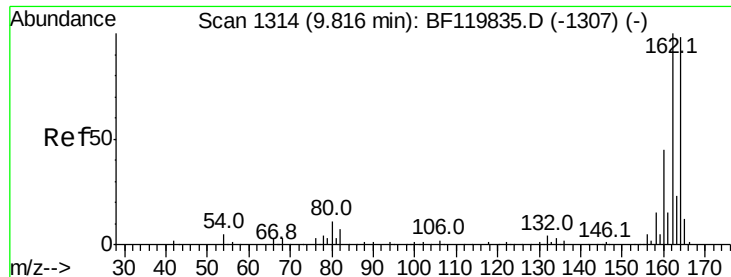


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.76 min Scan# 1305

Delta R.T. 0.00 min

Lab File: BF120075.D

Acq: 20 Apr 2020 14:02

Instrument :

BNA\_F

ClientSampleId :

PB128301BS

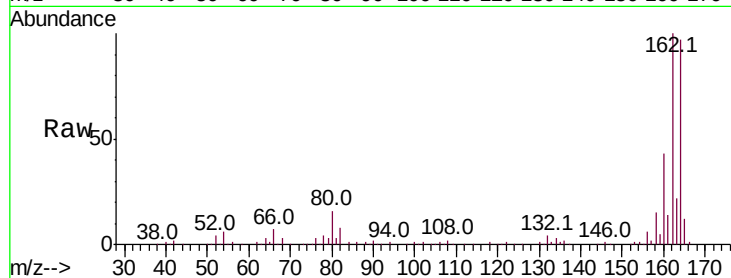
Tot Ion:164 Resp: 252222

Ion Ratio Lower Upper

164 100

162 103.0 81.9 122.9

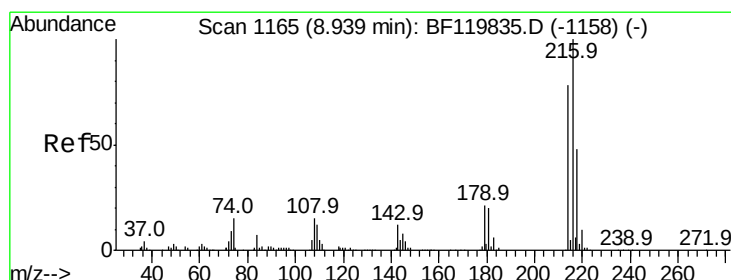
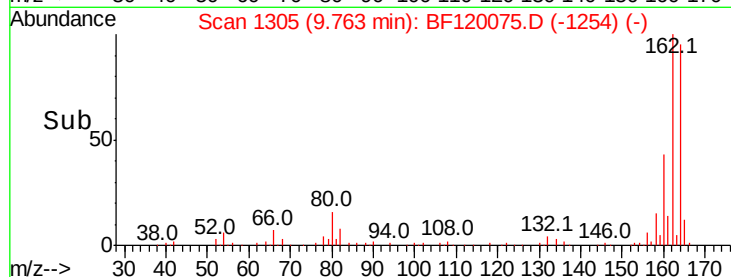
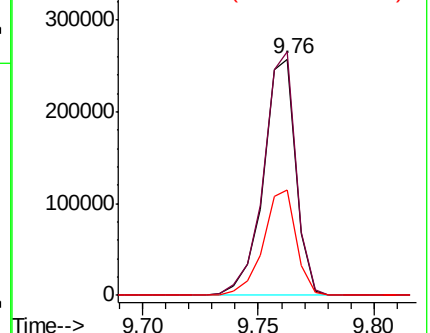
160 44.6 36.6 54.8



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 43.933 ng

RT: 8.89 min Scan# 1156

Delta R.T. 0.00 min

Lab File: BF120075.D

Acq: 20 Apr 2020 14:02

Tgt Ion:216 Resp: 349981

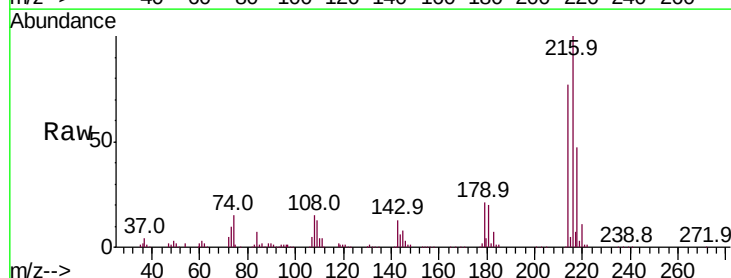
Ion Ratio Lower Upper

216 100

214 77.9 63.1 94.7

179 21.3 17.0 25.4

108 19.4 14.8 22.2

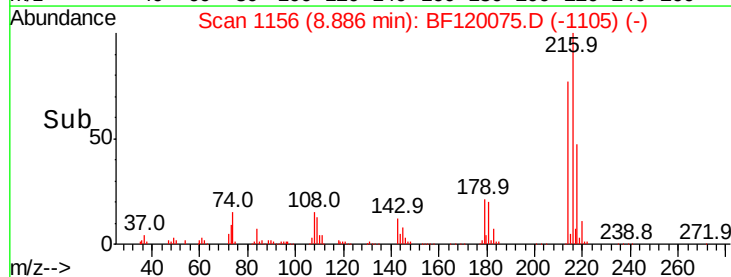
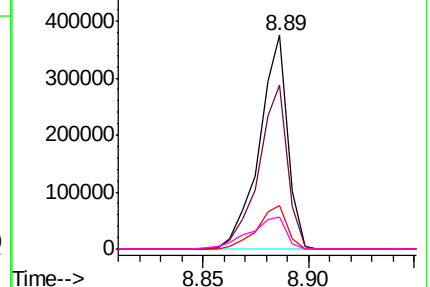


Abundance Ion 216.00 (215.70 to 216.70): E

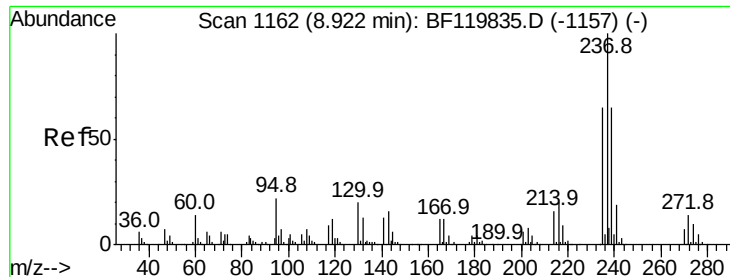
Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



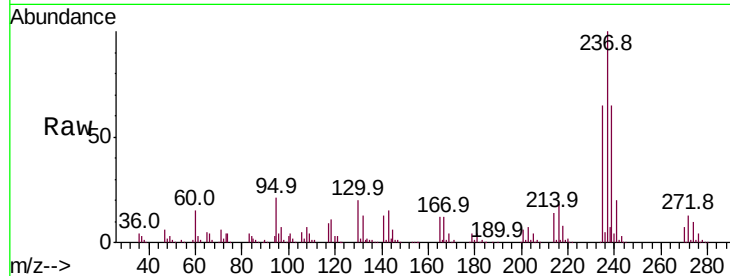




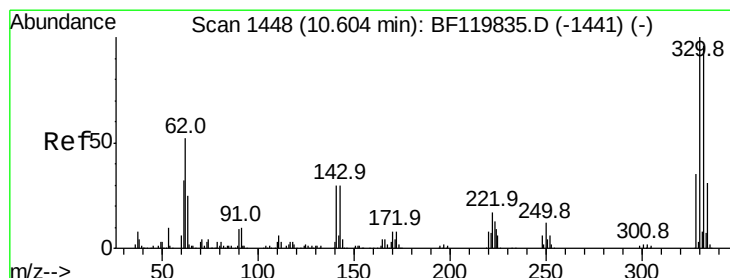
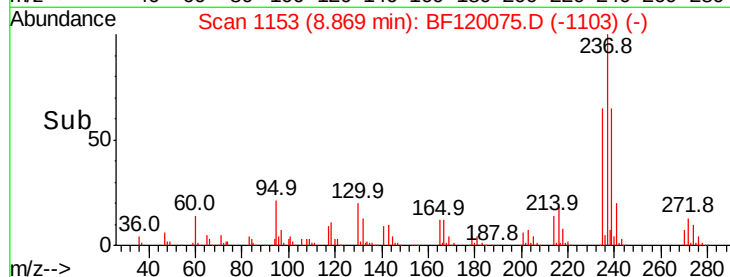
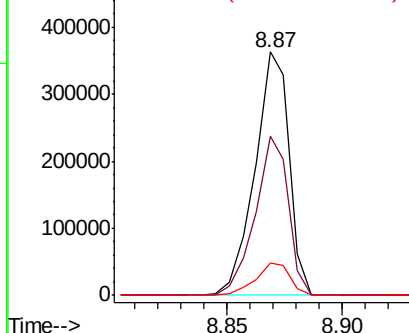
#41  
Hexachlorocyclopentadiene  
Concen: 82.859 ng  
RT: 8.87 min Scan# 1153  
Delta R.T. -0.01 min  
Lab File: BF120075.D  
Acq: 20 Apr 2020 14:02

Instrument :  
BNA\_F  
ClientSampleId :  
PB128301BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 237     | 100   |       |       |
| 235     | 65.1  | 44.9  | 84.9  |
| 272     | 13.1  | 0.0   | 33.6  |

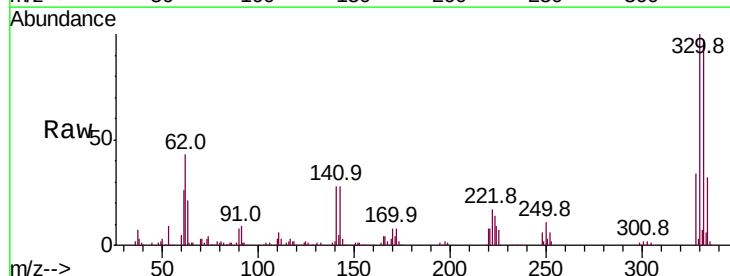


Abundance Ion 236.80 (236.50 to 237.50): E  
Ion 234.90 (234.60 to 235.60): E  
Ion 271.75 (271.45 to 272.45): E

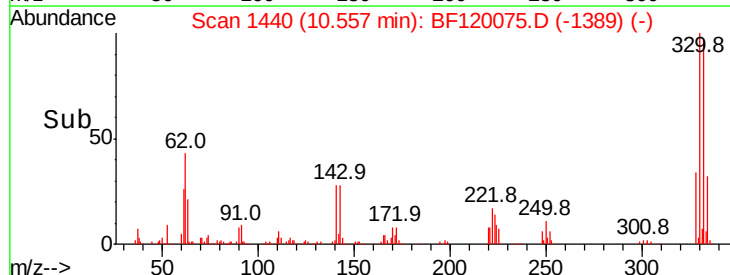
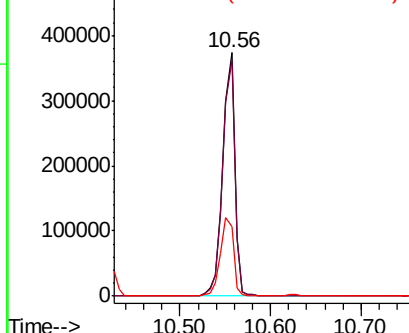


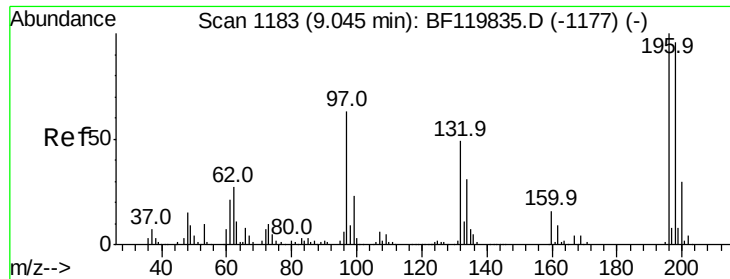
#42  
2,4,6-Tribromophenol  
Concen: 110.164 ng  
RT: 10.56 min Scan# 1440  
Delta R.T. 0.00 min  
Lab File: BF120075.D  
Acq: 20 Apr 2020 14:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.7  | 76.8  | 115.2 |
| 141     | 35.1  | 25.1  | 37.7  |



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

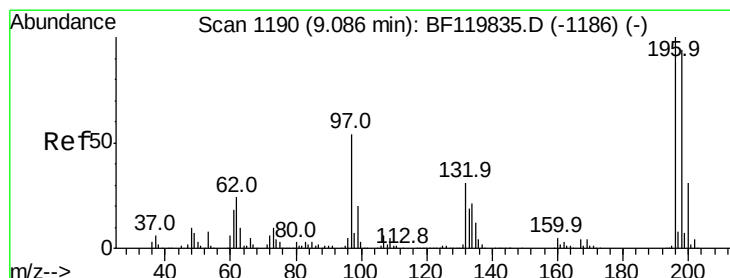
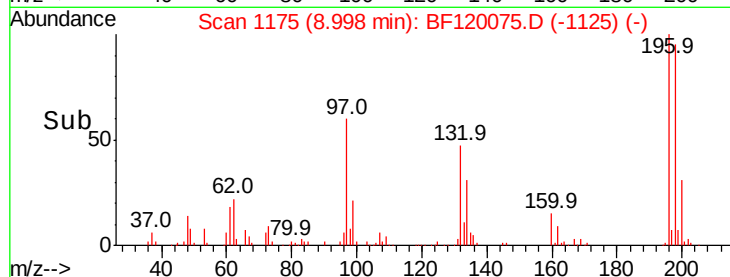
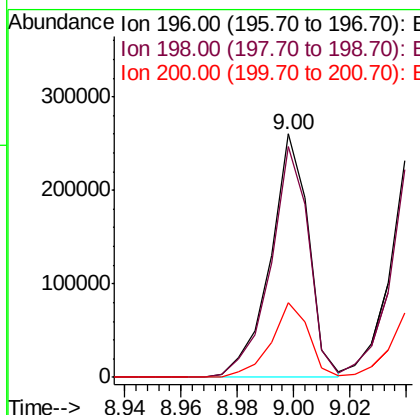
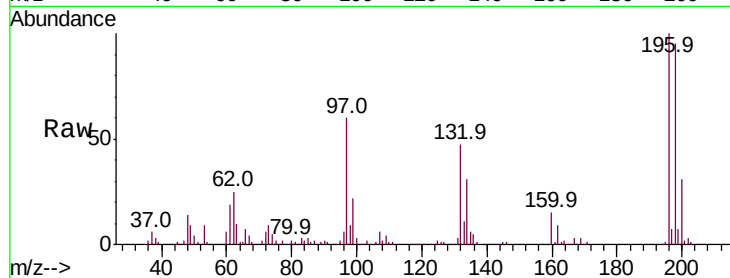




#43  
 2,4,6-Trichlorophenol  
 Concen: 44.398 ng  
 RT: 9.00 min Scan# 1175  
 Delta R.T. -0.01 min  
 Lab File: BF120075.D  
 Acq: 20 Apr 2020 14:02

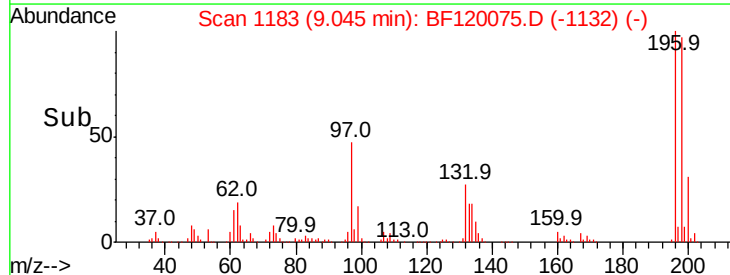
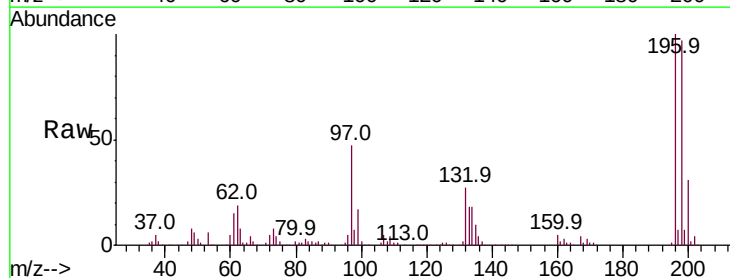
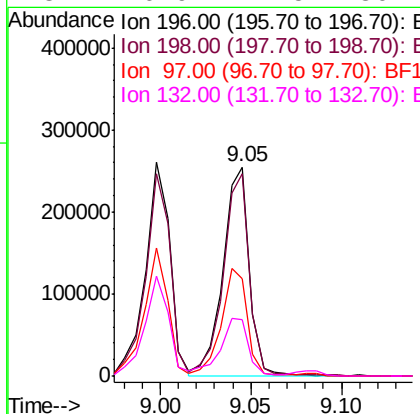
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB128301BS

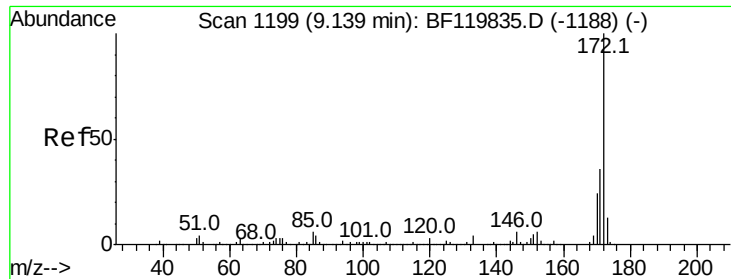
|             |       |            |
|-------------|-------|------------|
| Tot Ion:196 | Resp: | 244234     |
| Ion Ratio   | Lower | Upper      |
| 196         | 100   |            |
| 198         | 94.9  | 76.6 115.0 |
| 200         | 30.6  | 24.2 36.2  |



#44  
 2,4,5-Trichlorophenol  
 Concen: 41.386 ng  
 RT: 9.05 min Scan# 1183  
 Delta R.T. 0.00 min  
 Lab File: BF120075.D  
 Acq: 20 Apr 2020 14:02

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:196 | Resp: | 256422     |
| Ion Ratio   | Lower | Upper      |
| 196         | 100   |            |
| 198         | 96.7  | 75.1 112.7 |
| 97          | 46.5  | 43.4 65.2  |
| 132         | 26.9  | 24.5 36.7  |



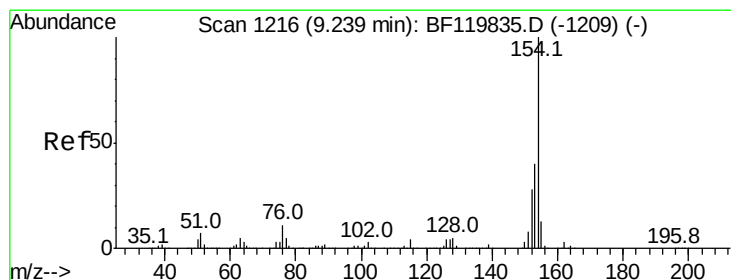
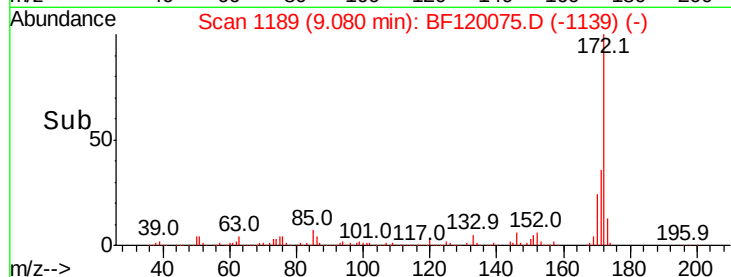
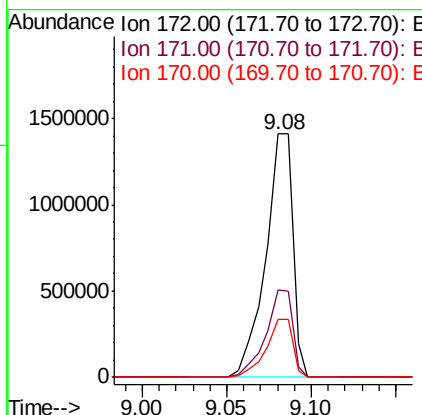
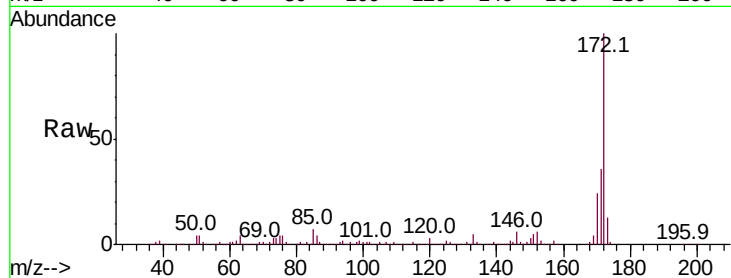


#45  
 2-Fluorobiphenyl  
 Concen: 88.426 ng  
 RT: 9.08 min Scan# 1189  
 Delta R.T. -0.01 min  
 Lab File: BF120075.D  
 Acq: 20 Apr 2020 14:02

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB128301BS

Tot Ion:172 Resp: 1570865  

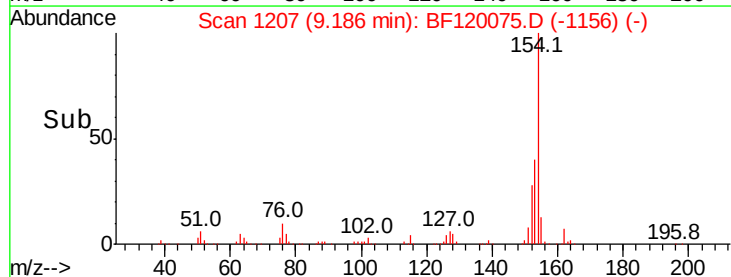
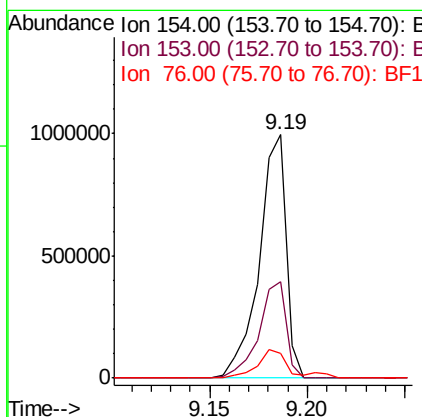
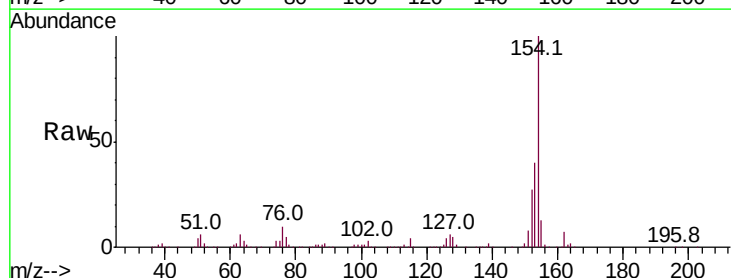
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 35.9  | 28.9  | 43.3  |
| 170 | 23.9  | 19.4  | 29.2  |

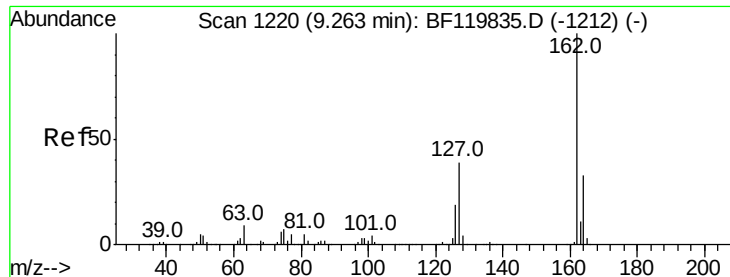


#46  
 1,1'-Biphenyl  
 Concen: 44.766 ng  
 RT: 9.19 min Scan# 1207  
 Delta R.T. 0.00 min  
 Lab File: BF120075.D  
 Acq: 20 Apr 2020 14:02

Tgt Ion:154 Resp: 953014  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 154 | 100   |       |       |
| 153 | 39.8  | 20.5  | 60.5  |
| 76  | 10.4  | 0.0   | 30.6  |

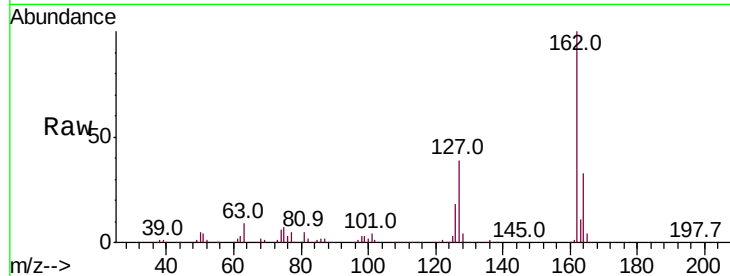




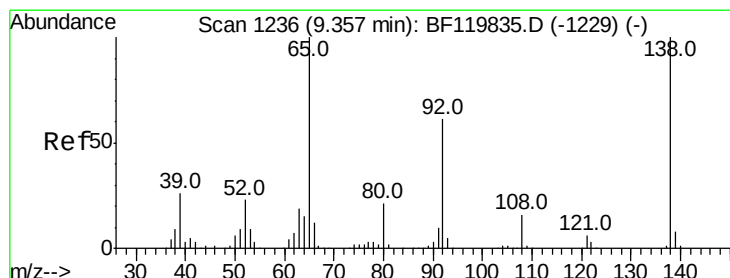
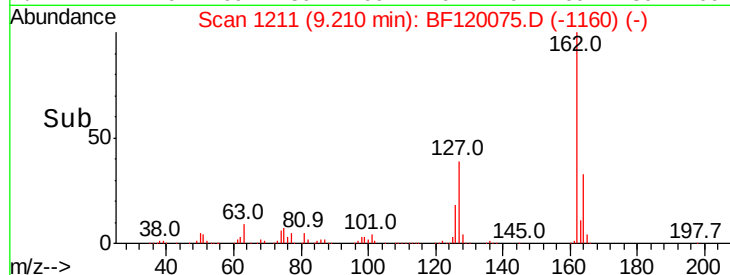
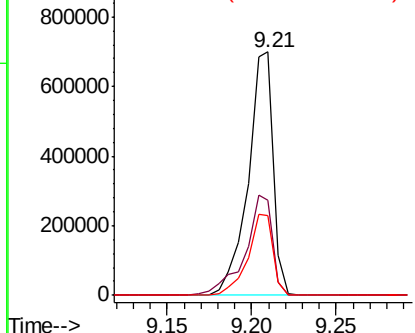
#47  
2-Chloronaphthalene  
Concen: 44.366 ng  
RT: 9.21 min Scan# 1211  
Delta R.T. 0.00 min  
Lab File: BF120075.D  
Acq: 20 Apr 2020 14:02

Instrument :  
BNA\_F  
ClientSampleId :  
PB128301BS

Tot Ion:162 Resp: 727602  
Ion Ratio Lower Upper  
162 100  
127 38.8 31.2 46.8  
164 33.0 26.3 39.5

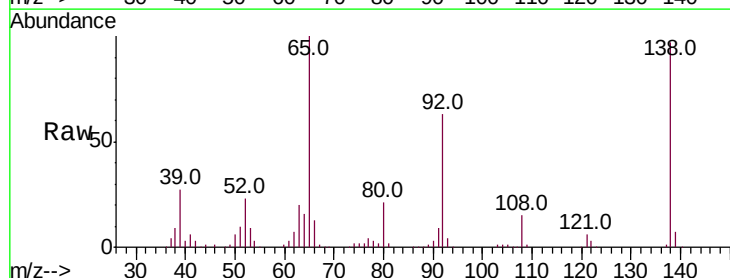


Abundance Ion 162.00 (161.70 to 162.70): E  
Ion 127.00 (126.70 to 127.70): E  
Ion 164.00 (163.70 to 164.70): E

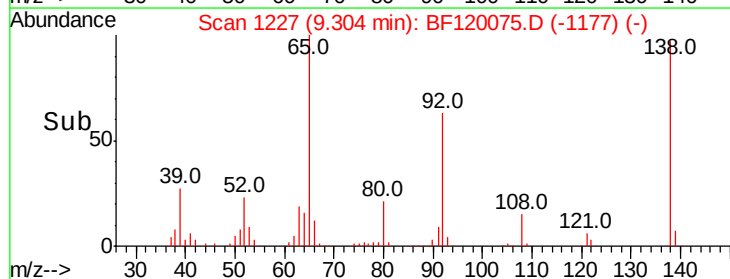
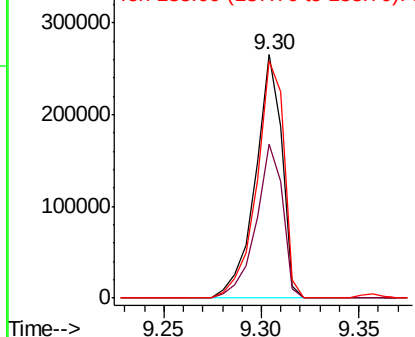


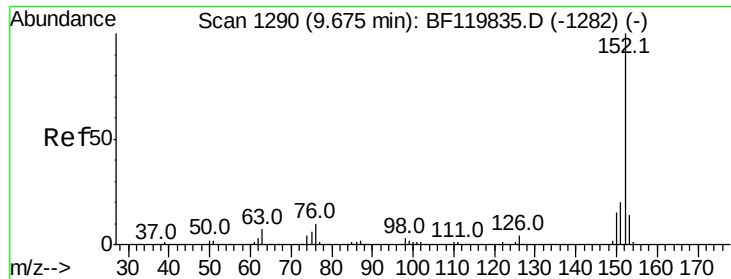
#48  
2-Nitroaniline  
Concen: 42.140 ng  
RT: 9.30 min Scan# 1227  
Delta R.T. -0.01 min  
Lab File: BF120075.D  
Acq: 20 Apr 2020 14:02

Tgt Ion: 65 Resp: 250444  
Ion Ratio Lower Upper  
65 100  
92 63.3 49.0 73.6  
138 97.3 79.7 119.5



Abundance Ion 65.00 (64.70 to 65.70): BF1  
Ion 92.00 (91.70 to 92.70): BF1  
Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 46.058 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.01 min

Lab File: BF120075.D

Acq: 20 Apr 2020 14:02

Instrument :

BNA\_F

ClientSampleId :

PB128301BS

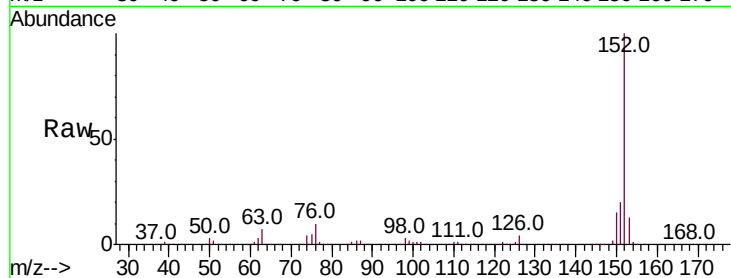
Tot Ion:152 Resp: 1148734

Ion Ratio Lower Upper

152 100

151 20.3 16.2 24.4

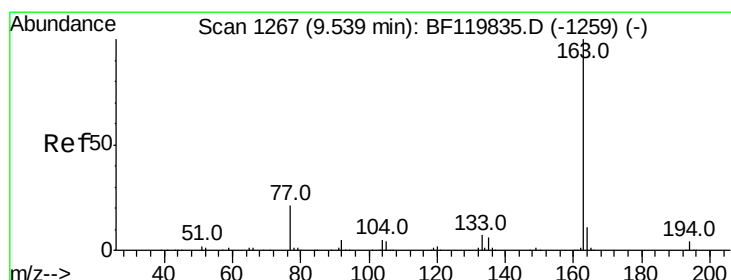
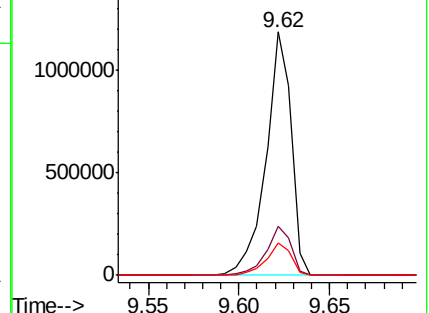
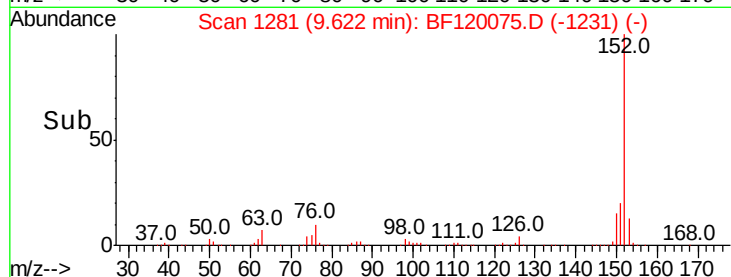
153 13.4 10.9 16.3



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: 43.767 ng

RT: 9.49 min Scan# 1259

Delta R.T. -0.01 min

Lab File: BF120075.D

Acq: 20 Apr 2020 14:02

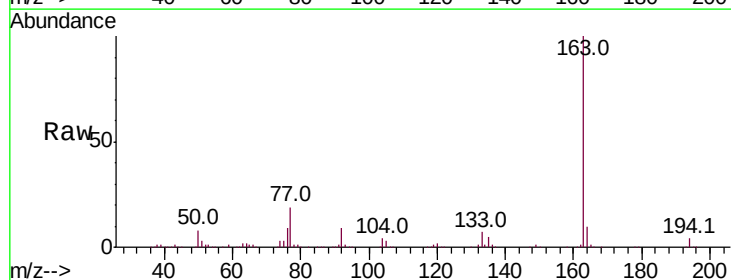
Tgt Ion:163 Resp: 853847

Ion Ratio Lower Upper

163 100

194 3.7 3.0 4.4

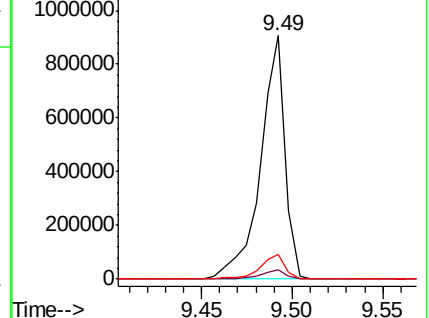
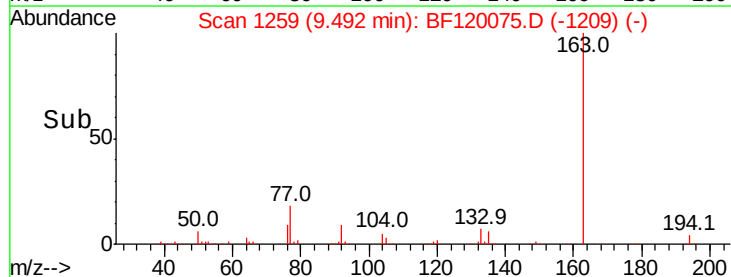
164 10.2 8.4 12.6

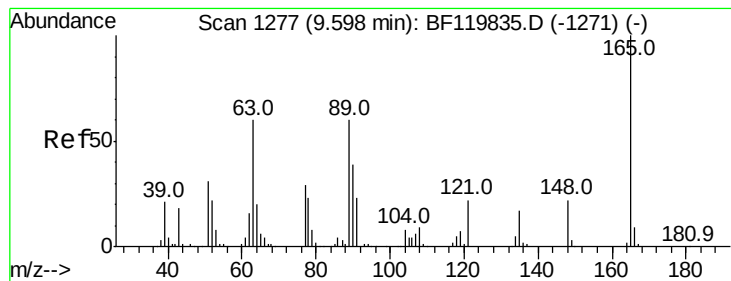


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 43.947 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.01 min

Lab File: BF120075.D

Acq: 20 Apr 2020 14:02

Instrument :

BNA\_F

ClientSampleId :

PB128301BS

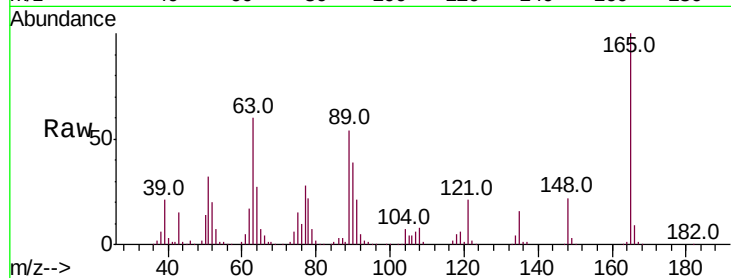
Tot Ion:165 Resp: 187748

Ion Ratio Lower Upper

165 100

63 60.1 55.6 83.4

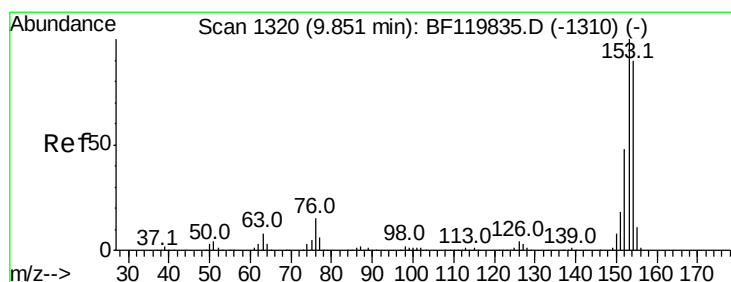
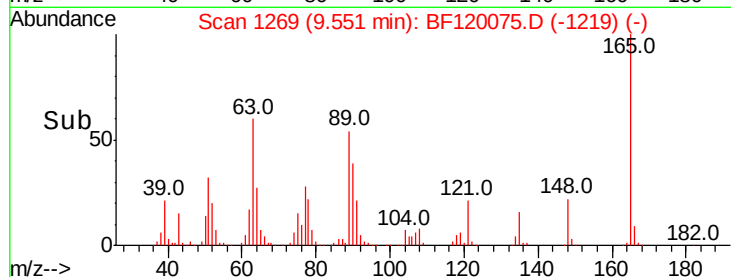
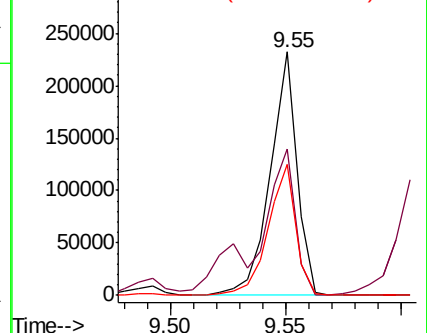
89 53.7 47.9 71.9



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#52

Acenaphthene

Concen: 41.560 ng

RT: 9.80 min Scan# 1311

Delta R.T. 0.00 min

Lab File: BF120075.D

Acq: 20 Apr 2020 14:02

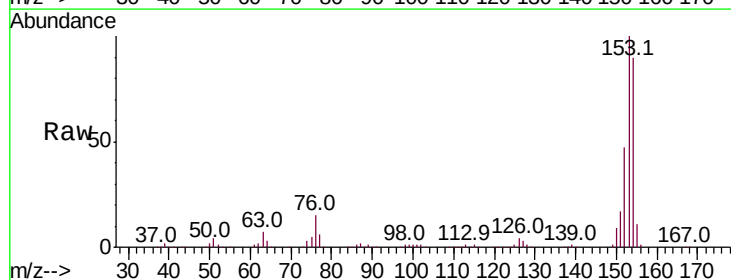
Tgt Ion:154 Resp: 691446

Ion Ratio Lower Upper

154 100

153 111.1 88.8 133.2

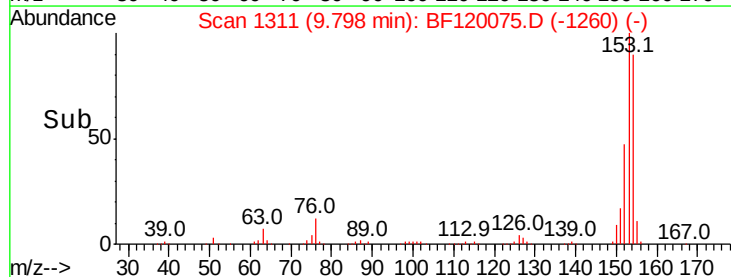
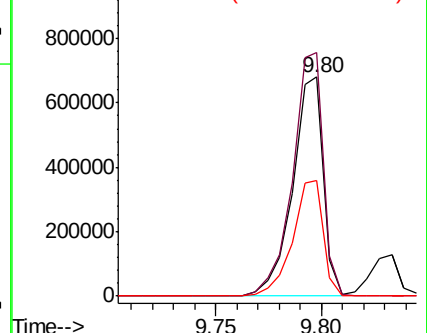
152 52.6 42.4 63.6

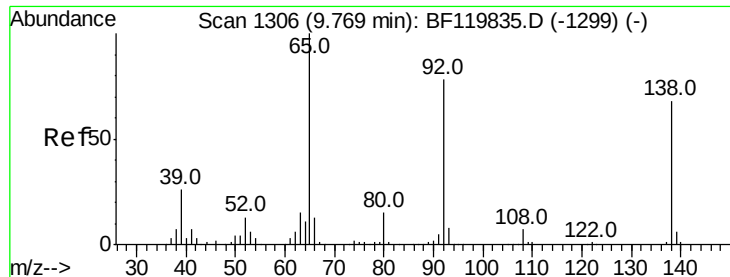


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

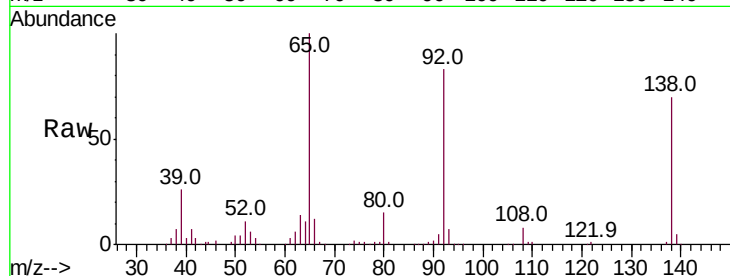




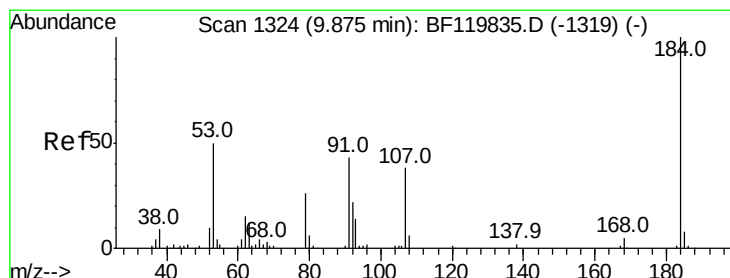
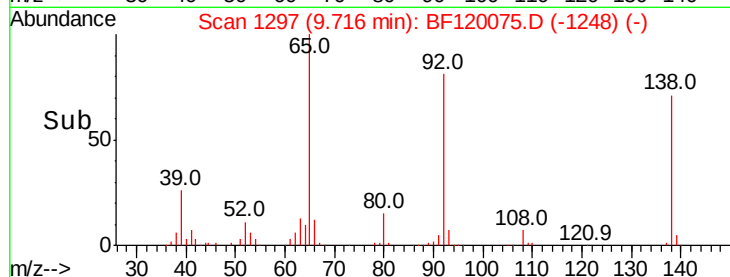
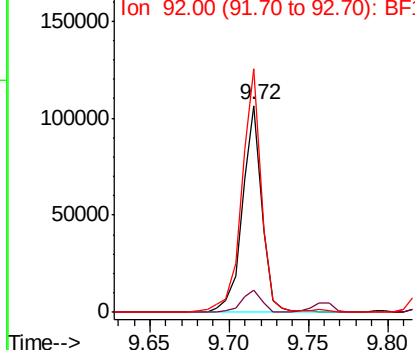
#53  
3-Nitroaniline  
Concen: 18.459 ng  
RT: 9.72 min Scan# 1297  
Delta R.T. -0.01 min  
Lab File: BF120075.D  
Acq: 20 Apr 2020 14:02

Instrument :  
BNA\_F  
ClientSampleId :  
PB128301BS

Tot Ion:138 Resp: 90064  
Ion Ratio Lower Upper  
138 100  
108 10.8 8.0 12.0  
92 117.9 92.1 138.1

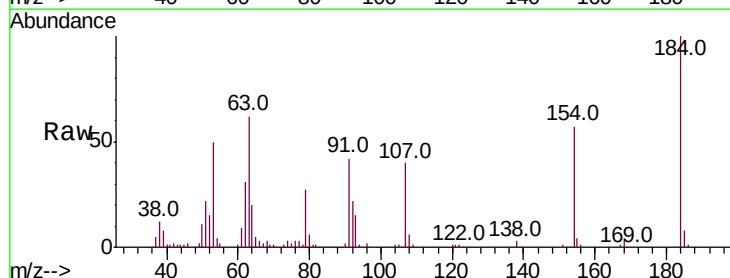


Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 92.00 (91.70 to 92.70): BF1

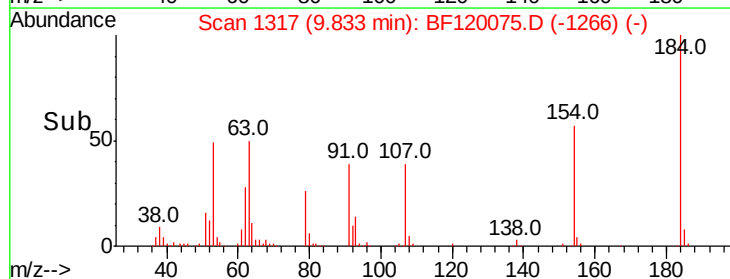
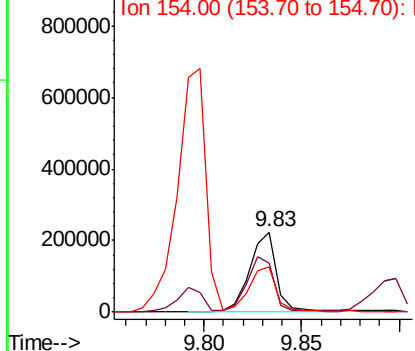


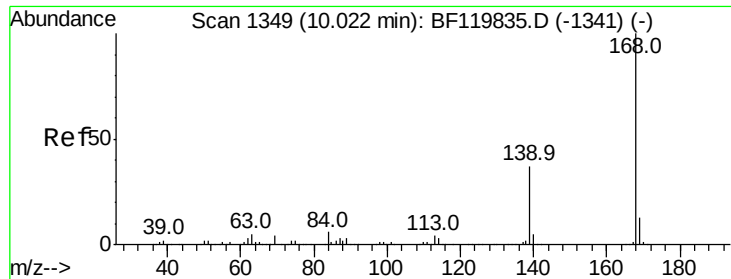
#54  
2,4-Dinitrophenol  
Concen: 83.469 ng  
RT: 9.83 min Scan# 1317  
Delta R.T. 0.00 min  
Lab File: BF120075.D  
Acq: 20 Apr 2020 14:02

Tgt Ion:184 Resp: 213491  
Ion Ratio Lower Upper  
184 100  
63 61.5 49.8 74.6  
154 57.0 46.5 69.7



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

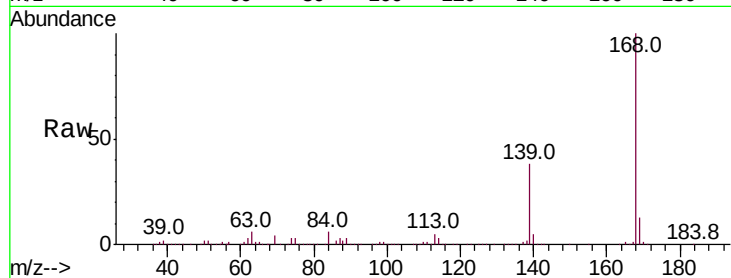




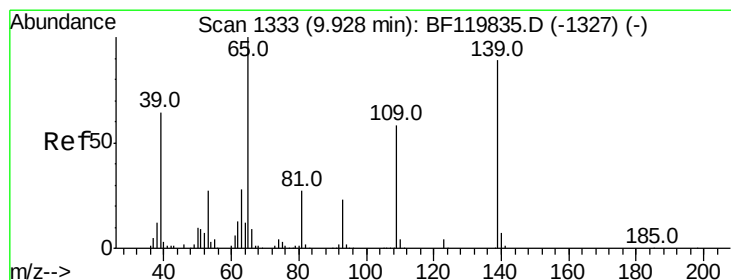
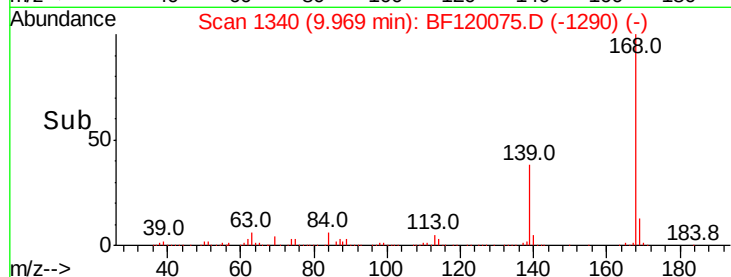
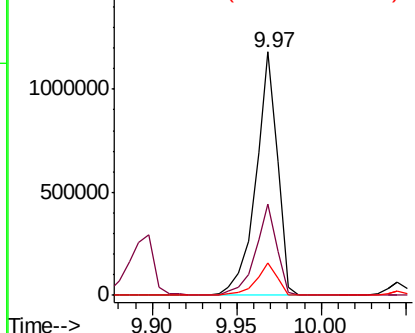
#55  
Dibenzofuran  
Concen: 46.005 ng  
RT: 9.97 min Scan# 1340  
Delta R.T. -0.01 min  
Lab File: BF120075.D  
Acq: 20 Apr 2020 14:02

Instrument :  
BNA\_F  
ClientSampleId :  
PB128301BS

Tot Ion:168 Resp: 1050325  
Ion Ratio Lower Upper  
168 100  
139 37.6 29.8 44.6  
169 13.3 10.6 15.8

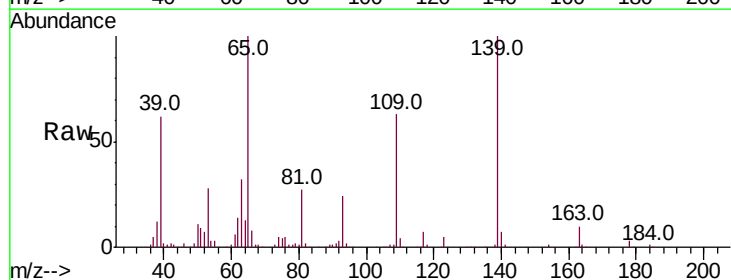


Abundance Ion 168.00 (167.70 to 168.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 169.00 (168.70 to 169.70): E

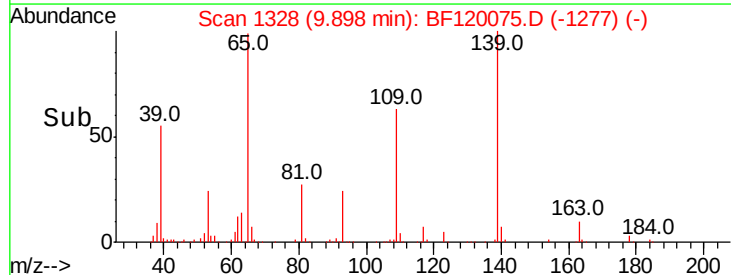
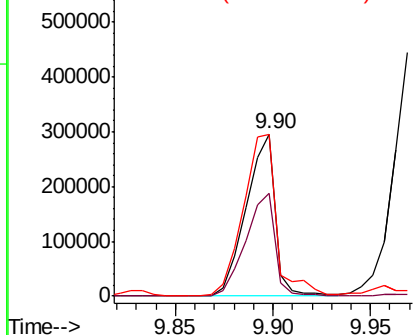


#56  
4-Nitrophenol  
Concen: 84.161 ng  
RT: 9.90 min Scan# 1328  
Delta R.T. 0.00 min  
Lab File: BF120075.D  
Acq: 20 Apr 2020 14:02

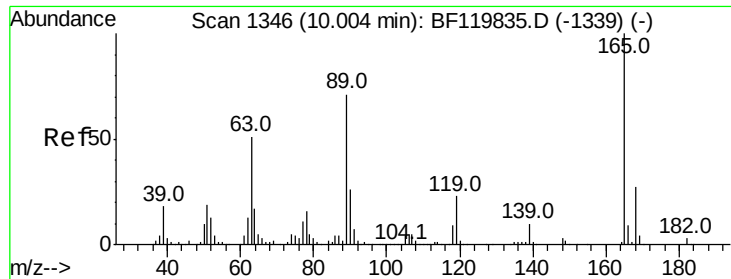
Tgt Ion:139 Resp: 305534  
Ion Ratio Lower Upper  
139 100  
109 63.3 45.5 85.5  
65 100.2 92.3 132.3



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



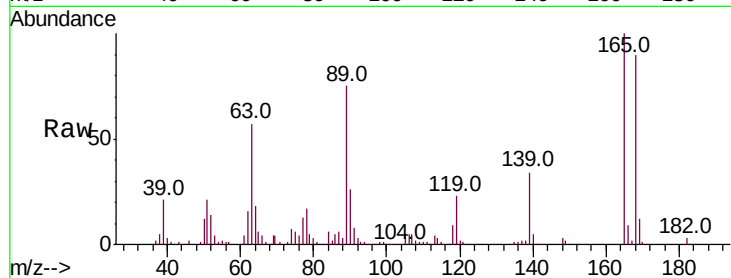




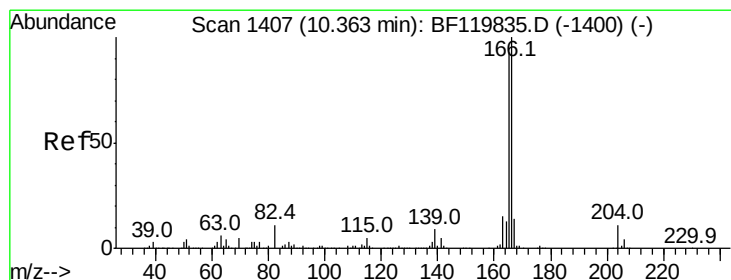
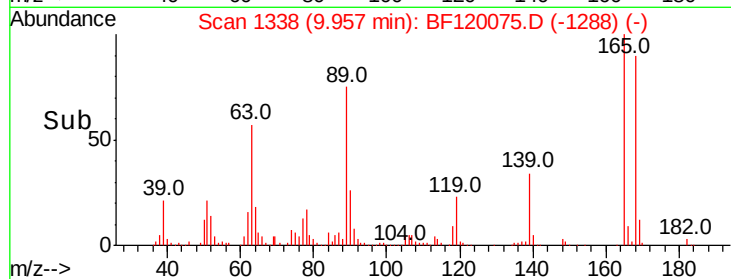
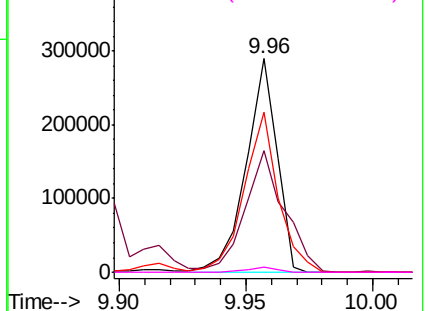
#57  
 2,4-Dinitrotoluene  
 Concen: 43.630 ng  
 RT: 9.96 min Scan# 1338  
 Delta R.T. -0.01 min  
 Lab File: BF120075.D  
 Acq: 20 Apr 2020 14:02

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB128301BS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 165   | Resp: | 245578 |
| Ion      | Ratio | Lower | Upper  |
| 165      | 100   |       |        |
| 63       | 57.2  | 40.8  | 61.2   |
| 89       | 75.1  | 56.9  | 85.3   |
| 182      | 2.5   | 2.0   | 3.0    |

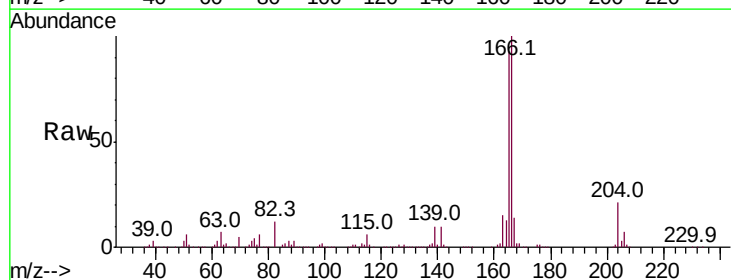


Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF1  
 Ion 89.00 (88.70 to 89.70): BF1  
 Ion 182.00 (181.70 to 182.70): E

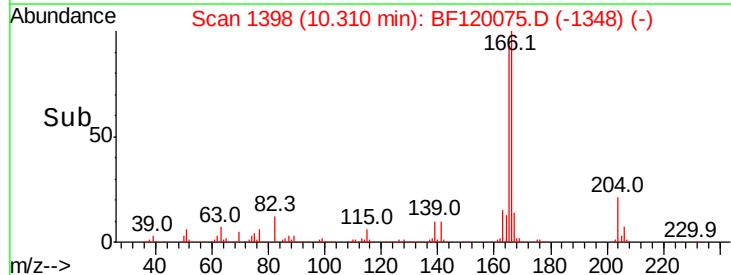
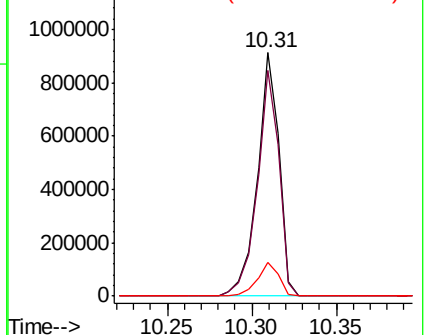


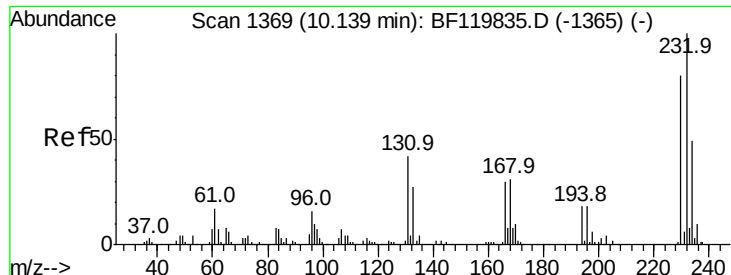
#58  
 Fluorene  
 Concen: 44.598 ng  
 RT: 10.31 min Scan# 1398  
 Delta R.T. -0.01 min  
 Lab File: BF120075.D  
 Acq: 20 Apr 2020 14:02

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 166   | Resp: | 814306 |
| Ion      | Ratio | Lower | Upper  |
| 166      | 100   |       |        |
| 165      | 92.9  | 74.2  | 111.2  |
| 167      | 13.8  | 10.8  | 16.2   |



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

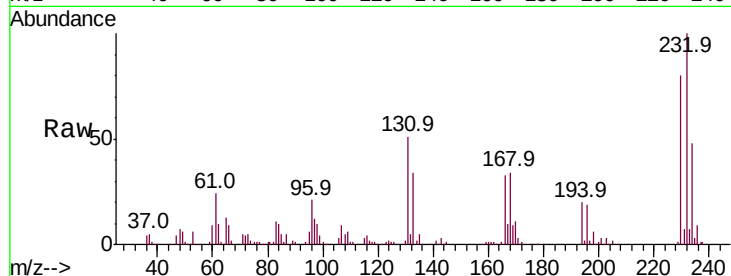




#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 44.827 ng  
 RT: 10.09 min Scan# 1360  
 Delta R.T. -0.01 min  
 Lab File: BF120075.D  
 Acq: 20 Apr 2020 14:02

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB128301BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 46.6  | 37.9  | 56.9  |
| 130     | 2.1   | 1.8   | 2.6   |
| 166     | 31.7  | 25.4  | 38.0  |



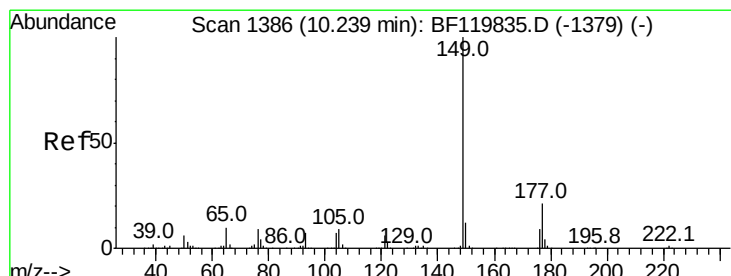
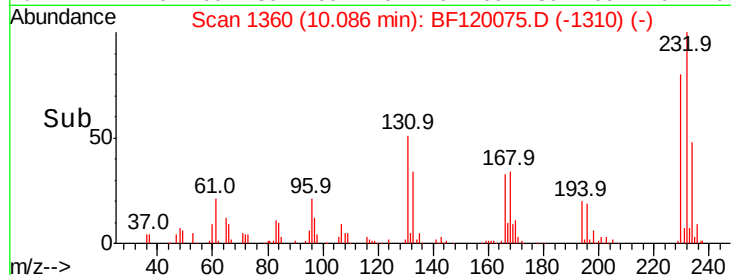
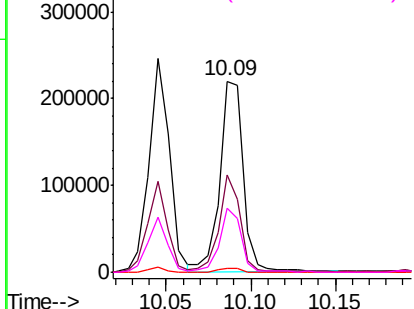
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

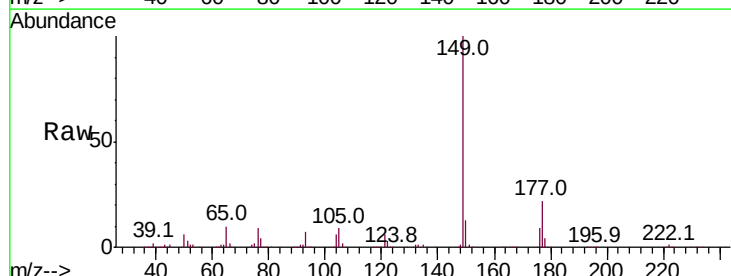
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60  
 Diethylphthalate  
 Concen: 43.335 ng  
 RT: 10.19 min Scan# 1378  
 Delta R.T. -0.01 min  
 Lab File: BF120075.D  
 Acq: 20 Apr 2020 14:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 21.8  | 16.8  | 25.2  |
| 150     | 12.9  | 9.8   | 14.6  |

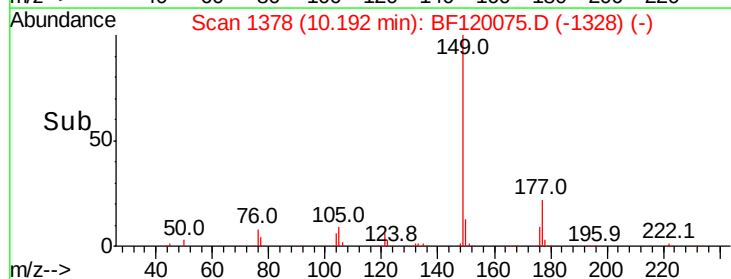
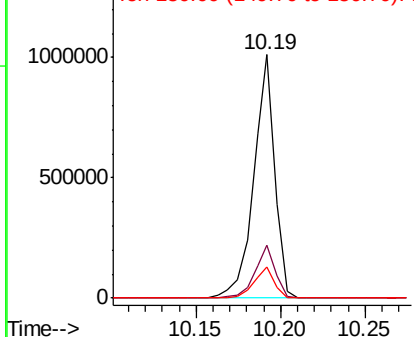


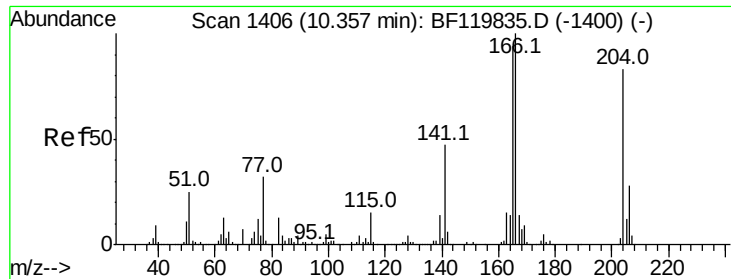
Abundance

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

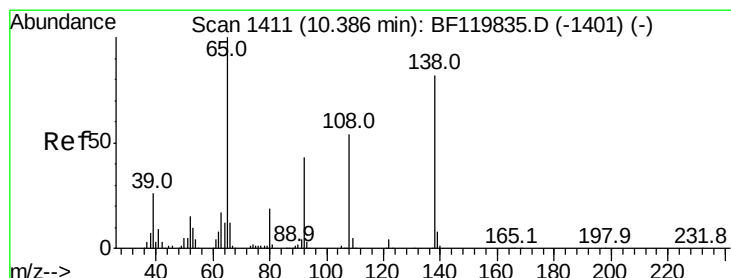
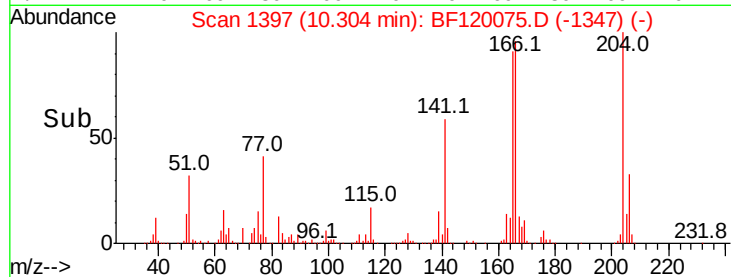
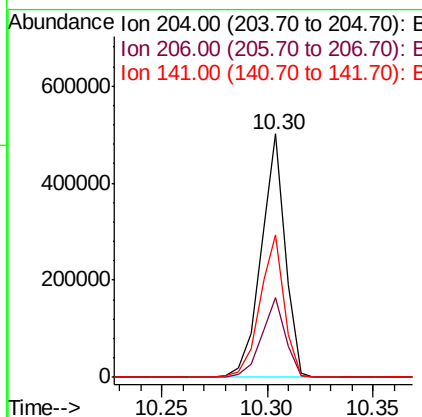
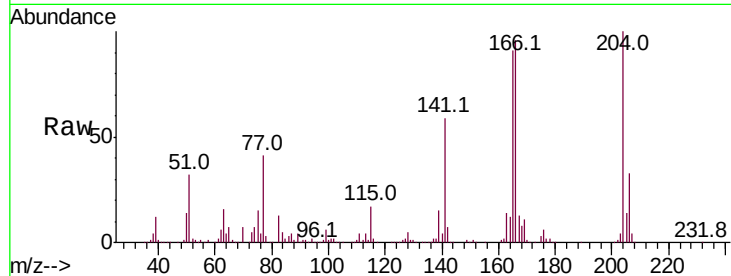




#61  
 4-Chlorophenyl-phenylether  
 Concen: 42.409 ng  
 RT: 10.30 min Scan# 1397  
 Delta R.T. -0.01 min  
 Lab File: BF120075.D  
 Acq: 20 Apr 2020 14:02

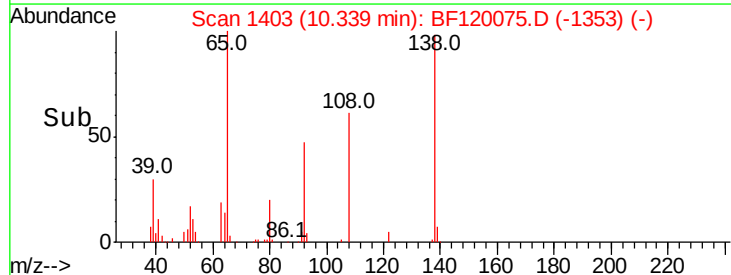
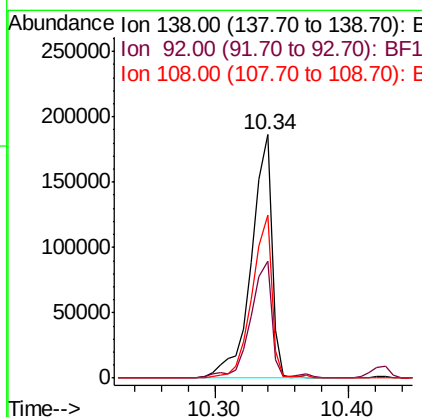
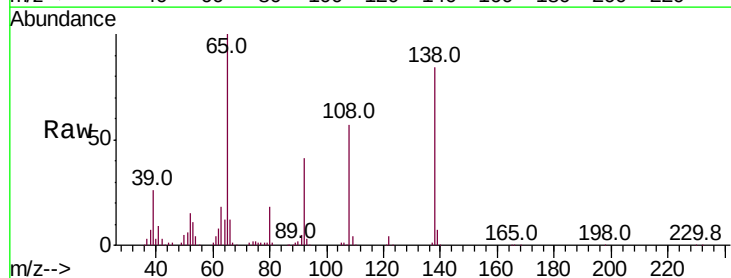
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB128301BS

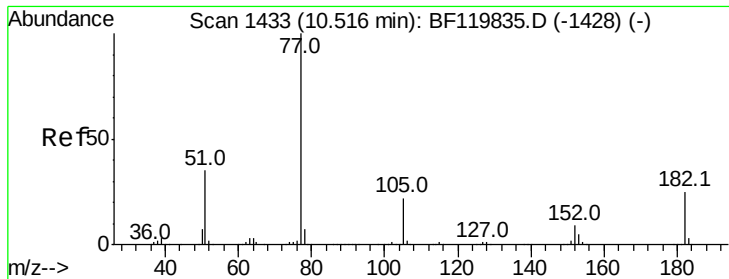
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 204   | Resp: | 396877 |
| Ion      | Ratio | Lower | Upper  |
| 204      | 100   |       |        |
| 206      | 32.7  | 26.7  | 40.1   |
| 141      | 58.6  | 45.8  | 68.8   |



#62  
 4-Nitroaniline  
 Concen: 42.081 ng  
 RT: 10.34 min Scan# 1403  
 Delta R.T. -0.01 min  
 Lab File: BF120075.D  
 Acq: 20 Apr 2020 14:02

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 138   | Resp: | 195673 |
| Ion      | Ratio | Lower | Upper  |
| 138      | 100   |       |        |
| 92       | 48.0  | 31.6  | 71.6   |
| 108      | 66.9  | 45.2  | 85.2   |

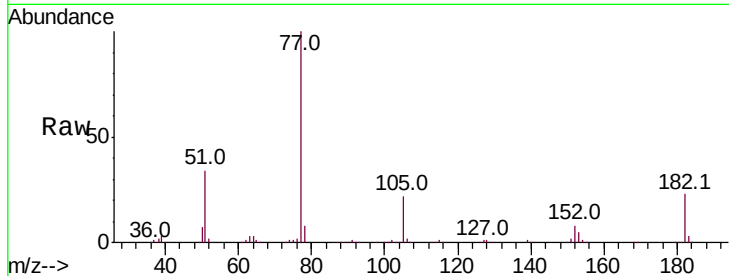




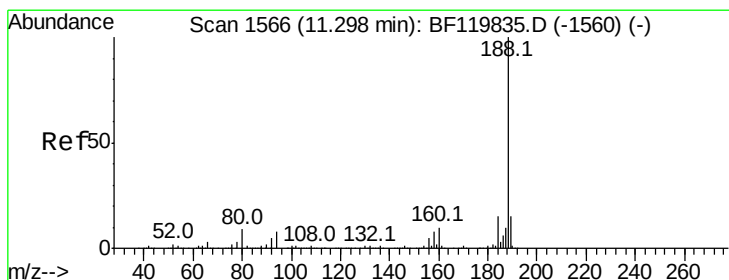
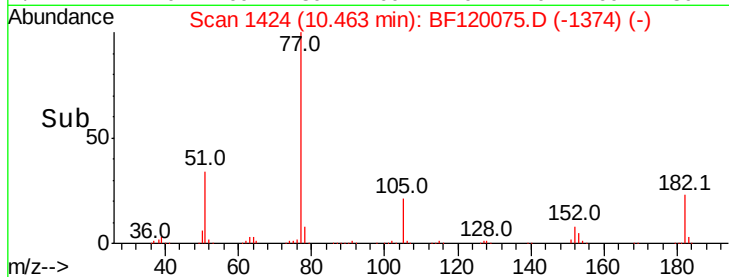
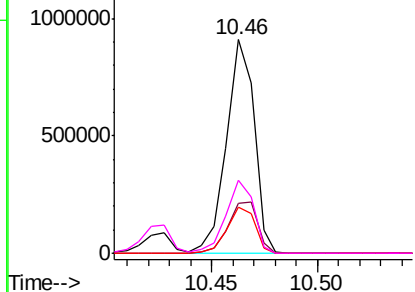
#63  
Azobenzene  
Concen: 45.457 ng  
RT: 10.46 min Scan# 1424  
Delta R.T. -0.01 min  
Lab File: BF120075.D  
Acq: 20 Apr 2020 14:02

Instrument :  
BNA\_F  
ClientSampleId :  
PB128301BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 182     | 23.1  | 4.5   | 44.5  |
| 105     | 21.5  | 2.2   | 42.2  |
| 51      | 34.0  | 15.1  | 55.1  |

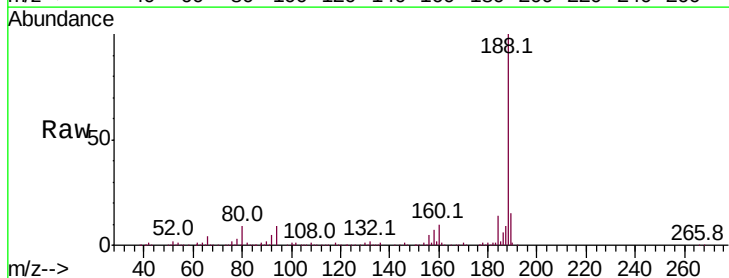


Abundance Ion 77.00 (76.70 to 77.70): BF1  
Ion 182.00 (181.70 to 182.70): BF1  
Ion 105.00 (104.70 to 105.70): BF1  
Ion 51.00 (50.70 to 51.70): BF1

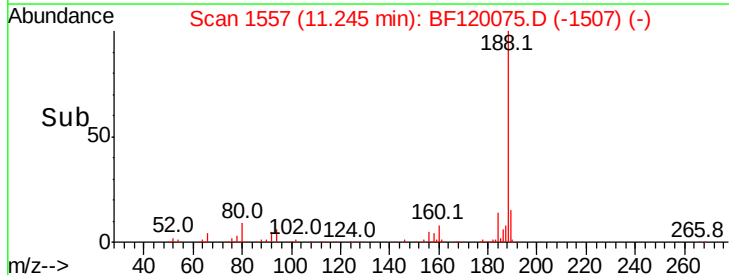
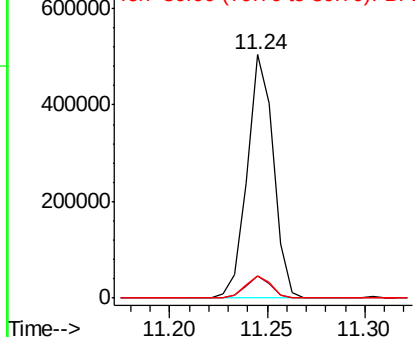


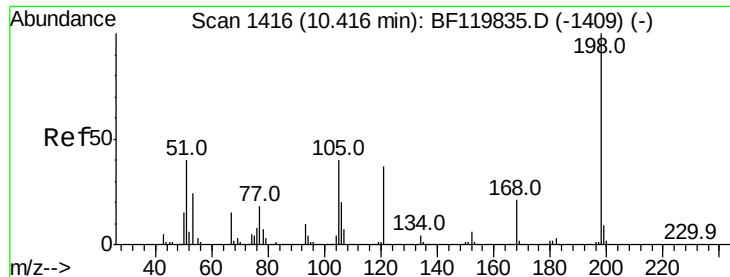
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.24 min Scan# 1557  
Delta R.T. -0.01 min  
Lab File: BF120075.D  
Acq: 20 Apr 2020 14:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 9.2   | 6.7   | 10.1  |
| 80      | 9.3   | 7.4   | 11.2  |



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

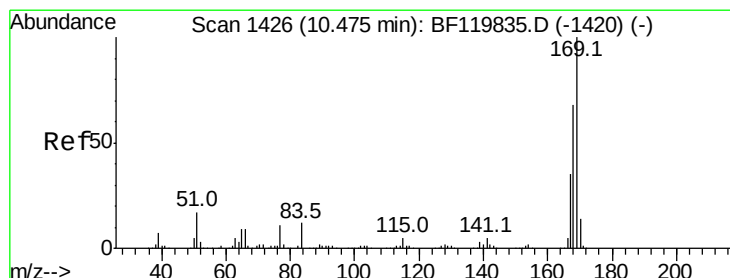
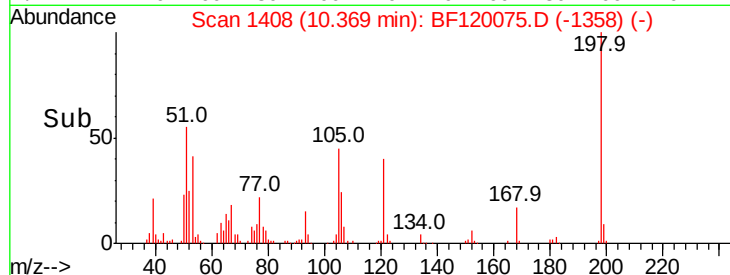
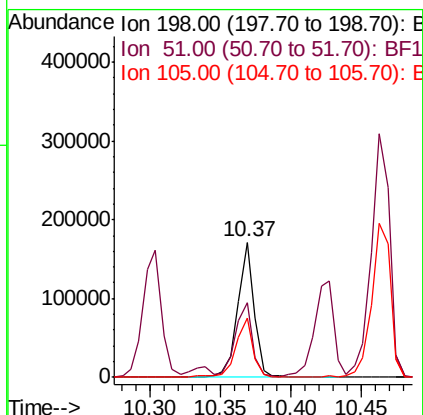
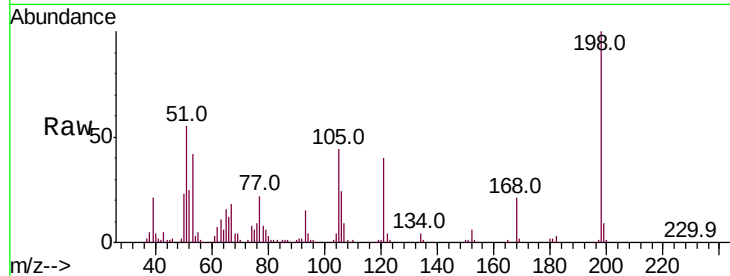




#65  
4,6-Dinitro-2-methylphenol  
Concen: 45.435 ng  
RT: 10.37 min Scan# 1408  
Delta R.T. -0.01 min  
Lab File: BF120075.D  
Acq: 20 Apr 2020 14:02

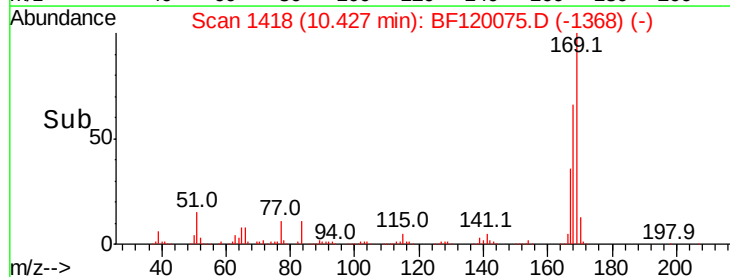
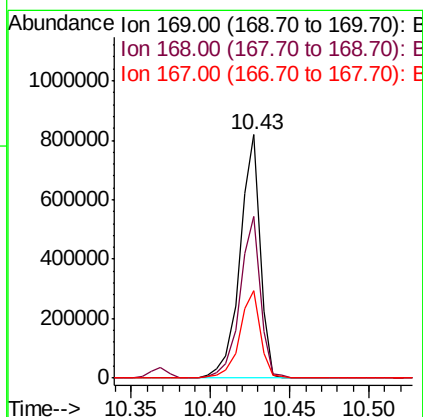
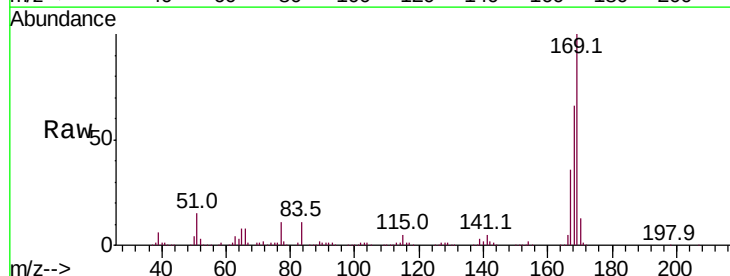
Instrument :  
BNA\_F  
ClientSampleId :  
PB128301BS

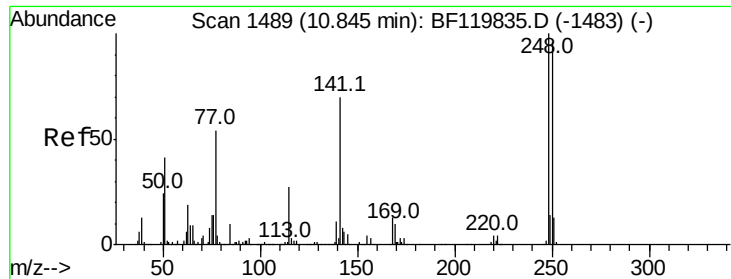
Tot Ion:198 Resp: 140620  
Ion Ratio Lower Upper  
198 100  
51 55.0 25.2 65.2  
105 44.3 20.8 60.8



#66  
n-Nitrosodiphenylamine  
Concen: 46.120 ng  
RT: 10.43 min Scan# 1418  
Delta R.T. -0.01 min  
Lab File: BF120075.D  
Acq: 20 Apr 2020 14:02

Tgt Ion:169 Resp: 720574  
Ion Ratio Lower Upper  
169 100  
168 66.4 54.2 81.4  
167 36.1 28.3 42.5

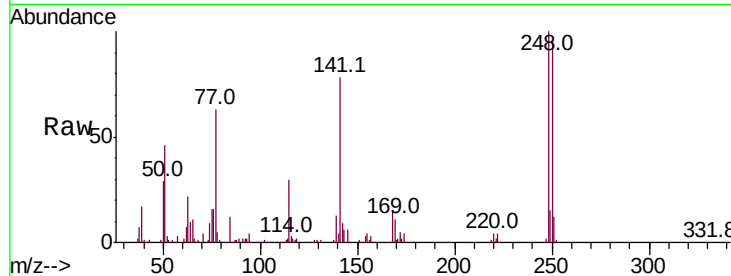




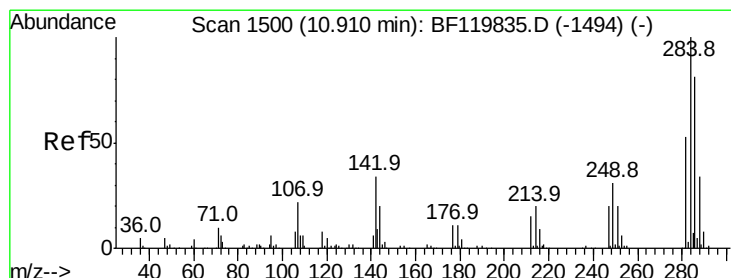
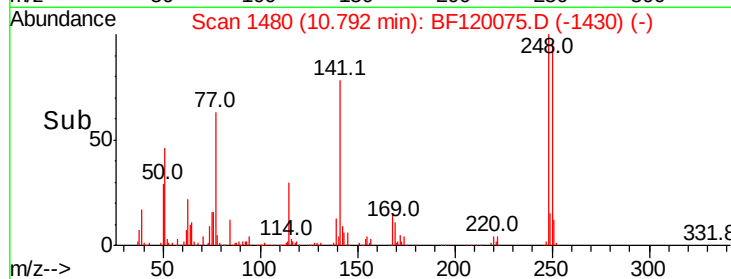
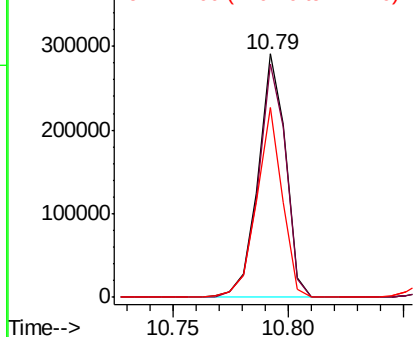
#67  
4-Bromophenyl-phenylether  
Concen: 41.176 ng  
RT: 10.79 min Scan# 1480  
Delta R.T. -0.01 min  
Lab File: BF120075.D  
Acq: 20 Apr 2020 14:02

Instrument :  
BNA\_F  
ClientSampleId :  
PB128301BS

Tot Ion:248 Resp: 240564  
Ion Ratio Lower Upper  
248 100  
250 96.1 76.6 114.8  
141 77.9 55.9 83.9

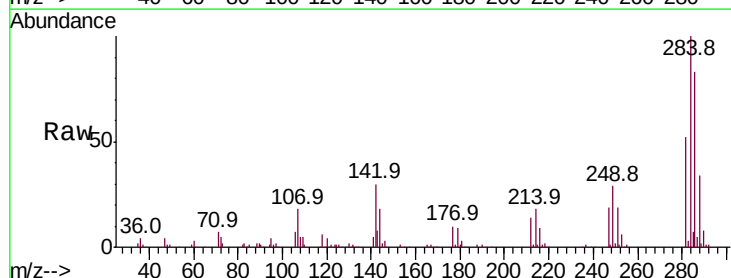


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

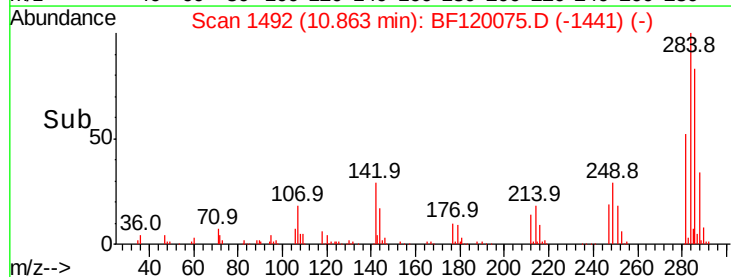
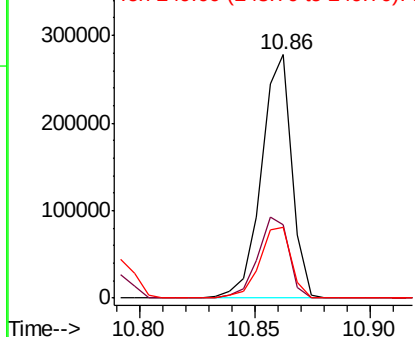


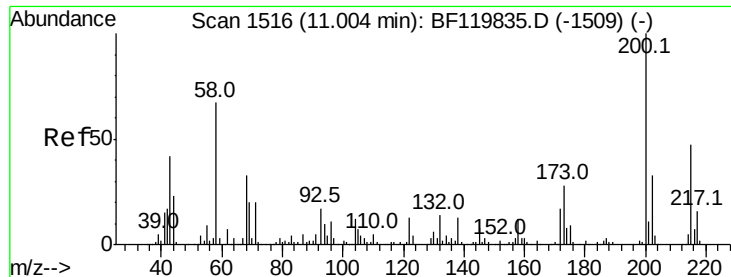
#68  
Hexachlorobenzene  
Concen: 43.053 ng  
RT: 10.86 min Scan# 1492  
Delta R.T. 0.00 min  
Lab File: BF120075.D  
Acq: 20 Apr 2020 14:02

Tgt Ion:284 Resp: 255165  
Ion Ratio Lower Upper  
284 100  
142 30.2 26.9 40.3  
249 29.1 24.6 37.0



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

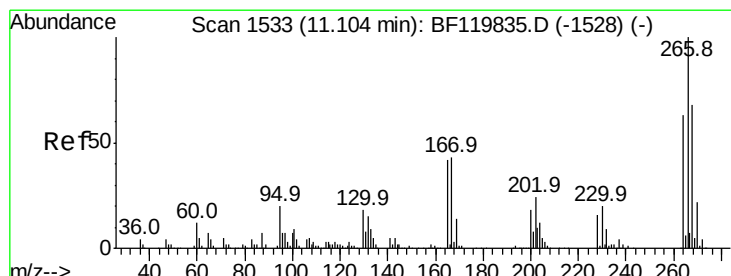
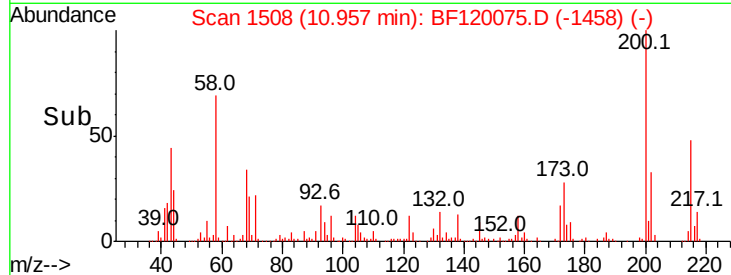
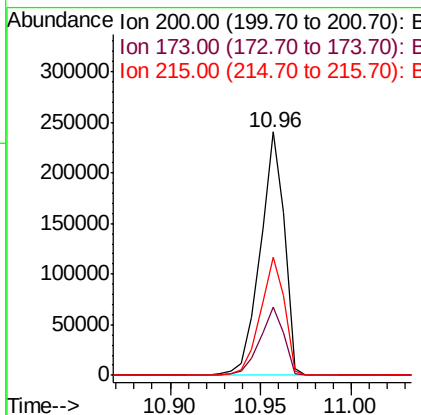
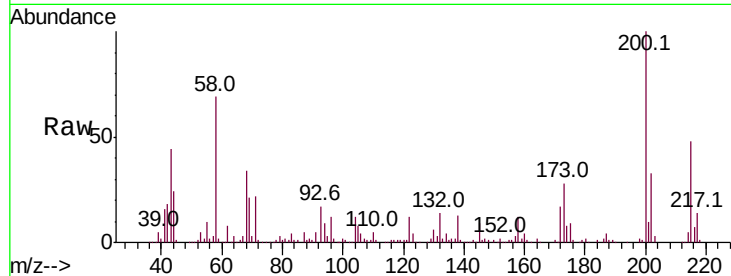




#69  
Atrazine  
Concen: 51.101 ng  
RT: 10.96 min Scan# 1508  
Delta R.T. -0.01 min  
Lab File: BF120075.D  
Acq: 20 Apr 2020 14:02

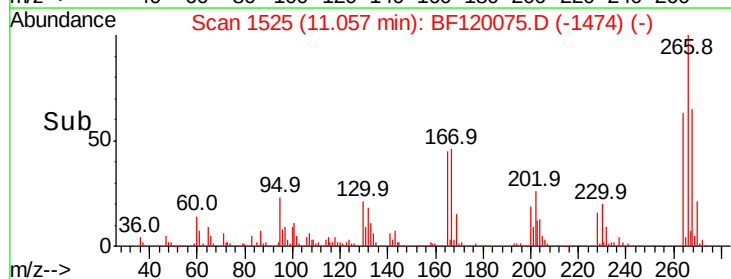
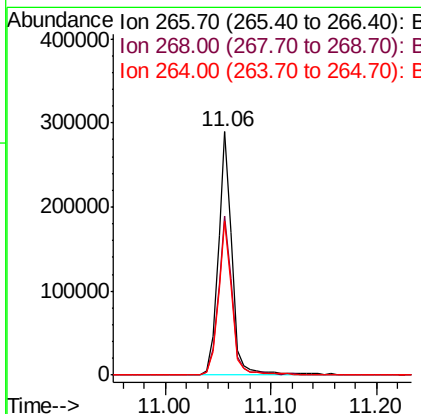
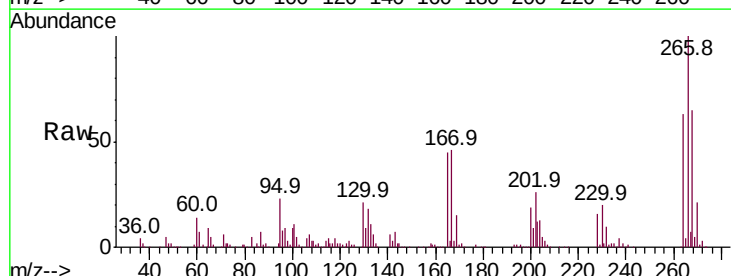
Instrument :  
BNA\_F  
ClientSampleId :  
PB128301BS

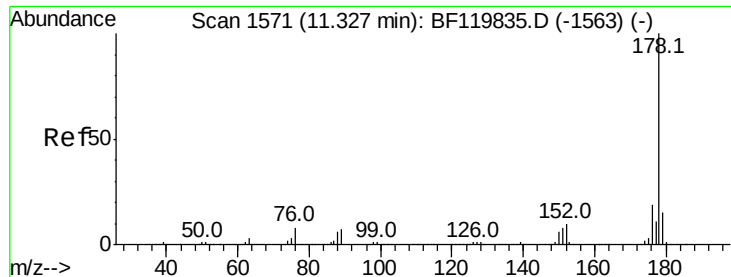
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 27.9  | 8.0   | 48.0  |
| 215     | 48.4  | 27.1  | 67.1  |



#70  
Pentachlorophenol  
Concen: 78.143 ng  
RT: 11.06 min Scan# 1525  
Delta R.T. 0.00 min  
Lab File: BF120075.D  
Acq: 20 Apr 2020 14:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 65.2  | 54.2  | 81.4  |
| 264     | 63.1  | 50.6  | 76.0  |

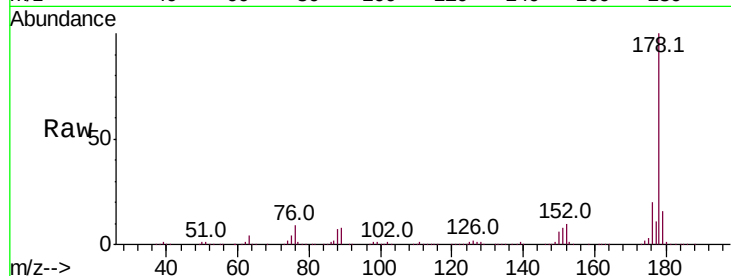




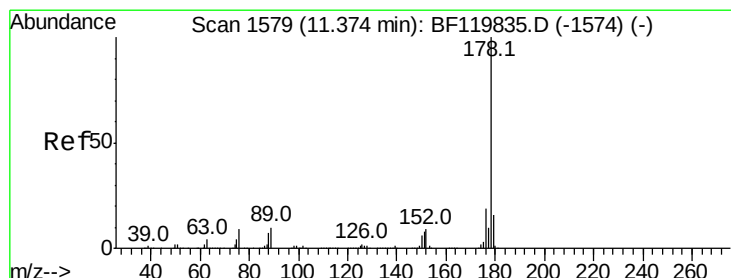
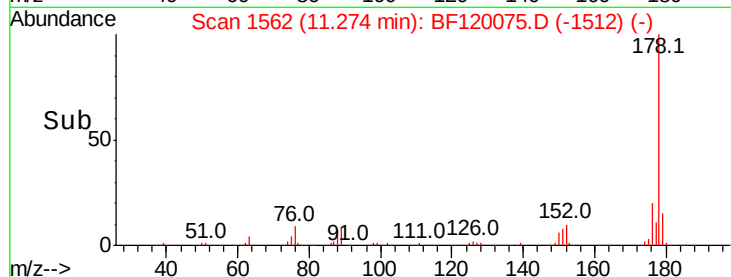
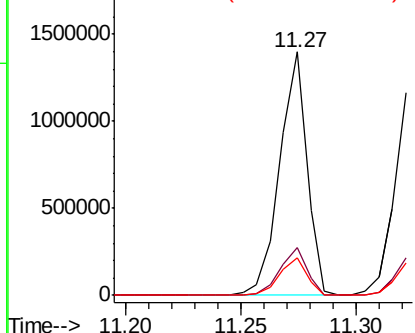
#71  
Phenanthrene  
Concen: 45.784 ng  
RT: 11.27 min Scan# 1562  
Delta R.T. -0.01 min  
Lab File: BF120075.D  
Acq: 20 Apr 2020 14:02

Instrument :  
BNA\_F  
ClientSampleId :  
PB128301BS

Tot Ion:178 Resp: 1144715  
Ion Ratio Lower Upper  
178 100  
176 19.5 15.1 22.7  
179 15.5 12.2 18.4

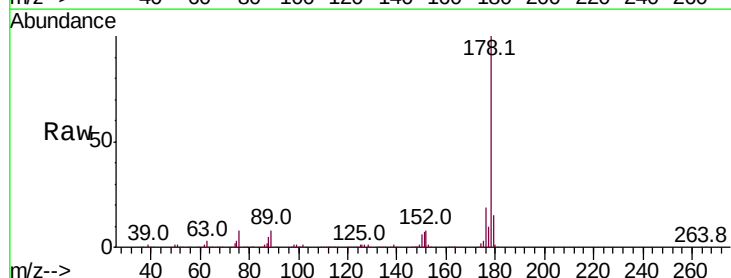


Abundance Ion 178.00 (177.70 to 178.70): E  
Ion 176.00 (175.70 to 176.70): E  
Ion 179.00 (178.70 to 179.70): E

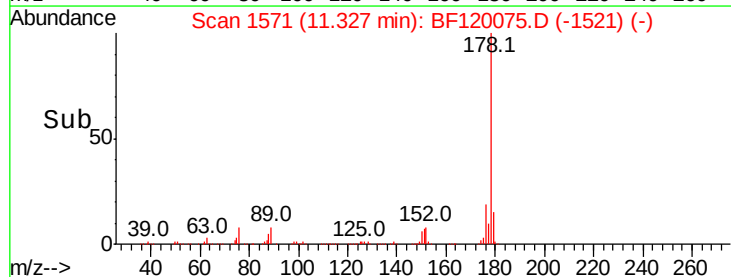
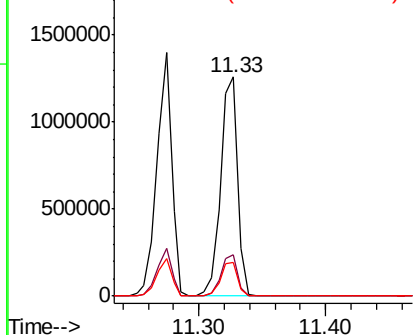


#72  
Anthracene  
Concen: 46.354 ng  
RT: 11.33 min Scan# 1571  
Delta R.T. -0.01 min  
Lab File: BF120075.D  
Acq: 20 Apr 2020 14:02

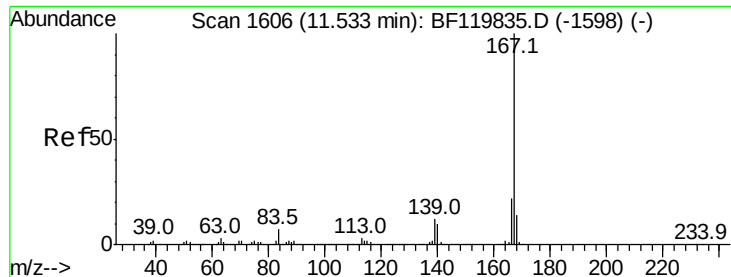
Tgt Ion:178 Resp: 1183957  
Ion Ratio Lower Upper  
178 100  
176 18.8 15.4 23.2  
179 15.2 12.8 19.2



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





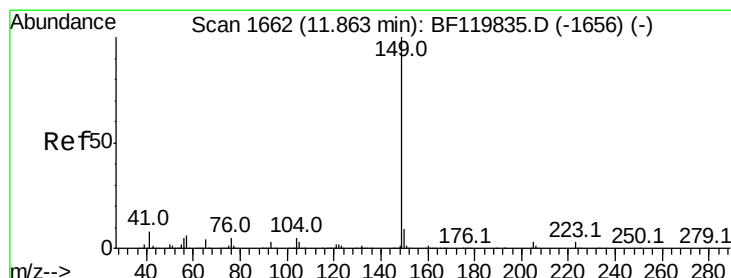
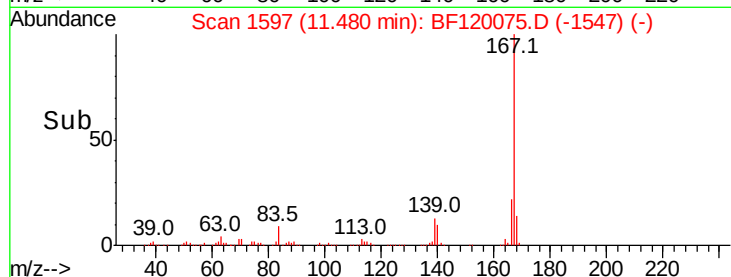
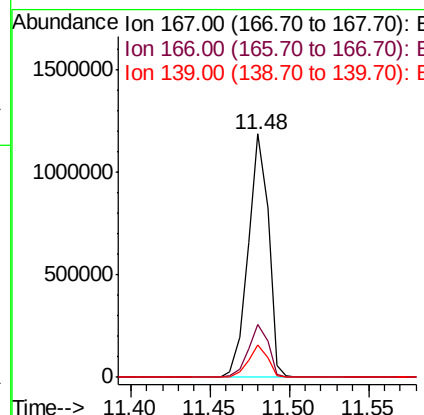
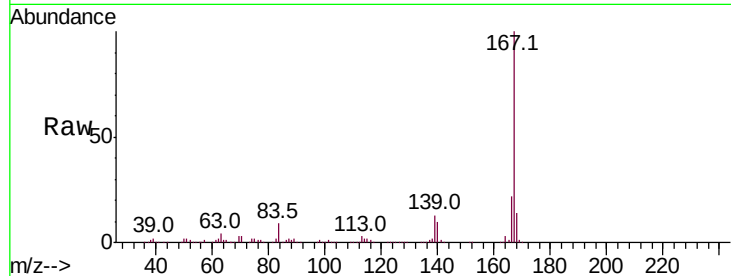


#73  
 Carbazole  
 Concen: 43.408 ng  
 RT: 11.48 min Scan# 1597  
 Delta R.T. -0.01 min  
 Lab File: BF120075.D  
 Acq: 20 Apr 2020 14:02

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB128301BS

Tot Ion:167 Resp: 1048486  

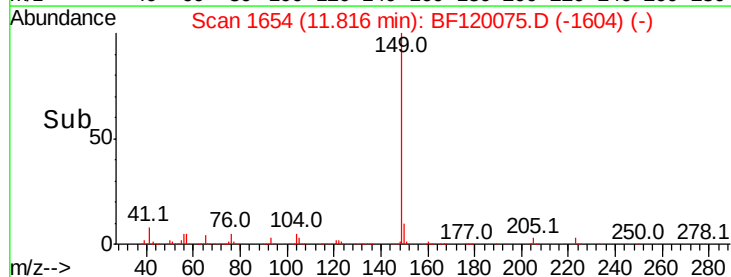
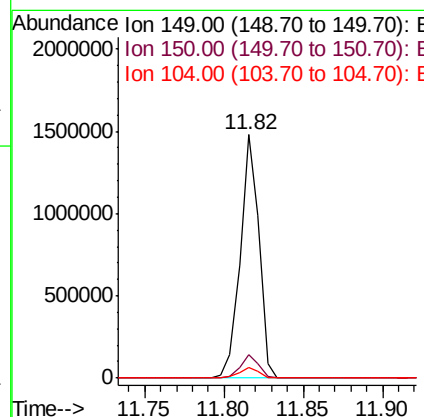
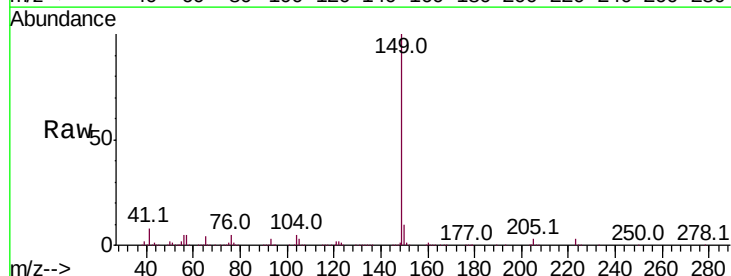
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 167 | 100   |       |       |
| 166 | 21.9  | 17.4  | 26.0  |
| 139 | 13.3  | 9.8   | 14.8  |

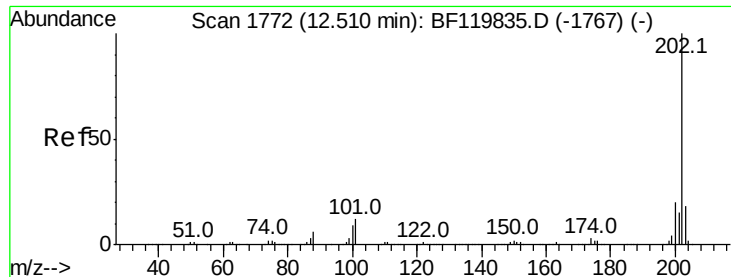


#74  
 Di-n-butylphthalate  
 Concen: 37.968 ng  
 RT: 11.82 min Scan# 1654  
 Delta R.T. -0.01 min  
 Lab File: BF120075.D  
 Acq: 20 Apr 2020 14:02

Tgt Ion:149 Resp: 1205578  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 150 | 9.8   | 7.6   | 11.4  |
| 104 | 4.6   | 3.8   | 5.6   |





#75

Fluoranthene

Concen: 38.615 ng

RT: 12.46 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BF120075.D

Acq: 20 Apr 2020 14:02

Instrument :

BNA\_F

ClientSampleId :

PB128301BS

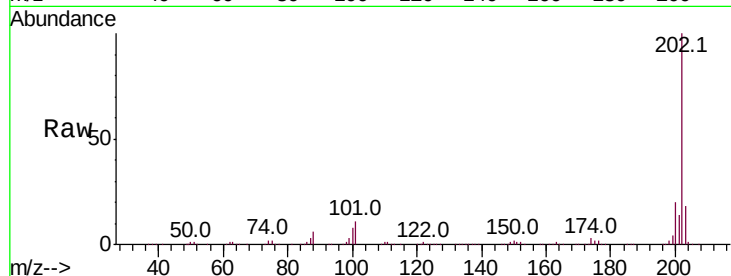
Tot Ion:202 Resp: 1041733

Ion Ratio Lower Upper

202 100

101 11.4 0.0 32.3

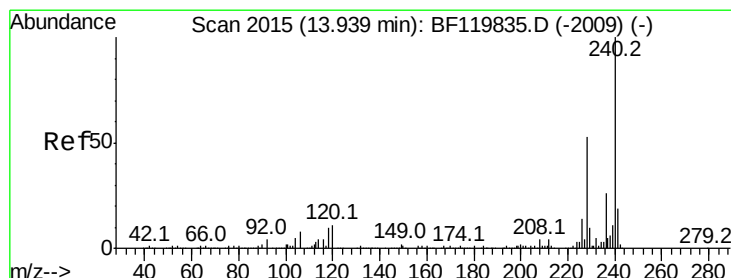
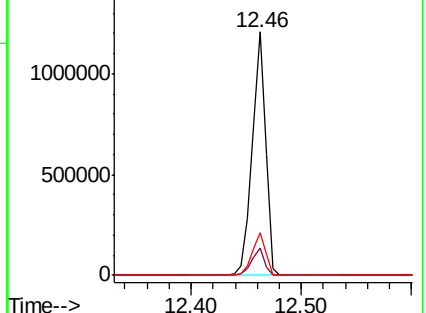
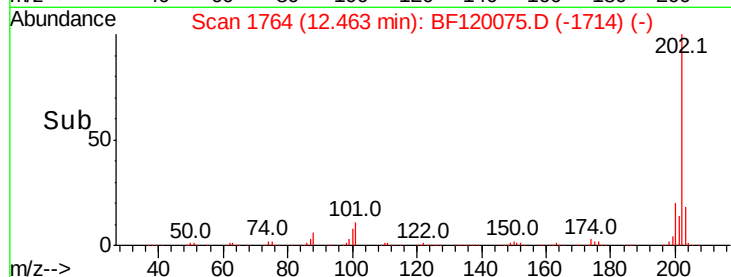
203 17.6 0.0 37.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.89 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF120075.D

Acq: 20 Apr 2020 14:02

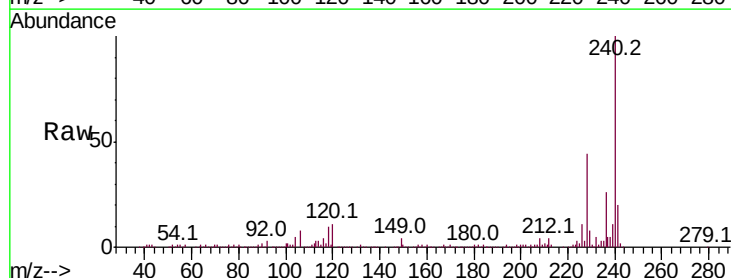
Tgt Ion:240 Resp: 293552

Ion Ratio Lower Upper

240 100

120 10.8 9.0 13.6

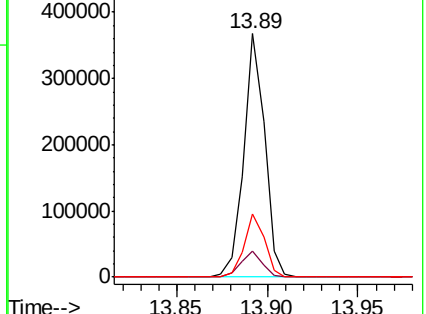
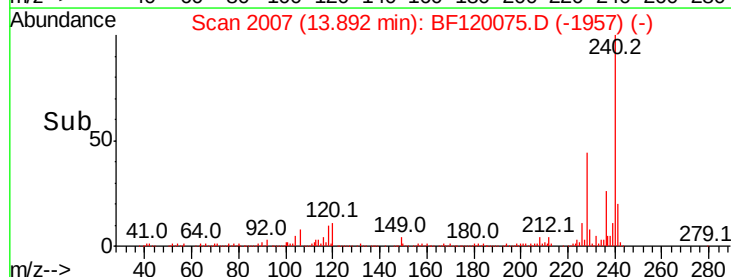
236 25.7 20.7 31.1

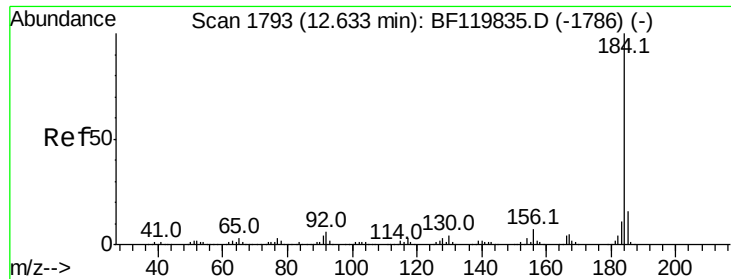


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 38.708 ng

RT: 12.59 min Scan# 1785

Delta R.T. -0.01 min

Lab File: BF120075.D

Acq: 20 Apr 2020 14:02

Instrument :

BNA\_F

ClientSampleId :

PB128301BS

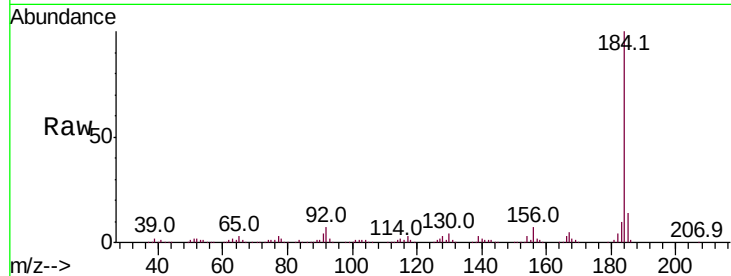
Tot Ion:184 Resp: 384095

Ion Ratio Lower Upper

184 100

185 13.8 13.2 19.8

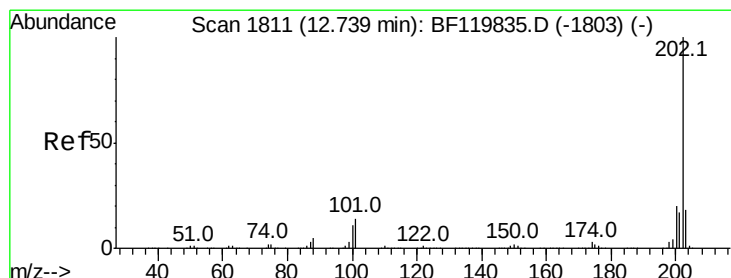
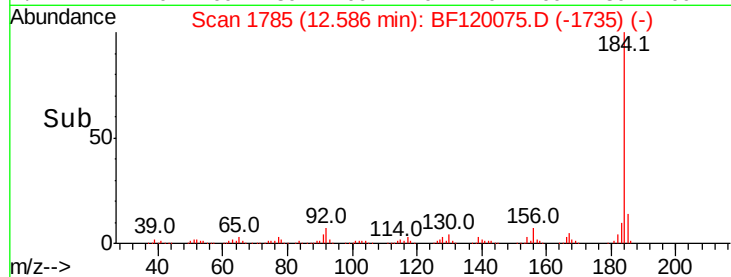
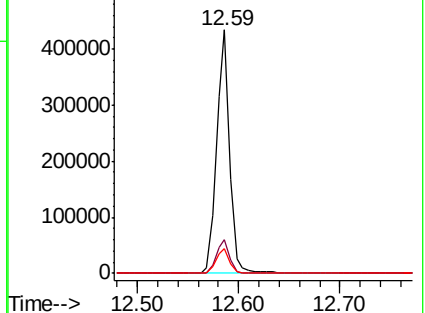
183 10.2 9.1 13.7



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: 41.981 ng

RT: 12.69 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF120075.D

Acq: 20 Apr 2020 14:02

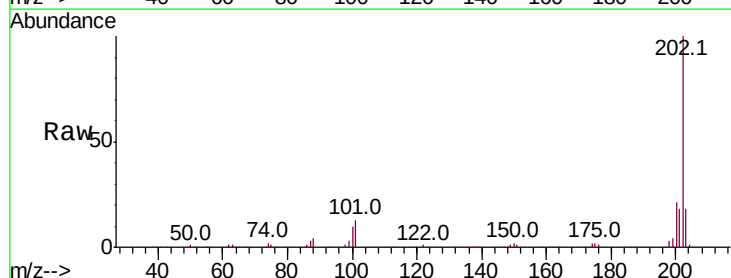
Tgt Ion:202 Resp: 1038899

Ion Ratio Lower Upper

202 100

200 20.5 16.2 24.2

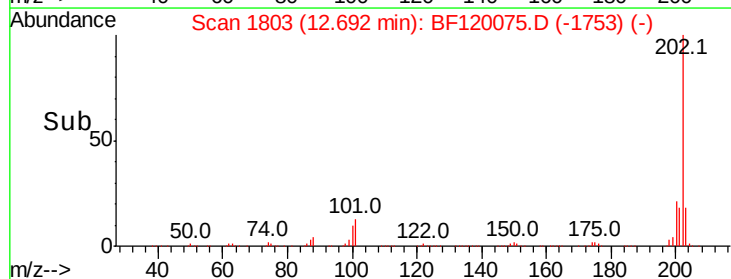
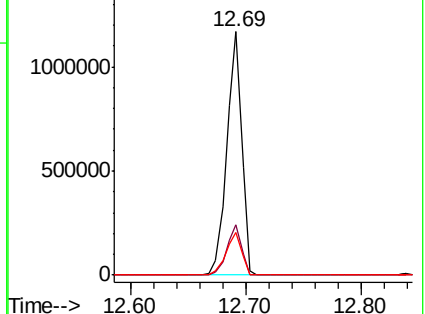
203 17.8 14.1 21.1

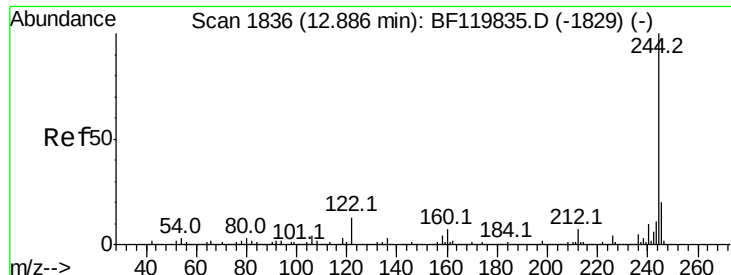


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 86.882 ng

RT: 12.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF120075.D

Acq: 20 Apr 2020 14:02

Instrument :

BNA\_F

ClientSampleId :

PB128301BS

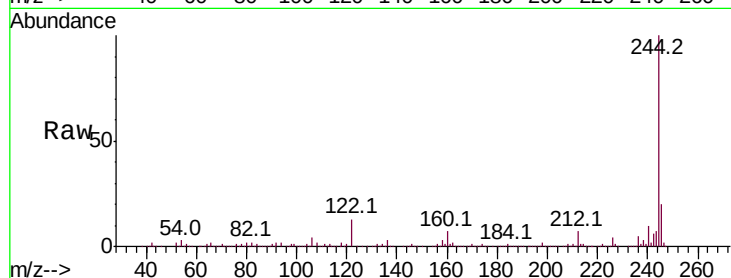
Tot Ion:244 Resp: 1515730

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

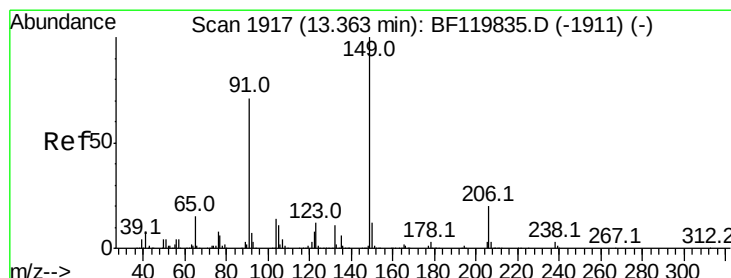
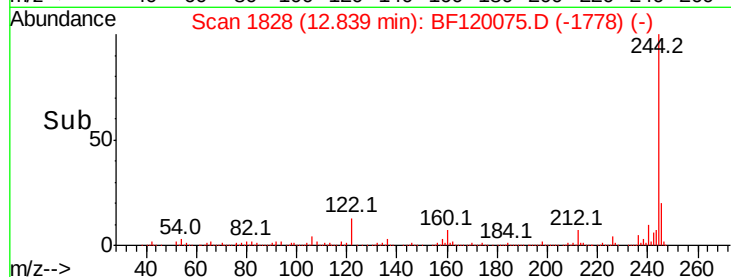
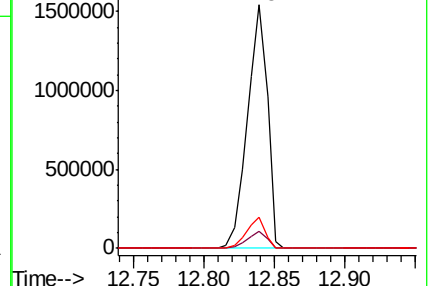
122 13.0 10.3 15.5



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: 40.034 ng

RT: 13.32 min Scan# 1909

Delta R.T. -0.01 min

Lab File: BF120075.D

Acq: 20 Apr 2020 14:02

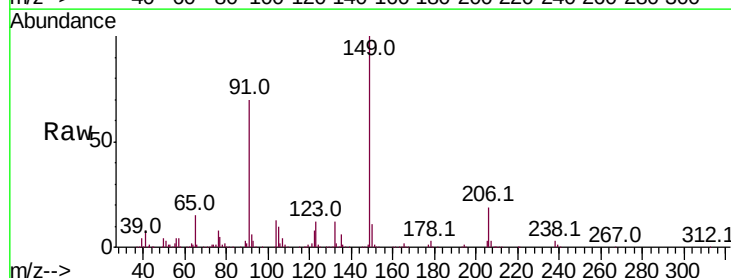
Tgt Ion:149 Resp: 480729

Ion Ratio Lower Upper

149 100

91 70.4 56.7 85.1

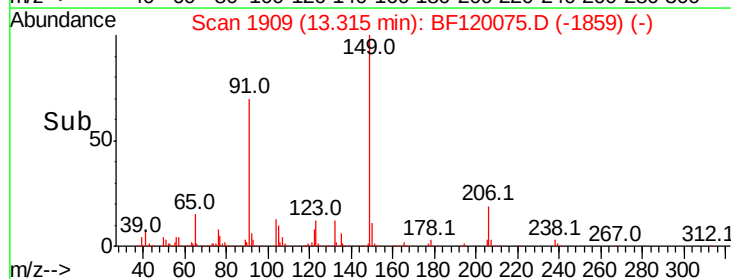
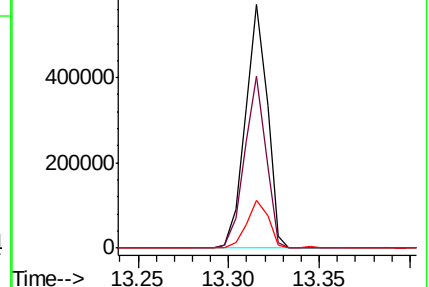
206 19.5 15.7 23.5

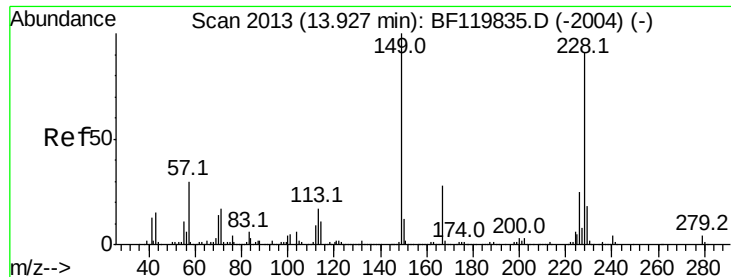


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 45.340 ng

RT: 13.88 min Scan# 2005

Delta R.T. -0.01 min

Lab File: BF120075.D

Acq: 20 Apr 2020 14:02

Instrument :

BNA\_F

ClientSampleId :

PB128301BS

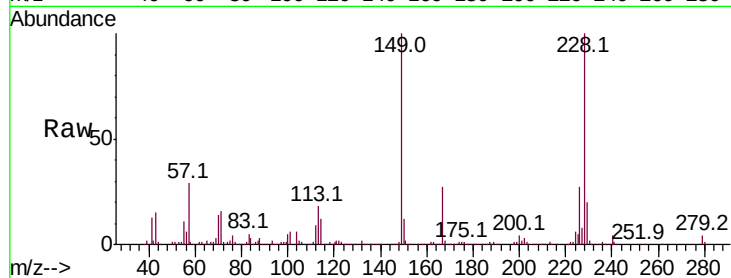
Tot Ion:228 Resp: 875601

Ion Ratio Lower Upper

228 100

226 26.8 21.9 32.9

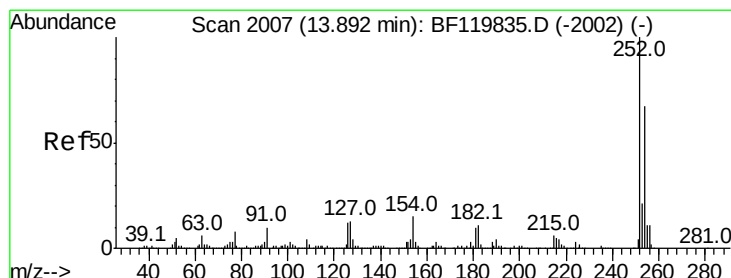
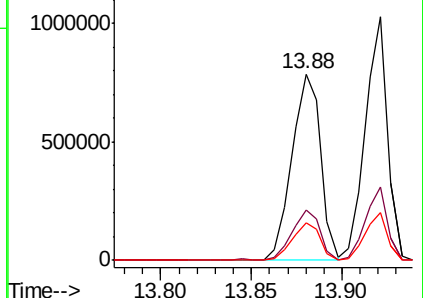
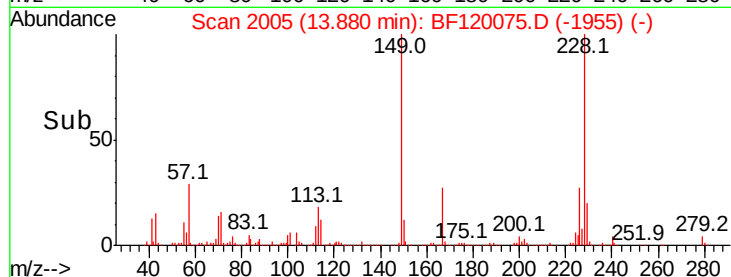
229 19.9 15.9 23.9



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 24.605 ng

RT: 13.84 min Scan# 1999

Delta R.T. -0.01 min

Lab File: BF120075.D

Acq: 20 Apr 2020 14:02

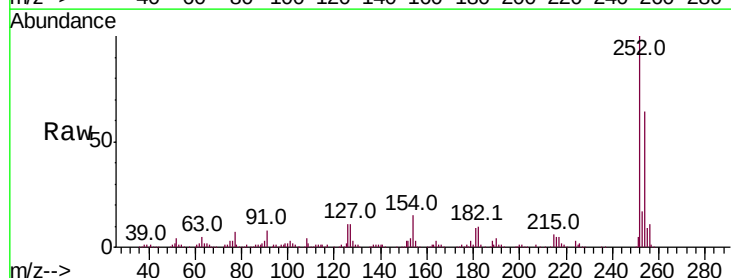
Tgt Ion:252 Resp: 177296

Ion Ratio Lower Upper

252 100

254 64.2 53.9 80.9

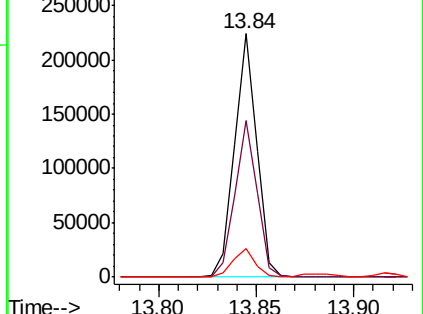
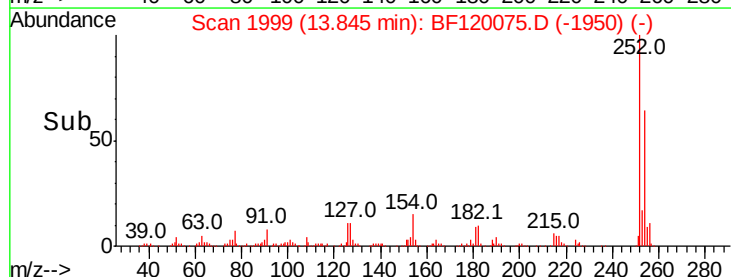
126 11.5 9.7 14.5

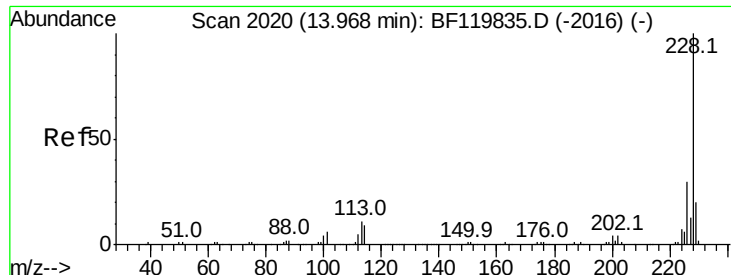


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 44.606 ng

RT: 13.92 min Scan# 2012

Delta R.T. -0.01 min

Lab File: BF120075.D

Acq: 20 Apr 2020 14:02

Instrument :

BNA\_F

ClientSampleId :

PB128301BS

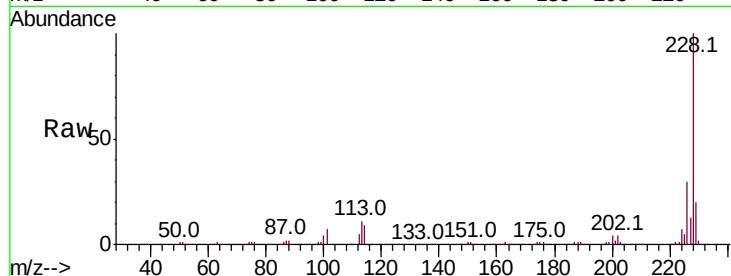
Tot Ion:228 Resp: 875284

Ion Ratio Lower Upper

228 100

226 30.0 24.2 36.2

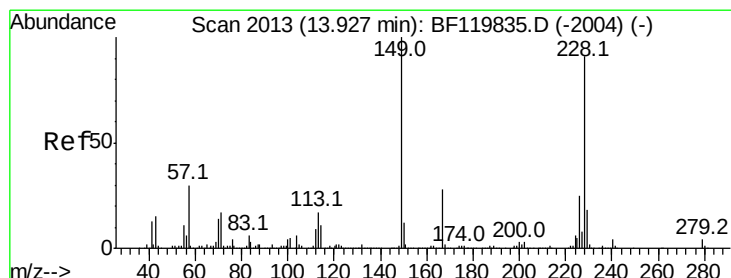
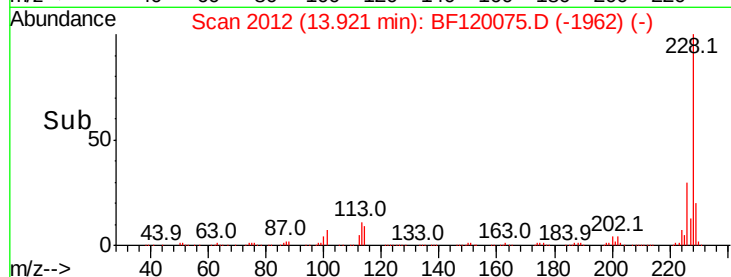
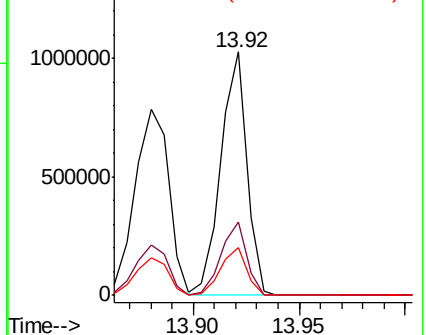
229 19.8 15.9 23.9



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 42.480 ng

RT: 13.88 min Scan# 2005

Delta R.T. 0.00 min

Lab File: BF120075.D

Acq: 20 Apr 2020 14:02

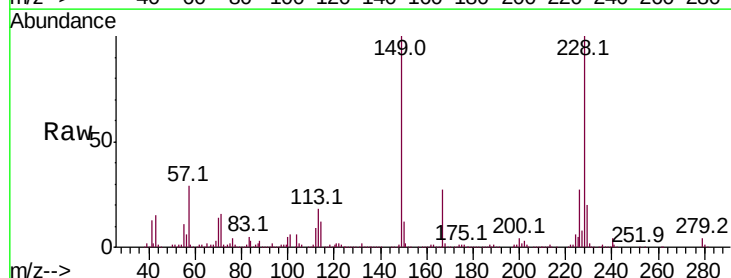
Tgt Ion:149 Resp: 690779

Ion Ratio Lower Upper

149 100

167 27.0 22.2 33.2

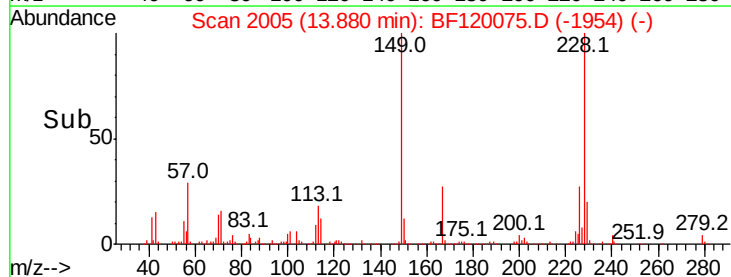
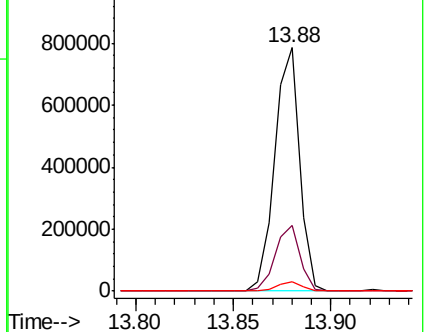
279 4.0 3.4 5.0

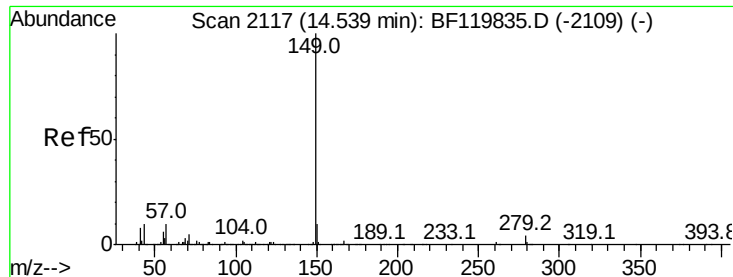


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

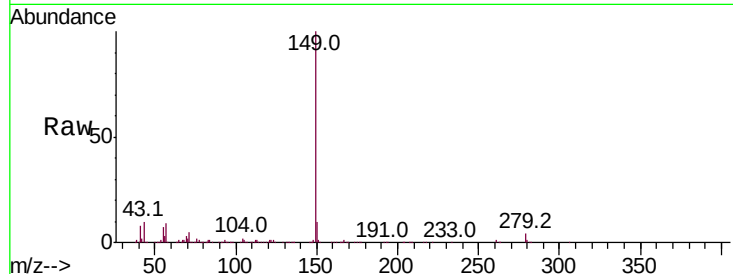




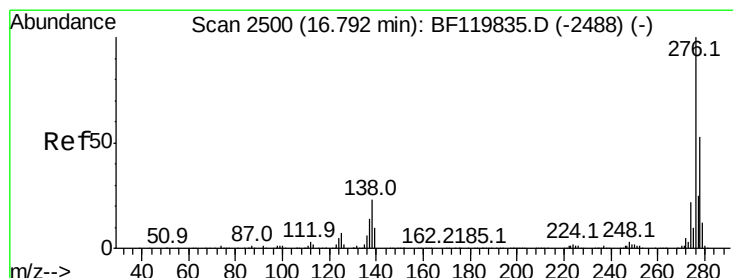
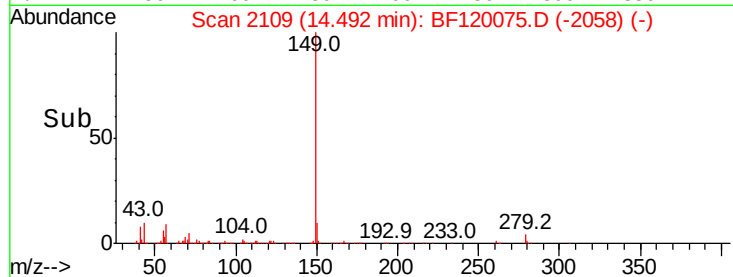
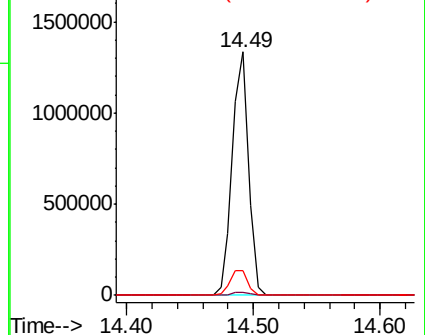
#85  
Di-n-octyl phthalate  
Concen: 42.395 ng  
RT: 14.49 min Scan# 2109  
Delta R.T. 0.00 min  
Lab File: BF120075.D  
Acq: 20 Apr 2020 14:02

Instrument :  
BNA\_F  
ClientSampleId :  
PB128301BS

Tot Ion:149 Resp: 1173813  
Ion Ratio Lower Upper  
149 100  
167 1.5 1.2 1.8  
43 11.1 9.2 13.8

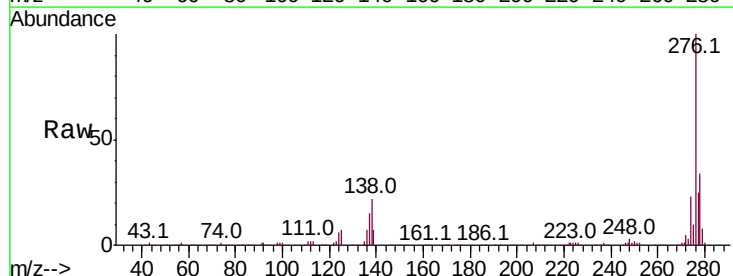


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 167.00 (166.70 to 167.70): E  
Ion 43.00 (42.70 to 43.70): BF1

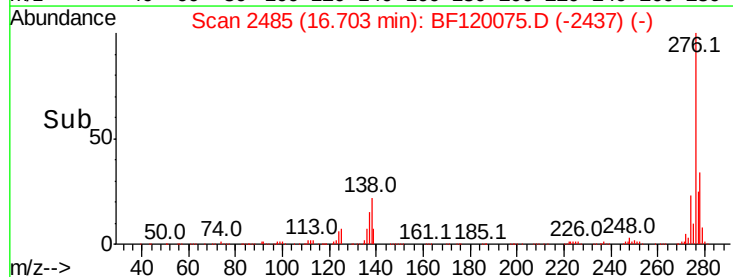
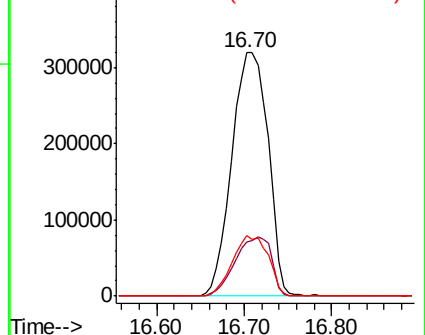


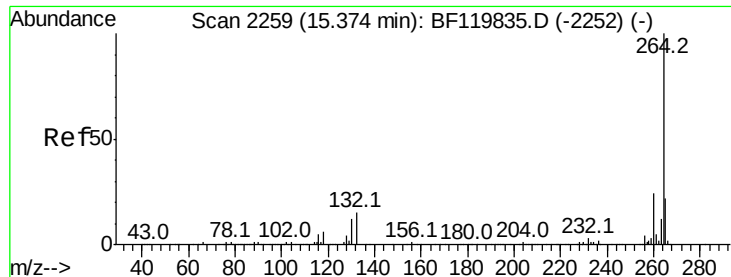
#86  
Indeno(1,2,3-cd)pyrene  
Concen: 52.170 ng  
RT: 16.70 min Scan# 2485  
Delta R.T. -0.02 min  
Lab File: BF120075.D  
Acq: 20 Apr 2020 14:02

Tgt Ion:276 Resp: 902379  
Ion Ratio Lower Upper  
276 100  
138 24.1 18.0 27.0  
277 24.6 20.1 30.1



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

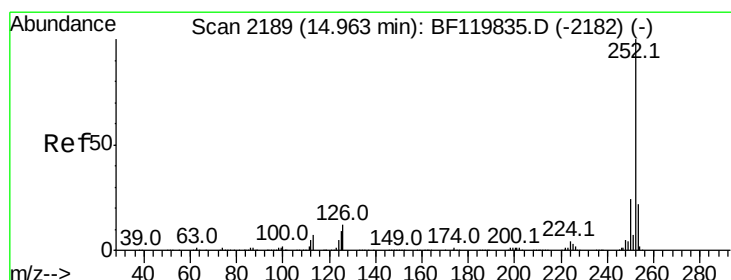
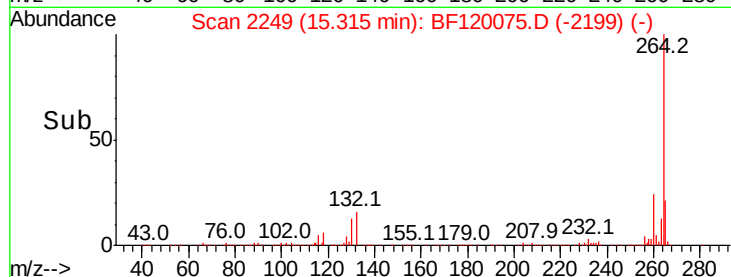
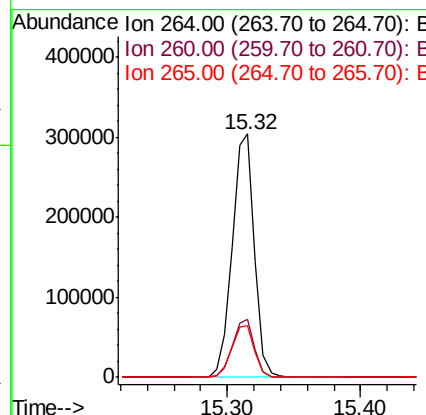
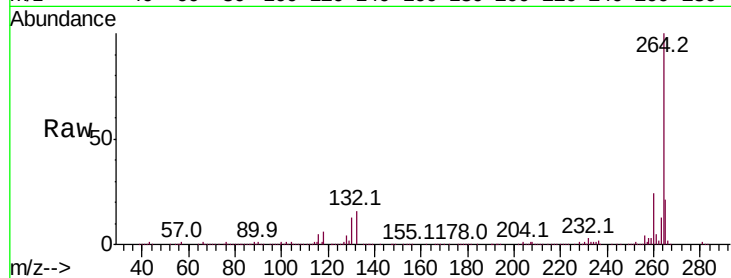




#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.32 min Scan# 2249  
Delta R.T. -0.01 min  
Lab File: BF120075.D  
Acq: 20 Apr 2020 14:02

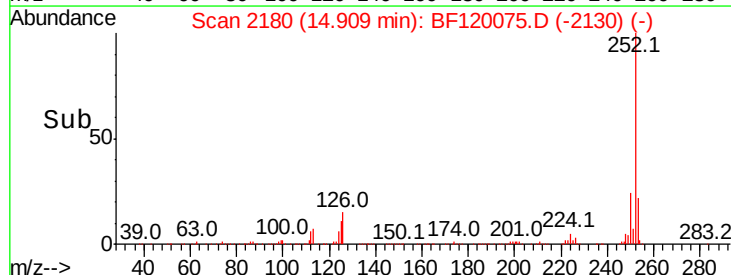
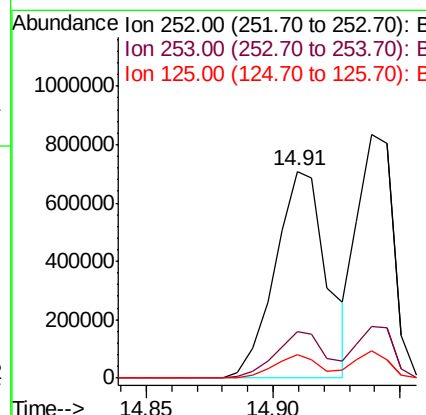
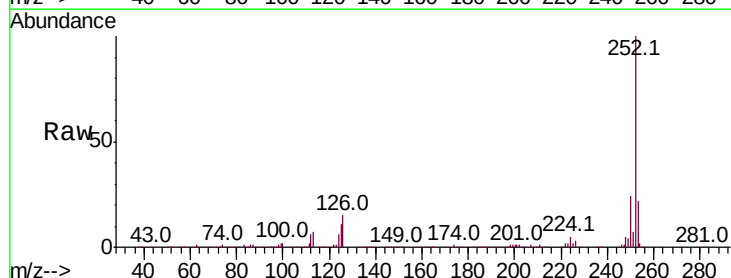
Instrument :  
BNA\_F  
ClientSampleId :  
PB128301BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.8  | 19.3  | 28.9  |
| 265     | 21.3  | 17.6  | 26.4  |

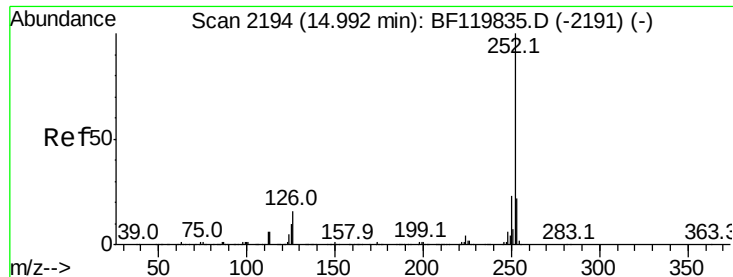


#88  
Benzo(b)fluoranthene  
Concen: 39.514 ng  
RT: 14.91 min Scan# 2180  
Delta R.T. -0.01 min  
Lab File: BF120075.D  
Acq: 20 Apr 2020 14:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.5  | 17.7  | 26.5  |
| 125     | 11.0  | 7.4   | 11.2  |



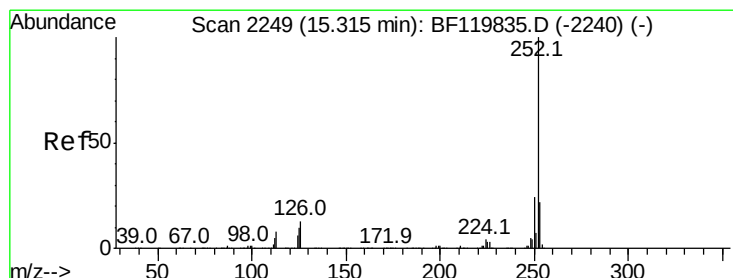
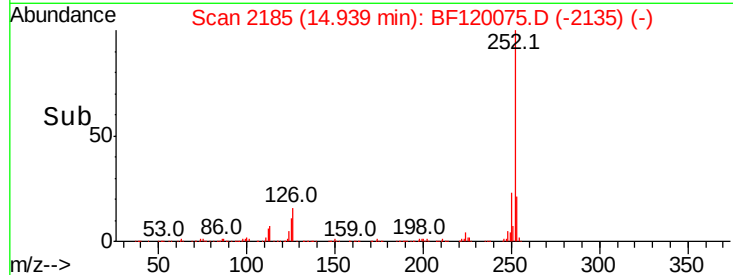
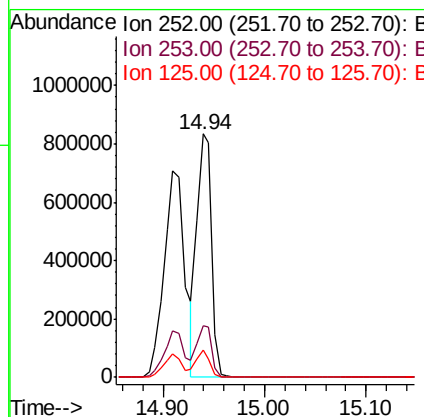
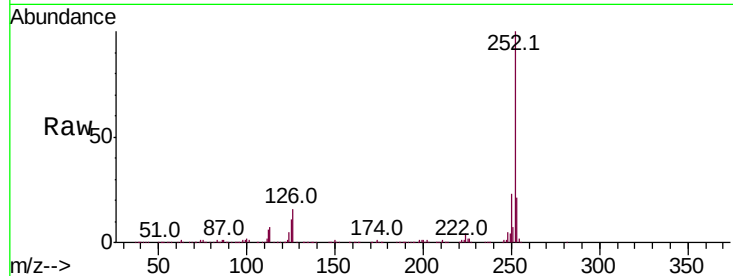




#89  
Benzo(k)fluoranthene  
Concen: 37.745 ng  
RT: 14.94 min Scan# 2185  
Delta R.T. -0.01 min  
Lab File: BF120075.D  
Acq: 20 Apr 2020 14:02

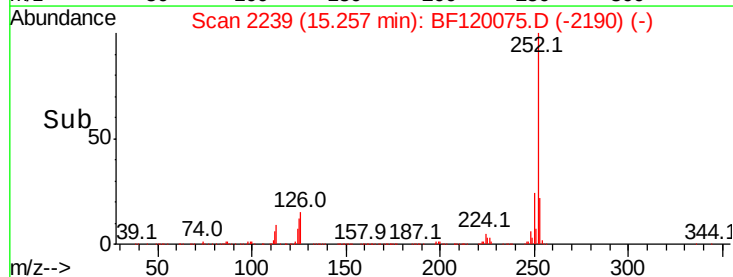
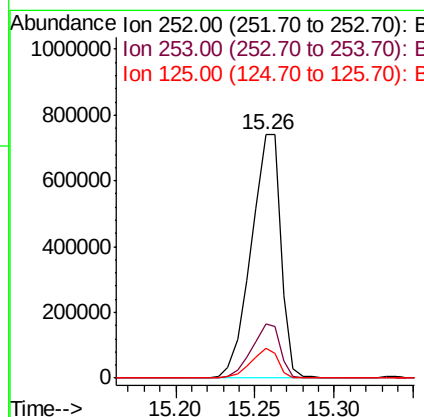
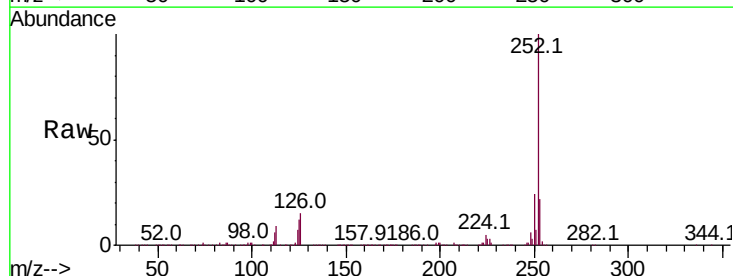
Instrument :  
BNA\_F  
ClientSampled :  
PB128301BS

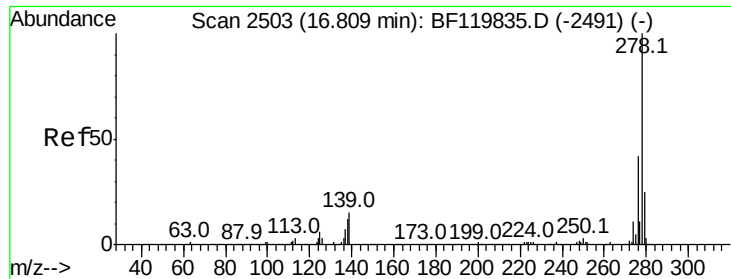
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.3  | 17.8  | 26.8  |
| 125     | 11.2  | 7.7   | 11.5  |



#90  
Benzo(a)pyrene  
Concen: 45.163 ng  
RT: 15.26 min Scan# 2239  
Delta R.T. -0.01 min  
Lab File: BF120075.D  
Acq: 20 Apr 2020 14:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.2  | 17.4  | 26.2  |
| 125     | 12.4  | 8.3   | 12.5  |





#91

Dibenzo(a,h)anthracene

Concen: 39.163 ng

RT: 16.73 min Scan# 2489

Delta R.T. -0.01 min

Lab File: BF120075.D

Acq: 20 Apr 2020 14:02

Instrument :

BNA\_F

ClientSampleId :

PB128301BS

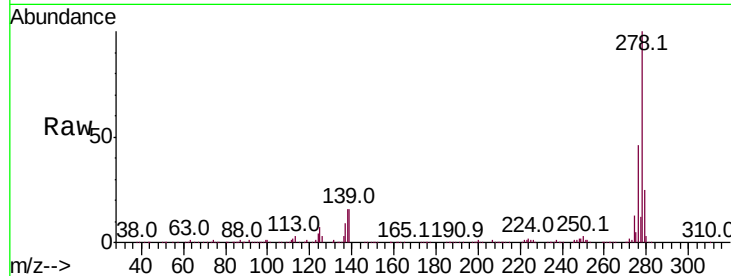
Tot Ion:278 Resp: 742759

Ion Ratio Lower Upper

278 100

139 16.1 11.6 17.4

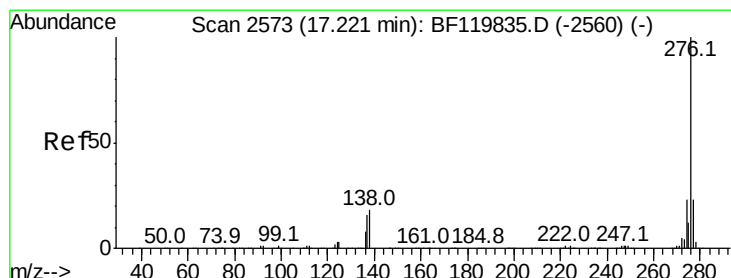
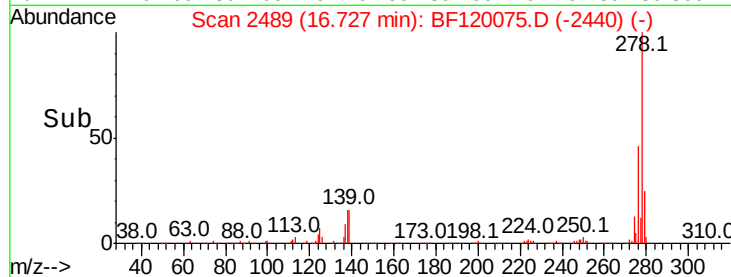
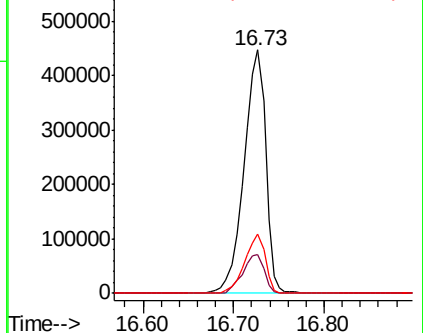
279 24.6 19.7 29.5



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: 37.759 ng

RT: 17.13 min Scan# 2558

Delta R.T. -0.01 min

Lab File: BF120075.D

Acq: 20 Apr 2020 14:02

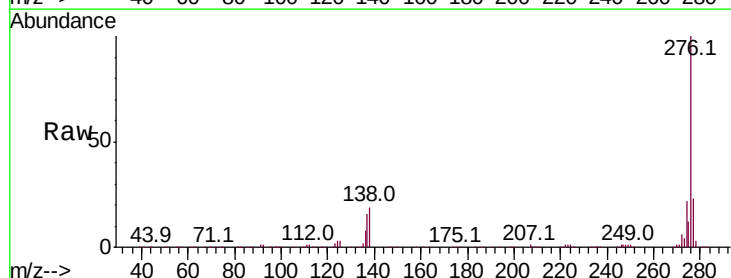
Tgt Ion:276 Resp: 706903

Ion Ratio Lower Upper

276 100

277 23.2 18.5 27.7

138 19.2 14.6 22.0



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

