

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF050219\  
 Data File : BF114089.D  
 Acq On : 2 May 2019 17:24  
 Operator : JU/SJ  
 Sample : K2652-01MS  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DRUM-1-4MS

Quant Time: May 03 00:54:24 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Apr 23 03:32:35 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.89  | 152  | 69325    | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8        | 8.17  | 136  | 241244   | 20.00 | ng    | -0.01    |
| 39) Acenaphthene-d10      | 9.93  | 164  | 130718   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.41 | 188  | 301669   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 14.06 | 240  | 188410   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.57 | 264  | 203392   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |        |        |    |       |
|--------------------------|-------|-----|--------|--------|----|-------|
| 5) 2-Fluorophenol        | 5.52  | 112 | 566441 | 139.75 | ng | 0.00  |
| 7) Phenol-d6             | 6.53  | 99  | 719332 | 141.45 | ng | 0.00  |
| 23) Nitrobenzene-d5      | 7.45  | 82  | 405344 | 103.74 | ng | 0.00  |
| 42) 2,4,6-Tribromophenol | 10.72 | 330 | 272342 | 171.02 | ng | 0.00  |
| 45) 2-Fluorobiphenyl     | 9.25  | 172 | 821744 | 98.32  | ng | -0.01 |
| 79) Terphenyl-d14        | 12.99 | 244 | 964250 | 104.92 | ng | -0.01 |

## Target Compounds

|                                |      |     |        |        |    | Qvalue |
|--------------------------------|------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.66 | 88  | 66071  | 34.580 | ng | 96     |
| 3) Pyridine                    | 3.43 | 79  | 207096 | 39.710 | ng | 98     |
| 4) n-Nitrosodimethylamine      | 3.36 | 42  | 72964  | 40.870 | ng | 95     |
| 6) Aniline                     | 6.55 | 93  | 190308 | 27.253 | ng | 100    |
| 8) 2-Chlorophenol              | 6.68 | 128 | 202227 | 43.700 | ng | 95     |
| 9) Benzaldehyde                | 6.43 | 77  | 39752  | 9.202  | ng | 94     |
| 10) Phenol                     | 6.54 | 94  | 284107 | 46.722 | ng | 96     |
| 11) bis(2-Chloroethyl)ether    | 6.62 | 93  | 208689 | 45.606 | ng | 96     |
| 12) 1,3-Dichlorobenzene        | 6.83 | 146 | 222738 | 42.499 | ng | 96     |
| 13) 1,4-Dichlorobenzene        | 6.90 | 146 | 222439 | 42.196 | ng | 98     |
| 14) 1,2-Dichlorobenzene        | 7.06 | 146 | 211539 | 43.664 | ng | 98     |
| 15) Benzyl Alcohol             | 7.03 | 79  | 181266 | 52.925 | ng | 97     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.16 | 45  | 201684 | 37.757 | ng | 95     |
| 17) 2-Methylphenol             | 7.14 | 107 | 165999 | 40.923 | ng | 97     |
| 18) Hexachloroethane           | 7.40 | 117 | 73597  | 39.827 | ng | 99     |
| 19) n-Nitroso-di-n-propylamine | 7.30 | 70  | 138057 | 41.922 | ng | 100    |
| 20) 3+4-Methylphenols          | 7.29 | 107 | 202933 | 44.280 | ng | # 64   |
| 22) Acetophenone               | 7.29 | 105 | 275707 | 51.357 | ng | # 93   |
| 24) Nitrobenzene               | 7.47 | 77  | 204661 | 47.405 | ng | 95     |
| 25) Isophorone                 | 7.70 | 82  | 361321 | 45.195 | ng | 97     |
| 26) 2-Nitrophenol              | 7.79 | 139 | 100416 | 50.984 | ng | 99     |
| 27) 2,4-Dimethylphenol         | 7.82 | 122 | 168181 | 52.410 | ng | 99     |
| 28) bis(2-Chloroethoxy)methane | 7.92 | 93  | 229105 | 44.972 | ng | 98     |
| 29) 2,4-Dichlorophenol         | 8.03 | 162 | 175749 | 47.894 | ng | 99     |
| 30) 1,2,4-Trichlorobenzene     | 8.11 | 180 | 190573 | 46.577 | ng | 100    |
| 31) Naphthalene                | 8.19 | 128 | 553615 | 48.307 | ng | 99     |
| 32) Benzoic acid               | 7.82 | 122 | 168181 | 77.608 | ng | # 14   |
| 33) 4-Chloroaniline            | 8.24 | 127 | 112753 | 23.252 | ng | 96     |
| 34) Hexachlorobutadiene        | 8.31 | 225 | 111953 | 43.892 | ng | 99     |
| 35) Caprolactam                | 8.59 | 113 | 51534  | 44.148 | ng | 93     |
| 36) 4-Chloro-3-methylphenol    | 8.72 | 107 | 171851 | 47.271 | ng | 97     |
| 37) 2-Methylnaphthalene        | 8.89 | 142 | 378689 | 49.001 | ng | 99     |
| 38) 1-Methylnaphthalene        | 8.99 | 142 | 353750 | 47.426 | ng | 98     |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.05 | 216 | 191628 | 45.130 | ng | 99     |

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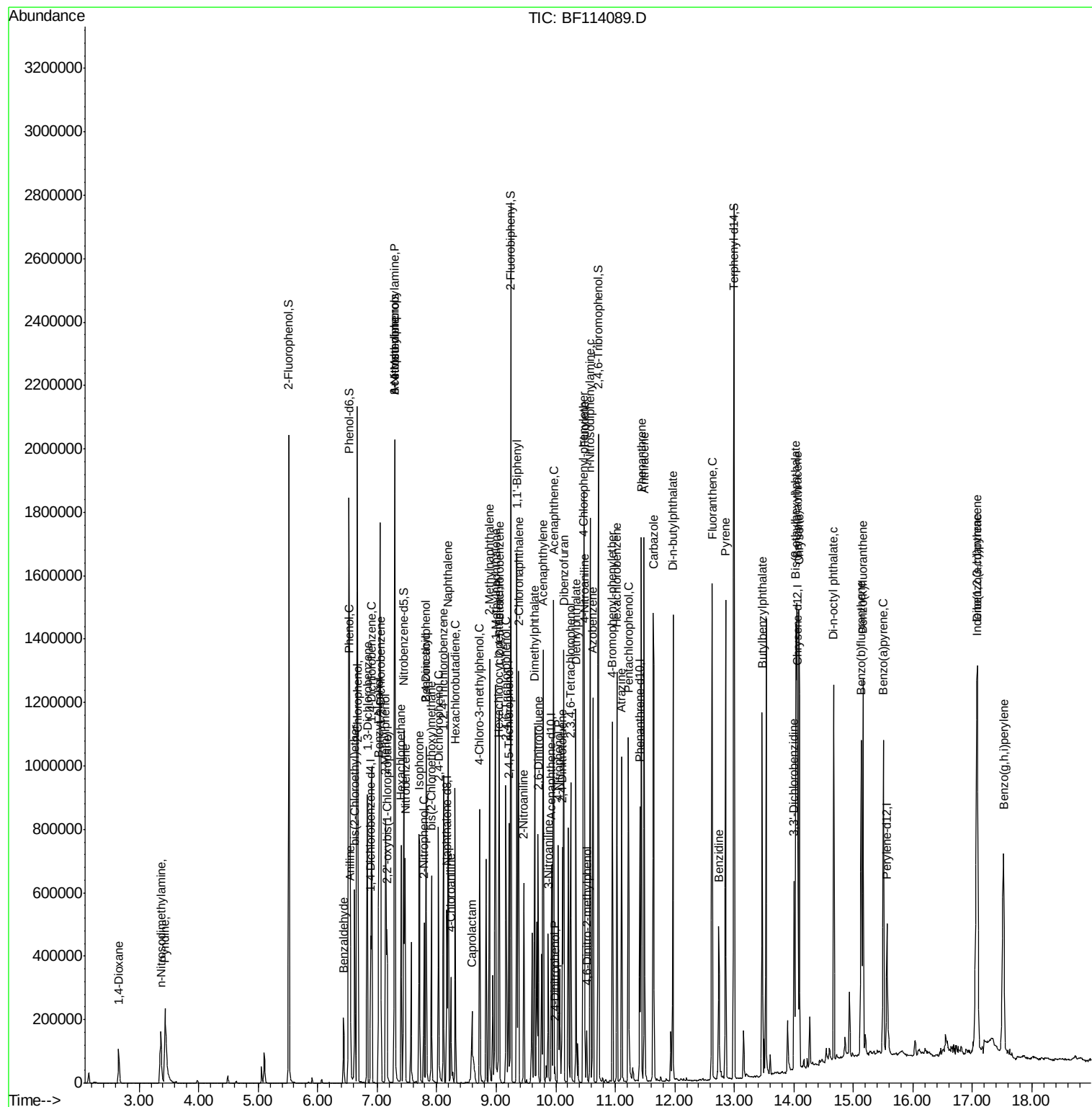
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 9.04  | 237  | 101234   | 42.754 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol      | 9.16  | 196  | 130204   | 48.290 | ng    | 99       |
| 44) 2,4,5-Trichlorophenol      | 9.21  | 196  | 138103   | 45.665 | ng    | 95       |
| 46) 1,1'-Biphenyl              | 9.35  | 154  | 476419   | 47.709 | ng    | 99       |
| 47) 2-Chloronaphthalene        | 9.37  | 162  | 374258   | 46.087 | ng    | 99       |
| 48) 2-Nitroaniline             | 9.46  | 65   | 106824   | 50.180 | ng    | 97       |
| 49) Acenaphthylene             | 9.79  | 152  | 584761   | 45.997 | ng    | 98       |
| 50) Dimethylphthalate          | 9.65  | 163  | 525291   | 55.564 | ng    | 99       |
| 51) 2,6-Dinitrotoluene         | 9.70  | 165  | 99258    | 48.939 | ng    | 95       |
| 52) Acenaphthene               | 9.96  | 154  | 335588   | 44.666 | ng    | 96       |
| 53) 3-Nitroaniline             | 9.87  | 138  | 79553    | 37.327 | ng    | 91       |
| 54) 2,4-Dinitrophenol          | 9.99  | 184  | 8631     | 17.132 | ng    | # 6      |
| 55) Dibenzofuran               | 10.13 | 168  | 535176   | 47.553 | ng    | 99       |
| 56) 4-Nitrophenol              | 10.04 | 139  | 142737   | 84.586 | ng    | 95       |
| 57) 2,4-Dinitrotoluene         | 10.11 | 165  | 134743   | 52.634 | ng    | 99       |
| 58) Fluorene                   | 10.47 | 166  | 419580   | 49.519 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 10.25 | 232  | 120872   | 45.480 | ng    | 99       |
| 60) Diethylphthalate           | 10.34 | 149  | 427924   | 47.666 | ng    | 97       |
| 61) 4-Chlorophenyl-phenylether | 10.46 | 204  | 215569   | 48.040 | ng    | 98       |
| 62) 4-Nitroaniline             | 10.49 | 138  | 99625    | 47.901 | ng    | 99       |
| 63) Azobenzene                 | 10.62 | 77   | 452502   | 52.006 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylphenol | 10.52 | 198  | 26040    | 23.274 | ng    | 96       |
| 66) n-Nitrosodiphenylamine     | 10.58 | 169  | 429599   | 47.461 | ng    | 98       |
| 67) 4-Bromophenyl-phenylether  | 10.95 | 248  | 148577   | 40.770 | ng    | 94       |
| 68) Hexachlorobenzene          | 11.03 | 284  | 176072   | 43.966 | ng    | 100      |
| 69) Atrazine                   | 11.10 | 200  | 131002   | 44.490 | ng    | 99       |
| 70) Pentachlorophenol          | 11.22 | 266  | 146172   | 64.467 | ng    | 97       |
| 71) Phenanthrene               | 11.44 | 178  | 698718   | 46.088 | ng    | 99       |
| 72) Anthracene                 | 11.49 | 178  | 728287   | 47.570 | ng    | 99       |
| 73) Carbazole                  | 11.64 | 167  | 654295   | 47.904 | ng    | 99       |
| 74) Di-n-butylphthalate        | 11.97 | 149  | 710644   | 44.230 | ng    | 99       |
| 75) Fluoranthene               | 12.63 | 202  | 661441   | 39.989 | ng    | 97       |
| 77) Benzidine                  | 12.74 | 184  | 193126   | 34.402 | ng    | 97       |
| 78) Pyrene                     | 12.86 | 202  | 652742   | 49.541 | ng    | 97       |
| 80) Butylbenzylphthalate       | 13.46 | 149  | 277129   | 53.459 | ng    | 96       |
| 81) Benzo(a)anthracene         | 14.05 | 228  | 537019   | 48.377 | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine     | 14.00 | 252  | 150335   | 36.949 | ng    | 98       |
| 83) Chrysene                   | 14.09 | 228  | 527646   | 48.806 | ng    | 98       |
| 84) Bis(2-ethylhexyl)phthalate | 14.03 | 149  | 392640   | 59.530 | ng    | 98       |
| 85) Di-n-octyl phthalate       | 14.67 | 149  | 609309   | 59.020 | ng    | 97       |
| 86) Indeno(1,2,3-cd)pyrene     | 17.07 | 276  | 742062   | 72.463 | ng    | 98       |
| 88) Benzo(b)fluoranthene       | 15.13 | 252  | 533928   | 41.491 | ng    | 99       |
| 89) Benzo(k)fluoranthene       | 15.16 | 252  | 511361   | 46.197 | ng    | 98       |
| 90) Benzo(a)pyrene             | 15.50 | 252  | 522026   | 46.900 | ng    | 100      |
| 91) Dibenzo(a,h)anthracene     | 17.09 | 278  | 633135   | 60.596 | ng    | 100      |
| 92) Benzo(g,h,i)perylene       | 17.52 | 276  | 575142   | 54.545 | ng    | 98       |

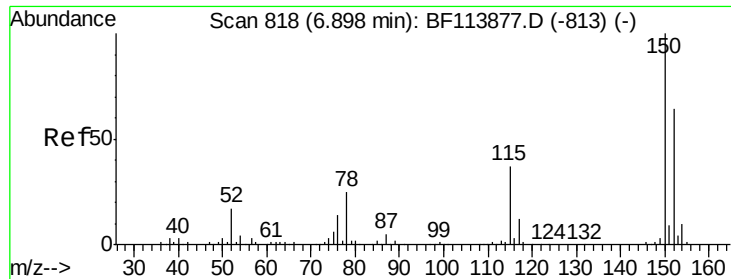
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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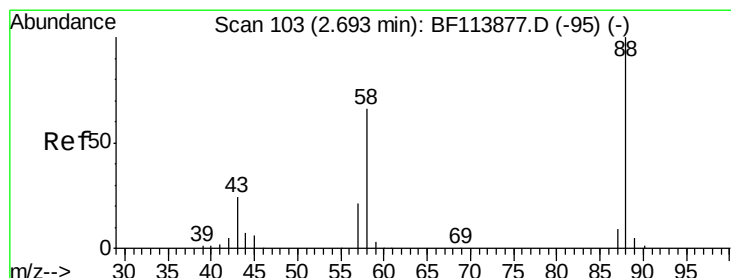
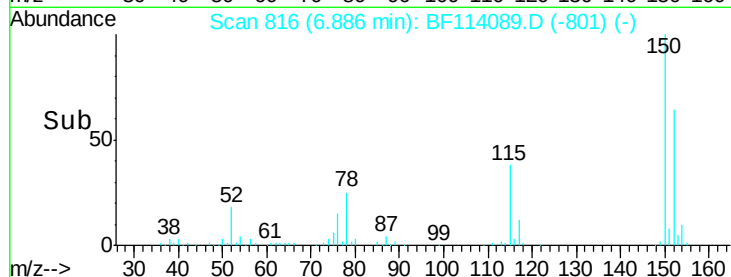
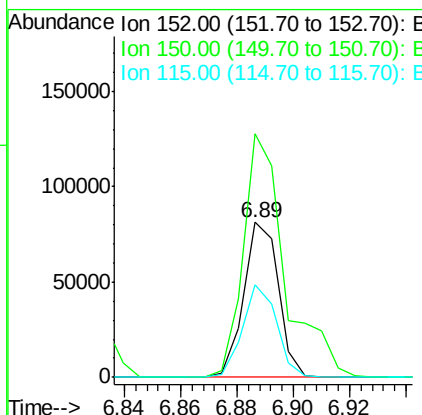
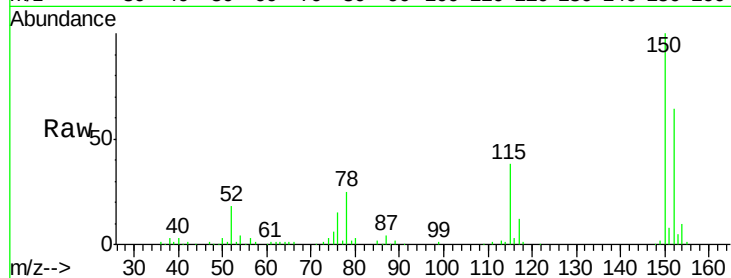


#1

1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.89 min Scan# 816  
 Delta R.T. -0.01 min  
 Lab File: BF114089.D  
 Acq: 2 May 2019 17:24

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DRUM-1-4MS

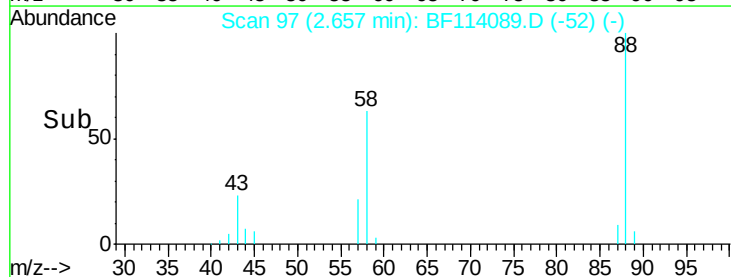
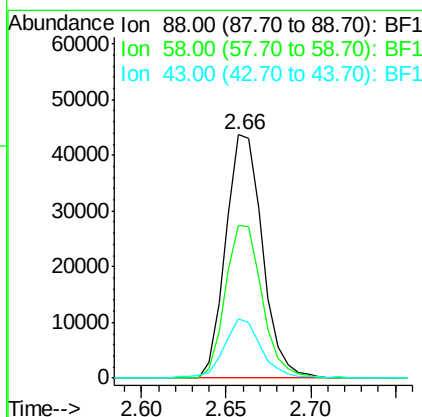
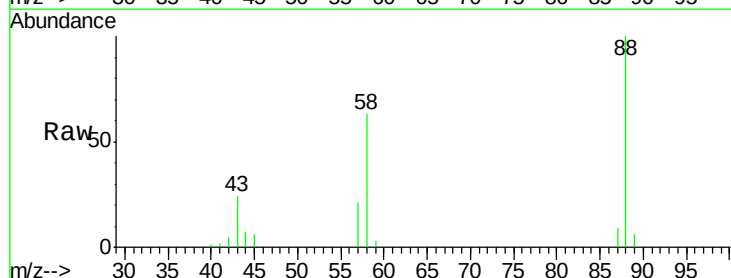
Tot Ion:152 Resp: 69325  
 Ion Ratio Lower Upper  
 152 100  
 150 157.3 125.9 188.9  
 115 59.8 45.9 68.9

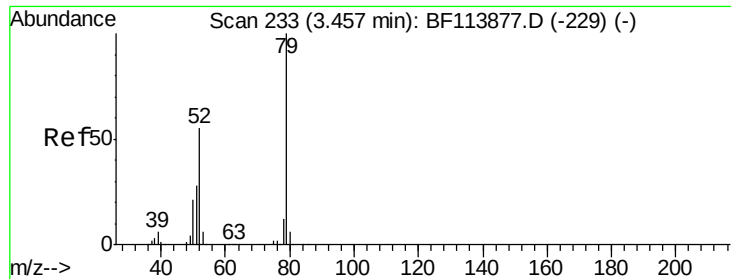


#2

1,4-Dioxane  
 Concen: 34.580 ng  
 RT: 2.66 min Scan# 97  
 Delta R.T. -0.04 min  
 Lab File: BF114089.D  
 Acq: 2 May 2019 17:24

Tgt Ion: 88 Resp: 66071  
 Ion Ratio Lower Upper  
 88 100  
 58 62.5 53.3 79.9  
 43 24.7 19.0 28.4





#3

Pvridine

Concen: 39.710 ng

RT: 3.43 min Scan# 229

Delta R.T. -0.02 min

Lab File: BF114089.D

Acq: 2 May 2019 17:24

Instrument :

BNA\_F

ClientSampleId :

DRUM-1-4MS

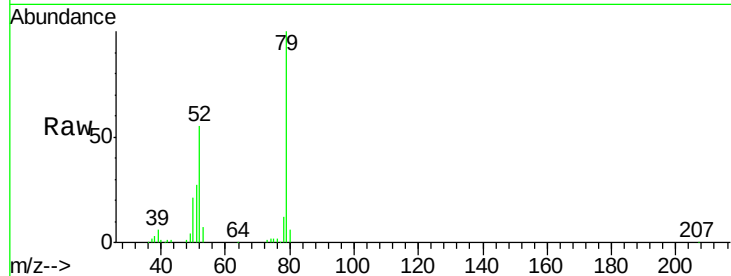
Tot Ion: 79 Resp: 207096

Ion Ratio Lower Upper

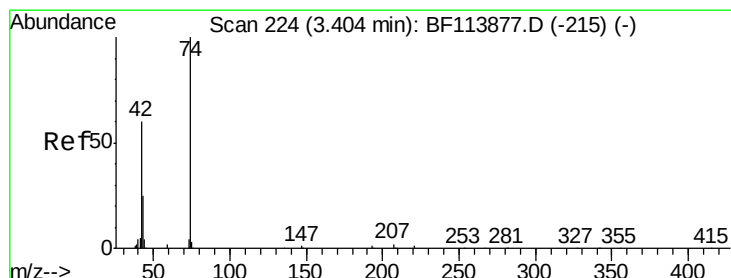
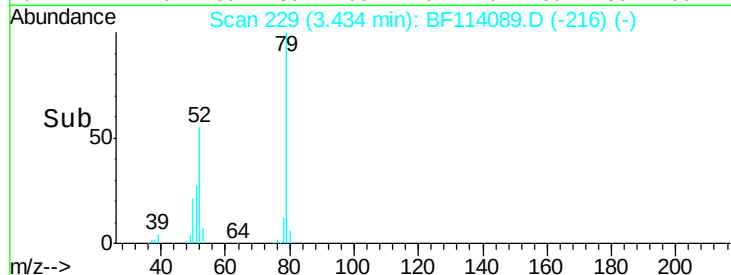
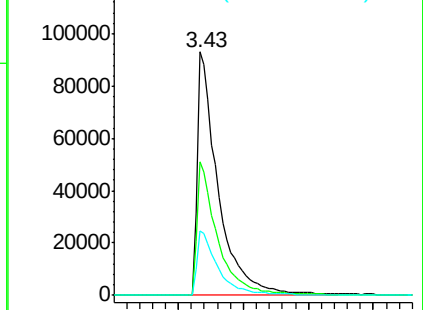
79 100

52 54.6 45.3 67.9

51 26.6 22.1 33.1



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



#4

n-Nitrosodimethylamine

Concen: 40.870 ng

RT: 3.36 min Scan# 217

Delta R.T. -0.04 min

Lab File: BF114089.D

Acq: 2 May 2019 17:24

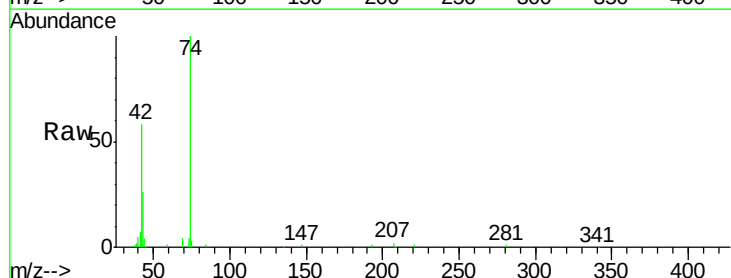
Tgt Ion: 42 Resp: 72964

Ion Ratio Lower Upper

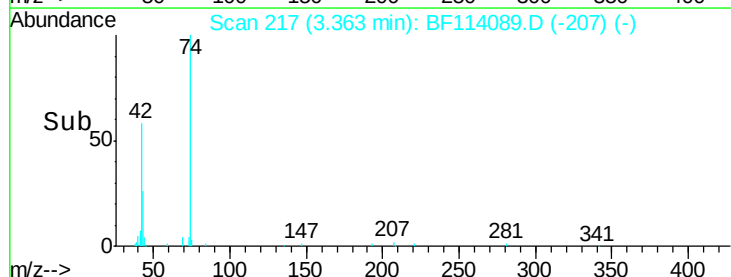
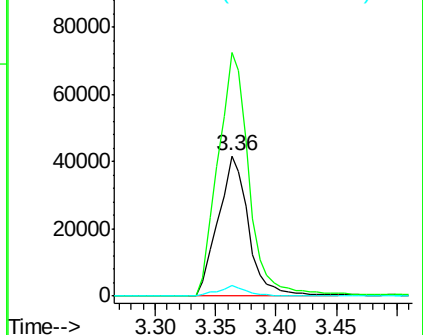
42 100

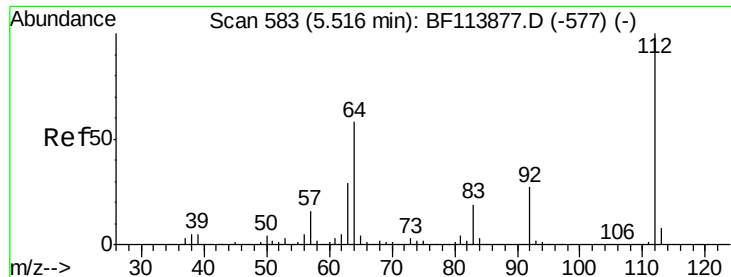
74 173.3 132.6 198.8

44 7.4 5.8 8.8



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: 139.750 ng

RT: 5.52 min Scan# 583

Delta R.T. -0.00 min

Lab File: BF114089.D

Acq: 2 May 2019 17:24

Instrument :

BNA\_F

ClientSampleId :

DRUM-1-4MS

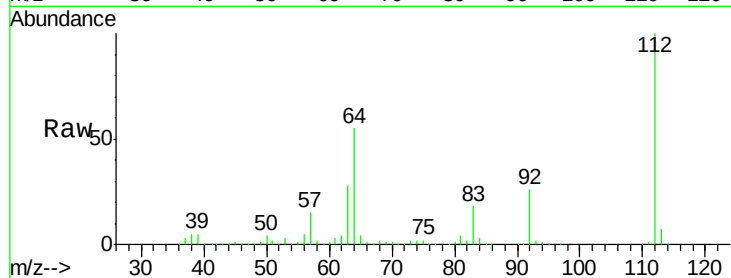
Tot Ion:112 Resp: 566441

Ion Ratio Lower Upper

112 100

64 55.3 46.6 69.8

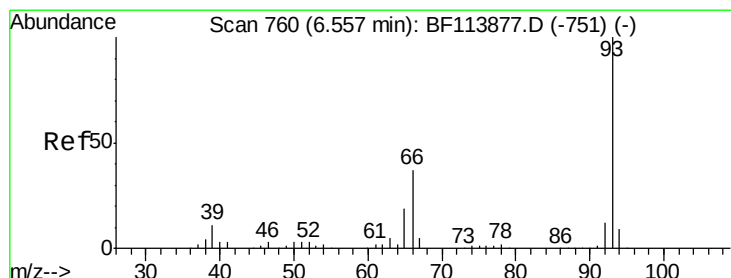
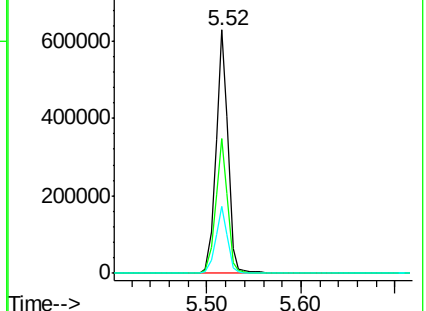
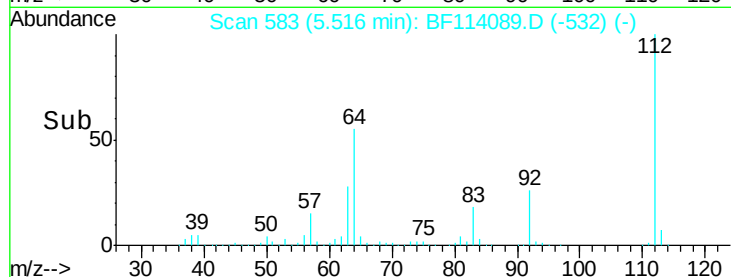
63 27.6 23.1 34.7



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 27.253 ng

RT: 6.55 min Scan# 759

Delta R.T. -0.01 min

Lab File: BF114089.D

Acq: 2 May 2019 17:24

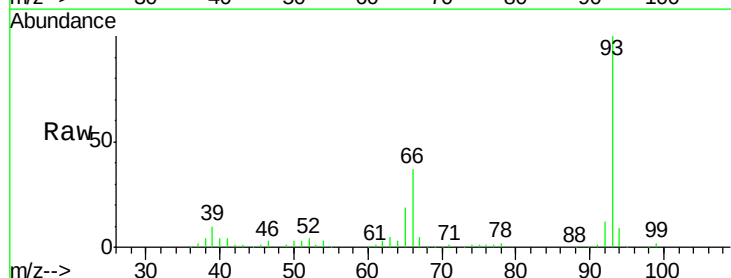
Tgt Ion: 93 Resp: 190308

Ion Ratio Lower Upper

93 100

66 37.3 29.8 44.6

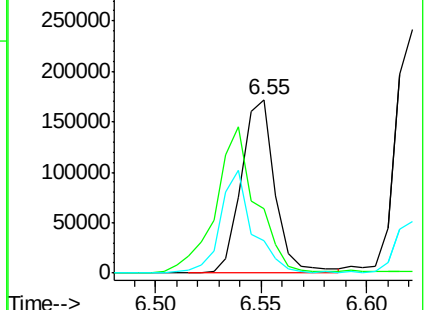
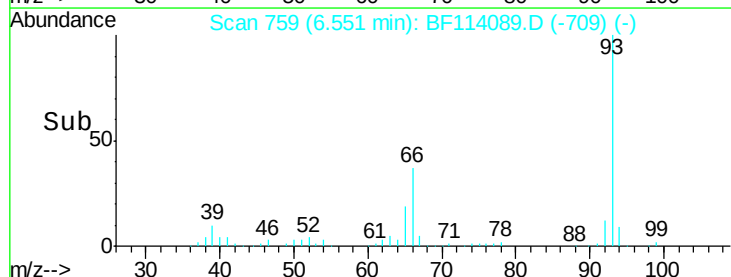
65 18.6 14.9 22.3

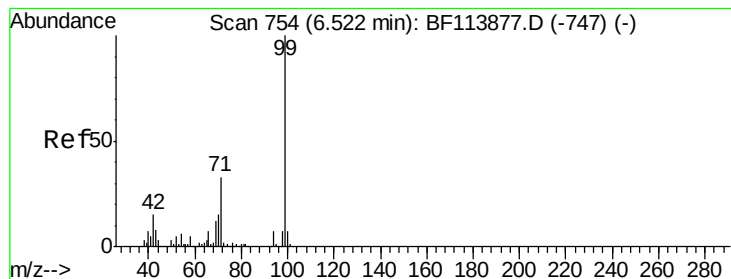


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 141.454 ng

RT: 6.53 min Scan# 755

Delta R.T. 0.01 min

Lab File: BF114089.D

Acq: 2 May 2019 17:24

Instrument :

BNA\_F

ClientSampleId :

DRUM-1-4MS

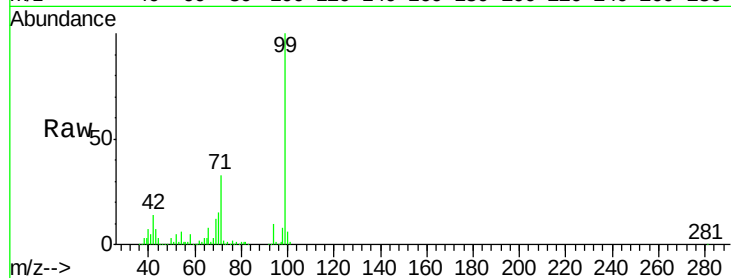
Tot Ion: 99 Resp: 719332

Ion Ratio Lower Upper

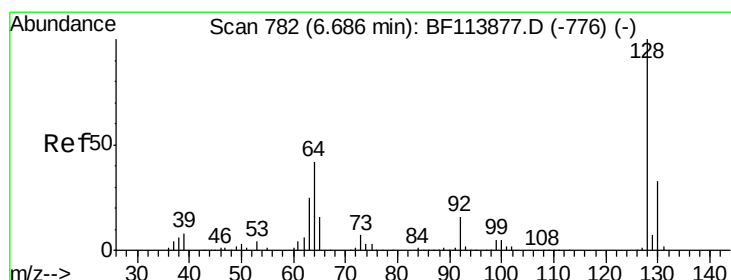
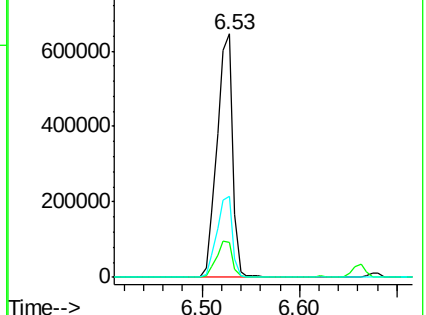
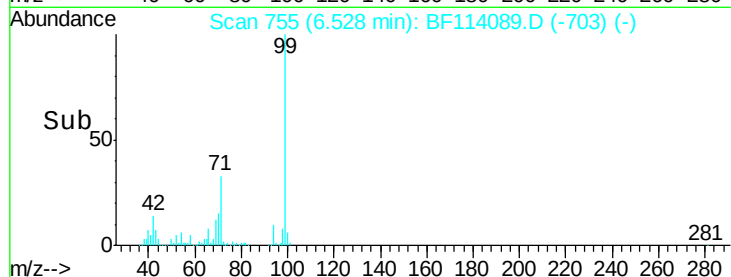
99 100

42 14.2 12.5 18.7

71 33.4 26.9 40.3



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: 43.700 ng

RT: 6.68 min Scan# 781

Delta R.T. -0.01 min

Lab File: BF114089.D

Acq: 2 May 2019 17:24

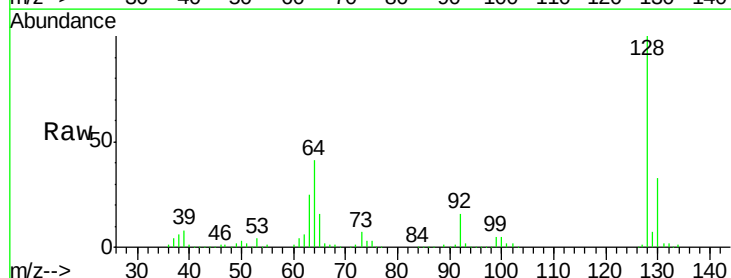
Tgt Ion: 128 Resp: 202227

Ion Ratio Lower Upper

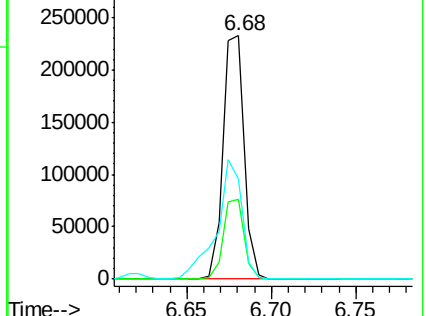
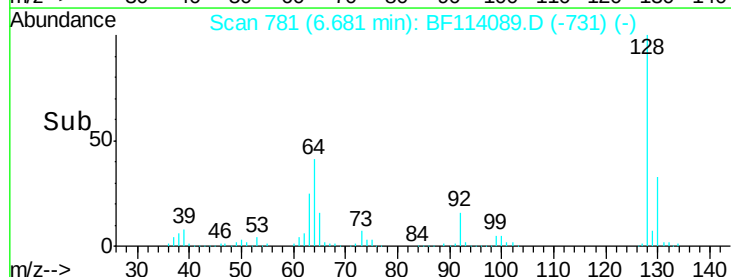
128 100

130 32.9 12.3 52.3

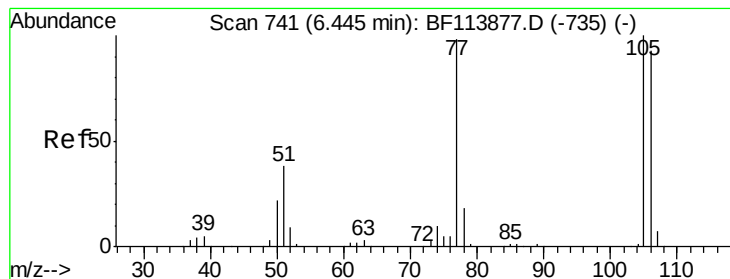
64 41.3 26.1 66.1



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: 9.202 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF114089.D

Acq: 2 May 2019 17:24

Instrument :

BNA\_F

ClientSampleId :

DRUM-1-4MS

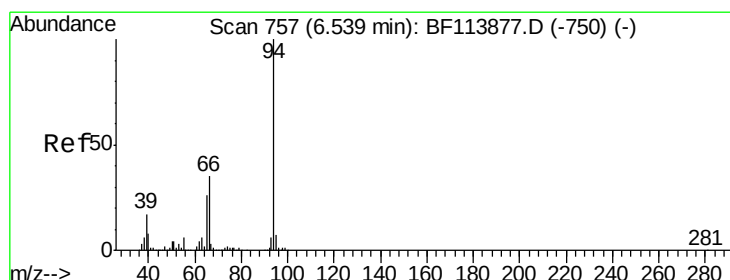
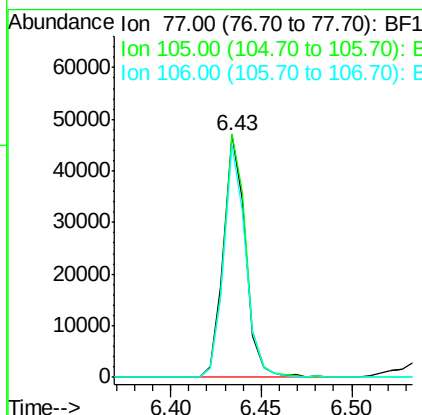
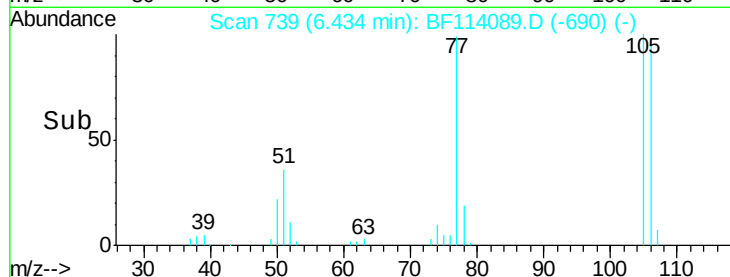
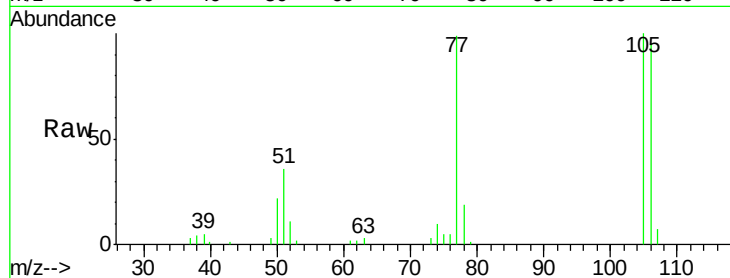
Tot Ion: 77 Resp: 39752

Ion Ratio Lower Upper

77 100

105 100.6 74.1 114.1

106 95.9 70.3 110.3



#10

Phenol

Concen: 46.722 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.00 min

Lab File: BF114089.D

Acq: 2 May 2019 17:24

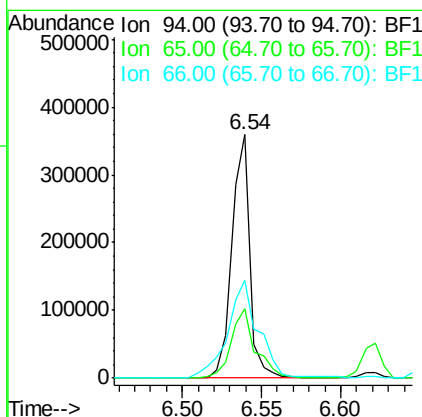
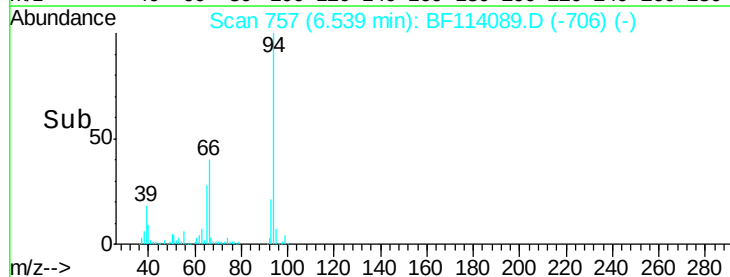
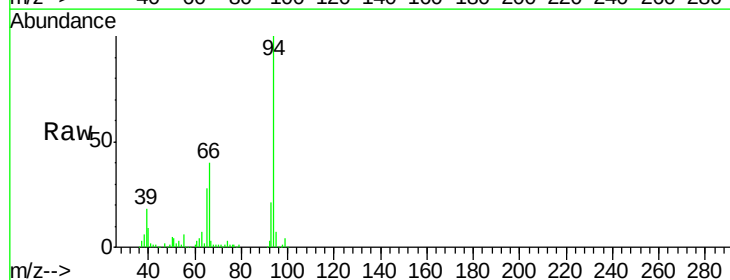
Tgt Ion: 94 Resp: 284107

Ion Ratio Lower Upper

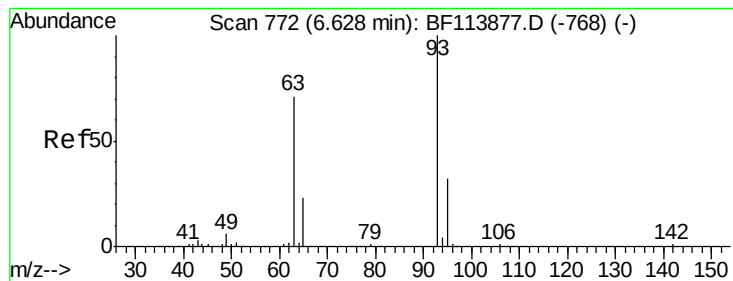
94 100

65 28.4 8.1 48.1

66 40.2 16.6 56.6



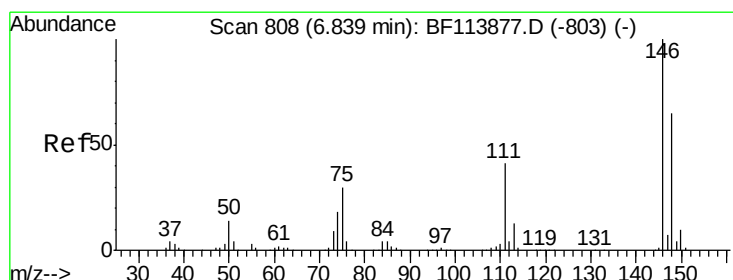
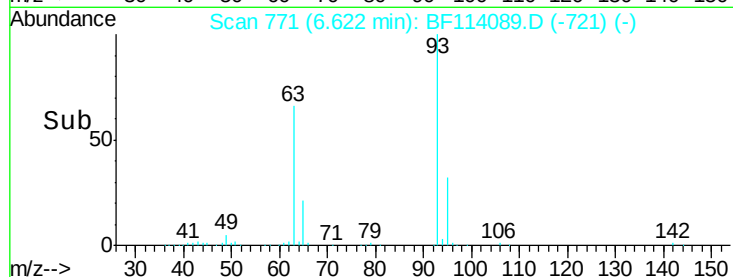
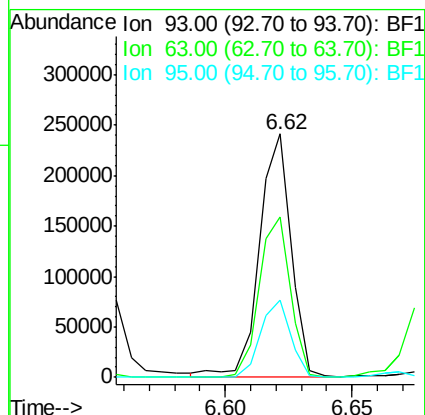
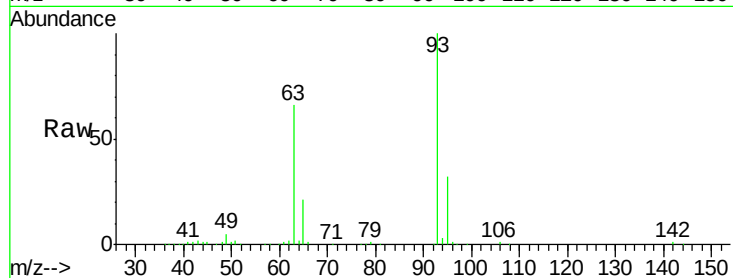




#11  
bis(2-Chloroethyl)ether  
Concen: 45.606 ng  
RT: 6.62 min Scan# 771  
Delta R.T. -0.01 min  
Lab File: BF114089.D  
Acq: 2 May 2019 17:24

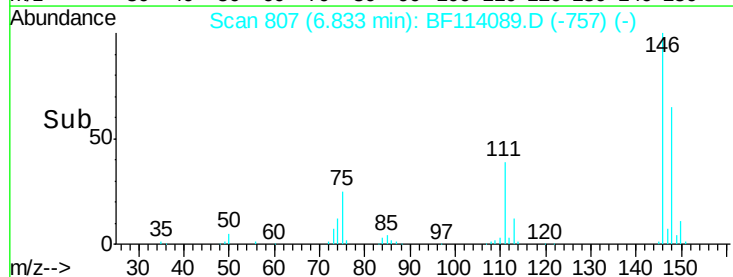
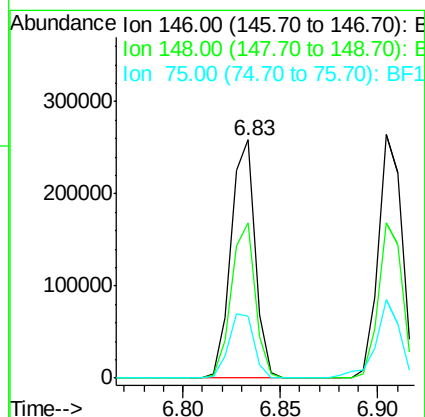
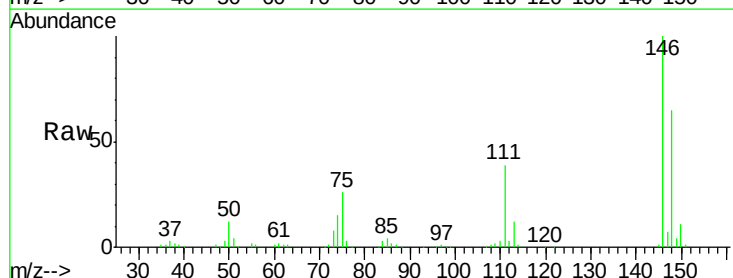
Instrument :  
BNA\_F  
ClientSampleId :  
DRUM-1-4MS

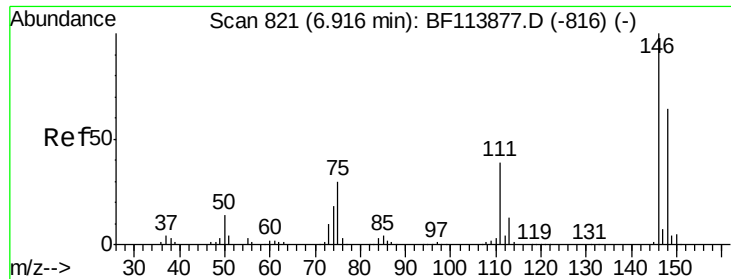
Tot Ion: 93 Resp: 208689  
Ion Ratio Lower Upper  
93 100  
63 65.7 50.7 90.7  
95 31.8 12.3 52.3



#12  
1,3-Dichlorobenzene  
Concen: 42.499 ng  
RT: 6.83 min Scan# 807  
Delta R.T. -0.01 min  
Lab File: BF114089.D  
Acq: 2 May 2019 17:24

Tgt Ion: 146 Resp: 222738  
Ion Ratio Lower Upper  
146 100  
148 65.5 51.0 76.6  
75 26.2 23.8 35.8

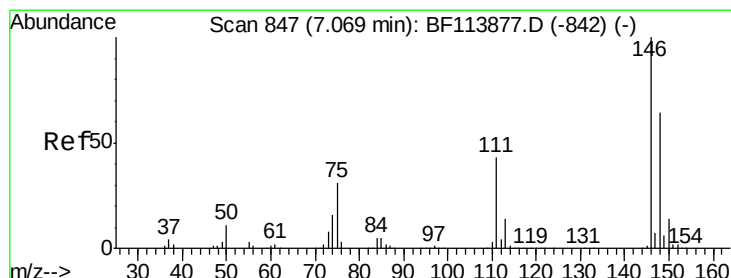
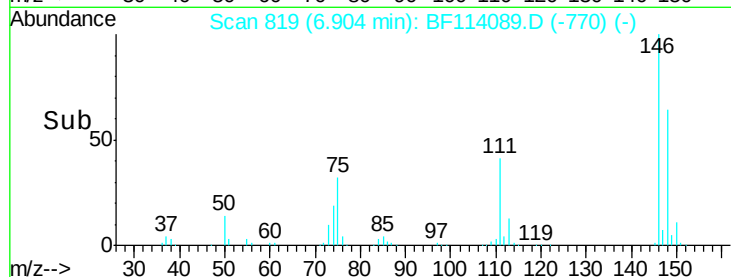
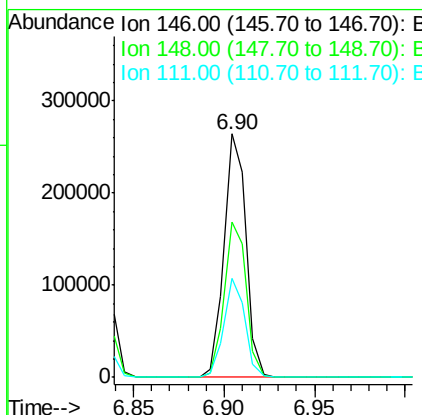
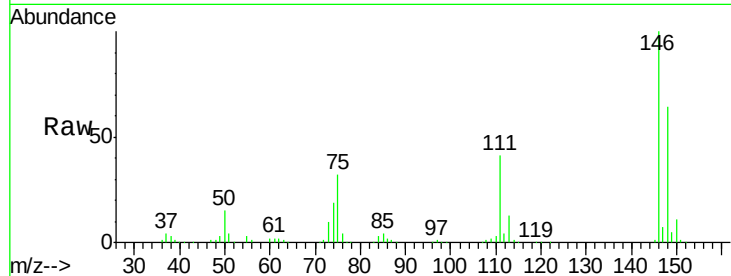




#13  
 1,4-Dichlorobenzene  
 Concen: 42.196 ng  
 RT: 6.90 min Scan# 819  
 Delta R.T. -0.01 min  
 Lab File: BF114089.D  
 Acq: 2 May 2019 17:24

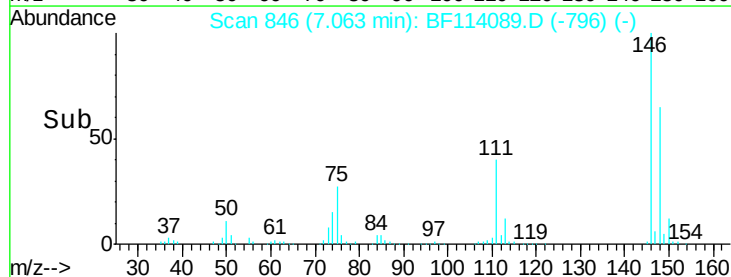
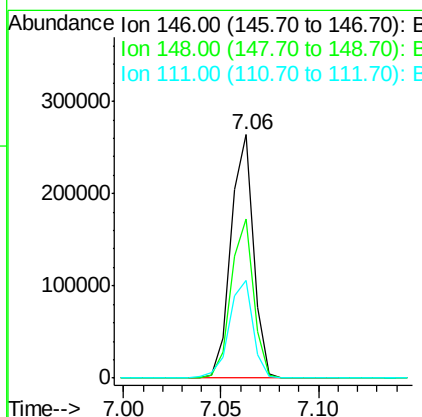
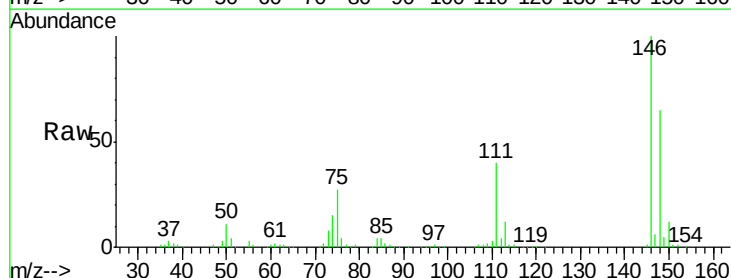
Instrument :  
 BNA\_F  
 ClientSampleId :  
 DRUM-1-4MS

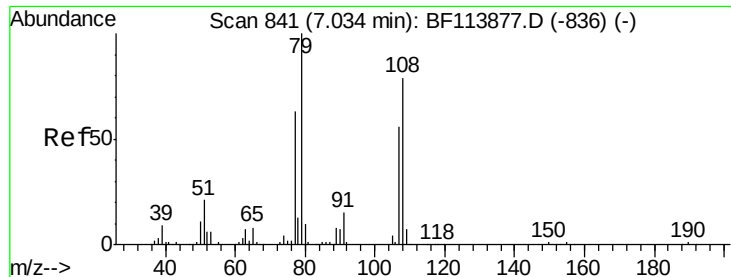
Tot Ion:146 Resp: 222439  
 Ion Ratio Lower Upper  
 146 100  
 148 63.8 51.8 77.8  
 111 40.7 30.9 46.3



#14  
 1,2-Dichlorobenzene  
 Concen: 43.664 ng  
 RT: 7.06 min Scan# 846  
 Delta R.T. -0.01 min  
 Lab File: BF114089.D  
 Acq: 2 May 2019 17:24

Tgt Ion:146 Resp: 211539  
 Ion Ratio Lower Upper  
 146 100  
 148 65.2 52.1 78.1  
 111 40.2 34.2 51.4





#15

Benzyl Alcohol

Concen: 52.925 ng

RT: 7.03 min Scan# 840

Delta R.T. -0.01 min

Lab File: BF114089.D

Acq: 2 May 2019 17:24

Instrument :

BNA\_F

ClientSampleId :

DRUM-1-4MS

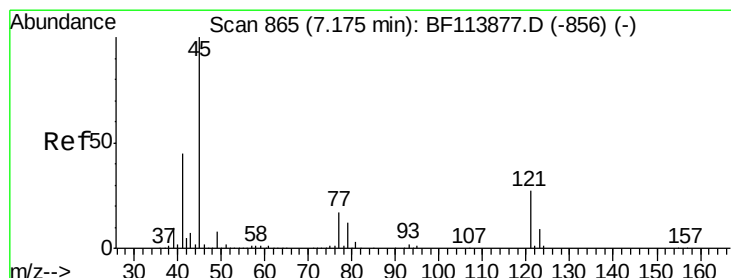
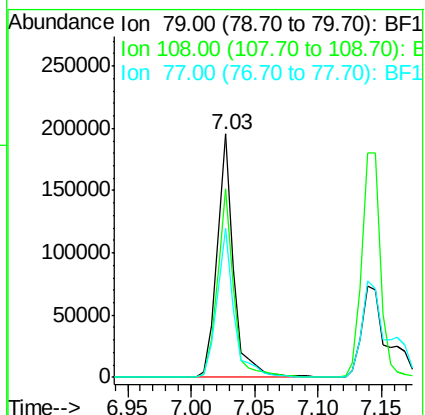
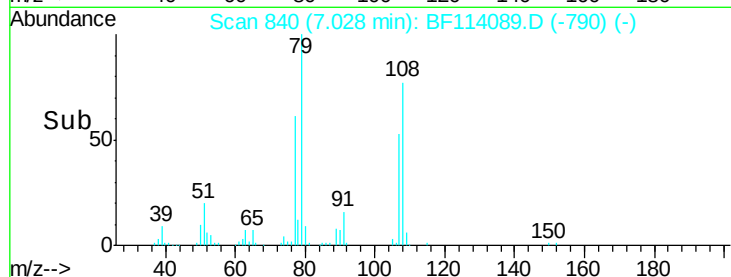
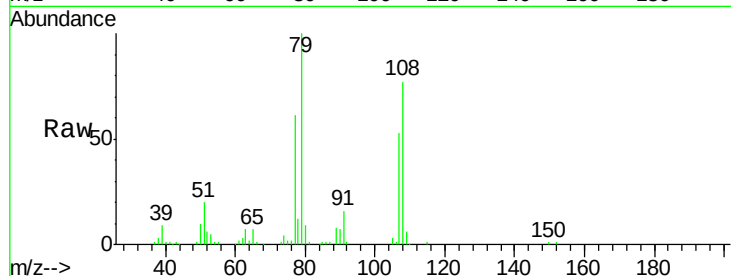
Tot Ion: 79 Resp: 181266

Ion Ratio Lower Upper

79 100

108 77.5 61.4 92.0

77 61.0 51.6 77.4



#16

2,2'-oxybis(1-chloropropane)

Concen: 37.757 ng

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: BF114089.D

Acq: 2 May 2019 17:24

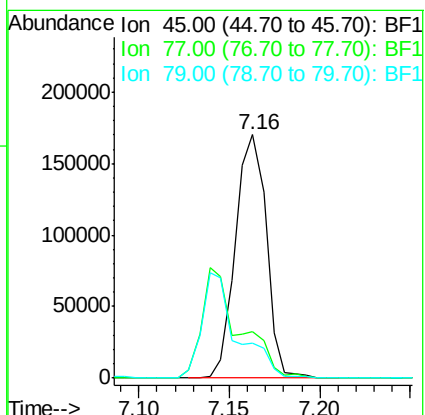
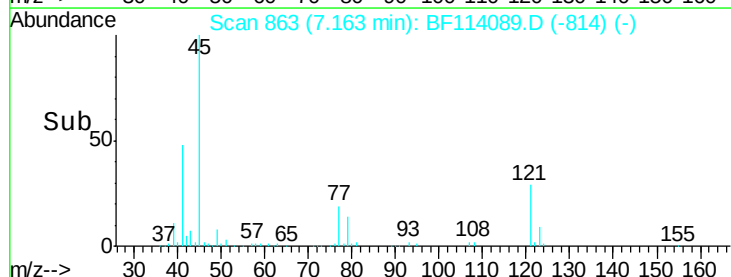
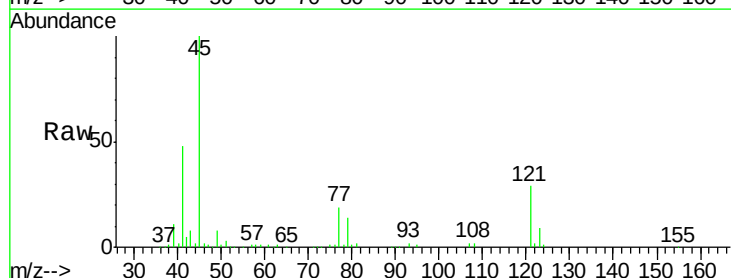
Tgt Ion: 45 Resp: 201684

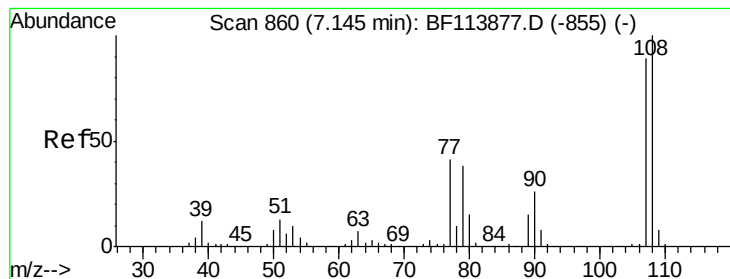
Ion Ratio Lower Upper

45 100

77 19.1 0.0 37.0

79 14.4 0.0 32.7

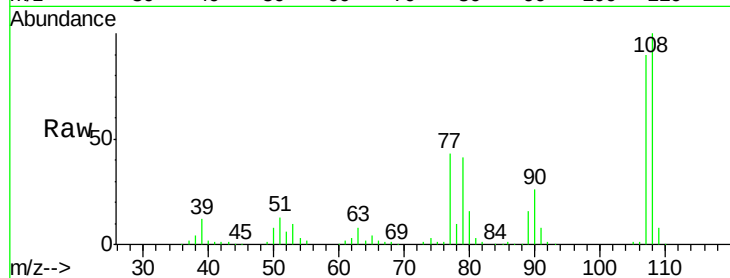




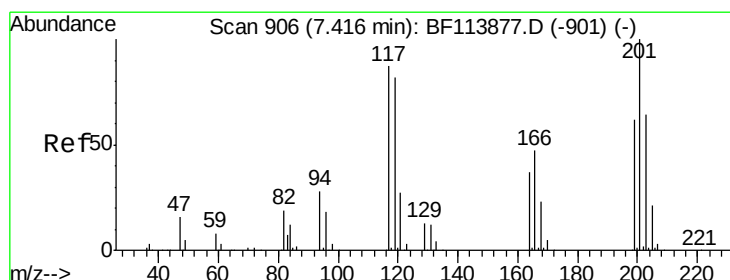
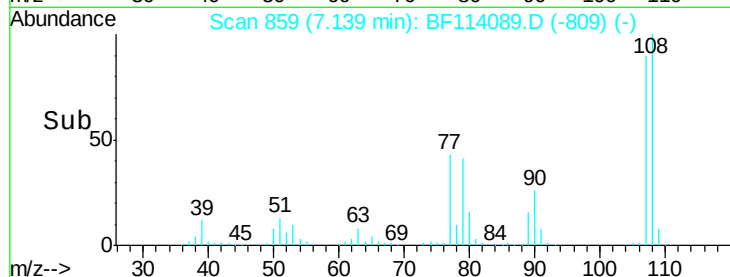
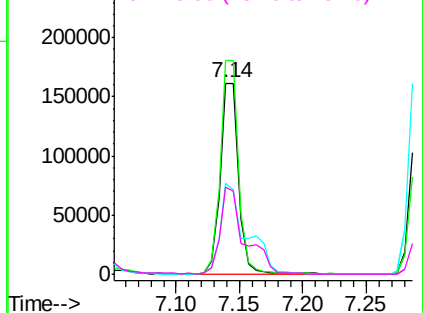
#17  
2-Methylphenol  
Concen: 40.923 ng  
RT: 7.14 min Scan# 859  
Delta R.T. -0.01 min  
Lab File: BF114089.D  
Acq: 2 May 2019 17:24

Instrument :  
BNA\_F  
ClientSampleId :  
DRUM-1-4MS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 107   | Resp: | 165999 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 111.6 | 91.5  | 137.3  |
| 77       | 47.7  | 36.2  | 54.4   |
| 79       | 45.6  | 35.4  | 53.0   |

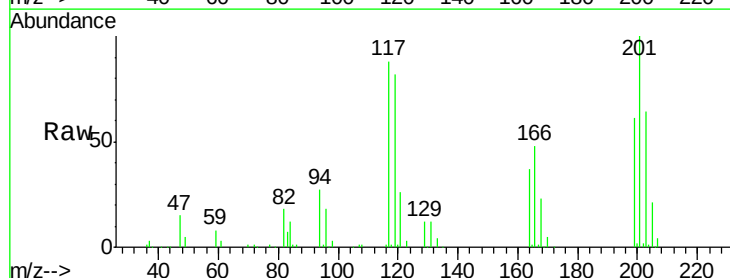


Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BF1  
Ion 79.00 (78.70 to 79.70): BF1

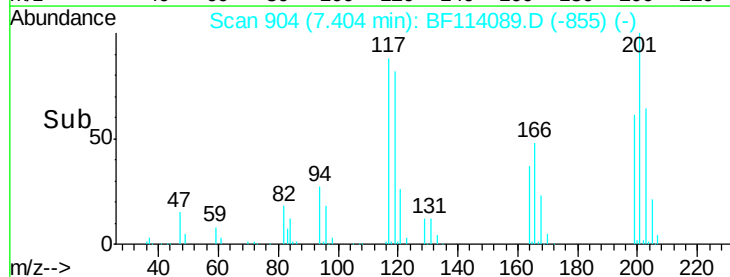
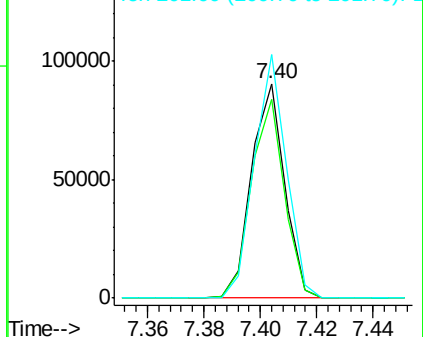


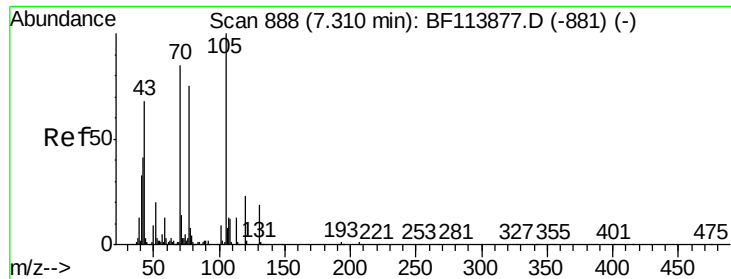
#18  
Hexachloroethane  
Concen: 39.827 ng  
RT: 7.40 min Scan# 904  
Delta R.T. -0.01 min  
Lab File: BF114089.D  
Acq: 2 May 2019 17:24

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 73597 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 92.6  | 74.4  | 111.6 |
| 201      | 113.5 | 90.2  | 135.2 |



Abundance Ion 117.00 (116.70 to 117.70): E  
Ion 119.00 (118.70 to 119.70): E  
Ion 201.00 (200.70 to 201.70): E

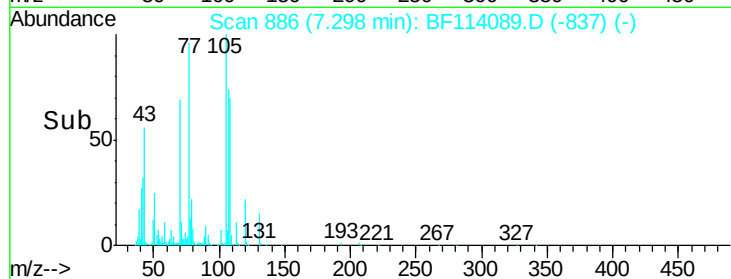
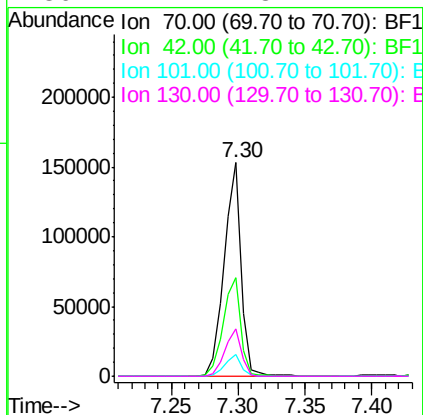
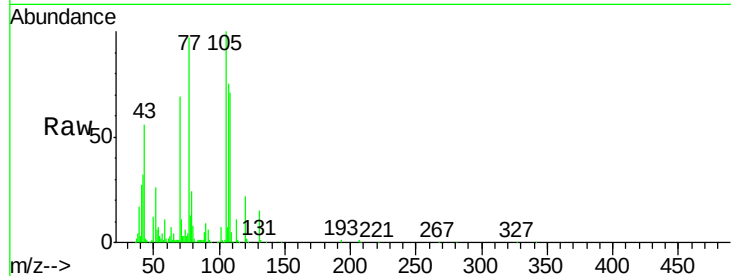




#19  
n-Nitroso-di-n-propylamine  
Concen: 41.922 ng  
RT: 7.30 min Scan# 886  
Delta R.T. -0.01 min  
Lab File: BF114089.D  
Acq: 2 May 2019 17:24

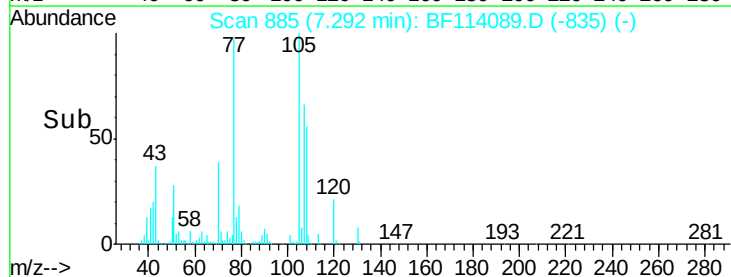
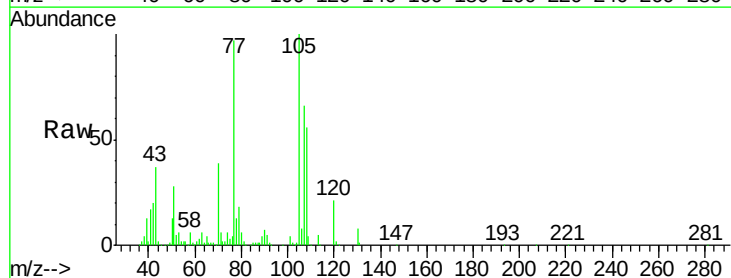
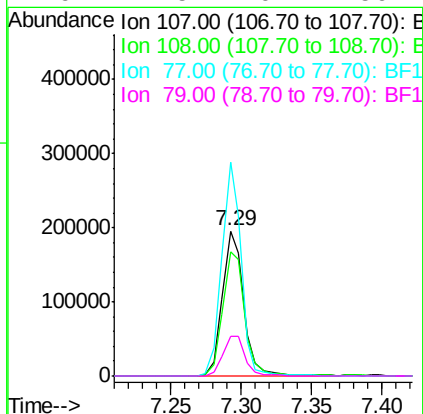
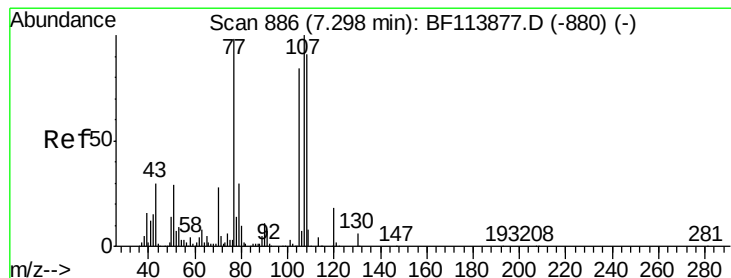
Instrument :  
BNA\_F  
ClientSampleId :  
DRUM-1-4MS

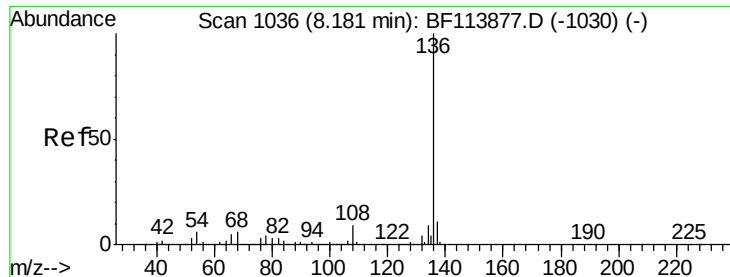
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 70    | Resp: | 138057 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 46.4  | 37.3  | 55.9   |
| 101      | 10.0  | 7.8   | 11.8   |
| 130      | 22.4  | 18.2  | 27.2   |



#20  
3+4-Methylphenols  
Concen: 44.280 ng  
RT: 7.29 min Scan# 885  
Delta R.T. -0.01 min  
Lab File: BF114089.D  
Acq: 2 May 2019 17:24

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 202933 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 85.6  | 70.1  | 110.1  |
| 77       | 147.2 | 52.9  | 92.9#  |
| 79       | 27.5  | 10.2  | 50.2   |

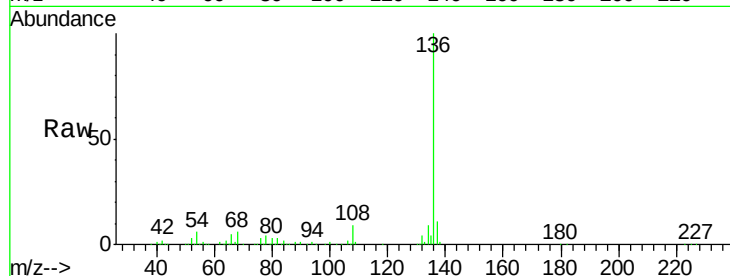




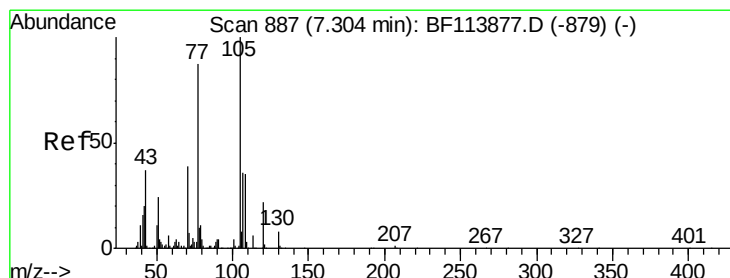
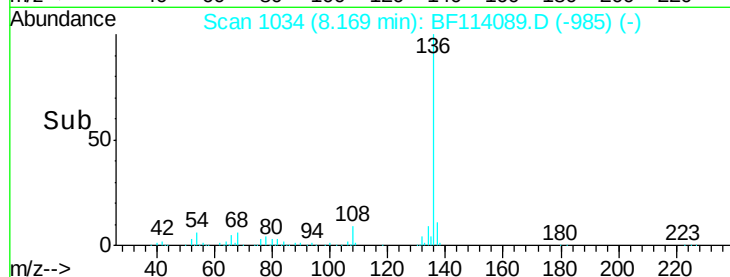
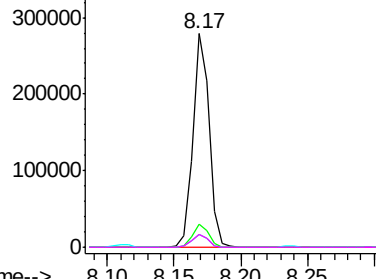
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.17 min Scan# 1034  
Delta R.T. -0.01 min  
Lab File: BF114089.D  
Acq: 2 May 2019 17:24

Instrument :  
BNA\_F  
ClientSampleId :  
DRUM-1-4MS

|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 241244   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 10.9  | 8.6 12.8 |
| 54          | 6.1   | 5.0 7.6  |
| 68          | 5.9   | 4.9 7.3  |

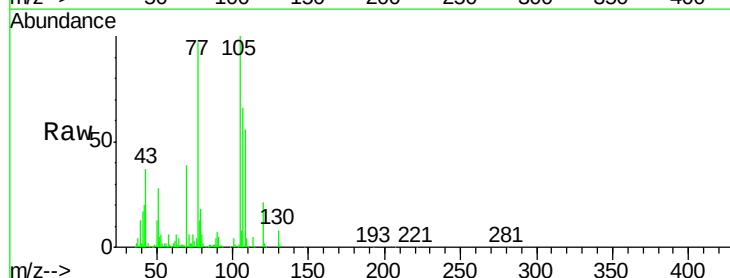


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

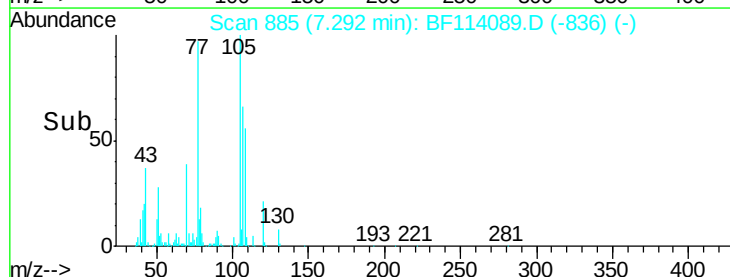
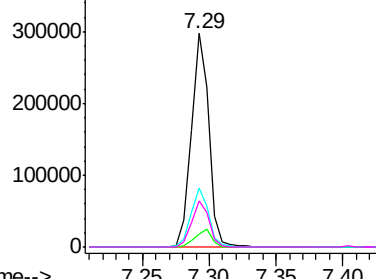


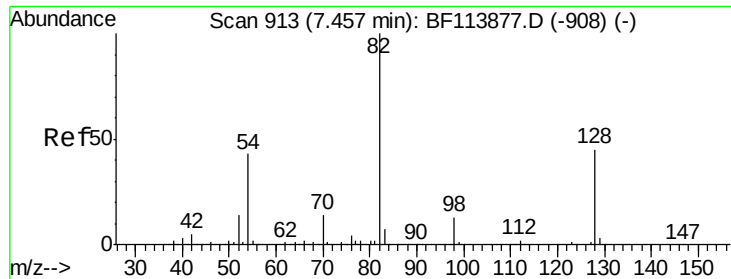
#22  
Acetophenone  
Concen: 51.357 ng  
RT: 7.29 min Scan# 885  
Delta R.T. -0.01 min  
Lab File: BF114089.D  
Acq: 2 May 2019 17:24

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:105 | Resp: | 275707     |
| Ion Ratio   | Lower | Upper      |
| 105         | 100   |            |
| 71          | 6.3   | 6.1 9.1    |
| 51          | 27.6  | 16.8 25.2# |
| 120         | 21.4  | 17.6 26.4  |



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

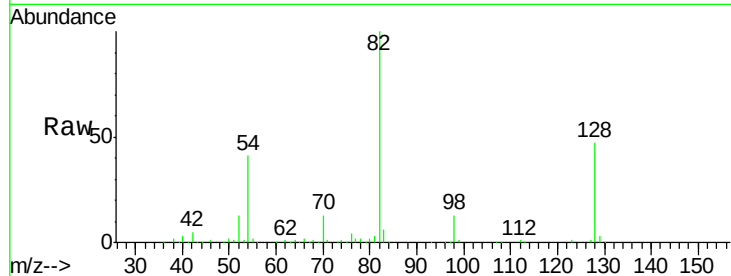




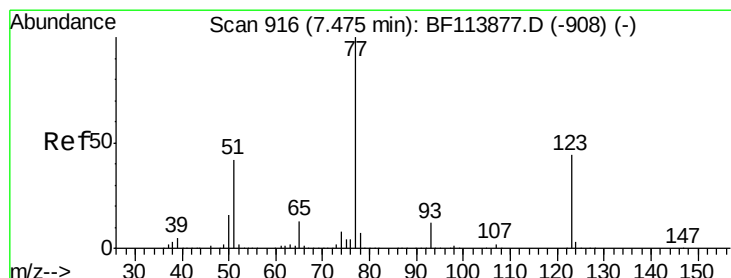
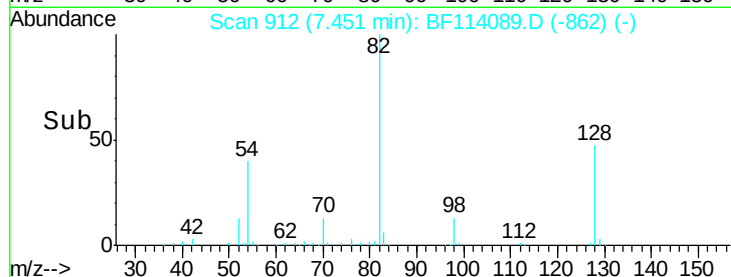
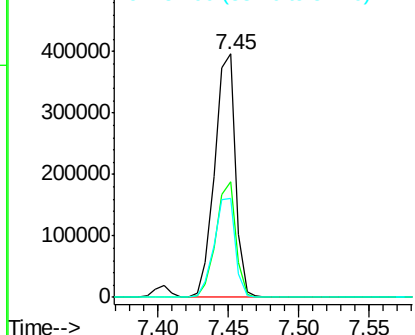
#23  
 Nitrobenzene-d5  
 Concen: 103.744 ng  
 RT: 7.45 min Scan# 912  
 Delta R.T. -0.01 min  
 Lab File: BF114089.D  
 Acq: 2 May 2019 17:24

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DRUM-1-4MS

| Tot Ion   | 82   | Resp  | 405344 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 47.4 | 36.8  | 55.2   |
| 54        | 40.6 | 33.8  | 50.6   |

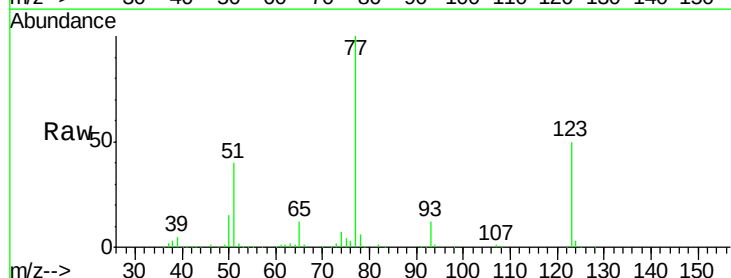


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

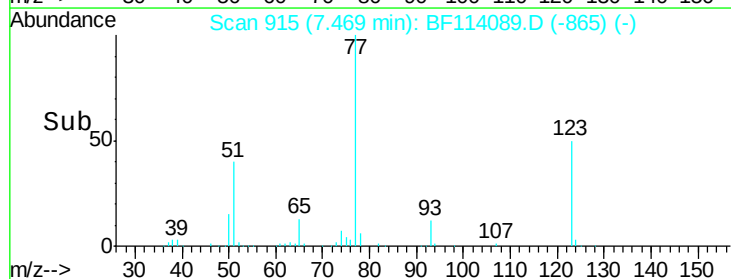
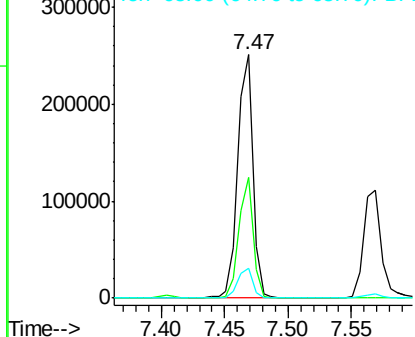


#24  
 Nitrobenzene  
 Concen: 47.405 ng  
 RT: 7.47 min Scan# 915  
 Delta R.T. -0.01 min  
 Lab File: BF114089.D  
 Acq: 2 May 2019 17:24

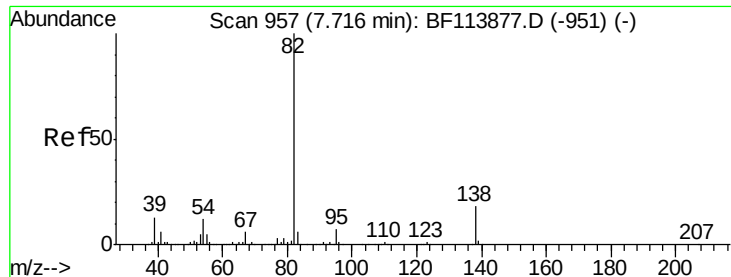
| Tgt Ion   | 77   | Resp  | 204661 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 123       | 49.6 | 36.3  | 54.5   |
| 65        | 12.4 | 10.3  | 15.5   |



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







#25

Isophorone

Concen: 45.195 ng

RT: 7.70 min Scan# 955

Delta R.T. -0.01 min

Lab File: BF114089.D

Acq: 2 May 2019 17:24

Instrument :

BNA\_F

ClientSampleId :

DRUM-1-4MS

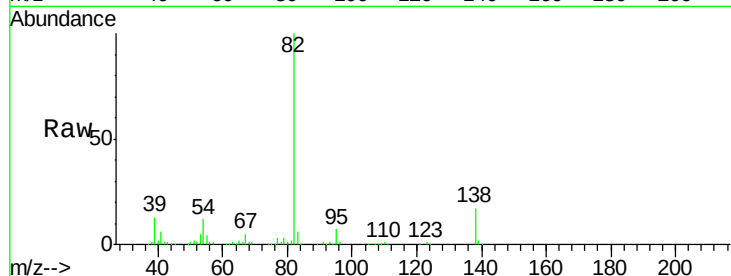
Tot Ion: 82 Resp: 361321

Ion Ratio Lower Upper

82 100

95 6.9 5.4 8.2

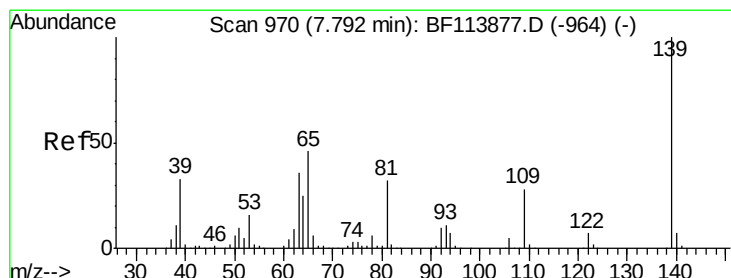
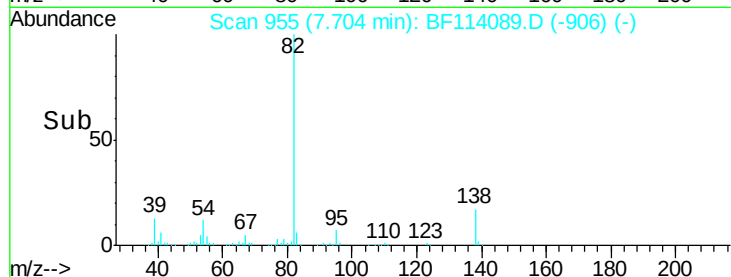
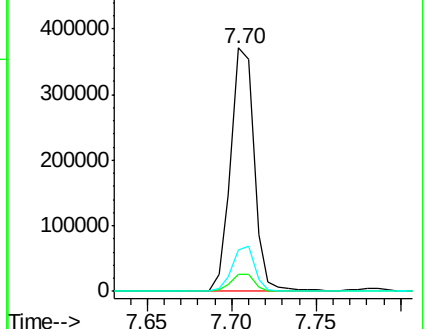
138 16.8 14.6 22.0



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: 50.984 ng

RT: 7.79 min Scan# 969

Delta R.T. -0.01 min

Lab File: BF114089.D

Acq: 2 May 2019 17:24

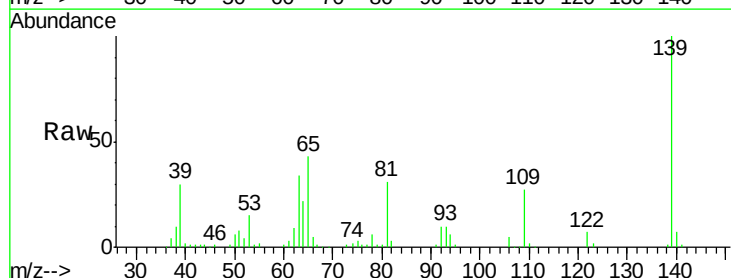
Tgt Ion: 139 Resp: 100416

Ion Ratio Lower Upper

139 100

109 26.8 20.6 31.0

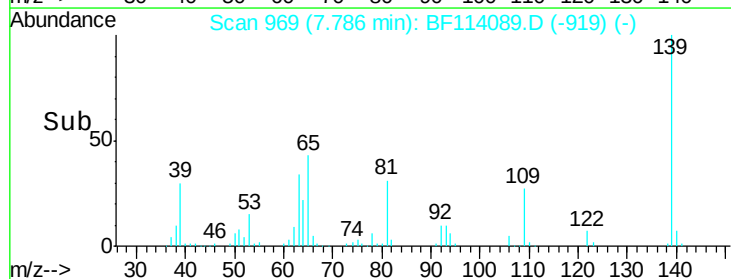
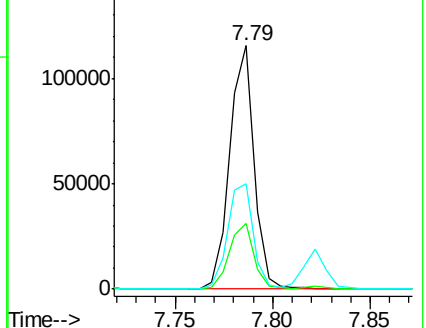
65 43.1 34.6 52.0

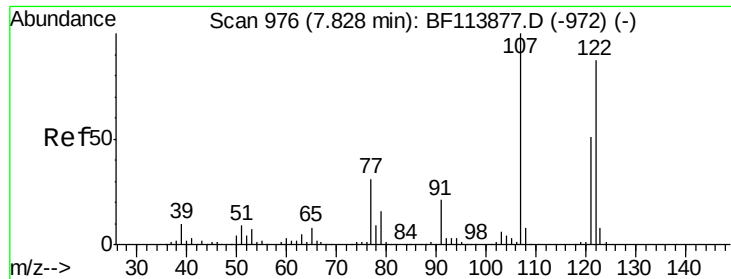


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

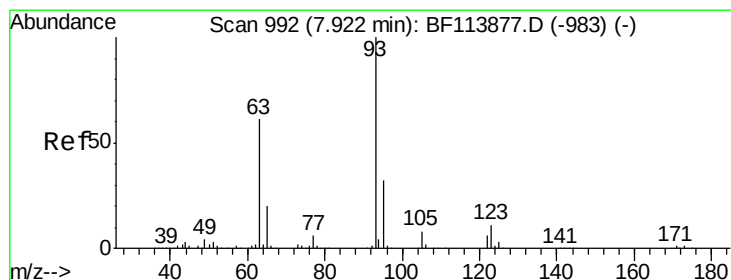
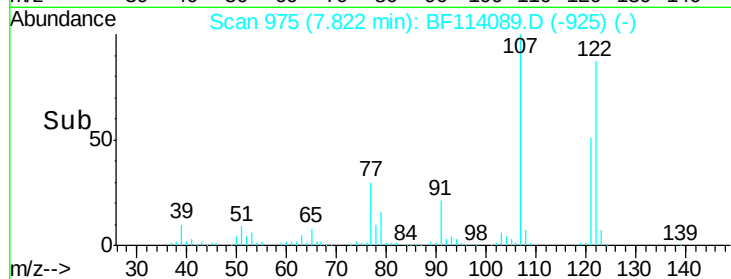
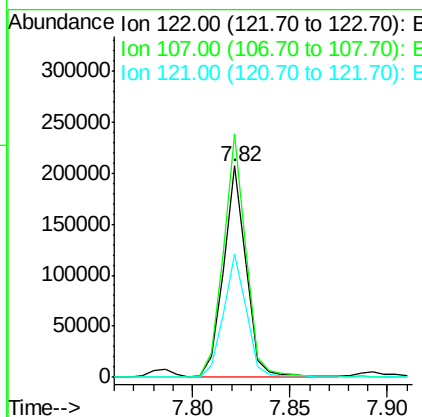
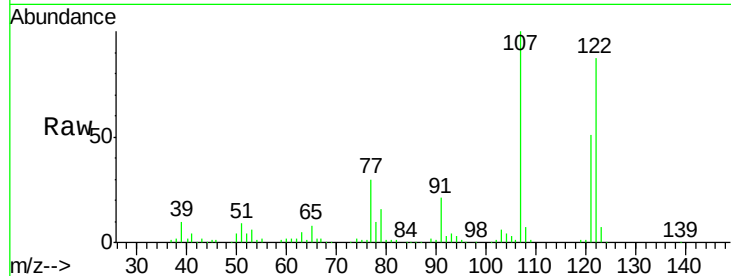




#27  
2,4-Dimethylphenol  
Concen: 52.410 ng  
RT: 7.82 min Scan# 975  
Delta R.T. -0.01 min  
Lab File: BF114089.D  
Acq: 2 May 2019 17:24

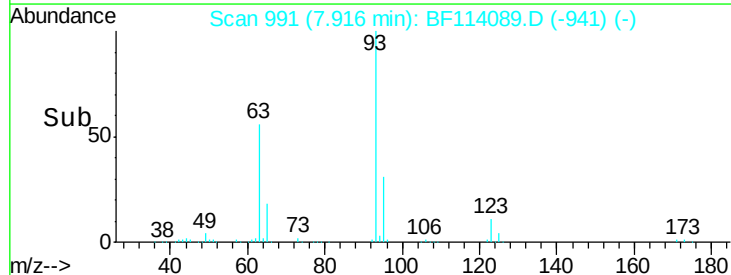
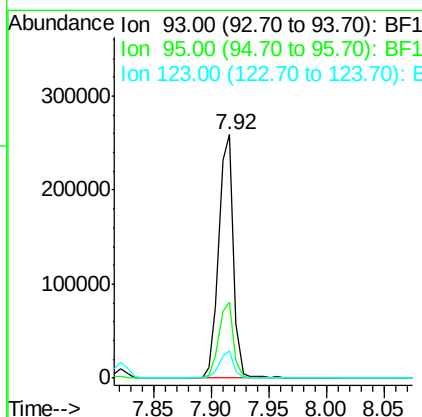
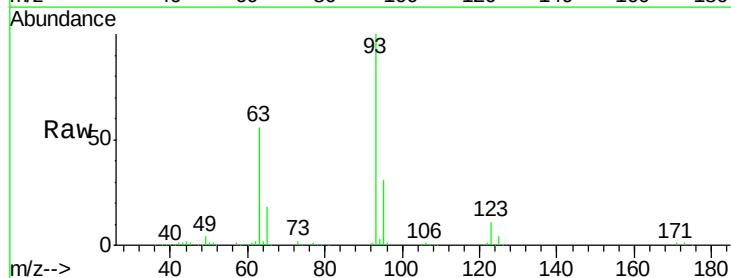
Instrument :  
BNA\_F  
ClientSampleId :  
DRUM-1-4MS

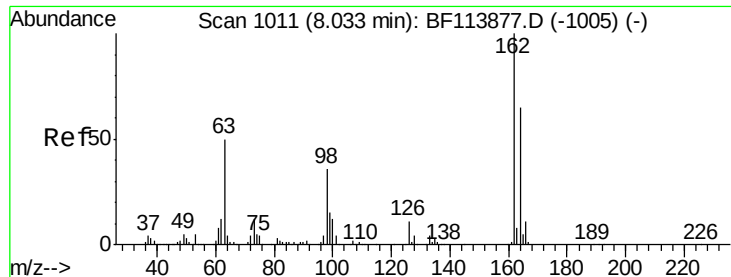
Tot Ion:122 Resp: 168181  
Ion Ratio Lower Upper  
122 100  
107 115.3 91.2 136.8  
121 58.4 46.4 69.6



#28  
bis(2-Chloroethoxy)methane  
Concen: 44.972 ng  
RT: 7.92 min Scan# 991  
Delta R.T. -0.01 min  
Lab File: BF114089.D  
Acq: 2 May 2019 17:24

Tgt Ion: 93 Resp: 229105  
Ion Ratio Lower Upper  
93 100  
95 31.0 25.8 38.6  
123 11.3 9.0 13.6

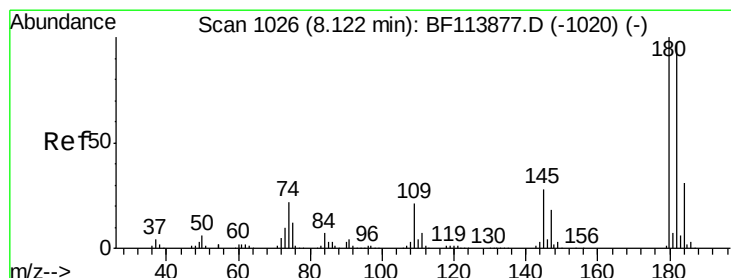
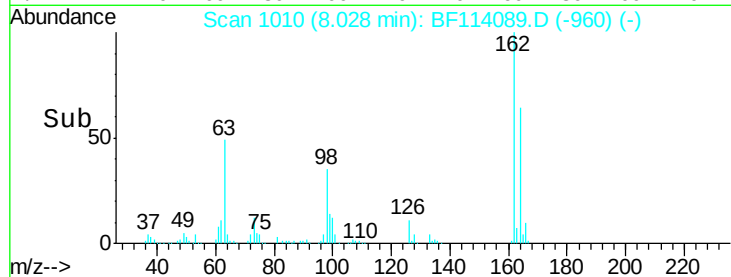
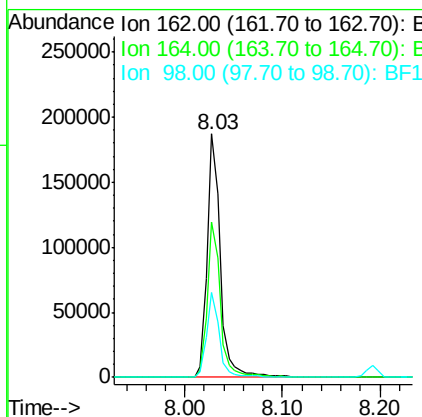
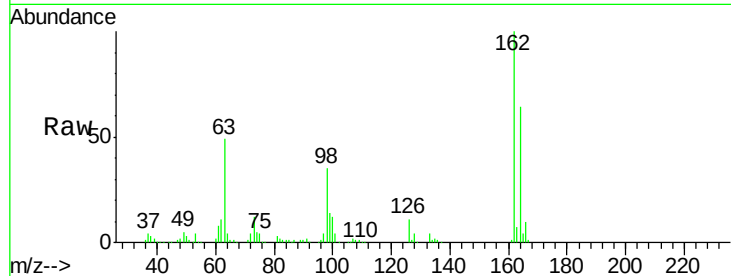




#29  
 2,4-Dichlorophenol  
 Concen: 47.894 ng  
 RT: 8.03 min Scan# 1010  
 Delta R.T. -0.01 min  
 Lab File: BF114089.D  
 Acq: 2 May 2019 17:24

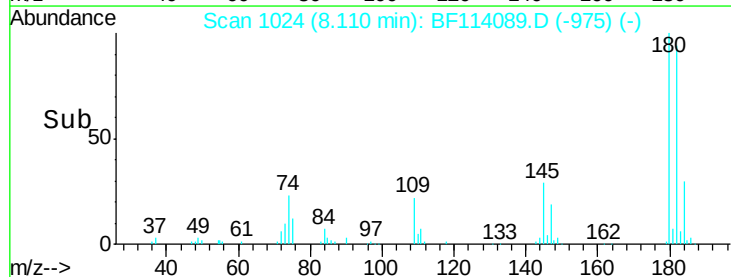
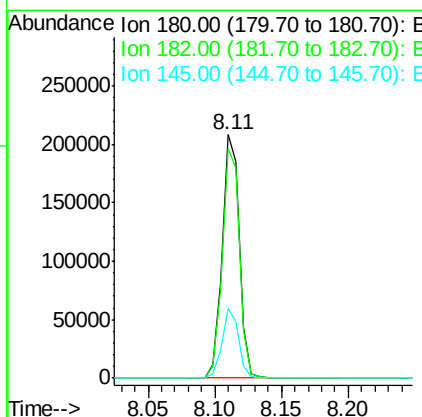
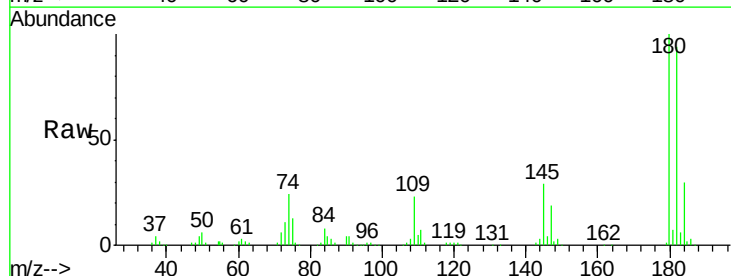
Instrument :  
 BNA\_F  
 ClientSampleId :  
 DRUM-1-4MS

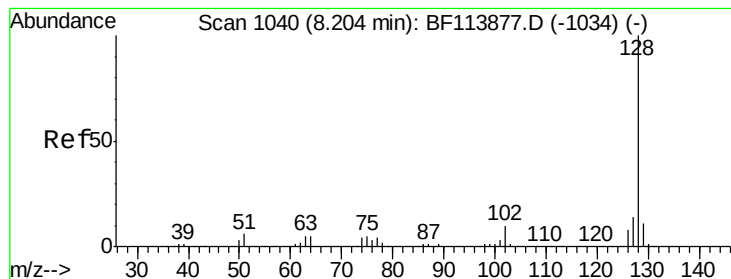
Tot Ion:162 Resp: 175749  
 Ion Ratio Lower Upper  
 162 100  
 164 64.0 43.7 83.7  
 98 34.8 15.5 55.5



#30  
 1,2,4-Trichlorobenzene  
 Concen: 46.577 ng  
 RT: 8.11 min Scan# 1024  
 Delta R.T. -0.01 min  
 Lab File: BF114089.D  
 Acq: 2 May 2019 17:24

Tgt Ion:180 Resp: 190573  
 Ion Ratio Lower Upper  
 180 100  
 182 94.3 75.4 113.0  
 145 28.5 23.0 34.4





#31

Naphthalene

Concen: 48.307 ng

RT: 8.19 min Scan# 1038

Delta R.T. -0.01 min

Lab File: BF114089.D

Acq: 2 May 2019 17:24

Instrument :

BNA\_F

ClientSampleId :

DRUM-1-4MS

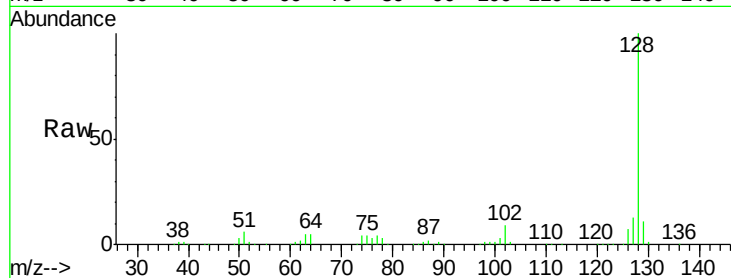
Tot Ion:128 Resp: 553615

Ion Ratio Lower Upper

128 100

129 10.8 9.4 14.0

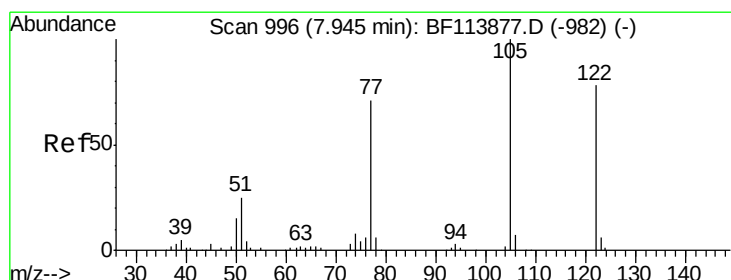
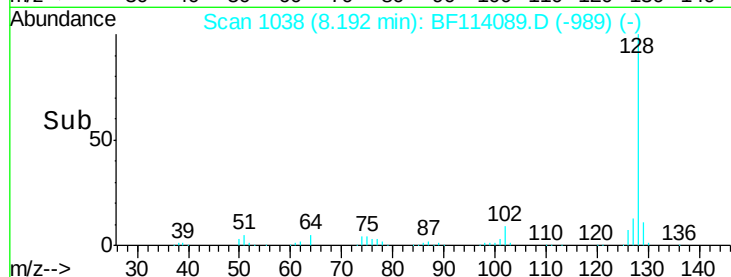
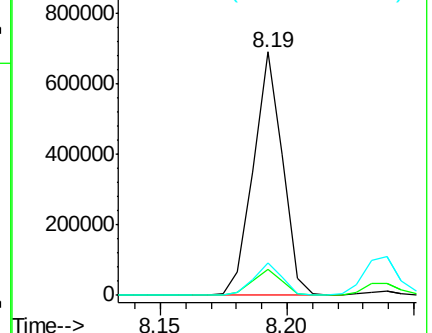
127 13.2 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 77.608 ng

RT: 7.82 min Scan# 975

Delta R.T. -0.12 min

Lab File: BF114089.D

Acq: 2 May 2019 17:24

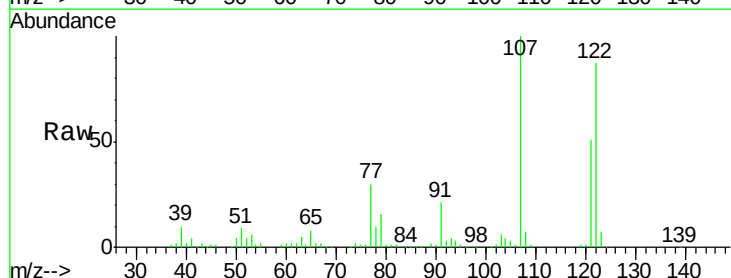
Tgt Ion:122 Resp: 168181

Ion Ratio Lower Upper

122 100

105 3.9 104.3 144.3#

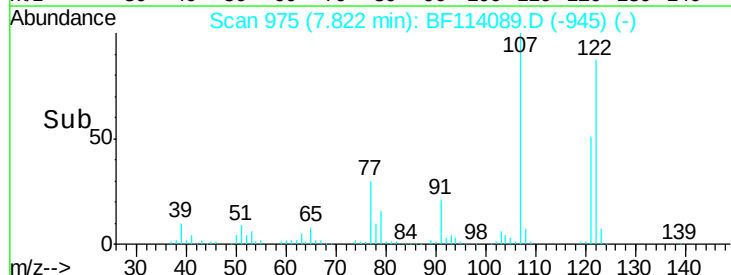
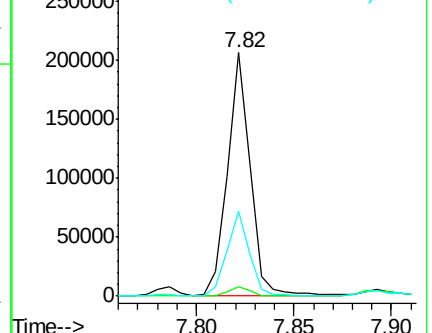
77 35.0 70.4 110.4#

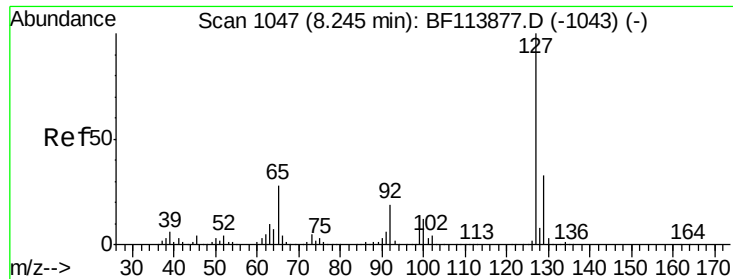


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

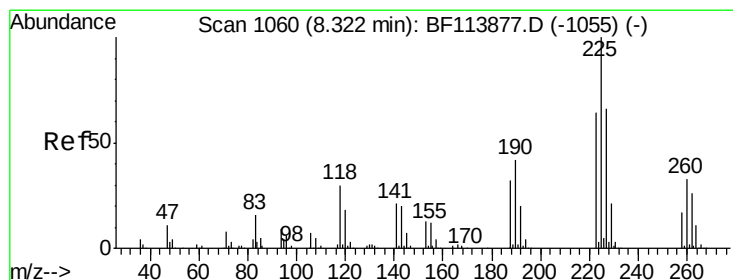
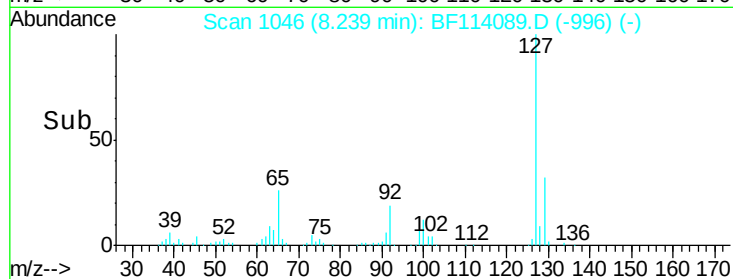
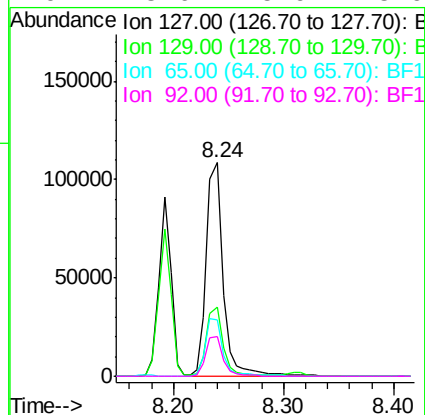
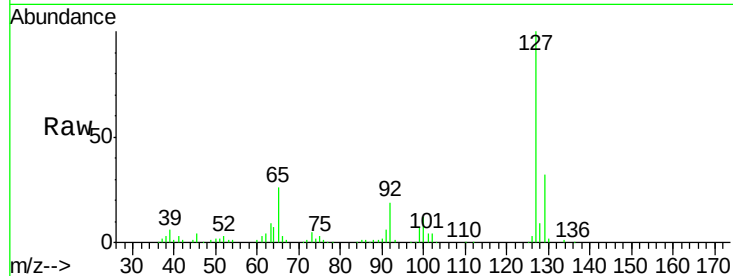




#33  
4-Chloroaniline  
Concen: 23.252 ng  
RT: 8.24 min Scan# 1046  
Delta R.T. -0.01 min  
Lab File: BF114089.D  
Acq: 2 May 2019 17:24

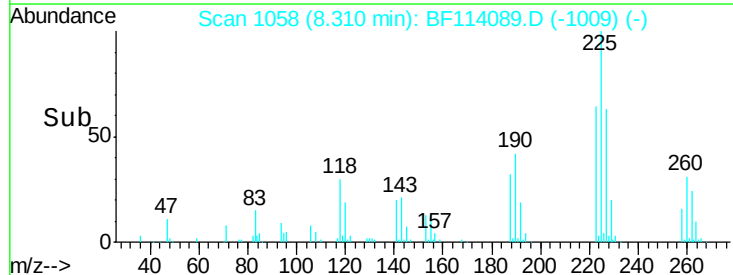
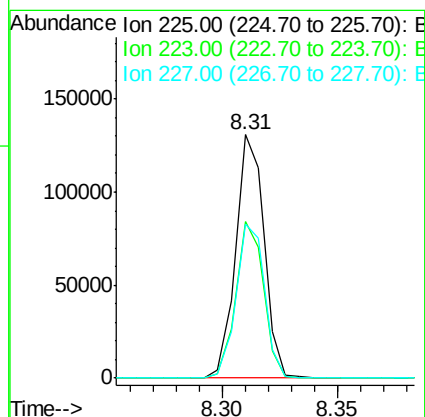
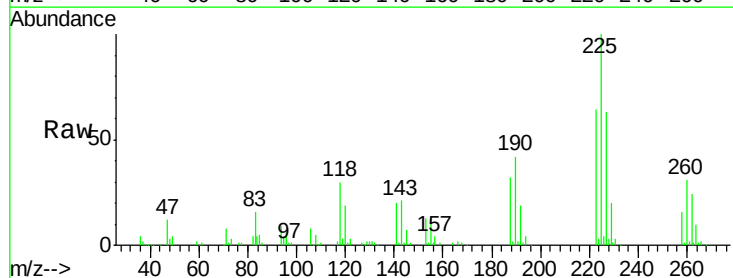
Instrument :  
BNA\_F  
ClientSampleId :  
DRUM-1-4MS

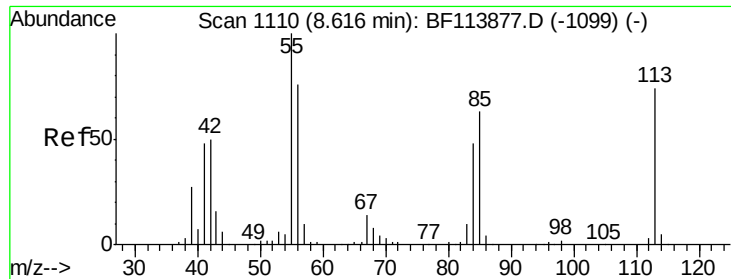
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 127   | Resp: | 112753 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 32.5  | 26.4  | 39.6   |
| 65       | 26.3  | 24.9  | 37.3   |
| 92       | 18.6  | 15.9  | 23.9   |



#34  
Hexachlorobutadiene  
Concen: 43.892 ng  
RT: 8.31 min Scan# 1058  
Delta R.T. -0.01 min  
Lab File: BF114089.D  
Acq: 2 May 2019 17:24

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 111953 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 64.4  | 51.1  | 76.7   |
| 227      | 63.1  | 49.9  | 74.9   |

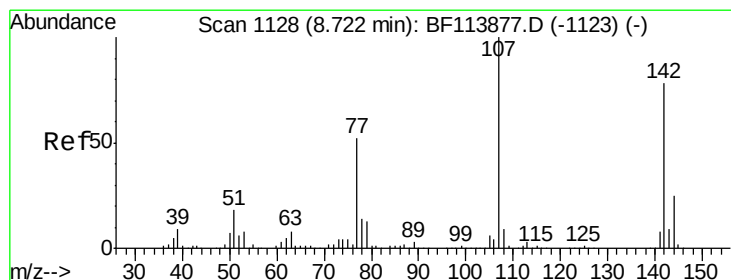
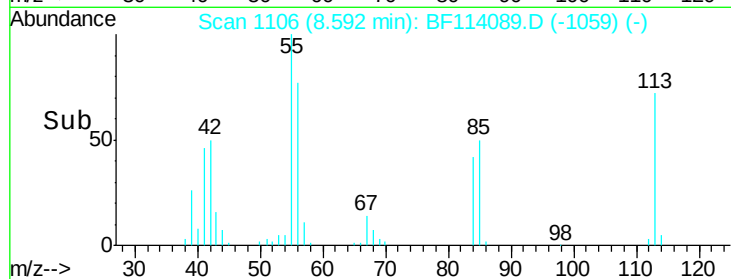
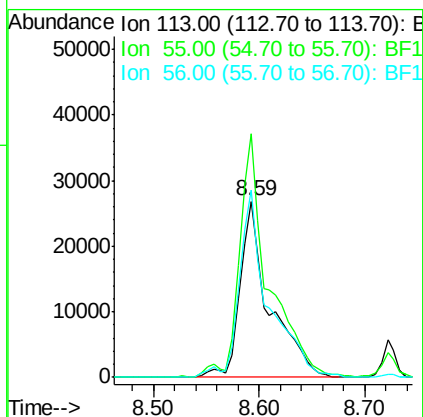
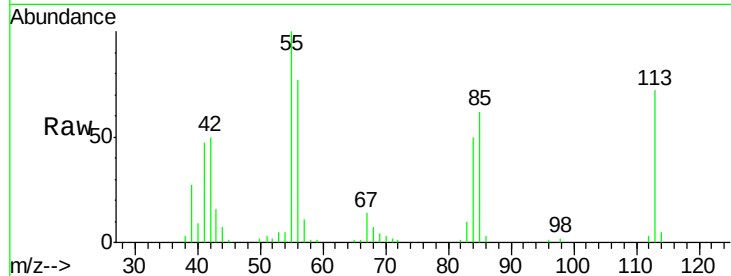




#35  
 Caprolactam  
 Concen: 44.148 ng  
 RT: 8.59 min Scan# 1106  
 Delta R.T. -0.02 min  
 Lab File: BF114089.D  
 Acq: 2 May 2019 17:24

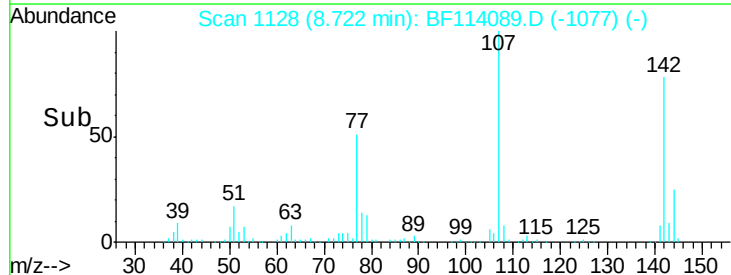
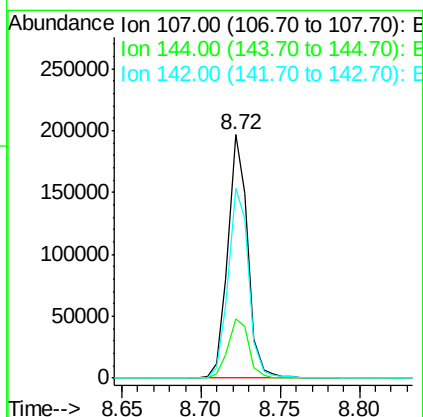
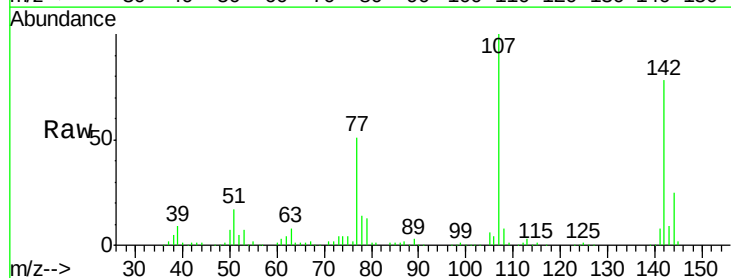
Instrument :  
 BNA\_F  
 ClientSampleId :  
 DRUM-1-4MS

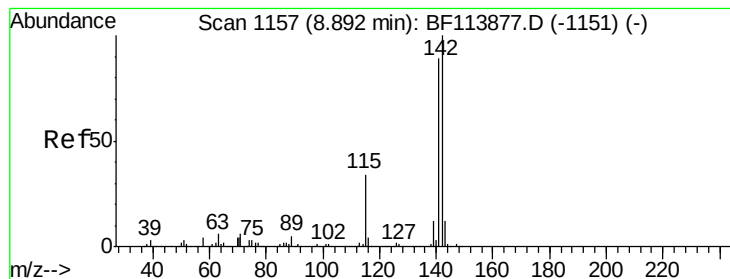
Tot Ion:113 Resp: 51534  
 Ion Ratio Lower Upper  
 113 100  
 55 138.1 128.6 168.6  
 56 106.5 91.9 131.9



#36  
 4-Chloro-3-methylphenol  
 Concen: 47.271 ng  
 RT: 8.72 min Scan# 1128  
 Delta R.T. -0.00 min  
 Lab File: BF114089.D  
 Acq: 2 May 2019 17:24

Tgt Ion:107 Resp: 171851  
 Ion Ratio Lower Upper  
 107 100  
 144 24.6 20.5 30.7  
 142 77.8 64.2 96.4





#37

2-Methylnaphthalene

Concen: 49.001 ng

RT: 8.89 min Scan# 1156

Delta R.T. -0.01 min

Lab File: BF114089.D

Acq: 2 May 2019 17:24

Instrument :

BNA\_F

ClientSampleId :

DRUM-1-4MS

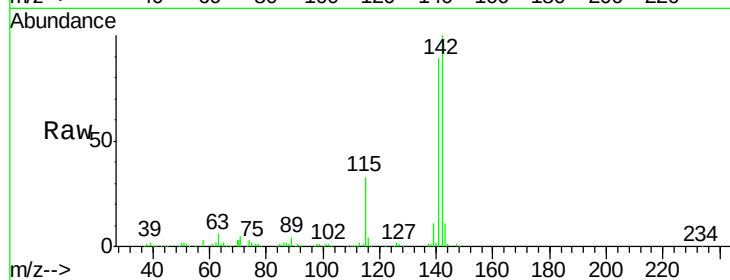
Tot Ion:142 Resp: 378689

Ion Ratio Lower Upper

142 100

141 88.8 70.4 105.6

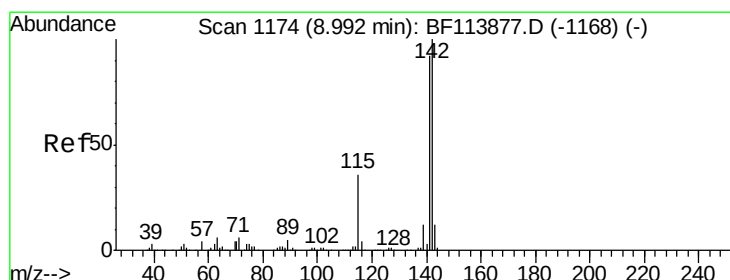
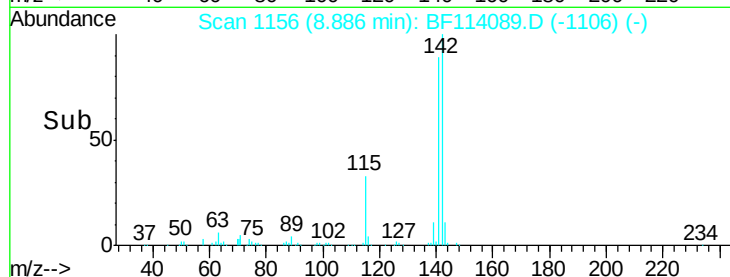
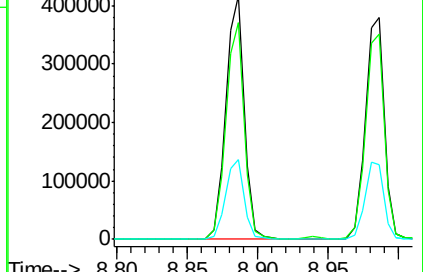
115 32.9 26.3 39.5



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: 47.426 ng

RT: 8.99 min Scan# 1173

Delta R.T. -0.01 min

Lab File: BF114089.D

Acq: 2 May 2019 17:24

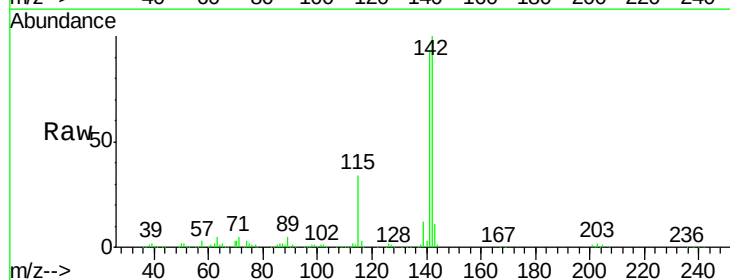
Tgt Ion:142 Resp: 353750

Ion Ratio Lower Upper

142 100

141 92.7 72.3 108.5

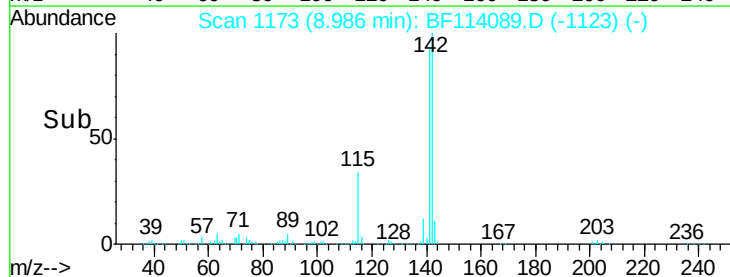
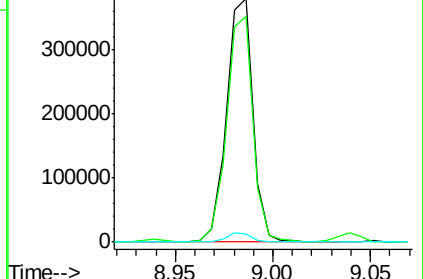
116 3.4 3.0 4.4

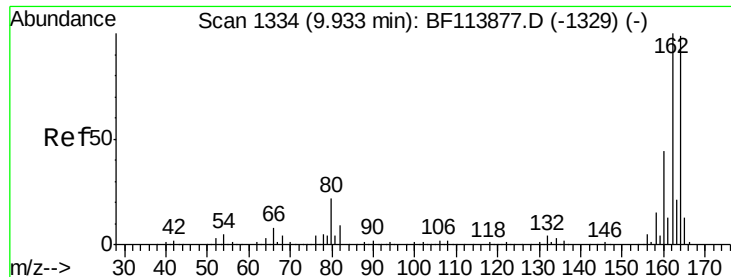


Abundance Ion 142.00 (141.70 to 142.70): E

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: 9.93 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF114089.D

Acq: 2 May 2019 17:24

Instrument :

BNA\_F

ClientSampleId :

DRUM-1-4MS

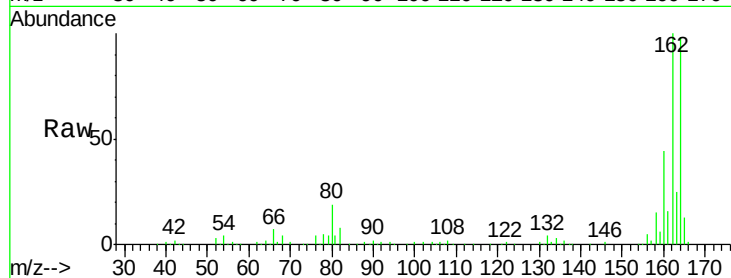
Tot Ion:164 Resp: 130718

Ion Ratio Lower Upper

164 100

162 101.7 81.1 121.7

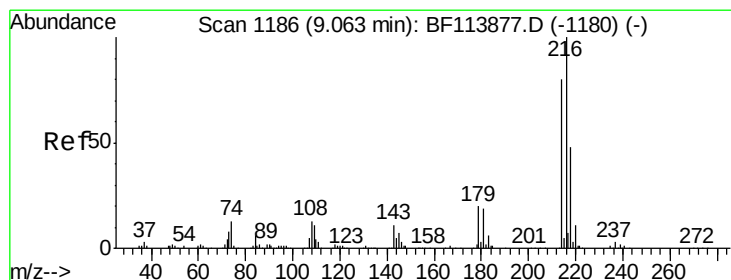
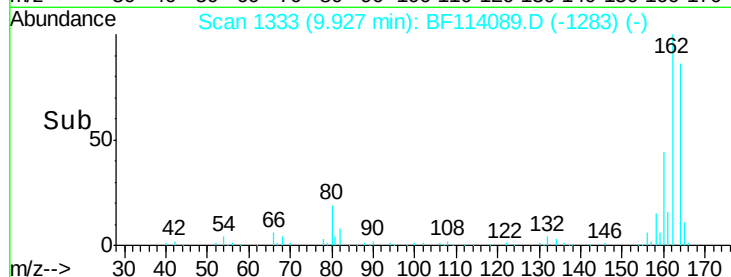
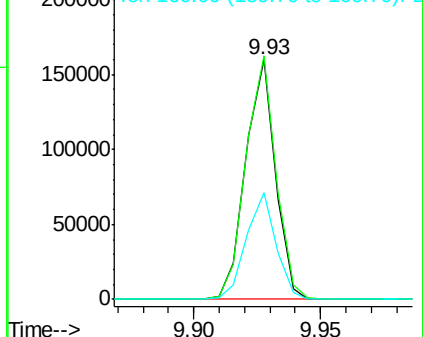
160 44.6 35.8 53.6



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: 45.130 ng

RT: 9.05 min Scan# 1184

Delta R.T. -0.01 min

Lab File: BF114089.D

Acq: 2 May 2019 17:24

Tgt Ion:216 Resp: 191628

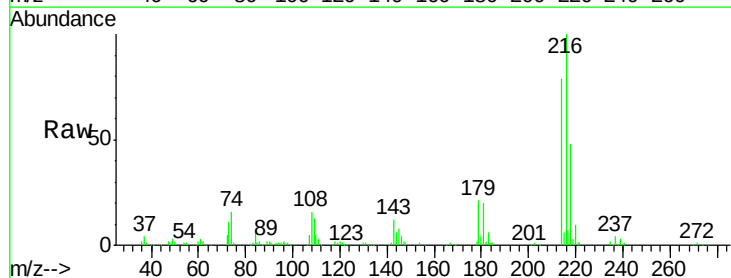
Ion Ratio Lower Upper

216 100

214 78.7 63.5 95.3

179 20.6 16.1 24.1

108 16.3 13.4 20.0

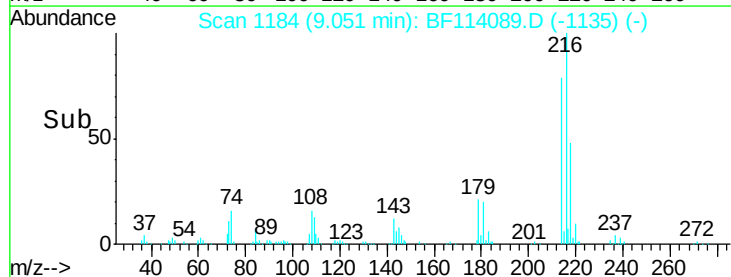
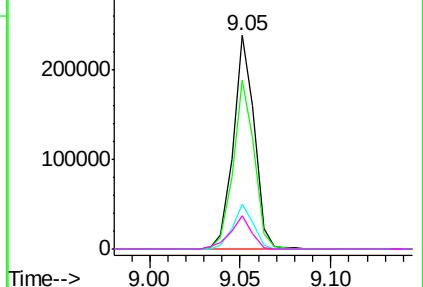


Abundance Ion 216.00 (215.70 to 216.70): E

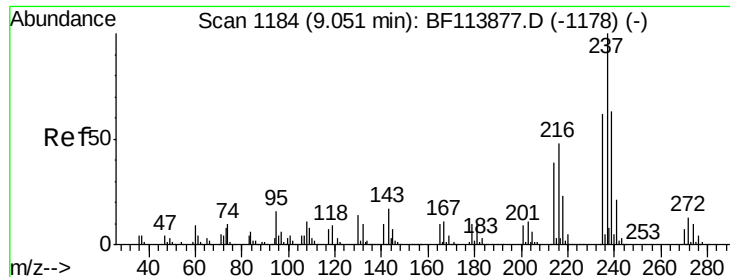
Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



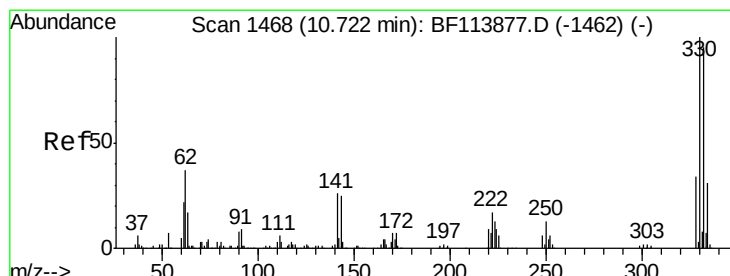
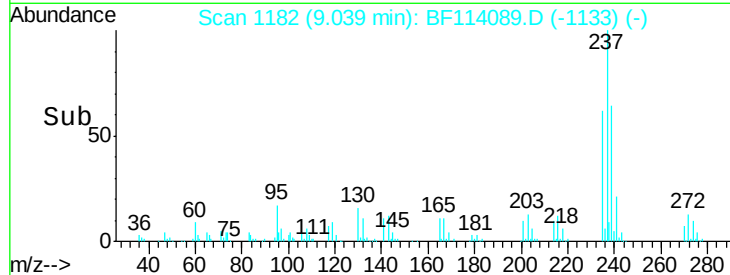
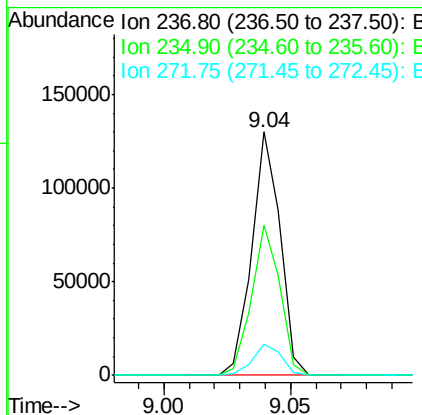
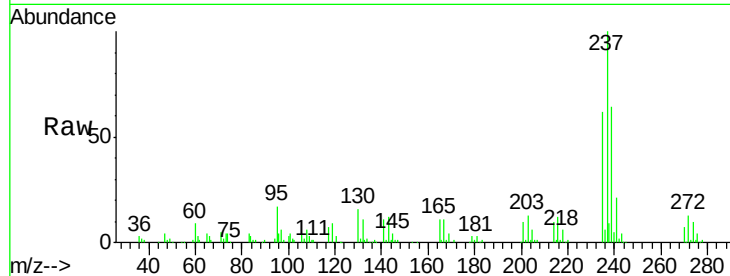




#41  
Hexachlorocyclopentadiene  
Concen: 42.754 ng  
RT: 9.04 min Scan# 1182  
Delta R.T. -0.01 min  
Lab File: BF114089.D  
Acq: 2 May 2019 17:24

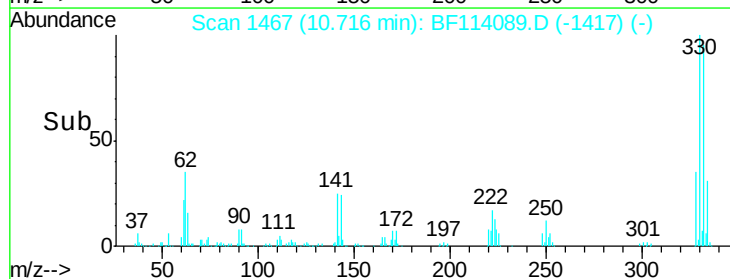
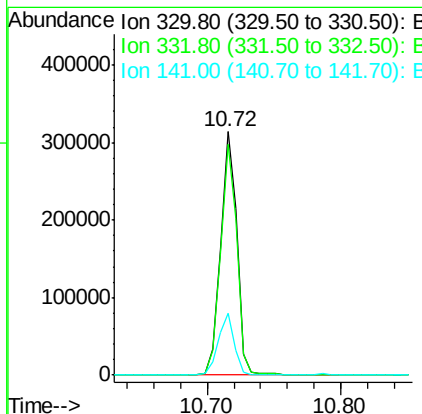
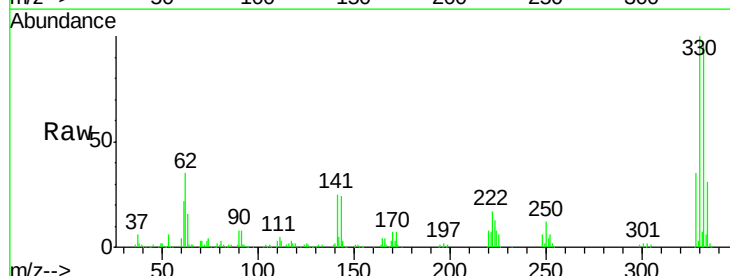
Instrument :  
BNA\_F  
ClientSampleId :  
DRUM-1-4MS

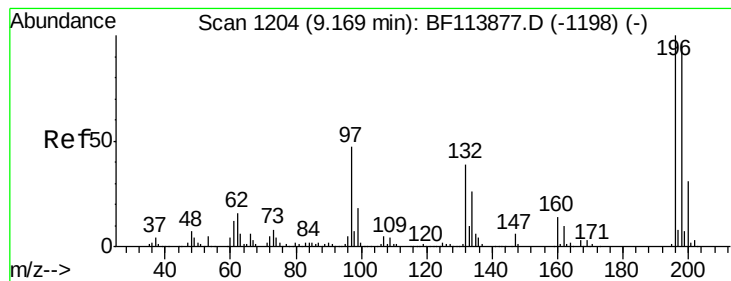
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 237   | Resp: | 101234 |
| Ion Ratio | Lower | Upper |        |
| 237       | 100   |       |        |
| 235       | 61.9  | 42.6  | 82.6   |
| 272       | 12.8  | 0.0   | 33.8   |



#42  
2,4,6-Tribromophenol  
Concen: 171.025 ng  
RT: 10.72 min Scan# 1467  
Delta R.T. -0.01 min  
Lab File: BF114089.D  
Acq: 2 May 2019 17:24

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 330   | Resp: | 272342 |
| Ion Ratio | Lower | Upper |        |
| 330       | 100   |       |        |
| 332       | 95.3  | 77.5  | 116.3  |
| 141       | 25.0  | 22.2  | 33.2   |





#43

2,4,6-Trichlorophenol

Concen: 48.290 ng

RT: 9.16 min Scan# 1203

Delta R.T. -0.01 min

Lab File: BF114089.D

Acq: 2 May 2019 17:24

Instrument :

BNA\_F

ClientSampleId :

DRUM-1-4MS

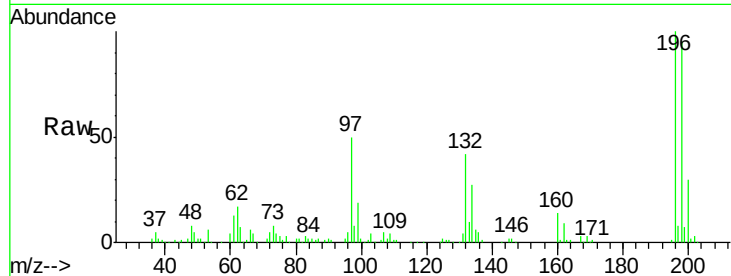
Tot Ion:196 Resp: 130204

Ion Ratio Lower Upper

196 100

198 94.9 75.6 113.4

200 29.9 24.7 37.1

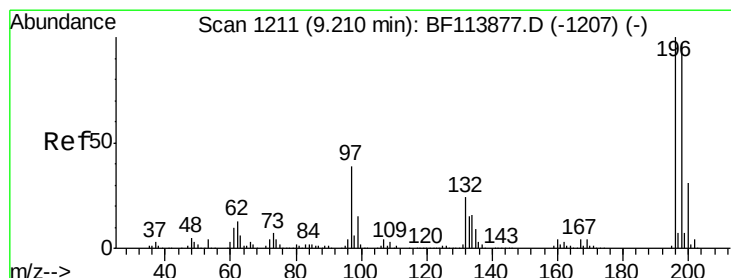
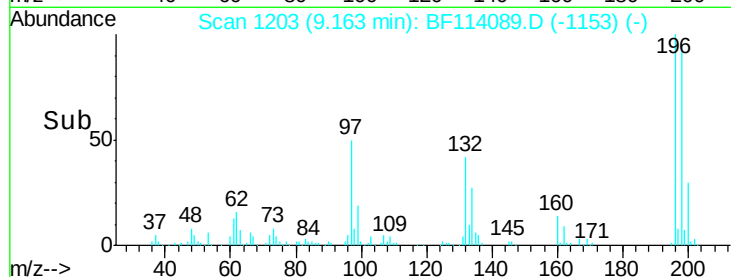
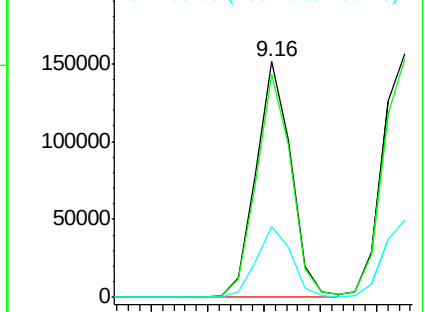


Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#44

2,4,5-Trichlorophenol

Concen: 45.665 ng

RT: 9.21 min Scan# 1211

Delta R.T. -0.00 min

Lab File: BF114089.D

Acq: 2 May 2019 17:24

Tgt Ion:196 Resp: 138103

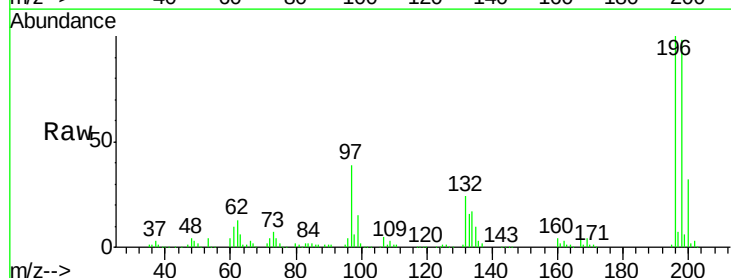
Ion Ratio Lower Upper

196 100

198 98.1 76.2 114.4

97 39.3 35.8 53.8

132 24.0 20.9 31.3



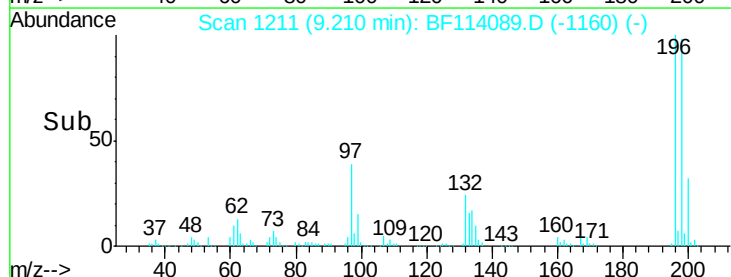
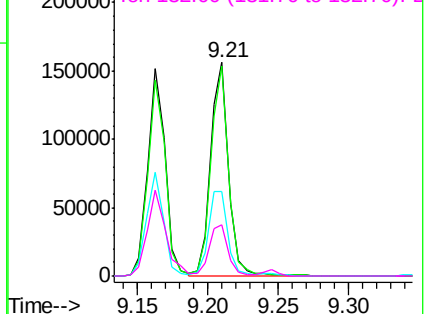
Abundance

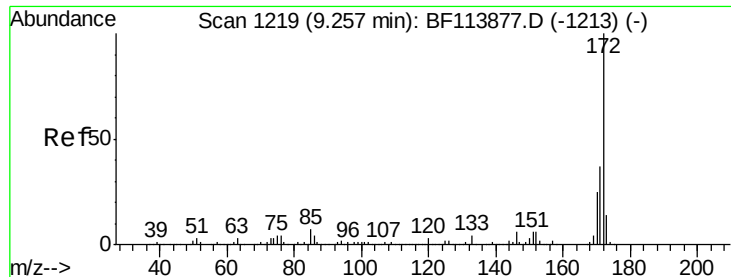
Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF1

Ion 132.00 (131.70 to 132.70): E

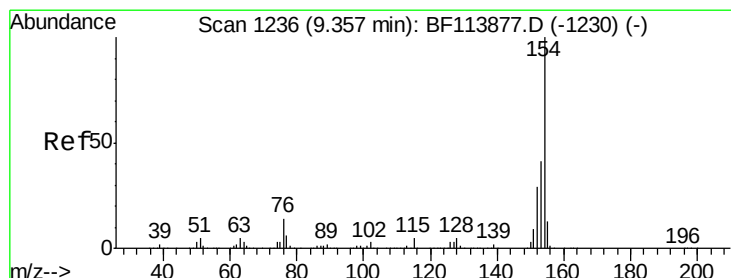
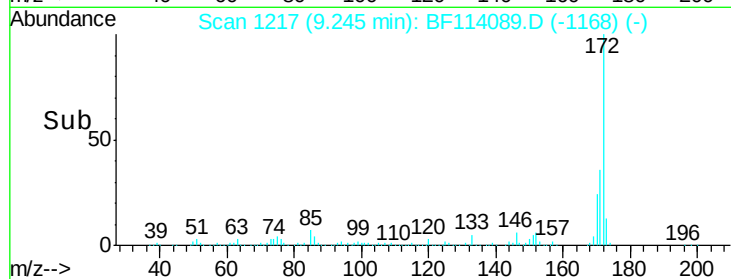
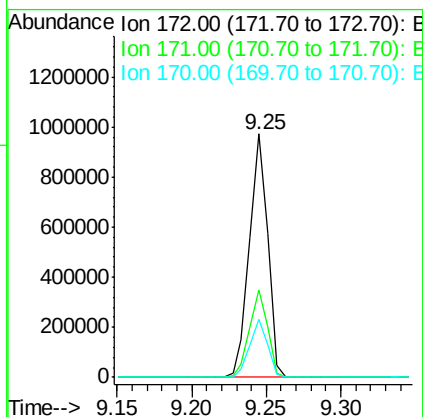
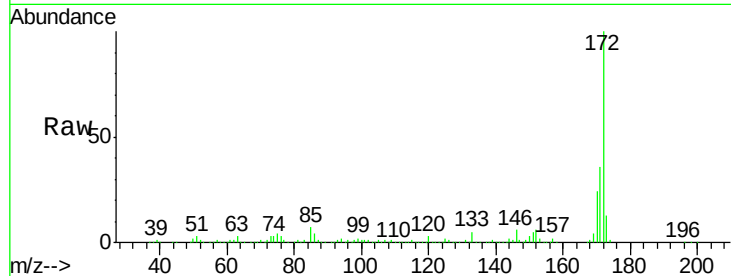




#45  
2-Fluorobiphenyl  
Concen: 98.321 ng  
RT: 9.25 min Scan# 1217  
Delta R.T. -0.01 min  
Lab File: BF114089.D  
Acq: 2 May 2019 17:24

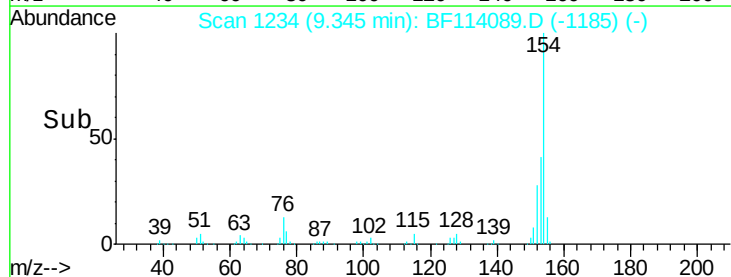
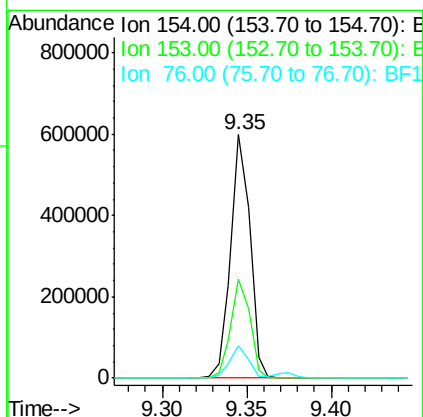
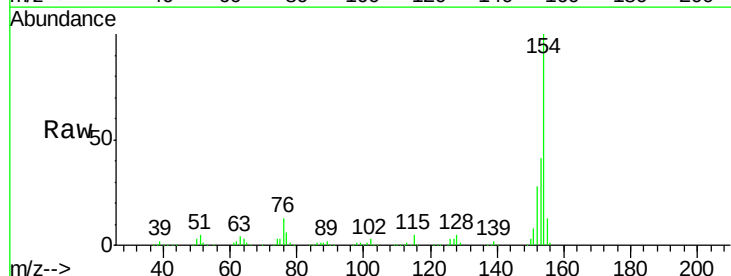
Instrument :  
BNA\_F  
ClientSampleId :  
DRUM-1-4MS

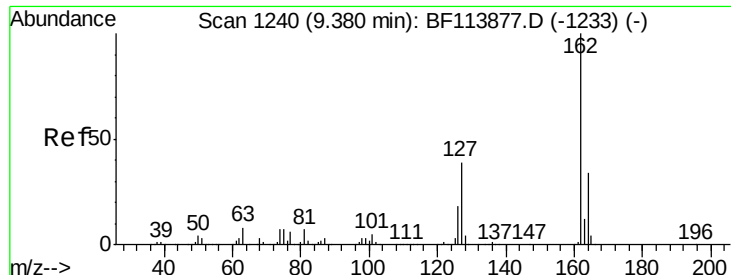
Tot Ion:172 Resp: 821744  
Ion Ratio Lower Upper  
172 100  
171 35.9 29.4 44.0  
170 23.6 19.9 29.9



#46  
1,1'-Biphenyl  
Concen: 47.709 ng  
RT: 9.35 min Scan# 1234  
Delta R.T. -0.01 min  
Lab File: BF114089.D  
Acq: 2 May 2019 17:24

Tgt Ion:154 Resp: 476419  
Ion Ratio Lower Upper  
154 100  
153 40.6 20.8 60.8  
76 13.3 0.0 35.2

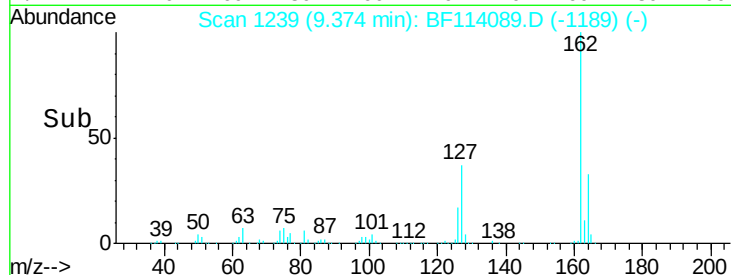
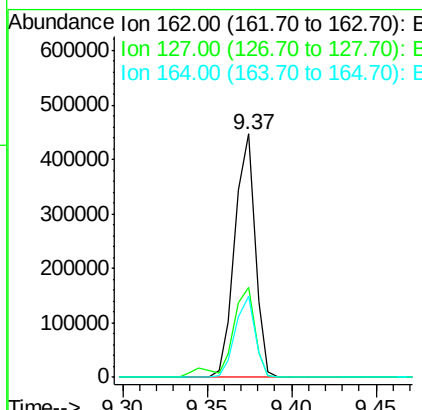
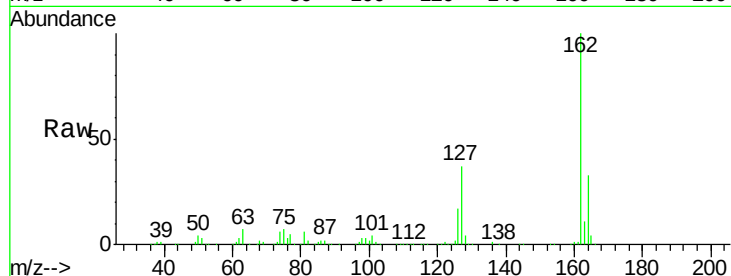




#47  
 2-Chloronaphthalene  
 Concen: 46.087 ng  
 RT: 9.37 min Scan# 1239  
 Delta R.T. -0.01 min  
 Lab File: BF114089.D  
 Acq: 2 May 2019 17:24

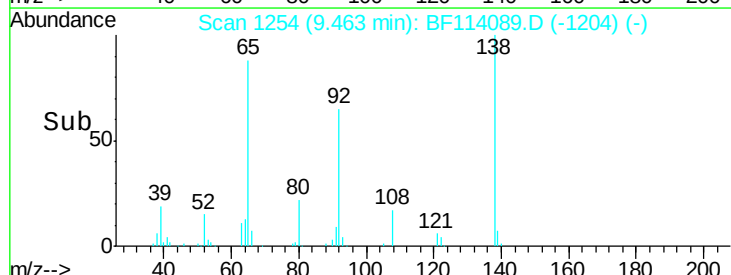
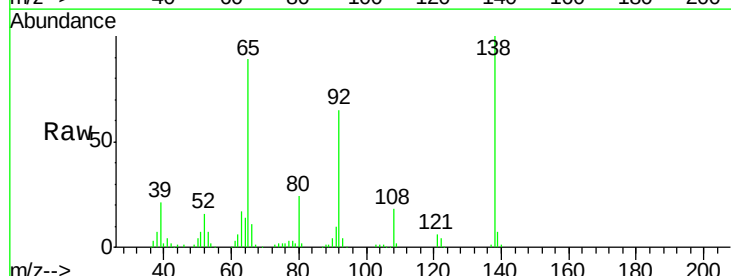
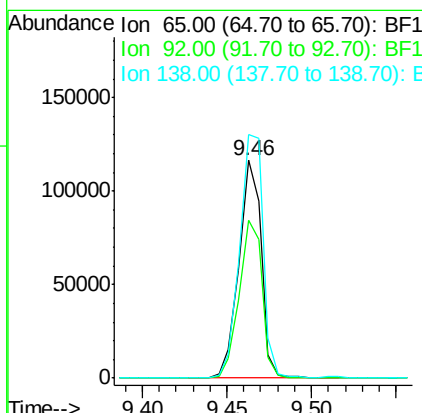
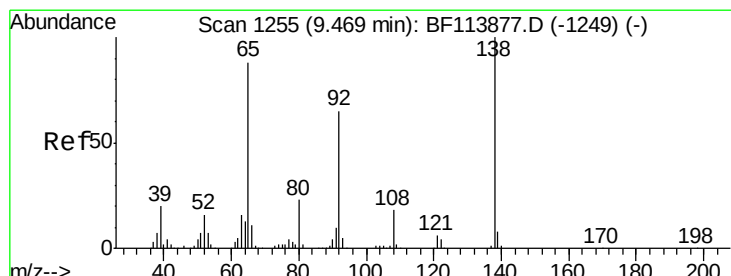
Instrument :  
 BNA\_F  
 ClientSampleId :  
 DRUM-1-4MS

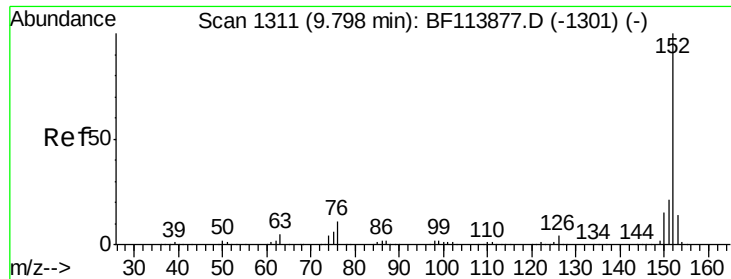
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 162   | Resp: | 374258 |
| Ion      | Ratio | Lower | Upper  |
| 162      | 100   |       |        |
| 127      | 37.1  | 29.3  | 43.9   |
| 164      | 33.1  | 27.1  | 40.7   |



#48  
 2-Nitroaniline  
 Concen: 50.180 ng  
 RT: 9.46 min Scan# 1254  
 Delta R.T. -0.01 min  
 Lab File: BF114089.D  
 Acq: 2 May 2019 17:24

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 106824 |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 92       | 72.7  | 57.4  | 86.0   |
| 138      | 112.0 | 85.4  | 128.0  |





#49

Acenaphthylene

Concen: 45.997 ng

RT: 9.79 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BF114089.D

Acq: 2 May 2019 17:24

Instrument :

BNA\_F

ClientSampleId :

DRUM-1-4MS

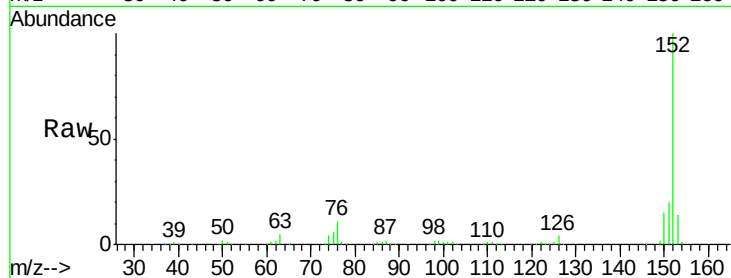
Tot Ion:152 Resp: 584761

Ion Ratio Lower Upper

152 100

151 19.7 17.0 25.4

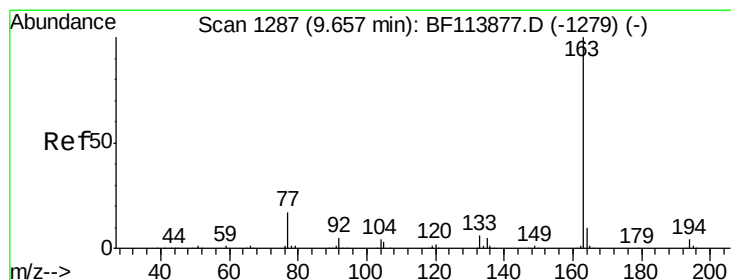
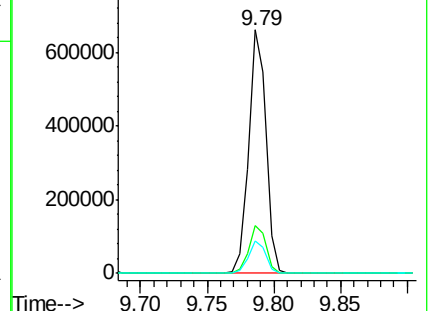
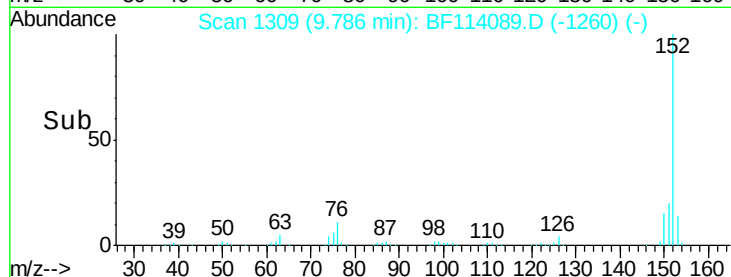
153 13.6 11.0 16.6



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: 55.564 ng

RT: 9.65 min Scan# 1285

Delta R.T. -0.01 min

Lab File: BF114089.D

Acq: 2 May 2019 17:24

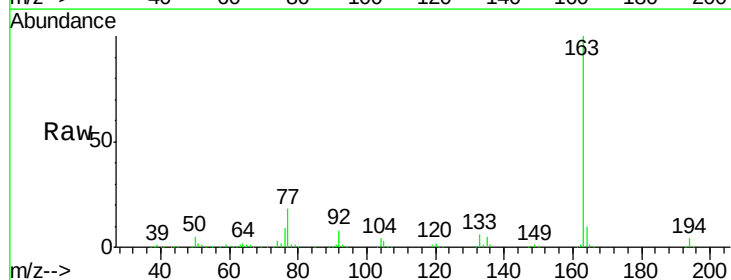
Tgt Ion:163 Resp: 525291

Ion Ratio Lower Upper

163 100

194 4.0 3.4 5.2

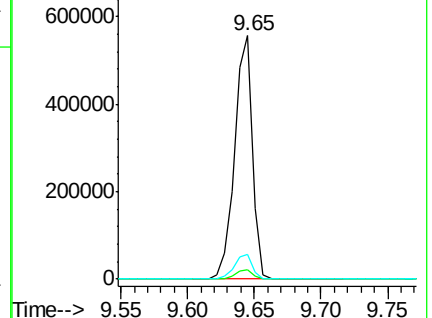
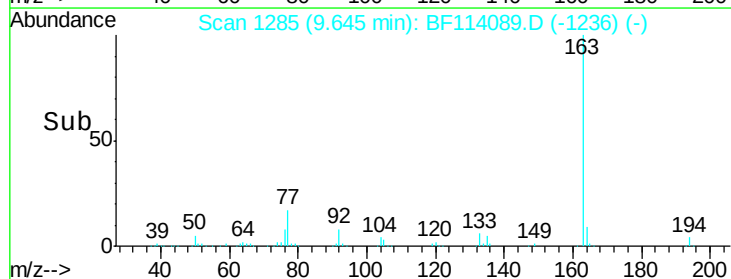
164 10.1 8.5 12.7

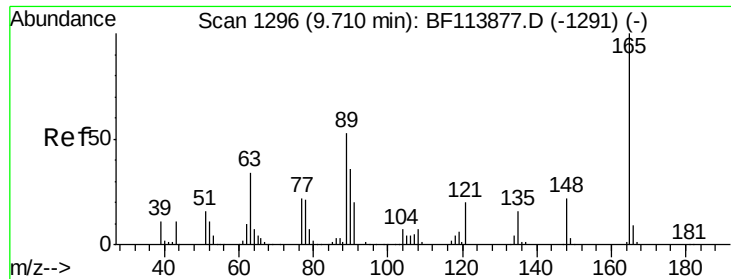


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

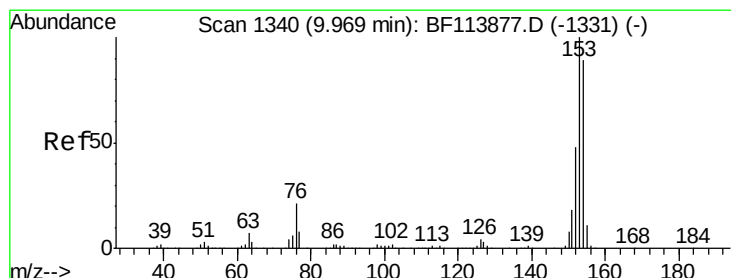
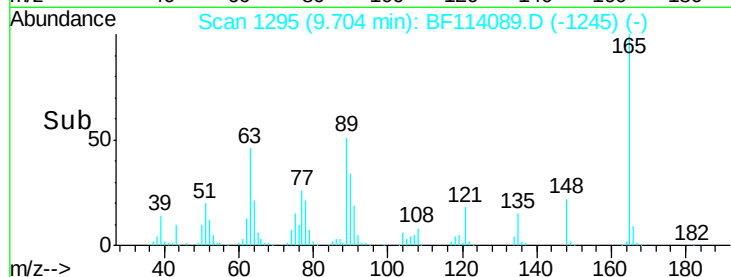
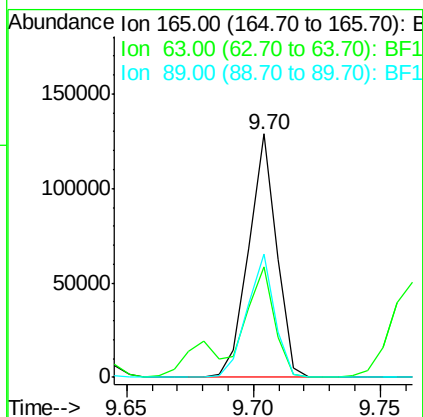
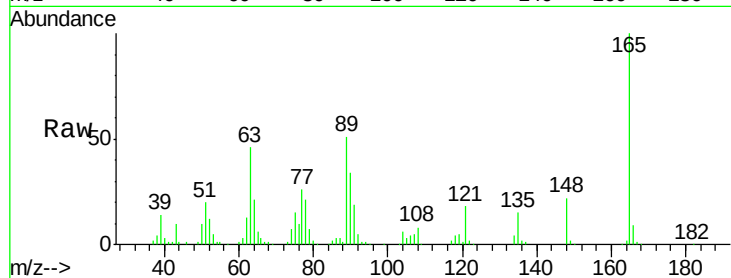




#51  
 2,6-Dinitrotoluene  
 Concen: 48.939 ng  
 RT: 9.70 min Scan# 1295  
 Delta R.T. -0.01 min  
 Lab File: BF114089.D  
 Acq: 2 May 2019 17:24

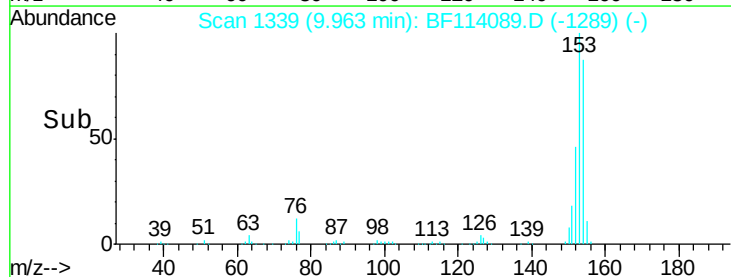
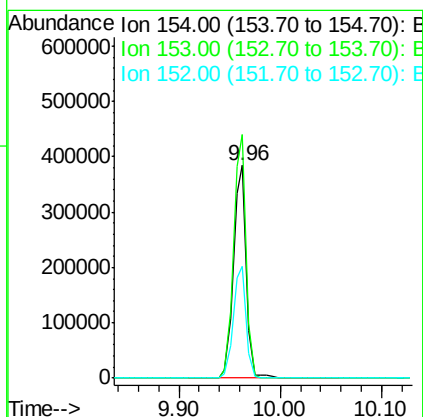
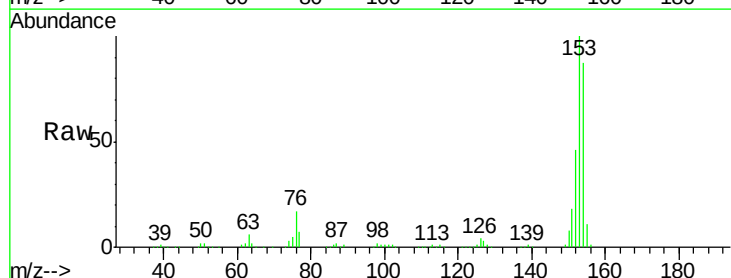
Instrument :  
 BNA\_F  
 ClientSampleId :  
 DRUM-1-4MS

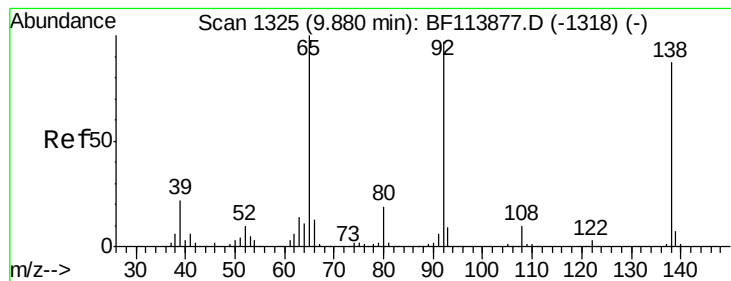
Tot Ion:165 Resp: 99258  
 Ion Ratio Lower Upper  
 165 100  
 63 45.6 33.8 50.8  
 89 50.7 38.2 57.2



#52  
 Acenaphthene  
 Concen: 44.666 ng  
 RT: 9.96 min Scan# 1339  
 Delta R.T. -0.01 min  
 Lab File: BF114089.D  
 Acq: 2 May 2019 17:24

Tgt Ion:154 Resp: 335588  
 Ion Ratio Lower Upper  
 154 100  
 153 114.6 87.2 130.8  
 152 52.9 42.3 63.5





#53

3-Nitroaniline

Concen: 37.327 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF114089.D

Acq: 2 May 2019 17:24

Instrument :

BNA\_F

ClientSampleId :

DRUM-1-4MS

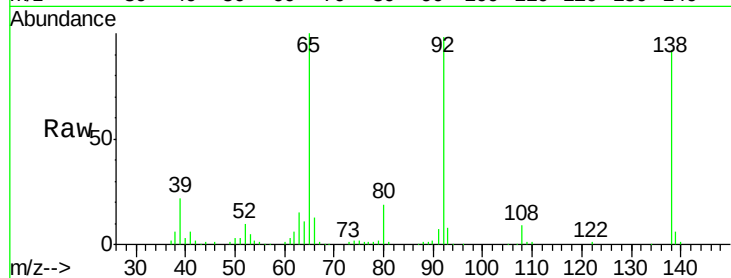
Tot Ion:138 Resp: 79553

Ion Ratio Lower Upper

138 100

108 10.2 9.4 14.2

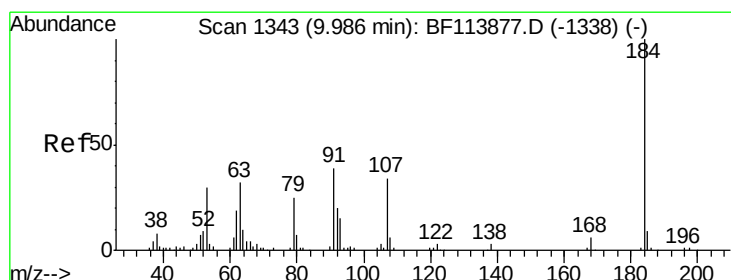
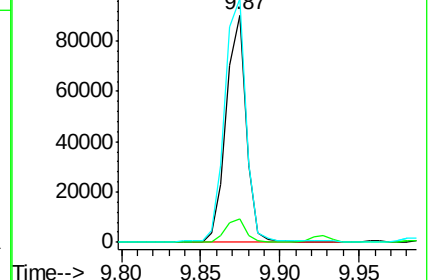
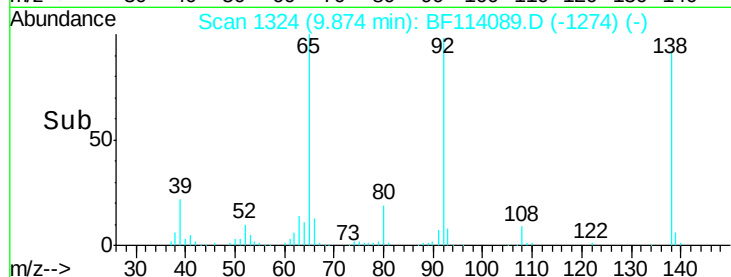
92 107.2 94.1 141.1



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: 17.132 ng

RT: 9.99 min Scan# 1343

Delta R.T. 0.00 min

Lab File: BF114089.D

Acq: 2 May 2019 17:24

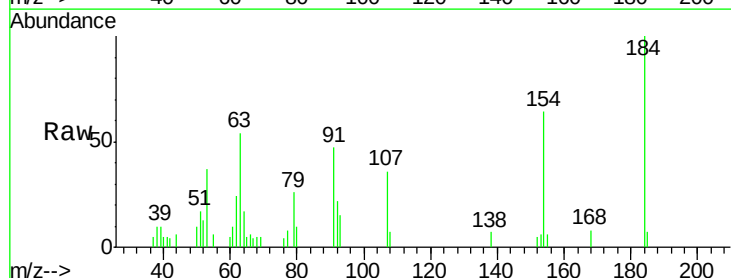
Tgt Ion:184 Resp: 8631

Ion Ratio Lower Upper

184 100

63 54.0 54.6 81.8#

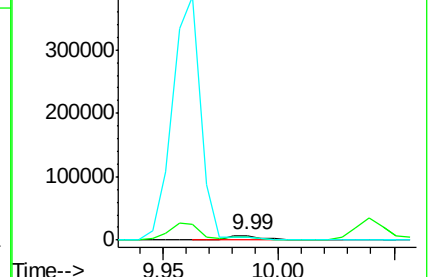
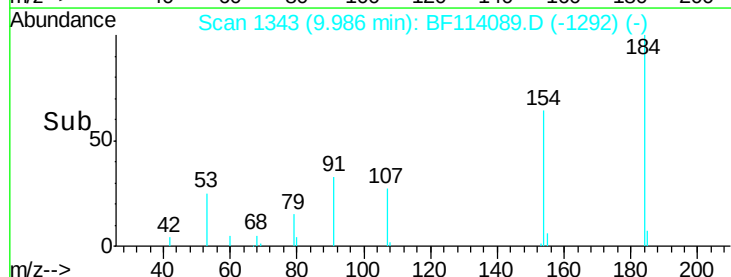
154 63.9 218.6 328.0#

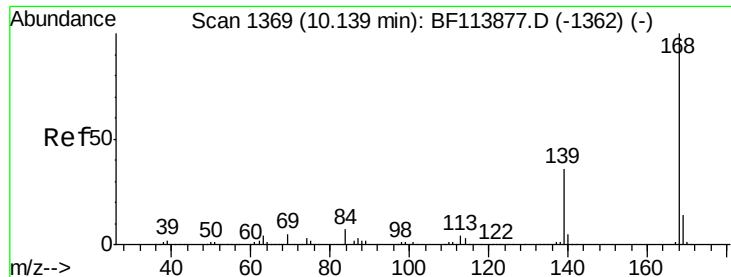


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

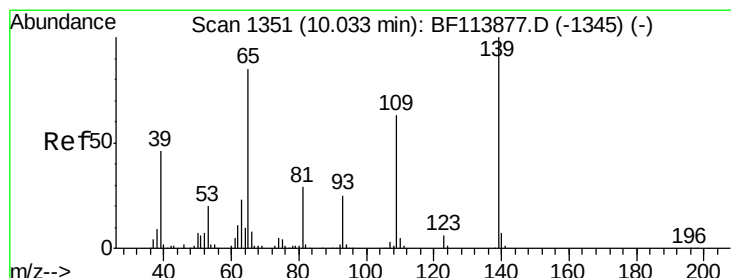
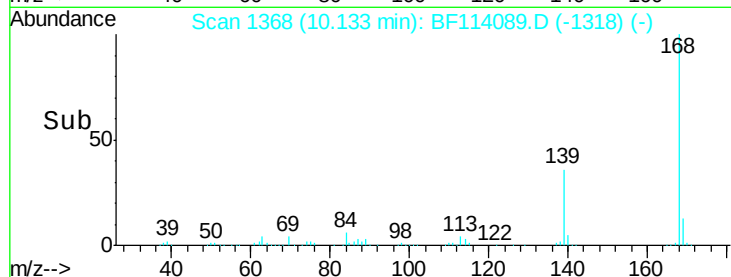
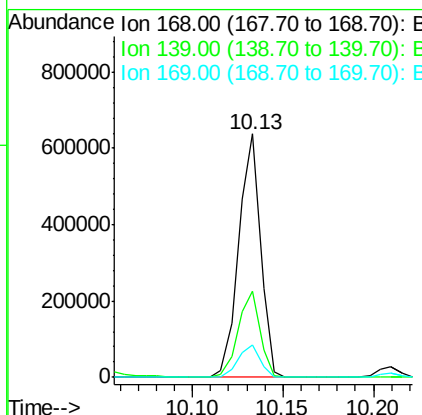
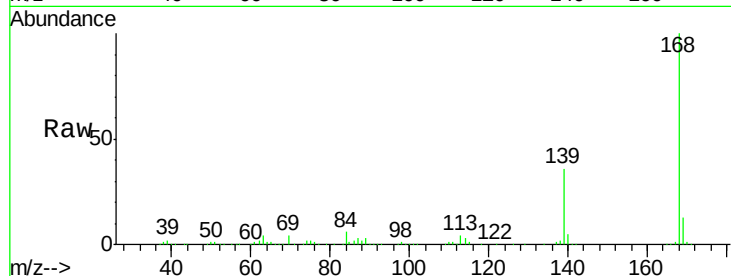




#55  
Dibenzenofuran  
Concen: 47.553 ng  
RT: 10.13 min Scan# 1368  
Delta R.T. -0.01 min  
Lab File: BF114089.D  
Acq: 2 May 2019 17:24

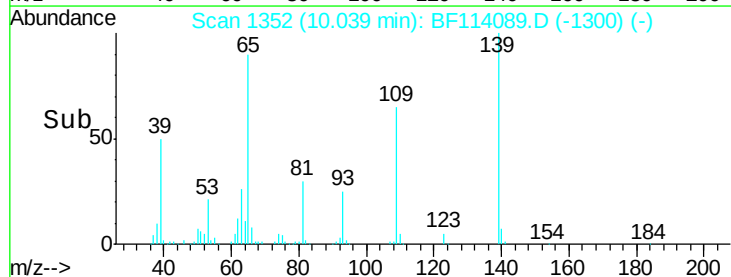
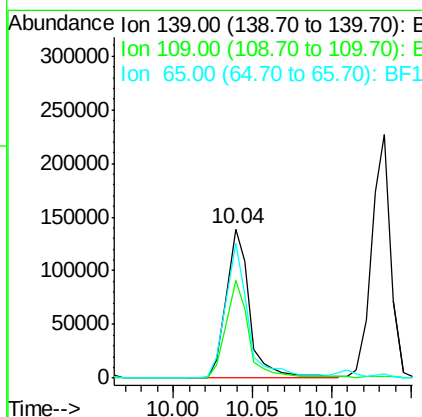
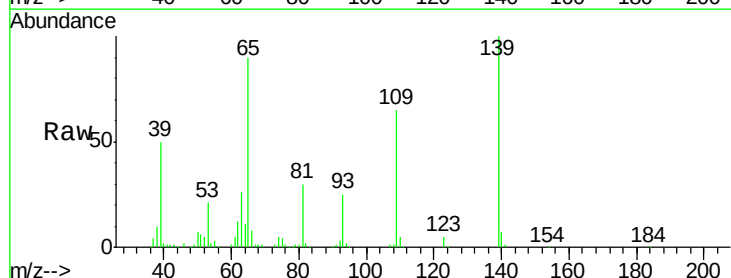
Instrument :  
BNA\_F  
ClientSampleId :  
DRUM-1-4MS

Tot Ion:168 Resp: 535176  
Ion Ratio Lower Upper  
168 100  
139 35.6 27.8 41.6  
169 13.4 11.0 16.6

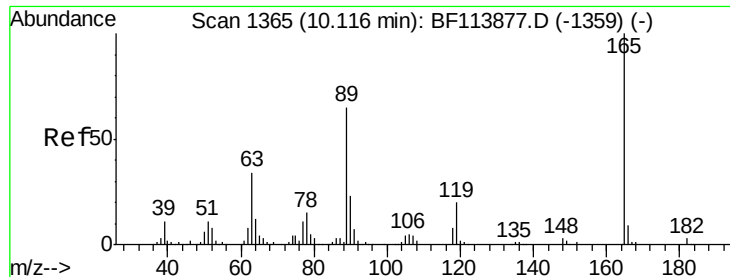


#56  
4-Nitrophenol  
Concen: 84.586 ng  
RT: 10.04 min Scan# 1352  
Delta R.T. 0.01 min  
Lab File: BF114089.D  
Acq: 2 May 2019 17:24

Tgt Ion:139 Resp: 142737  
Ion Ratio Lower Upper  
139 100  
109 65.1 42.9 82.9  
65 89.9 64.4 104.4







#57

2,4-Dinitrotoluene

Concen: 52.634 ng

RT: 10.11 min Scan# 1364

Delta R.T. -0.01 min

Lab File: BF114089.D

Acq: 2 May 2019 17:24

Instrument :

BNA\_F

ClientSampleId :

DRUM-1-4MS

Tot Ion:165 Resp: 134743

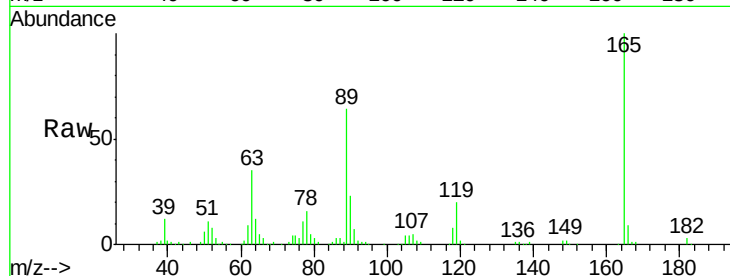
Ion Ratio Lower Upper

165 100

63 35.3 27.4 41.0

89 63.8 51.8 77.6

182 3.0 2.2 3.2

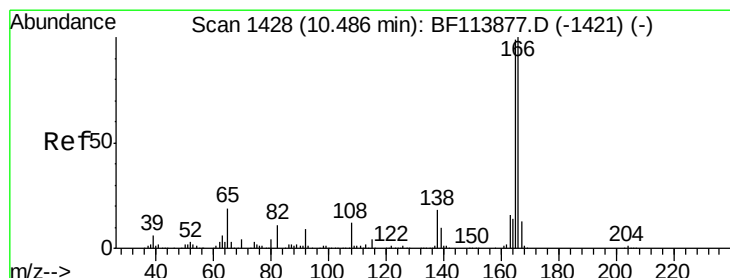
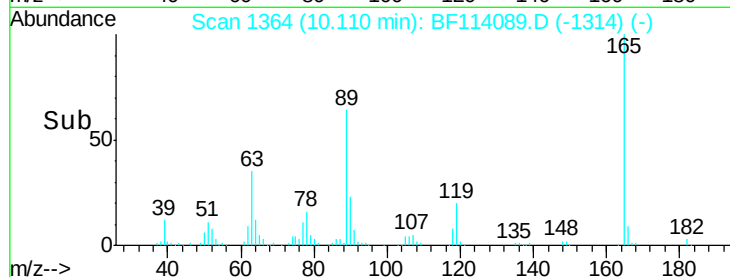
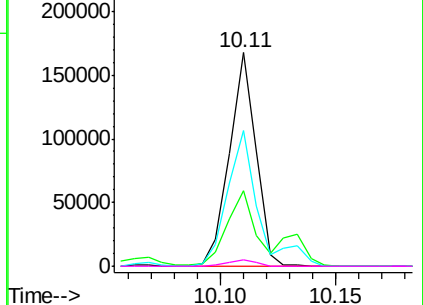


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 49.519 ng

RT: 10.47 min Scan# 1426

Delta R.T. -0.01 min

Lab File: BF114089.D

Acq: 2 May 2019 17:24

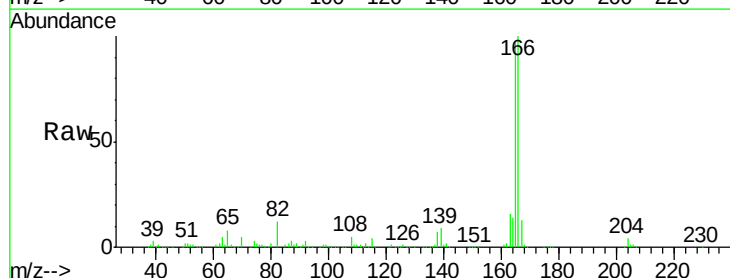
Tgt Ion:166 Resp: 419580

Ion Ratio Lower Upper

166 100

165 96.8 78.4 117.6

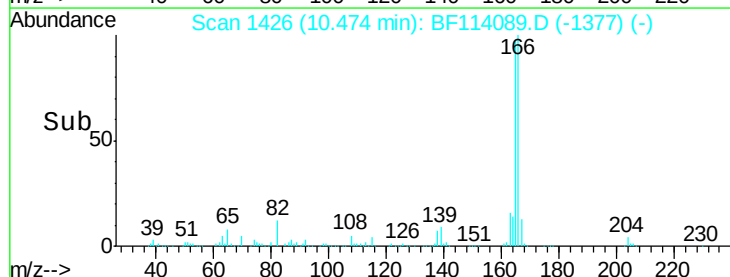
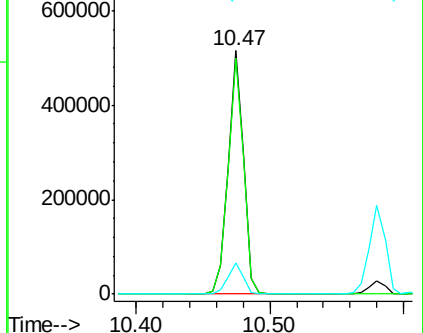
167 12.9 10.9 16.3

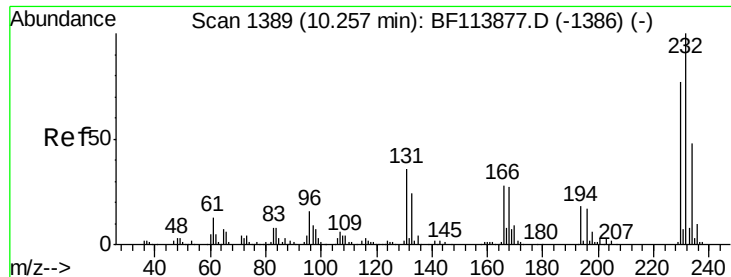


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

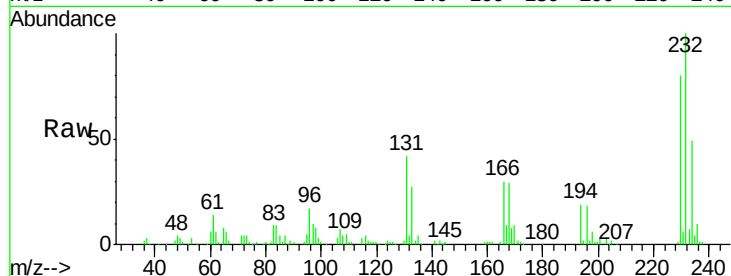




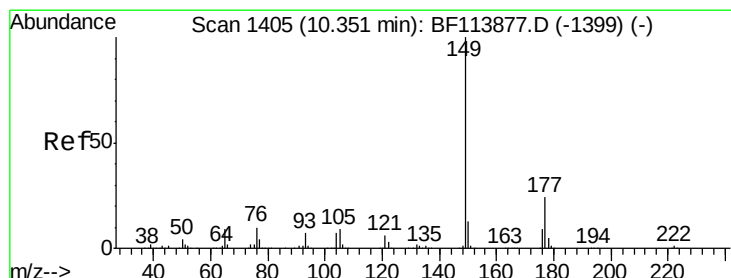
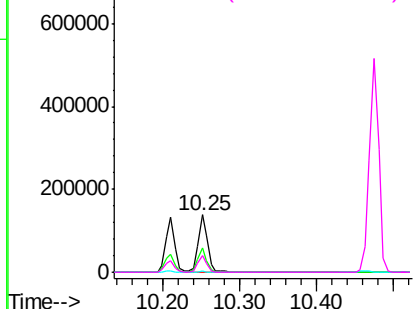
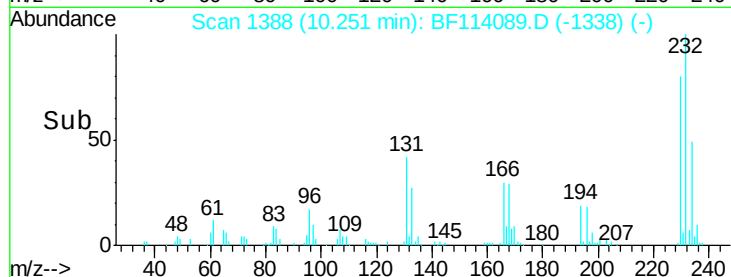
#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 45.480 ng  
 RT: 10.25 min Scan# 1388  
 Delta R.T. -0.01 min  
 Lab File: BF114089.D  
 Acq: 2 May 2019 17:24

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DRUM-1-4MS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 232   | Resp: | 120872 |
| Ion      | Ratio | Lower | Upper  |
| 232      | 100   |       |        |
| 131      | 38.9  | 30.2  | 45.2   |
| 130      | 1.8   | 1.5   | 2.3    |
| 166      | 27.6  | 22.2  | 33.4   |

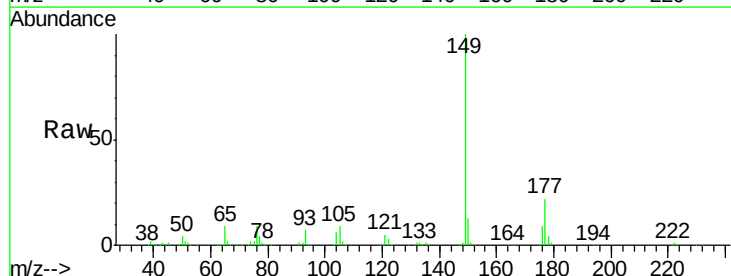


Abundance Ion 232.00 (231.70 to 232.70): E  
 Ion 131.00 (130.70 to 131.70): E  
 Ion 130.00 (129.70 to 130.70): E  
 Ion 166.00 (165.70 to 166.70): E

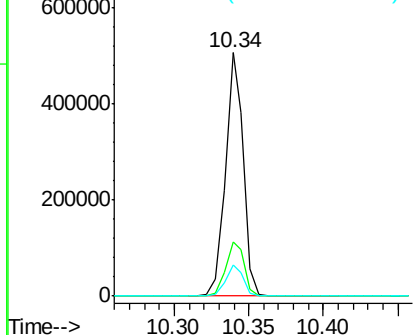
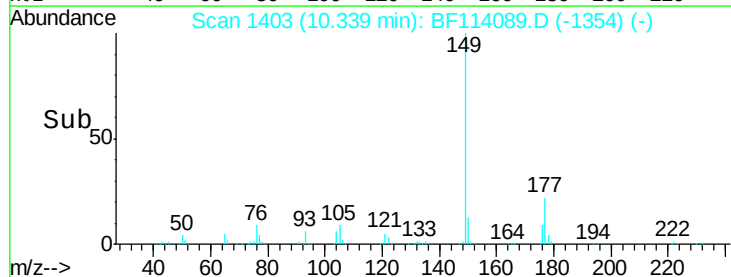


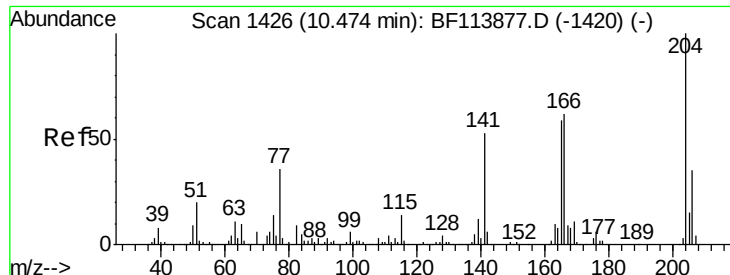
#60  
 Diethylphthalate  
 Concen: 47.666 ng  
 RT: 10.34 min Scan# 1403  
 Delta R.T. -0.01 min  
 Lab File: BF114089.D  
 Acq: 2 May 2019 17:24

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 149   | Resp: | 427924 |
| Ion      | Ratio | Lower | Upper  |
| 149      | 100   |       |        |
| 177      | 22.3  | 19.2  | 28.8   |
| 150      | 12.6  | 10.3  | 15.5   |



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

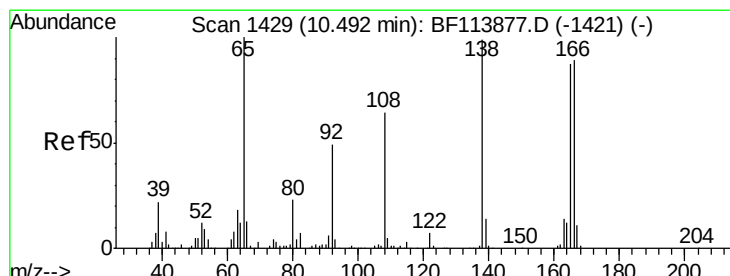
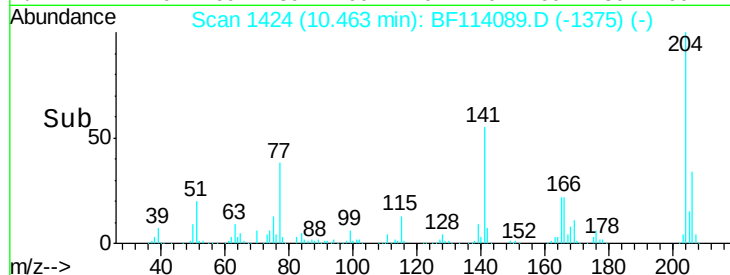
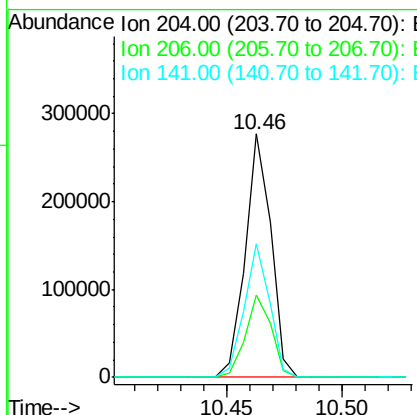
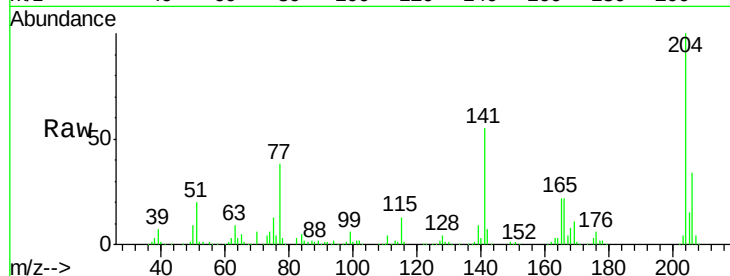




#61  
 4-Chlorophenyl-phenylether  
 Concen: 48.040 ng  
 RT: 10.46 min Scan# 1424  
 Delta R.T. -0.01 min  
 Lab File: BF114089.D  
 Acq: 2 May 2019 17:24

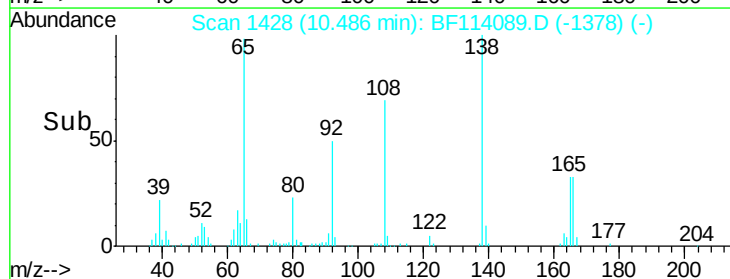
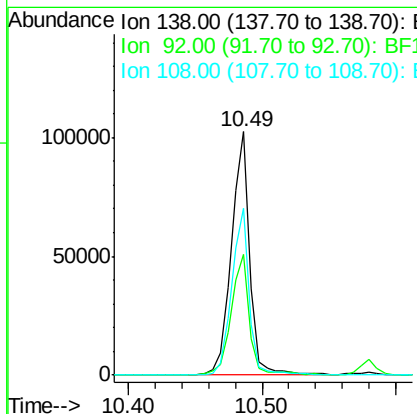
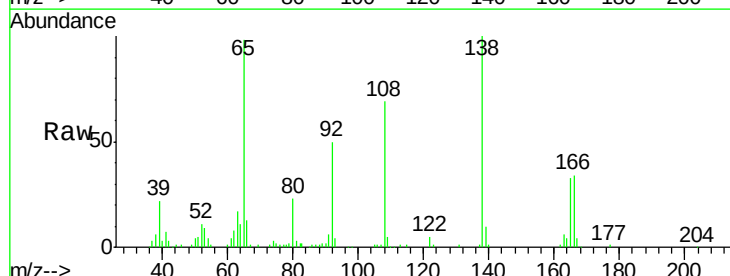
Instrument :  
 BNA\_F  
 ClientSampleId :  
 DRUM-1-4MS

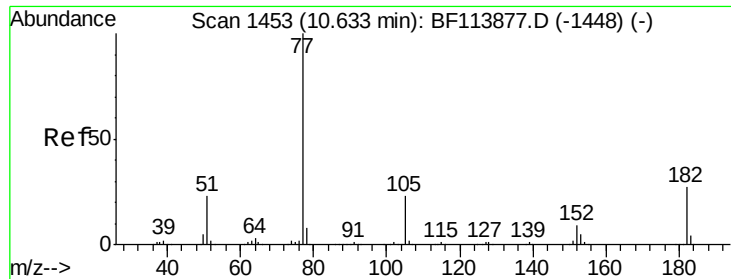
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 204   | Resp: | 215569 |
| Ion      | Ratio | Lower | Upper  |
| 204      | 100   |       |        |
| 206      | 33.8  | 27.4  | 41.2   |
| 141      | 54.9  | 42.6  | 63.8   |



#62  
 4-Nitroaniline  
 Concen: 47.901 ng  
 RT: 10.49 min Scan# 1428  
 Delta R.T. -0.01 min  
 Lab File: BF114089.D  
 Acq: 2 May 2019 17:24

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 138   | Resp: | 99625 |
| Ion      | Ratio | Lower | Upper |
| 138      | 100   |       |       |
| 92       | 49.6  | 31.3  | 71.3  |
| 108      | 68.6  | 48.9  | 88.9  |

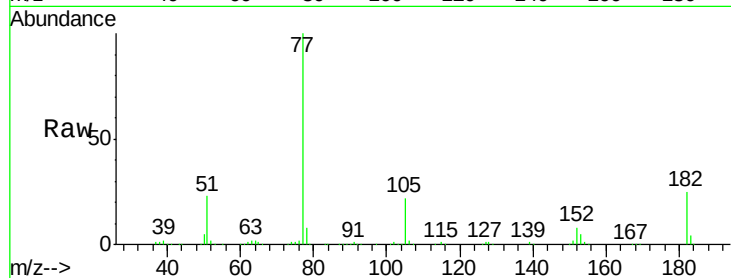




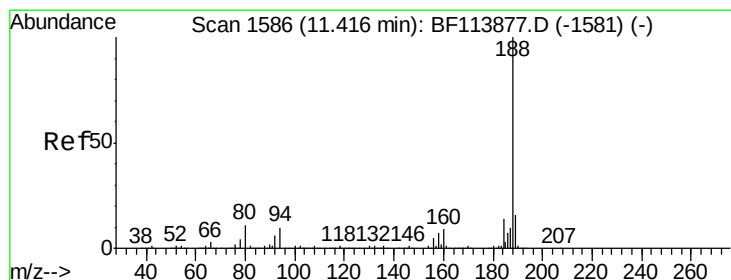
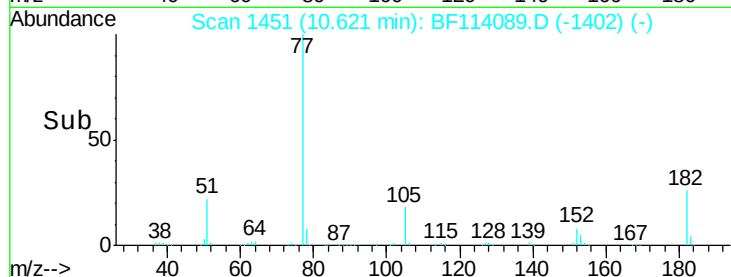
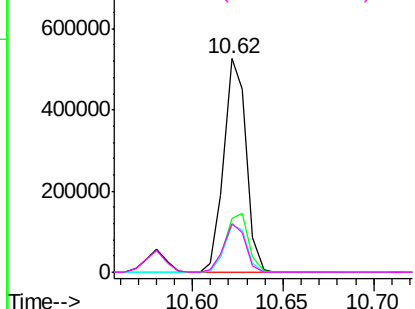
#63  
Azobenzene  
Concen: 52.006 ng  
RT: 10.62 min Scan# 1451  
Delta R.T. -0.01 min  
Lab File: BF114089.D  
Acq: 2 May 2019 17:24

Instrument :  
BNA\_F  
ClientSampleId :  
DRUM-1-4MS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 77    | Resp: | 452502 |
| Ion      | Ratio | Lower | Upper  |
| 77       | 100   |       |        |
| 182      | 25.1  | 4.4   | 44.4   |
| 105      | 22.0  | 2.2   | 42.2   |
| 51       | 22.5  | 3.9   | 43.9   |

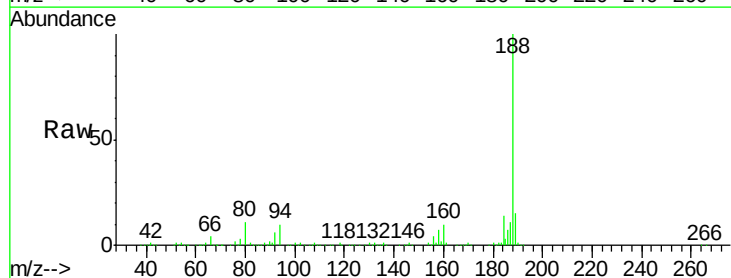


Abundance Ion 77.00 (76.70 to 77.70): BF1  
Ion 182.00 (181.70 to 182.70): E  
Ion 105.00 (104.70 to 105.70): E  
Ion 51.00 (50.70 to 51.70): BF1

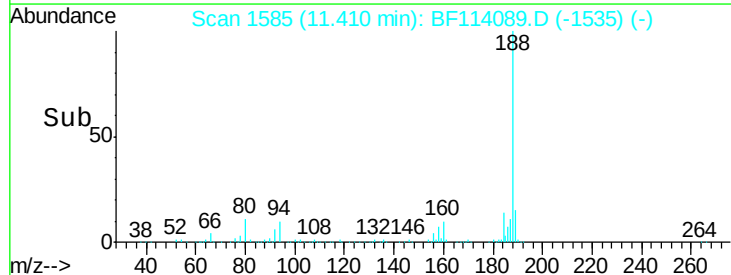
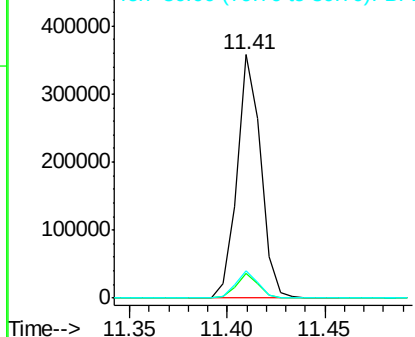


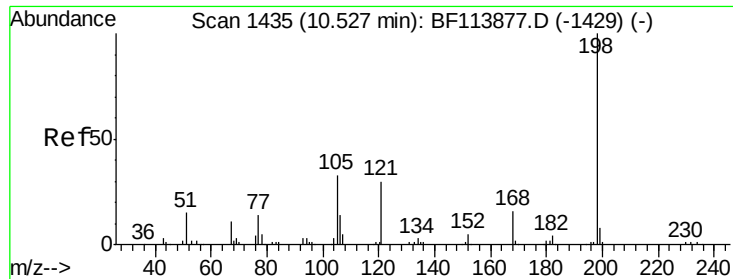
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.41 min Scan# 1585  
Delta R.T. -0.01 min  
Lab File: BF114089.D  
Acq: 2 May 2019 17:24

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 301669 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 10.2  | 8.2   | 12.4   |
| 80       | 11.2  | 9.0   | 13.6   |



Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF1  
Ion 80.00 (79.70 to 80.70): BF1

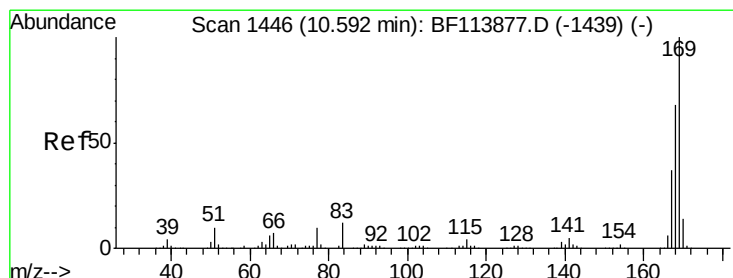
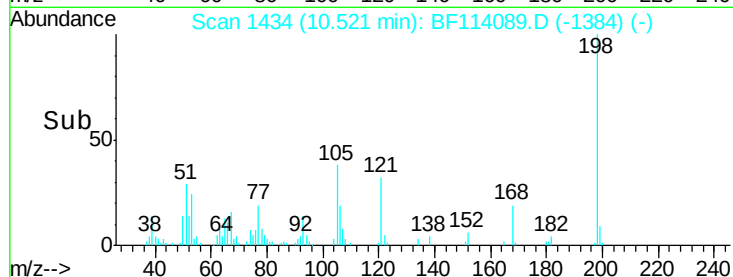
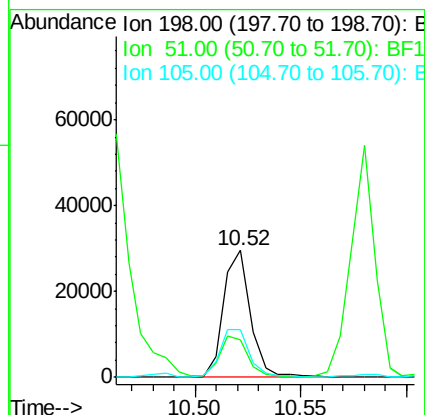
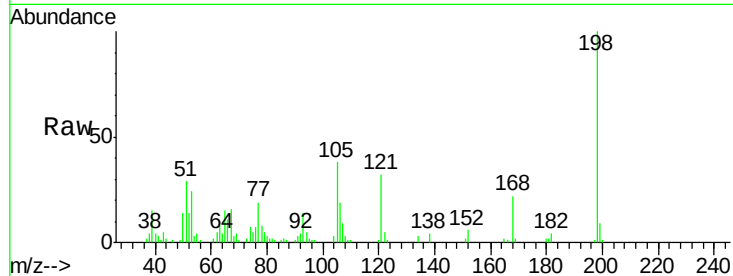




#65  
 4,6-Dinitro-2-methylphenol  
 Concen: 23.274 ng  
 RT: 10.52 min Scan# 1434  
 Delta R.T. -0.01 min  
 Lab File: BF114089.D  
 Acq: 2 May 2019 17:24

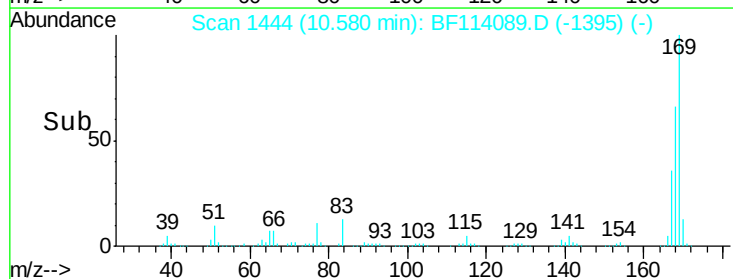
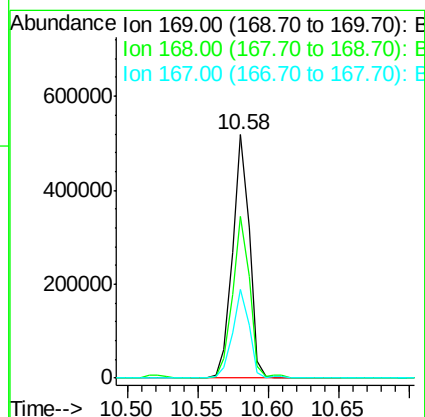
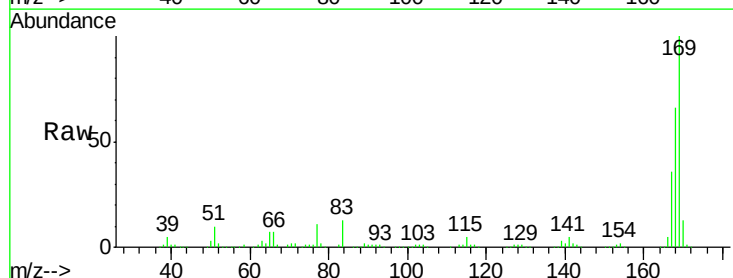
Instrument :  
 BNA\_F  
 ClientSampleId :  
 DRUM-1-4MS

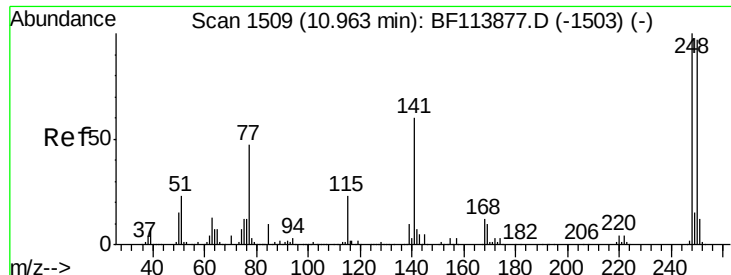
Tot Ion:198 Resp: 26040  
 Ion Ratio Lower Upper  
 198 100  
 51 29.4 11.1 51.1  
 105 38.1 20.7 60.7



#66  
 n-Nitrosodiphenylamine  
 Concen: 47.461 ng  
 RT: 10.58 min Scan# 1444  
 Delta R.T. -0.01 min  
 Lab File: BF114089.D  
 Acq: 2 May 2019 17:24

Tgt Ion:169 Resp: 429599  
 Ion Ratio Lower Upper  
 169 100  
 168 66.3 54.3 81.5  
 167 36.3 29.4 44.0

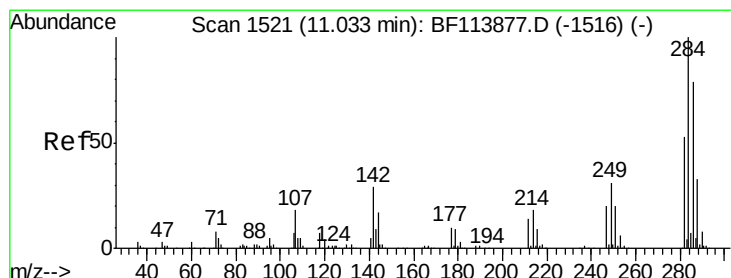
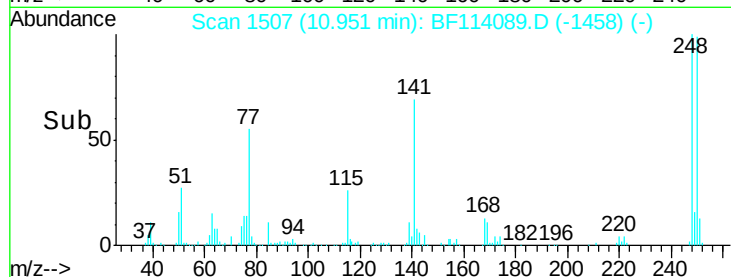
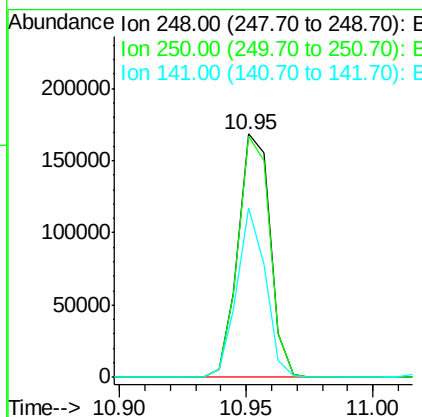
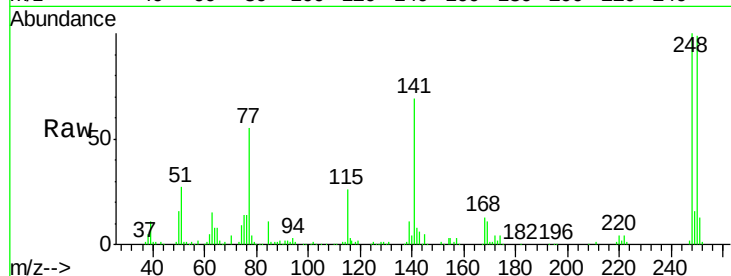




#67  
4-Bromophenyl-phenylether  
Concen: 40.770 ng  
RT: 10.95 min Scan# 1507  
Delta R.T. -0.01 min  
Lab File: BF114089.D  
Acq: 2 May 2019 17:24

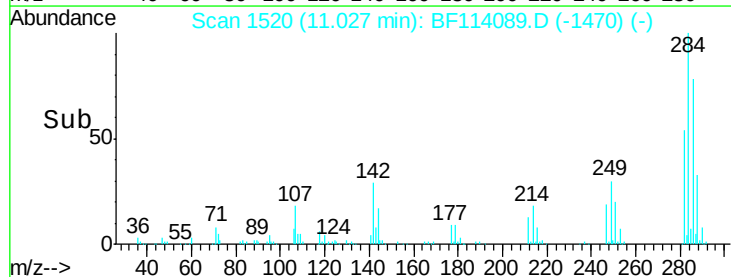
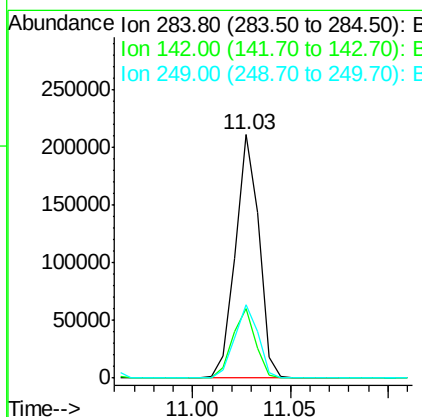
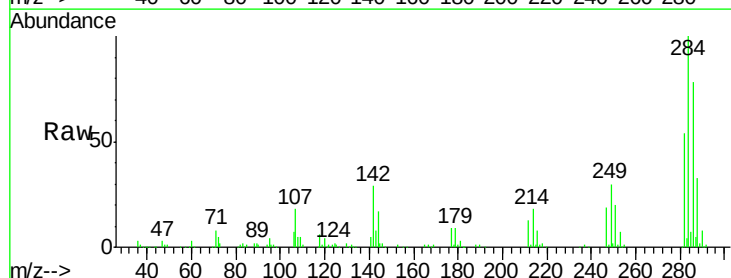
Instrument :  
BNA\_F  
ClientSampleId :  
DRUM-1-4MS

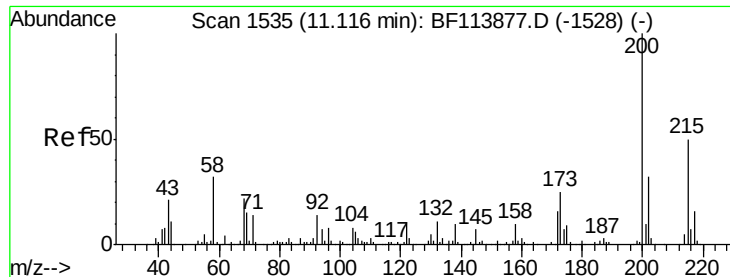
Tot Ion:248 Resp: 148577  
Ion Ratio Lower Upper  
248 100  
250 99.2 75.8 113.6  
141 69.4 50.2 75.4



#68  
Hexachlorobenzene  
Concen: 43.966 ng  
RT: 11.03 min Scan# 1520  
Delta R.T. -0.01 min  
Lab File: BF114089.D  
Acq: 2 May 2019 17:24

Tgt Ion:284 Resp: 176072  
Ion Ratio Lower Upper  
284 100  
142 28.6 23.0 34.4  
249 30.4 24.4 36.6

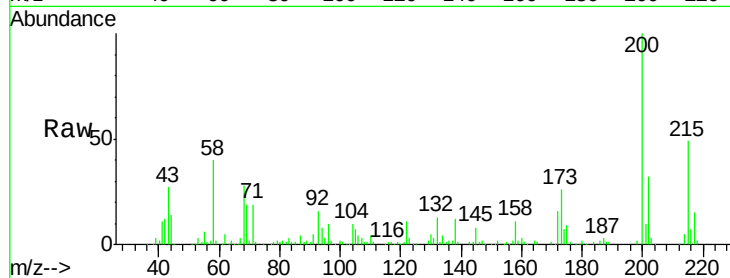




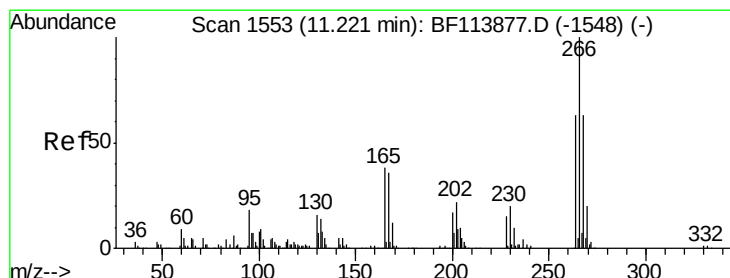
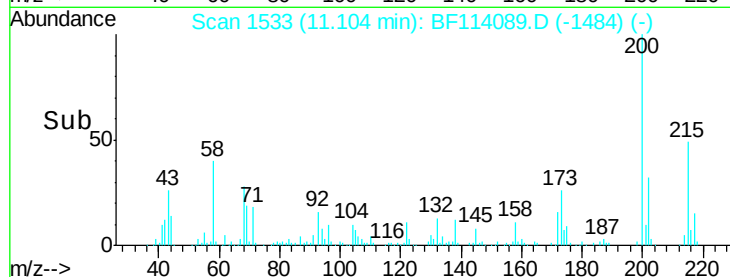
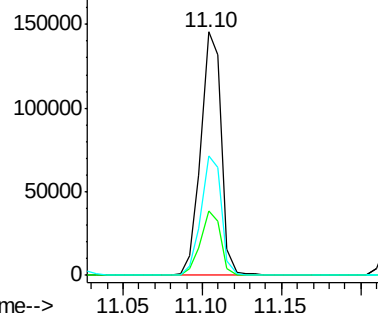
#69  
Atrazine  
Concen: 44.490 ng  
RT: 11.10 min Scan# 1533  
Delta R.T. -0.01 min  
Lab File: BF114089.D  
Acq: 2 May 2019 17:24

Instrument :  
BNA\_F  
ClientSampleId :  
DRUM-1-4MS

Tot Ion:200 Resp: 131002  
Ion Ratio Lower Upper  
200 100  
173 26.4 5.9 45.9  
215 48.9 29.3 69.3

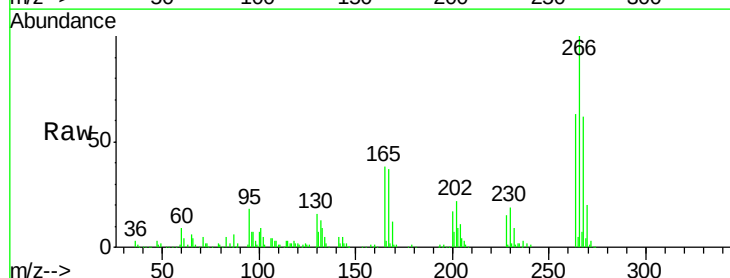


Abundance Ion 200.00 (199.70 to 200.70): E  
Ion 173.00 (172.70 to 173.70): E  
Ion 215.00 (214.70 to 215.70): E

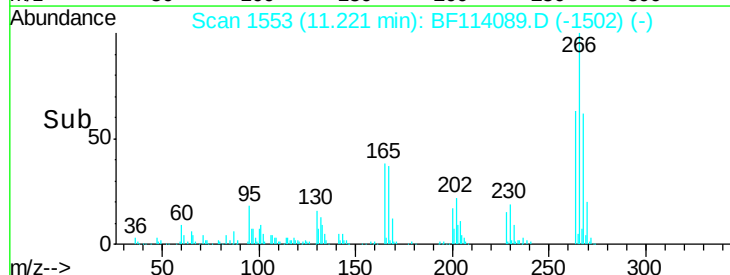
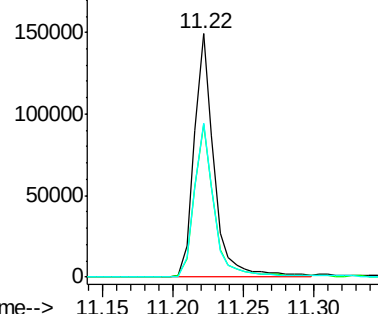


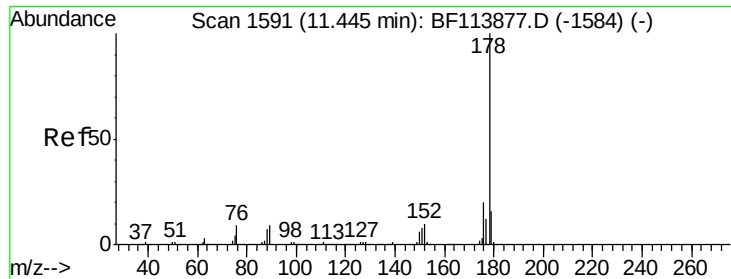
#70  
Pentachlorophenol  
Concen: 64.467 ng  
RT: 11.22 min Scan# 1553  
Delta R.T. -0.00 min  
Lab File: BF114089.D  
Acq: 2 May 2019 17:24

Tgt Ion:266 Resp: 146172  
Ion Ratio Lower Upper  
266 100  
268 62.5 53.5 80.3  
264 63.1 51.0 76.6



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





#71

Phenanthrene

Concen: 46.088 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.01 min

Lab File: BF114089.D

Acq: 2 May 2019 17:24

Instrument :

BNA\_F

ClientSampleId :

DRUM-1-4MS

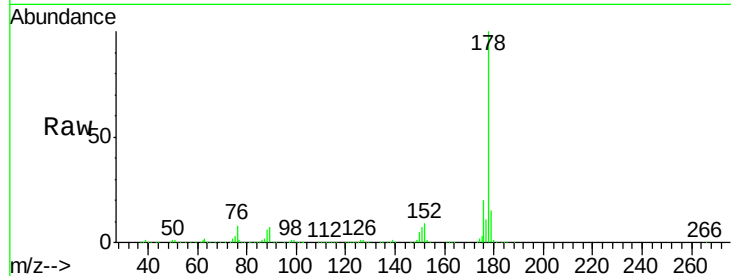
Tot Ion:178 Resp: 698718

Ion Ratio Lower Upper

178 100

176 19.9 16.1 24.1

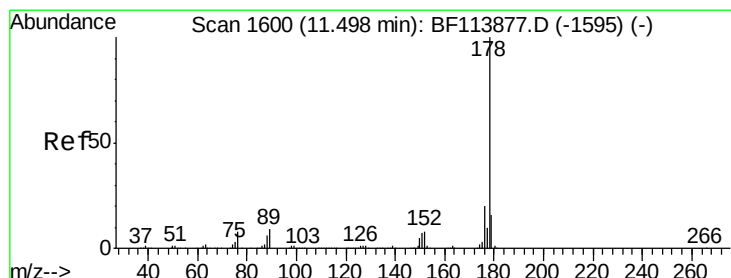
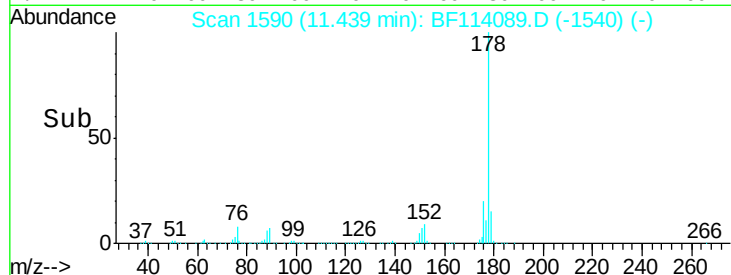
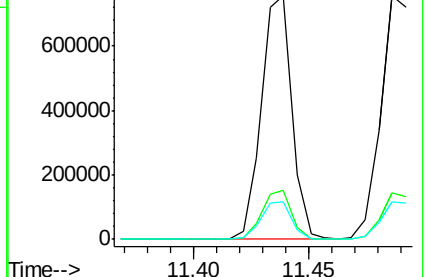
179 15.3 12.8 19.2



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



#72

Anthracene

Concen: 47.570 ng

RT: 11.49 min Scan# 1598

Delta R.T. -0.01 min

Lab File: BF114089.D

Acq: 2 May 2019 17:24

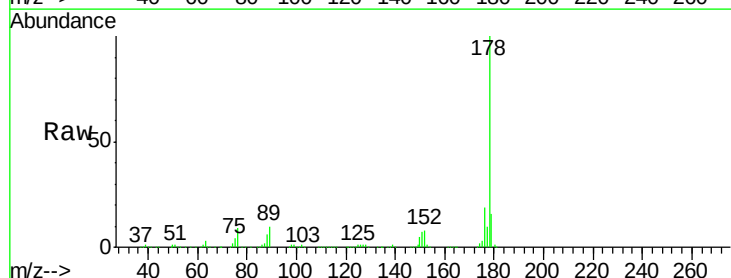
Tgt Ion:178 Resp: 728287

Ion Ratio Lower Upper

178 100

176 19.0 15.7 23.5

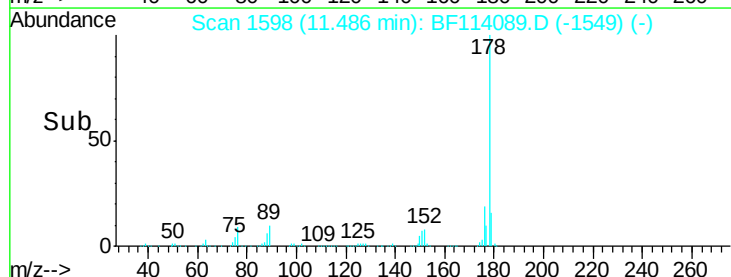
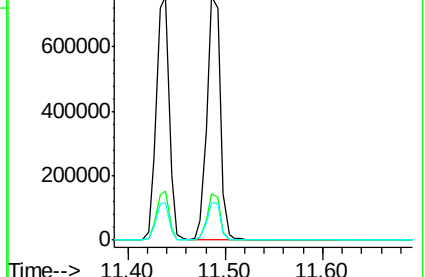
179 15.6 13.0 19.4



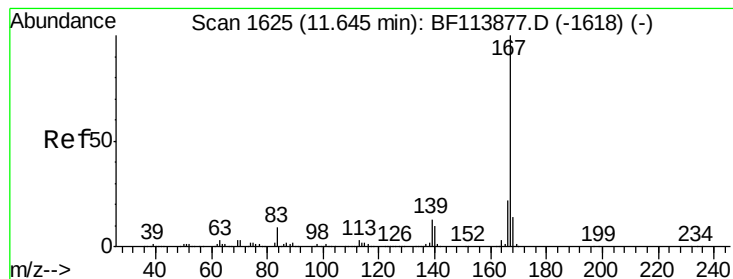
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E







#73

Carbazole

Concen: 47.904 ng

RT: 11.64 min Scan# 1624

Delta R.T. -0.01 min

Lab File: BF114089.D

Acq: 2 May 2019 17:24

Instrument :

BNA\_F

ClientSampleId :

DRUM-1-4MS

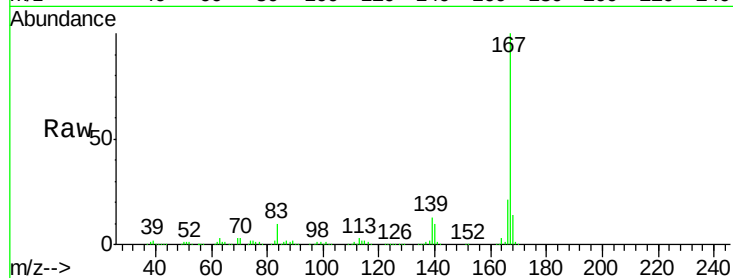
Tot Ion:167 Resp: 654295

Ion Ratio Lower Upper

167 100

166 21.4 17.7 26.5

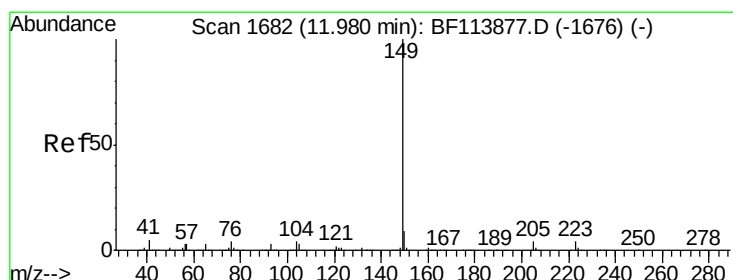
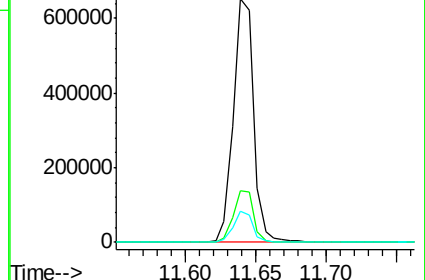
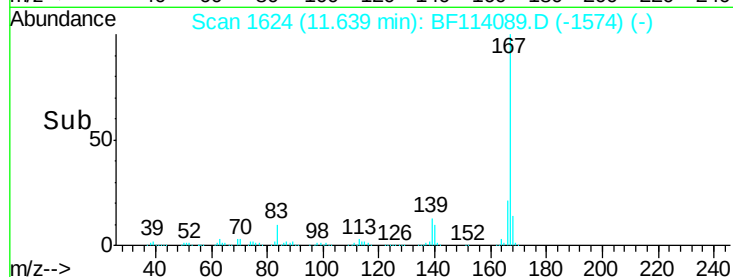
139 12.6 10.0 15.0



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 44.230 ng

RT: 11.97 min Scan# 1680

Delta R.T. -0.01 min

Lab File: BF114089.D

Acq: 2 May 2019 17:24

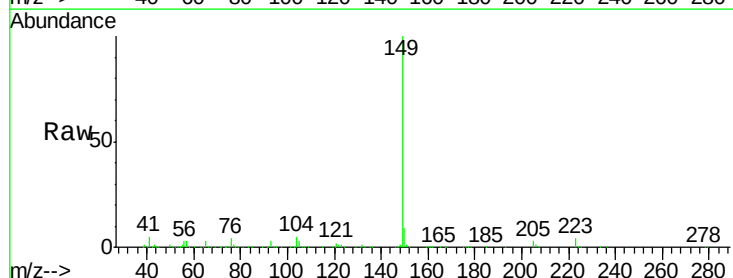
Tgt Ion:149 Resp: 710644

Ion Ratio Lower Upper

149 100

150 9.2 7.8 11.8

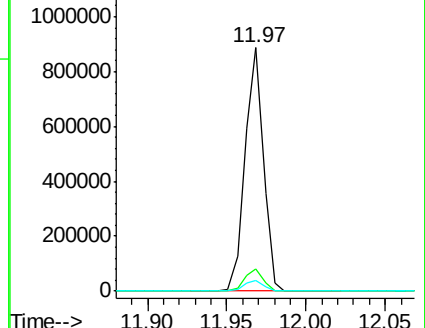
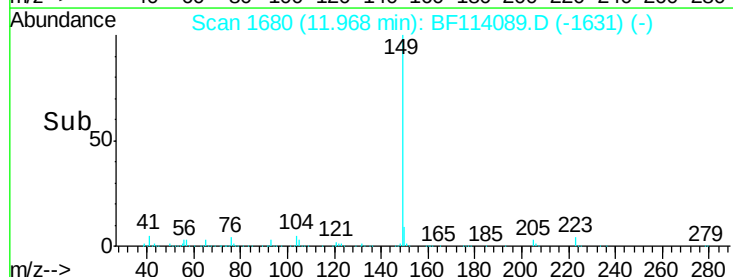
104 4.5 3.8 5.8

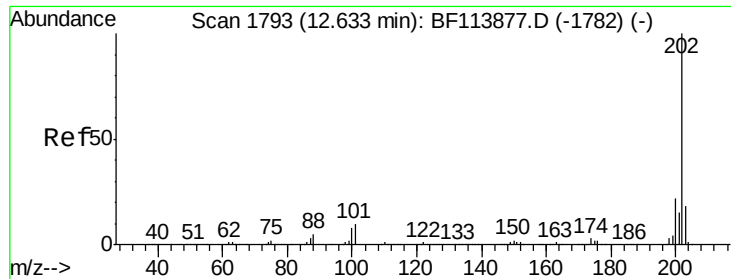


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

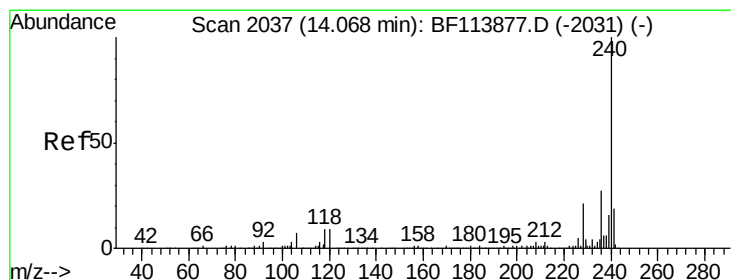
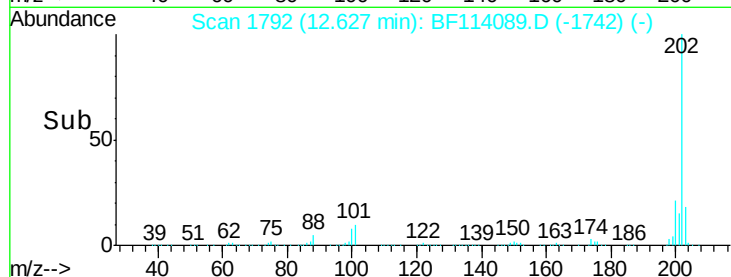
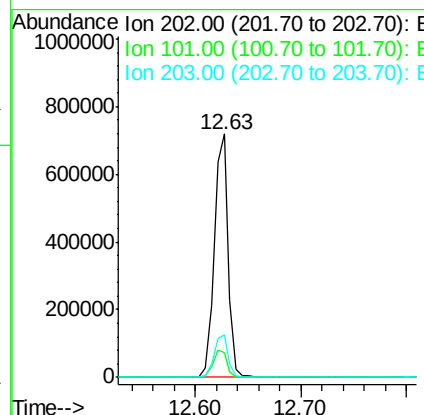
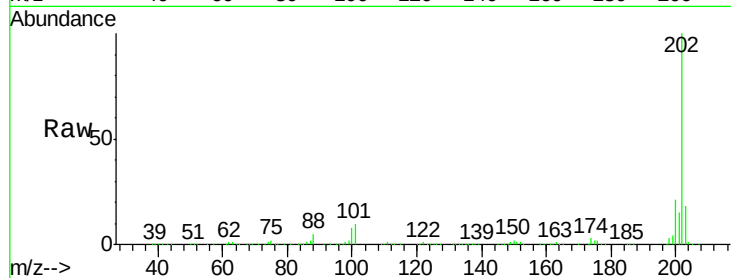




#75  
Fluoranthene  
Concen: 39.989 ng  
RT: 12.63 min Scan# 1792  
Delta R.T. -0.01 min  
Lab File: BF114089.D  
Acq: 2 May 2019 17:24

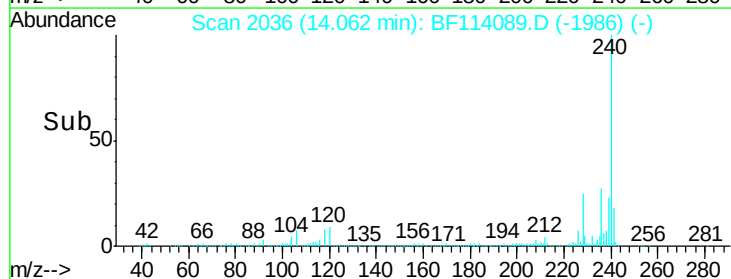
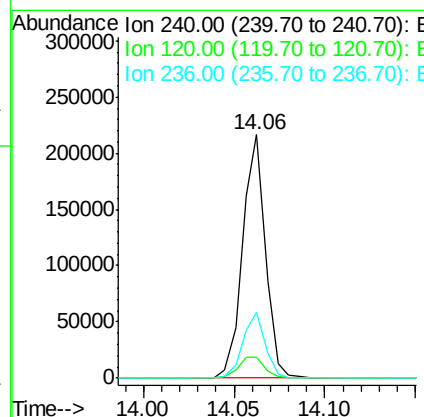
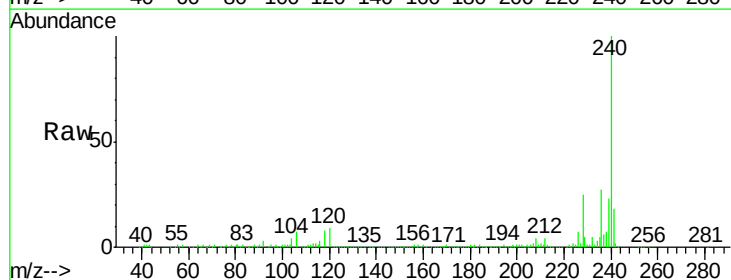
Instrument :  
BNA\_F  
ClientSampleId :  
DRUM-1-4MS

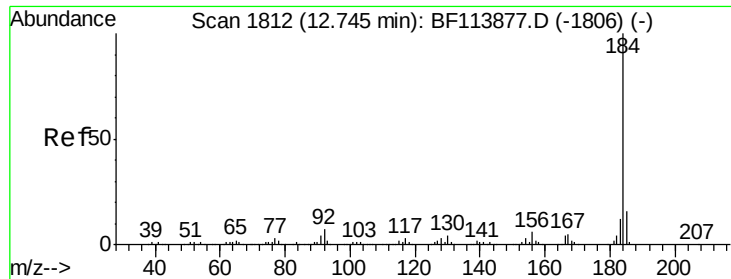
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 10.2  | 0.0   | 32.9  |
| 203     | 17.7  | 0.0   | 38.2  |



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.06 min Scan# 2036  
Delta R.T. -0.01 min  
Lab File: BF114089.D  
Acq: 2 May 2019 17:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 8.7   | 9.3   | 13.9# |
| 236     | 26.8  | 21.2  | 31.8  |





#77

Benzidine

Concen: 34.402 ng

RT: 12.74 min Scan# 1811

Delta R.T. -0.00 min

Lab File: BF114089.D

Acq: 2 May 2019 17:24

Instrument :

BNA\_F

ClientSampleId :

DRUM-1-4MS

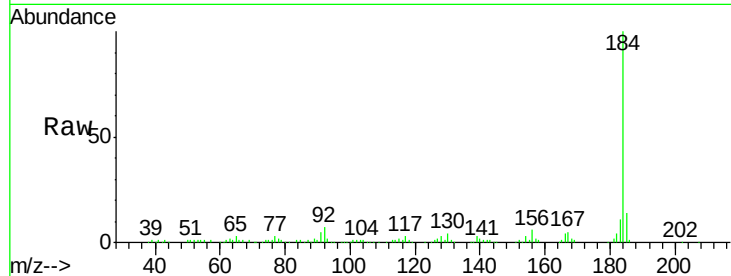
Tot Ion:184 Resp: 193126

Ion Ratio Lower Upper

184 100

185 14.1 13.0 19.6

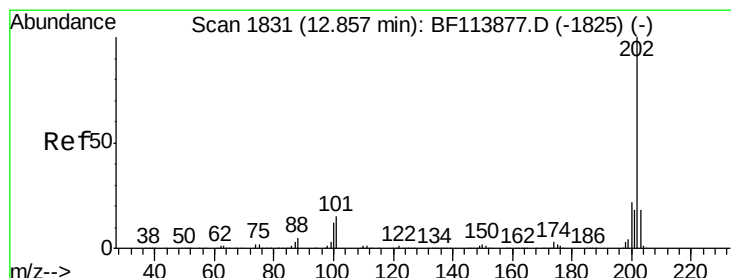
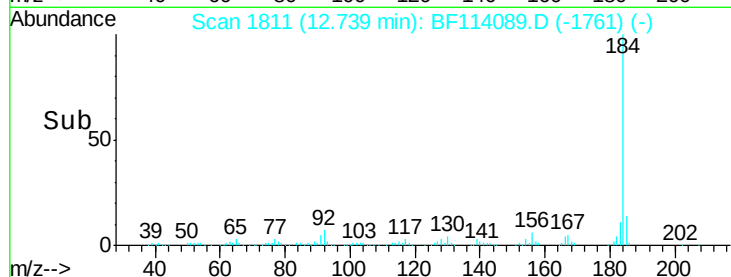
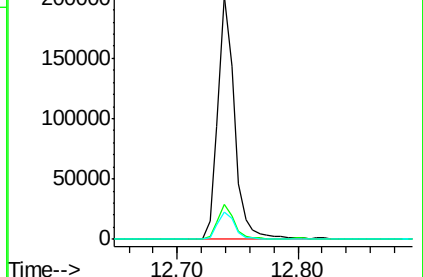
183 11.4 9.4 14.0



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: 49.541 ng

RT: 12.86 min Scan# 1831

Delta R.T. -0.00 min

Lab File: BF114089.D

Acq: 2 May 2019 17:24

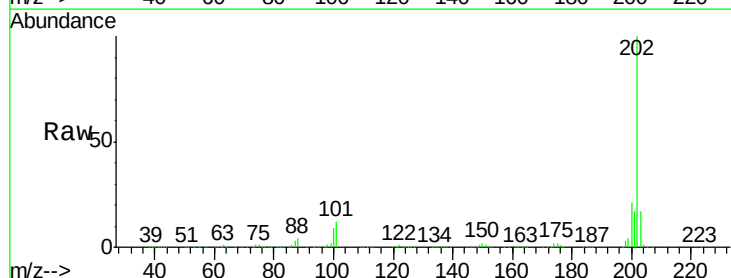
Tgt Ion:202 Resp: 652742

Ion Ratio Lower Upper

202 100

200 20.9 17.7 26.5

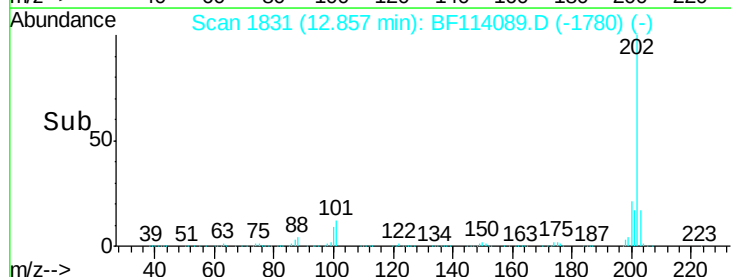
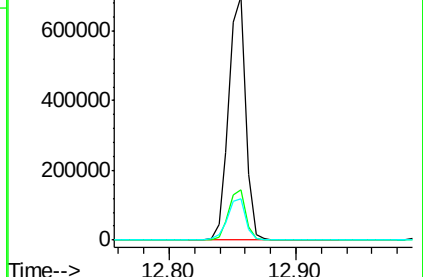
203 17.1 15.0 22.6

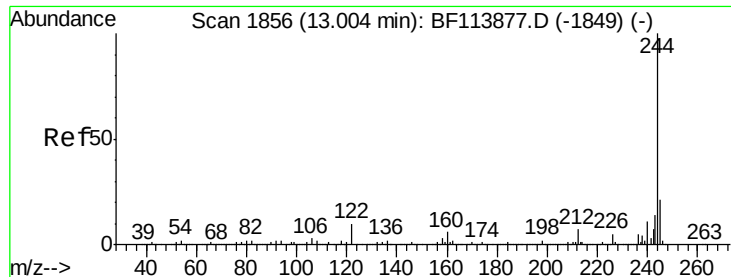


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 104.922 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF114089.D

Acq: 2 May 2019 17:24

Instrument :

BNA\_F

ClientSampleId :

DRUM-1-4MS

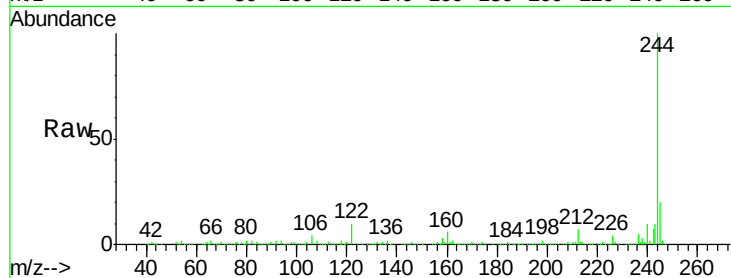
Tot Ion:244 Resp: 964250

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.2

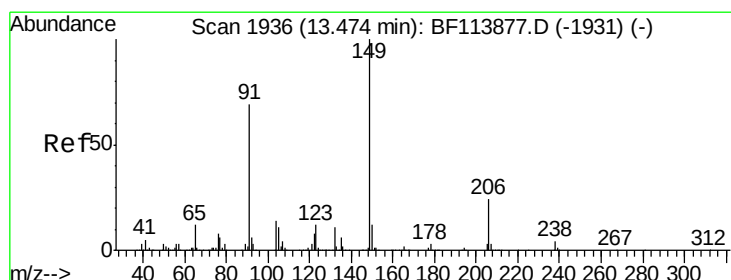
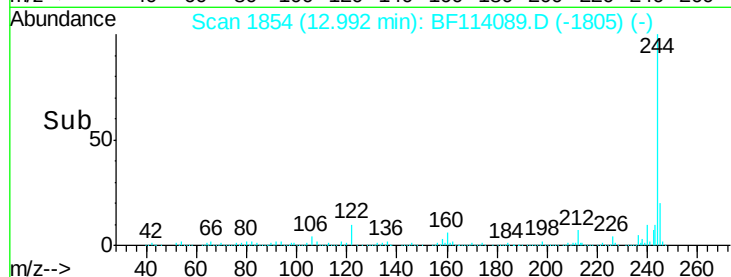
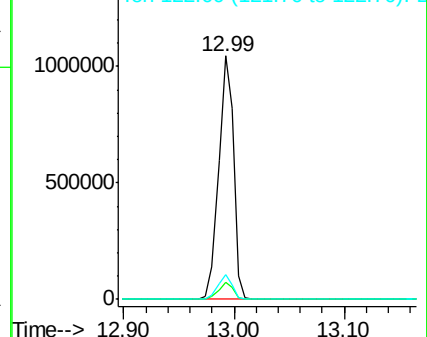
122 10.2 7.6 11.4



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: 53.459 ng

RT: 13.46 min Scan# 1934

Delta R.T. -0.01 min

Lab File: BF114089.D

Acq: 2 May 2019 17:24

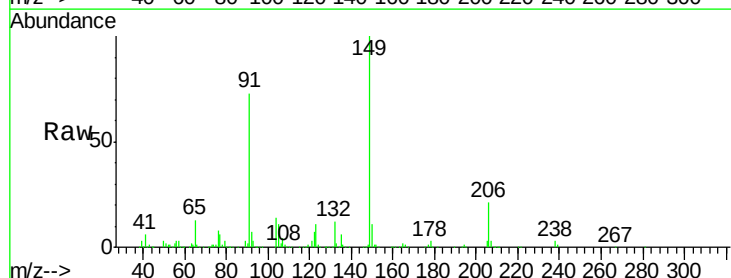
Tgt Ion:149 Resp: 277129

Ion Ratio Lower Upper

149 100

91 73.4 56.3 84.5

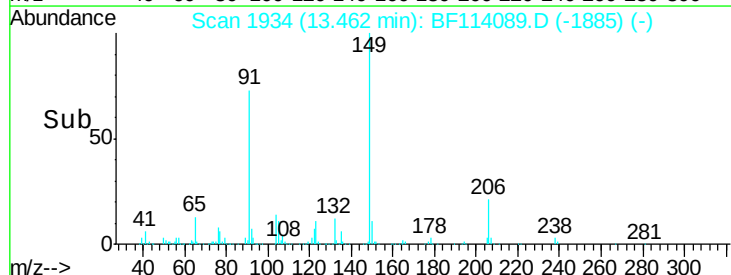
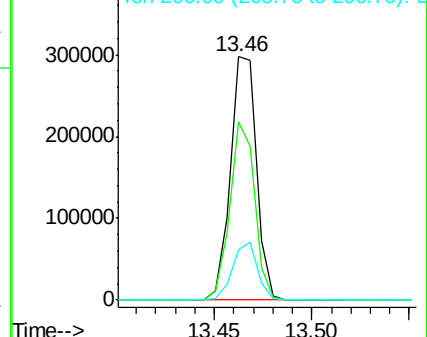
206 20.7 19.0 28.6

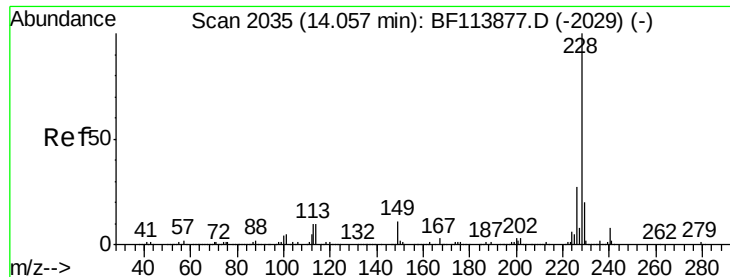


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 48.377 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF114089.D

Acq: 2 May 2019 17:24

Instrument :

BNA\_F

ClientSampleId :

DRUM-1-4MS

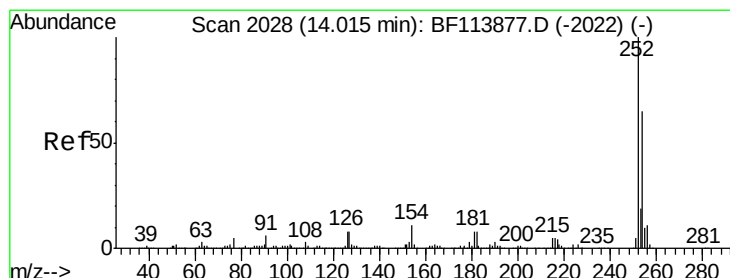
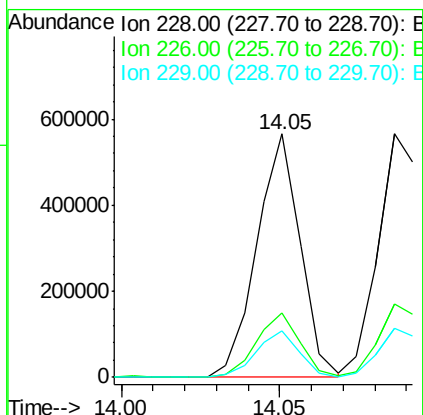
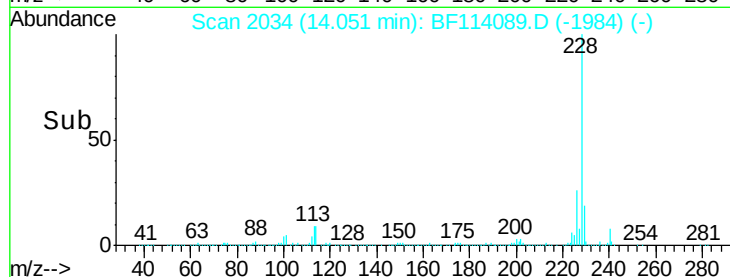
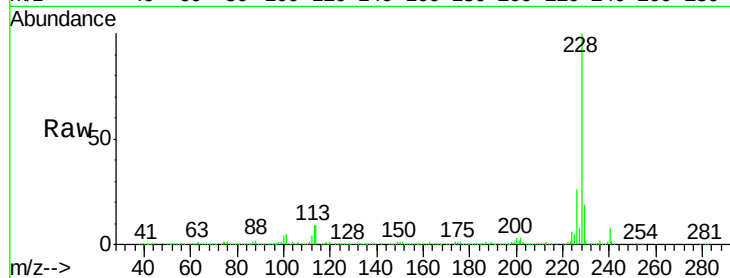
Tot Ion:228 Resp: 537019

Ion Ratio Lower Upper

228 100

226 26.3 22.2 33.2

229 19.3 16.0 24.0



#82

3,3'-Dichlorobenzidine

Concen: 36.949 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF114089.D

Acq: 2 May 2019 17:24

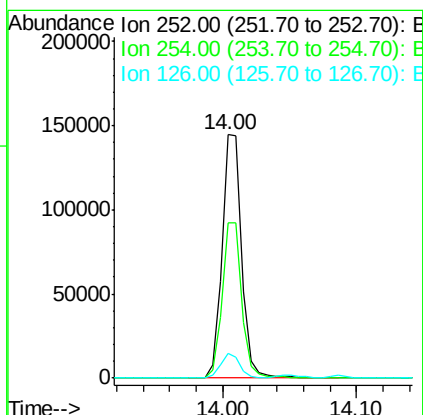
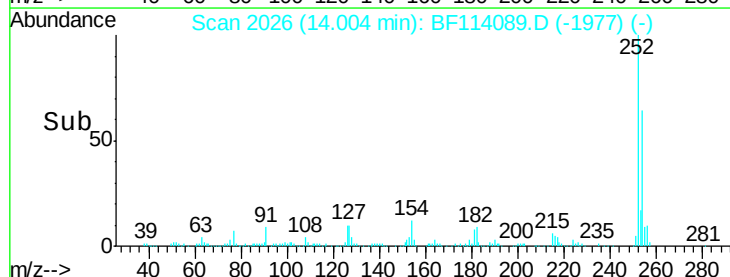
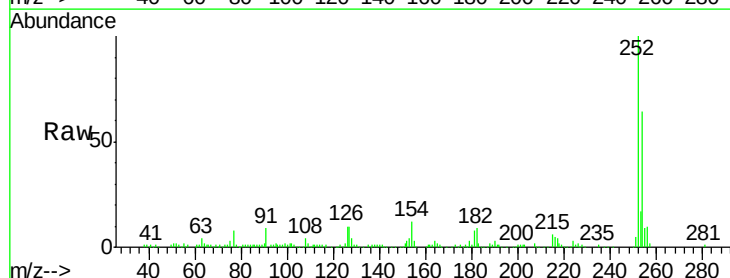
Tgt Ion:252 Resp: 150335

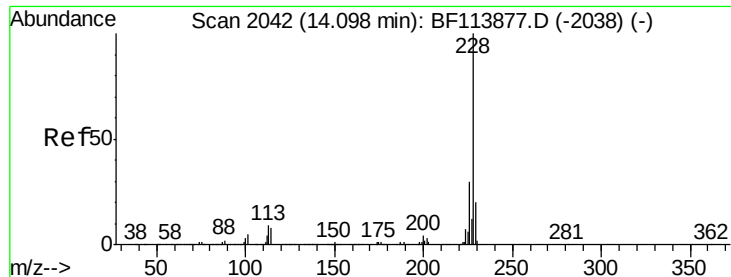
Ion Ratio Lower Upper

252 100

254 63.6 52.1 78.1

126 10.4 9.3 13.9

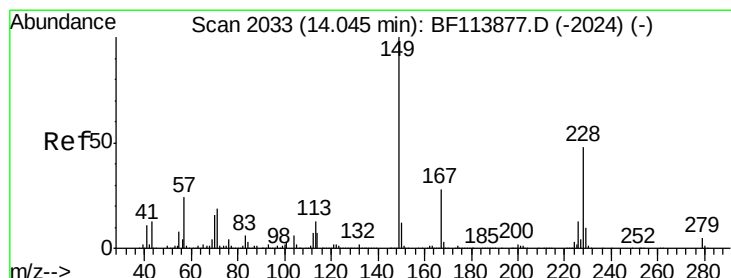
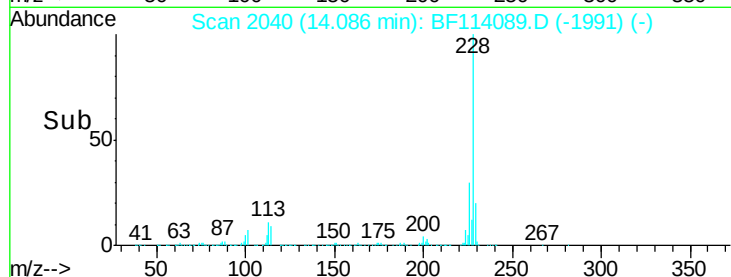
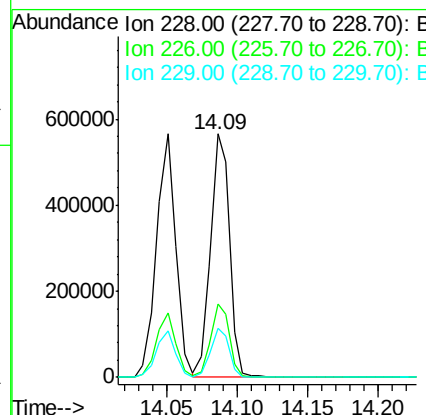
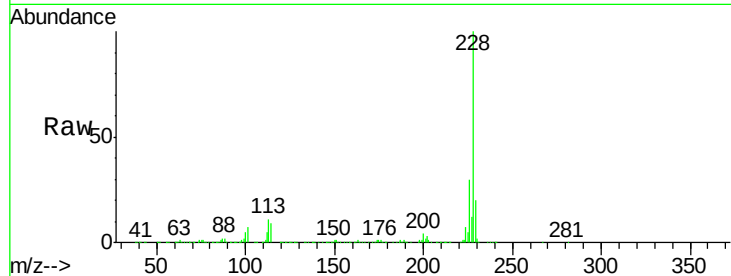




#83  
 Chrysene  
 Concen: 48.806 ng  
 RT: 14.09 min Scan# 2040  
 Delta R.T. -0.01 min  
 Lab File: BF114089.D  
 Acq: 2 May 2019 17:24

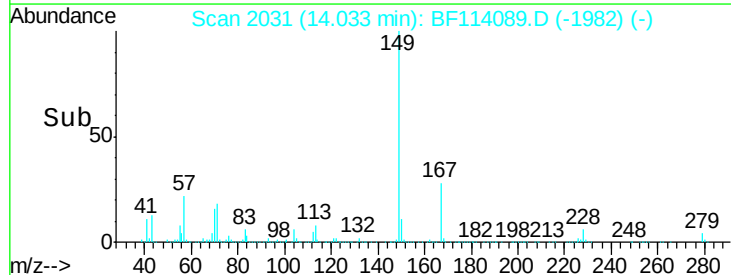
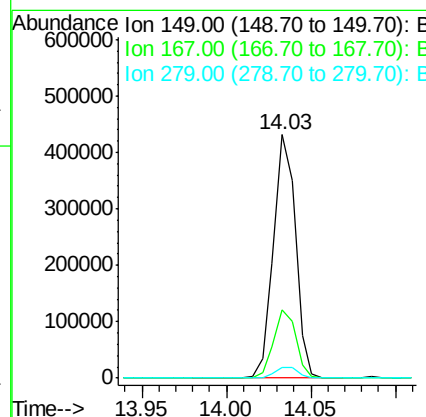
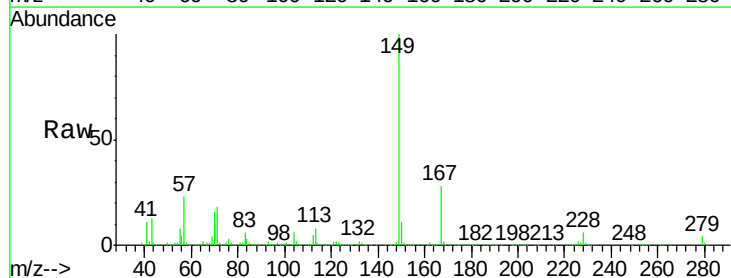
Instrument :  
 BNA\_F  
 ClientSampleId :  
 DRUM-1-4MS

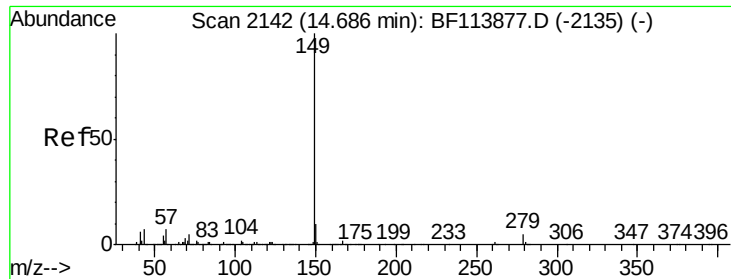
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.1  | 25.2  | 37.8  |
| 229     | 20.1  | 16.7  | 25.1  |



#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 59.530 ng  
 RT: 14.03 min Scan# 2031  
 Delta R.T. -0.01 min  
 Lab File: BF114089.D  
 Acq: 2 May 2019 17:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 27.9  | 22.9  | 34.3  |
| 279     | 4.2   | 4.2   | 6.2   |





#85

Di-n-octyl phthalate

Concen: 59.020 ng

RT: 14.67 min Scan# 2139

Delta R.T. -0.02 min

Lab File: BF114089.D

Acq: 2 May 2019 17:24

Instrument :

BNA\_F

ClientSampleId :

DRUM-1-4MS

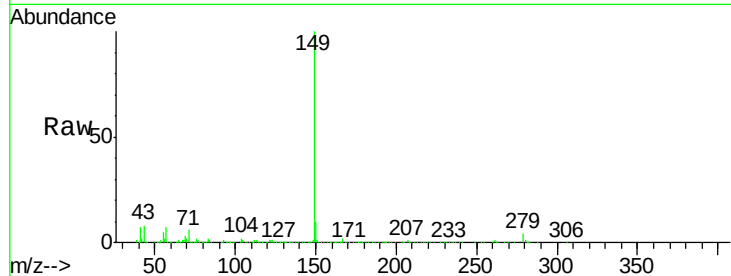
Tot Ion:149 Resp: 609309

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

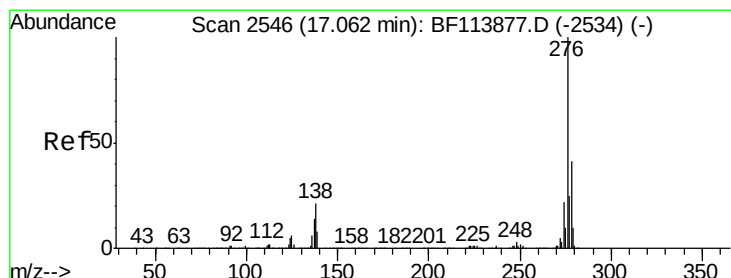
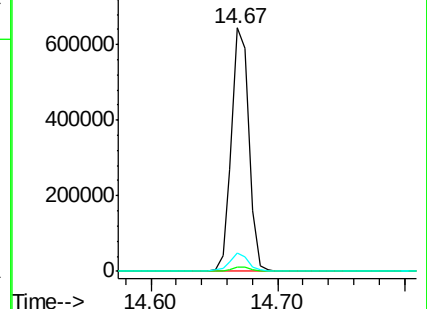
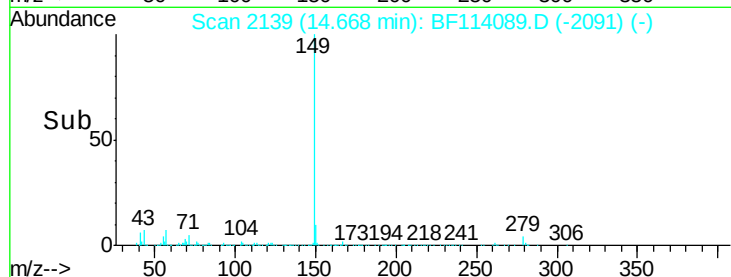
43 7.1 6.6 10.0



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: 72.463 ng

RT: 17.07 min Scan# 2547

Delta R.T. 0.01 min

Lab File: BF114089.D

Acq: 2 May 2019 17:24

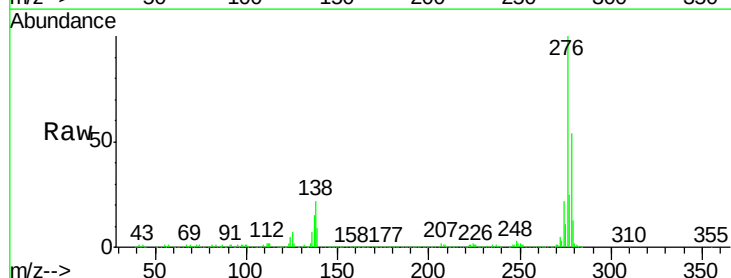
Tgt Ion:276 Resp: 742062

Ion Ratio Lower Upper

276 100

138 22.7 19.6 29.4

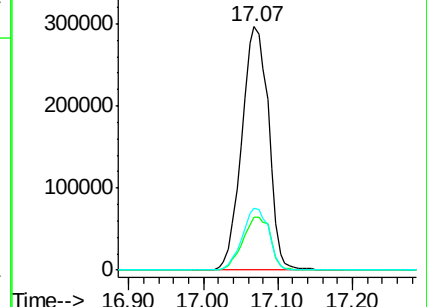
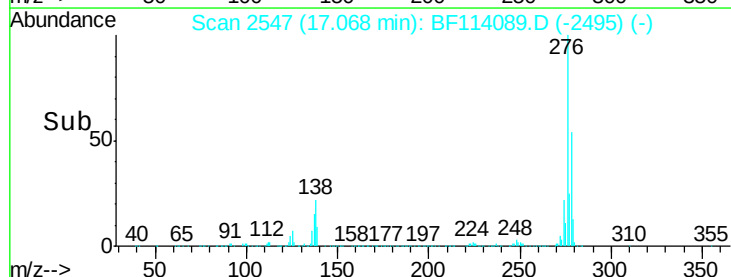
277 25.4 20.2 30.4

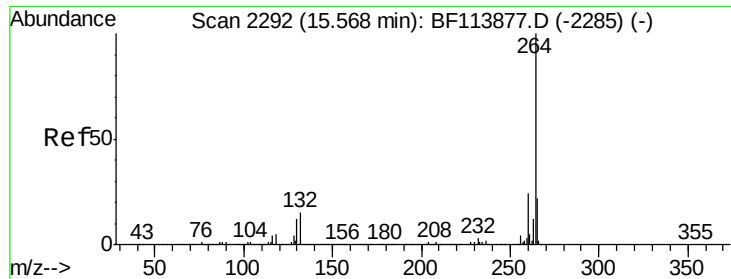


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

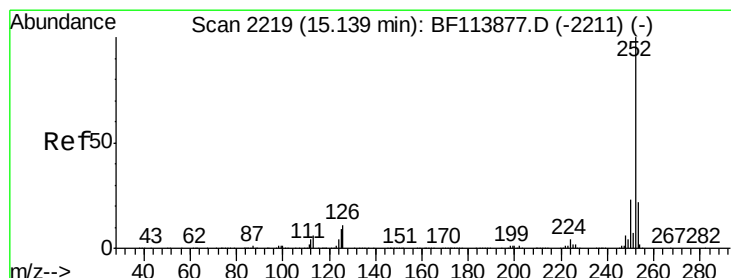
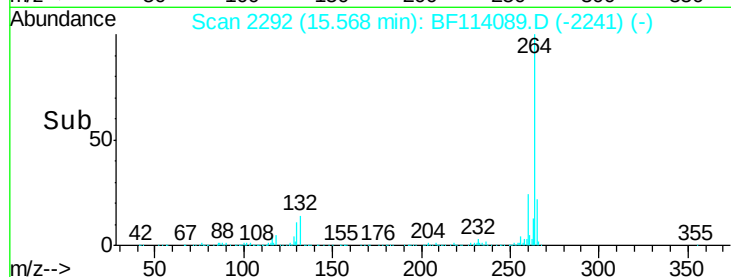
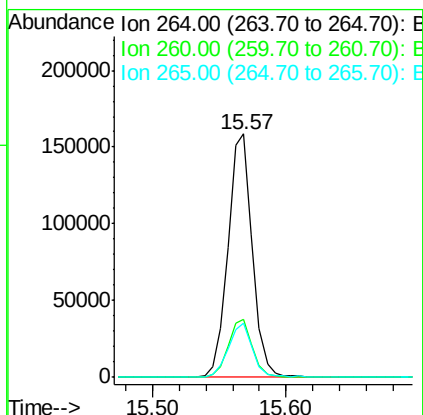
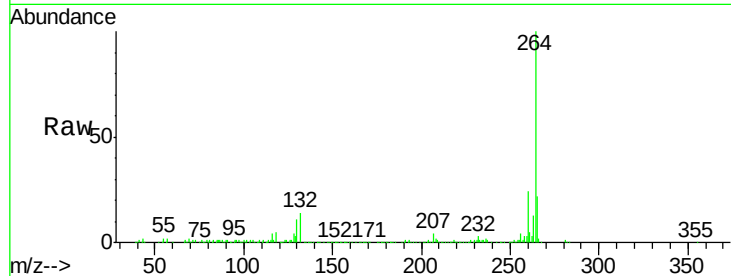




#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.57 min Scan# 2292  
Delta R.T. -0.00 min  
Lab File: BF114089.D  
Acq: 2 May 2019 17:24

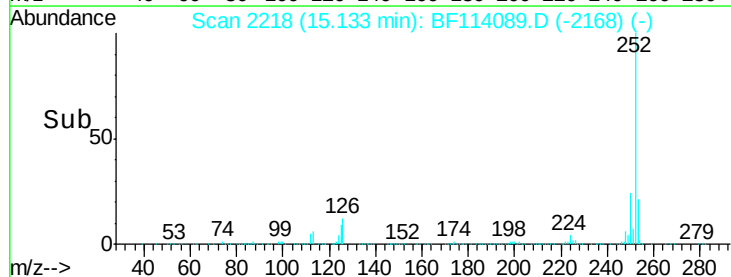
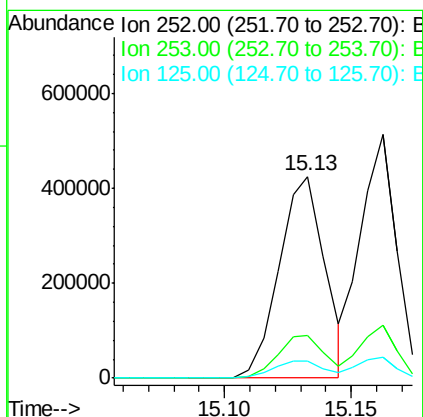
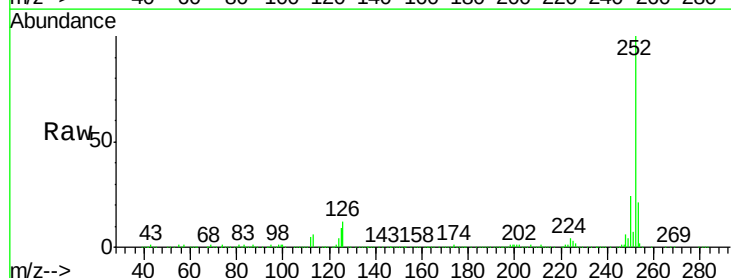
Instrument :  
BNA\_F  
ClientSampleId :  
DRUM-1-4MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.7  | 18.9  | 28.3  |
| 265     | 22.3  | 17.3  | 25.9  |

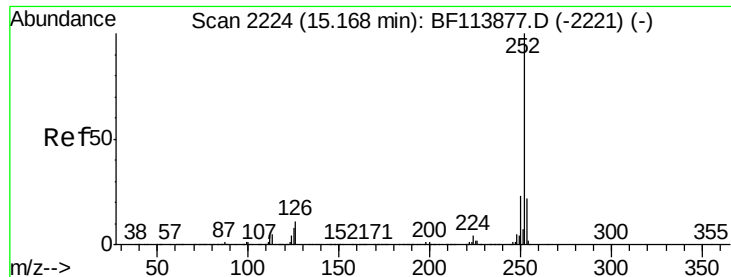


#88  
Benzo(b)fluoranthene  
Concen: 41.491 ng  
RT: 15.13 min Scan# 2218  
Delta R.T. -0.01 min  
Lab File: BF114089.D  
Acq: 2 May 2019 17:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.5  | 17.8  | 26.6  |
| 125     | 8.8   | 7.0   | 10.6  |



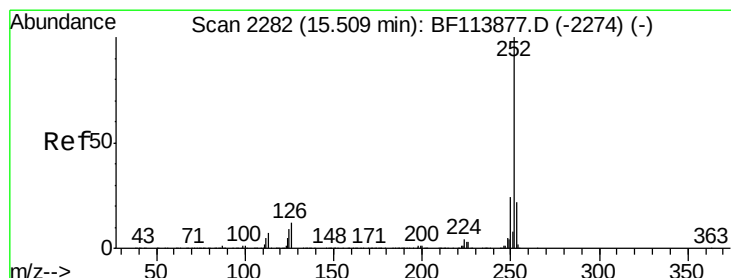
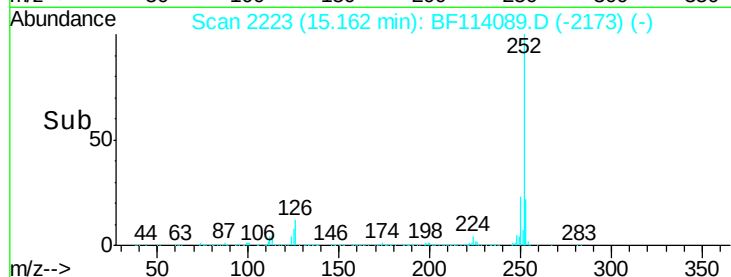
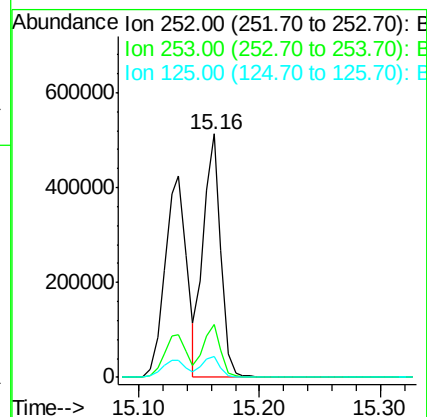
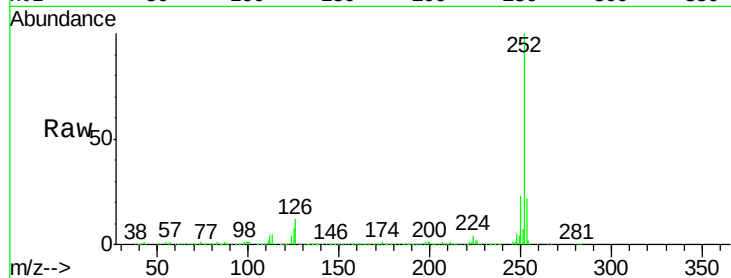




#89  
Benzo(k)fluoranthene  
Concen: 46.197 ng  
RT: 15.16 min Scan# 2223  
Delta R.T. -0.01 min  
Lab File: BF114089.D  
Acq: 2 May 2019 17:24

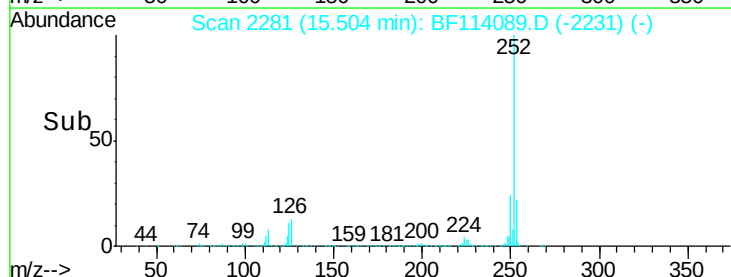
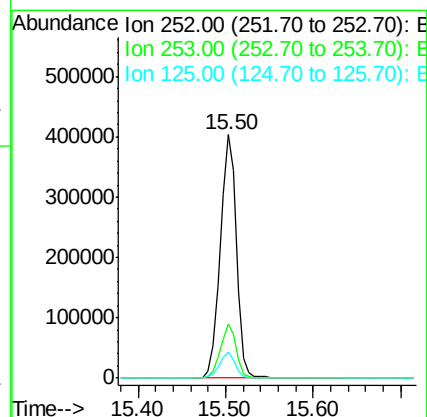
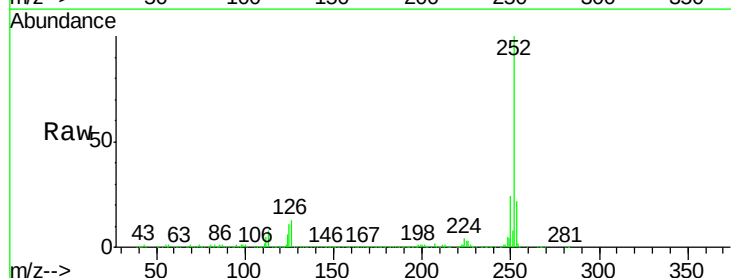
Instrument :  
BNA\_F  
ClientSampleId :  
DRUM-1-4MS

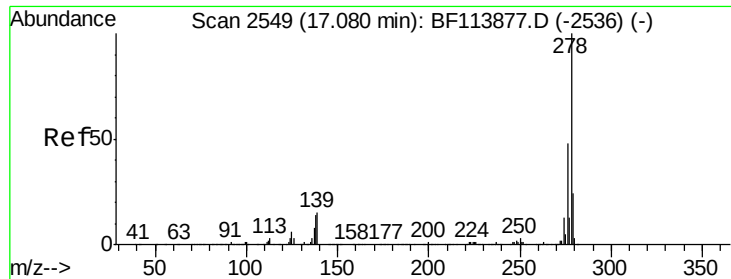
Tot Ion:252 Resp: 511361  
Ion Ratio Lower Upper  
252 100  
253 21.7 18.2 27.2  
125 8.5 7.4 11.2



#90  
Benzo(a)pyrene  
Concen: 46.900 ng  
RT: 15.50 min Scan# 2281  
Delta R.T. -0.01 min  
Lab File: BF114089.D  
Acq: 2 May 2019 17:24

Tgt Ion:252 Resp: 522026  
Ion Ratio Lower Upper  
252 100  
253 22.1 17.5 26.3  
125 10.8 8.5 12.7





#91

Dibenzo(a,h)anthracene

Concen: 60.596 ng

RT: 17.09 min Scan# 2550

Delta R.T. 0.01 min

Lab File: BF114089.D

Acq: 2 May 2019 17:24

Instrument :

BNA\_F

ClientSampleId :

DRUM-1-4MS

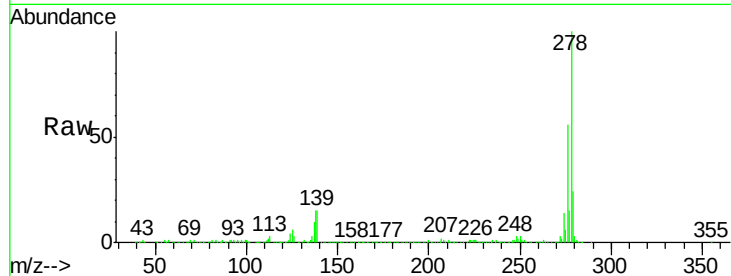
Tot Ion:278 Resp: 633135

Ion Ratio Lower Upper

278 100

139 14.9 11.6 17.4

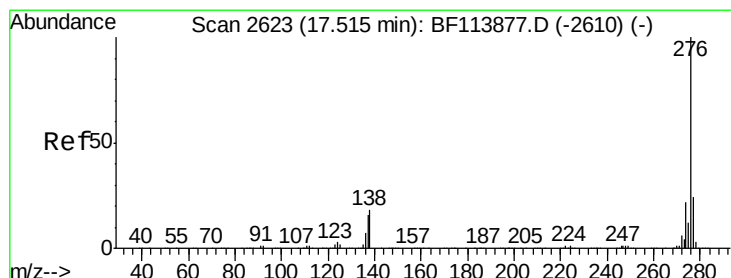
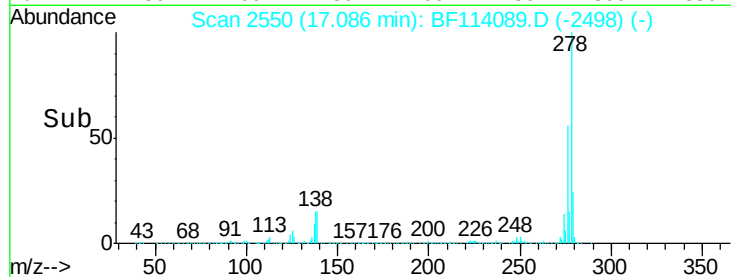
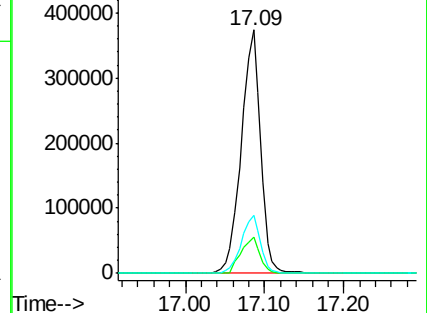
279 23.7 19.0 28.6



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 54.545 ng

RT: 17.52 min Scan# 2624

Delta R.T. 0.01 min

Lab File: BF114089.D

Acq: 2 May 2019 17:24

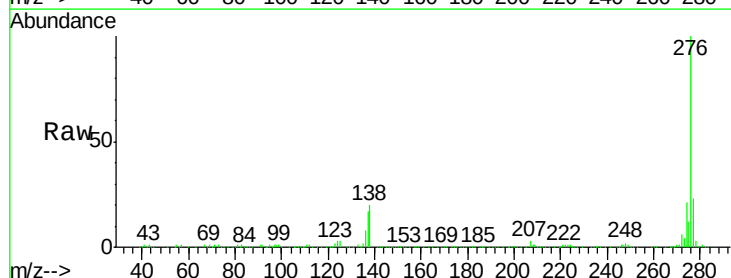
Tgt Ion:276 Resp: 575142

Ion Ratio Lower Upper

276 100

277 23.2 19.0 28.4

138 19.5 16.6 25.0



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

