

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF100818\  
 Data File : BF109671.D  
 Acq On : 9 Oct 2018 2:09  
 Operator : JU/SJ  
 Sample : J5287-11  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TRACK-D-6

Quant Time: Oct 09 04:08:43 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF100818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 08 16:02:11 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.70  | 152  | 104128   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 7.97  | 136  | 405524   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.72  | 164  | 160304   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.20 | 188  | 253239   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 13.83 | 240  | 227866   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.22 | 264  | 208334   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |        |       |    |       |
|--------------------------|-------|-----|--------|-------|----|-------|
| 5) 2-Fluorophenol        | 5.32  | 112 | 493111 | 84.06 | ng | 0.00  |
| 7) Phenol-d6             | 6.35  | 99  | 685382 | 87.46 | ng | -0.01 |
| 23) Nitrobenzene-d5      | 7.26  | 82  | 432635 | 58.81 | ng | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.51 | 330 | 120777 | 69.15 | ng | 0.00  |
| 44) 2-Fluorobiphenyl     | 9.05  | 172 | 701900 | 60.30 | ng | 0.00  |
| 78) Terphenyl-d14        | 12.78 | 244 | 508365 | 43.19 | ng | 0.00  |

## Target Compounds

|                                |       |     |        |        |    | Qvalue |
|--------------------------------|-------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.39  | 88  | 809    | 0.263  | ng | # 23   |
| 6) Aniline                     | 6.36  | 93  | 244    | 0.027  | ng | # 1    |
| 9) Benzaldehyde                | 6.35  | 77  | 854    | 0.169  | ng | # 1    |
| 10) Phenol                     | 6.36  | 94  | 32428  | 3.609  | ng | # 89   |
| 11) bis(2-Chloroethyl)ether    | 6.47  | 93  | 630    | 0.085  | ng | # 1    |
| 15) Benzyl Alcohol             | 6.85  | 79  | 6986   | 1.202  | ng | # 56   |
| 17) 2-Methylphenol             | 6.82  | 107 | 1451   | 0.254  | ng | # 19   |
| 18) Hexachloroethane           | 7.05  | 117 | 333    | 0.105  | ng | # 2    |
| 19) n-Nitroso-di-n-propylamine | 7.26  | 70  | 56468  | 10.275 | ng | # 76   |
| 24) Nitrobenzene               | 7.26  | 77  | 908    | 0.119  | ng | # 40   |
| 25) Isophorone                 | 7.26  | 82  | 432635 | 35.415 | ng | # 67   |
| 31) Naphthalene                | 8.00  | 128 | 111    | 0.006  | ng | # 68   |
| 45) 1,1'-Biphenyl              | 9.16  | 154 | 646    | 0.045  | ng | # 41   |
| 46) 2-Chloronaphthalene        | 9.45  | 162 | 162    | 0.015  | ng | # 1    |
| 47) 2-Nitroaniline             | 9.44  | 65  | 436    | 0.134  | ng | # 1    |
| 48) Acenaphthylene             | 9.59  | 152 | 121    | 0.008  | ng | # 61   |
| 49) Dimethylphthalate          | 9.45  | 163 | 64553  | 5.491  | ng | # 100  |
| 50) 2,6-Dinitrotoluene         | 9.72  | 165 | 19749  | 7.749  | ng | # 22   |
| 51) Acenaphthene               | 9.72  | 154 | 367    | 0.040  | ng | # 4    |
| 56) 2,4-Dinitrotoluene         | 9.72  | 165 | 19749  | 6.210  | ng | # 18   |
| 57) Fluorene                   | 10.51 | 166 | 5206   | 0.502  | ng | # 93   |
| 62) Azobenzene                 | 10.51 | 77  | 385    | 0.033  | ng | # 13   |
| 65) n-Nitrosodiphenylamine     | 10.51 | 169 | 3552   | 0.414  | ng | # 43   |
| 66) 4-Bromophenyl-phenylether  | 10.51 | 248 | 7090   | 2.437  | ng | # 1    |
| 70) Phenanthrene               | 11.23 | 178 | 744    | 0.059  | ng | # 60   |
| 71) Anthracene                 | 11.30 | 178 | 331    | 0.025  | ng | # 60   |
| 73) Di-n-butylphthalate        | 11.77 | 149 | 366    | 0.025  | ng | # 77   |
| 74) Fluoranthene               | 12.42 | 202 | 2213   | 0.167  | ng | # 81   |
| 76) Benzidine                  | 12.78 | 184 | 6635   | 0.784  | ng | # 95   |
| 77) Pyrene                     | 12.64 | 202 | 2489   | 0.149  | ng | # 98   |
| 80) Benzo(a)anthracene         | 13.82 | 228 | 2365   | 0.188  | ng | # 80   |
| 82) Chrysene                   | 13.85 | 228 | 1866   | 0.141  | ng | # 90   |
| 83) Bis(2-ethylhexyl)phthalate | 13.82 | 149 | 601    | 0.068  | ng | # 51   |
| 84) Di-n-octyl phthalate       | 14.46 | 149 | 263    | 0.019  | ng | # 1    |

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Oct 08 16:02:11 2018  
Response via : Initial Calibration

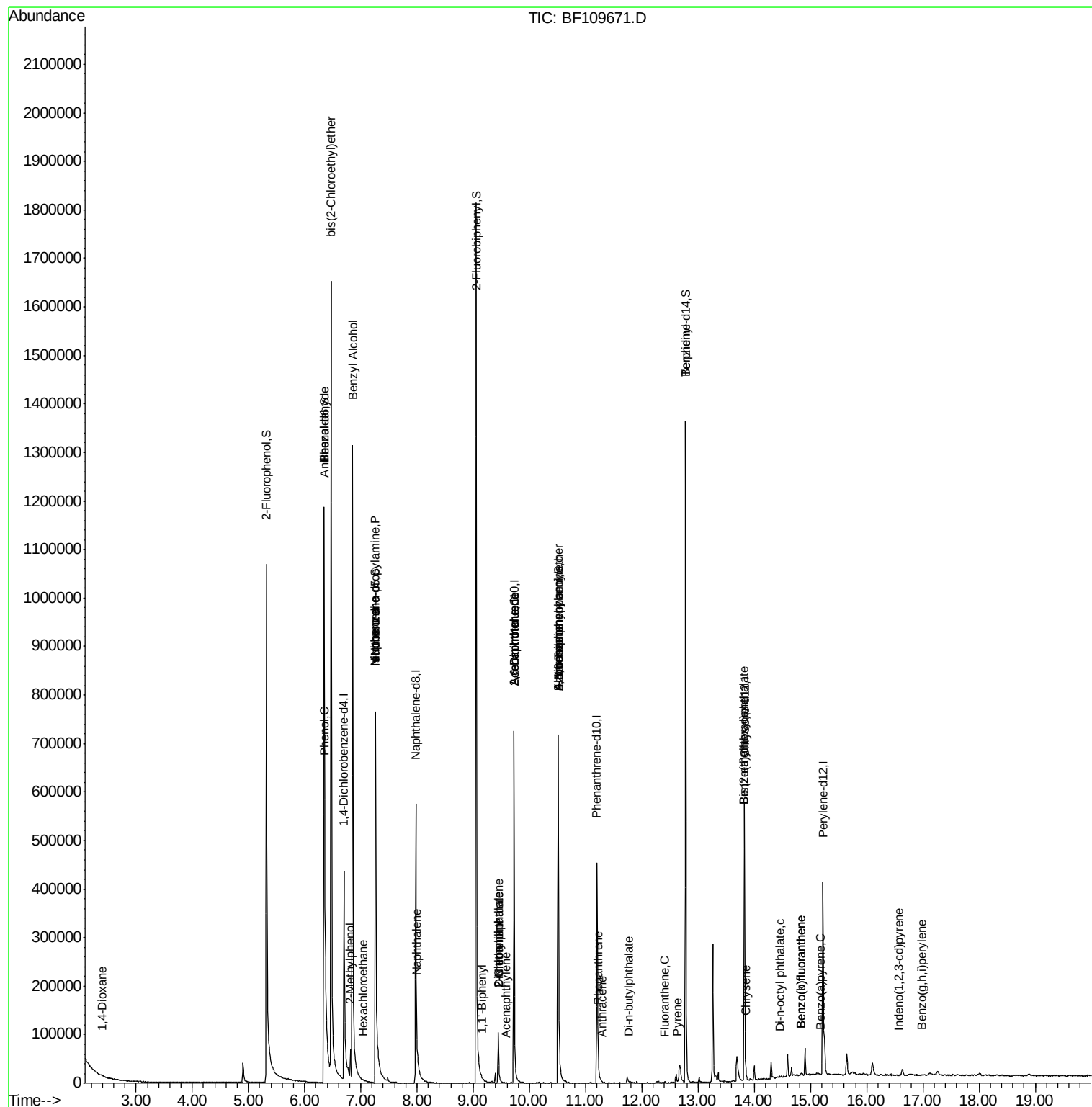
| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 85) Indeno(1,2,3-cd)pyrene | 16.58 | 276  | 376      | 0.040 | ng    | # 51     |
| 87) Benzo(b)fluoranthene   | 14.83 | 252  | 4356     | 0.378 | ng    | # 92     |
| 88) Benzo(k)fluoranthene   | 14.83 | 252  | 4356     | 0.377 | ng    | # 91     |
| 89) Benzo(a)pyrene         | 15.17 | 252  | 981      | 0.094 | ng    | # 59     |
| 91) Benzo(g,h,i)perylene   | 16.98 | 276  | 234      | 0.027 | ng    | # 54     |

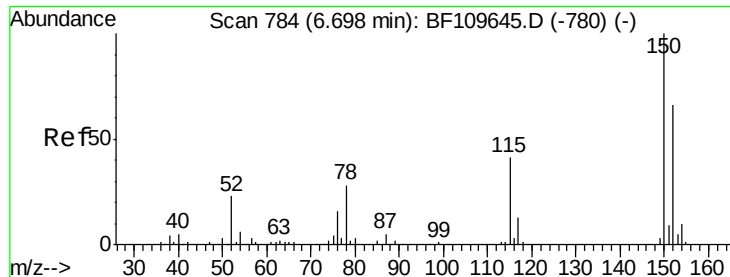
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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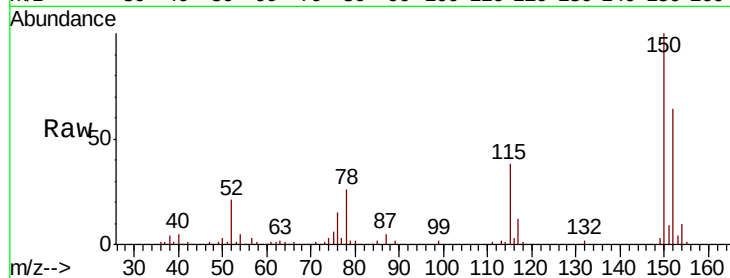


#1

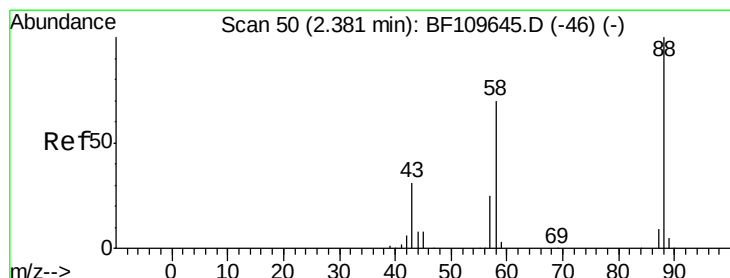
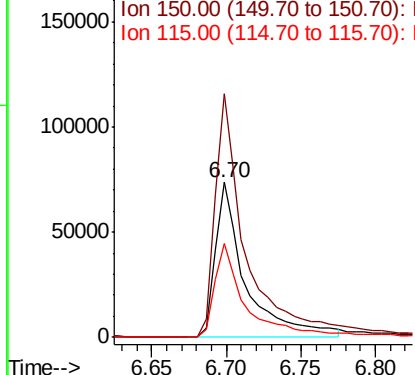
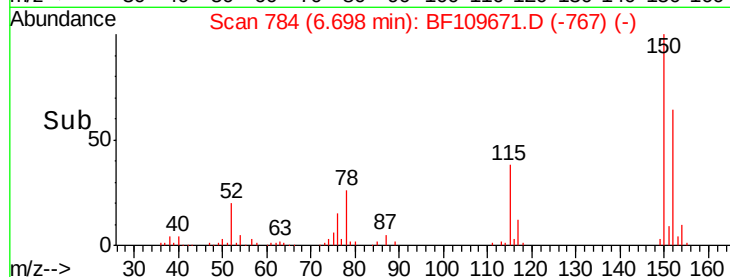
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.70 min Scan# 784  
Delta R.T. 0.00 min  
Lab File: BF109671.D  
Acq: 9 Oct 2018 2:09

Instrument :  
BNA\_F  
ClientSampleId :  
TRACK-D-6

Tgt Ion:152 Resp: 104128  
Ion Ratio Lower Upper  
152 100  
150 157.3 122.7 184.1  
115 60.4 49.1 73.7



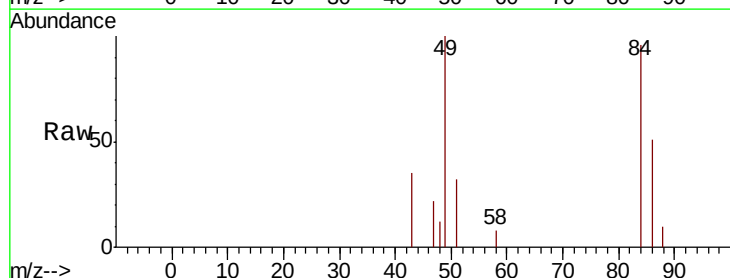
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



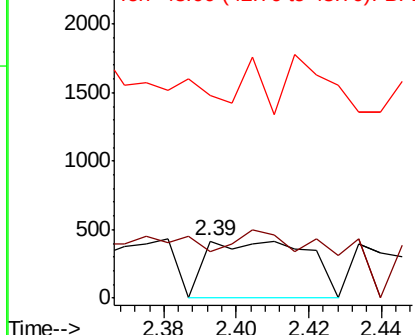
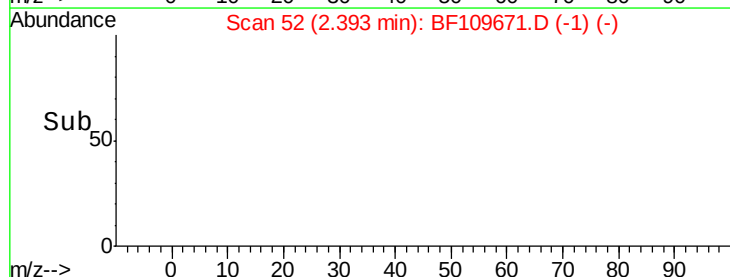
#2

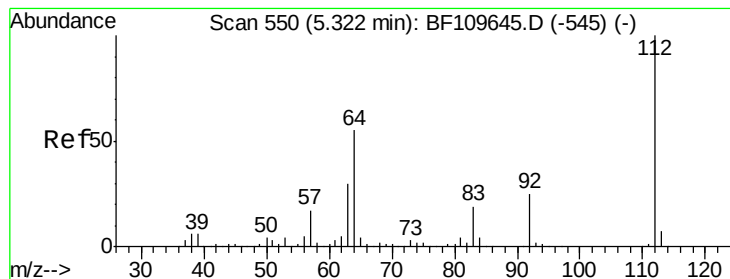
1,4-Dioxane  
Concen: 0.263 ng  
RT: 2.39 min Scan# 52  
Delta R.T. 0.01 min  
Lab File: BF109671.D  
Acq: 9 Oct 2018 2:09

Tgt Ion: 88 Resp: 809  
Ion Ratio Lower Upper  
88 100  
58 0.0 57.1 85.7#  
43 0.0 24.1 36.1#



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





#5

2-Fluorophenol

Concen: 84.059 ng

RT: 5.32 min Scan# 550

Delta R.T. 0.00 min

Lab File: BF109671.D

Acq: 9 Oct 2018 2:09

Instrument :

BNA\_F

ClientSampleId :

TRACK-D-6

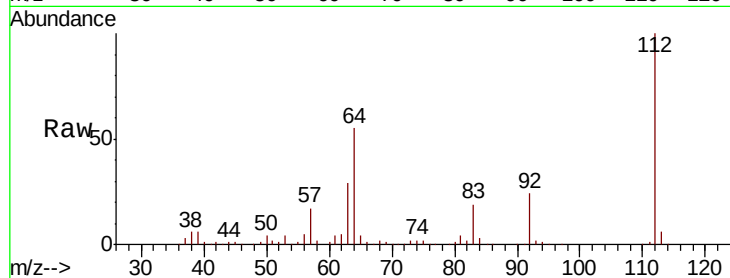
Tgt Ion:112 Resp: 493111

Ion Ratio Lower Upper

112 100

64 54.7 44.1 66.1

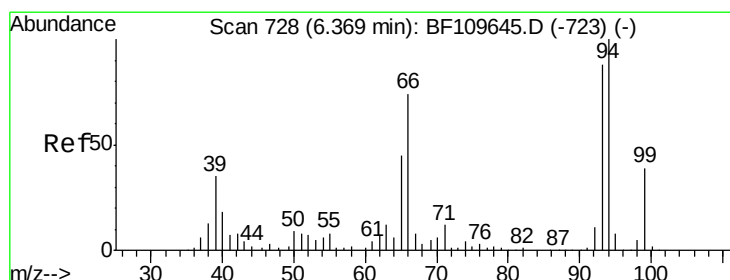
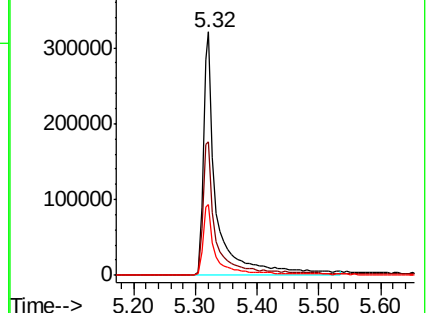
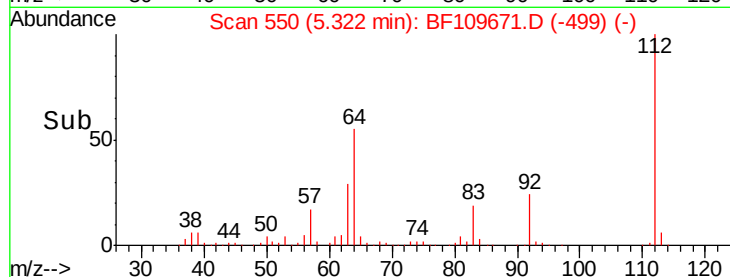
63 29.2 23.7 35.5



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: 0.027 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF109671.D

Acq: 9 Oct 2018 2:09

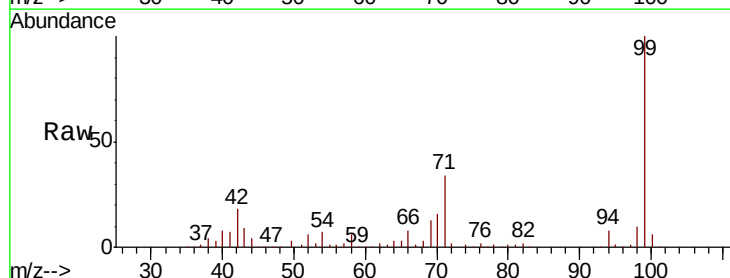
Tgt Ion: 93 Resp: 244

Ion Ratio Lower Upper

93 100

66 3911.5 67.4 101.0#

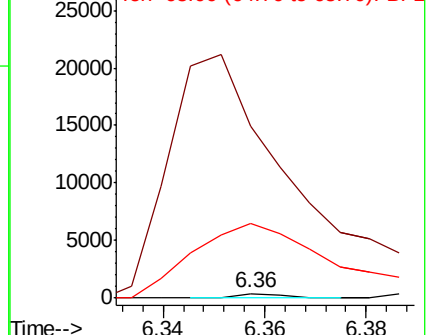
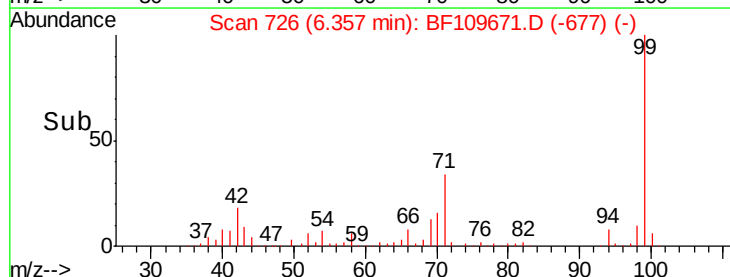
65 1708.4 41.0 61.4#

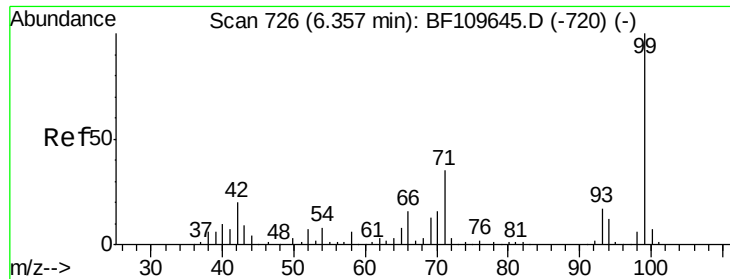


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 87.458 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF109671.D

Acq: 9 Oct 2018 2:09

Instrument :

BNA\_F

ClientSampleId :

TRACK-D-6

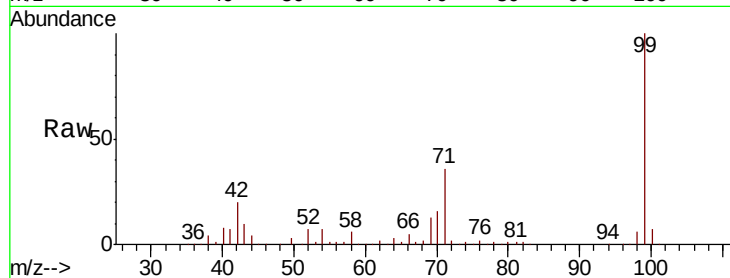
Tgt Ion: 99 Resp: 685382

Ion Ratio Lower Upper

99 100

42 19.7 15.8 23.6

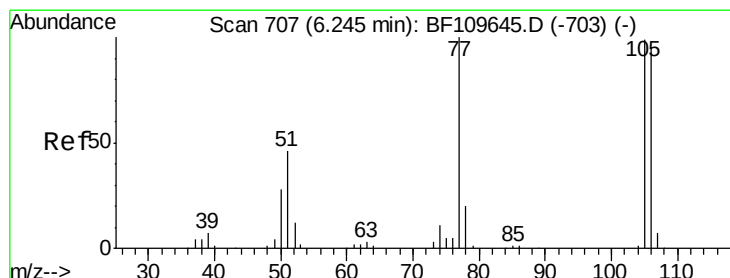
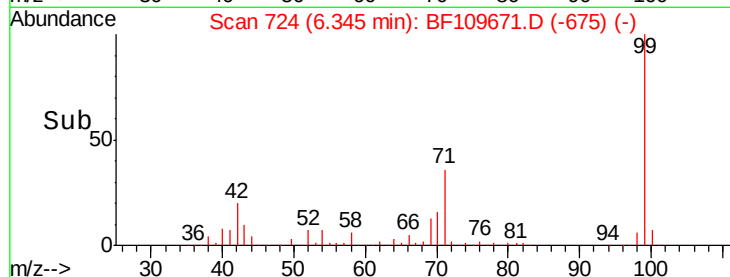
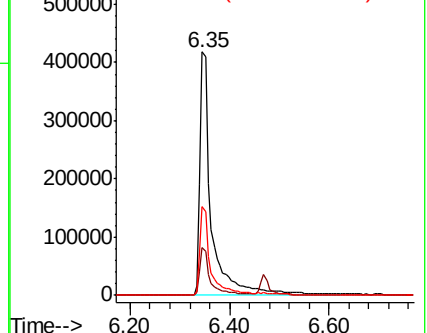
71 36.4 28.0 42.0



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: 0.169 ng

RT: 6.35 min Scan# 724

Delta R.T. 0.10 min

Lab File: BF109671.D

Acq: 9 Oct 2018 2:09

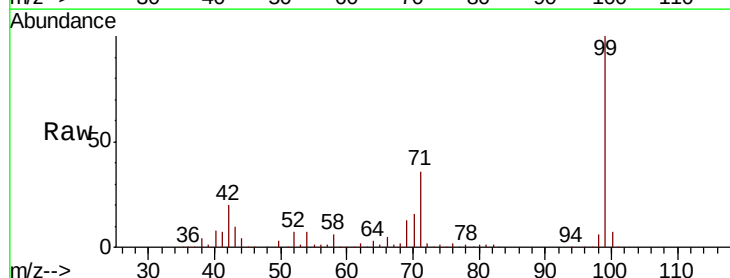
Tgt Ion: 77 Resp: 854

Ion Ratio Lower Upper

77 100

105 0.0 78.6 118.6#

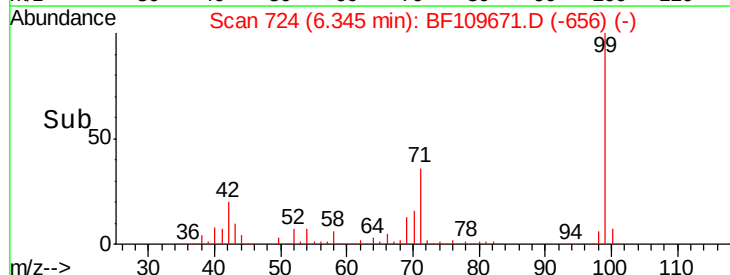
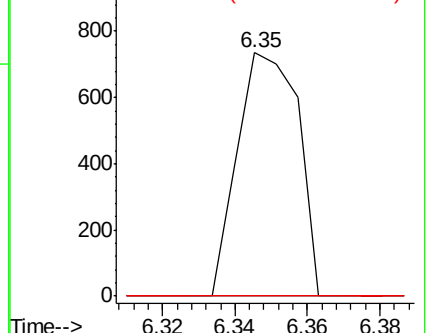
106 0.0 74.8 114.8#

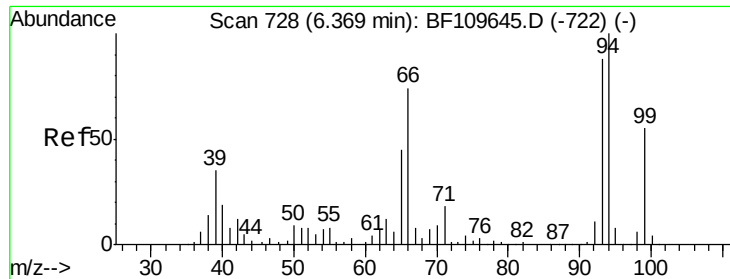


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 3.609 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF109671.D

Acq: 9 Oct 2018 2:09

Instrument :

BNA\_F

ClientSampleId :

TRACK-D-6

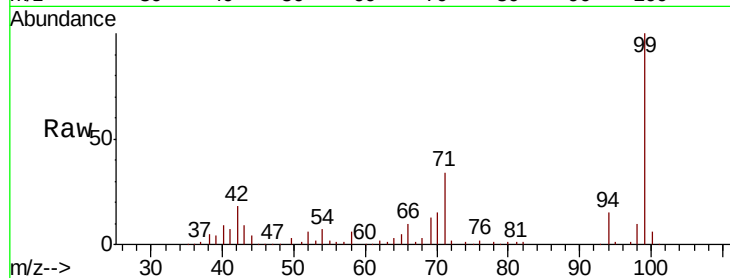
Tgt Ion: 94 Resp: 32428

Ion Ratio Lower Upper

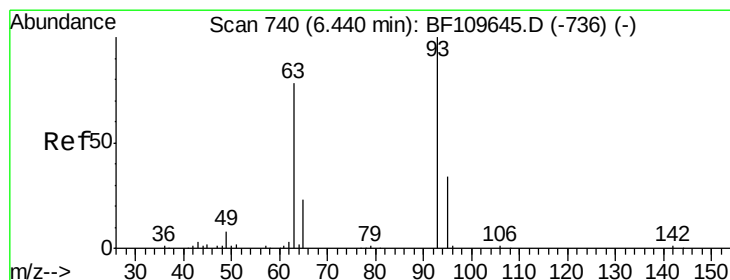
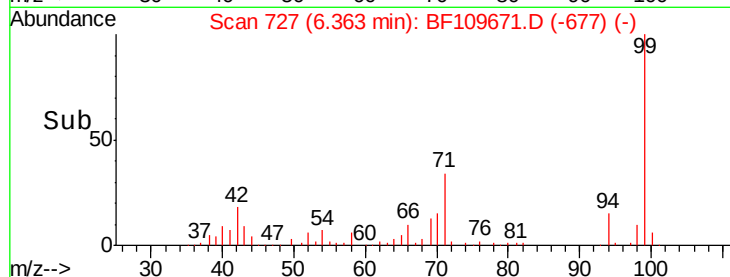
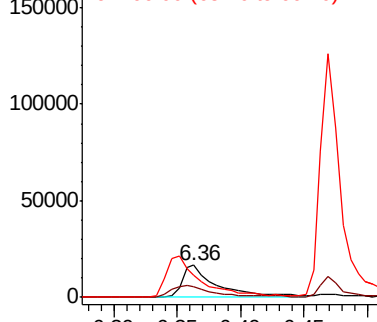
94 100

65 33.3 25.3 65.3

66 68.7 54.5 94.5



Abundance Ion 94.00 (93.70 to 94.70): BF1  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 66.00 (65.70 to 66.70): BF1



#11

bis(2-Chloroethyl)ether

Concen: 0.085 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.03 min

Lab File: BF109671.D

Acq: 9 Oct 2018 2:09

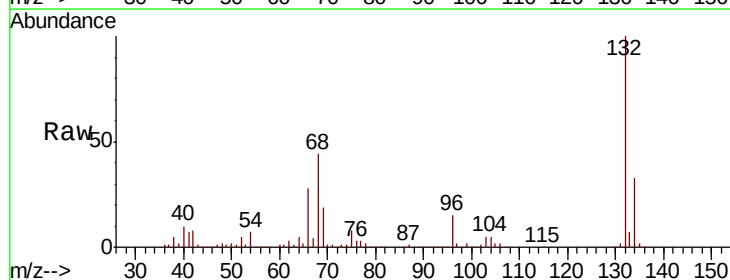
Tgt Ion: 93 Resp: 630

Ion Ratio Lower Upper

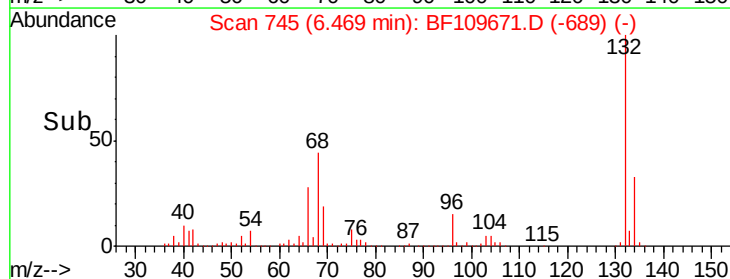
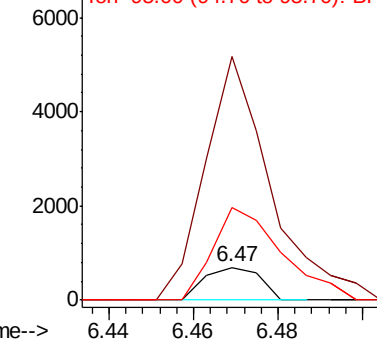
93 100

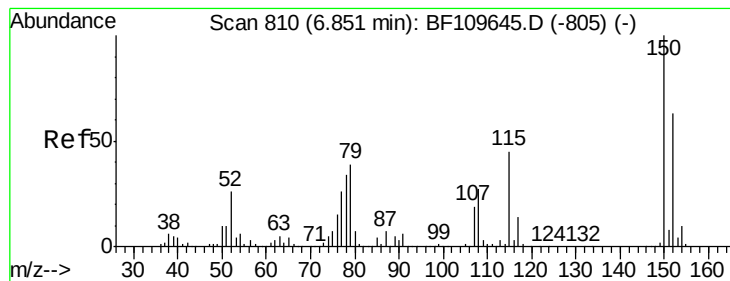
63 746.2 53.4 93.4#

95 283.3 12.1 52.1#



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





#15

Benzyl Alcohol

Concen: 1.202 ng

RT: 6.85 min Scan# 810

Delta R.T. 0.00 min

Lab File: BF109671.D

Acq: 9 Oct 2018 2:09

Instrument :

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ClientSampled :

TRACK-D-6

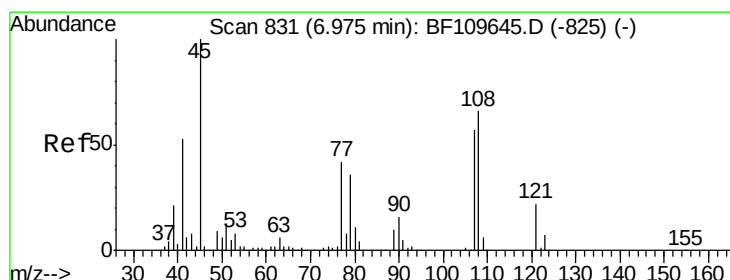
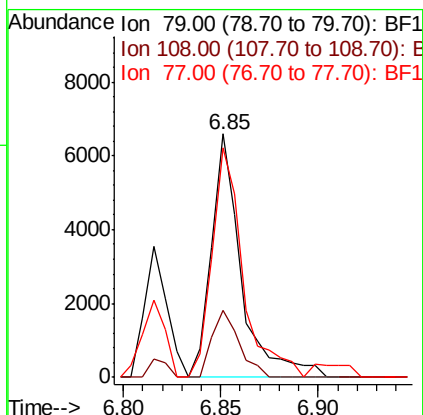
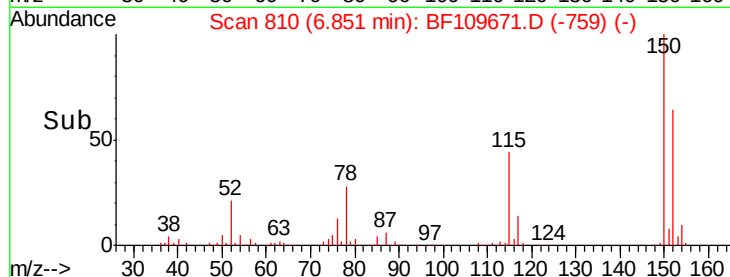
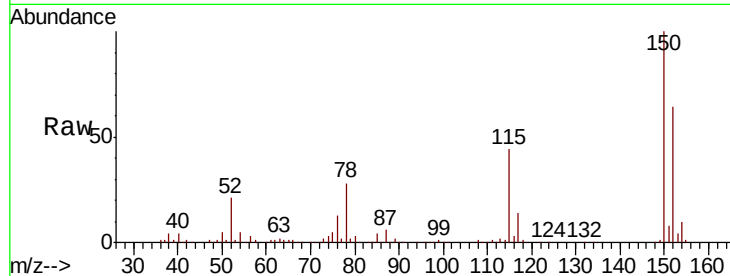
Tgt Ion: 79 Resp: 6986

Ion Ratio Lower Upper

79 100

108 27.6 56.3 84.5#

77 94.4 52.9 79.3#



#17

2-Methylphenol

Concen: 0.254 ng

RT: 6.82 min Scan# 804

Delta R.T. -0.16 min

Lab File: BF109671.D

Acq: 9 Oct 2018 2:09

Tgt Ion: 107 Resp: 1451

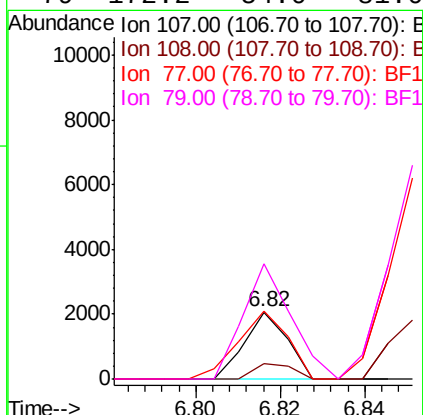
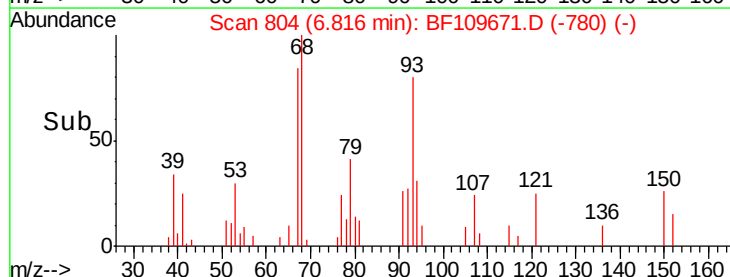
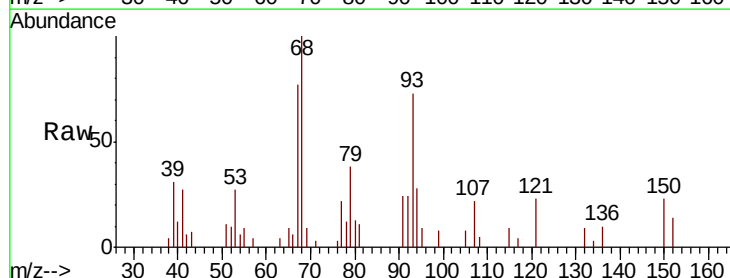
Ion Ratio Lower Upper

107 100

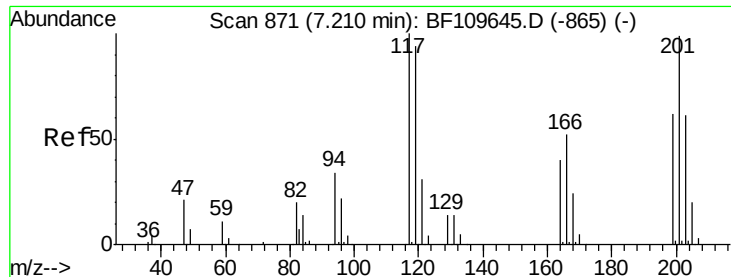
108 23.5 92.6 138.8#

77 101.3 59.4 89.2#

79 172.2 54.0 81.0#



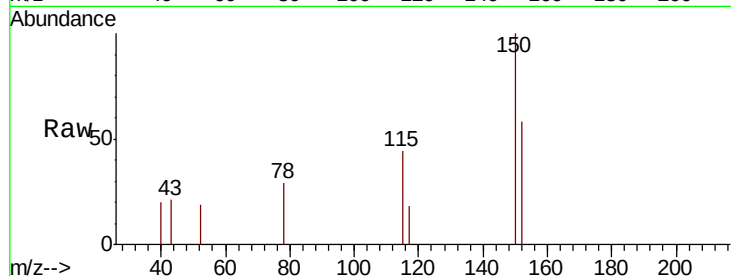




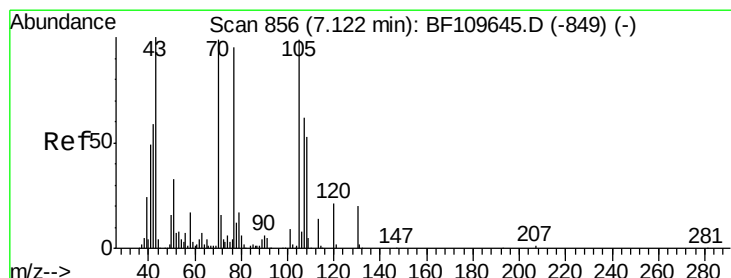
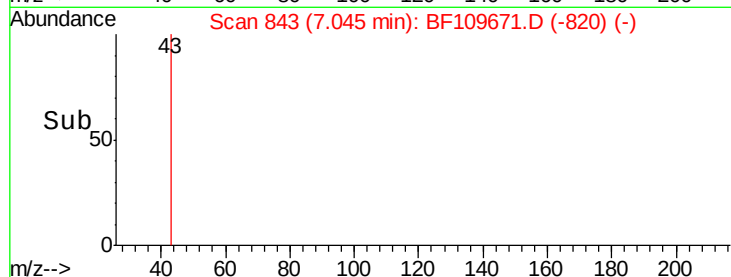
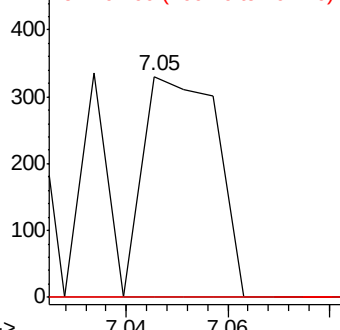
#18  
Hexachloroethane  
Concen: 0.105 ng  
RT: 7.05 min Scan# 843  
Delta R.T. -0.16 min  
Lab File: BF109671.D  
Acq: 9 Oct 2018 2:09

Instrument :  
BNA\_F  
ClientSampleId :  
TRACK-D-6

Tgt Ion: 117 Resp: 333  
Ion Ratio Lower Upper  
117 100  
119 0.0 75.0 112.6#  
201 0.0 79.2 118.8#

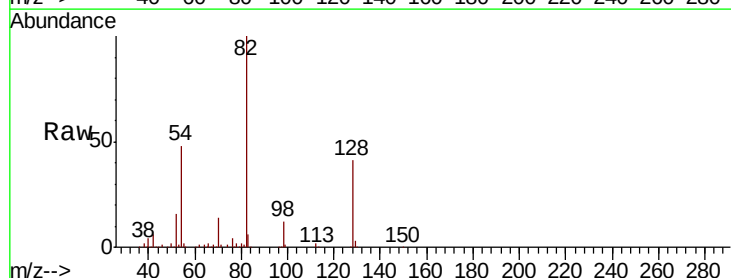


Abundance Ion 117.00 (116.70 to 117.70): E  
Ion 119.00 (118.70 to 119.70): E  
Ion 201.00 (200.70 to 201.70): E

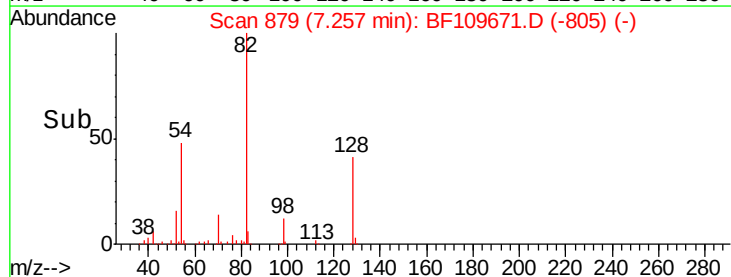
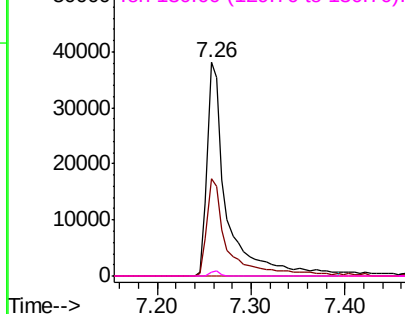


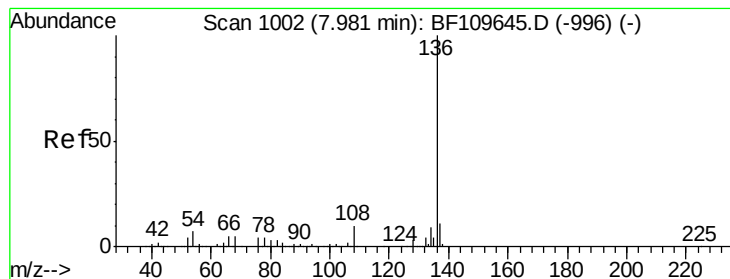
#19  
n-Nitroso-di-n-propylamine  
Concen: 10.275 ng  
RT: 7.26 min Scan# 879  
Delta R.T. 0.14 min  
Lab File: BF109671.D  
Acq: 9 Oct 2018 2:09

Tgt Ion: 70 Resp: 56468  
Ion Ratio Lower Upper  
70 100  
42 45.7 47.4 71.2#  
101 0.0 7.3 10.9#  
130 2.0 16.2 24.2#



Abundance Ion 70.00 (69.70 to 70.70): BF1  
Ion 42.00 (41.70 to 42.70): BF1  
Ion 101.00 (100.70 to 101.70): E  
Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.97 min Scan# 1001

Delta R.T. -0.01 min

Lab File: BF109671.D

Acq: 9 Oct 2018 2:09

Instrument :

BNA\_F

ClientSampleId :

TRACK-D-6

Tgt Ion: 136 Resp: 405524

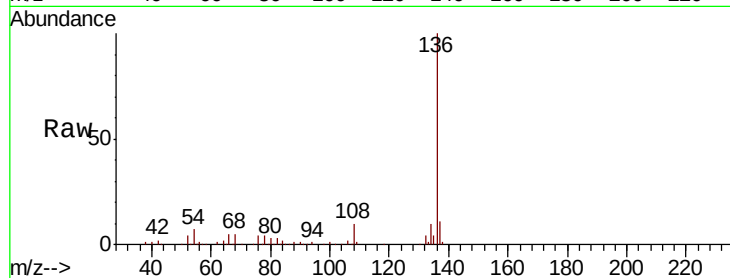
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 7.2 5.4 8.2

68 5.3 4.2 6.2

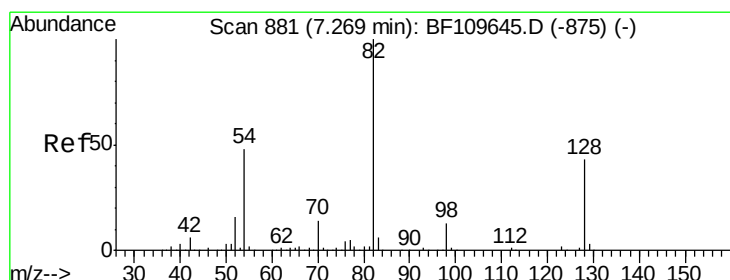
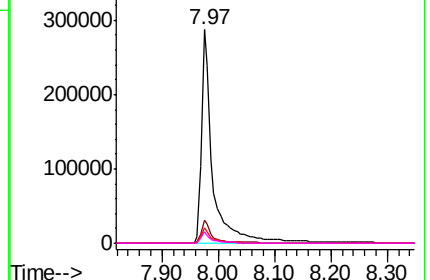
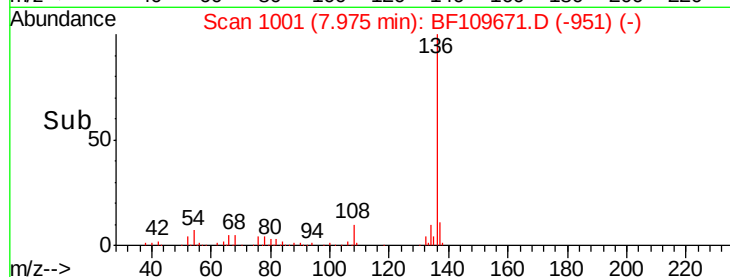


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 58.809 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.01 min

Lab File: BF109671.D

Acq: 9 Oct 2018 2:09

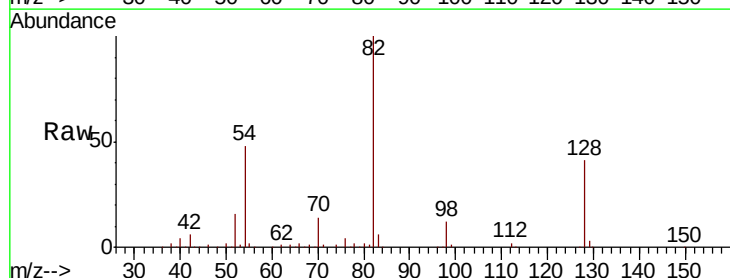
Tgt Ion: 82 Resp: 432635

Ion Ratio Lower Upper

82 100

128 41.0 34.2 51.2

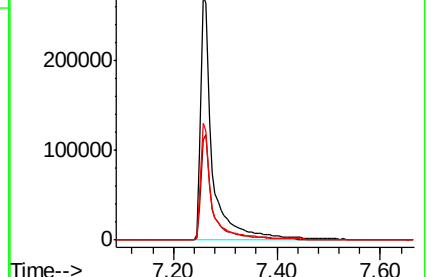
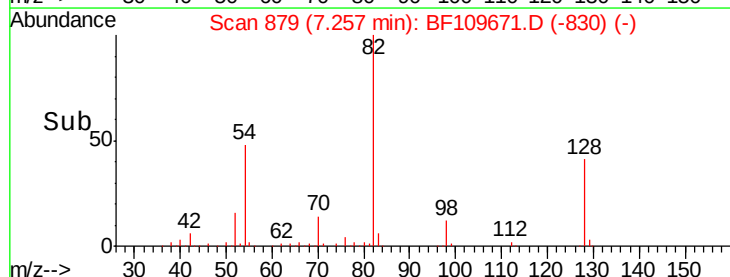
54 48.3 38.6 58.0

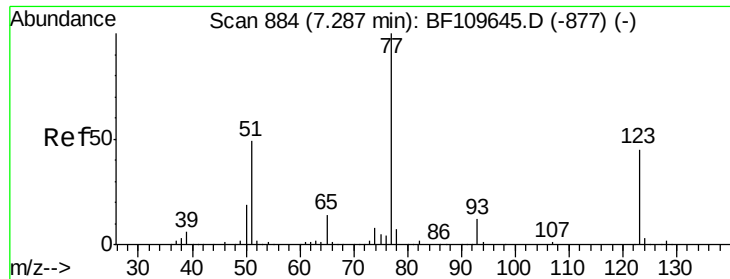


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

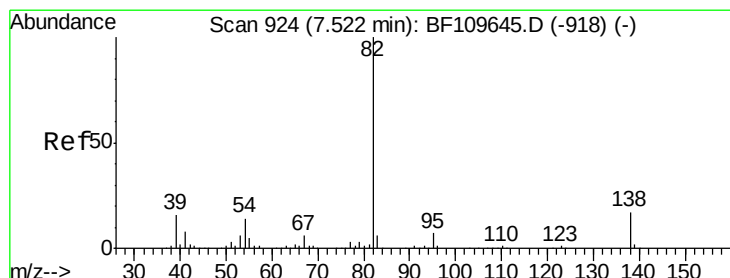
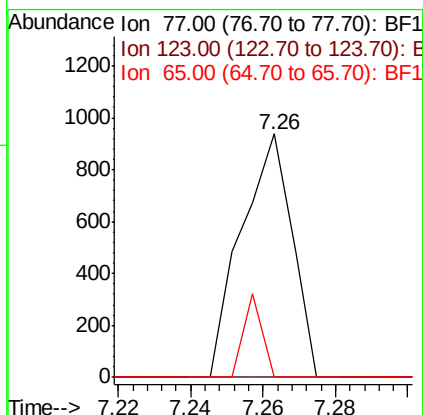
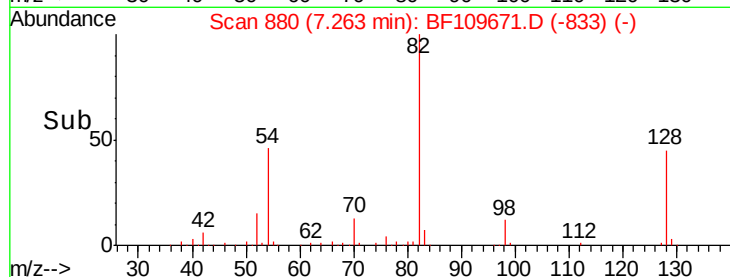
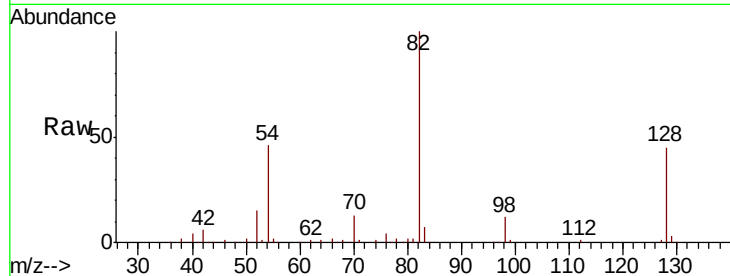




#24  
 Nitrobenzene  
 Concen: 0.119 ng  
 RT: 7.26 min Scan# 880  
 Delta R.T. -0.02 min  
 Lab File: BF109671.D  
 Acq: 9 Oct 2018 2:09

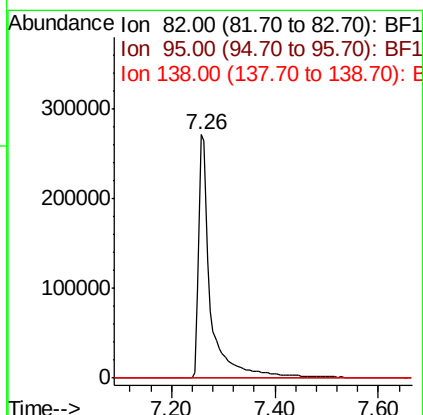
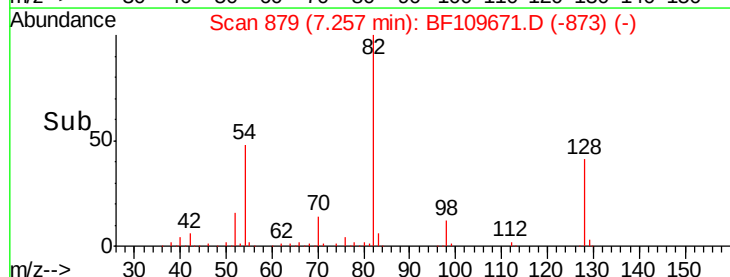
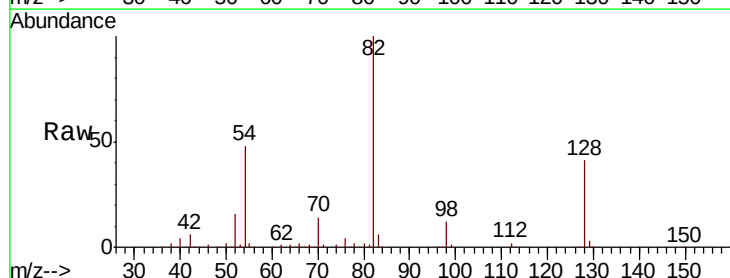
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TRACK-D-6

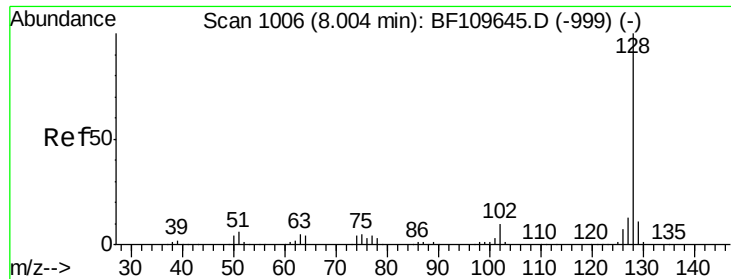
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 0.0   | 35.7  | 53.5# |
| 65      | 0.0   | 10.7  | 16.1# |



#25  
 Isophorone  
 Concen: 35.415 ng  
 RT: 7.26 min Scan# 879  
 Delta R.T. -0.26 min  
 Lab File: BF109671.D  
 Acq: 9 Oct 2018 2:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 95      | 0.0   | 5.7   | 8.5#  |
| 138     | 0.0   | 13.2  | 19.8# |

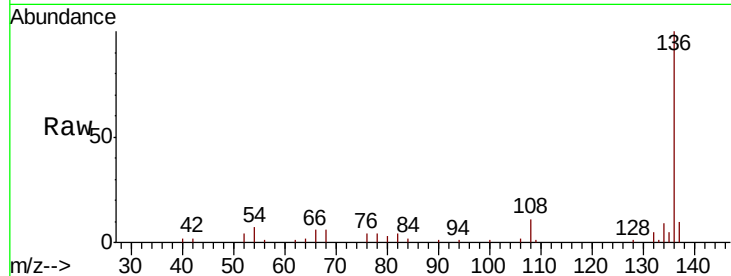




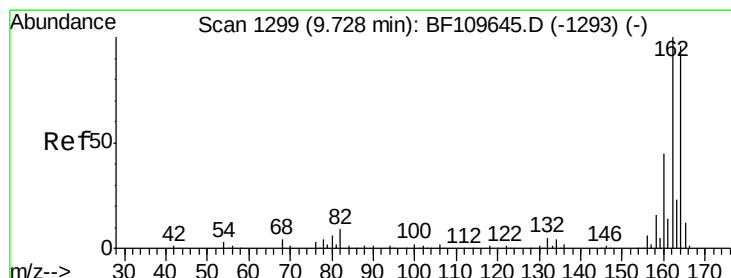
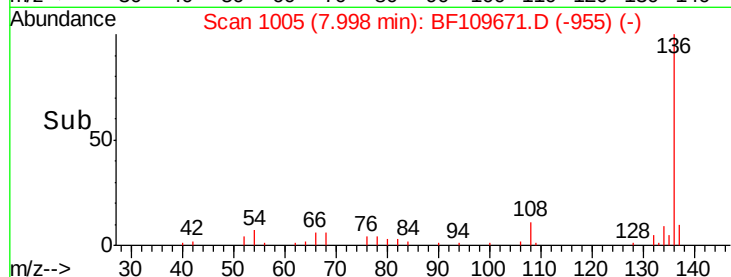
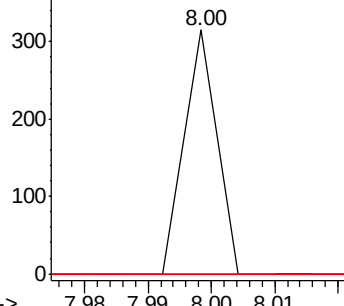
#31  
Naphthalene  
Concen: 0.006 ng  
RT: 8.00 min Scan# 1005  
Delta R.T. -0.01 min  
Lab File: BF109671.D  
Acq: 9 Oct 2018 2:09

Instrument :  
BNA\_F  
ClientSampleId :  
TRACK-D-6

Tgt Ion:128 Resp: 111  
Ion Ratio Lower Upper  
128 100  
129 0.0 8.8 13.2#  
127 0.0 10.8 16.2#

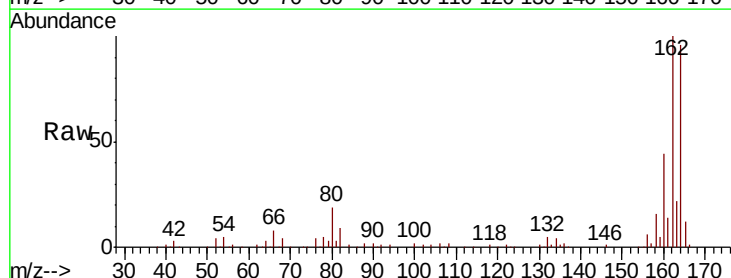


Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E

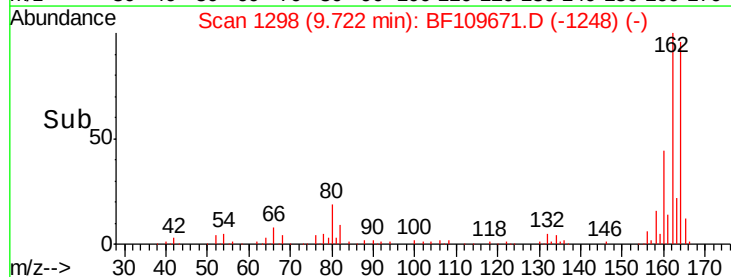
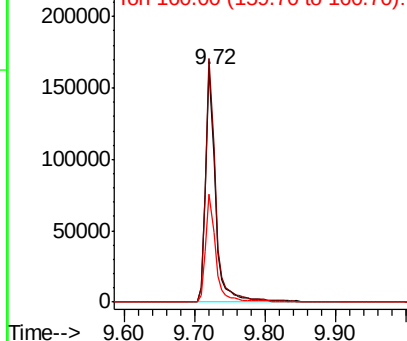


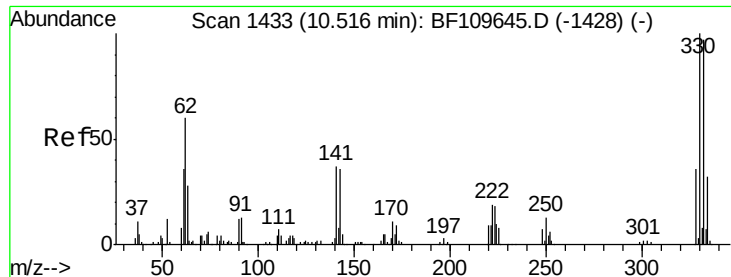
#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.72 min Scan# 1298  
Delta R.T. -0.01 min  
Lab File: BF109671.D  
Acq: 9 Oct 2018 2:09

Tgt Ion:164 Resp: 160304  
Ion Ratio Lower Upper  
164 100  
162 104.4 83.0 124.6  
160 46.1 37.0 55.6



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

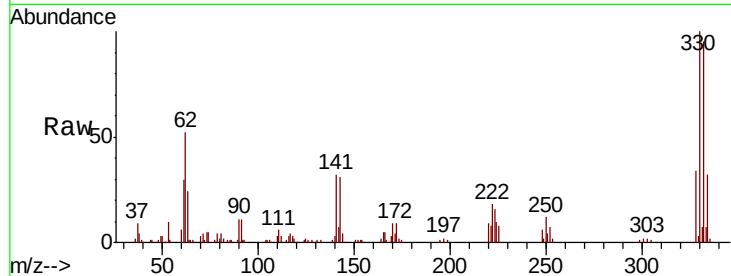




#41  
 2,4,6-Tribromophenol  
 Concen: 69.146 ng  
 RT: 10.51 min Scan# 1432  
 Delta R.T. -0.01 min  
 Lab File: BF109671.D  
 Acq: 9 Oct 2018 2:09

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TRACK-D-6

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.3  | 77.1  | 115.7 |
| 141     | 34.7  | 27.0  | 40.4  |

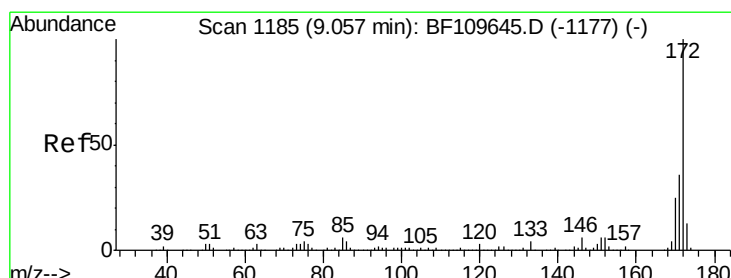
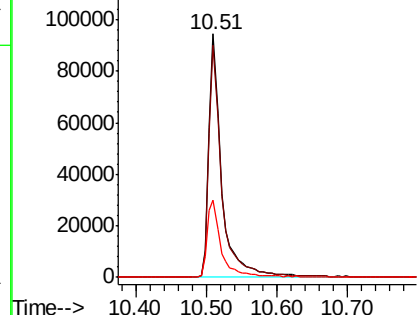
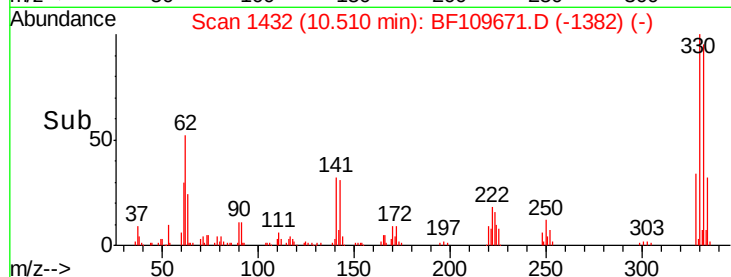


Abundance

Ion 329.80 (329.50 to 330.50): E

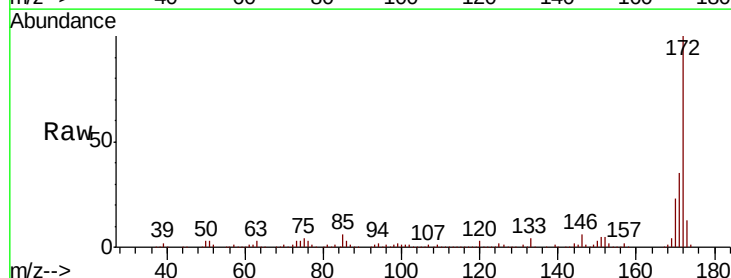
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44  
 2-Fluorobiphenyl  
 Concen: 60.304 ng  
 RT: 9.05 min Scan# 1184  
 Delta R.T. -0.01 min  
 Lab File: BF109671.D  
 Acq: 9 Oct 2018 2:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.2  | 28.6  | 43.0  |
| 170     | 23.3  | 19.7  | 29.5  |

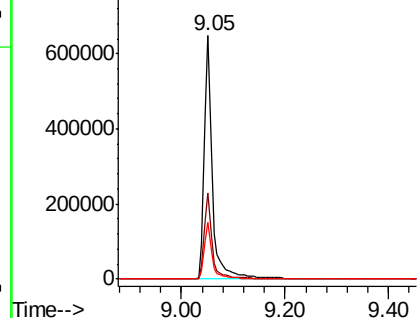
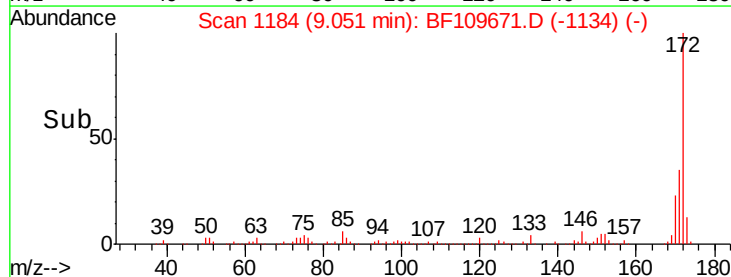


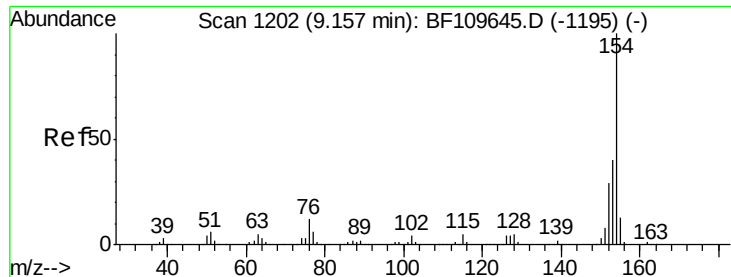
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 0.045 ng

RT: 9.16 min Scan# 1203

Delta R.T. 0.01 min

Lab File: BF109671.D

Acq: 9 Oct 2018 2:09

Instrument :

BNA\_F

ClientSampleId :

TRACK-D-6

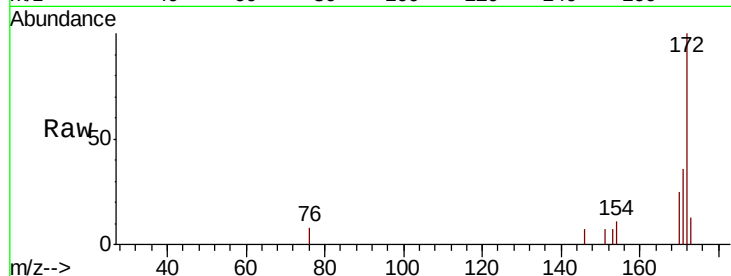
Tgt Ion:154 Resp: 646

Ion Ratio Lower Upper

154 100

153 59.4 20.4 60.4

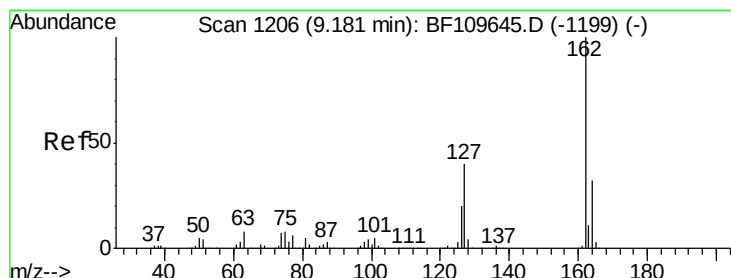
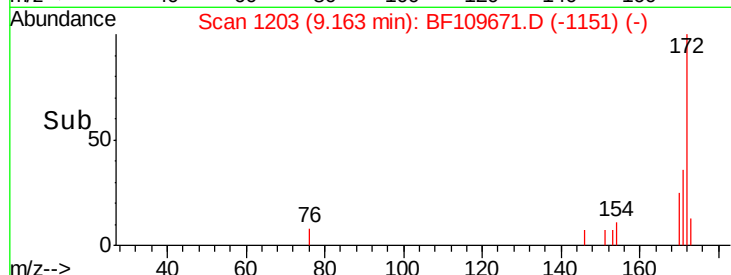
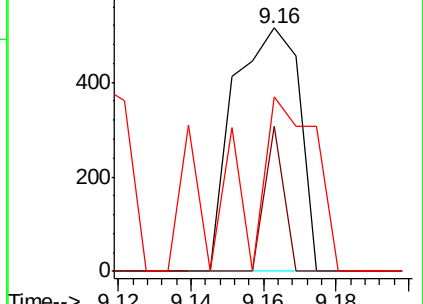
76 71.7 0.0 31.9#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1



#46

2-Chloronaphthalene

Concen: 0.015 ng

RT: 9.45 min Scan# 1251

Delta R.T. 0.26 min

Lab File: BF109671.D

Acq: 9 Oct 2018 2:09

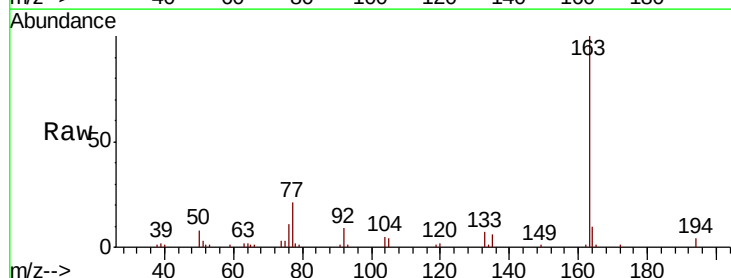
Tgt Ion:162 Resp: 162

Ion Ratio Lower Upper

162 100

127 0.0 32.6 48.8#

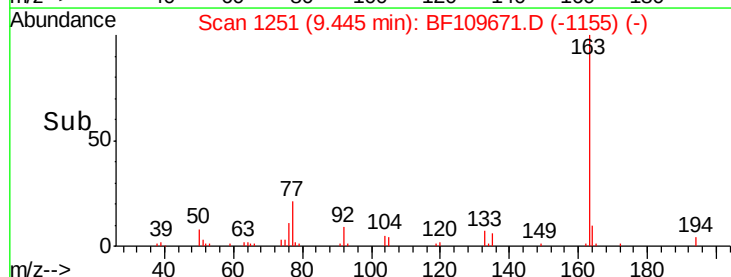
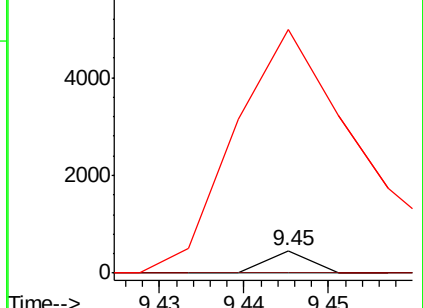
164 1087.6 25.9 38.9#

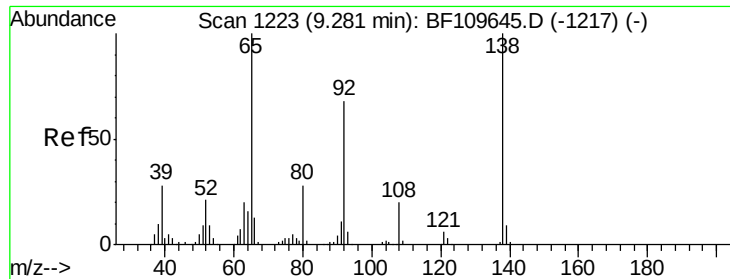


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

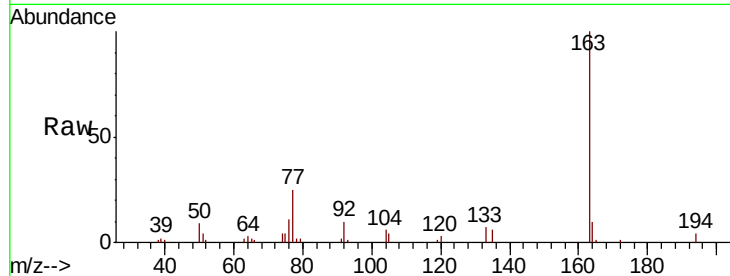




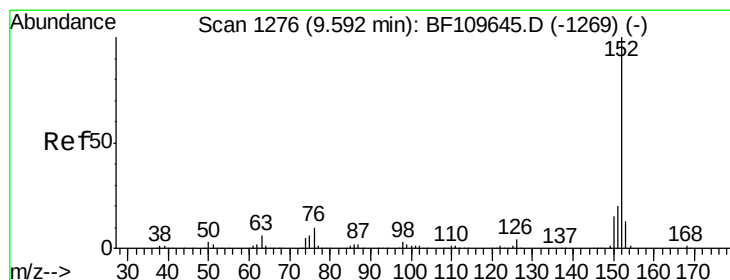
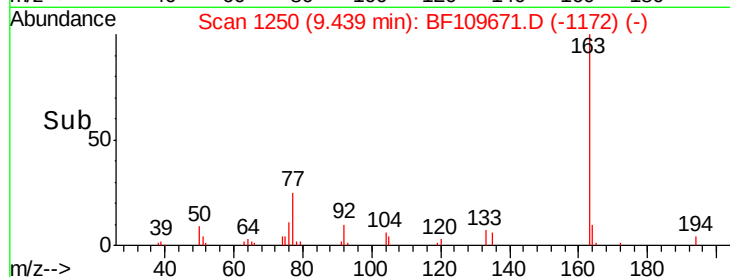
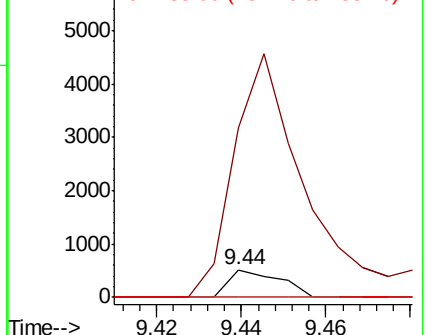
#47  
2-Nitroaniline  
Concen: 0.134 ng  
RT: 9.44 min Scan# 1250  
Delta R.T. 0.16 min  
Lab File: BF109671.D  
Acq: 9 Oct 2018 2:09

Instrument :  
BNA\_F  
ClientSampleId :  
TRACK-D-6

Tgt Ion: 65 Resp: 436  
Ion Ratio Lower Upper  
65 100  
92 616.9 54.6 81.8#  
138 0.0 80.3 120.5#

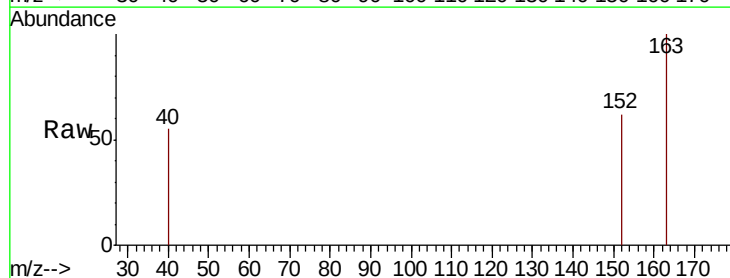


Abundance Ion 65.00 (64.70 to 65.70): BF1  
Ion 92.00 (91.70 to 92.70): BF1  
Ion 138.00 (137.70 to 138.70): BF1

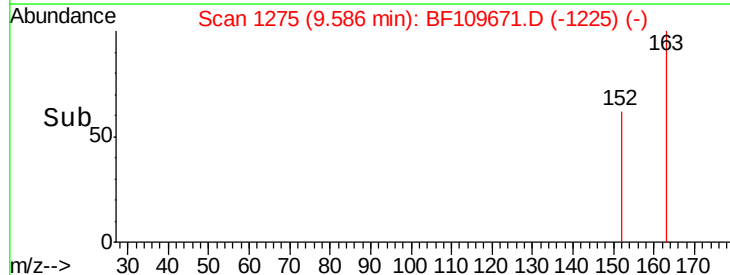
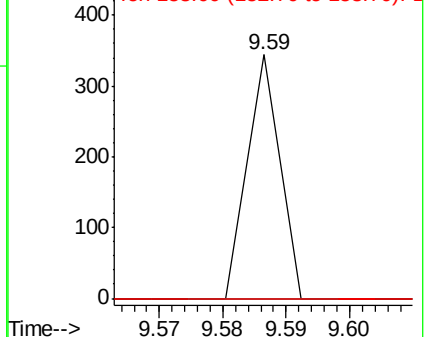


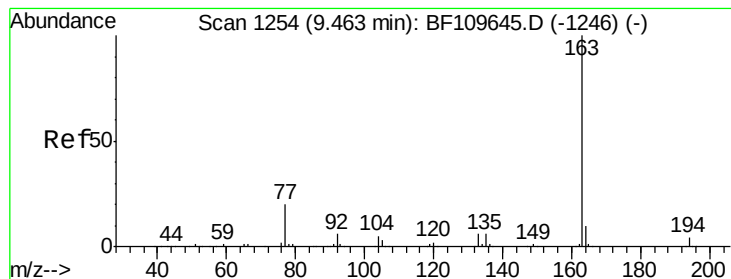
#48  
Acenaphthylene  
Concen: 0.008 ng  
RT: 9.59 min Scan# 1275  
Delta R.T. -0.01 min  
Lab File: BF109671.D  
Acq: 9 Oct 2018 2:09

Tgt Ion: 152 Resp: 121  
Ion Ratio Lower Upper  
152 100  
151 0.0 15.8 23.8#  
153 0.0 10.4 15.6#



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





#49

Dimethylphthalate

Concen: 5.491 ng

RT: 9.45 min Scan# 1251

Delta R.T. -0.02 min

Lab File: BF109671.D

Acq: 9 Oct 2018 2:09

Instrument :

BNA\_F

ClientSampleId :

TRACK-D-6

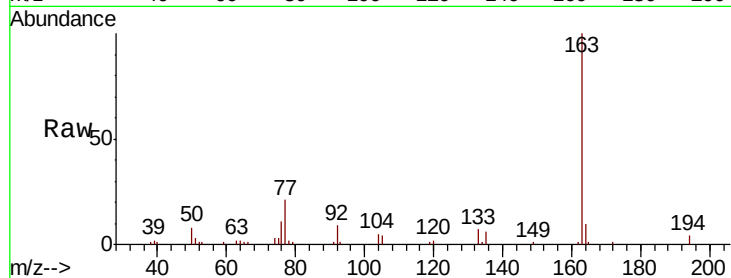
Tgt Ion:163 Resp: 64553

Ion Ratio Lower Upper

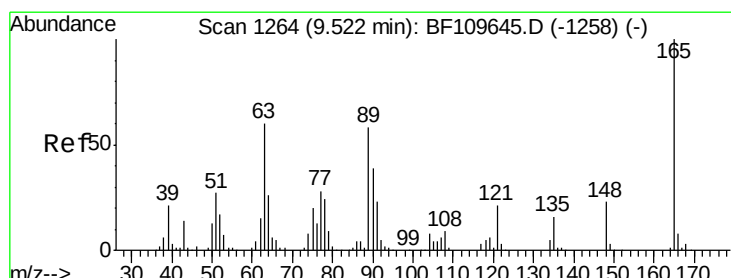
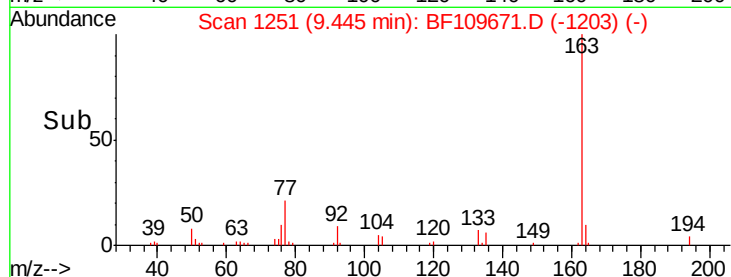
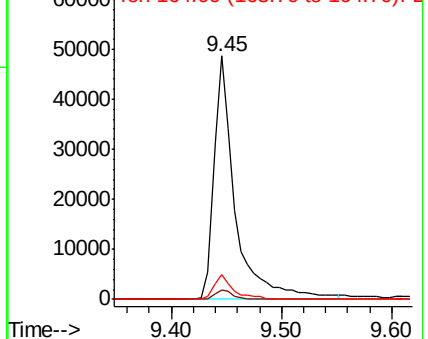
163 100

194 3.8 3.2 4.8

164 10.2 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



#50

2,6-Dinitrotoluene

Concen: 7.749 ng

RT: 9.72 min Scan# 1298

Delta R.T. 0.20 min

Lab File: BF109671.D

Acq: 9 Oct 2018 2:09

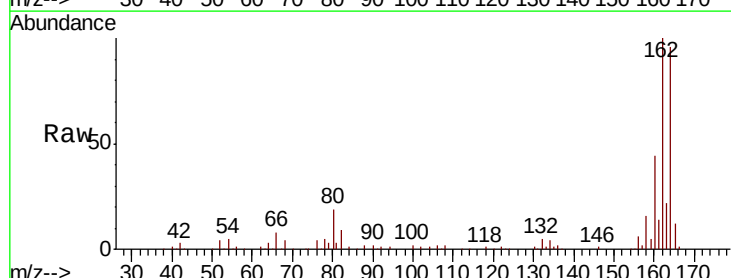
Tgt Ion:165 Resp: 19749

Ion Ratio Lower Upper

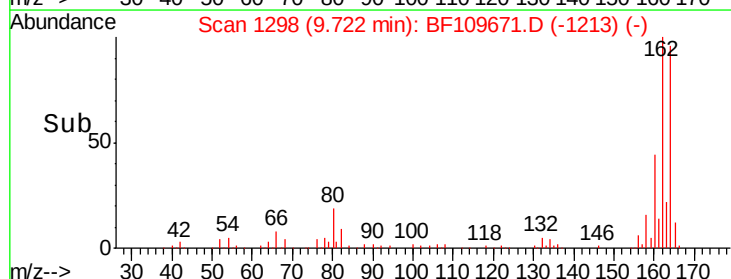
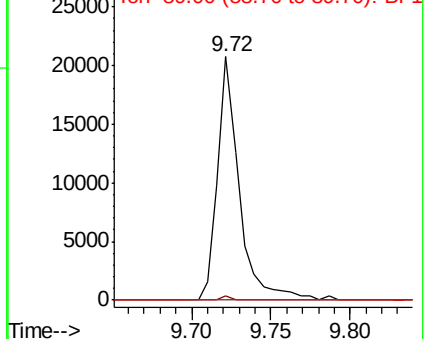
165 100

63 1.6 48.9 73.3#

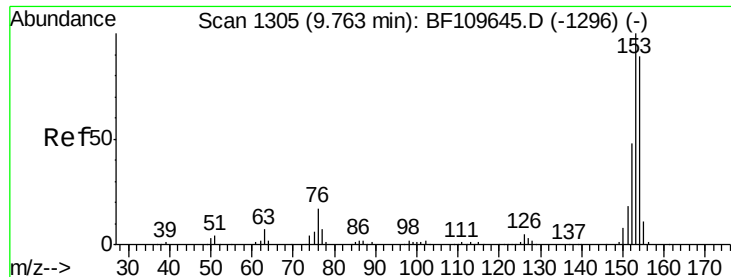
89 0.0 46.6 69.8#



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







#51

Acenaphthene

Concen: 0.040 ng

RT: 9.72 min Scan# 1298

Delta R.T. -0.04 min

Lab File: BF109671.D

Acq: 9 Oct 2018 2:09

Instrument :

BNA\_F

ClientSampleId :

TRACK-D-6

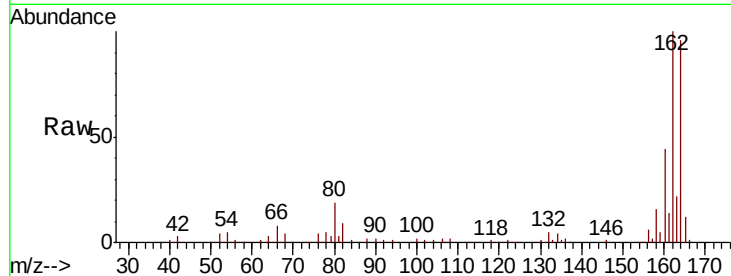
Tgt Ion:154 Resp: 367

Ion Ratio Lower Upper

154 100

153 0.0 90.1 135.1#

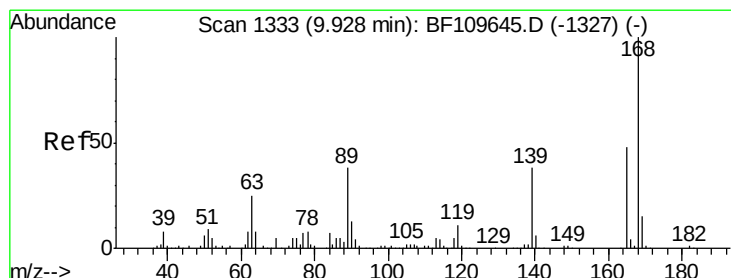
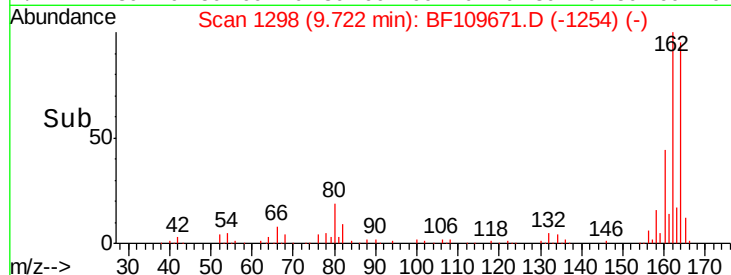
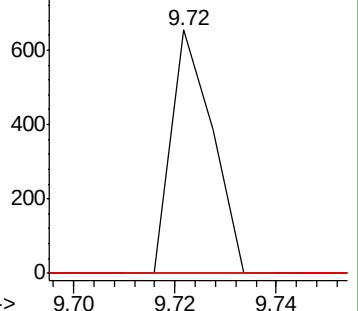
152 0.0 43.4 65.2#



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



#56

2,4-Dinitrotoluene

Concen: 6.210 ng

RT: 9.72 min Scan# 1298

Delta R.T. -0.21 min

Lab File: BF109671.D

Acq: 9 Oct 2018 2:09

Tgt Ion:165 Resp: 19749

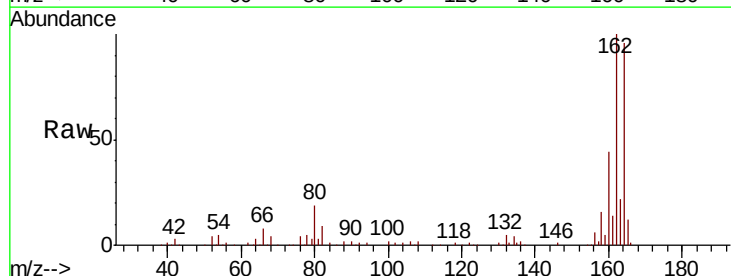
Ion Ratio Lower Upper

165 100

63 1.6 44.8 67.2#

89 0.0 62.2 93.4#

182 0.0 2.1 3.1#

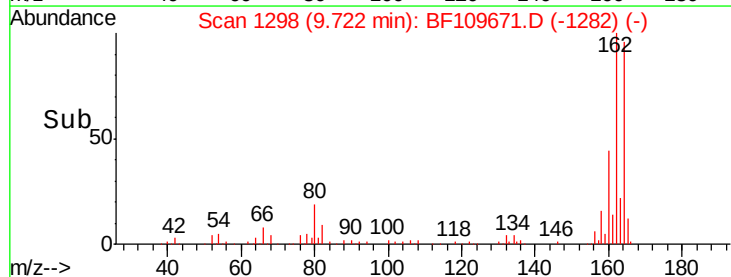
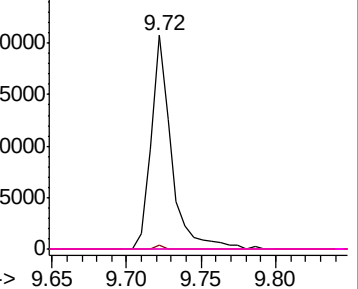


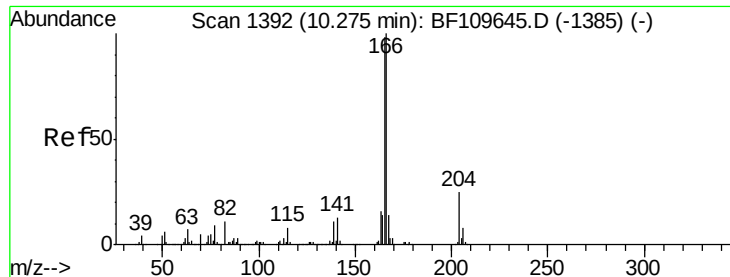
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

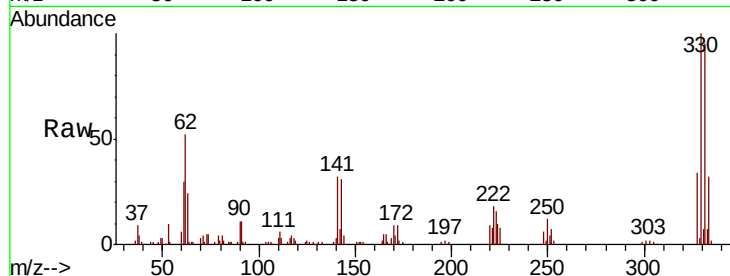




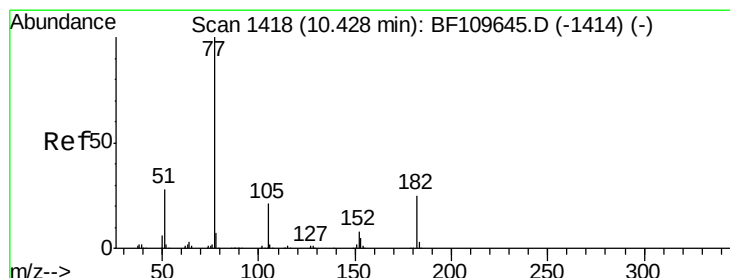
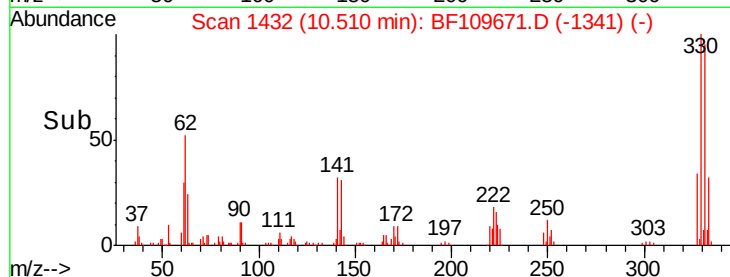
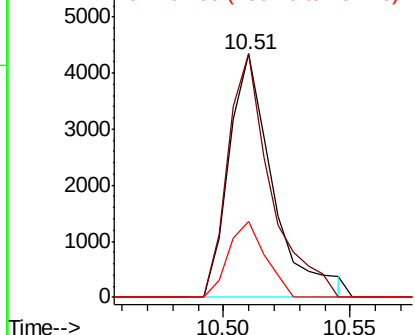
#57  
 Fluorene  
 Concen: 0.502 ng  
 RT: 10.51 min Scan# 1432  
 Delta R.T. 0.24 min  
 Lab File: BF109671.D  
 Acq: 9 Oct 2018 2:09

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TRACK-D-6

Tgt Ion: 166 Resp: 5206  
 Ion Ratio Lower Upper  
 166 100  
 165 100.1 78.6 117.8  
 167 31.1 10.8 16.2#



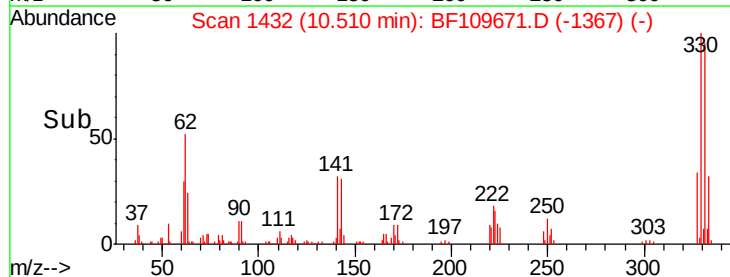
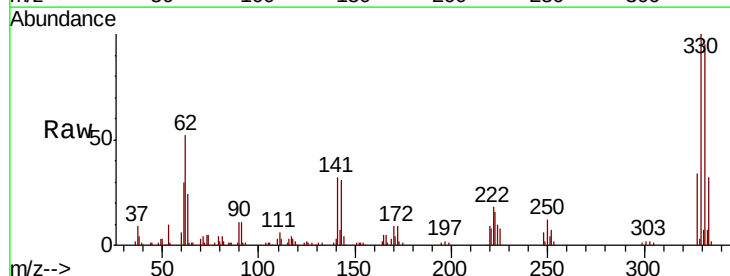
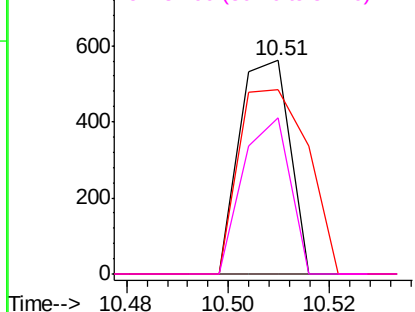
Abundance Ion 166.00 (165.70 to 166.70): E  
 Ion 165.00 (164.70 to 165.70): E  
 Ion 167.00 (166.70 to 167.70): E

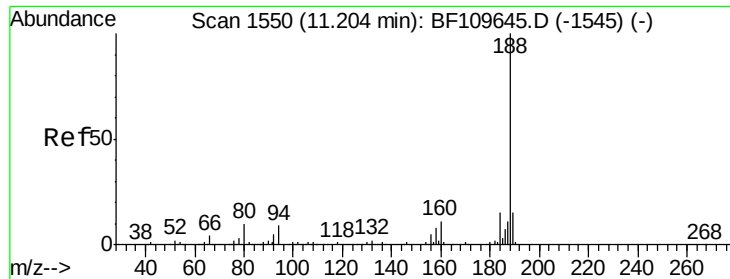


#62  
 Azobenzene  
 Concen: 0.033 ng  
 RT: 10.51 min Scan# 1432  
 Delta R.T. 0.08 min  
 Lab File: BF109671.D  
 Acq: 9 Oct 2018 2:09

Tgt Ion: 77 Resp: 385  
 Ion Ratio Lower Upper  
 77 100  
 182 0.0 4.3 44.3#  
 105 86.1 1.3 41.3#  
 51 72.9 9.0 49.0#

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

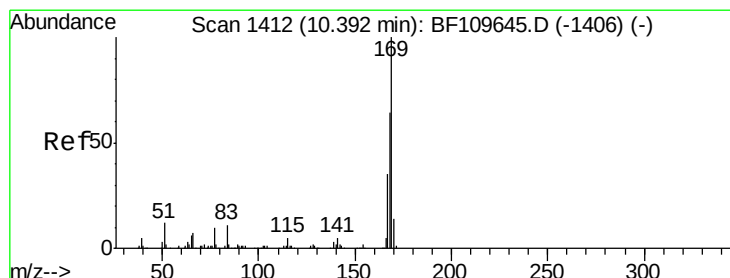
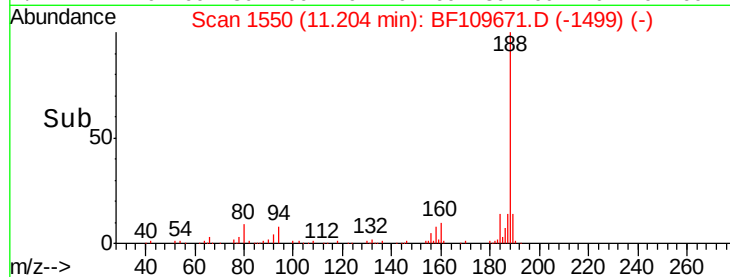
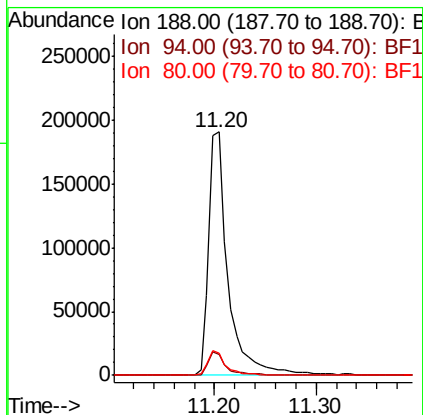
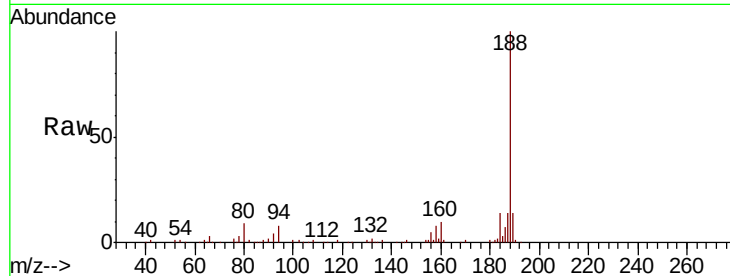




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.20 min Scan# 1550  
Delta R.T. 0.00 min  
Lab File: BF109671.D  
Acq: 9 Oct 2018 2:09

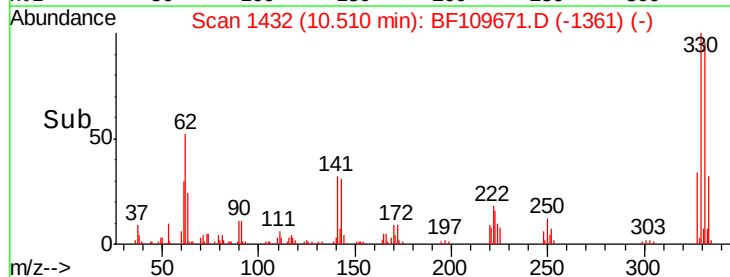
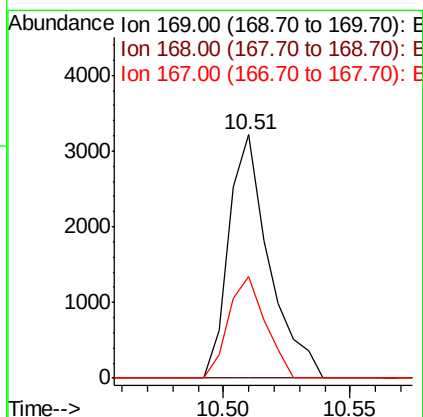
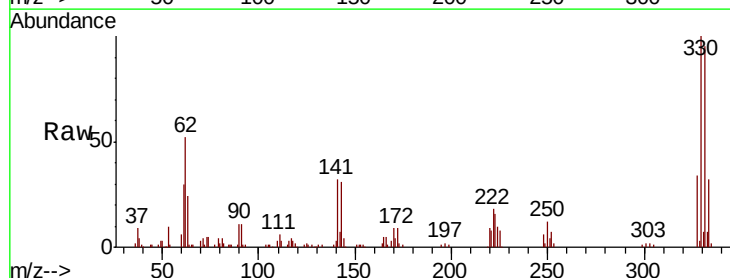
Instrument :  
BNA\_F  
ClientSampleId :  
TRACK-D-6

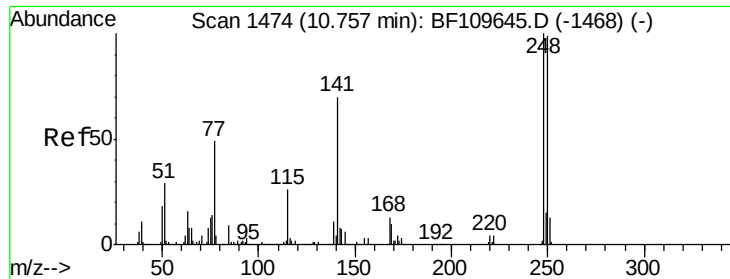
Tgt Ion:188 Resp: 253239  
Ion Ratio Lower Upper  
188 100  
94 8.4 7.2 10.8  
80 9.0 7.9 11.9



#65  
n-Nitrosodiphenylamine  
Concen: 0.414 ng  
RT: 10.51 min Scan# 1432  
Delta R.T. 0.12 min  
Lab File: BF109671.D  
Acq: 9 Oct 2018 2:09

Tgt Ion:169 Resp: 3552  
Ion Ratio Lower Upper  
169 100  
168 0.0 51.2 76.8#  
167 41.9 27.8 41.6#

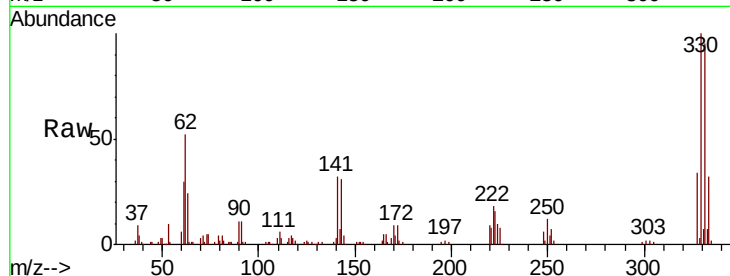




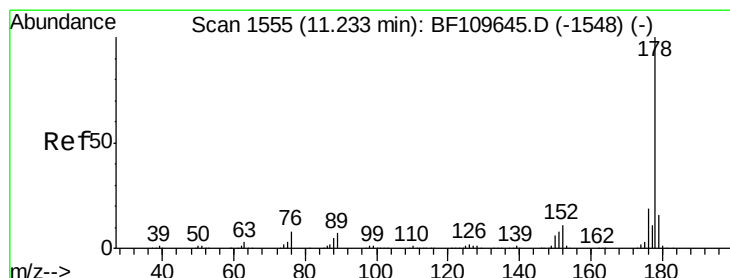
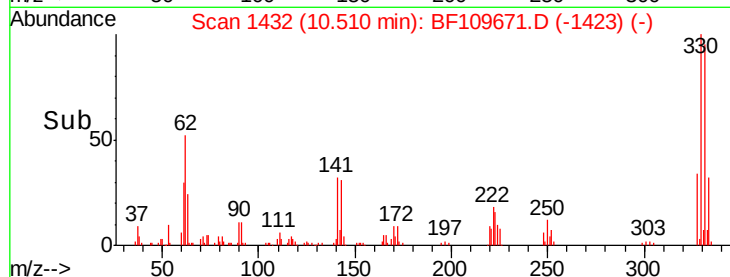
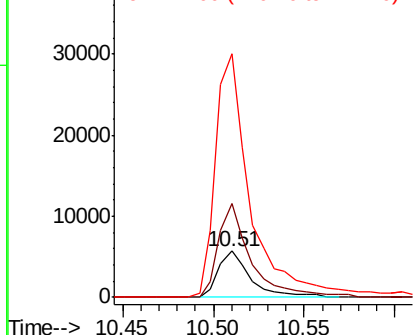
#66  
 4-Bromophenyl-phenylether  
 Concen: 2.437 ng  
 RT: 10.51 min Scan# 1432  
 Delta R.T. -0.25 min  
 Lab File: BF109671.D  
 Acq: 9 Oct 2018 2:09

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TRACK-D-6

Tgt Ion:248 Resp: 7090  
 Ion Ratio Lower Upper  
 248 100  
 250 203.2 79.4 119.2#  
 141 526.1 55.9 83.9#

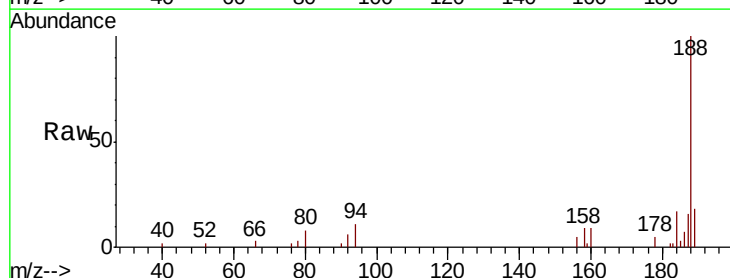


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

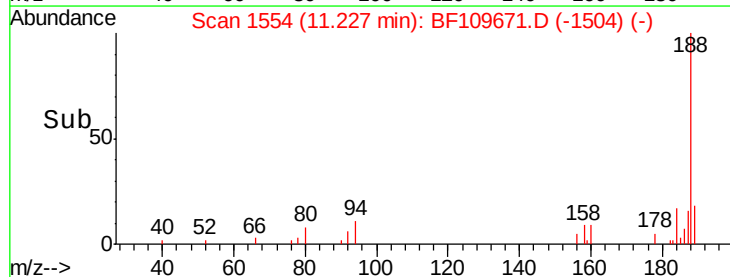
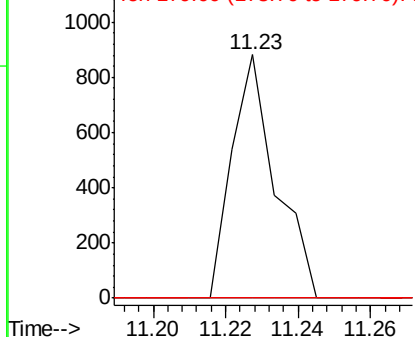


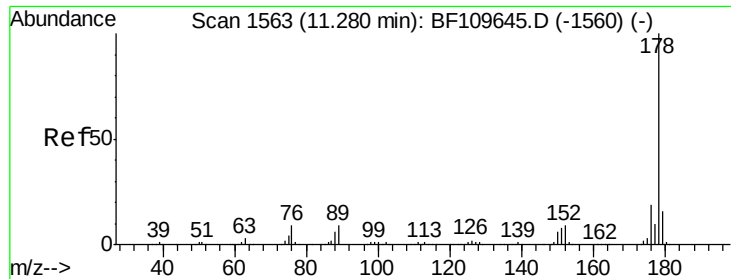
#70  
 Phenanthrene  
 Concen: 0.059 ng  
 RT: 11.23 min Scan# 1554  
 Delta R.T. -0.01 min  
 Lab File: BF109671.D  
 Acq: 9 Oct 2018 2:09

Tgt Ion:178 Resp: 744  
 Ion Ratio Lower Upper  
 178 100  
 176 0.0 15.5 23.3#  
 179 0.0 12.5 18.7#



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





#71

Anthracene

Concen: 0.025 ng

RT: 11.30 min Scan# 1566

Delta R.T. 0.02 min

Lab File: BF109671.D

Acq: 9 Oct 2018 2:09

Instrument :

BNA\_F

ClientSampleId :

TRACK-D-6

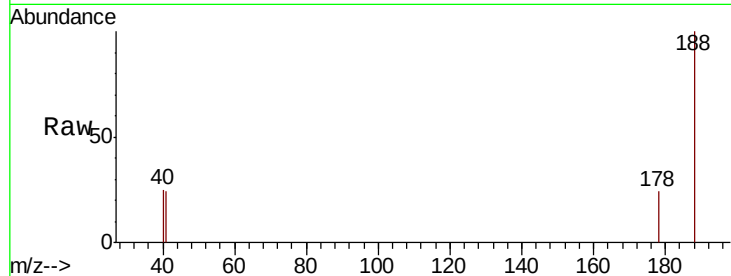
Tgt Ion:178 Resp: 331

Ion Ratio Lower Upper

178 100

176 0.0 15.4 23.2#

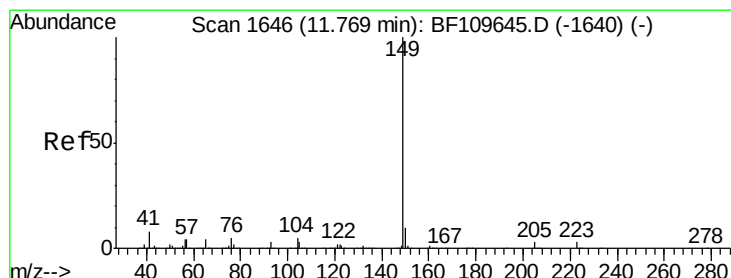
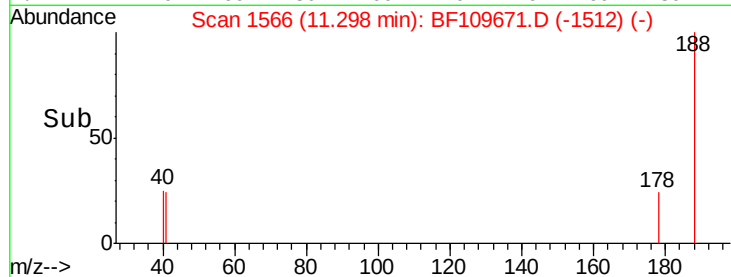
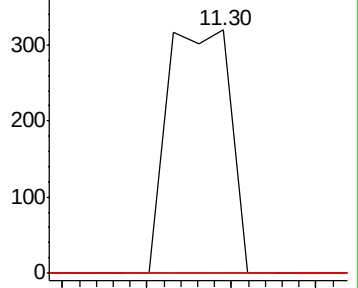
179 0.0 12.6 18.8#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#73

Di-n-butylphthalate

Concen: 0.025 ng

RT: 11.77 min Scan# 1646

Delta R.T. 0.00 min

Lab File: BF109671.D

Acq: 9 Oct 2018 2:09

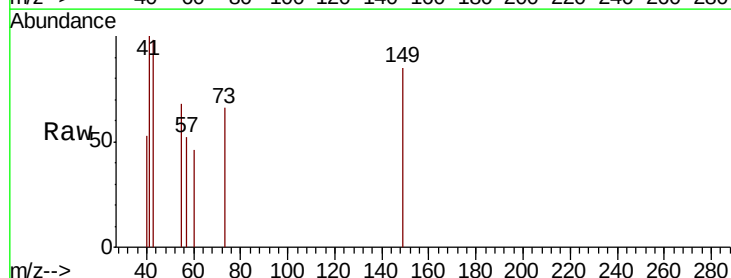
Tgt Ion:149 Resp: 366

Ion Ratio Lower Upper

149 100

150 0.0 7.7 11.5#

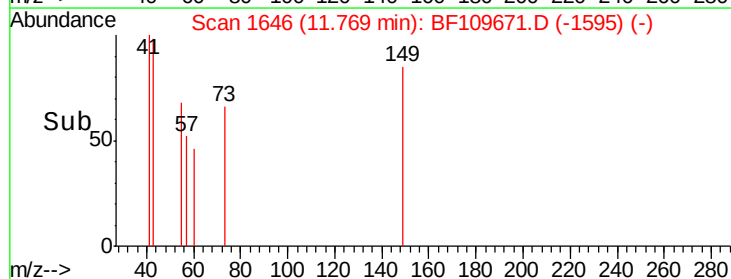
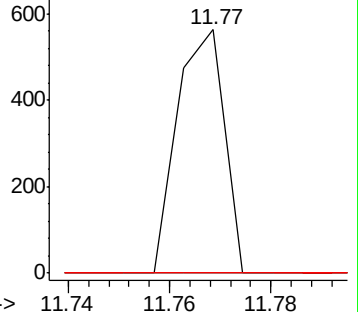
104 0.0 4.2 6.4#

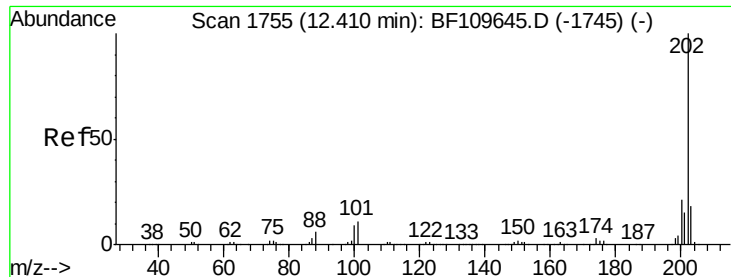


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

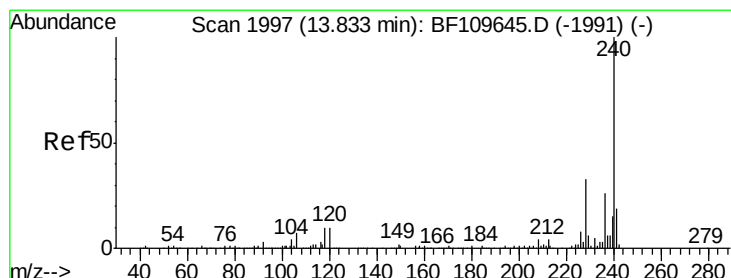
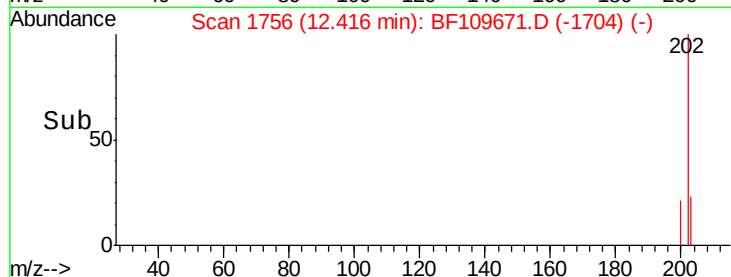
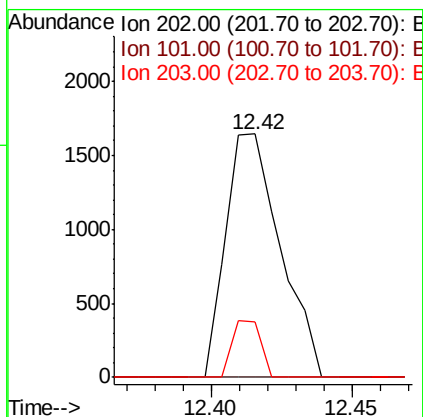
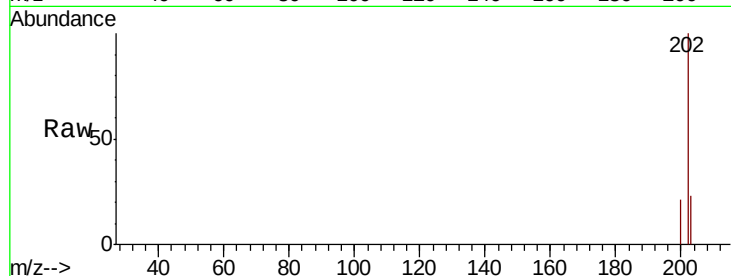




#74  
 Fluoranthene  
 Concen: 0.167 ng  
 RT: 12.42 min Scan# 1756  
 Delta R.T. 0.01 min  
 Lab File: BF109671.D  
 Acq: 9 Oct 2018 2:09

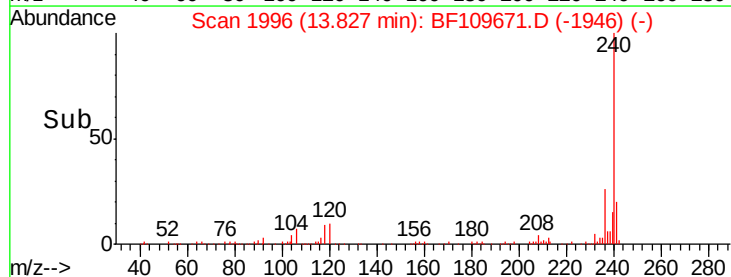
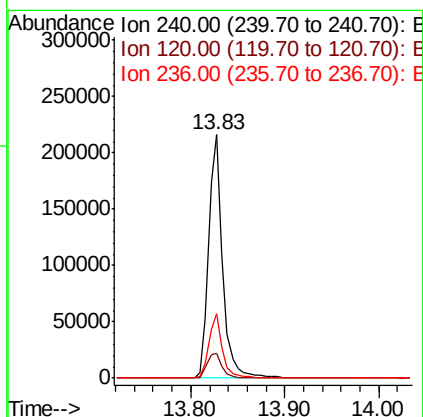
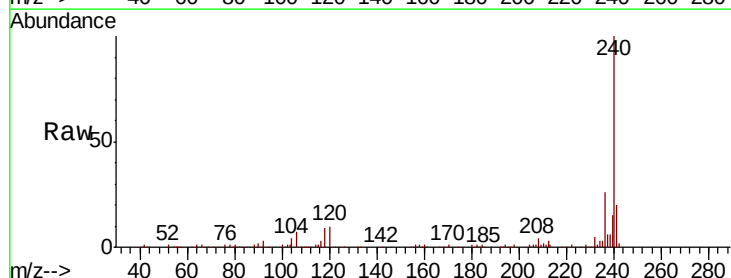
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TRACK-D-6

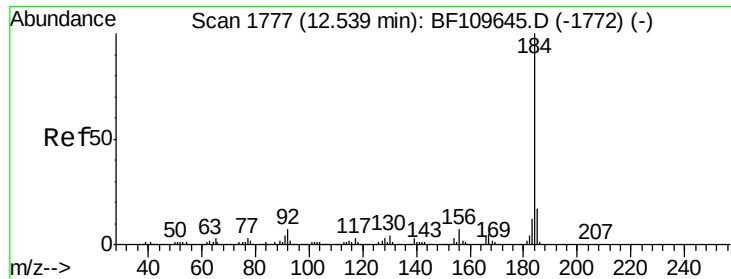
Tgt Ion: 202 Resp: 2213  
 Ion Ratio Lower Upper  
 202 100  
 101 0.0 0.0 31.4  
 203 22.9 0.0 37.7



#75  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 13.83 min Scan# 1996  
 Delta R.T. -0.01 min  
 Lab File: BF109671.D  
 Acq: 9 Oct 2018 2:09

Tgt Ion: 240 Resp: 227866  
 Ion Ratio Lower Upper  
 240 100  
 120 10.0 8.3 12.5  
 236 26.3 21.2 31.8





#76

Benzidine

Concen: 0.784 ng

RT: 12.78 min Scan# 1818

Delta R.T. 0.24 min

Lab File: BF109671.D

Acq: 9 Oct 2018 2:09

Instrument :

BNA\_F

ClientSampleId :

TRACK-D-6

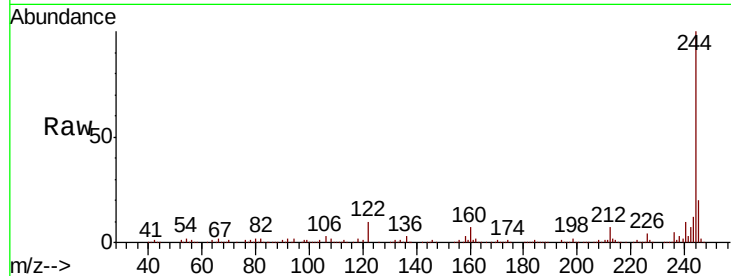
Tgt Ion:184 Resp: 6635

Ion Ratio Lower Upper

184 100

185 14.4 13.4 20.2

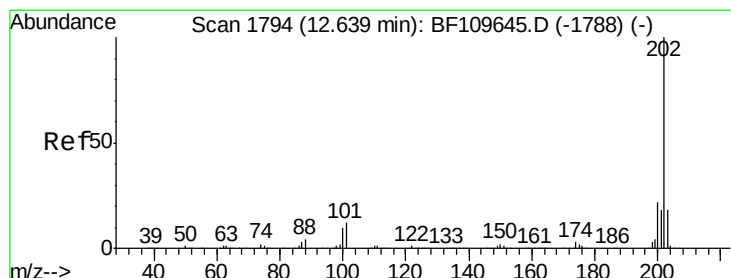
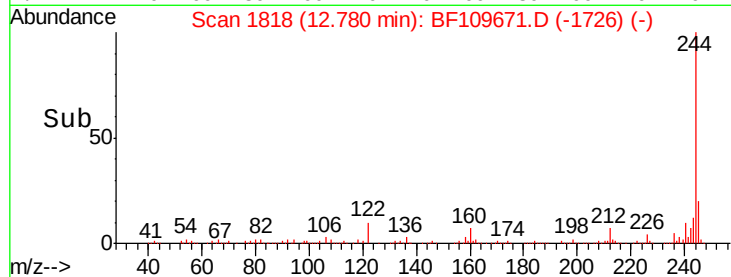
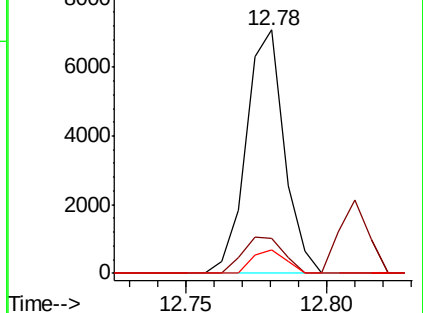
183 9.8 9.4 14.2



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



#77

Pyrene

Concen: 0.149 ng

RT: 12.64 min Scan# 1794

Delta R.T. 0.00 min

Lab File: BF109671.D

Acq: 9 Oct 2018 2:09

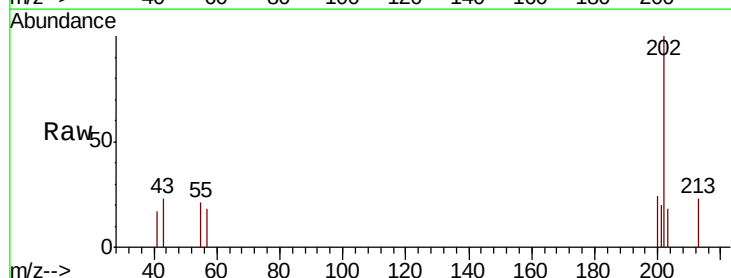
Tgt Ion:202 Resp: 2489

Ion Ratio Lower Upper

202 100

200 23.9 17.8 26.6

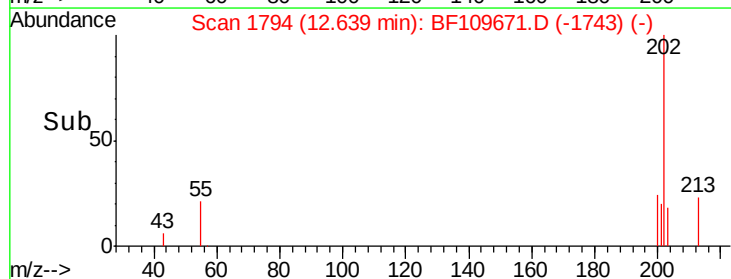
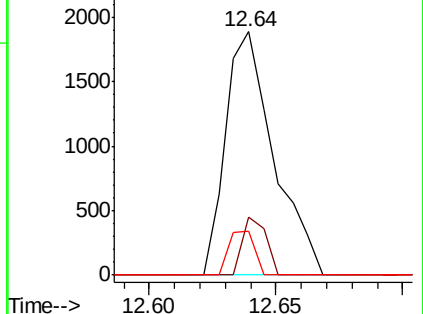
203 18.0 14.2 21.4

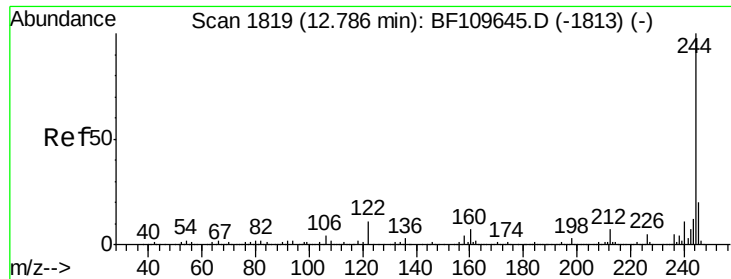


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

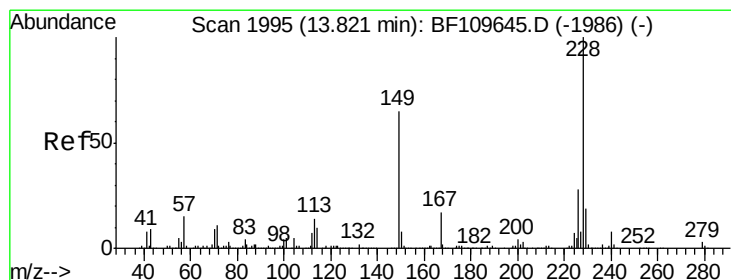
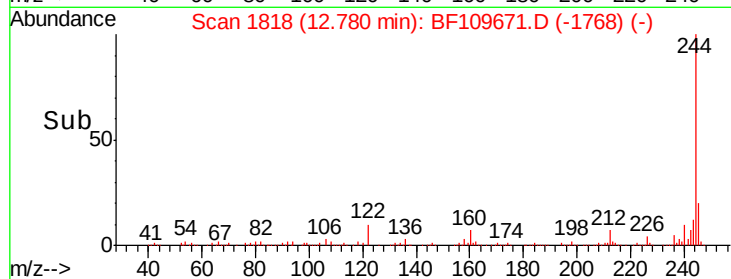
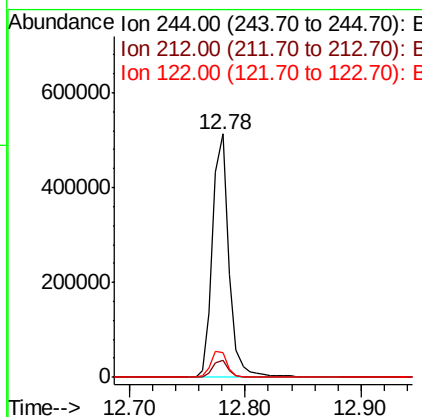
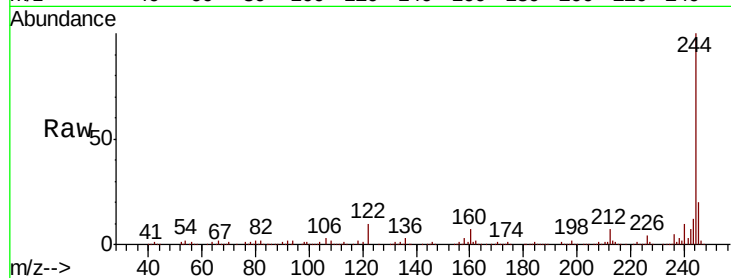




#78  
 Terphenyl-d14  
 Concen: 43.188 ng  
 RT: 12.78 min Scan# 1818  
 Delta R.T. -0.01 min  
 Lab File: BF109671.D  
 Acq: 9 Oct 2018 2:09

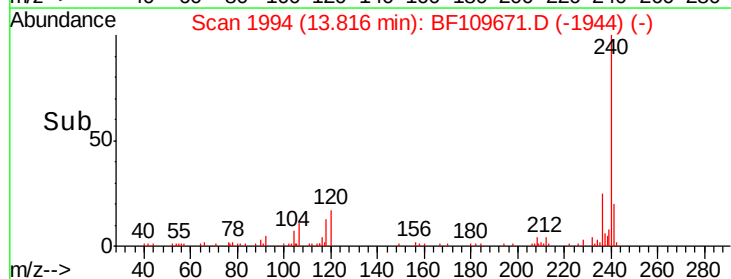
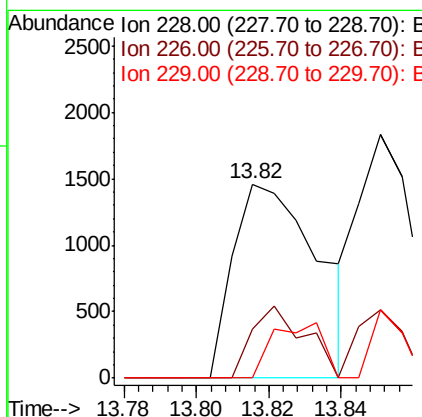
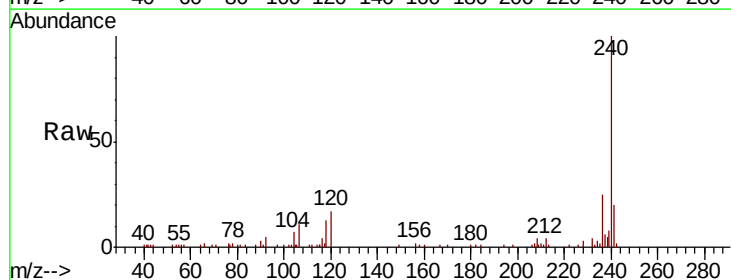
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TRACK-D-6

Tgt Ion: 244 Resp: 508365  
 Ion Ratio Lower Upper  
 244 100  
 212 6.8 5.8 8.8  
 122 10.2 8.7 13.1

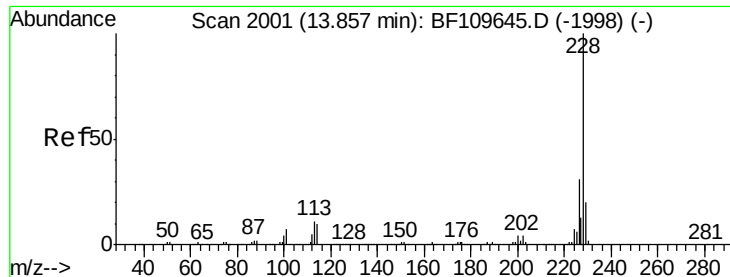


#80  
 Benzo(a)anthracene  
 Concen: 0.188 ng  
 RT: 13.82 min Scan# 1994  
 Delta R.T. -0.01 min  
 Lab File: BF109671.D  
 Acq: 9 Oct 2018 2:09

Tgt Ion: 228 Resp: 2365  
 Ion Ratio Lower Upper  
 228 100  
 226 25.4 22.1 33.1  
 229 0.0 15.6 23.4#







#82

Chrysene

Concen: 0.141 ng

RT: 13.85 min Scan# 2000

Delta R.T. -0.01 min

Lab File: BF109671.D

Acq: 9 Oct 2018 2:09

Instrument :

BNA\_F

ClientSampleId :

TRACK-D-6

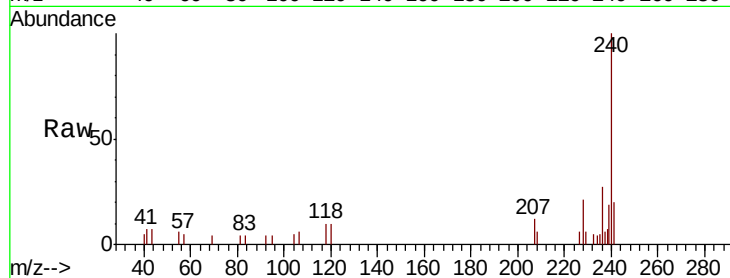
Tgt Ion: 228 Resp: 1866

Ion Ratio Lower Upper

228 100

226 27.9 24.7 37.1

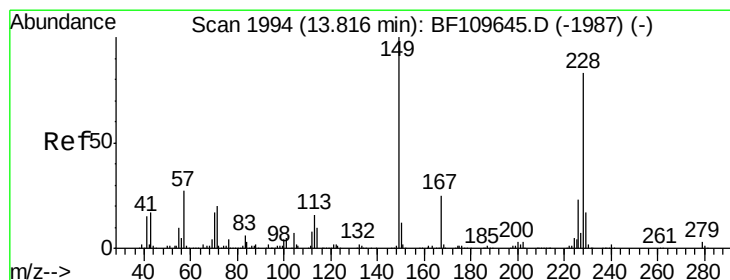
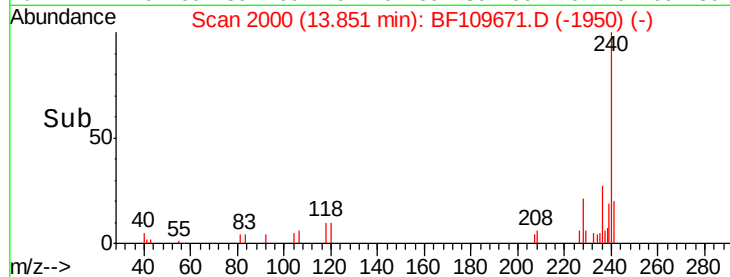
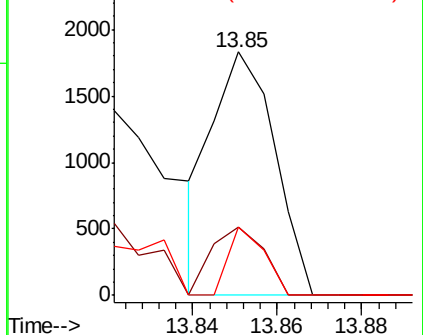
229 28.2 15.9 23.9#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 0.068 ng

RT: 13.82 min Scan# 1994

Delta R.T. 0.00 min

Lab File: BF109671.D

Acq: 9 Oct 2018 2:09

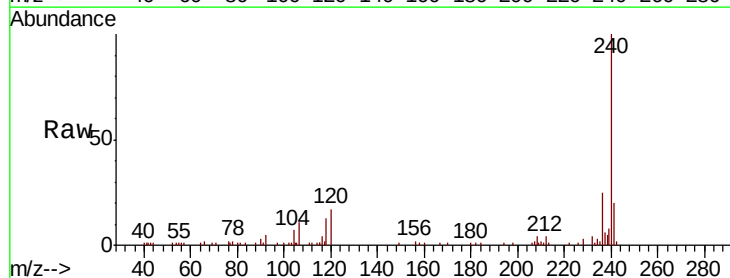
Tgt Ion: 149 Resp: 601

Ion Ratio Lower Upper

149 100

167 51.8 19.8 29.8#

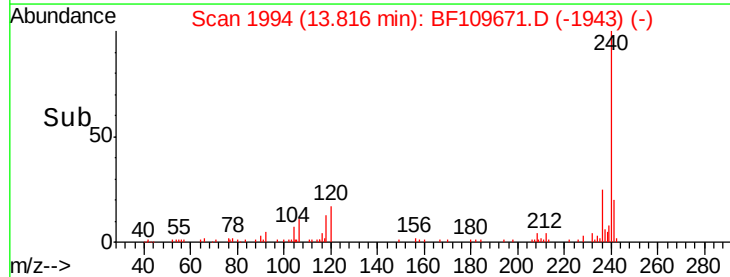
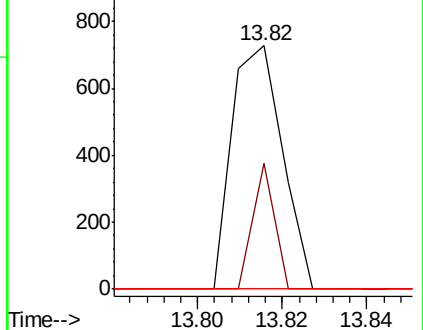
279 0.0 2.7 4.1#

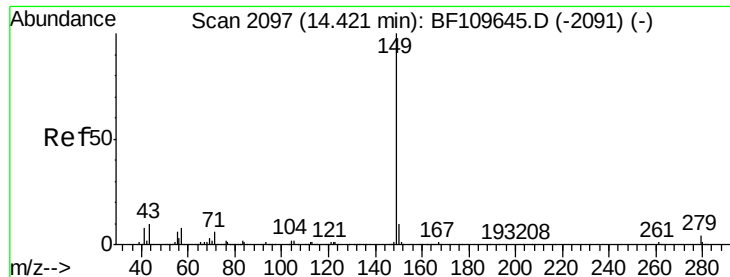


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Di-n-octyl phthalate

Concen: 0.019 ng

RT: 14.46 min Scan# 2103

Delta R.T. 0.04 min

Lab File: BF109671.D

Acq: 9 Oct 2018 2:09

Instrument :

BNA\_F

ClientSampleId :

TRACK-D-6

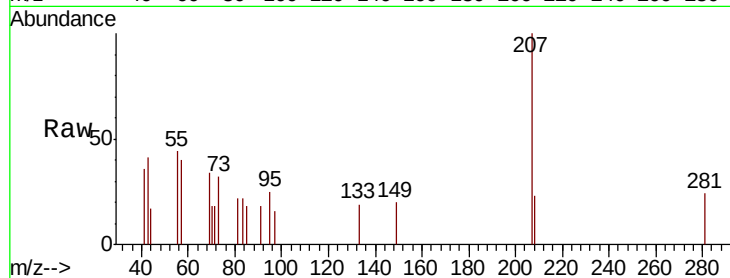
Tgt Ion:149 Resp: 263

Ion Ratio Lower Upper

149 100

167 0.0 1.1 1.7#

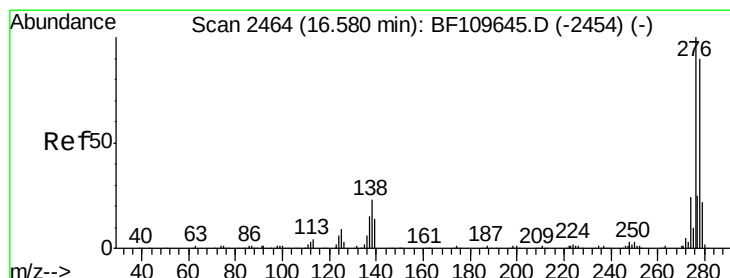
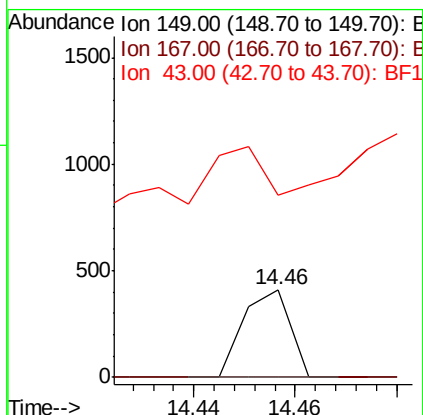
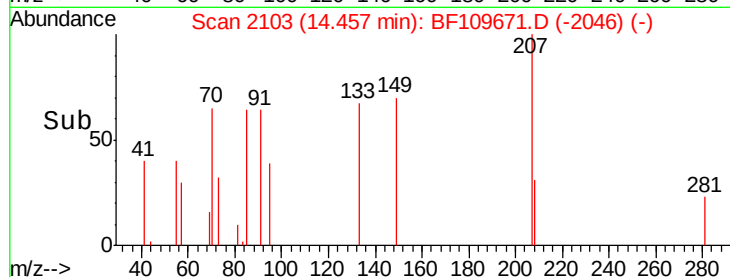
43 115.2 7.8 11.8#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#85

Indeno(1,2,3-cd)pyrene

Concen: 0.040 ng

RT: 16.58 min Scan# 2464

Delta R.T. 0.00 min

Lab File: BF109671.D

Acq: 9 Oct 2018 2:09

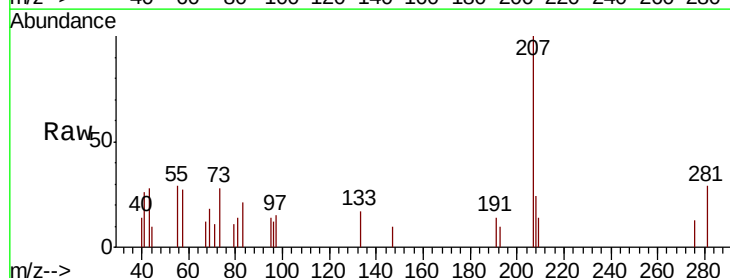
Tgt Ion:276 Resp: 376

Ion Ratio Lower Upper

276 100

138 0.0 18.5 27.7#

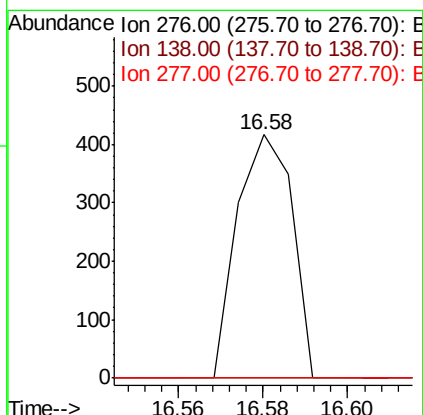
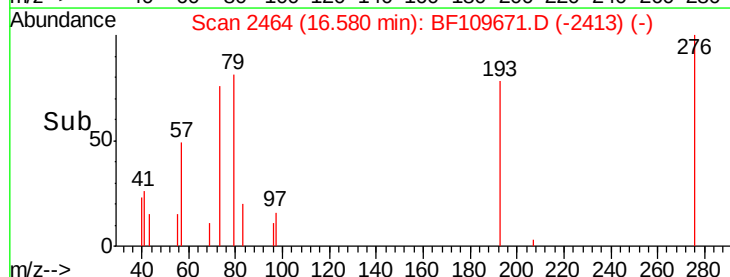
277 0.0 20.0 30.0#

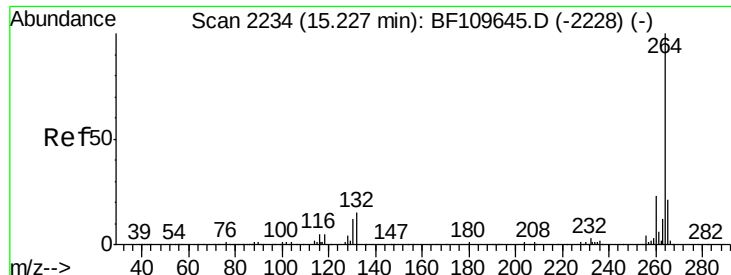


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

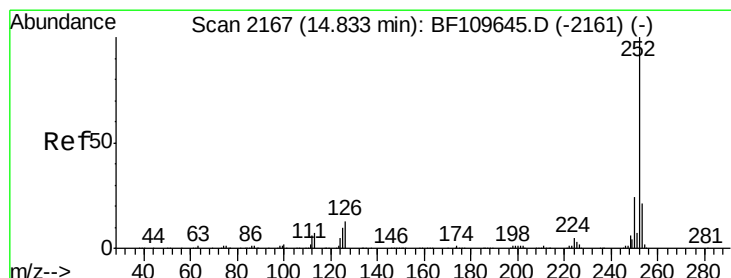
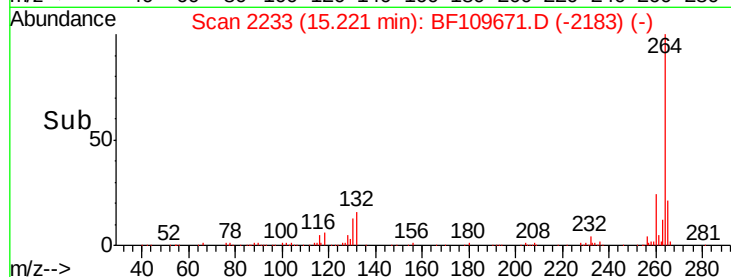
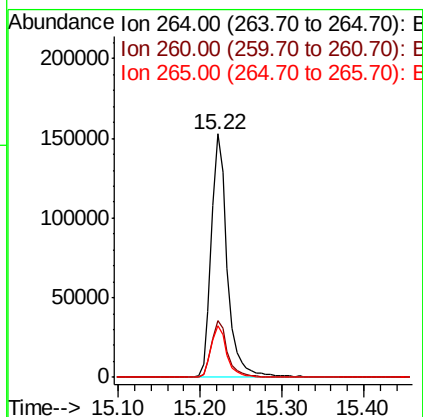
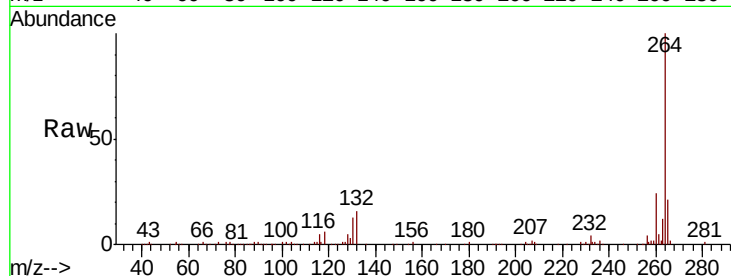




#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.22 min Scan# 2233  
Delta R.T. -0.01 min  
Lab File: BF109671.D  
Acq: 9 Oct 2018 2:09

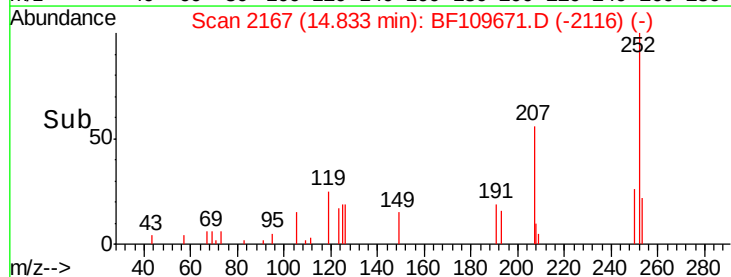
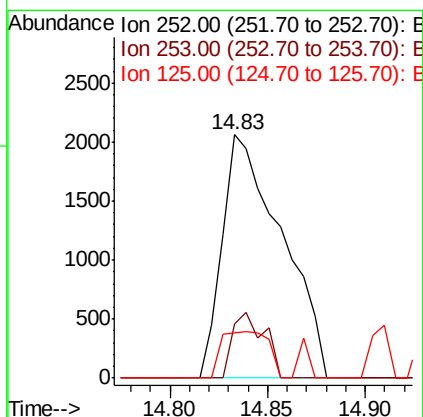
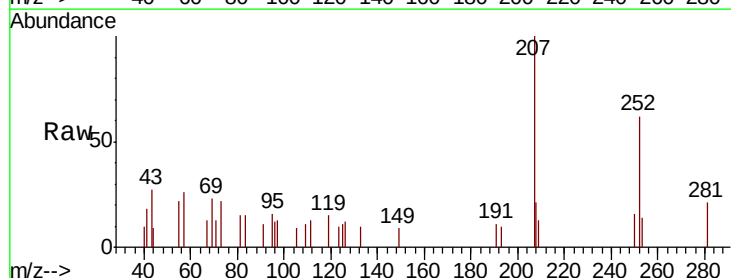
Instrument :  
BNA\_F  
ClientSampleId :  
TRACK-D-6

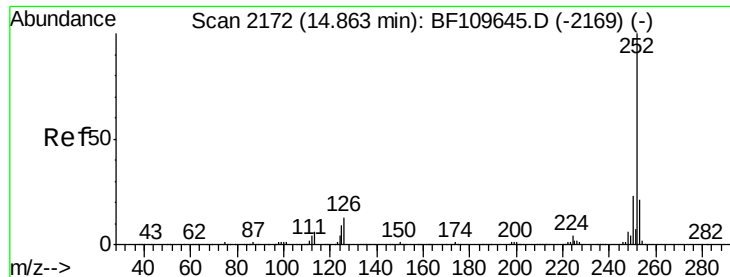
Tgt Ion: 264 Resp: 208334  
Ion Ratio Lower Upper  
264 100  
260 23.6 18.7 28.1  
265 21.0 16.7 25.1



#87  
Benzo(b)fluoranthene  
Concen: 0.378 ng  
RT: 14.83 min Scan# 2167  
Delta R.T. 0.00 min  
Lab File: BF109671.D  
Acq: 9 Oct 2018 2:09

Tgt Ion: 252 Resp: 4356  
Ion Ratio Lower Upper  
252 100  
253 22.2 17.2 25.8  
125 18.6 8.2 12.4#

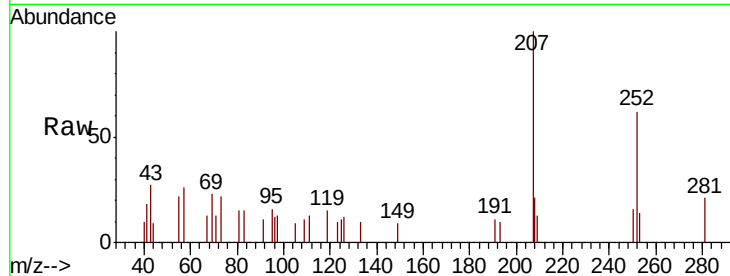




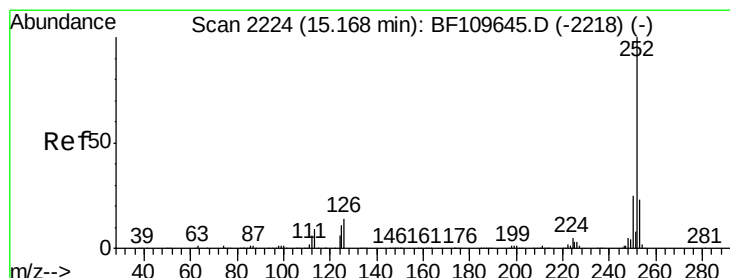
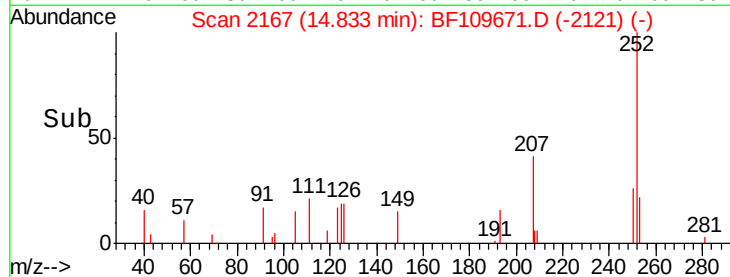
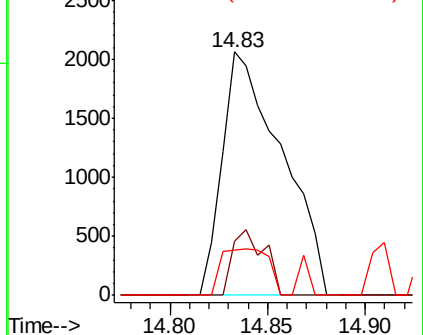
#88  
Benzo(k)fluoranthene  
Concen: 0.377 ng  
RT: 14.83 min Scan# 2167  
Delta R.T. -0.03 min  
Lab File: BF109671.D  
Acq: 9 Oct 2018 2:09

Instrument :  
BNA\_F  
ClientSampled :  
TRACK-D-6

Tgt Ion:252 Resp: 4356  
Ion Ratio Lower Upper  
252 100  
253 22.2 17.2 25.8  
125 18.6 7.4 11.0#

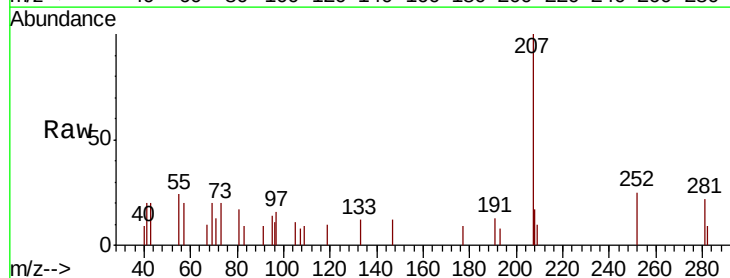


Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

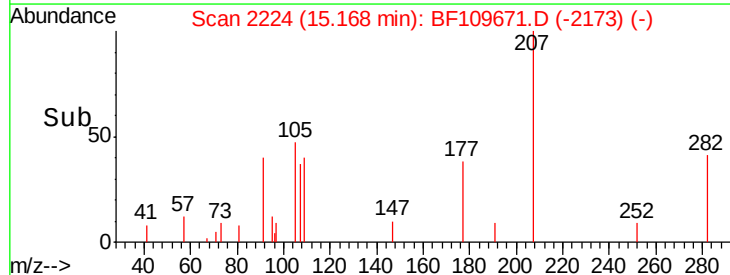
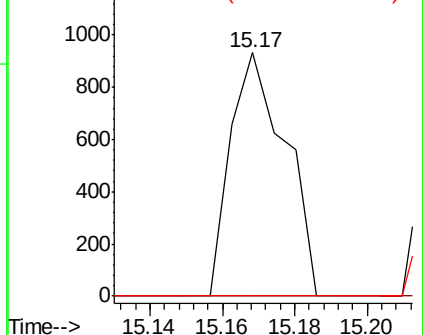


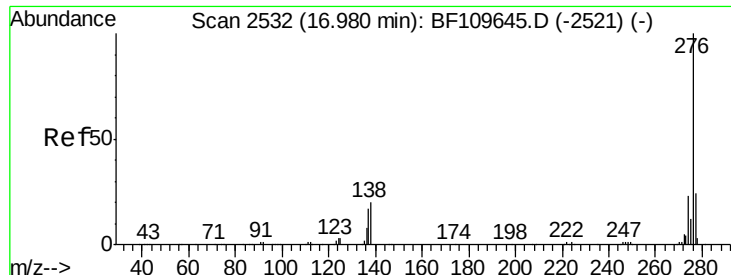
#89  
Benzo(a)pyrene  
Concen: 0.094 ng  
RT: 15.17 min Scan# 2224  
Delta R.T. 0.00 min  
Lab File: BF109671.D  
Acq: 9 Oct 2018 2:09

Tgt Ion:252 Resp: 981  
Ion Ratio Lower Upper  
252 100  
253 0.0 18.2 27.4#  
125 0.0 9.0 13.6#



Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E





#91

Benzo(g,h,i)perylene

Concen: 0.027 ng

RT: 16.98 min Scan# 2532

Delta R.T. 0.00 min

Lab File: BF109671.D

Acq: 9 Oct 2018 2:09

Instrument :

BNA\_F

ClientSampleId :

TRACK-D-6

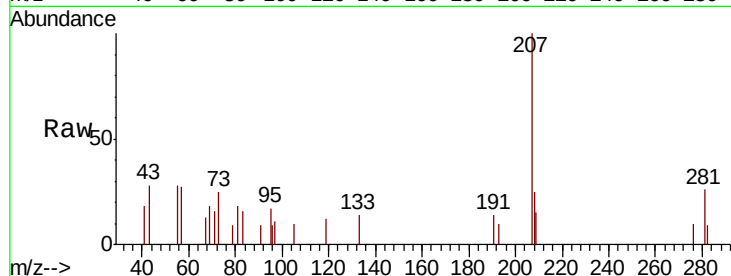
Tgt Ion: 276 Resp: 234

Ion Ratio Lower Upper

276 100

277 0.0 18.8 28.2#

138 0.0 16.0 24.0#



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

16.98

