

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF031820\  
 Data File : BF119431.D  
 Acq On : 18 Mar 2020 22:53  
 Operator : CG/JU  
 Sample : L1913-10  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MK-031220-0-2-COMP-B2

Quant Time: Mar 19 01:21:49 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF031820.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 18 15:11:18 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.85  | 152  | 362699   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.14  | 136  | 1377001  | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.90  | 164  | 665298   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.39 | 188  | 1155824  | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 14.02 | 240  | 664991   | 20.00 | ng    | -0.01    |
| 87) Perylene-d12          | 15.50 | 264  | 683884   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |       |    |      |
|--------------------------|-------|-----|---------|-------|----|------|
| 5) 2-Fluorophenol        | 5.46  | 112 | 1769657 | 77.67 | ng | 0.00 |
| 7) Phenol-d6             | 6.47  | 99  | 2355423 | 80.93 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.42  | 82  | 1468875 | 57.97 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.69 | 330 | 491612  | 71.63 | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 9.22  | 172 | 2534168 | 56.43 | ng | 0.00 |
| 79) Terphenyl-d14        | 12.97 | 244 | 2151702 | 63.39 | ng | 0.00 |

## Target Compounds

|                                |      |     |         |       |    | Qvalue |
|--------------------------------|------|-----|---------|-------|----|--------|
| 2) 1,4-Dioxane                 | 2.61 | 88  | 231     | 0.02  | ng | # 1    |
| 3) Pyridine                    | 3.49 | 79  | 115     | 0.00  | ng | # 1    |
| 4) n-Nitrosodimethylamine      | 3.30 | 42  | 438     | 0.03  | ng | # 1    |
| 6) Aniline                     | 6.48 | 93  | 155     | 0.00  | ng | # 1    |
| 9) Benzaldehyde                | 6.39 | 77  | 1218    | 0.07  | ng | # 58   |
| 10) Phenol                     | 6.48 | 94  | 10428   | 0.34  | ng | # 18   |
| 11) bis(2-Chloroethyl)ether    | 6.48 | 93  | 155     | 0.01  | ng | # 1    |
| 12) 1,3-Dichlorobenzene        | 6.87 | 146 | 636     | 0.02  | ng | # 66   |
| 13) 1,4-Dichlorobenzene        | 6.87 | 146 | 636     | 0.02  | ng | # 54   |
| 14) 1,2-Dichlorobenzene        | 6.87 | 146 | 636     | 0.03  | ng | # 54   |
| 15) Benzyl Alcohol             | 7.01 | 79  | 24946   | 1.14  | ng | # 47   |
| 16) 2,2'-oxybis(1-Chloropropan | 7.13 | 45  | 221     | 0.00  | ng | # 75   |
| 17) 2-Methylphenol             | 7.02 | 107 | 231     | 0.01  | ng | # 1    |
| 19) n-Nitroso-di-n-propylamine | 7.42 | 70  | 197235  | 11.24 | ng | # 73   |
| 20) 3+4-Methylphenols          | 7.25 | 107 | 439     | 0.02  | ng | # 54   |
| 22) Acetophenone               | 7.25 | 105 | 1232    | 0.04  | ng | # 65   |
| 24) Nitrobenzene               | 7.42 | 77  | 4292    | 0.16  | ng | # 34   |
| 25) Isophorone                 | 7.42 | 82  | 1467894 | 28.56 | ng | # 66   |
| 27) 2,4-Dimethylphenol         | 7.80 | 122 | 456     | 0.02  | ng | # 3    |
| 28) bis(2-Chloroethoxy)methane | 8.14 | 93  | 158     | 0.01  | ng | # 1    |
| 31) Naphthalene                | 8.16 | 128 | 7867    | 0.11  | ng | # 97   |
| 32) Benzoic acid               | 7.80 | 122 | 456     | 0.03  | ng | # 89   |
| 33) 4-Chloroaniline            | 8.16 | 127 | 968     | 0.03  | ng | # 26   |
| 35) Caprolactam                | 8.51 | 113 | 510     | 0.08  | ng | # 24   |
| 36) 4-Chloro-3-methylphenol    | 8.70 | 107 | 143     | 0.01  | ng | # 19   |
| 37) 2-Methylnaphthalene        | 8.85 | 142 | 5181    | 0.11  | ng | # 96   |
| 38) 1-Methylnaphthalene        | 8.95 | 142 | 3222    | 0.07  | ng | # 98   |
| 46) 1,1'-Biphenyl              | 9.32 | 154 | 8838    | 0.16  | ng | # 91   |
| 47) 2-Chloronaphthalene        | 9.61 | 162 | 3984    | 0.09  | ng | # 1    |
| 48) 2-Nitroaniline             | 9.34 | 65  | 644     | 0.04  | ng | # 9    |
| 49) Acenaphthylene             | 9.76 | 152 | 6204    | 0.09  | ng | # 99   |
| 50) Dimethylphthalate          | 9.61 | 163 | 569372  | 12.05 | ng | # 99   |
| 51) 2,6-Dinitrotoluene         | 9.61 | 165 | 6353    | 0.63  | ng | # 1    |
| 52) Acenaphthene               | 9.93 | 154 | 1946    | 0.05  | ng | # 76   |

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 Sample : L1913-10  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

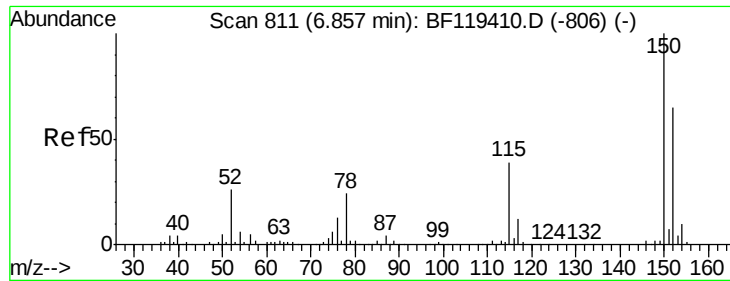
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MK-031220-0-2-COMP-B2

Quant Time: Mar 19 01:21:49 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF031820.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 18 15:11:18 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|-------|------|----------|------|-------|----------|
| 55) Dibenzofuran               | 10.10 | 168  | 2331     | 0.04 | ng    | # 65     |
| 56) 4-Nitrophenol              | 10.10 | 139  | 945      | 0.09 | ng    | # 8      |
| 57) 2,4-Dinitrotoluene         | 9.90  | 165  | 86814    | 6.80 | ng    | # 25     |
| 58) Fluorene                   | 10.45 | 166  | 2343     | 0.05 | ng    | # 85     |
| 60) Diethylphthalate           | 10.32 | 149  | 837      | 0.02 | ng    | # 73     |
| 61) 4-Chlorophenyl-phenylether | 10.24 | 204  | 618      | 0.03 | ng    | # 28     |
| 63) Azobenzene                 | 10.60 | 77   | 417      | 0.01 | ng    | # 1      |
| 65) 4,6-Dinitro-2-methylphenol | 10.69 | 198  | 834      | 0.17 | ng    | # 1      |
| 66) n-Nitrosodiphenylamine     | 10.55 | 169  | 763      | 0.02 | ng    | # 25     |
| 67) 4-Bromophenyl-phenylether  | 10.69 | 248  | 30183    | 2.29 | ng    | # 1      |
| 71) Phenanthrene               | 11.41 | 178  | 51375    | 0.86 | ng    | 98       |
| 72) Anthracene                 | 11.46 | 178  | 10453    | 0.17 | ng    | 100      |
| 73) Carbazole                  | 11.61 | 167  | 5135     | 0.09 | ng    | # 93     |
| 74) Di-n-butylphthalate        | 11.95 | 149  | 114749   | 1.78 | ng    | 96       |
| 75) Fluoranthene               | 12.60 | 202  | 116378   | 1.79 | ng    | 95       |
| 77) Benzidine                  | 12.97 | 184  | 26085    | 0.93 | ng    | # 89     |
| 78) Pyrene                     | 12.83 | 202  | 109102   | 2.00 | ng    | 96       |
| 80) Butylbenzylphthalate       | 13.44 | 149  | 175      | 0.01 | ng    | # 42     |
| 81) Benzo(a)anthracene         | 14.02 | 228  | 46725    | 1.08 | ng    | 95       |
| 82) 3,3'-Dichlorobenzidine     | 14.06 | 252  | 384      | 0.02 | ng    | # 1      |
| 83) Chrysene                   | 14.05 | 228  | 50587    | 1.13 | ng    | 96       |
| 84) Bis(2-ethylhexyl)phthalate | 14.02 | 149  | 2226     | 0.08 | ng    | # 84     |
| 85) Di-n-octyl phthalate       | 14.63 | 149  | 412      | 0.01 | ng    | # 29     |
| 86) Indeno(1,2,3-cd)pyrene     | 16.96 | 276  | 31499    | 0.75 | ng    | 98       |
| 88) Benzo(b)fluoranthene       | 15.06 | 252  | 85922    | 1.88 | ng    | 99       |
| 89) Benzo(k)fluoranthene       | 15.06 | 252  | 85922    | 1.98 | ng    | 100      |
| 90) Benzo(a)pyrene             | 15.43 | 252  | 43971    | 1.06 | ng    | 95       |
| 91) Dibenzo(a,h)anthracene     | 16.97 | 278  | 9988     | 0.28 | ng    | # 88     |
| 92) Benzo(g,h,i)perylene       | 17.39 | 276  | 33415    | 0.92 | ng    | # 92     |

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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 810

Delta R.T. -0.01 min

Lab File: BF119431.D

Acq: 18 Mar 2020 22:53

Instrument :

BNA\_F

ClientSampleId :

MK-031220-0-2-COMP-B2

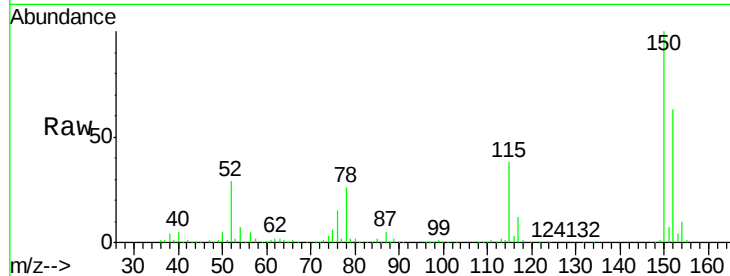
Tgt Ion: 152 Resp: 362699

Ion Ratio Lower Upper

152 100

150 157.6 123.9 185.9

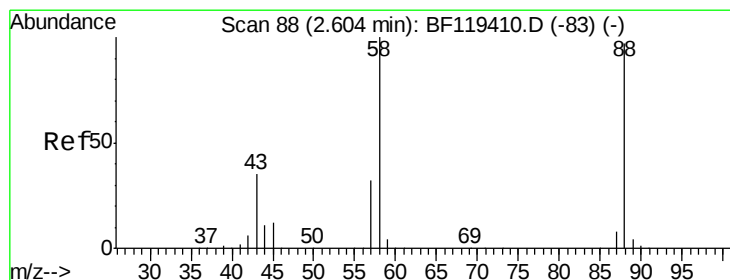
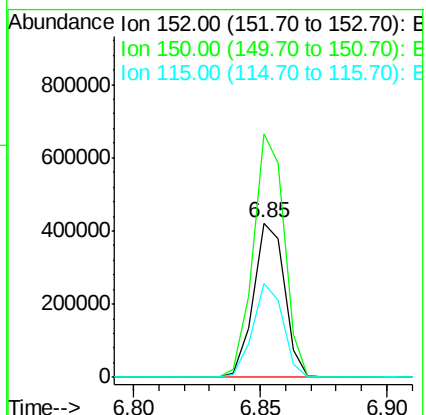
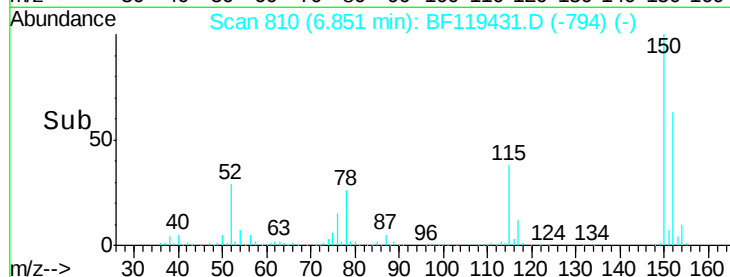
115 60.6 47.8 71.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.02 ng

RT: 2.61 min Scan# 89

Delta R.T. 0.01 min

Lab File: BF119431.D

Acq: 18 Mar 2020 22:53

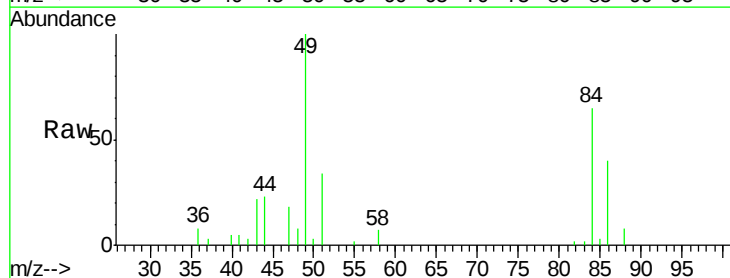
Tgt Ion: 88 Resp: 231

Ion Ratio Lower Upper

88 100

58 0.0 79.4 119.2#

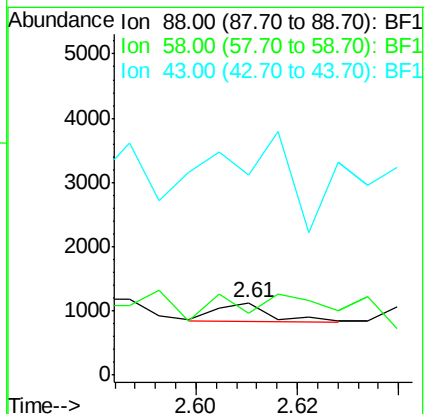
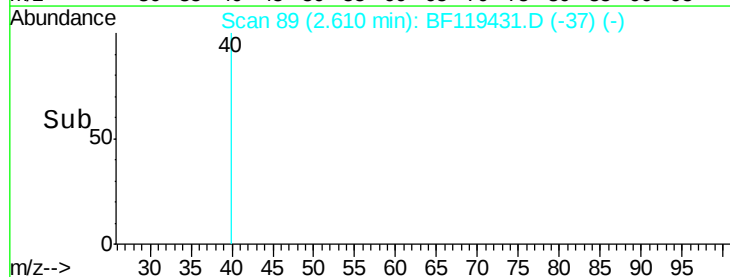
43 567.1 28.4 42.6#

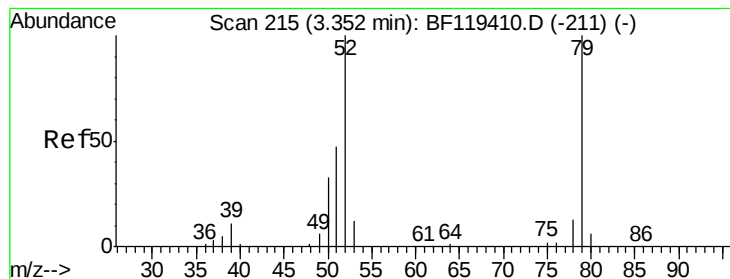


Abundance Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





#3

Pyridine

Concen: 0.00 ng

RT: 3.49 min Scan# 239

Delta R.T. 0.14 min

Lab File: BF119431.D

Acq: 18 Mar 2020 22:53

Instrument :

BNA\_F

ClientSampleId :

MK-031220-0-2-COMP-B2

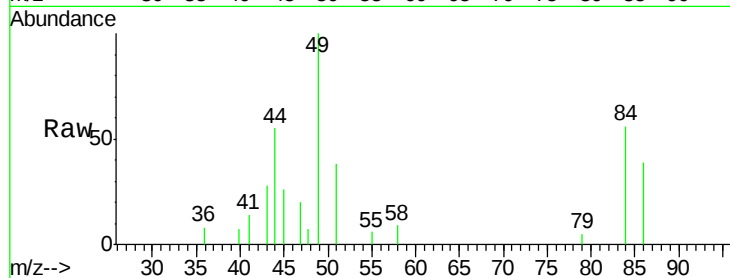
Tgt Ion: 79 Resp: 115

Ion Ratio Lower Upper

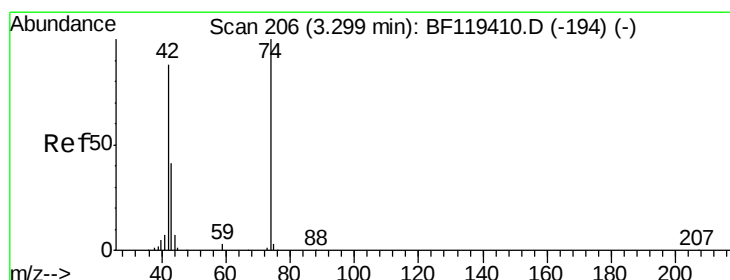
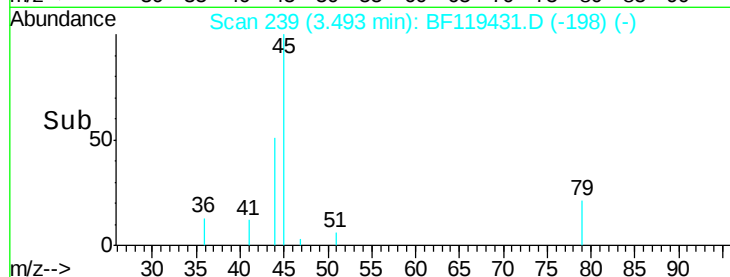
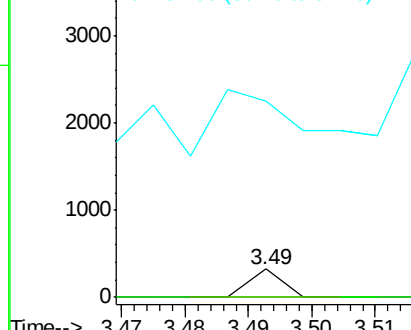
79 100

52 0.0 80.0 120.0#

51 689.6 37.9 56.9#



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



#4

n-Nitrosodimethylamine

Concen: 0.03 ng

RT: 3.30 min Scan# 207

Delta R.T. 0.01 min

Lab File: BF119431.D

Acq: 18 Mar 2020 22:53

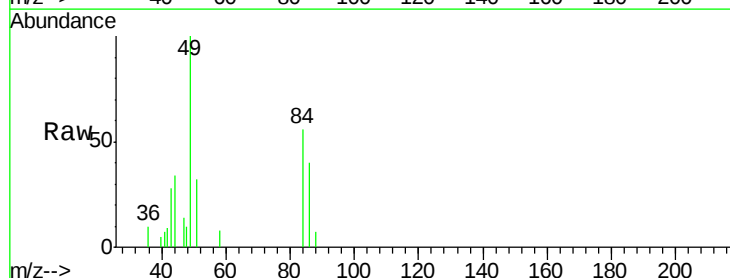
Tgt Ion: 42 Resp: 438

Ion Ratio Lower Upper

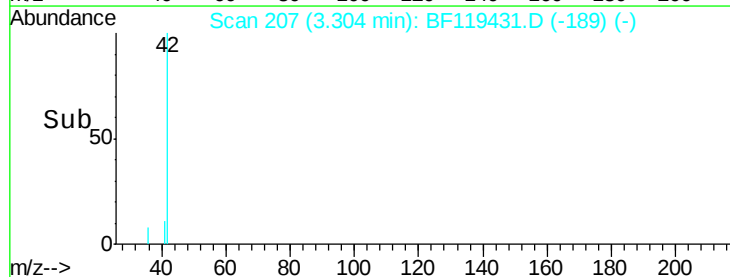
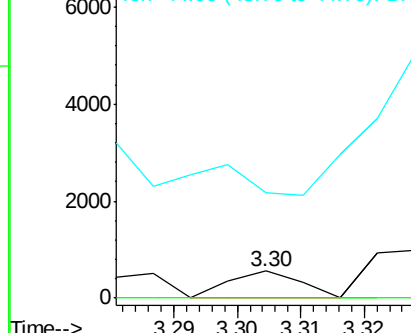
42 100

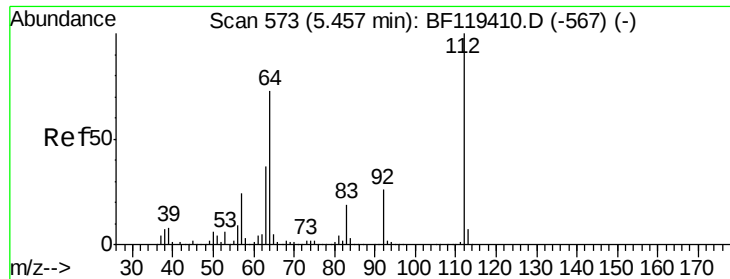
74 0.0 91.3 136.9#

44 388.6 7.1 10.7#



Abundance Ion 42.00 (41.70 to 42.70): BF1  
Ion 74.00 (73.70 to 74.70): BF1  
Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 77.67 ng

RT: 5.46 min Scan# 574

Delta R.T. 0.01 min

Lab File: BF119431.D

Acq: 18 Mar 2020 22:53

Instrument :

BNA\_F

ClientSampleId :

MK-031220-0-2-COMP-B2

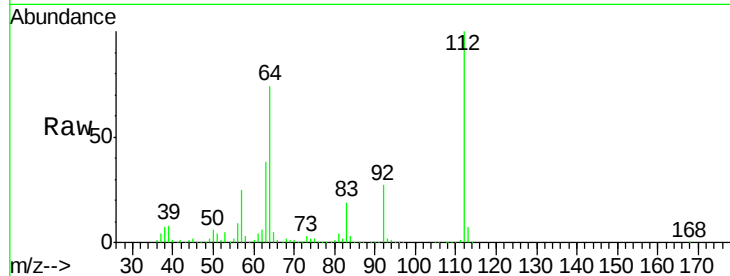
Tgt Ion: 112 Resp: 1769657

Ion Ratio Lower Upper

112 100

64 74.3 58.1 87.1

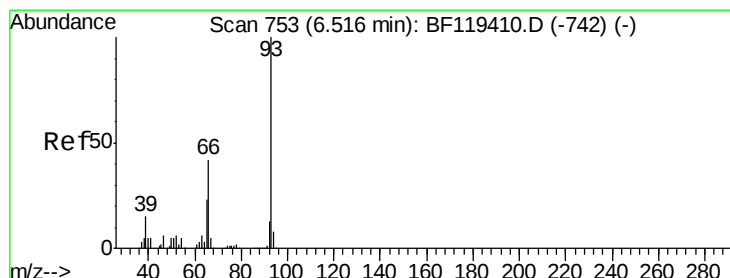
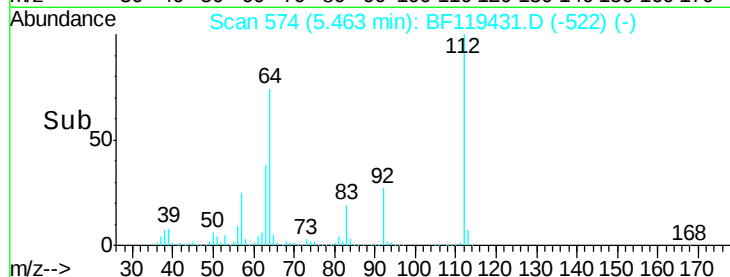
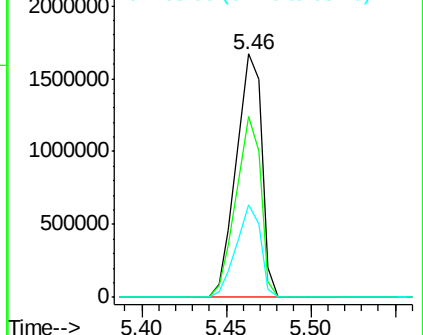
63 38.0 29.7 44.5



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 0.00 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.04 min

Lab File: BF119431.D

Acq: 18 Mar 2020 22:53

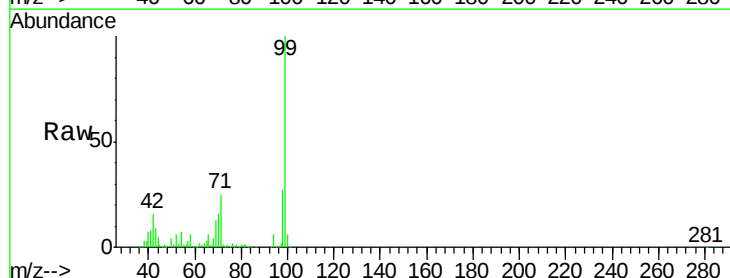
Tgt Ion: 93 Resp: 155

Ion Ratio Lower Upper

93 100

66 4091.1 34.2 51.4#

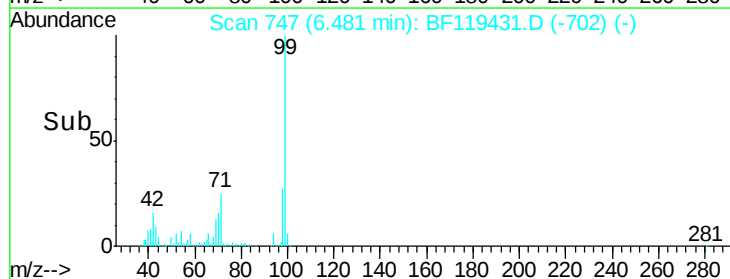
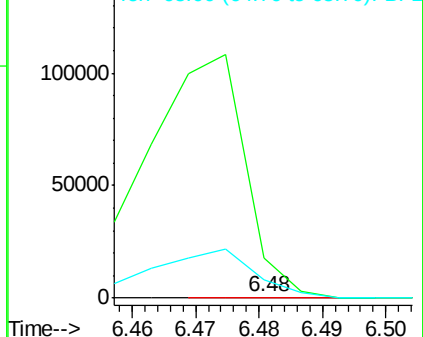
65 1914.6 18.2 27.4#

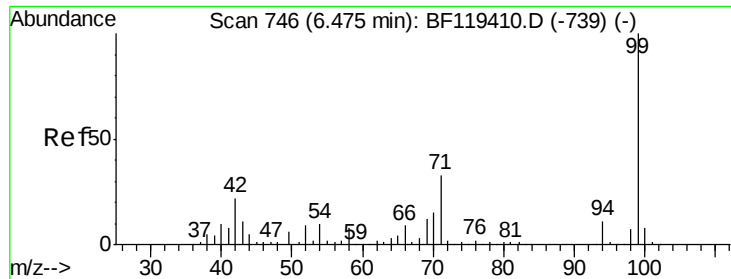


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 80.93 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.00 min

Lab File: BF119431.D

Acq: 18 Mar 2020 22:53

Instrument :

BNA\_F

ClientSampleId :

MK-031220-0-2-COMP-B2

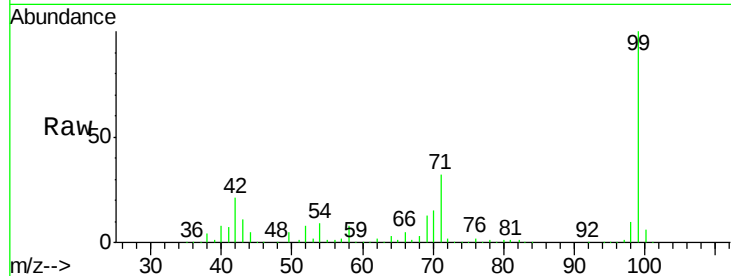
Tgt Ion: 99 Resp: 2355423

Ion Ratio Lower Upper

99 100

42 20.6 17.8 26.6

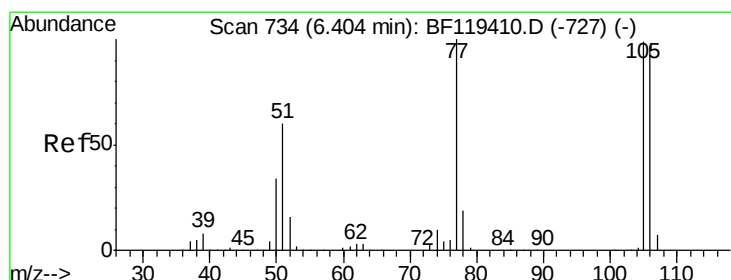
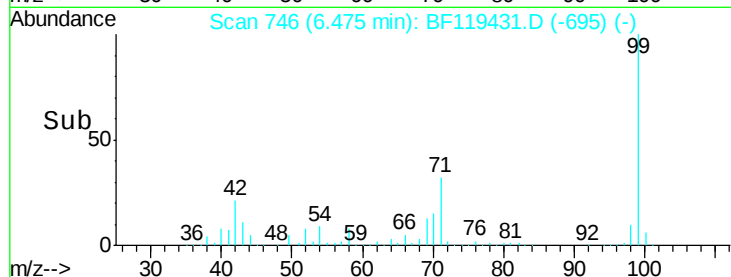
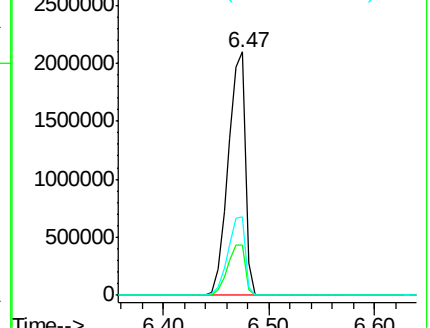
71 32.1 26.0 39.0



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



#9

Benzaldehyde

Concen: 0.07 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF119431.D

Acq: 18 Mar 2020 22:53

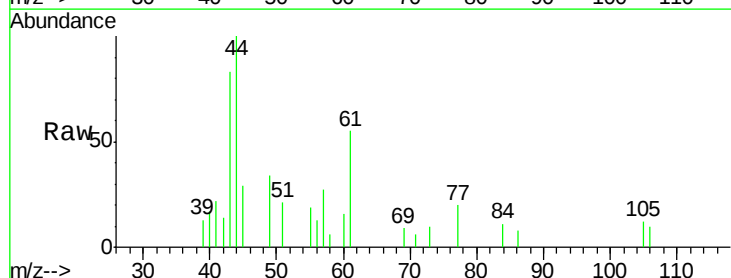
Tgt Ion: 77 Resp: 1218

Ion Ratio Lower Upper

77 100

105 62.3 78.6 118.6#

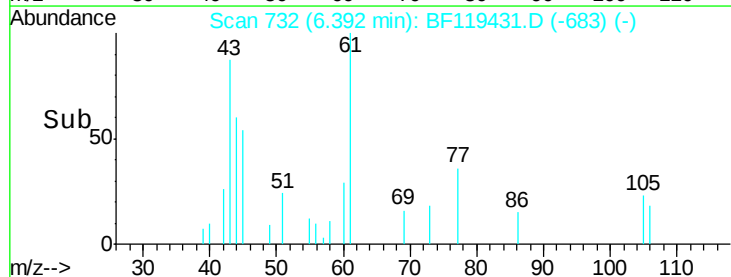
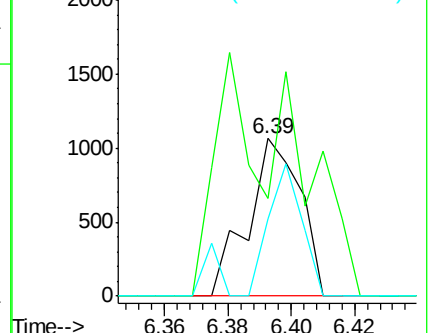
106 49.0 76.5 116.5#

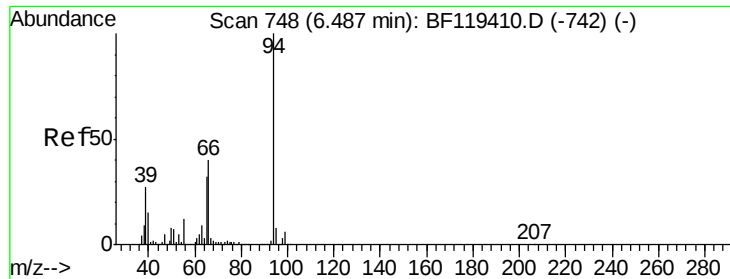


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#10

Phenol

Concen: 0.34 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF119431.D

Acq: 18 Mar 2020 22:53

Instrument :

BNA\_F

ClientSampleId :

MK-031220-0-2-COMP-B2

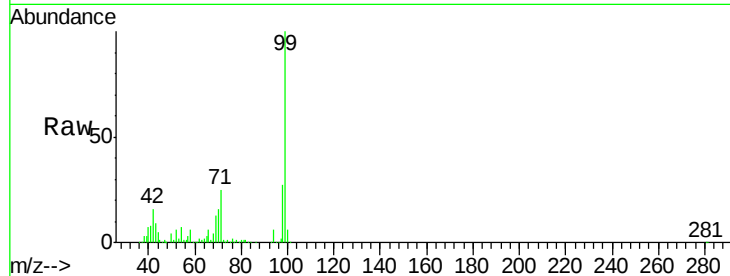
Tgt Ion: 94 Resp: 10428

Ion Ratio Lower Upper

94 100

65 53.2 12.0 52.0#

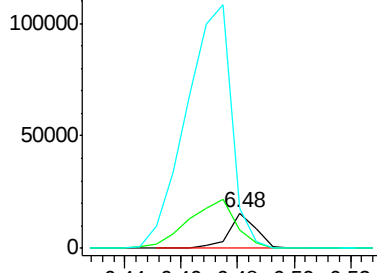
66 113.6 20.6 60.6#



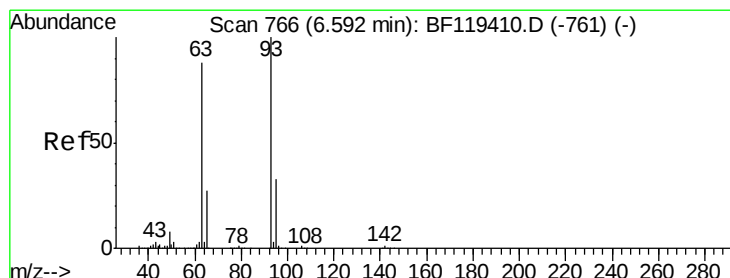
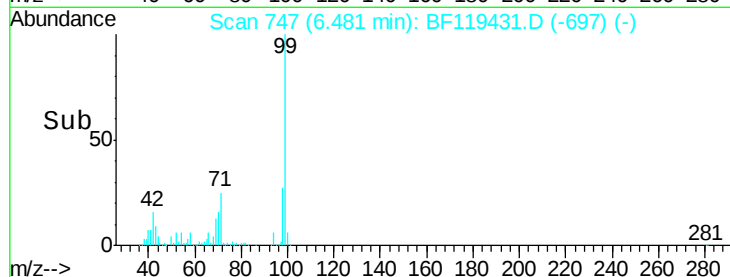
Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1



Time-->



#11

bis(2-Chloroethyl)ether

Concen: 0.01 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.11 min

Lab File: BF119431.D

Acq: 18 Mar 2020 22:53

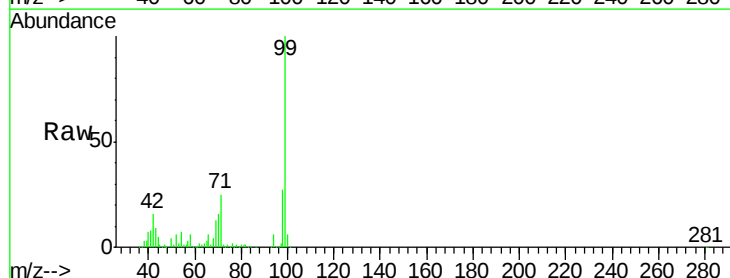
Tgt Ion: 93 Resp: 155

Ion Ratio Lower Upper

93 100

63 692.7 68.4 108.4#

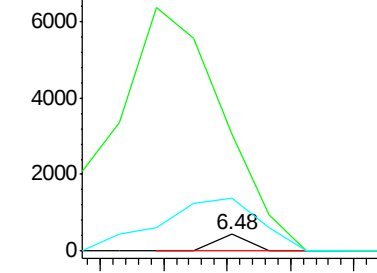
95 315.3 13.4 53.4#



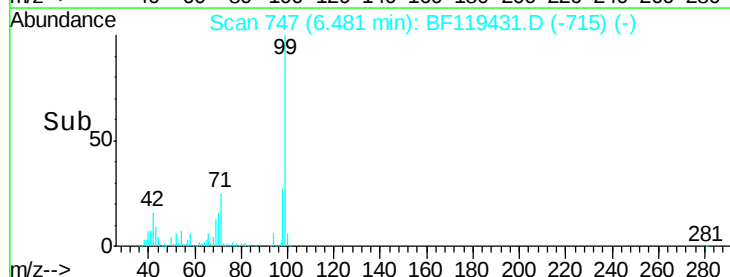
Abundance Ion 93.00 (92.70 to 93.70): BF1

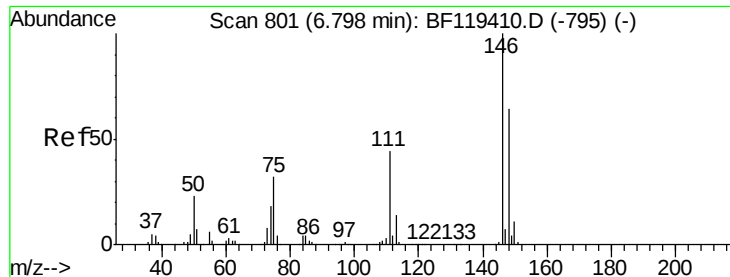
Ion 63.00 (62.70 to 63.70): BF1

Ion 95.00 (94.70 to 95.70): BF1



Time-->

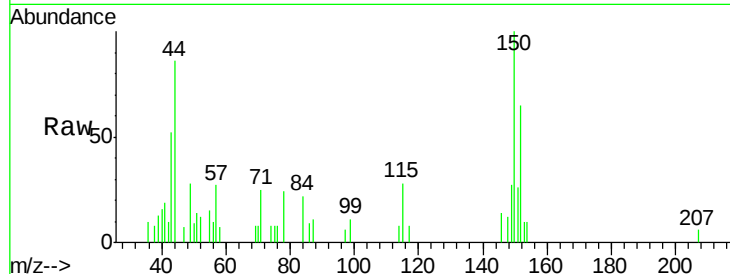




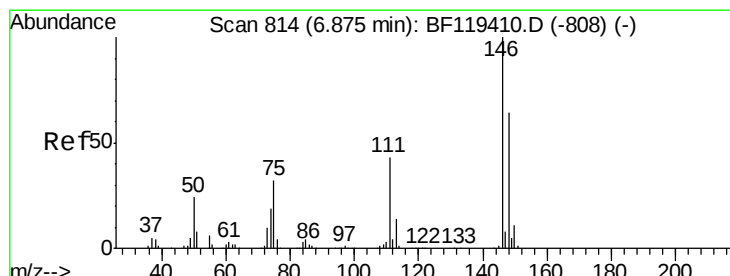
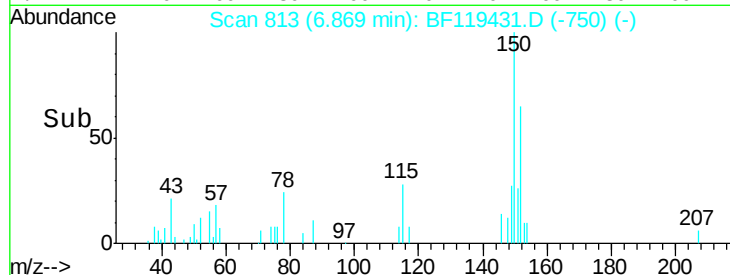
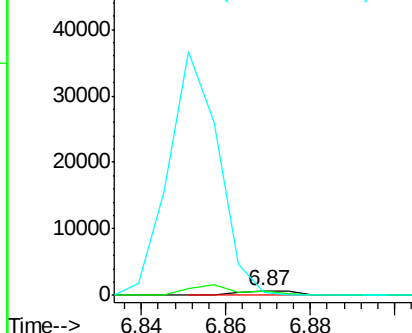
#12  
 1,3-Dichlorobenzene  
 Concen: 0.02 ng  
 RT: 6.87 min Scan# 813  
 Delta R.T. 0.07 min  
 Lab File: BF119431.D  
 Acq: 18 Mar 2020 22:53

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MK-031220-0-2-COMP-B2

Tgt Ion:146 Resp: 636  
 Ion Ratio Lower Upper  
 146 100  
 148 87.9 51.4 77.0#  
 75 55.6 25.8 38.8#

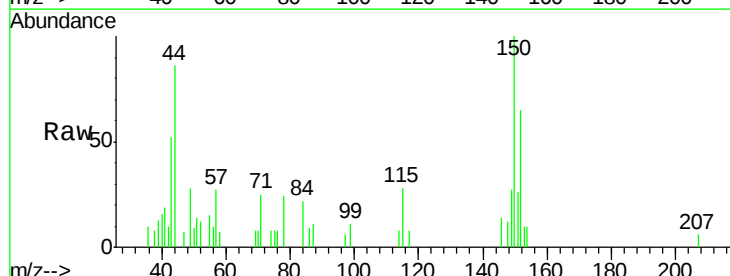


Abundance Ion 146.00 (145.70 to 146.70): E  
 Ion 148.00 (147.70 to 148.70): E  
 Ion 75.00 (74.70 to 75.70): BF1

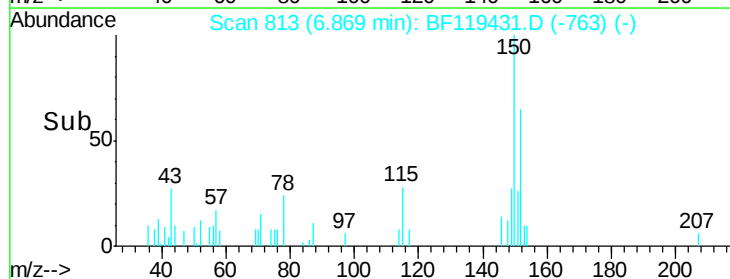
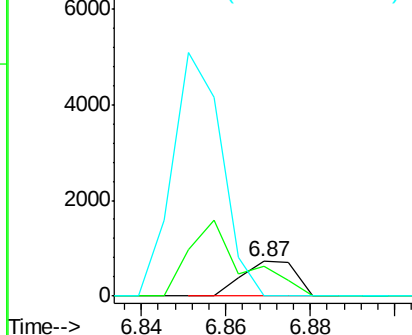


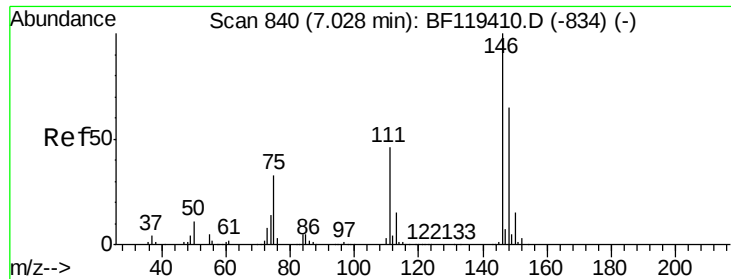
#13  
 1,4-Dichlorobenzene  
 Concen: 0.02 ng  
 RT: 6.87 min Scan# 813  
 Delta R.T. -0.01 min  
 Lab File: BF119431.D  
 Acq: 18 Mar 2020 22:53

Tgt Ion:146 Resp: 636  
 Ion Ratio Lower Upper  
 146 100  
 148 87.9 50.9 76.3#  
 111 0.0 34.6 52.0#



Abundance Ion 146.00 (145.70 to 146.70): E  
 Ion 148.00 (147.70 to 148.70): E  
 Ion 111.00 (110.70 to 111.70): E





#14

1,2-Dichlorobenzene

Concen: 0.03 ng

RT: 6.87 min Scan# 813

Delta R.T. -0.16 min

Lab File: BF119431.D

Acq: 18 Mar 2020 22:53

Instrument :

BNA\_F

ClientSampleId :

MK-031220-0-2-COMP-B2

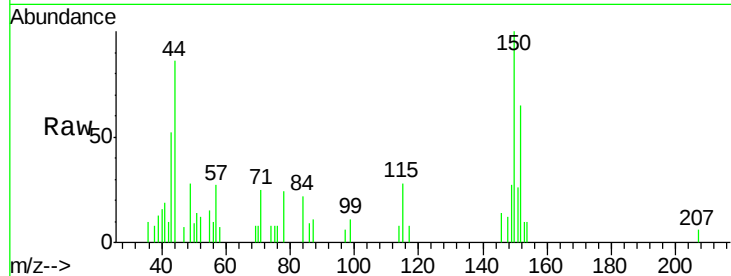
Tgt Ion:146 Resp: 636

Ion Ratio Lower Upper

146 100

148 87.9 51.7 77.5#

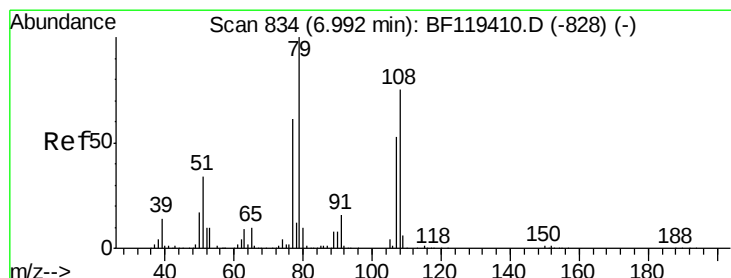
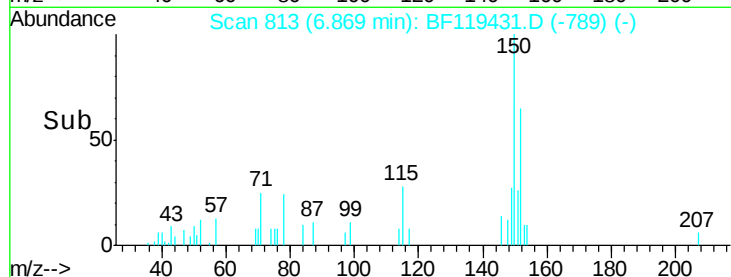
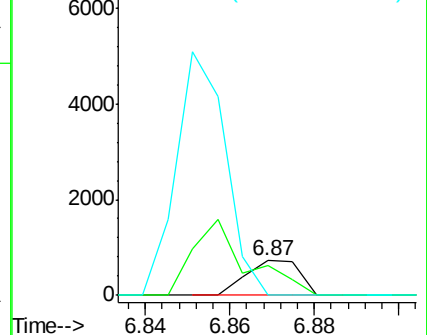
111 0.0 36.4 54.6#



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#15

Benzyl Alcohol

Concen: 1.14 ng

RT: 7.01 min Scan# 837

Delta R.T. 0.02 min

Lab File: BF119431.D

Acq: 18 Mar 2020 22:53

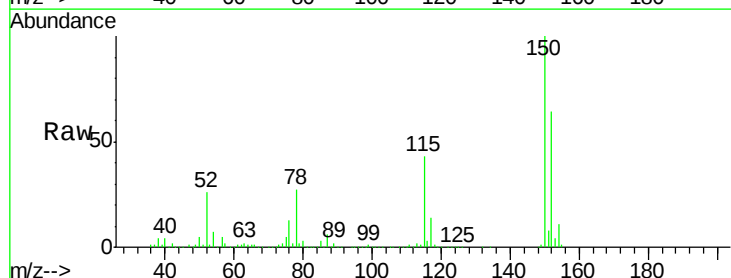
Tgt Ion: 79 Resp: 24946

Ion Ratio Lower Upper

79 100

108 23.0 60.4 90.6#

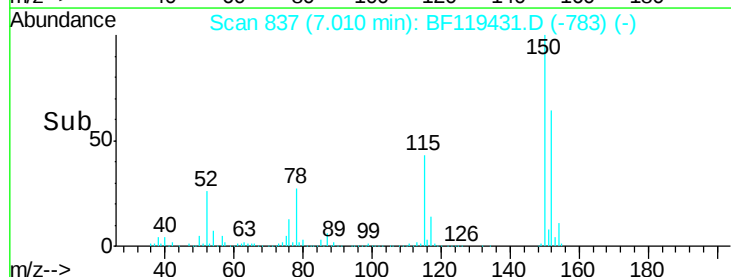
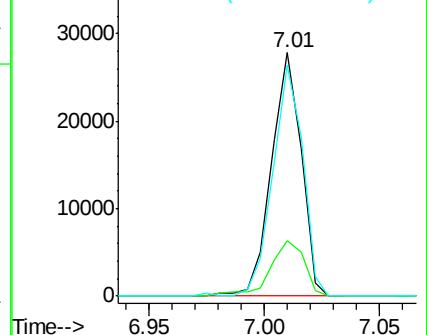
77 94.6 49.0 73.4#

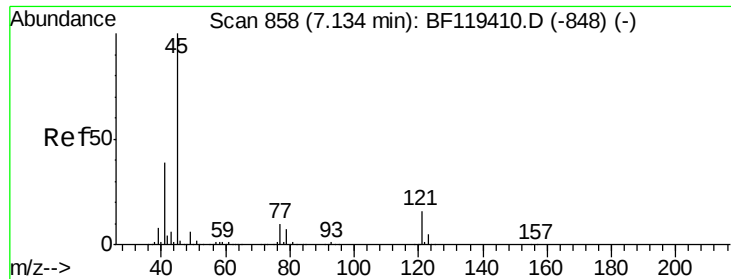


Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

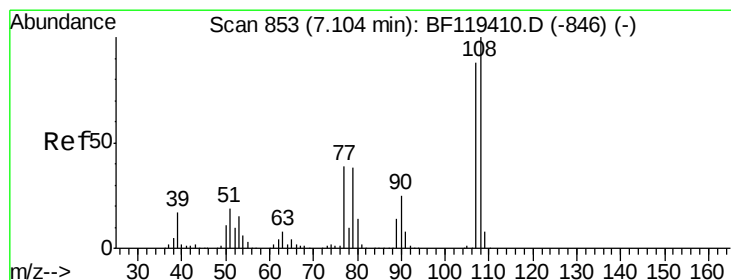
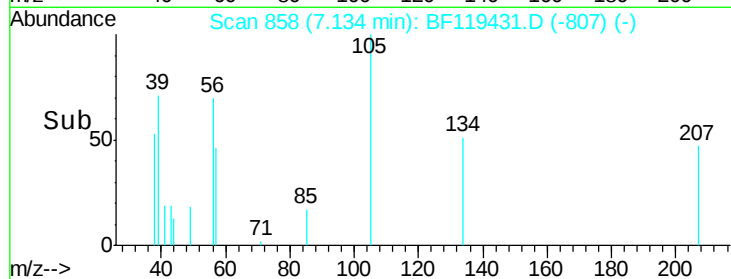
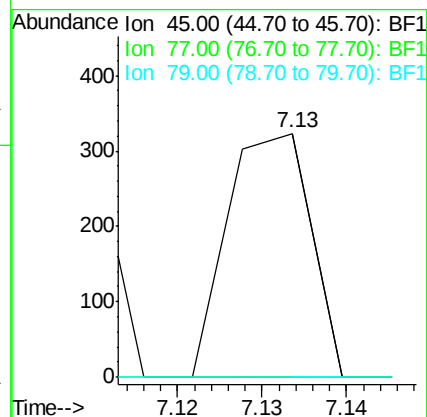
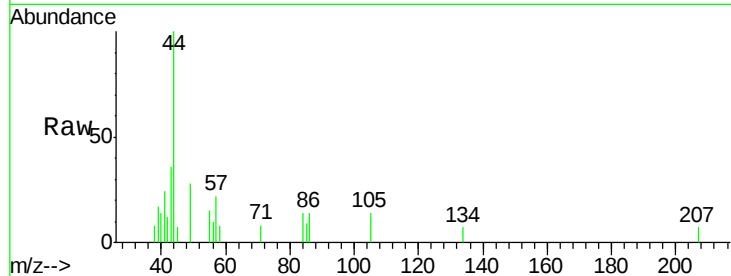




#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 0.00 ng  
RT: 7.13 min Scan# 858  
Delta R.T. -0.00 min  
Lab File: BF119431.D  
Acq: 18 Mar 2020 22:53

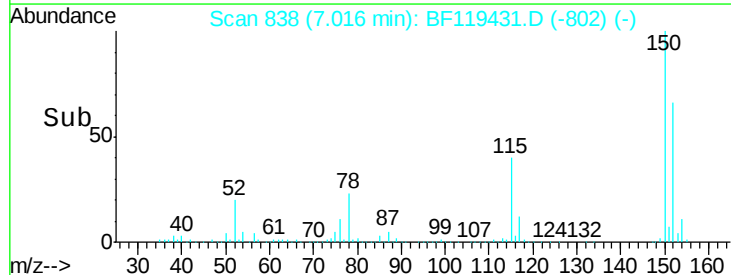
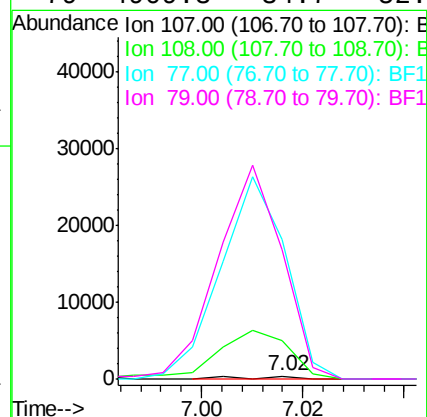
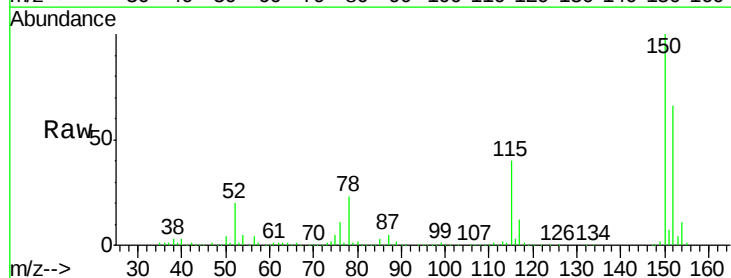
Instrument :  
BNA\_F  
ClientSampleId :  
MK-031220-0-2-COMP-B2

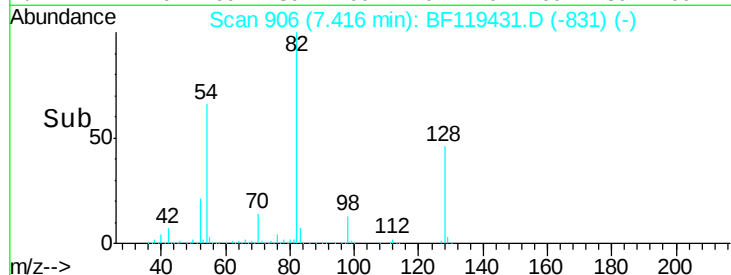
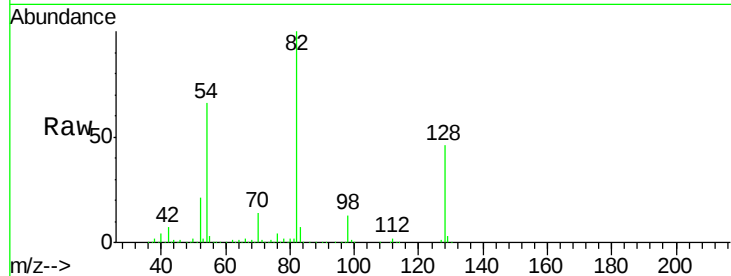
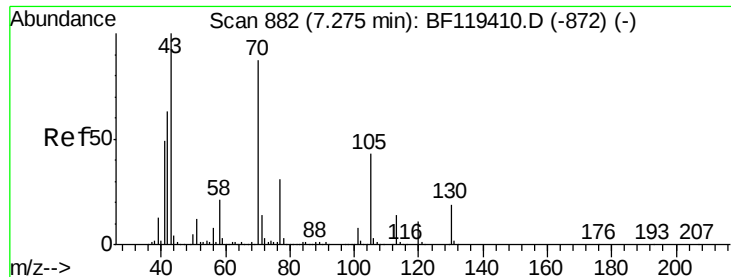
Tgt Ion: 45 Resp: 221  
Ion Ratio Lower Upper  
45 100  
77 0.0 0.0 30.1  
79 0.0 0.0 27.4



#17  
2-Methylphenol  
Concen: 0.01 ng  
RT: 7.02 min Scan# 838  
Delta R.T. -0.09 min  
Lab File: BF119431.D  
Acq: 18 Mar 2020 22:53

Tgt Ion: 107 Resp: 231  
Ion Ratio Lower Upper  
107 100  
108 1448.8 90.7 136.1#  
77 5283.7 35.6 53.4#  
79 4909.3 34.7 52.1#

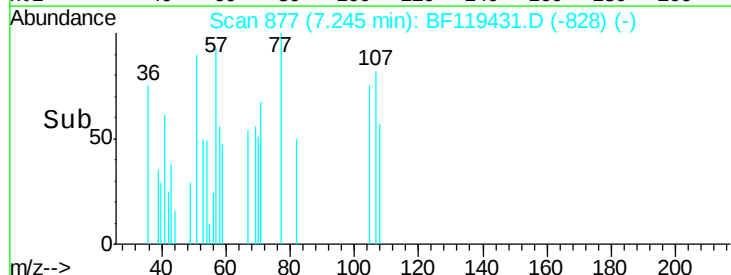
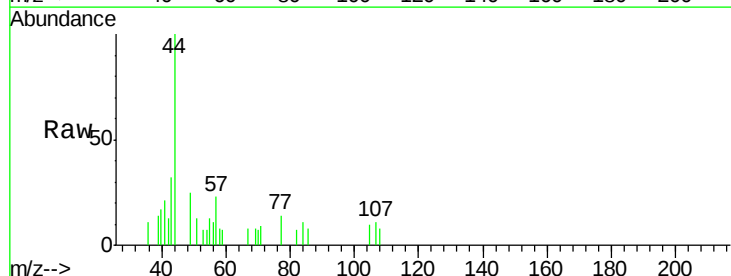
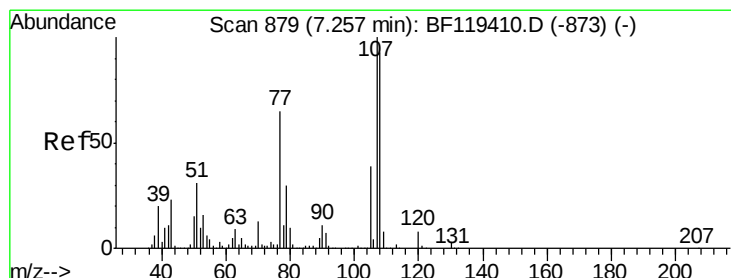
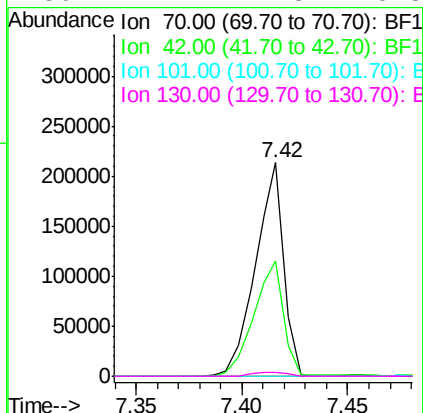




#19  
n-Nitroso-di-n-propylamine  
Concen: 11.24 ng  
RT: 7.42 min Scan# 906  
Delta R.T. 0.14 min  
Lab File: BF119431.D  
Acq: 18 Mar 2020 22:53

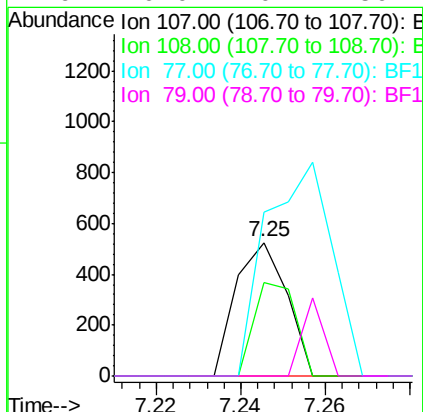
Instrument :  
BNA\_F  
ClientSampleId :  
MK-031220-0-2-COMP-B2

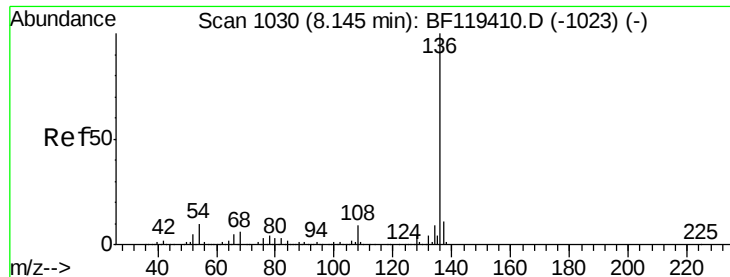
Tgt Ion: 70 Resp: 197235  
Ion Ratio Lower Upper  
70 100  
42 54.0 58.2 87.4#  
101 0.0 7.4 11.2#  
130 1.7 17.8 26.8#



#20  
3+4-Methylphenols  
Concen: 0.02 ng  
RT: 7.25 min Scan# 877  
Delta R.T. -0.01 min  
Lab File: BF119431.D  
Acq: 18 Mar 2020 22:53

Tgt Ion: 107 Resp: 439  
Ion Ratio Lower Upper  
107 100  
108 70.0 72.6 112.6#  
77 122.4 44.7 84.7#  
79 0.0 10.2 50.2#

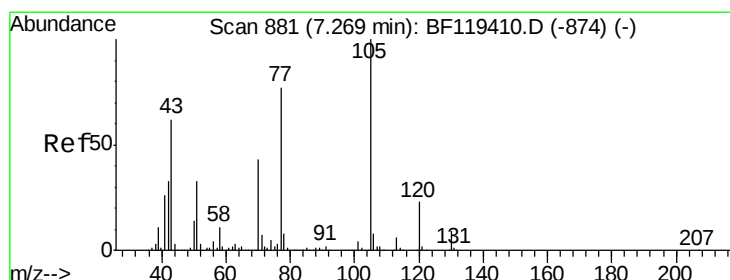
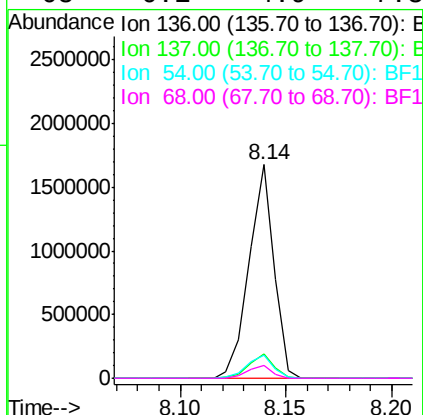
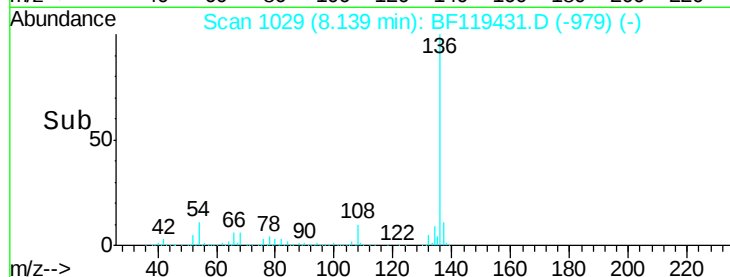
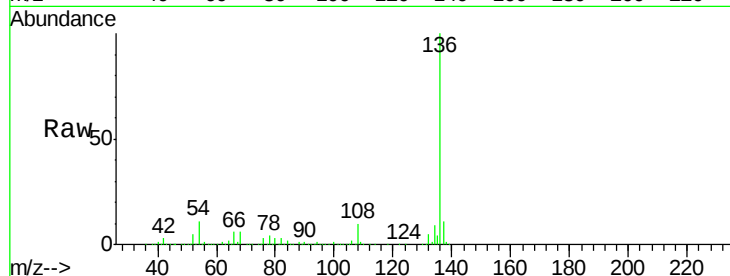




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.14 min Scan# 1029  
Delta R.T. -0.01 min  
Lab File: BF119431.D  
Acq: 18 Mar 2020 22:53

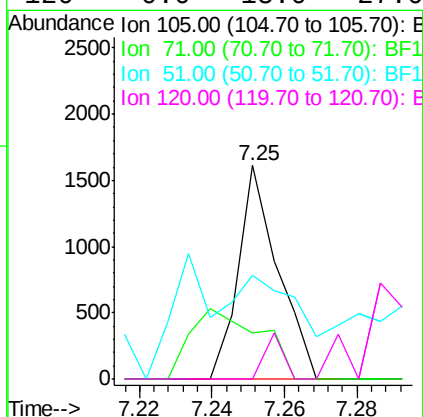
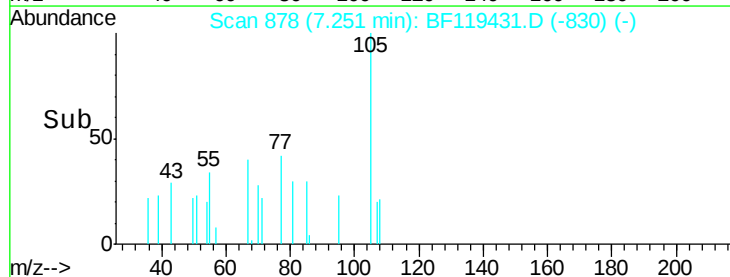
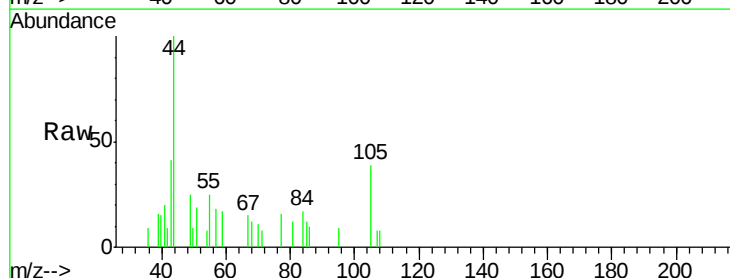
Instrument :  
BNA\_F  
ClientSampleId :  
MK-031220-0-2-COMP-B2

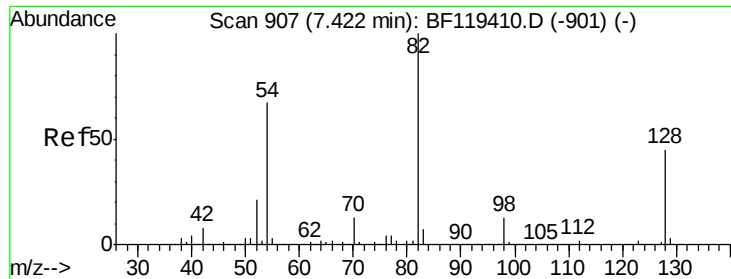
Tgt Ion:136 Resp: 1377001  
Ion Ratio Lower Upper  
136 100  
137 11.3 8.4 12.6  
54 10.8 8.3 12.5  
68 6.1 4.9 7.3



#22  
Acetophenone  
Concen: 0.04 ng  
RT: 7.25 min Scan# 878  
Delta R.T. -0.02 min  
Lab File: BF119431.D  
Acq: 18 Mar 2020 22:53

Tgt Ion:105 Resp: 1232  
Ion Ratio Lower Upper  
105 100  
71 21.6 5.8 8.6#  
51 48.4 26.8 40.2#  
120 0.0 18.0 27.0#

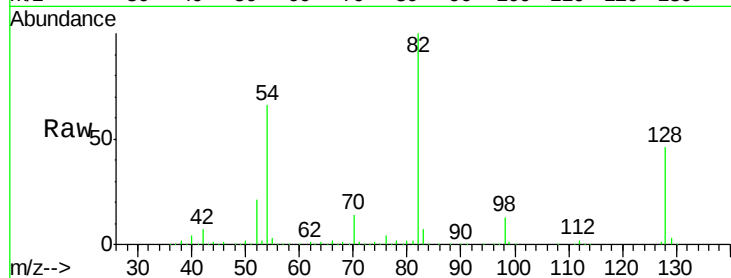




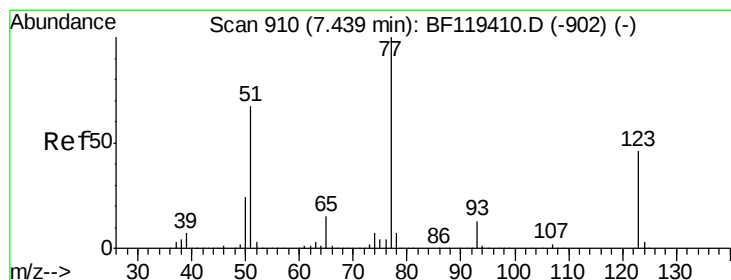
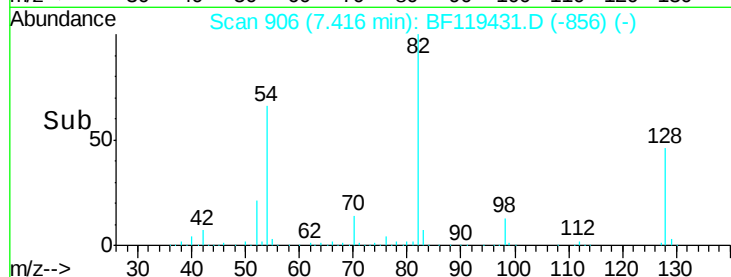
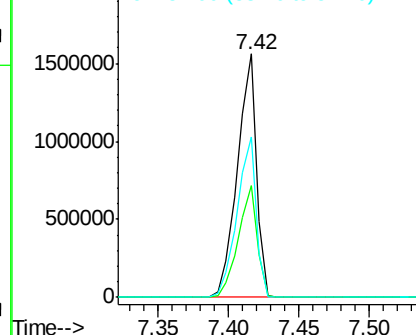
#23  
 Nitrobenzene-d5  
 Concen: 57.97 ng  
 RT: 7.42 min Scan# 906  
 Delta R.T. -0.01 min  
 Lab File: BF119431.D  
 Acq: 18 Mar 2020 22:53

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MK-031220-0-2-COMP-B2

Tgt Ion: 82 Resp: 1468875  
 Ion Ratio Lower Upper  
 82 100  
 128 45.7 35.8 53.8  
 54 65.7 53.4 80.0

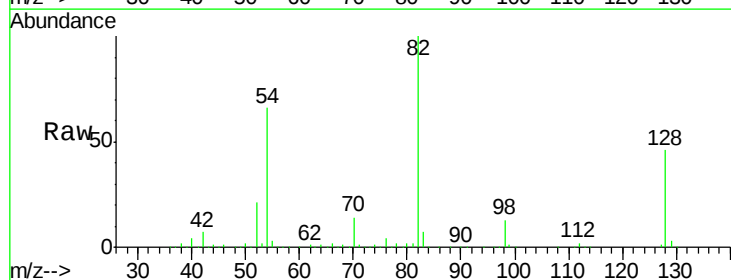


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

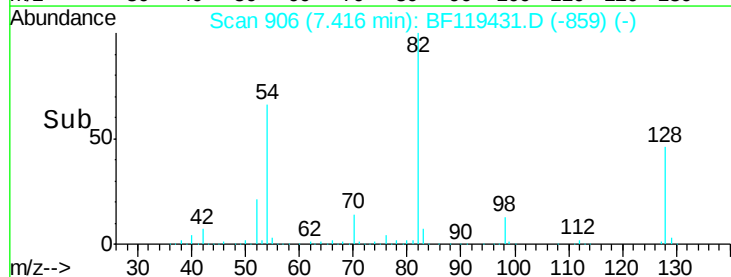
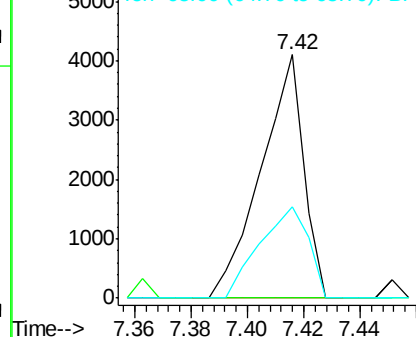


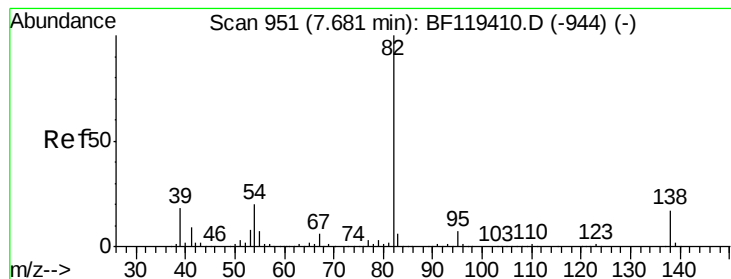
#24  
 Nitrobenzene  
 Concen: 0.16 ng  
 RT: 7.42 min Scan# 906  
 Delta R.T. -0.02 min  
 Lab File: BF119431.D  
 Acq: 18 Mar 2020 22:53

Tgt Ion: 77 Resp: 4292  
 Ion Ratio Lower Upper  
 77 100  
 123 0.0 36.9 55.3#  
 65 37.5 12.2 18.4#



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: 28.56 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.26 min

Lab File: BF119431.D

Acq: 18 Mar 2020 22:53

Instrument :

BNA\_F

ClientSampleId :

MK-031220-0-2-COMP-B2

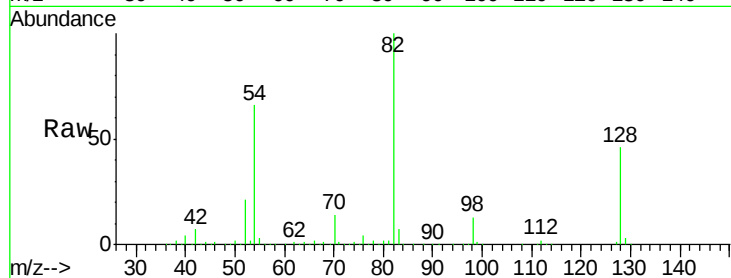
Tgt Ion: 82 Resp: 1467894

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

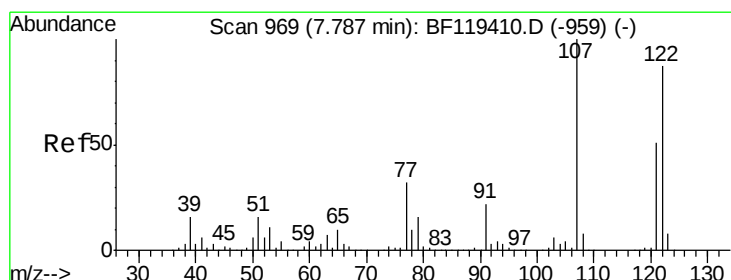
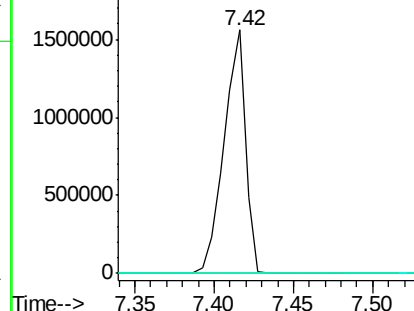
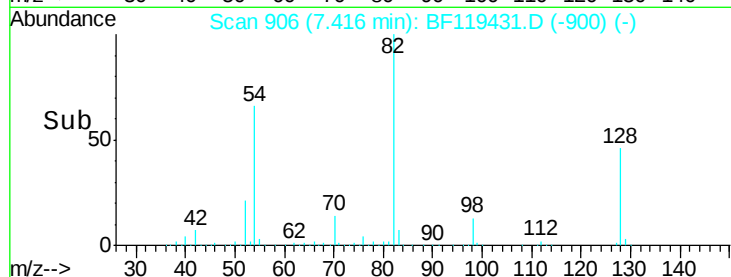
138 0.0 13.8 20.8#



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



#27

2,4-Dimethylphenol

Concen: 0.02 ng

RT: 7.80 min Scan# 971

Delta R.T. 0.01 min

Lab File: BF119431.D

Acq: 18 Mar 2020 22:53

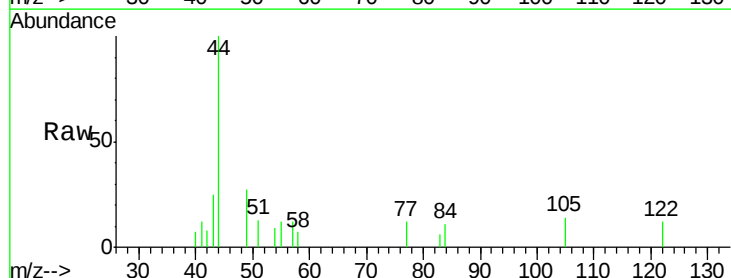
Tgt Ion: 122 Resp: 456

Ion Ratio Lower Upper

122 100

107 0.0 91.8 137.6#

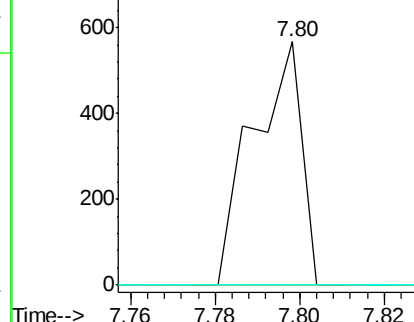
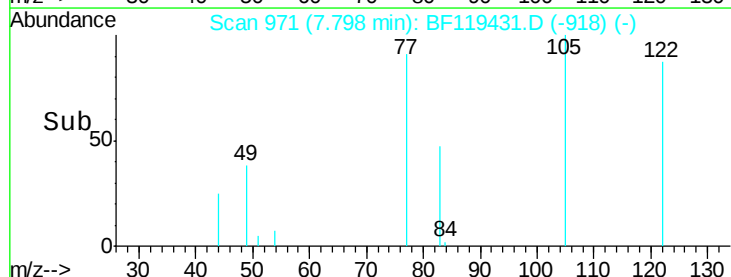
121 0.0 46.5 69.7#

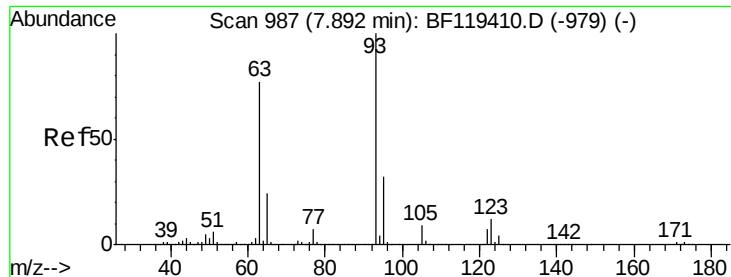


Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 107.00 (106.70 to 107.70): BF1

Ion 121.00 (120.70 to 121.70): BF1

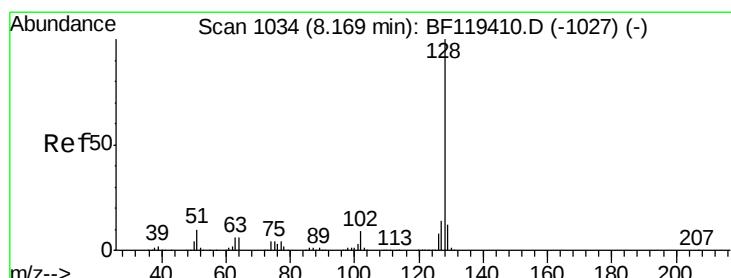
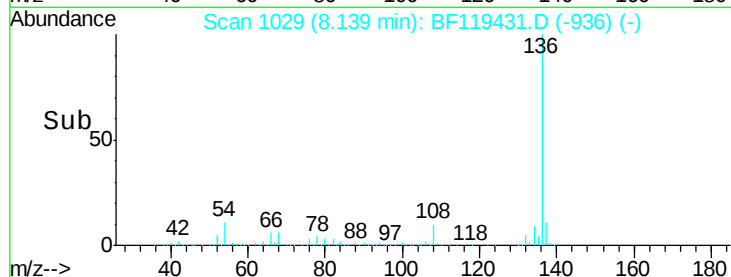
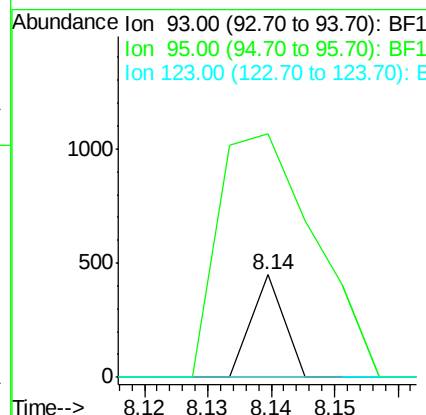
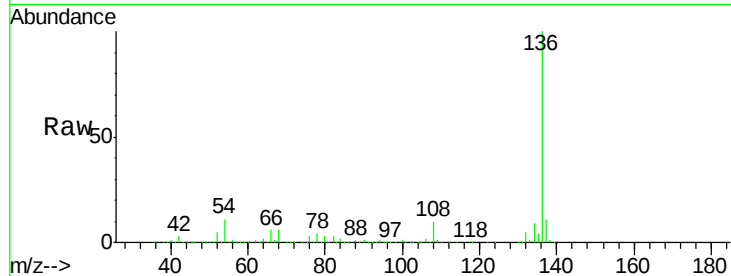




#28  
bis(2-Chloroethoxy)methane  
Concen: 0.01 ng  
RT: 8.14 min Scan# 1029  
Delta R.T. 0.25 min  
Lab File: BF119431.D  
Acq: 18 Mar 2020 22:53

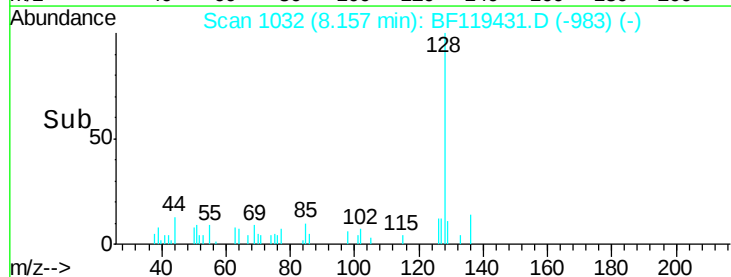
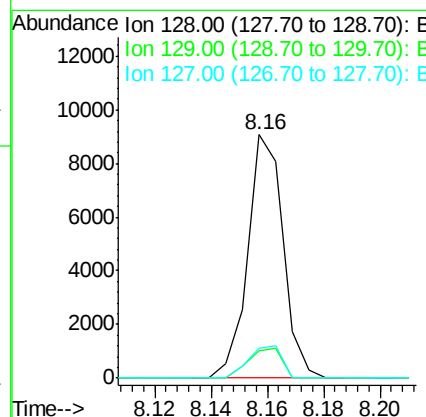
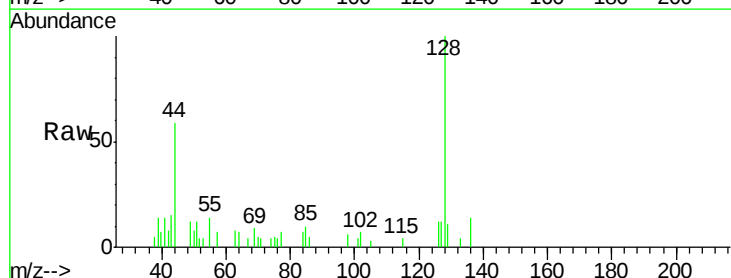
Instrument :  
BNA\_F  
ClientSampleId :  
MK-031220-0-2-COMP-B2

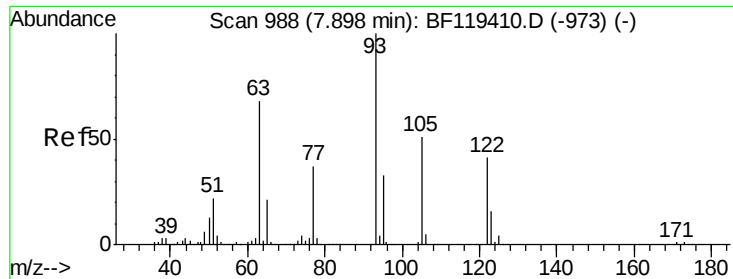
Tgt Ion: 93 Resp: 158  
Ion Ratio Lower Upper  
93 100  
95 237.4 26.0 39.0#  
123 0.0 9.7 14.5#



#31  
Naphthalene  
Concen: 0.11 ng  
RT: 8.16 min Scan# 1032  
Delta R.T. -0.01 min  
Lab File: BF119431.D  
Acq: 18 Mar 2020 22:53

Tgt Ion: 128 Resp: 7867  
Ion Ratio Lower Upper  
128 100  
129 11.0 9.3 13.9  
127 12.1 11.0 16.4





#32

Benzoic acid

Concen: 0.03 ng

RT: 7.80 min Scan# 971

Delta R.T. -0.10 min

Lab File: BF119431.D

Acq: 18 Mar 2020 22:53

Instrument :

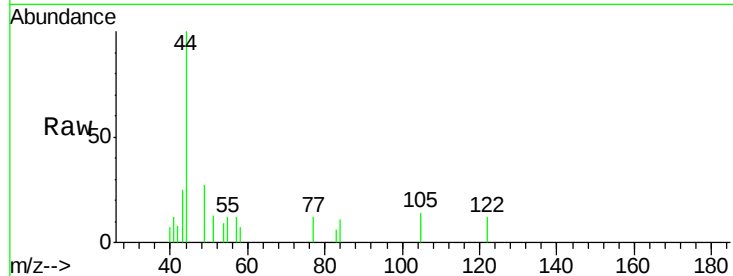
BNA\_F

ClientSampleId :

MK-031220-0-2-COMP-B2

Tgt Ion:122 Resp: 456

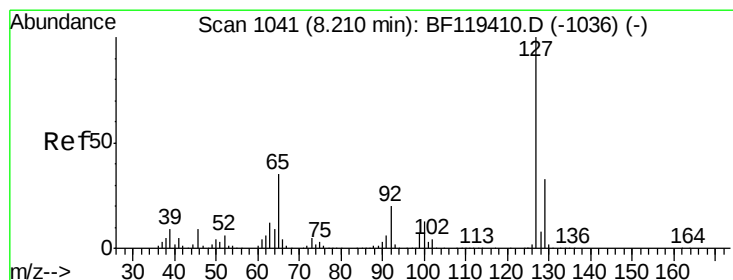
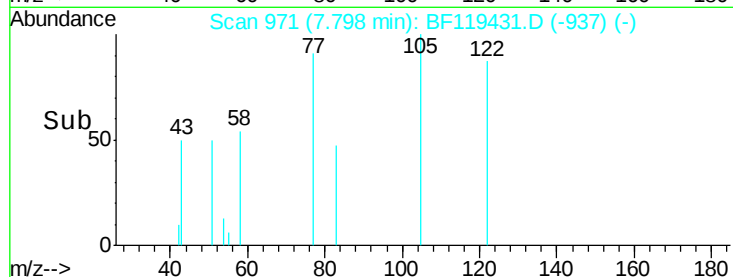
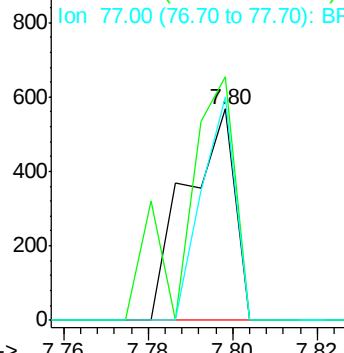
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 122 | 100   |       |       |
| 105 | 115.3 | 102.9 | 142.9 |
| 77  | 105.5 | 70.1  | 110.1 |



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#33

4-Chloroaniline

Concen: 0.03 ng

RT: 8.16 min Scan# 1033

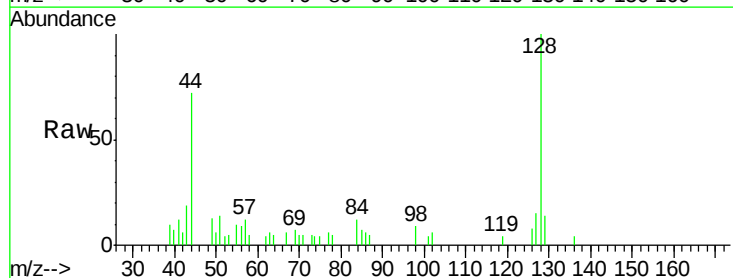
Delta R.T. -0.05 min

Lab File: BF119431.D

Acq: 18 Mar 2020 22:53

Tgt Ion:127 Resp: 968

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 127 | 100   |       |       |
| 129 | 93.0  | 26.2  | 39.4# |
| 65  | 0.0   | 27.7  | 41.5# |
| 92  | 0.0   | 15.8  | 23.6# |

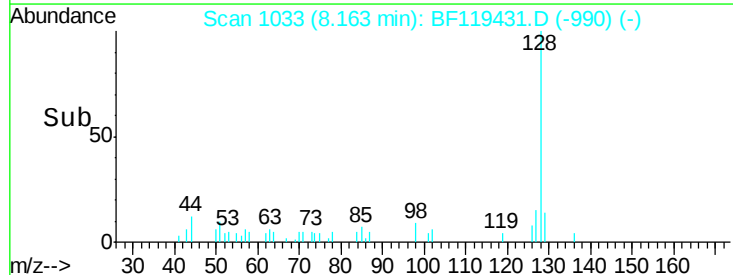
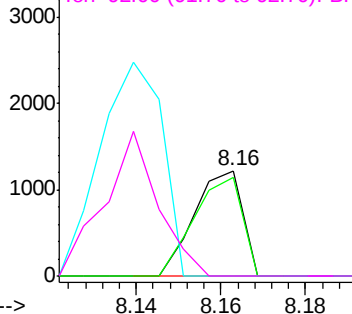


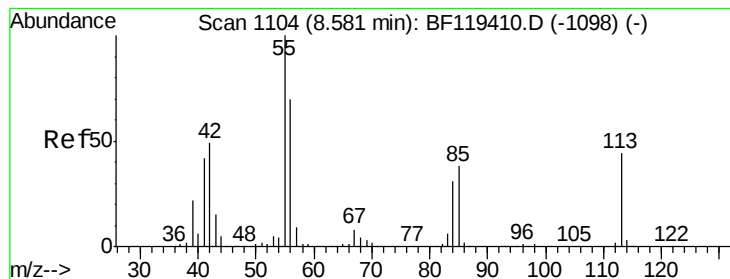
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1





#35

Caprolactam

Concen: 0.08 ng

RT: 8.51 min Scan# 1092

Delta R.T. -0.07 min

Lab File: BF119431.D

Acq: 18 Mar 2020 22:53

Instrument :

BNA\_F

ClientSampleId :

MK-031220-0-2-COMP-B2

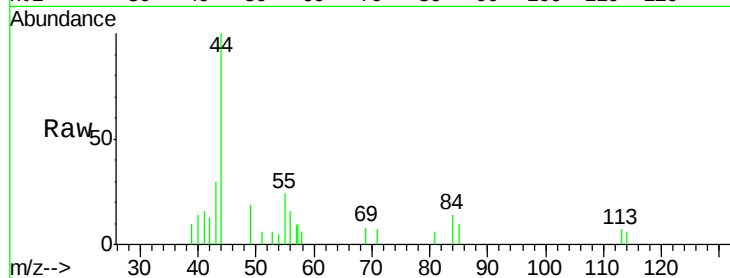
Tgt Ion:113 Resp: 510

Ion Ratio Lower Upper

113 100

55 365.7 208.4 248.4#

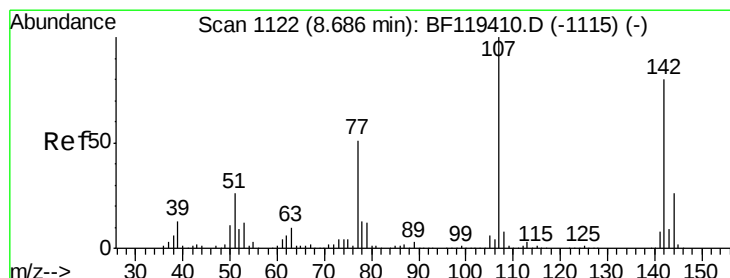
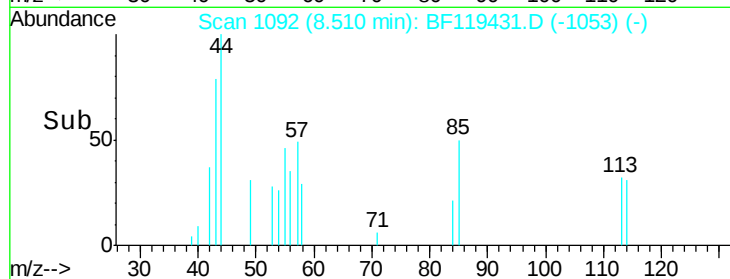
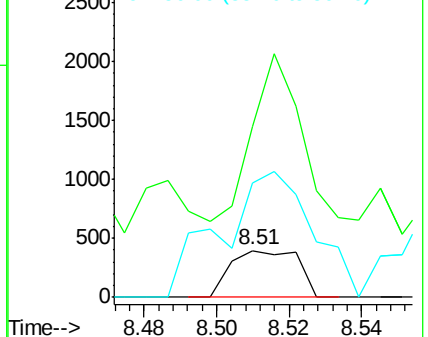
56 243.3 138.9 178.9#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#36

4-Chloro-3-methylphenol

Concen: 0.01 ng

RT: 8.70 min Scan# 1124

Delta R.T. 0.01 min

Lab File: BF119431.D

Acq: 18 Mar 2020 22:53

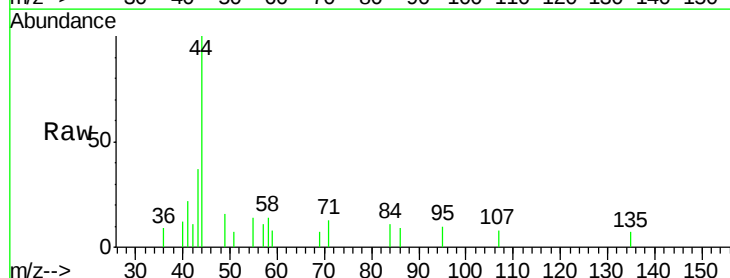
Tgt Ion:107 Resp: 143

Ion Ratio Lower Upper

107 100

144 0.0 20.6 31.0#

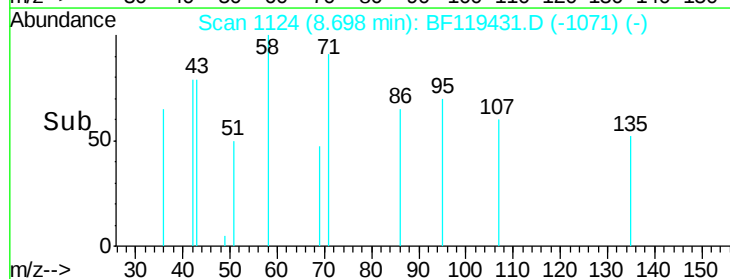
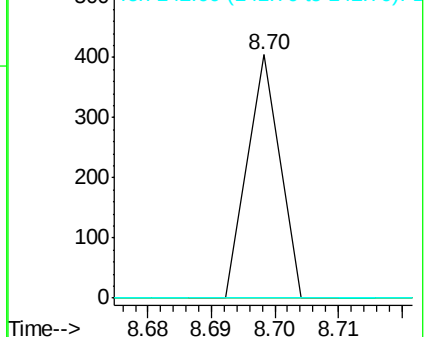
142 0.0 63.8 95.6#

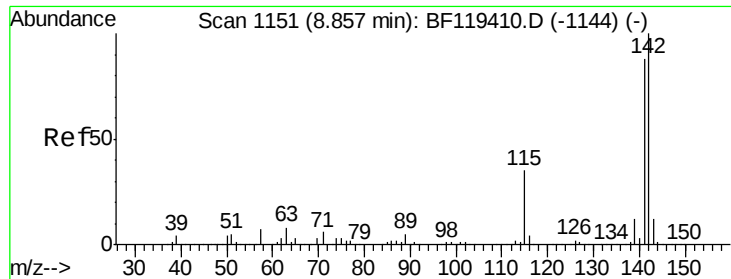


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

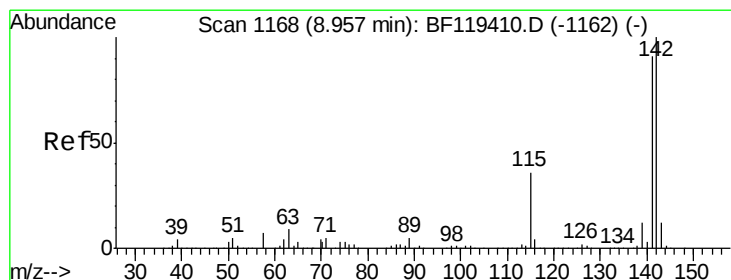
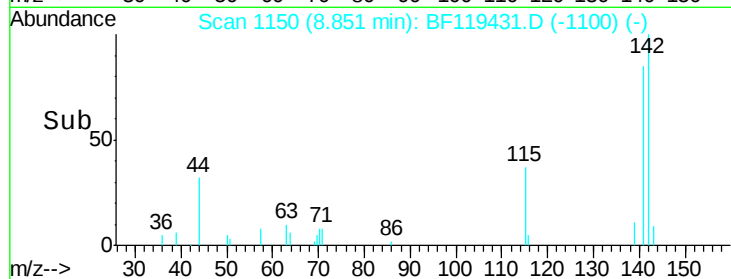
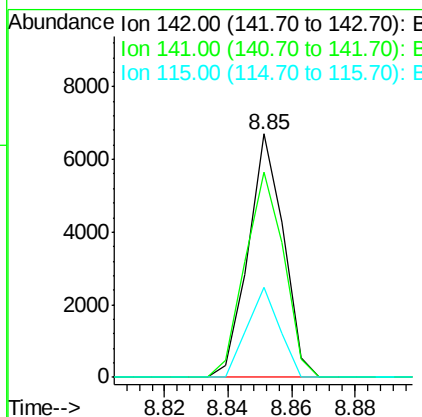
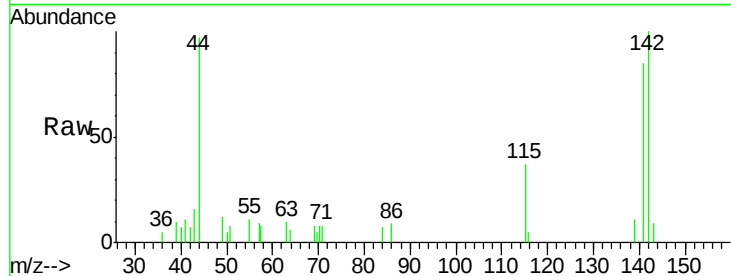




#37  
 2-Methylnaphthalene  
 Concen: 0.11 ng  
 RT: 8.85 min Scan# 1150  
 Delta R.T. -0.01 min  
 Lab File: BF119431.D  
 Acq: 18 Mar 2020 22:53

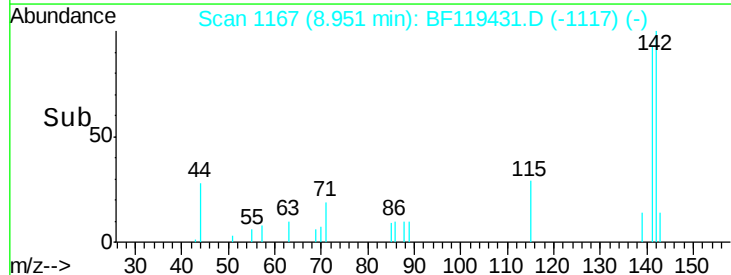
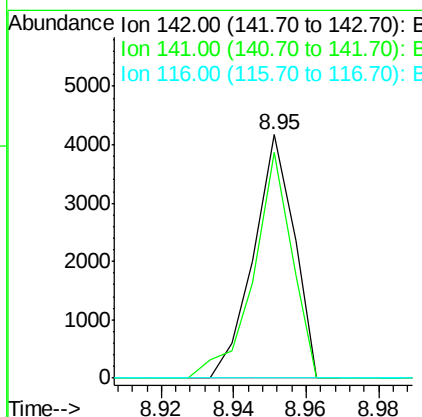
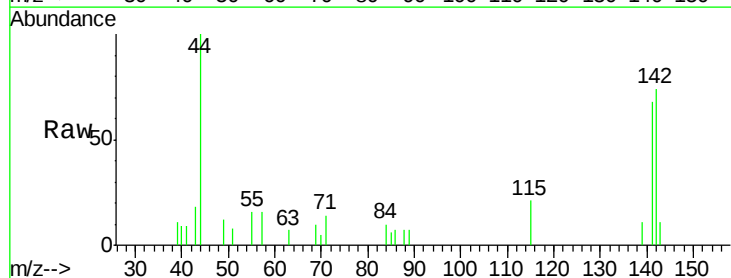
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MK-031220-0-2-COMP-B2

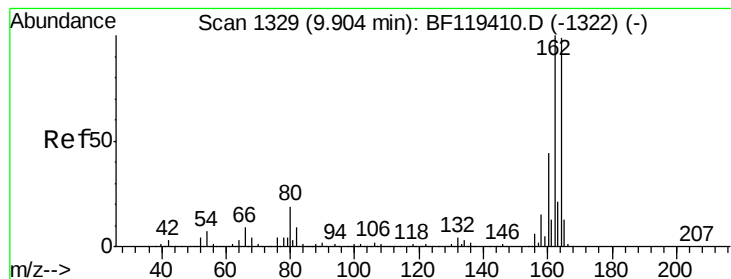
Tgt Ion:142 Resp: 5181  
 Ion Ratio Lower Upper  
 142 100  
 141 84.5 70.4 105.6  
 115 36.9 27.8 41.6



#38  
 1-Methylnaphthalene  
 Concen: 0.07 ng  
 RT: 8.95 min Scan# 1167  
 Delta R.T. -0.01 min  
 Lab File: BF119431.D  
 Acq: 18 Mar 2020 22:53

Tgt Ion:142 Resp: 3222  
 Ion Ratio Lower Upper  
 142 100  
 141 92.5 73.1 109.7  
 116 0.0 3.0 4.6#





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF119431.D

Acq: 18 Mar 2020 22:53

Instrument :

BNA\_F

ClientSampleId :

MK-031220-0-2-COMP-B2

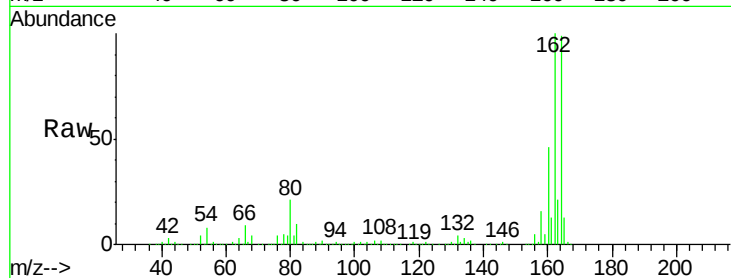
Tgt Ion:164 Resp: 665298

Ion Ratio Lower Upper

164 100

162 100.5 80.7 121.1

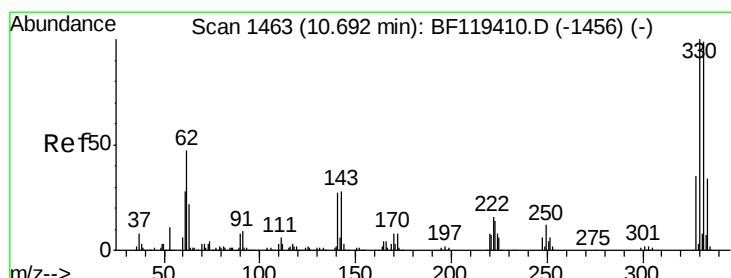
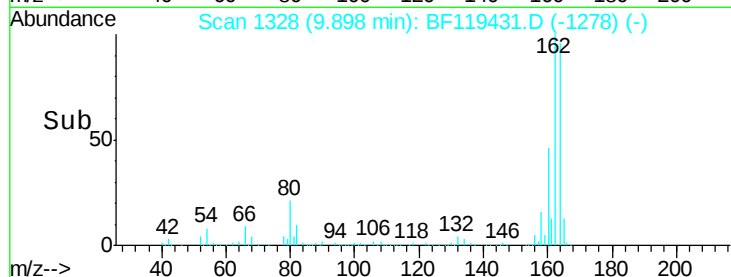
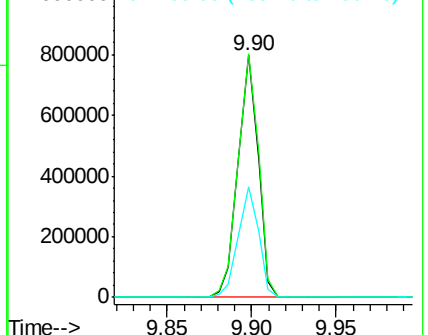
160 45.9 35.5 53.3



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



#42

2,4,6-Tribromophenol

Concen: 71.63 ng

RT: 10.69 min Scan# 1462

Delta R.T. -0.01 min

Lab File: BF119431.D

Acq: 18 Mar 2020 22:53

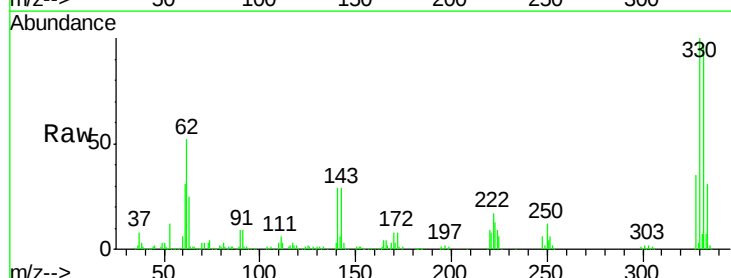
Tgt Ion:330 Resp: 491612

Ion Ratio Lower Upper

330 100

332 96.9 77.6 116.4

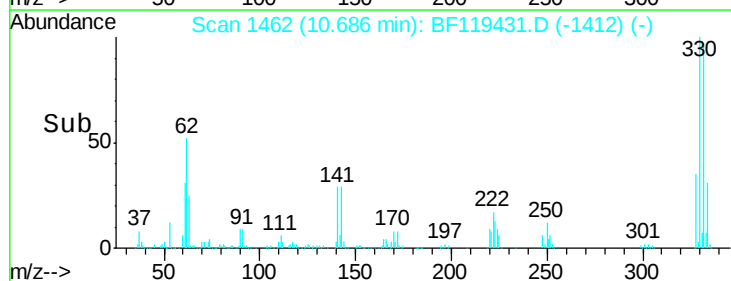
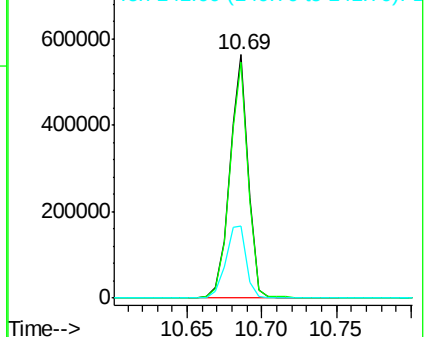
141 33.4 26.6 40.0

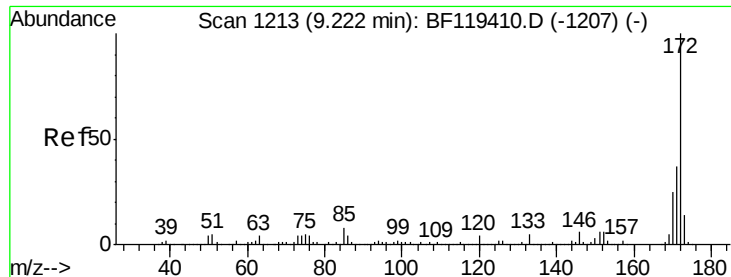


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

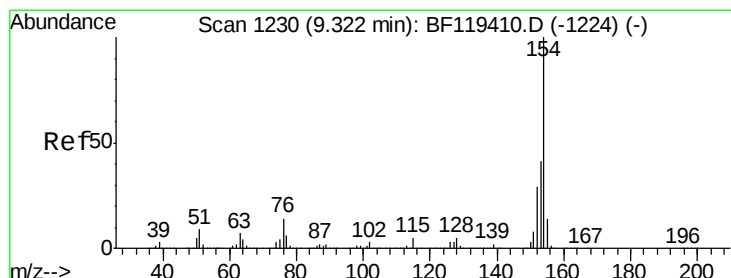
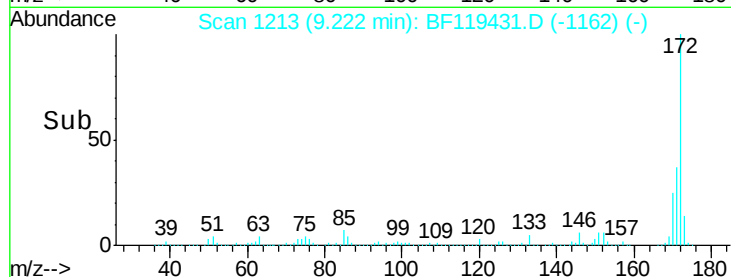
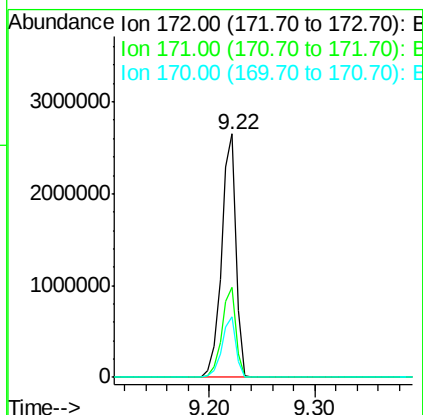
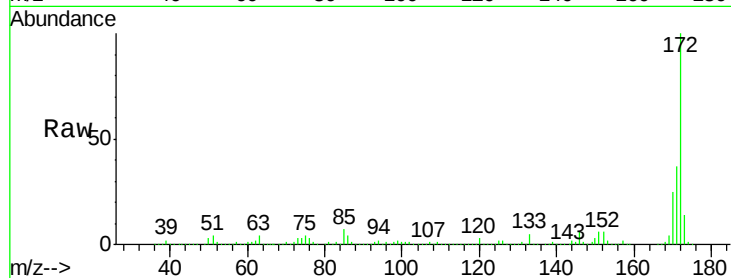




#45  
2-Fluorobiphenyl  
Concen: 56.43 ng  
RT: 9.22 min Scan# 1213  
Delta R.T. -0.00 min  
Lab File: BF119431.D  
Acq: 18 Mar 2020 22:53

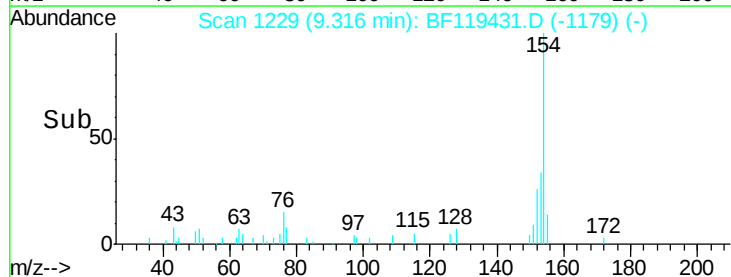
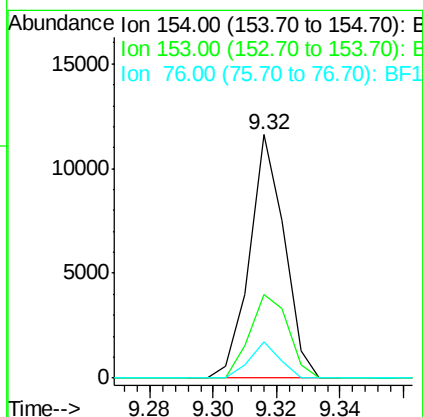
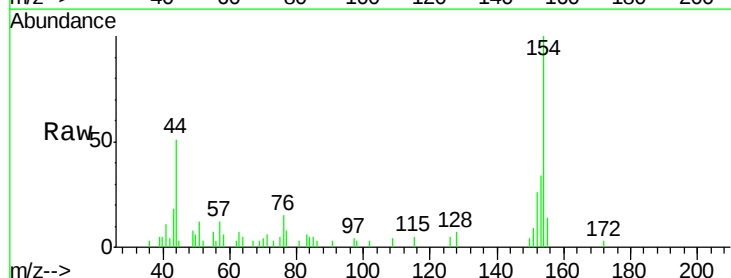
Instrument :  
BNA\_F  
ClientSampleId :  
MK-031220-0-2-COMP-B2

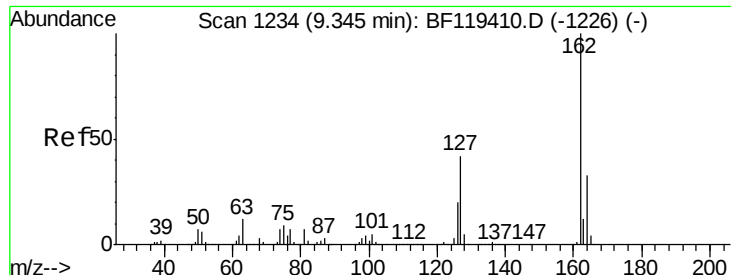
Tgt Ion:172 Resp: 2534168  
Ion Ratio Lower Upper  
172 100  
171 36.8 29.9 44.9  
170 24.7 20.1 30.1



#46  
1,1'-Biphenyl  
Concen: 0.16 ng  
RT: 9.32 min Scan# 1229  
Delta R.T. -0.01 min  
Lab File: BF119431.D  
Acq: 18 Mar 2020 22:53

Tgt Ion:154 Resp: 8838  
Ion Ratio Lower Upper  
154 100  
153 34.2 21.4 61.4  
76 14.9 0.0 33.6

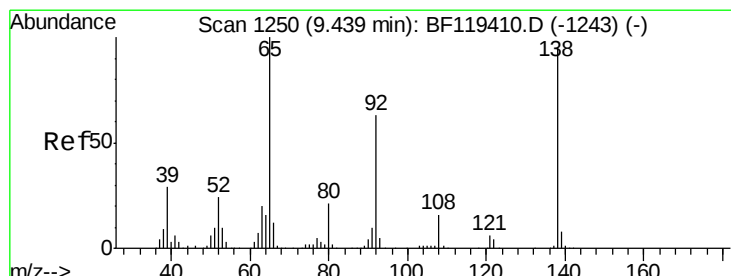
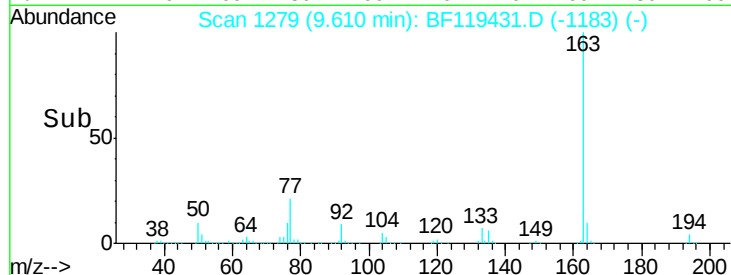
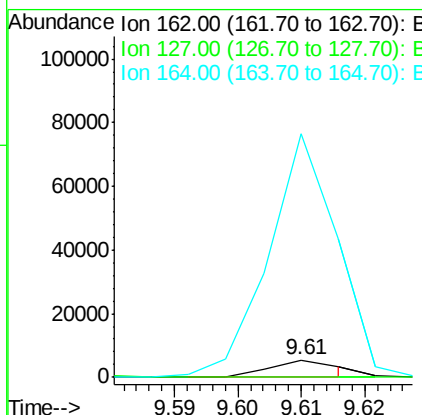
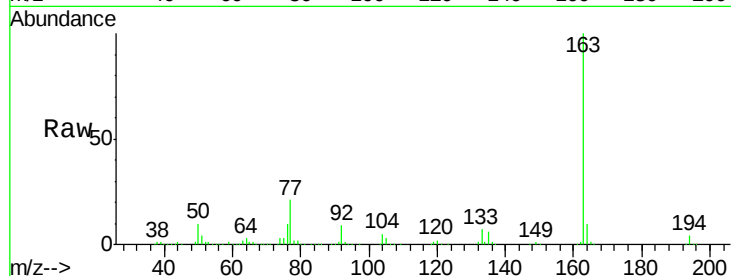




#47  
 2-Chloronaphthalene  
 Concen: 0.09 ng  
 RT: 9.61 min Scan# 1279  
 Delta R.T. 0.26 min  
 Lab File: BF119431.D  
 Acq: 18 Mar 2020 22:53

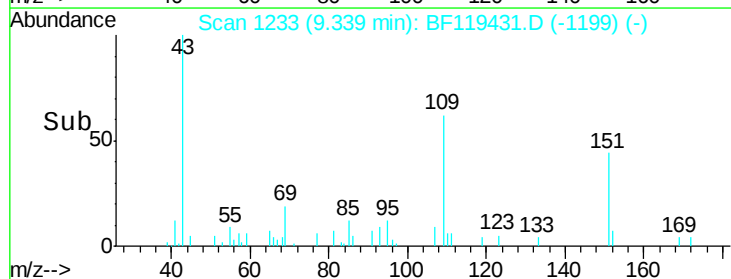
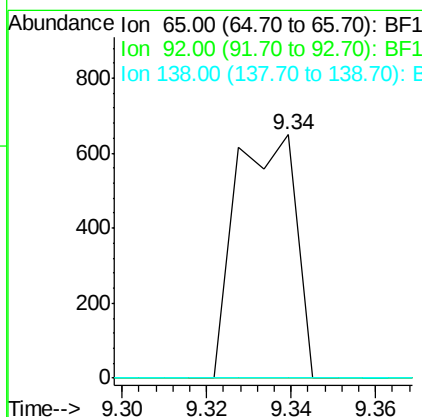
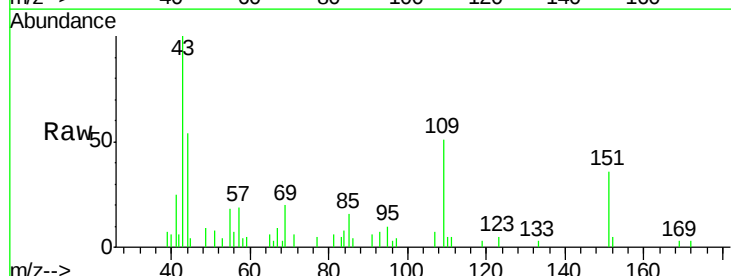
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MK-031220-0-2-COMP-B2

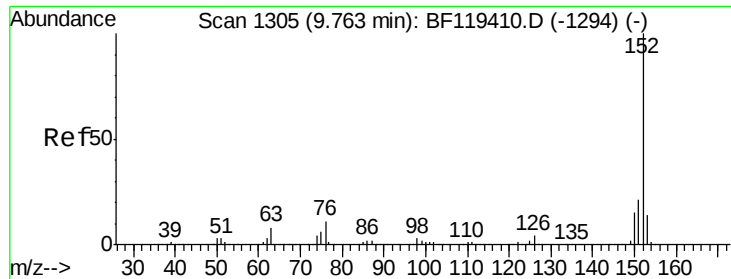
Tgt Ion: 162 Resp: 3984  
 Ion Ratio Lower Upper  
 162 100  
 127 0.0 33.7 50.5#  
 164 1397.6 26.2 39.4#



#48  
 2-Nitroaniline  
 Concen: 0.04 ng  
 RT: 9.34 min Scan# 1233  
 Delta R.T. -0.10 min  
 Lab File: BF119431.D  
 Acq: 18 Mar 2020 22:53

Tgt Ion: 65 Resp: 644  
 Ion Ratio Lower Upper  
 65 100  
 92 0.0 50.5 75.7#  
 138 0.0 75.8 113.8#





#49

Acenaphthylene

Concen: 0.09 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF119431.D

Acq: 18 Mar 2020 22:53

Instrument :

BNA\_F

ClientSampleId :

MK-031220-0-2-COMP-B2

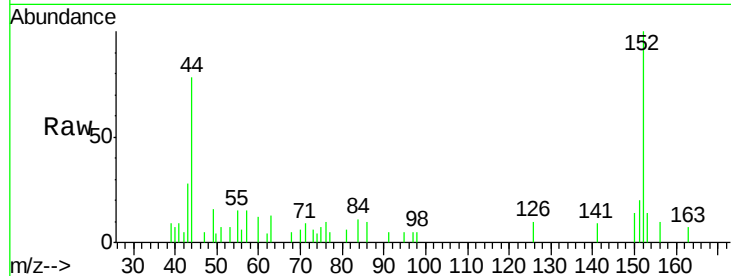
Tgt Ion:152 Resp: 6204

Ion Ratio Lower Upper

152 100

151 20.1 16.8 25.2

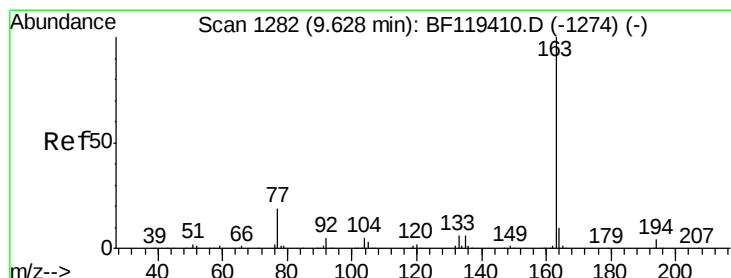
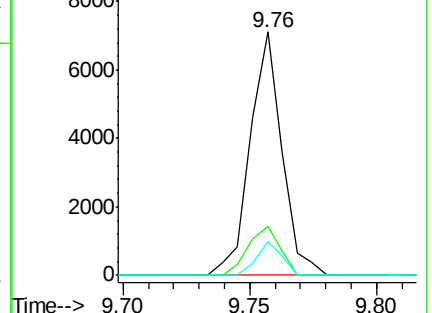
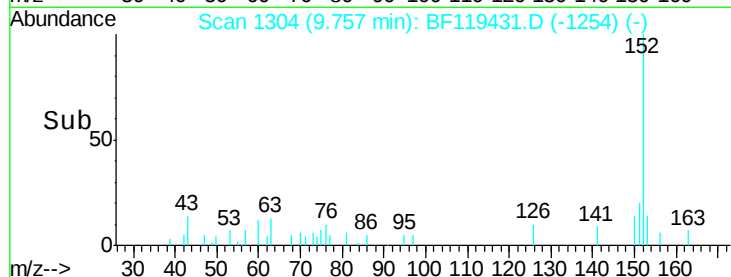
153 14.0 11.2 16.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 12.05 ng

RT: 9.61 min Scan# 1279

Delta R.T. -0.02 min

Lab File: BF119431.D

Acq: 18 Mar 2020 22:53

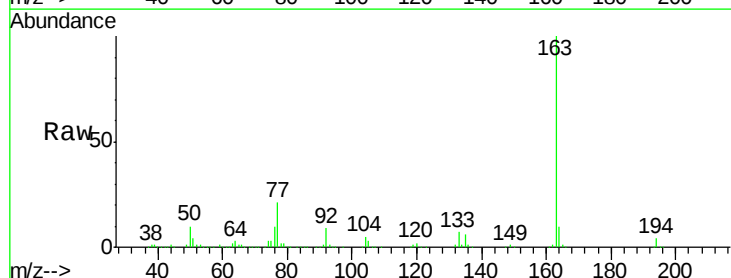
Tgt Ion:163 Resp: 569372

Ion Ratio Lower Upper

163 100

194 3.5 3.2 4.8

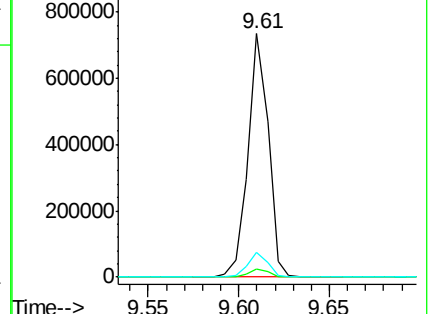
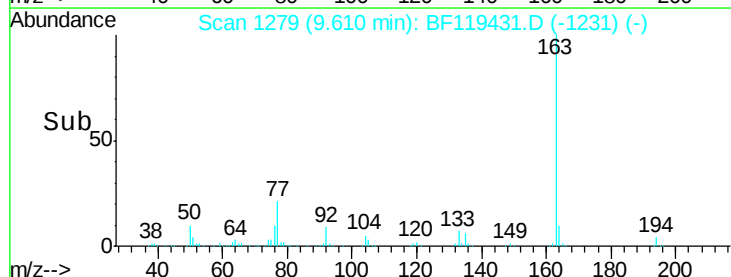
164 10.4 8.1 12.1

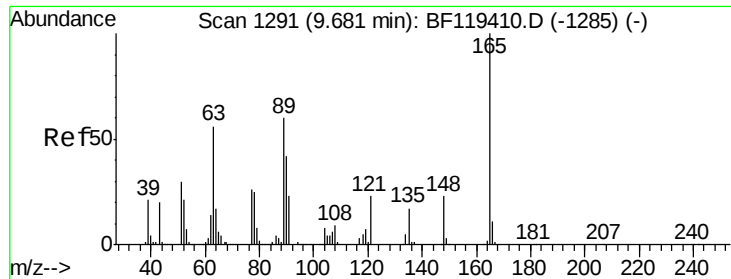


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 0.63 ng

RT: 9.61 min Scan# 1279

Delta R.T. -0.07 min

Lab File: BF119431.D

Acq: 18 Mar 2020 22:53

Instrument :

BNA\_F

ClientSampleId :

MK-031220-0-2-COMP-B2

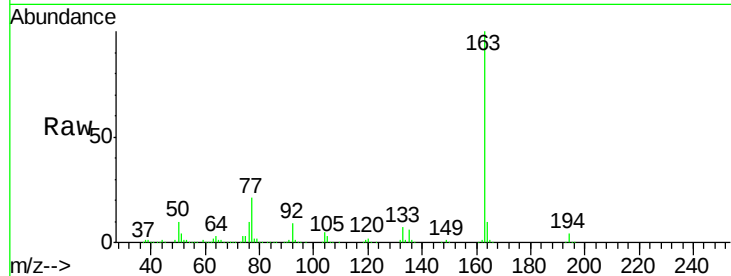
Tgt Ion:165 Resp: 6353

Ion Ratio Lower Upper

165 100

63 182.1 57.3 85.9#

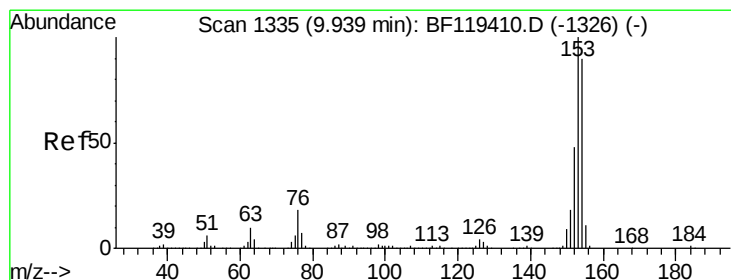
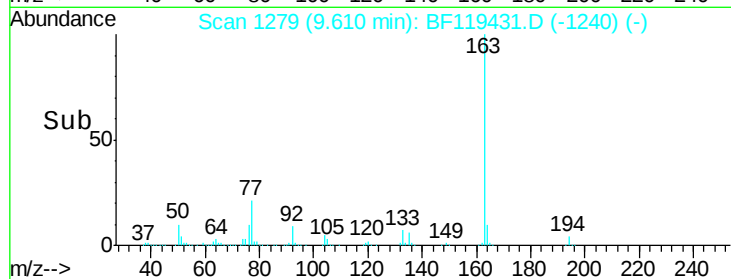
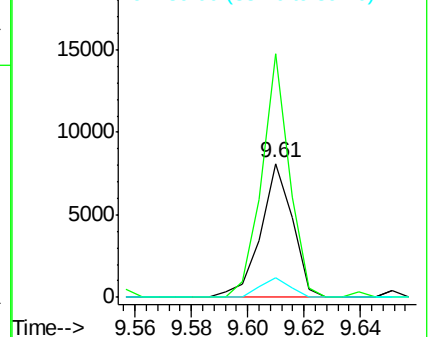
89 14.2 47.8 71.8#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#52

Acenaphthene

Concen: 0.05 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF119431.D

Acq: 18 Mar 2020 22:53

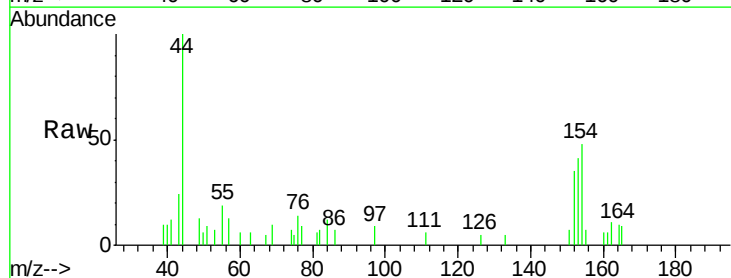
Tgt Ion:154 Resp: 1946

Ion Ratio Lower Upper

154 100

153 85.6 89.0 133.6#

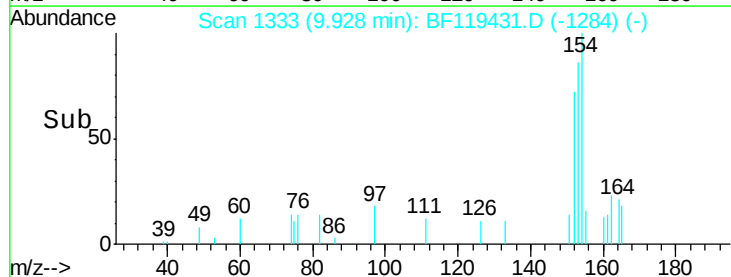
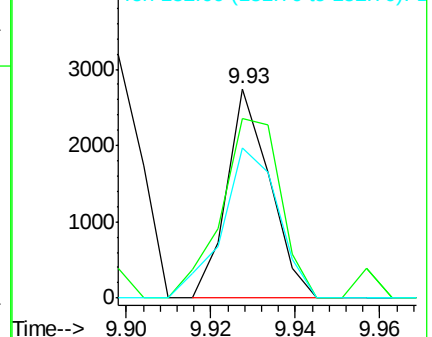
152 71.8 43.1 64.7#

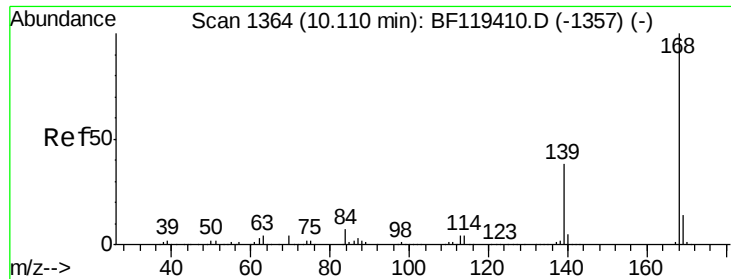


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

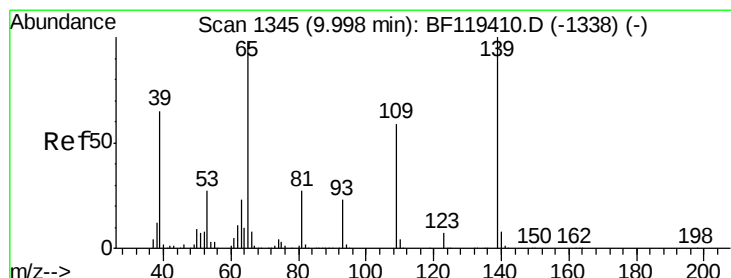
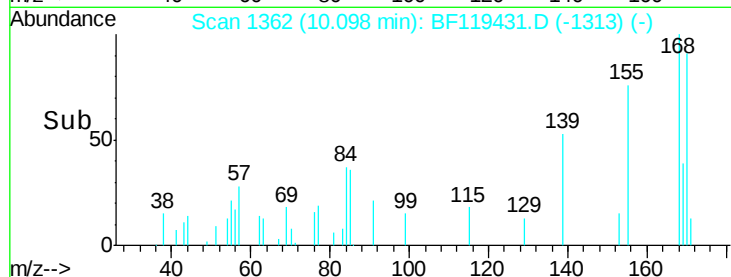
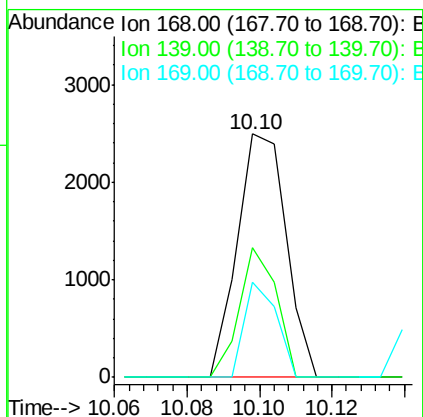
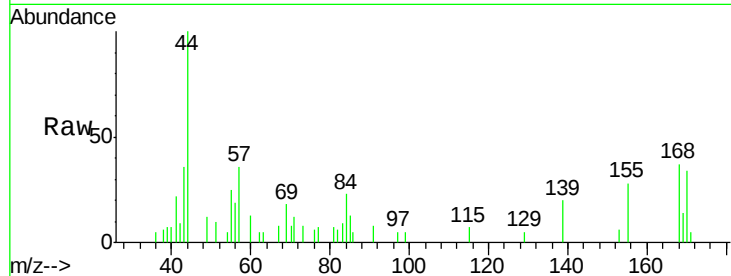




#55  
Dibenzofuran  
Concen: 0.04 ng  
RT: 10.10 min Scan# 1362  
Delta R.T. -0.01 min  
Lab File: BF119431.D  
Acq: 18 Mar 2020 22:53

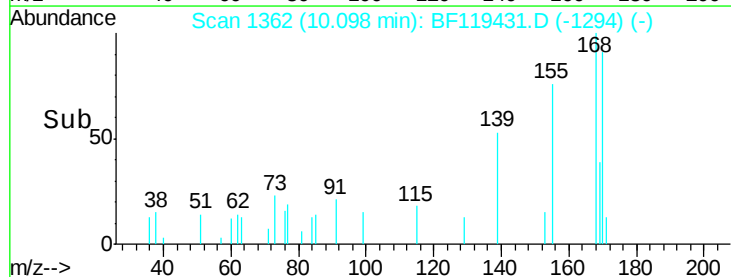
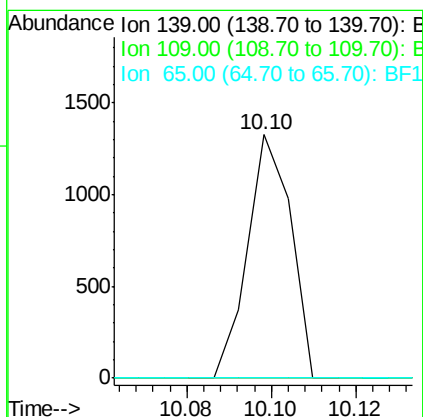
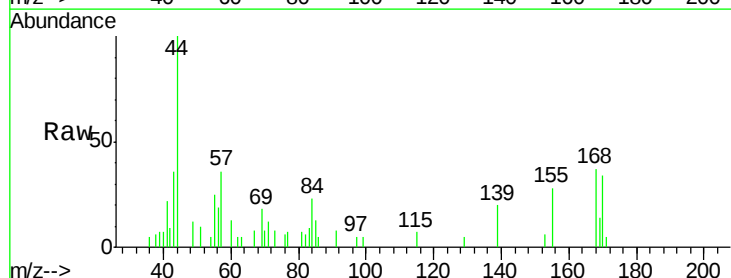
Instrument :  
BNA\_F  
ClientSampleId :  
MK-031220-0-2-COMP-B2

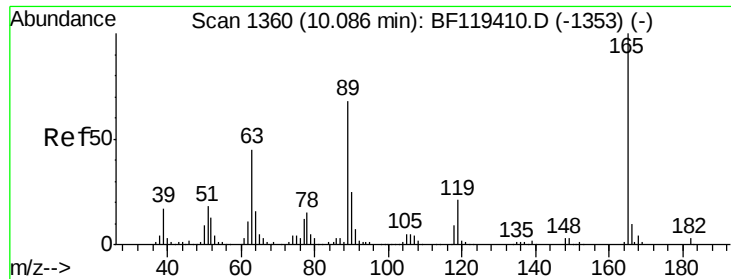
Tgt Ion:168 Resp: 2331  
Ion Ratio Lower Upper  
168 100  
139 53.2 30.2 45.4#  
169 38.8 11.1 16.7#



#56  
4-Nitrophenol  
Concen: 0.09 ng  
RT: 10.10 min Scan# 1362  
Delta R.T. 0.10 min  
Lab File: BF119431.D  
Acq: 18 Mar 2020 22:53

Tgt Ion:139 Resp: 945  
Ion Ratio Lower Upper  
139 100  
109 0.0 39.6 79.6#  
65 0.0 78.3 118.3#

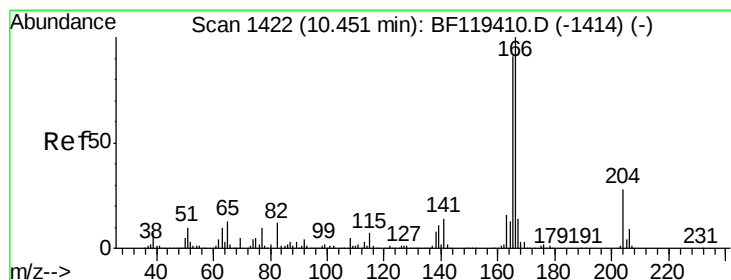
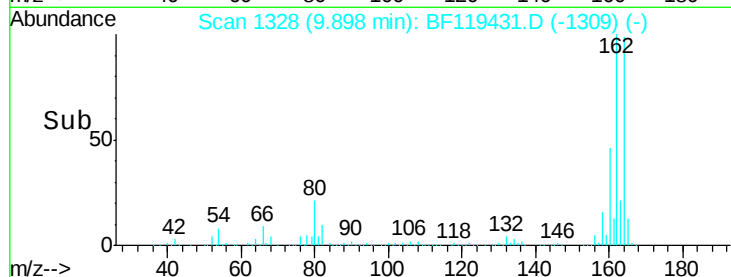
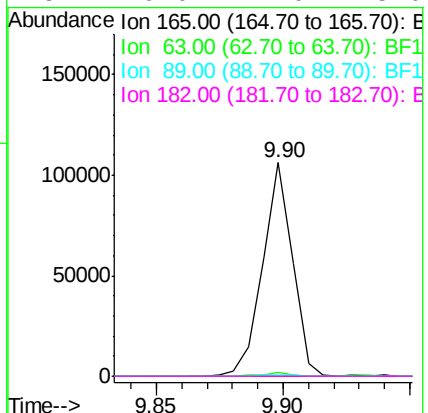
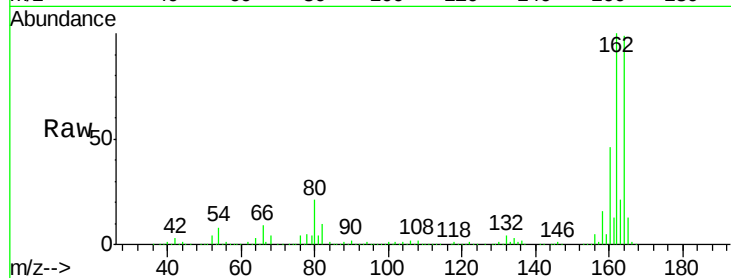




#57  
2,4-Dinitrotoluene  
Concen: 6.80 ng  
RT: 9.90 min Scan# 1328  
Delta R.T. -0.19 min  
Lab File: BF119431.D  
Acq: 18 Mar 2020 22:53

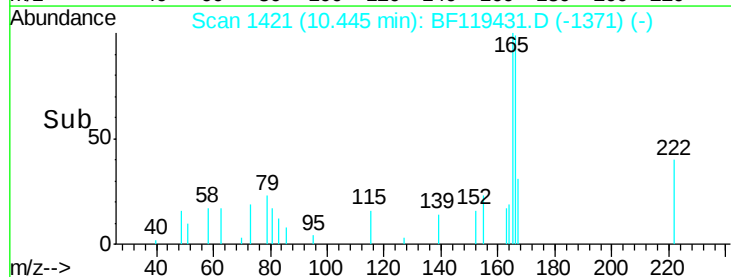
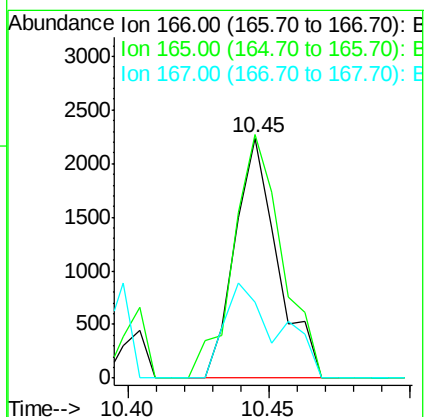
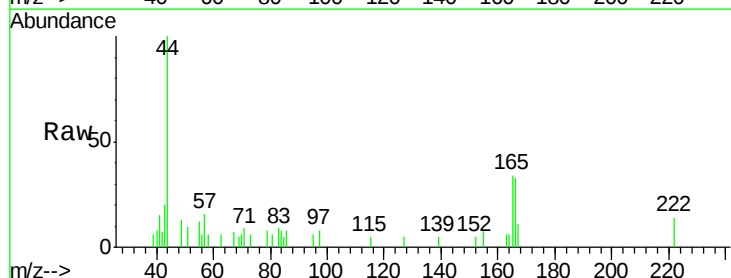
Instrument :  
BNA\_F  
ClientSampleId :  
MK-031220-0-2-COMP-B2

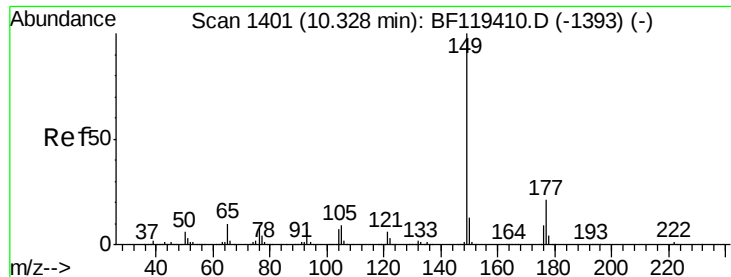
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 165   | Resp: | 86814 |
| Ion      | Ratio | Lower | Upper |
| 165      | 100   |       |       |
| 63       | 1.6   | 36.2  | 54.4# |
| 89       | 0.9   | 54.3  | 81.5# |
| 182      | 0.0   | 2.0   | 3.0#  |



#58  
Fluorene  
Concen: 0.05 ng  
RT: 10.45 min Scan# 1421  
Delta R.T. -0.01 min  
Lab File: BF119431.D  
Acq: 18 Mar 2020 22:53

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 166   | Resp: | 2343  |
| Ion      | Ratio | Lower | Upper |
| 166      | 100   |       |       |
| 165      | 101.4 | 73.1  | 109.7 |
| 167      | 31.6  | 11.0  | 16.6# |





#60

Diethylphthalate

Concen: 0.02 ng

RT: 10.32 min Scan# 1399

Delta R.T. -0.01 min

Lab File: BF119431.D

Acq: 18 Mar 2020 22:53

Instrument :

BNA\_F

ClientSampleId :

MK-031220-0-2-COMP-B2

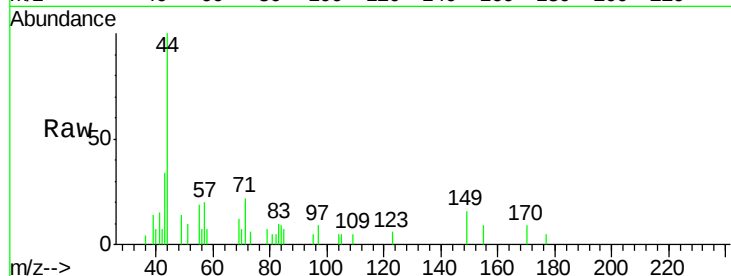
Tgt Ion:149 Resp: 837

Ion Ratio Lower Upper

149 100

177 32.7 17.0 25.6#

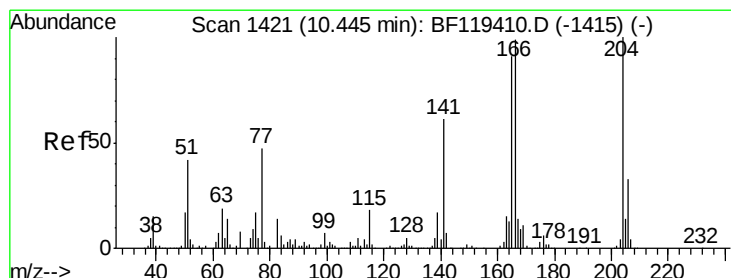
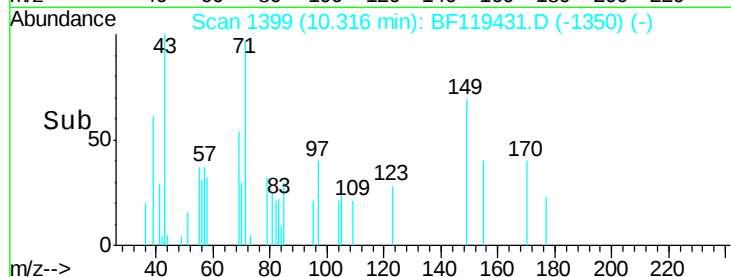
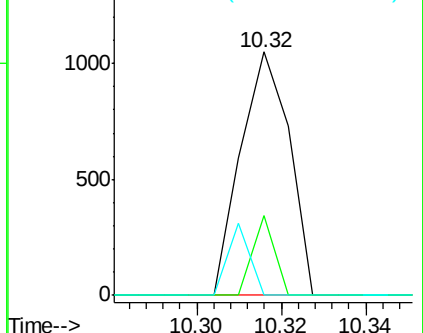
150 0.0 10.2 15.4#



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: 0.03 ng

RT: 10.24 min Scan# 1386

Delta R.T. -0.21 min

Lab File: BF119431.D

Acq: 18 Mar 2020 22:53

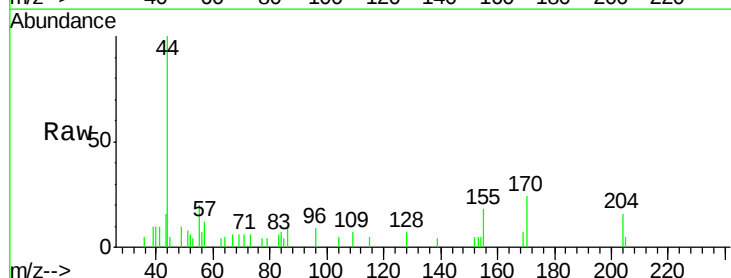
Tgt Ion:204 Resp: 618

Ion Ratio Lower Upper

204 100

206 0.0 26.7 40.1#

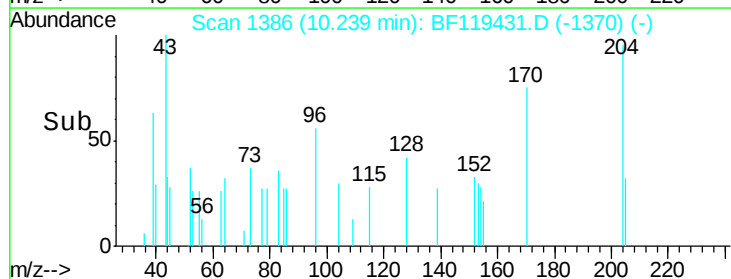
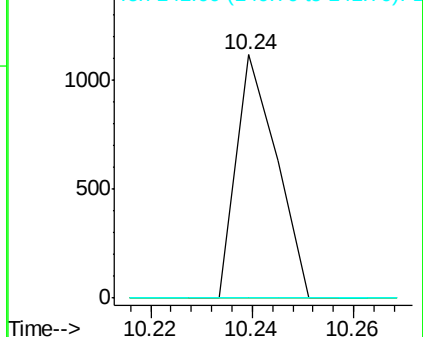
141 0.0 48.8 73.2#

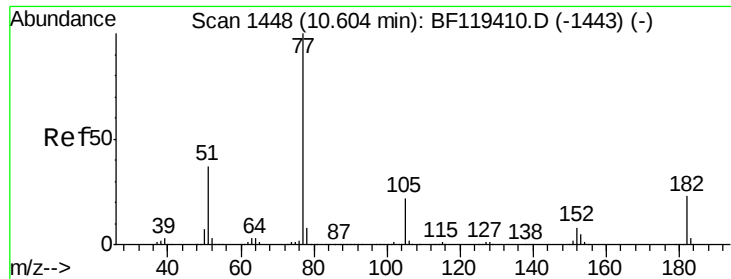


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#63

Azobenzene

Concen: 0.01 ng

RT: 10.60 min Scan# 1447

Delta R.T. -0.01 min

Lab File: BF119431.D

Acq: 18 Mar 2020 22:53

Instrument :

BNA\_F

ClientSampleId :

MK-031220-0-2-COMP-B2

Tgt Ion: 77 Resp: 417

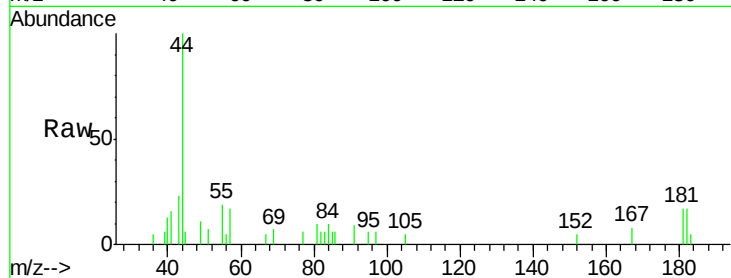
Ion Ratio Lower Upper

77 100

182 272.0 2.5 42.5#

105 83.3 2.5 42.5#

51 118.9 17.1 57.1#

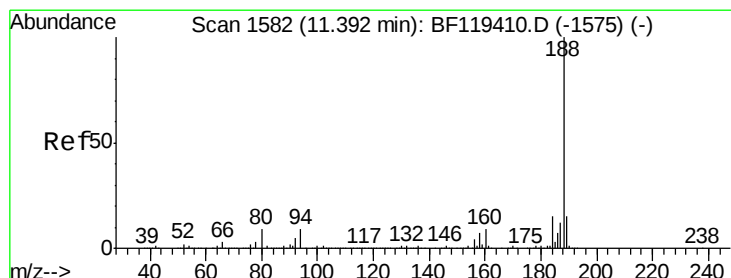
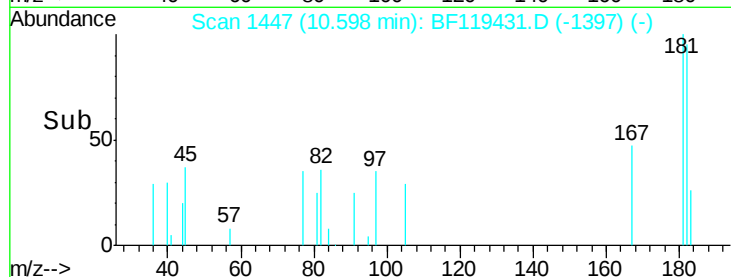
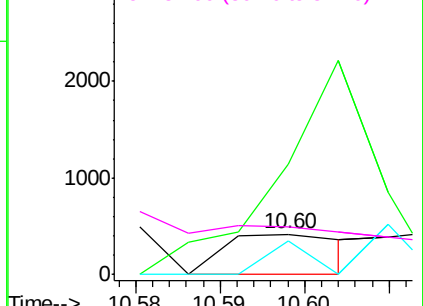


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF119431.D

Acq: 18 Mar 2020 22:53

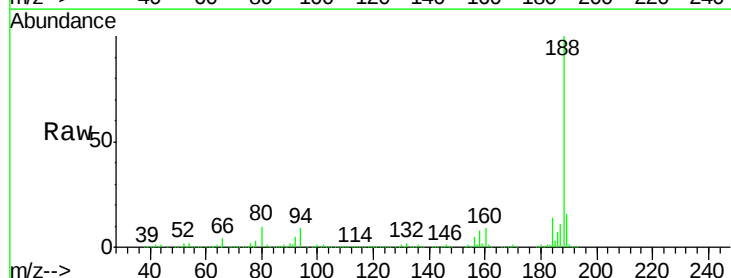
Tgt Ion: 188 Resp: 1155824

Ion Ratio Lower Upper

188 100

94 9.1 7.1 10.7

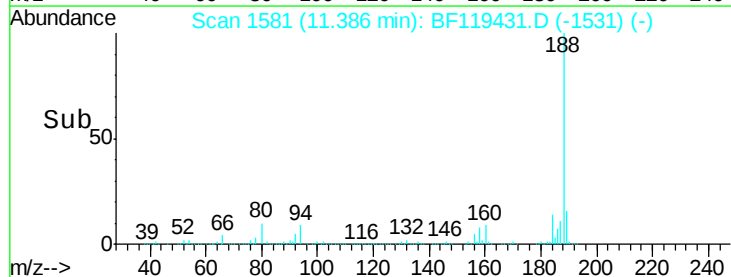
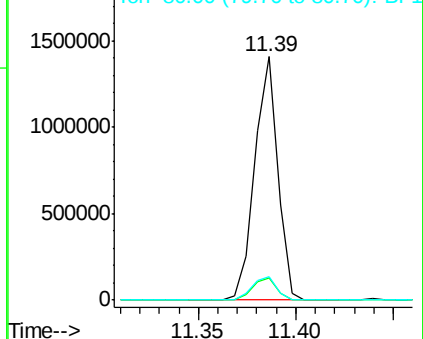
80 9.9 7.5 11.3

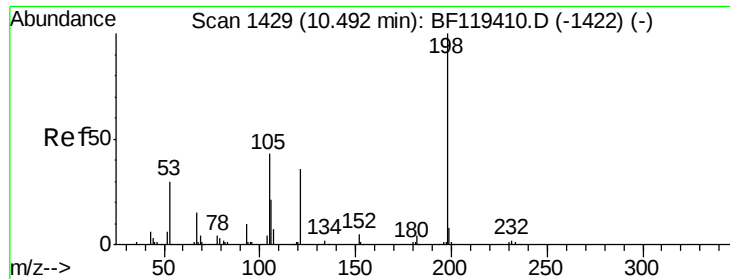


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

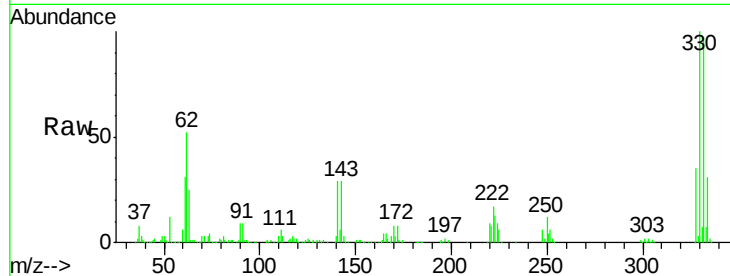




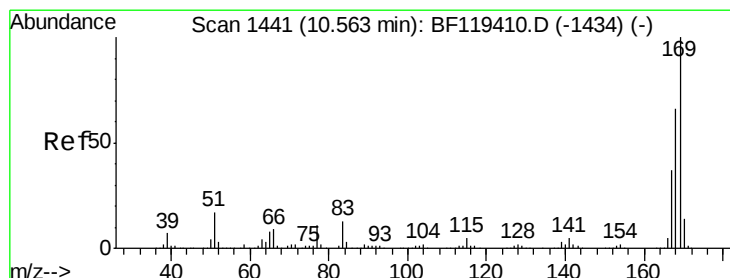
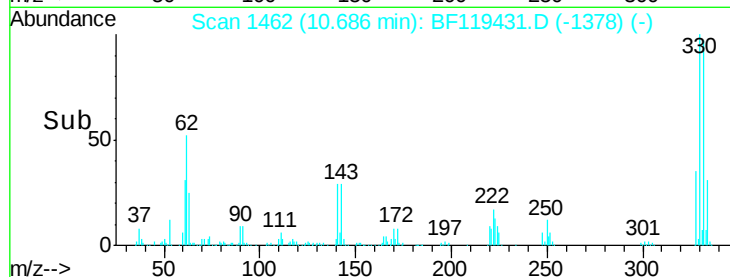
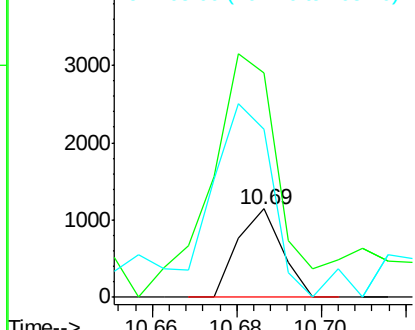
#65  
 4,6-Dinitro-2-methylphenol  
 Concen: 0.17 ng  
 RT: 10.69 min Scan# 1462  
 Delta R.T. 0.19 min  
 Lab File: BF119431.D  
 Acq: 18 Mar 2020 22:53

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MK-031220-0-2-COMP-B2

Tgt Ion:198 Resp: 834  
 Ion Ratio Lower Upper  
 198 100  
 51 255.0 33.1 73.1#  
 105 191.4 24.1 64.1#

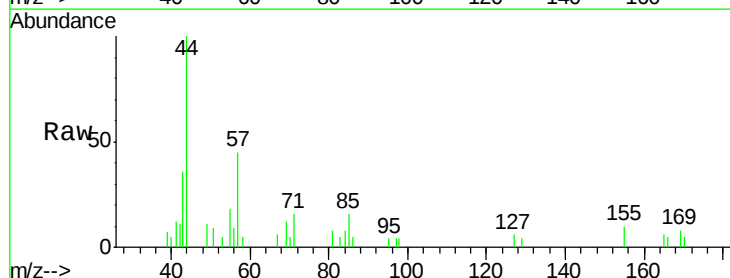


Abundance Ion 198.00 (197.70 to 198.70): E  
 Ion 51.00 (50.70 to 51.70): BF1  
 Ion 105.00 (104.70 to 105.70): E

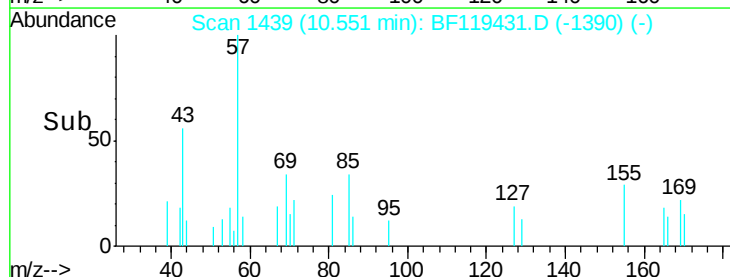
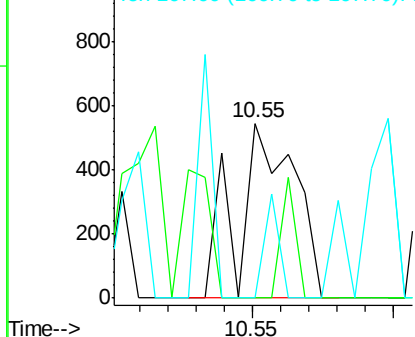


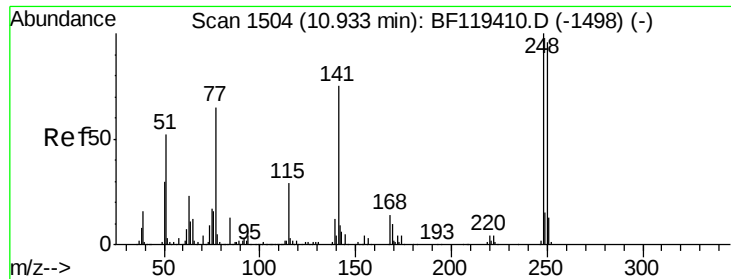
#66  
 n-Nitrosodiphenylamine  
 Concen: 0.02 ng  
 RT: 10.55 min Scan# 1439  
 Delta R.T. -0.01 min  
 Lab File: BF119431.D  
 Acq: 18 Mar 2020 22:53

Tgt Ion:169 Resp: 763  
 Ion Ratio Lower Upper  
 169 100  
 168 0.0 52.7 79.1#  
 167 0.0 29.3 43.9#



Abundance Ion 169.00 (168.70 to 169.70): E  
 Ion 168.00 (167.70 to 168.70): E  
 Ion 167.00 (166.70 to 167.70): E

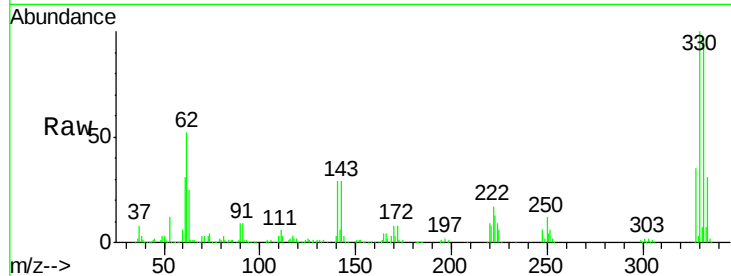




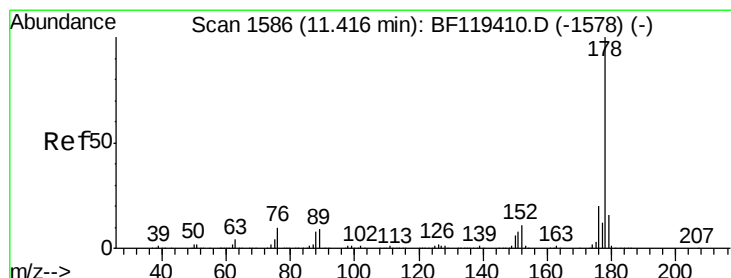
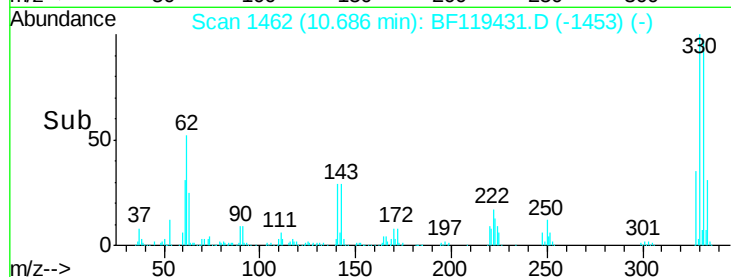
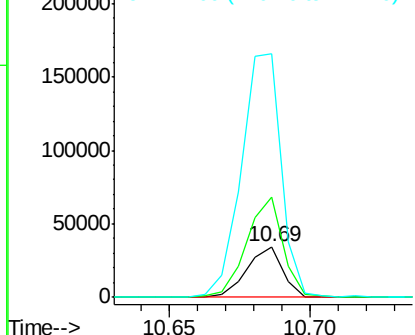
#67  
 4-Bromophenyl-phenylether  
 Concen: 2.29 ng  
 RT: 10.69 min Scan# 1462  
 Delta R.T. -0.25 min  
 Lab File: BF119431.D  
 Acq: 18 Mar 2020 22:53

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MK-031220-0-2-COMP-B2

Tgt Ion: 248 Resp: 30183  
 Ion Ratio Lower Upper  
 248 100  
 250 199.2 77.0 115.6#  
 141 482.2 59.7 89.5#

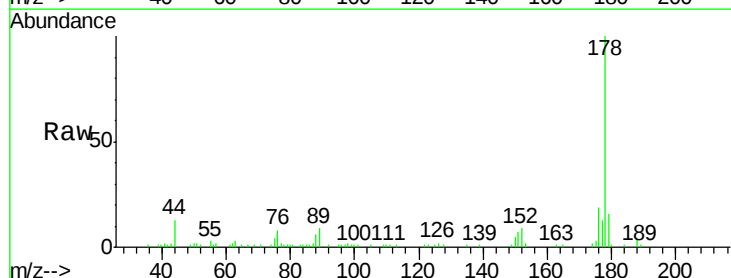


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

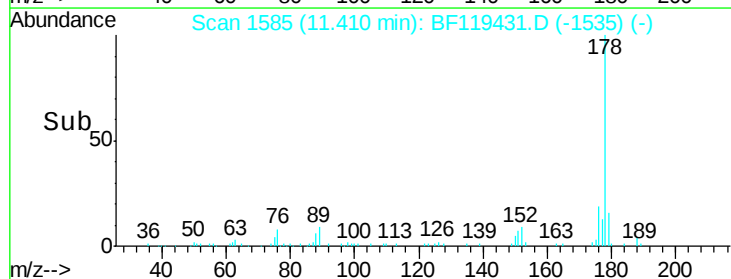
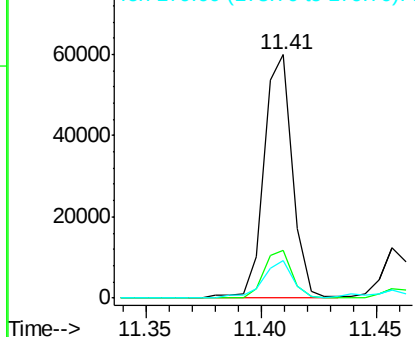


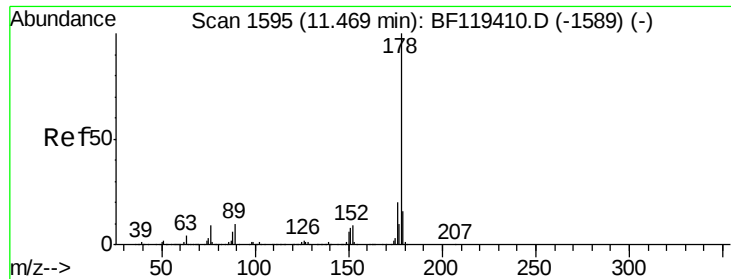
#71  
 Phenanthrene  
 Concen: 0.86 ng  
 RT: 11.41 min Scan# 1585  
 Delta R.T. -0.01 min  
 Lab File: BF119431.D  
 Acq: 18 Mar 2020 22:53

Tgt Ion: 178 Resp: 51375  
 Ion Ratio Lower Upper  
 178 100  
 176 19.4 16.2 24.4  
 179 15.6 12.9 19.3



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

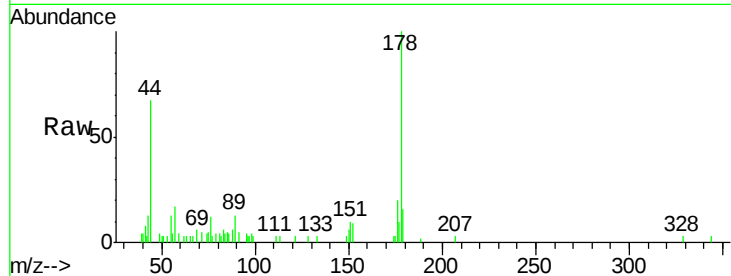




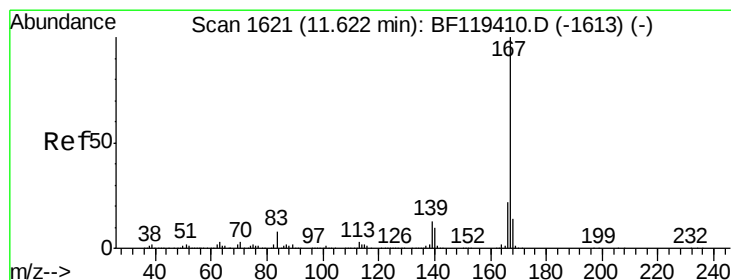
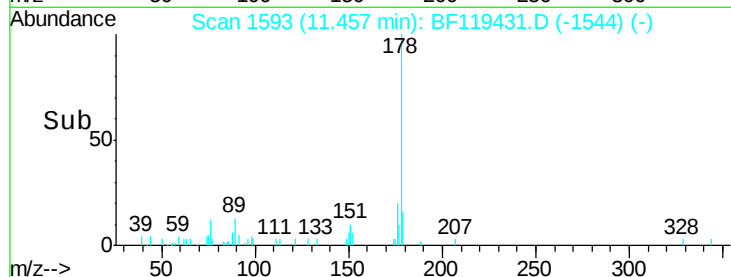
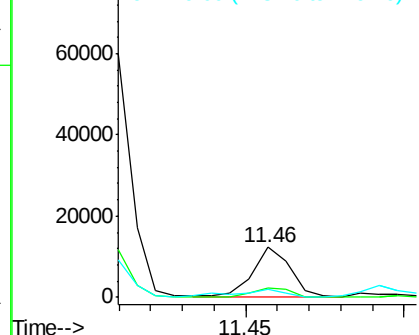
#72  
 Anthracene  
 Concen: 0.17 ng  
 RT: 11.46 min Scan# 1593  
 Delta R.T. -0.01 min  
 Lab File: BF119431.D  
 Acq: 18 Mar 2020 22:53

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MK-031220-0-2-COMP-B2

Tgt Ion:178 Resp: 10453  
 Ion Ratio Lower Upper  
 178 100  
 176 19.5 15.6 23.4  
 179 16.1 13.1 19.7

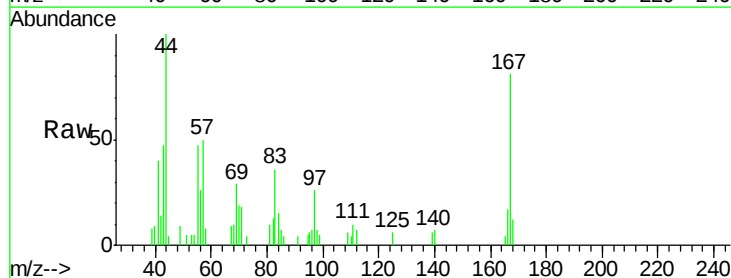


Abundance Ion 178.00 (177.70 to 178.70): E  
 Ion 176.00 (175.70 to 176.70): E  
 Ion 179.00 (178.70 to 179.70): E

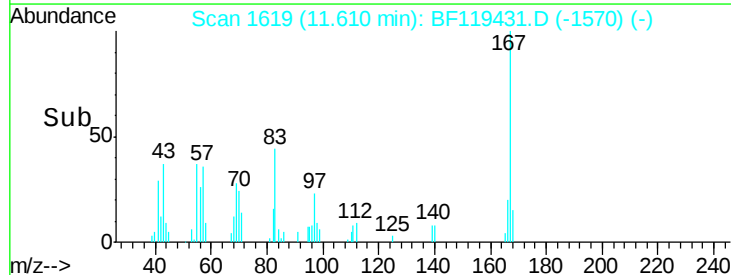
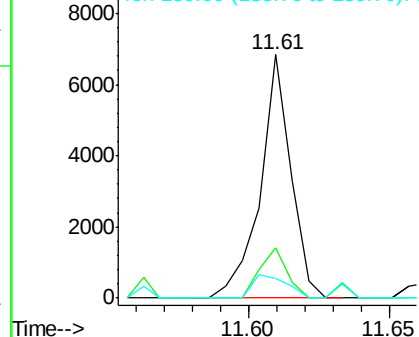


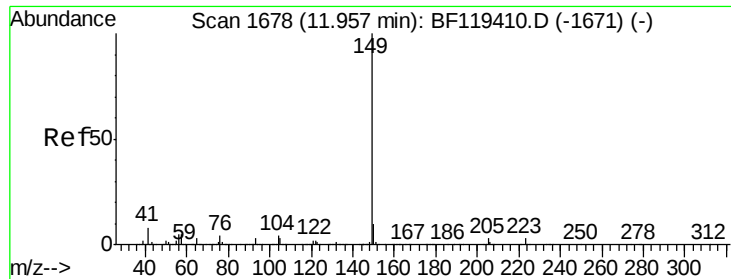
#73  
 Carbazole  
 Concen: 0.09 ng  
 RT: 11.61 min Scan# 1619  
 Delta R.T. -0.01 min  
 Lab File: BF119431.D  
 Acq: 18 Mar 2020 22:53

Tgt Ion:167 Resp: 5135  
 Ion Ratio Lower Upper  
 167 100  
 166 20.5 17.8 26.6  
 139 7.9 10.2 15.4#



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

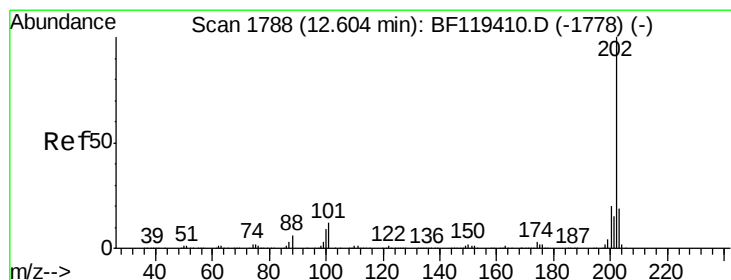
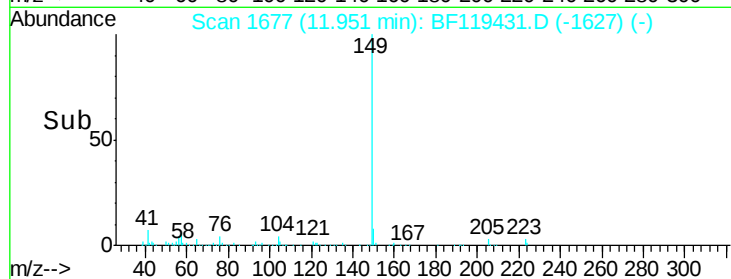
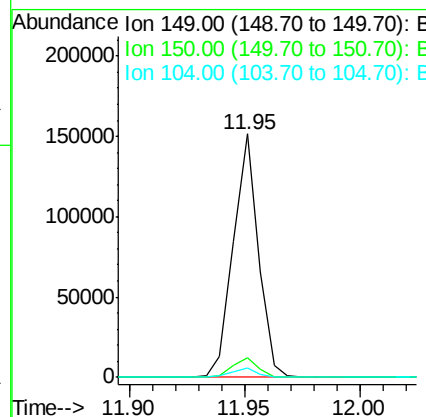
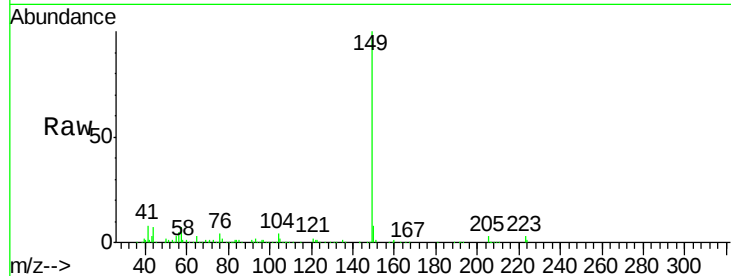




#74  
Di-n-butylphthalate  
Concen: 1.78 ng  
RT: 11.95 min Scan# 1677  
Delta R.T. -0.01 min  
Lab File: BF119431.D  
Acq: 18 Mar 2020 22:53

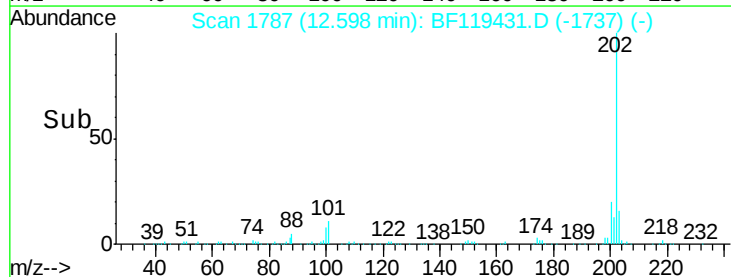
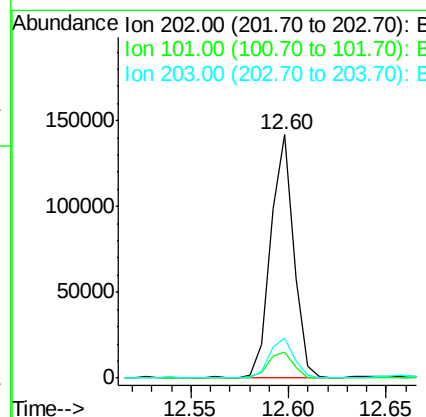
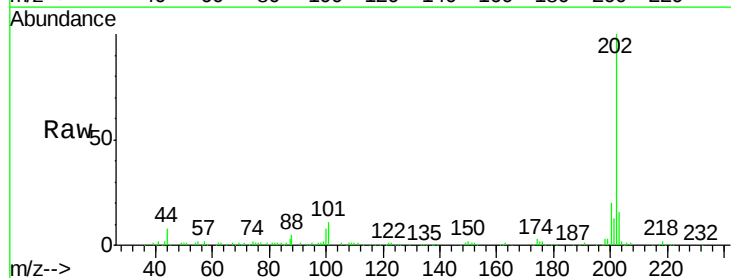
Instrument :  
BNA\_F  
ClientSampleId :  
MK-031220-0-2-COMP-B2

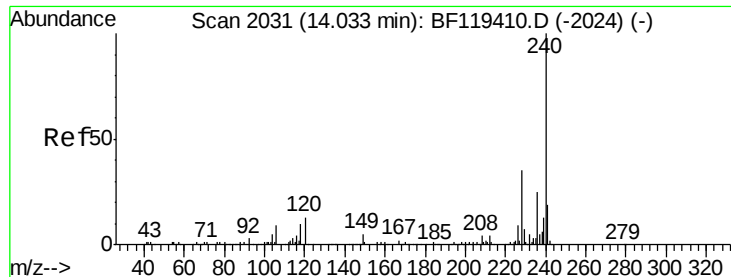
Tgt Ion:149 Resp: 114749  
Ion Ratio Lower Upper  
149 100  
150 7.9 7.6 11.4  
104 3.8 3.5 5.3



#75  
Fluoranthene  
Concen: 1.79 ng  
RT: 12.60 min Scan# 1787  
Delta R.T. -0.01 min  
Lab File: BF119431.D  
Acq: 18 Mar 2020 22:53

Tgt Ion:202 Resp: 116378  
Ion Ratio Lower Upper  
202 100  
101 10.6 0.0 32.4  
203 16.4 0.0 38.5





#76

Chrysene-d12

Concen: 20.00 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF119431.D

Acq: 18 Mar 2020 22:53

Instrument :

BNA\_F

ClientSampleId :

MK-031220-0-2-COMP-B2

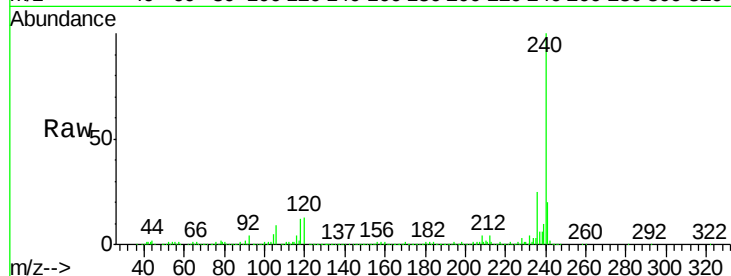
Tgt Ion:240 Resp: 664991

Ion Ratio Lower Upper

240 100

120 13.1 10.2 15.4

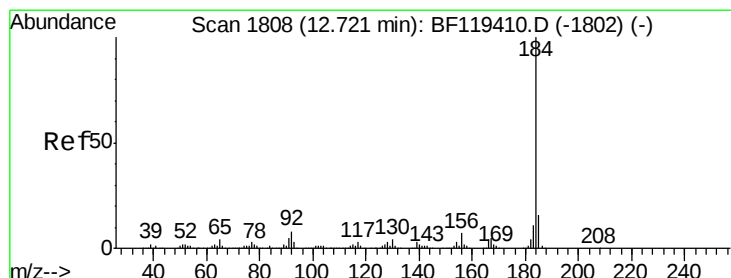
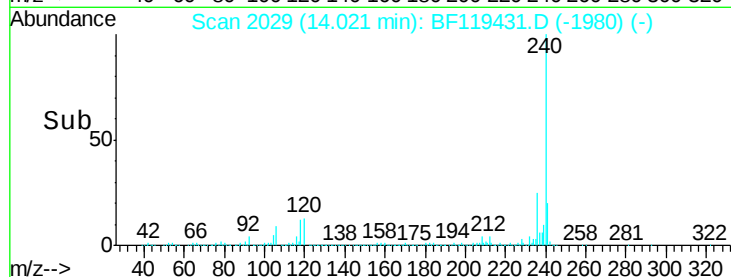
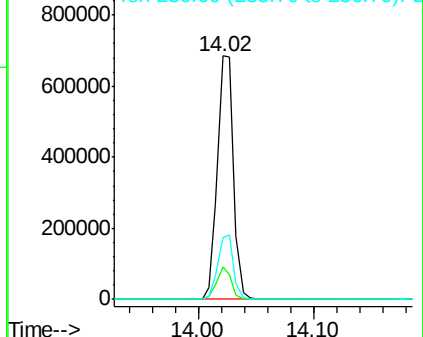
236 25.5 20.4 30.6



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Benzidine

Concen: 0.93 ng

RT: 12.97 min Scan# 1851

Delta R.T. 0.25 min

Lab File: BF119431.D

Acq: 18 Mar 2020 22:53

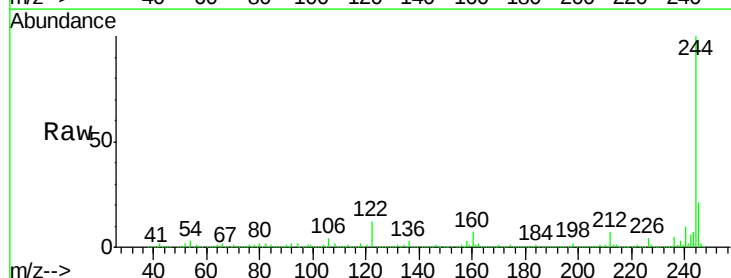
Tgt Ion:184 Resp: 26085

Ion Ratio Lower Upper

184 100

185 13.8 12.9 19.3

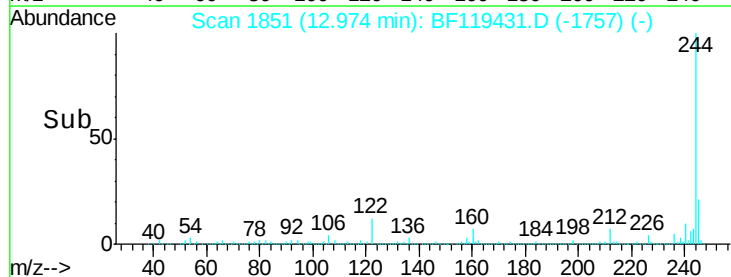
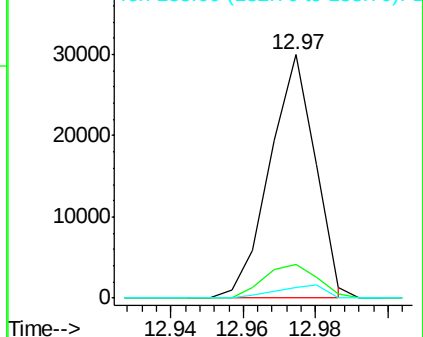
183 4.4 9.0 13.4#

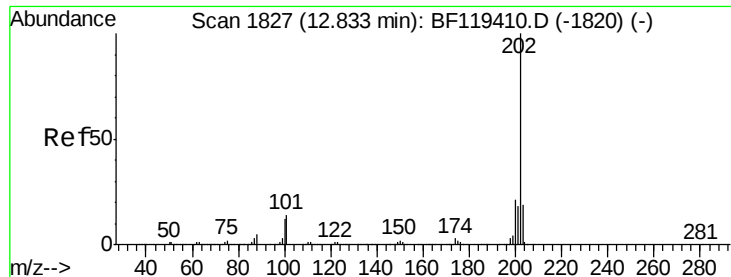


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

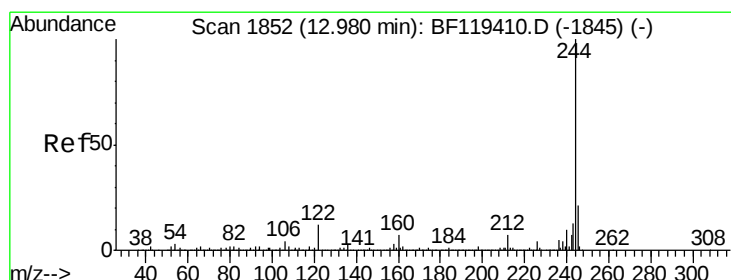
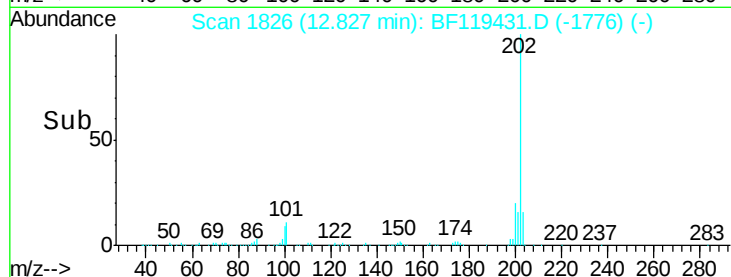
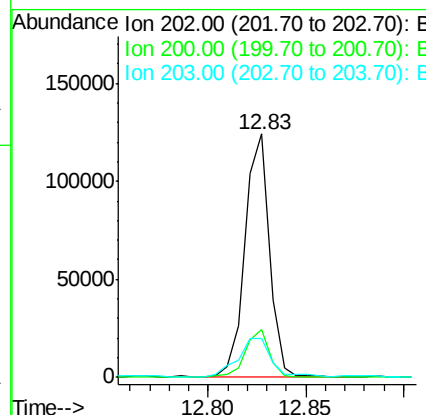
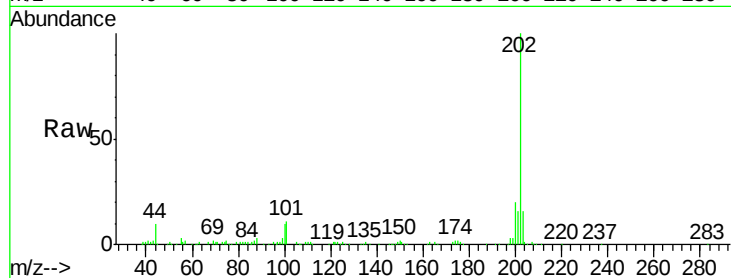




#78  
Pyrene  
Concen: 2.00 ng  
RT: 12.83 min Scan# 1826  
Delta R.T. -0.01 min  
Lab File: BF119431.D  
Acq: 18 Mar 2020 22:53

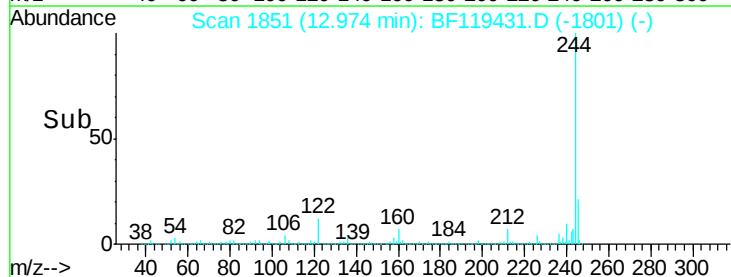
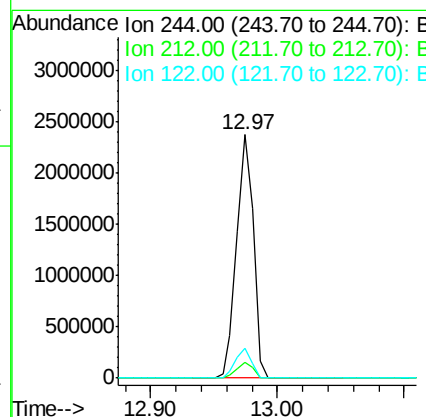
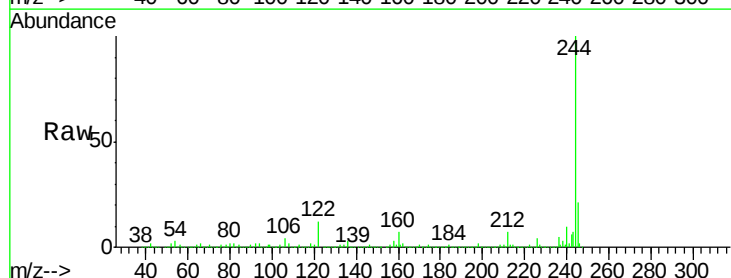
Instrument :  
BNA\_F  
ClientSampleId :  
MK-031220-0-2-COMP-B2

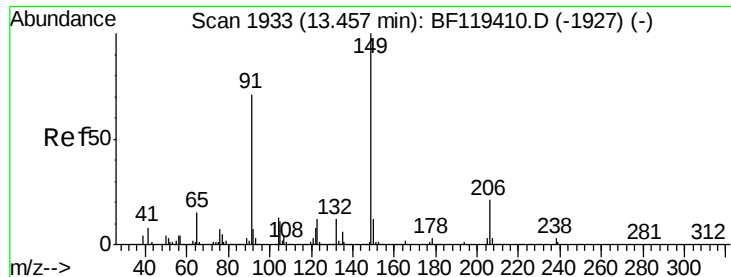
Tgt Ion: 202 Resp: 109102  
Ion Ratio Lower Upper  
202 100  
200 19.7 16.8 25.2  
203 15.9 14.8 22.2



#79  
Terphenyl-d14  
Concen: 63.39 ng  
RT: 12.97 min Scan# 1851  
Delta R.T. -0.01 min  
Lab File: BF119431.D  
Acq: 18 Mar 2020 22:53

Tgt Ion: 244 Resp: 2151702  
Ion Ratio Lower Upper  
244 100  
212 6.6 5.7 8.5  
122 12.4 9.8 14.8

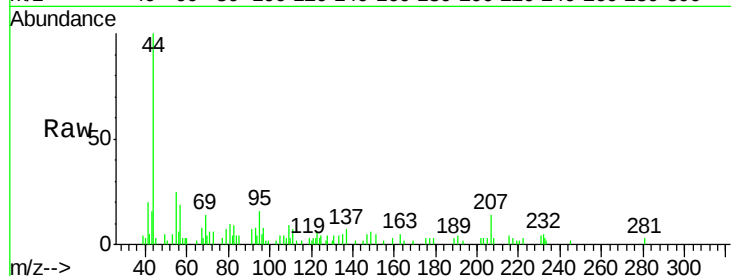




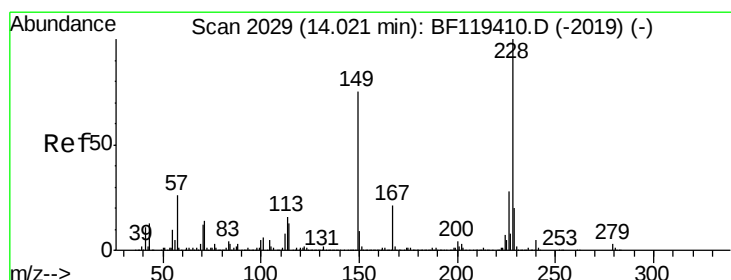
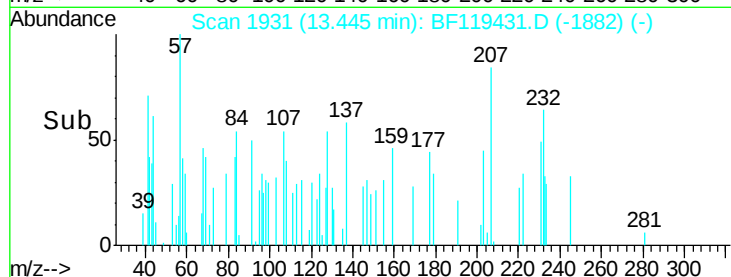
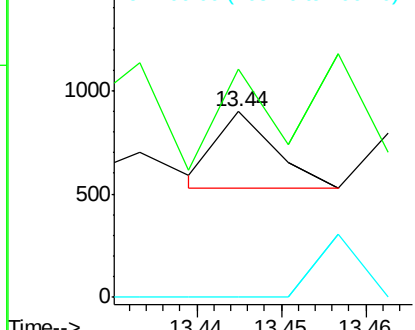
#80  
Butylbenzylphthalate  
Concen: 0.01 ng  
RT: 13.44 min Scan# 1931  
Delta R.T. -0.01 min  
Lab File: BF119431.D  
Acq: 18 Mar 2020 22:53

Instrument :  
BNA\_F  
ClientSampleId :  
MK-031220-0-2-COMP-B2

Tgt Ion:149 Resp: 175  
Ion Ratio Lower Upper  
149 100  
91 122.9 57.0 85.6#  
206 0.0 16.4 24.6#

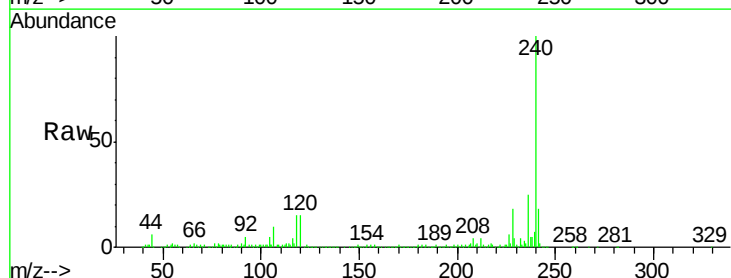


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 91.00 (90.70 to 91.70): BF1  
Ion 206.00 (205.70 to 206.70): E

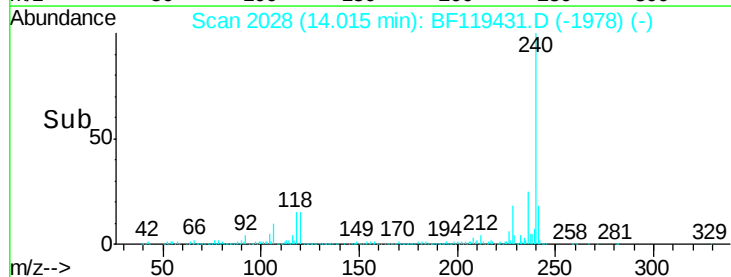
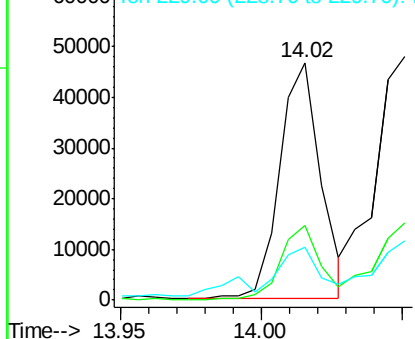


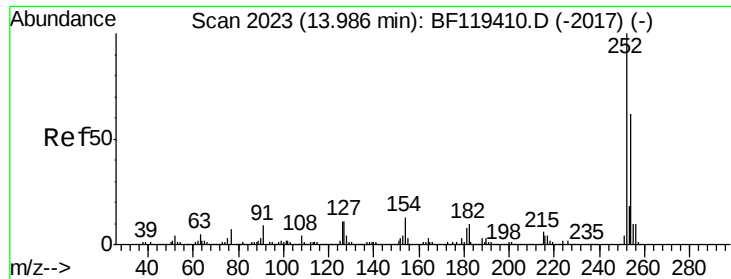
#81  
Benzo(a)anthracene  
Concen: 1.08 ng  
RT: 14.02 min Scan# 2028  
Delta R.T. -0.01 min  
Lab File: BF119431.D  
Acq: 18 Mar 2020 22:53

Tgt Ion:228 Resp: 46725  
Ion Ratio Lower Upper  
228 100  
226 31.4 22.3 33.5  
229 22.1 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E  
Ion 226.00 (225.70 to 226.70): E  
Ion 229.00 (228.70 to 229.70): E

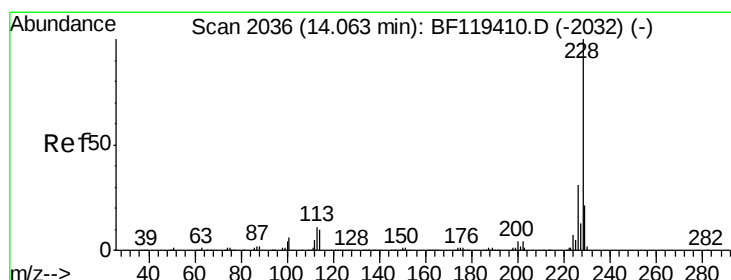
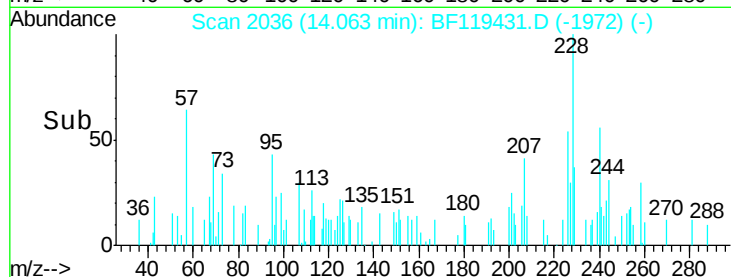
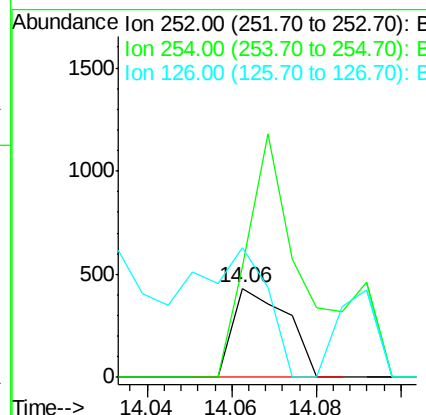
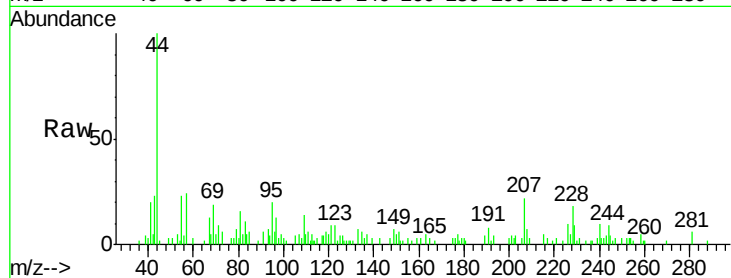




#82  
 3,3'-Dichlorobenzidine  
 Concen: 0.02 ng  
 RT: 14.06 min Scan# 2036  
 Delta R.T. 0.08 min  
 Lab File: BF119431.D  
 Acq: 18 Mar 2020 22:53

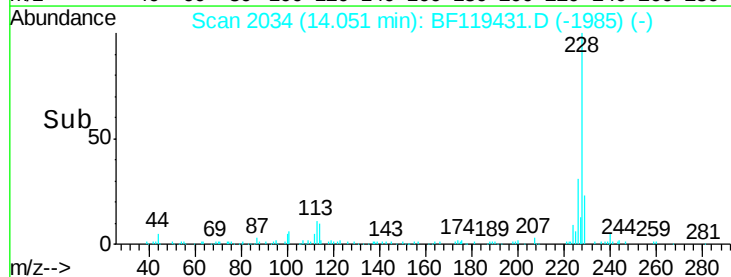
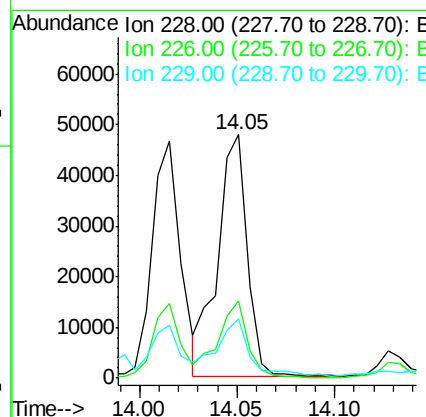
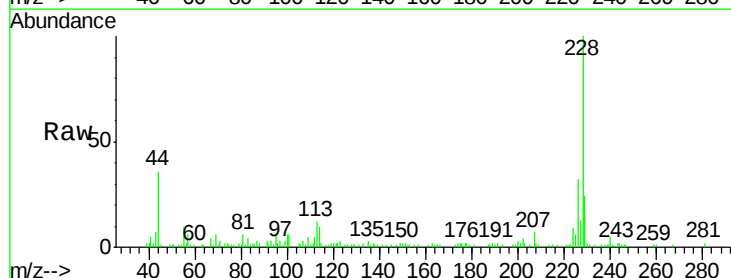
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MK-031220-0-2-COMP-B2

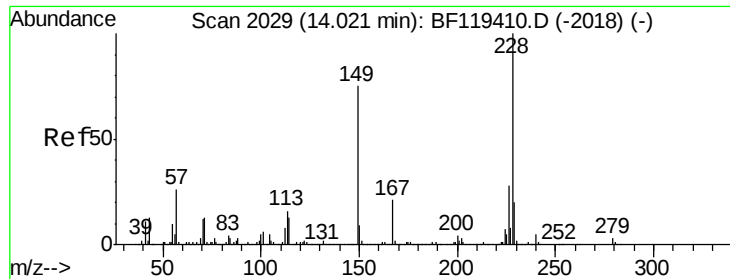
Tgt Ion:252 Resp: 384  
 Ion Ratio Lower Upper  
 252 100  
 254 124.0 49.8 74.8#  
 126 145.0 8.9 13.3#



#83  
 Chrysene  
 Concen: 1.13 ng  
 RT: 14.05 min Scan# 2034  
 Delta R.T. -0.01 min  
 Lab File: BF119431.D  
 Acq: 18 Mar 2020 22:53

Tgt Ion:228 Resp: 50587  
 Ion Ratio Lower Upper  
 228 100  
 226 31.6 24.8 37.2  
 229 24.5 16.6 25.0





#84

Bis(2-ethylhexyl)phthalate

Concen: 0.08 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BF119431.D

Acq: 18 Mar 2020 22:53

Instrument :

BNA\_F

ClientSampleId :

MK-031220-0-2-COMP-B2

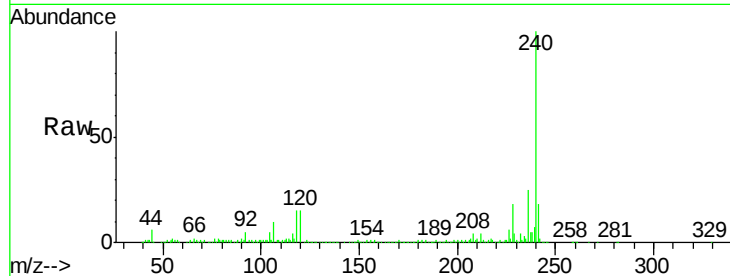
Tgt Ion:149 Resp: 2226

Ion Ratio Lower Upper

149 100

167 35.9 22.0 33.0#

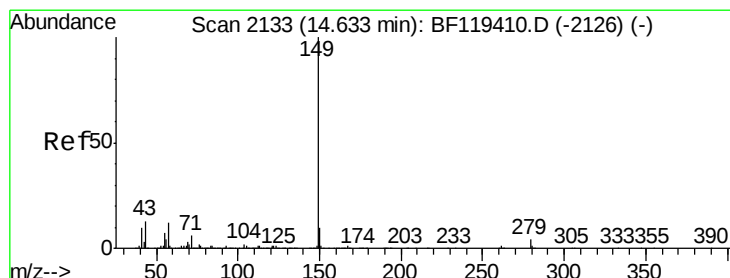
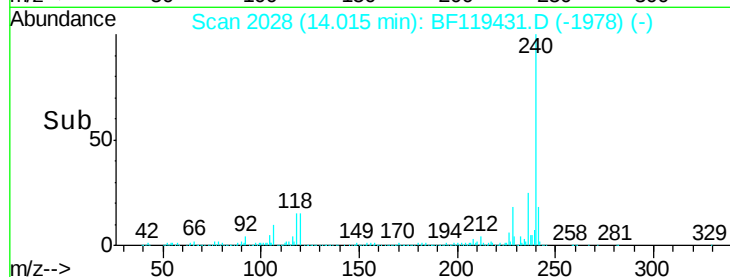
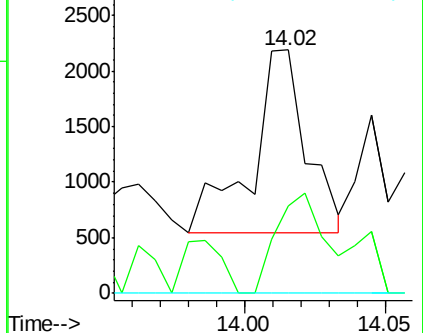
279 0.0 3.2 4.8#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Di-n-octyl phthalate

Concen: 0.01 ng

RT: 14.63 min Scan# 2132

Delta R.T. -0.01 min

Lab File: BF119431.D

Acq: 18 Mar 2020 22:53

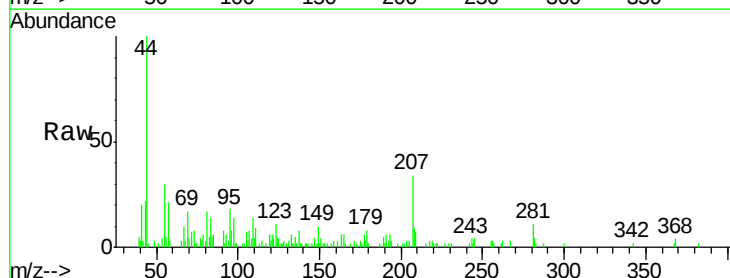
Tgt Ion:149 Resp: 412

Ion Ratio Lower Upper

149 100

167 164.8 1.1 1.7#

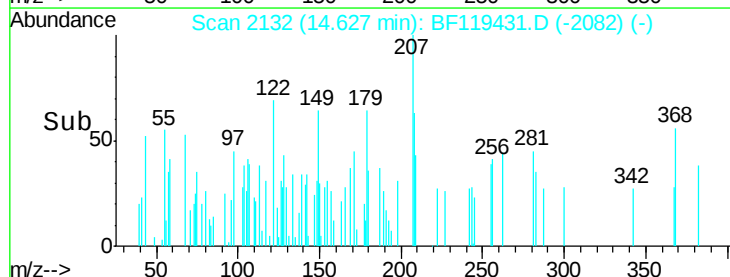
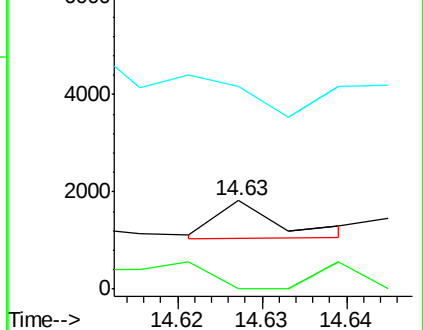
43 0.0 10.1 15.1#

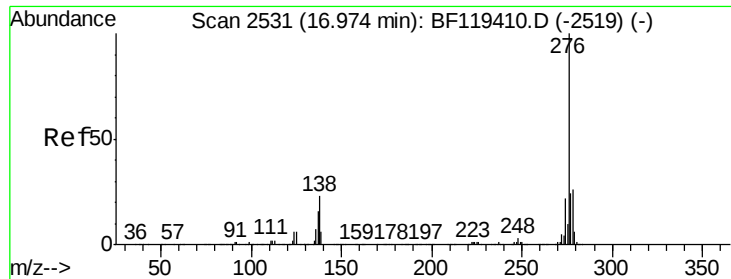


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1

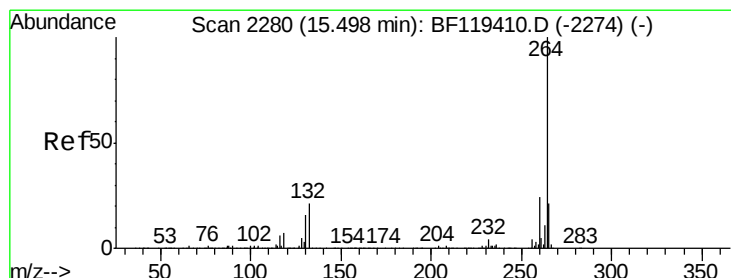
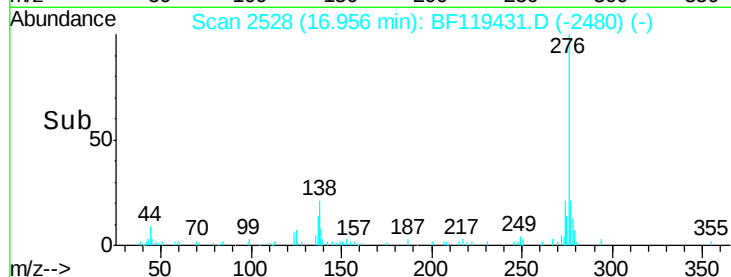
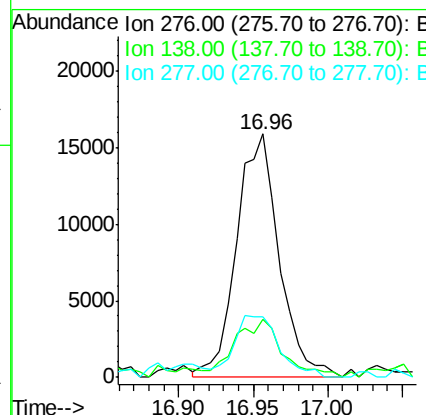
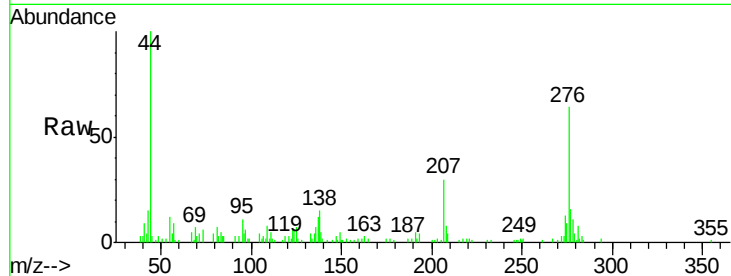




#86  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.75 ng  
 RT: 16.96 min Scan# 2528  
 Delta R.T. -0.02 min  
 Lab File: BF119431.D  
 Acq: 18 Mar 2020 22:53

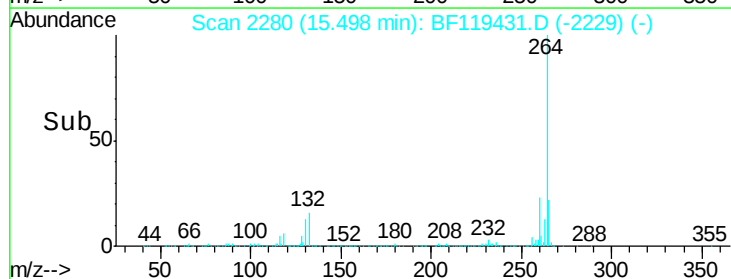
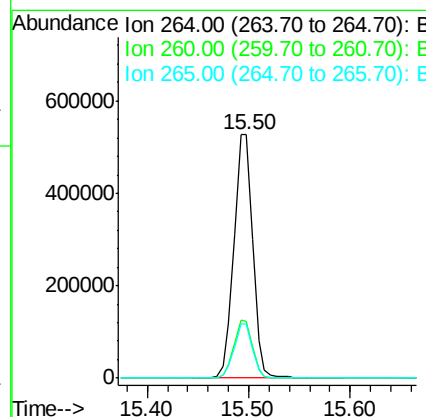
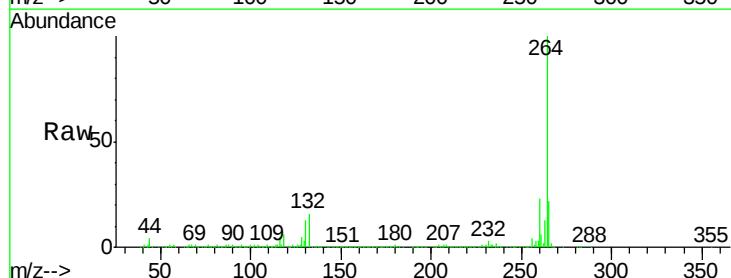
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MK-031220-0-2-COMP-B2

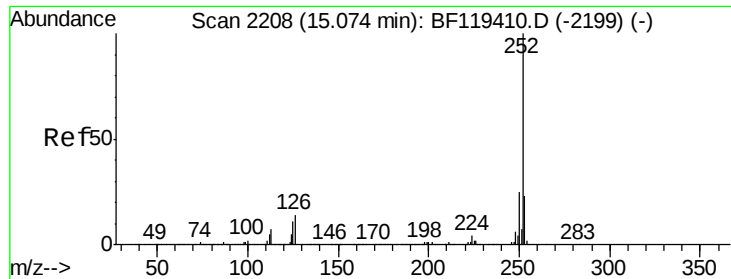
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 26.8  | 21.3  | 31.9  |
| 277     | 26.9  | 20.2  | 30.2  |



#87  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.50 min Scan# 2280  
 Delta R.T. -0.00 min  
 Lab File: BF119431.D  
 Acq: 18 Mar 2020 22:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.4  | 19.2  | 28.8  |
| 265     | 22.5  | 16.9  | 25.3  |

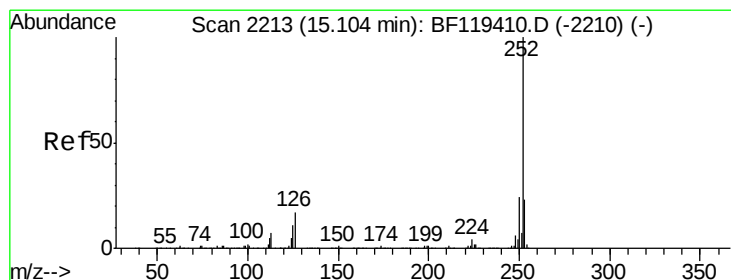
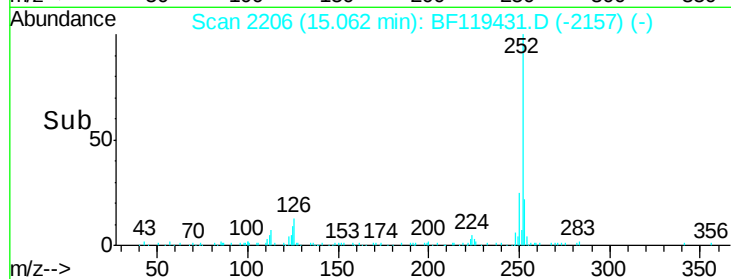
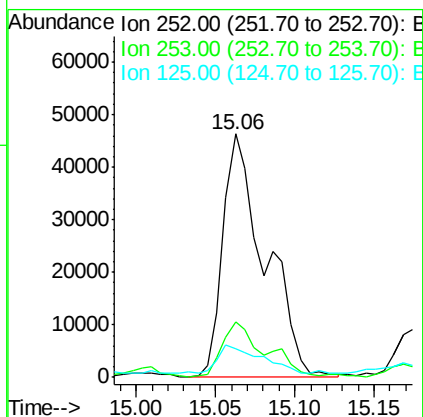
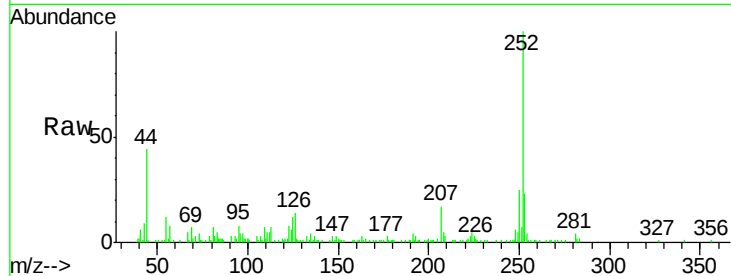




#88  
Benzo(b)fluoranthene  
Concen: 1.88 ng  
RT: 15.06 min Scan# 2206  
Delta R.T. -0.01 min  
Lab File: BF119431.D  
Acq: 18 Mar 2020 22:53

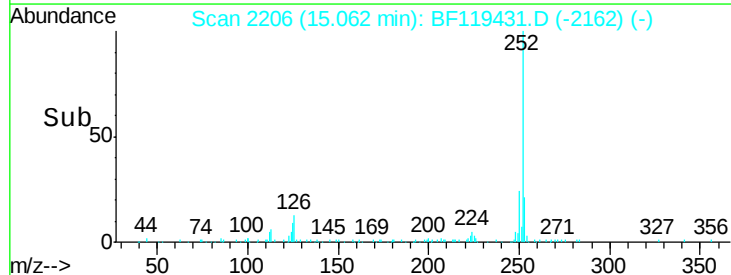
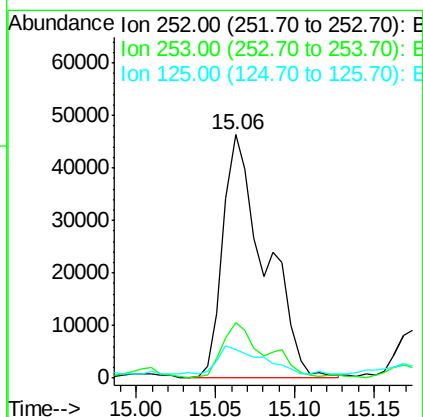
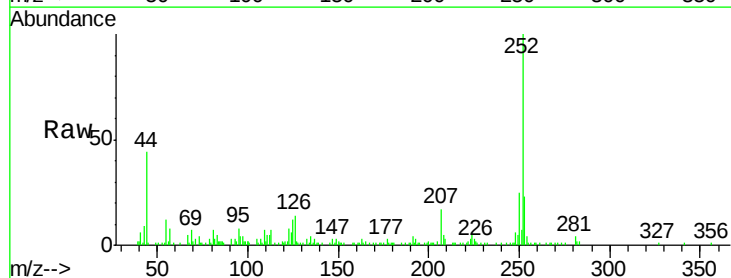
Instrument :  
BNA\_F  
ClientSampleId :  
MK-031220-0-2-COMP-B2

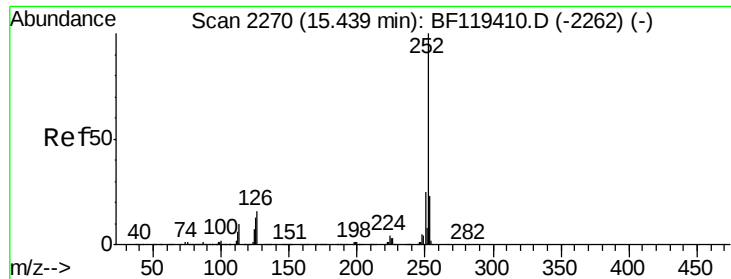
Tgt Ion:252 Resp: 85922  
Ion Ratio Lower Upper  
252 100  
253 22.8 18.2 27.4  
125 11.6 8.8 13.2



#89  
Benzo(k)fluoranthene  
Concen: 1.98 ng  
RT: 15.06 min Scan# 2206  
Delta R.T. -0.04 min  
Lab File: BF119431.D  
Acq: 18 Mar 2020 22:53

Tgt Ion:252 Resp: 85922  
Ion Ratio Lower Upper  
252 100  
253 22.8 18.2 27.4  
125 11.6 9.0 13.4





#90

Benzo(a)pyrene

Concen: 1.06 ng

RT: 15.43 min Scan# 2268

Delta R.T. -0.01 min

Lab File: BF119431.D

Acq: 18 Mar 2020 22:53

Instrument :

BNA\_F

ClientSampleId :

MK-031220-0-2-COMP-B2

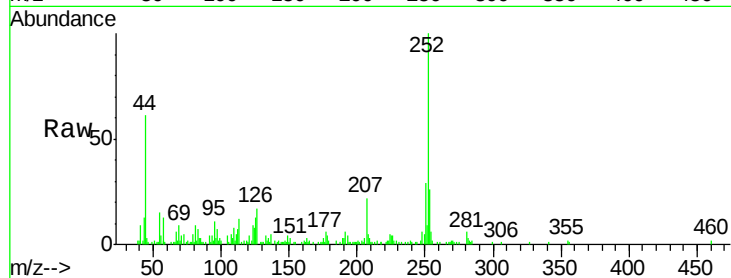
Tgt Ion:252 Resp: 43971

Ion Ratio Lower Upper

252 100

253 25.9 18.2 27.4

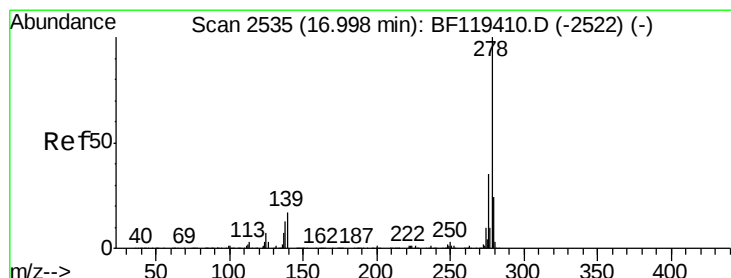
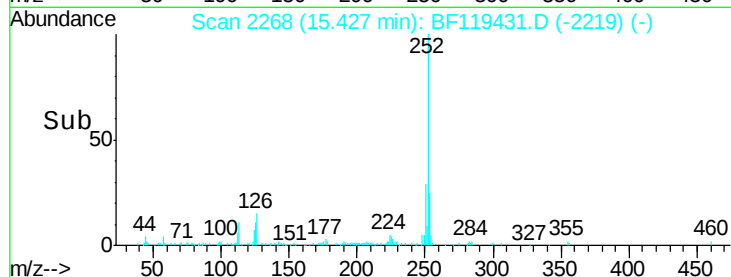
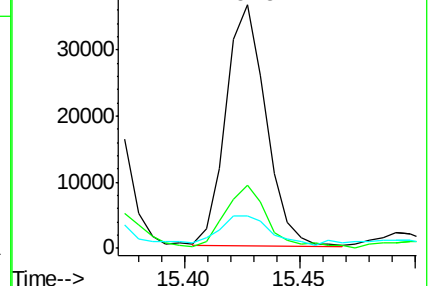
125 13.3 10.2 15.2



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Dibenzo(a,h)anthracene

Concen: 0.28 ng

RT: 16.97 min Scan# 2531

Delta R.T. -0.02 min

Lab File: BF119431.D

Acq: 18 Mar 2020 22:53

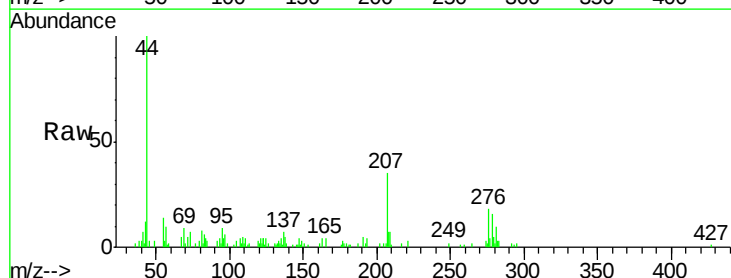
Tgt Ion:278 Resp: 9988

Ion Ratio Lower Upper

278 100

139 15.2 13.7 20.5

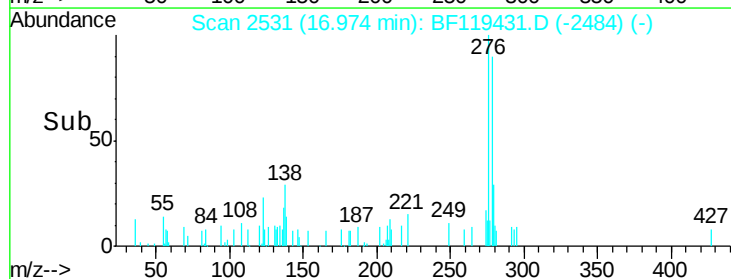
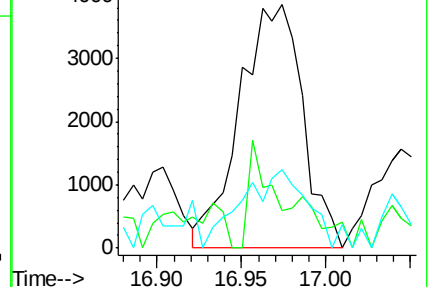
279 32.3 19.2 28.8#

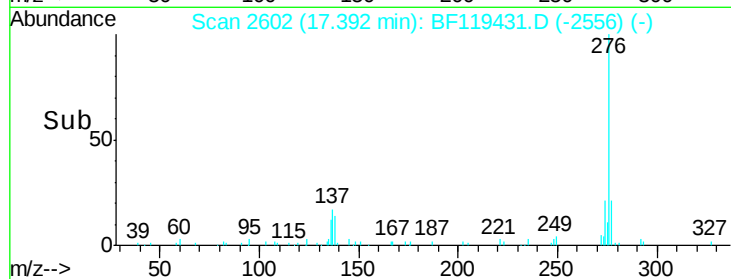
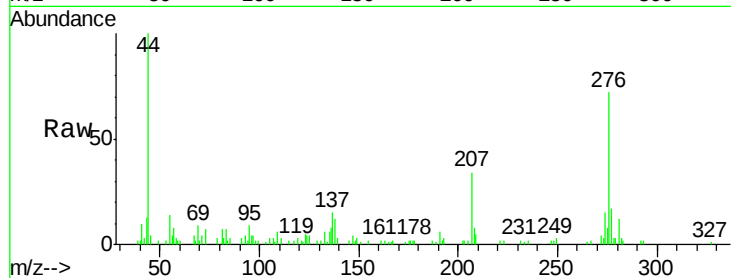
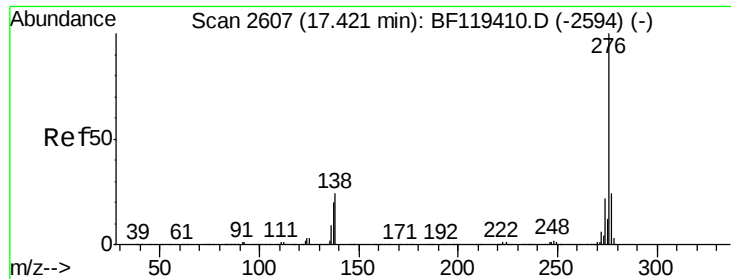


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.92 ng

RT: 17.39 min Scan# 2602

Delta R.T. -0.03 min

Lab File: BF119431.D

Acq: 18 Mar 2020 22:53

Instrument :

BNA\_F

ClientSampleId :

MK-031220-0-2-COMP-B2

Tgt Ion: 276 Resp: 33415

Ion Ratio Lower Upper

276 100

277 23.1 18.8 28.2

138 16.2 19.1 28.7#

