

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030420\  
 Data File : BF119197.D  
 Acq On : 4 Mar 2020 16:23  
 Operator : CG/JU  
 Sample : L1724-01  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

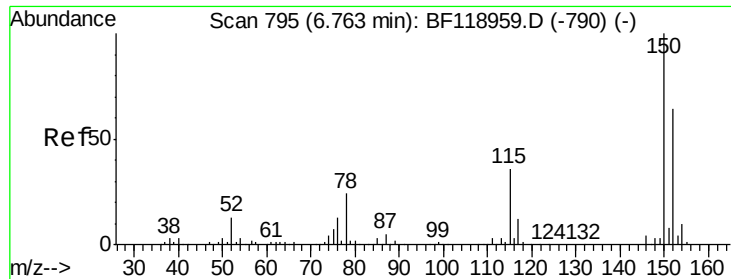
Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Mar 04 16:57:50 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Feb 26 16:03:05 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.75  | 152  | 120476   | 20.00   | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.03  | 136  | 425833   | 20.00   | ng    | 0.00     |
| 39) Acenaphthene-d10           | 9.79  | 164  | 158735   | 20.00   | ng    | 0.00     |
| 64) Phenanthrene-d10           | 11.27 | 188  | 259474   | 20.00   | ng    | 0.01     |
| 76) Chrysene-d12               | 13.92 | 240  | 6073     | 20.00   | ng    | 0.02     |
| 87) Perylene-d12               | 15.40 | 264  | 248274   | 20.00   | ng    | 0.08     |
| System Monitoring Compounds    |       |      |          |         |       |          |
| 5) 2-Fluorophenol              | 5.39  | 112  | 303113   | 42.05   | ng    | 0.02     |
| 7) Phenol-d6                   | 6.43  | 99   | 49664    | 5.66    | ng    | 0.02     |
| 23) Nitrobenzene-d5            | 7.31  | 82   | 750989   | 93.12   | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol       | 10.59 | 330  | 270632   | 130.33  | ng    | 0.01     |
| 45) 2-Fluorobiphenyl           | 9.12  | 172  | 1114765  | 103.46  | ng    | 0.01     |
| 79) Terphenyl-d14              | 12.91 | 244  | 705848   | 2001.05 | ng    | 0.06     |
| Target Compounds               |       |      |          |         |       |          |
| 6) Aniline                     | 6.44  | 93   | 22683    | 2.097   | ng    | # 20     |
| 11) bis(2-Chloroethyl)ether    | 6.50  | 93   | 136331   | 18.796  | ng    | # 28     |
| 15) Benzyl Alcohol             | 6.90  | 79   | 1500757  | 236.839 | ng    | # 61     |
| 17) 2-Methylphenol             | 6.90  | 107  | 825667   | 130.900 | ng    | # 6      |
| 18) Hexachloroethane           | 7.27  | 117  | 17051    | 5.108   | ng    | # 1      |
| 22) Acetophenone               | 7.14  | 105  | 45833    | 4.652   | ng    | # 53     |
| 32) Benzoic acid               | 7.83  | 122  | 1068     | 6.900   | ng    | # 1      |
| 35) Caprolactam                | 8.50  | 113  | 53689    | 25.825  | ng    | # 1      |
| 36) 4-Chloro-3-methylphenol    | 8.65  | 107  | 67224    | 9.838   | ng    | # 23     |
| 37) 2-Methylnaphthalene        | 8.79  | 142  | 41900    | 2.819   | ng    | # 95     |
| 38) 1-Methylnaphthalene        | 8.88  | 142  | 54469    | 3.897   | ng    | # 94     |
| 46) 1,1'-Biophenyl             | 9.22  | 154  | 35737    | 2.786   | ng    | # 97     |
| 53) 3-Nitroaniline             | 9.77  | 138  | 8730     | 2.920   | ng    | # 29     |
| 54) 2,4-Dinitrophenol          | 9.86  | 184  | 783      | 8.017   | ng    | # 1      |
| 55) Dibenzofuran               | 9.99  | 168  | 31643    | 2.355   | ng    | # 59     |
| 56) 4-Nitrophenol              | 9.92  | 139  | 5290     | 2.945   | ng    | # 1      |
| 62) 4-Nitroaniline             | 10.25 | 138  | 8127     | 2.657   | ng    | # 93     |
| 66) n-Nitrosodiphenylamine     | 10.45 | 169  | 47069    | 5.540   | ng    | # 72     |
| 69) Atrazine                   | 10.96 | 200  | 10736    | 3.617   | ng    | # 1      |
| 77) Benzidine                  | 12.60 | 184  | 8963     | 36.290  | ng    | # 1      |
| 78) Pyrene                     | 12.77 | 202  | 36718    | 75.295  | ng    | # 1      |
| 80) Butylbenzylphthalate       | 13.36 | 149  | 31873    | 155.296 | ng    | # 1      |
| 81) Benzo(a)anthracene         | 13.92 | 228  | 5139     | 12.419  | ng    | # 1      |
| 82) 3,3'-Dichlorobenzidine     | 13.92 | 252  | 5519     | 34.348  | ng    | # 18     |
| 83) Chrysene                   | 13.94 | 228  | 3922     | 9.512   | ng    | # 1      |
| 84) Bis(2-ethylhexyl)phthalate | 13.94 | 149  | 97224    | 374.960 | ng    | # 59     |
| 85) Di-n-octyl phthalate       | 14.53 | 149  | 16327    | 39.520  | ng    | # 82     |
| 86) Indeno(1,2,3-cd)pyrene     | 16.83 | 276  | 4650     | 11.647  | ng    | # 69     |
| 88) Benzo(b)fluoranthene       | 14.99 | 252  | 43272    | 2.644   | ng    | # 1      |
| 89) Benzo(k)fluoranthene       | 14.99 | 252  | 43272    | 2.853   | ng    | # 1      |

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



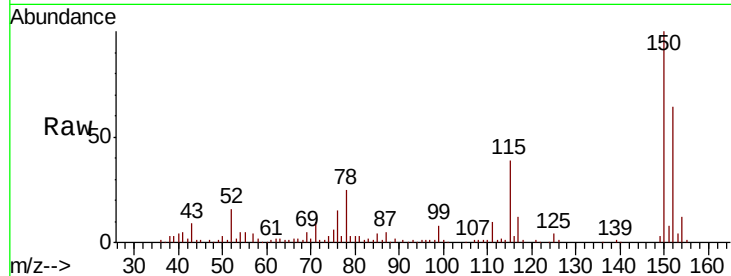


#1

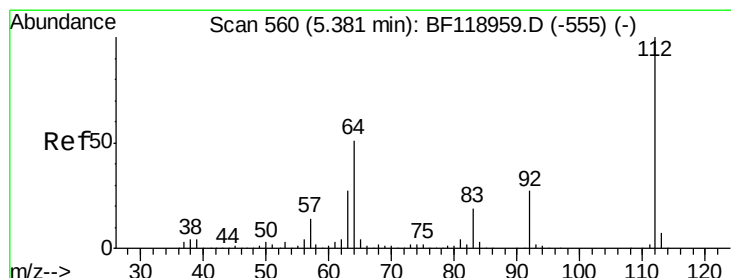
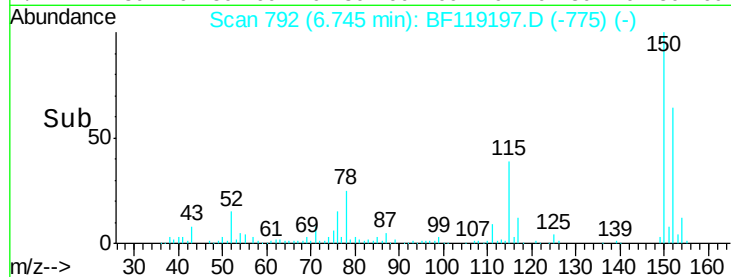
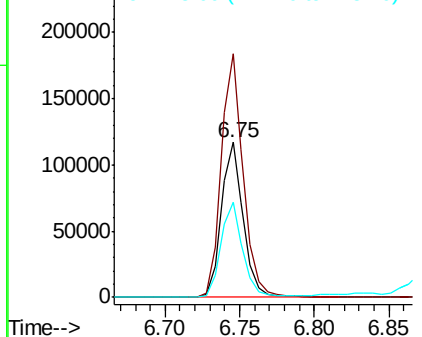
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.75 min Scan# 792  
Delta R.T. -0.00 min  
Lab File: BF119197.D  
Acq: 4 Mar 2020 16:23

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:152 Resp: 120476  
Ion Ratio Lower Upper  
152 100  
150 156.9 123.0 184.6  
115 61.6 49.5 74.3



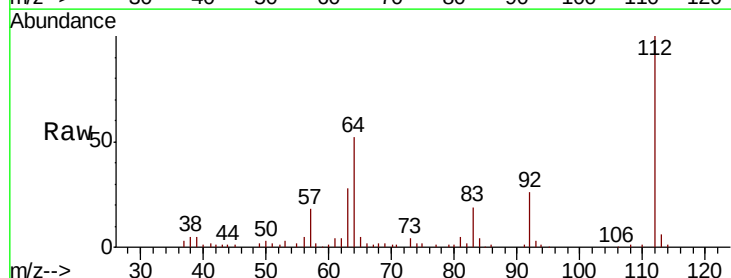
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



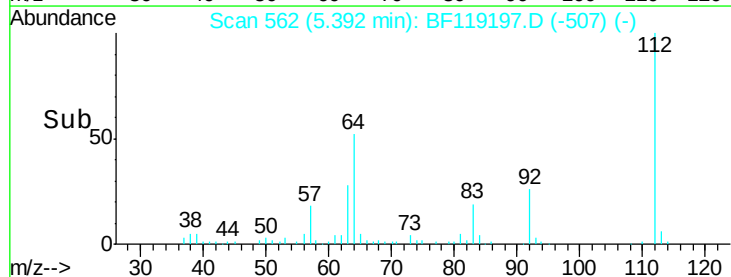
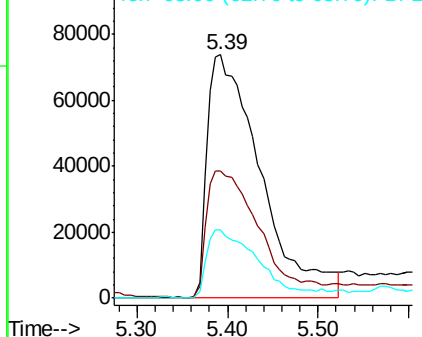
#5

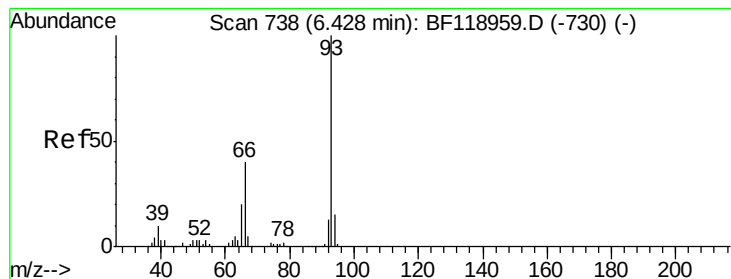
2-Fluorophenol  
Concen: 42.046 ng  
RT: 5.39 min Scan# 562  
Delta R.T. 0.02 min  
Lab File: BF119197.D  
Acq: 4 Mar 2020 16:23

Tgt Ion:112 Resp: 303113  
Ion Ratio Lower Upper  
112 100  
64 52.1 45.0 67.4  
63 27.9 24.2 36.4



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: 2.097 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.02 min

Lab File: BF119197.D

Acq: 4 Mar 2020 16:23

Instrument :

BNA\_F

ClientSampleId :

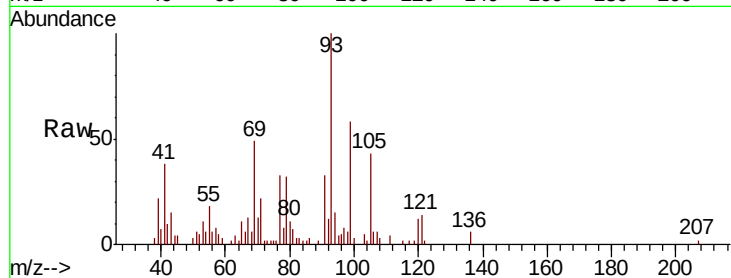
Tot Ion: 93 Resp: 22683

Ion Ratio Lower Upper

93 100

66 5.9 74.5 111.7#

65 11.1 45.3 67.9#

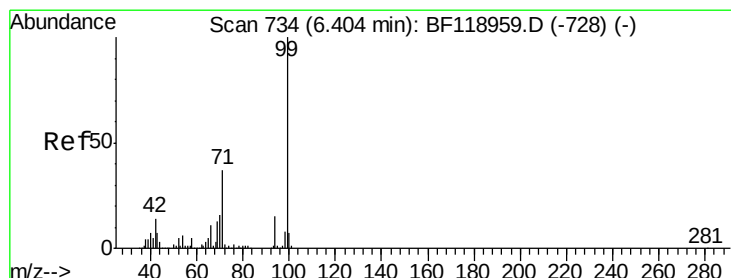
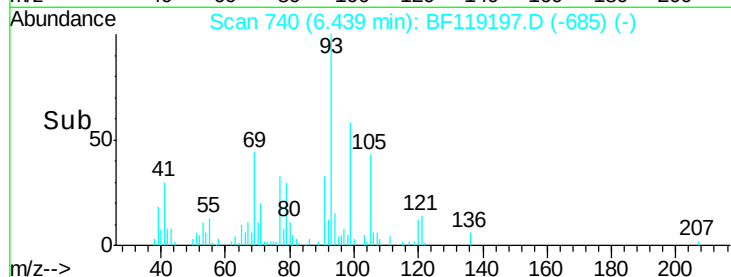
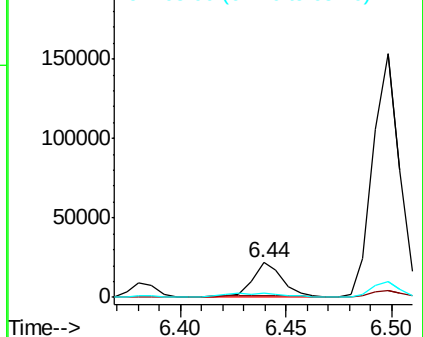


Abundance

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: 5.665 ng

RT: 6.43 min Scan# 738

Delta R.T. 0.02 min

Lab File: BF119197.D

Acq: 4 Mar 2020 16:23

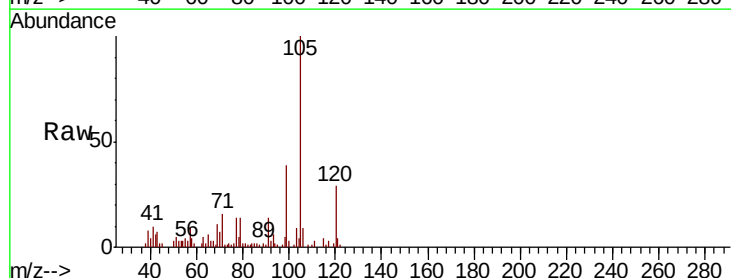
Tgt Ion: 99 Resp: 49664

Ion Ratio Lower Upper

99 100

42 14.5 12.6 18.8

71 40.2 31.0 46.4

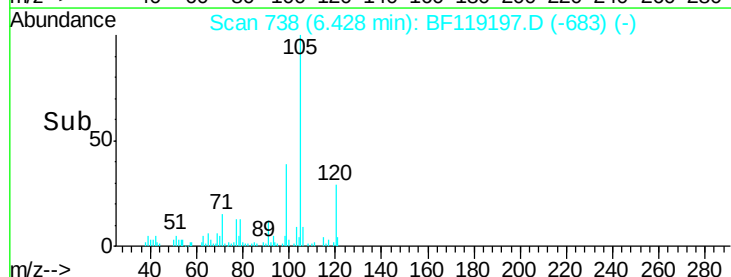
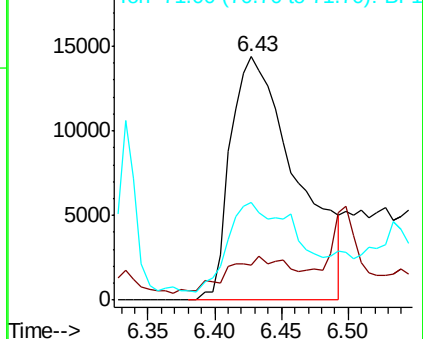


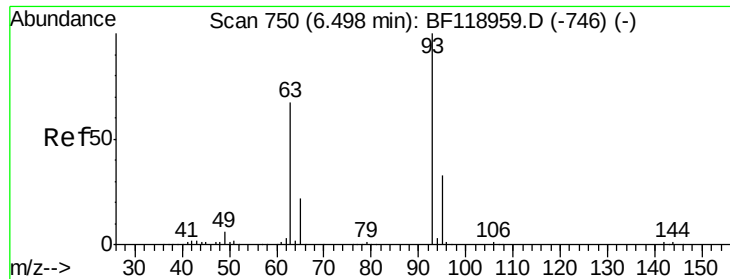
Abundance

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

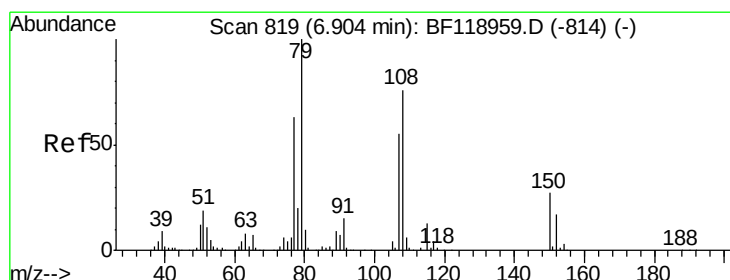
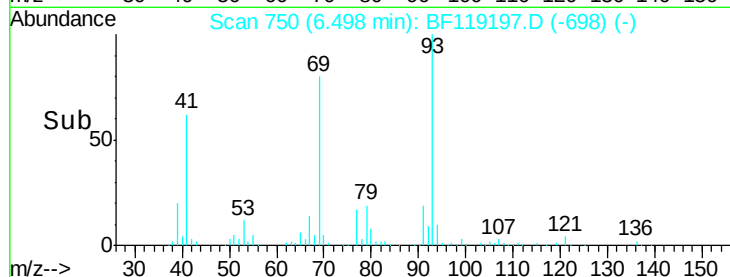
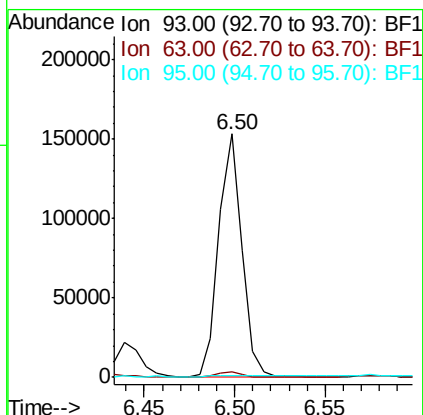
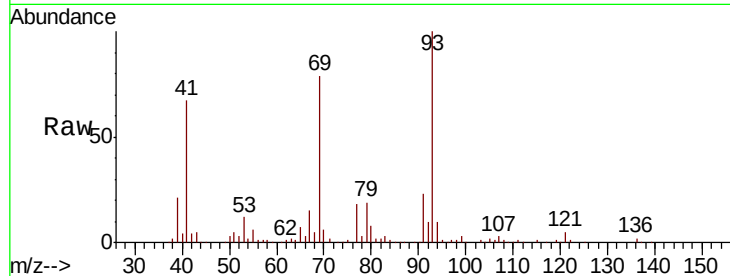




#11  
bis(2-Chloroethyl)ether  
Concen: 18.796 ng  
RT: 6.50 min Scan# 750  
Delta R.T. 0.01 min  
Lab File: BF119197.D  
Acq: 4 Mar 2020 16:23

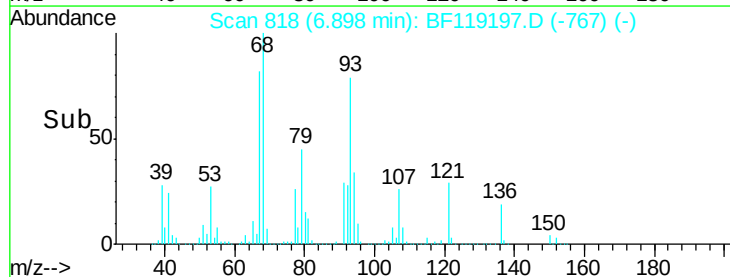
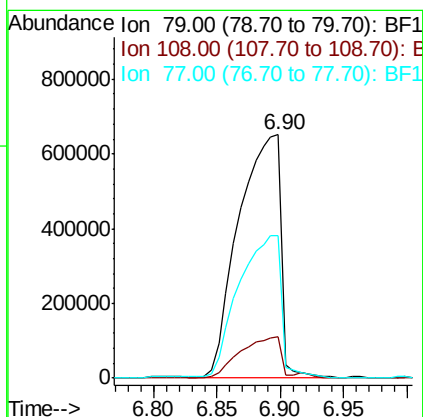
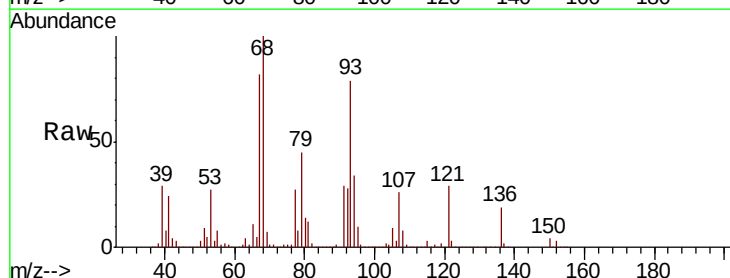
Instrument :  
BNA\_F  
ClientSampleId :

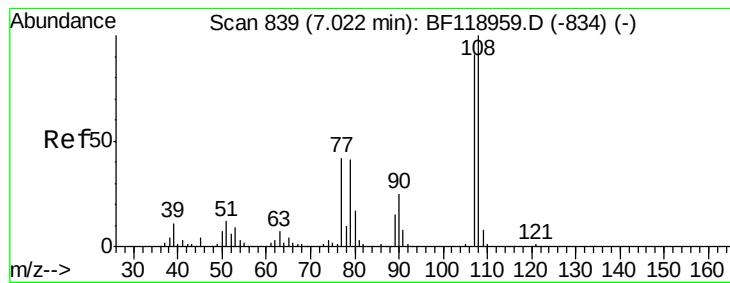
Tot Ion: 93 Resp: 136331  
Ion Ratio Lower Upper  
93 100  
63 2.1 45.4 85.4#  
95 1.0 13.5 53.5#



#15  
Benzyl Alcohol  
Concen: 236.839 ng  
RT: 6.90 min Scan# 818  
Delta R.T. -0.00 min  
Lab File: BF119197.D  
Acq: 4 Mar 2020 16:23

Tgt Ion: 79 Resp: 1500757  
Ion Ratio Lower Upper  
79 100  
108 16.8 58.2 87.2#  
77 58.6 51.2 76.8





#17

2-Methylphenol

Concen: 130.900 ng

RT: 6.90 min Scan# 818

Delta R.T. -0.12 min

Lab File: BF119197.D

Acq: 4 Mar 2020 16:23

Instrument :

BNA\_F

ClientSampled :

Tot Ion:107 Resp: 825667

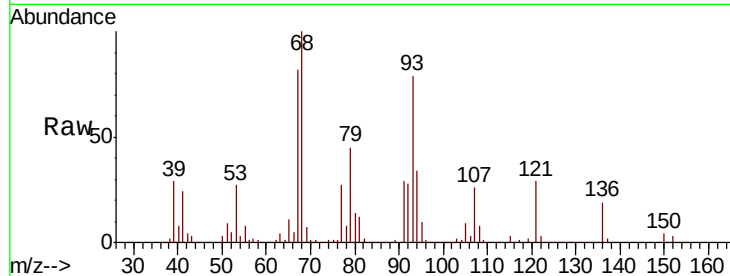
Ion Ratio Lower Upper

107 100

108 29.0 87.9 131.9#

77 101.1 45.3 67.9#

79 172.6 43.0 64.4#

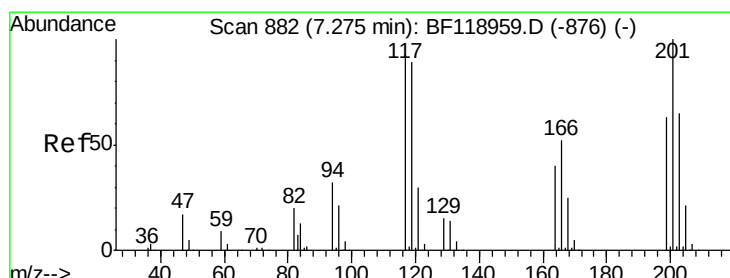
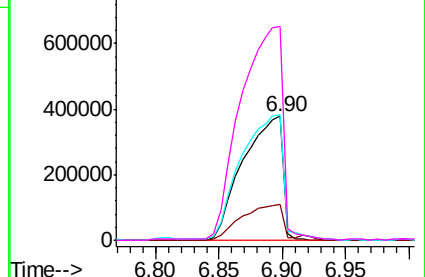
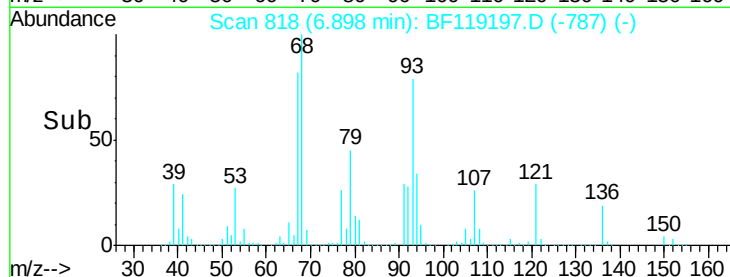


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18

Hexachloroethane

Concen: 5.108 ng

RT: 7.27 min Scan# 882

Delta R.T. 0.02 min

Lab File: BF119197.D

Acq: 4 Mar 2020 16:23

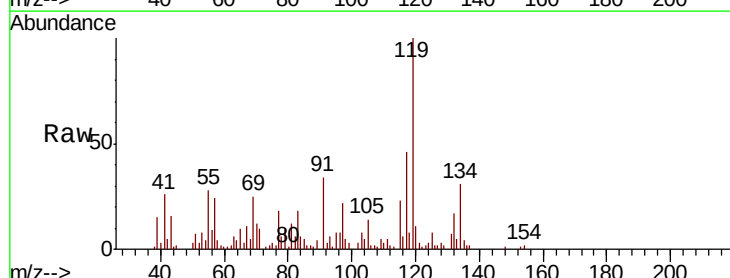
Tgt Ion:117 Resp: 17051

Ion Ratio Lower Upper

117 100

119 218.0 77.5 116.3#

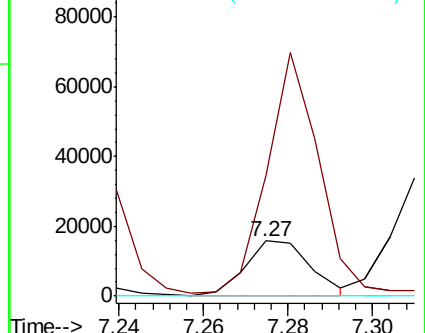
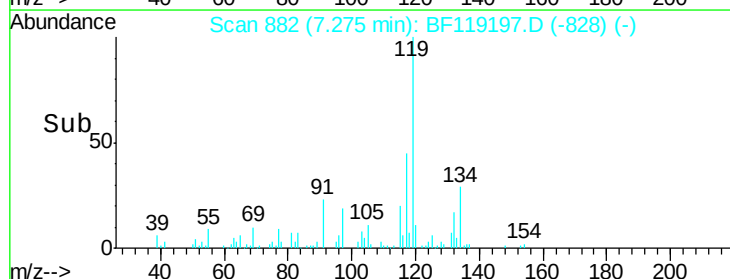
201 0.0 82.6 123.8#

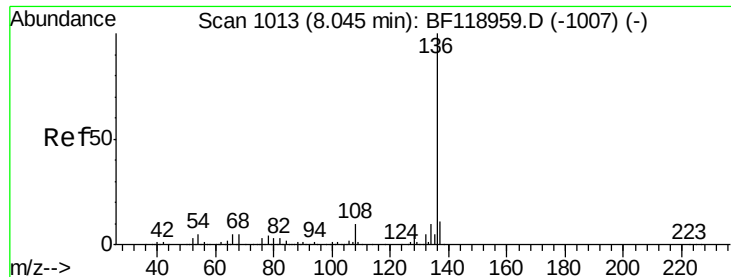


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.03 min Scan# 1010

Delta R.T. -0.01 min

Lab File: BF119197.D

Acq: 4 Mar 2020 16:23

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:136 Resp: 425833

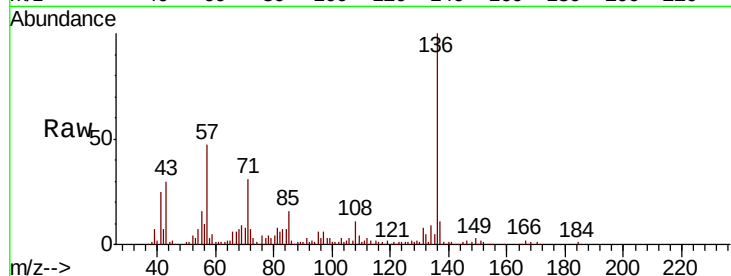
Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

54 6.6 3.8 5.6#

68 7.1 3.9 5.9#



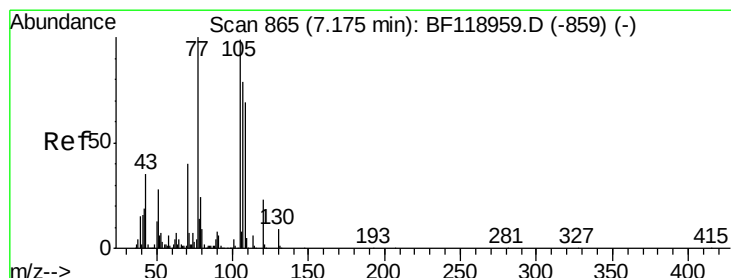
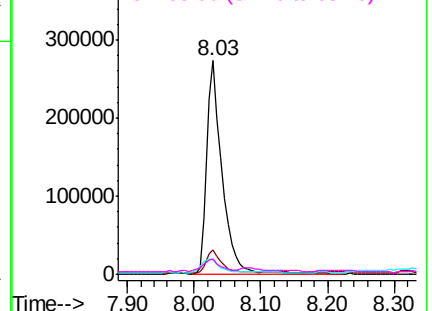
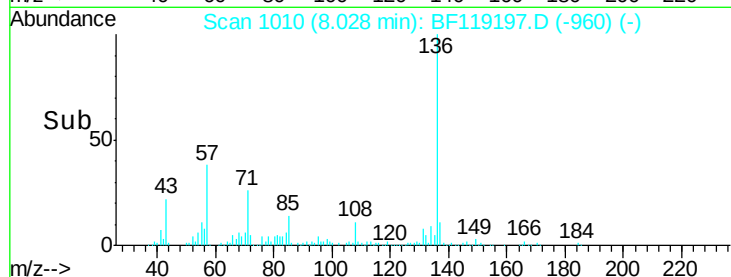
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 4.652 ng

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: BF119197.D

Acq: 4 Mar 2020 16:23

Tgt Ion:105 Resp: 45833

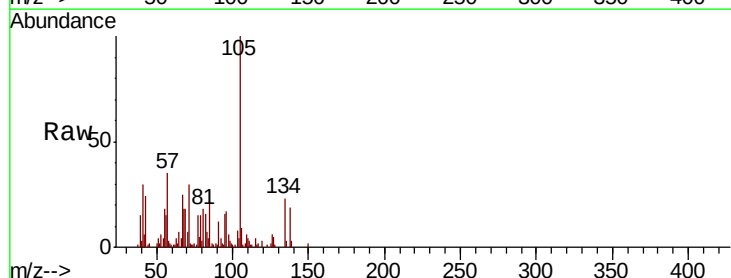
Ion Ratio Lower Upper

105 100

71 29.8 3.0 4.4#

51 4.3 20.1 30.1#

120 0.0 18.0 27.0#



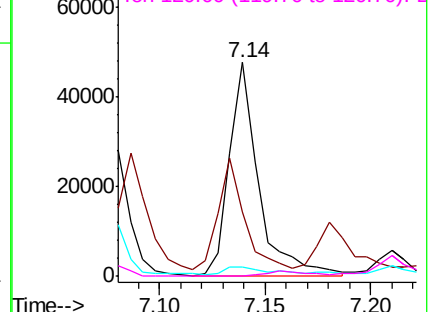
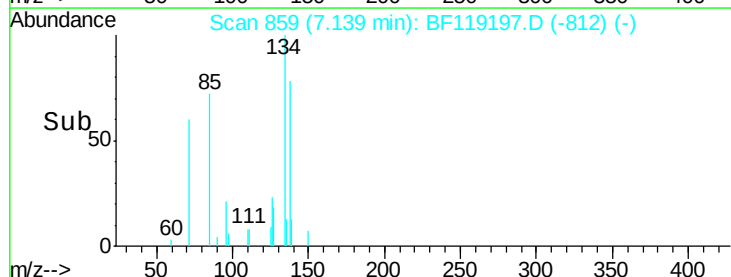
Abundance

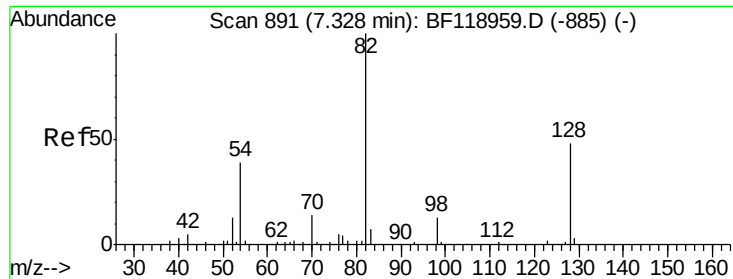
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

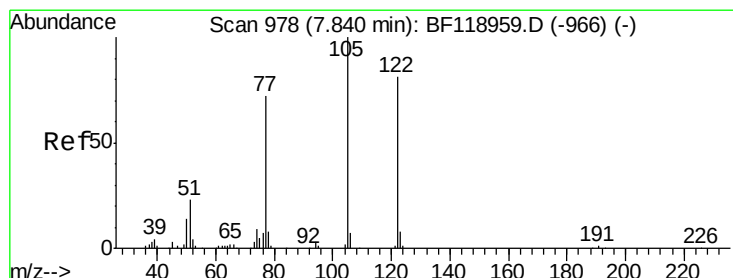
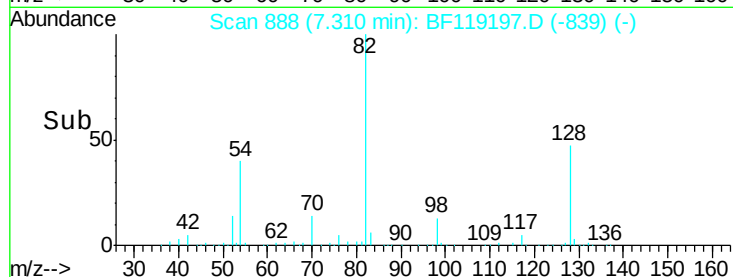
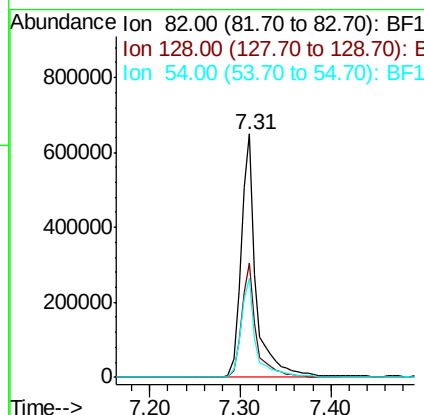
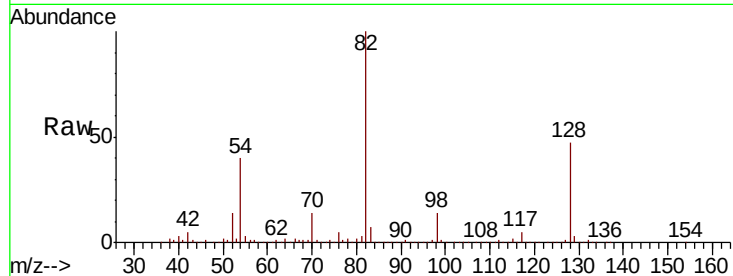




#23  
 Nitrobenzene-d5  
 Concen: 93.117 ng  
 RT: 7.31 min Scan# 888  
 Delta R.T. -0.01 min  
 Lab File: BF119197.D  
 Acq: 4 Mar 2020 16:23

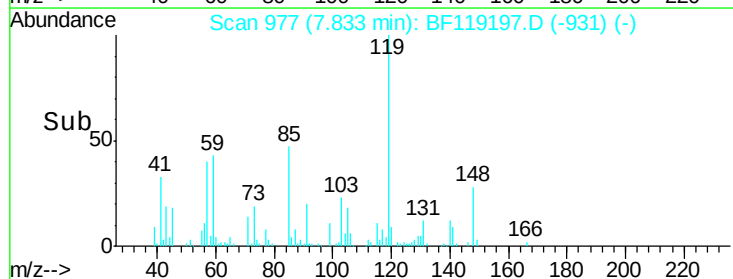
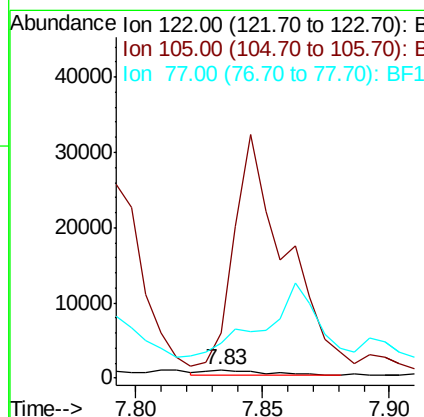
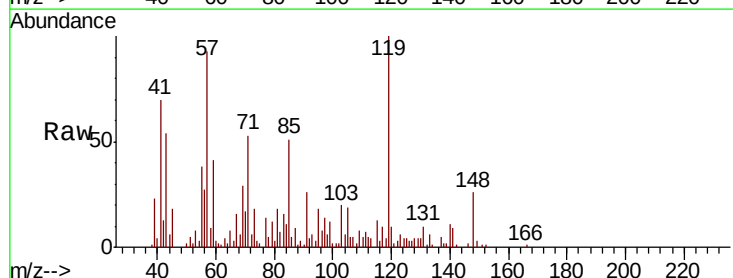
Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion   | 82   | Resp  | 750989 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 47.2 | 37.9  | 56.9   |
| 54        | 40.5 | 33.4  | 50.2   |

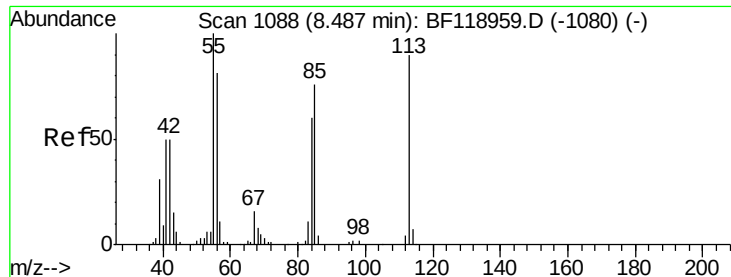


#32  
 Benzoic acid  
 Concen: 6.900 ng  
 RT: 7.83 min Scan# 977  
 Delta R.T. -0.03 min  
 Lab File: BF119197.D  
 Acq: 4 Mar 2020 16:23

| Tgt Ion   | 122   | Resp  | 1068   |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 105       | 539.7 | 106.3 | 146.3# |
| 77        | 406.8 | 73.1  | 113.1# |







#35

Caprolactam

Concen: 25.825 ng

RT: 8.50 min Scan# 1090

Delta R.T. -0.01 min

Lab File: BF119197.D

Acq: 4 Mar 2020 16:23

Instrument :

BNA\_F

ClientSampleId :

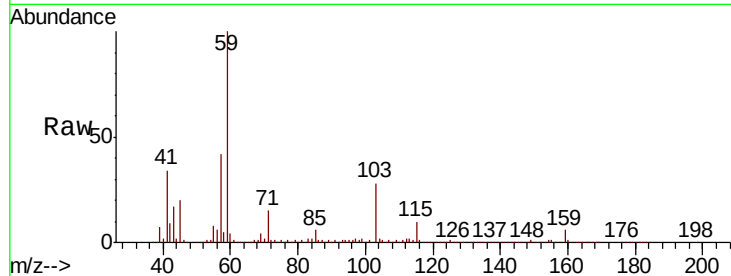
Tot Ion:113 Resp: 53689

Ion Ratio Lower Upper

113 100

55 368.0 95.7 135.7#

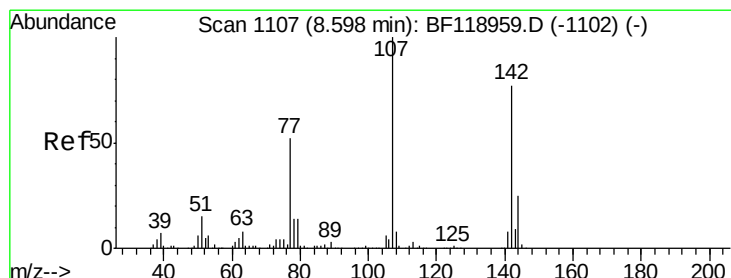
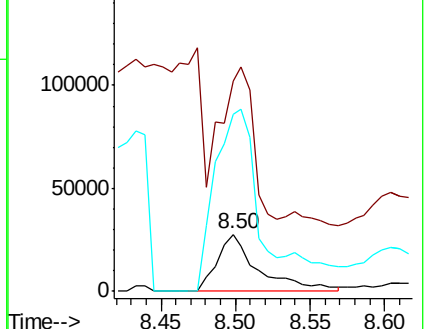
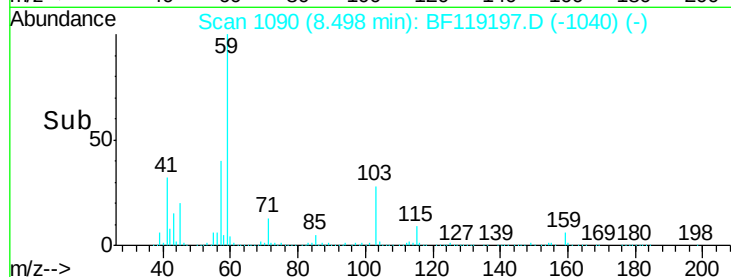
56 309.6 73.1 113.1#



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: 9.838 ng

RT: 8.65 min Scan# 1116

Delta R.T. 0.05 min

Lab File: BF119197.D

Acq: 4 Mar 2020 16:23

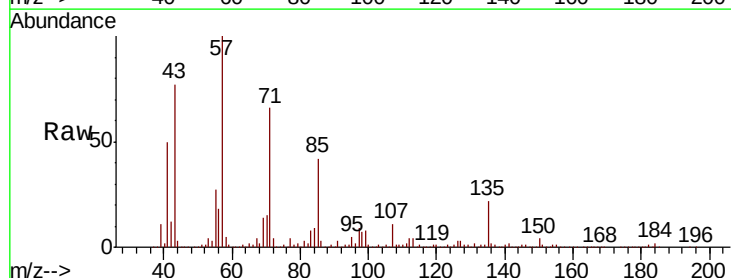
Tgt Ion:107 Resp: 67224

Ion Ratio Lower Upper

107 100

144 0.7 20.1 30.1#

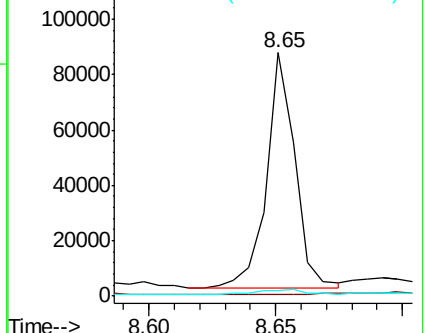
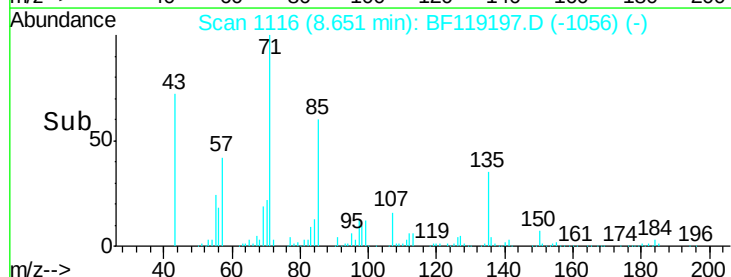
142 2.5 61.4 92.2#

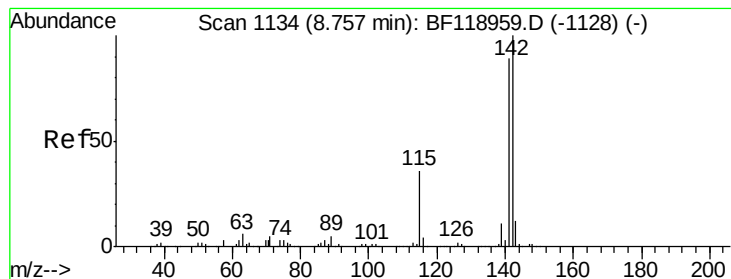


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 2.819 ng

RT: 8.79 min Scan# 1140

Delta R.T. 0.05 min

Lab File: BF119197.D

Acq: 4 Mar 2020 16:23

Instrument :

BNA\_F

ClientSampled :

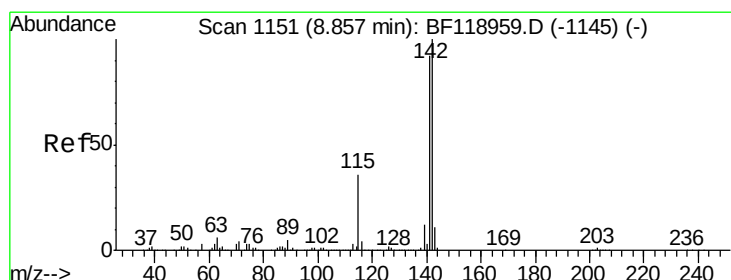
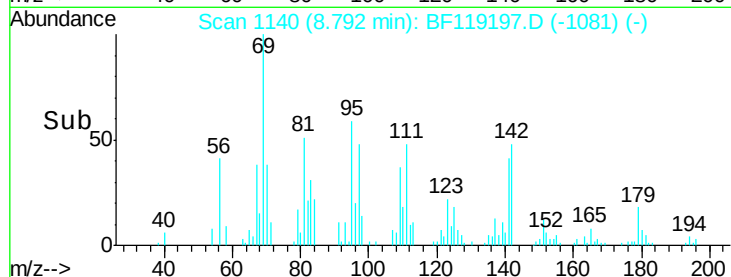
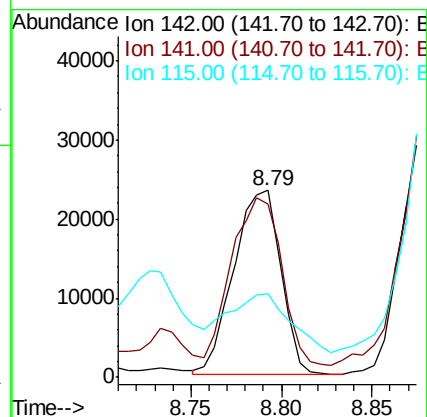
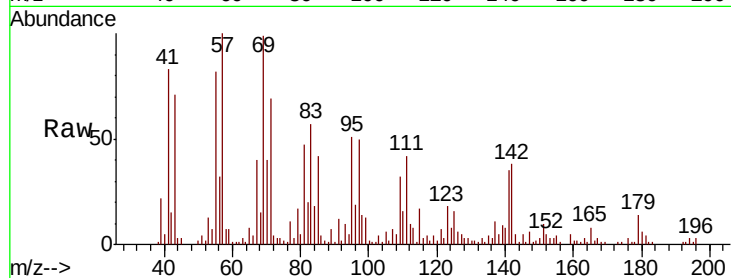
Tot Ion:142 Resp: 41900

Ion Ratio Lower Upper

142 100

141 93.1 72.3 108.5

115 44.5 30.6 45.8



#38

1-Methylnaphthalene

Concen: 3.897 ng

RT: 8.88 min Scan# 1155

Delta R.T. 0.04 min

Lab File: BF119197.D

Acq: 4 Mar 2020 16:23

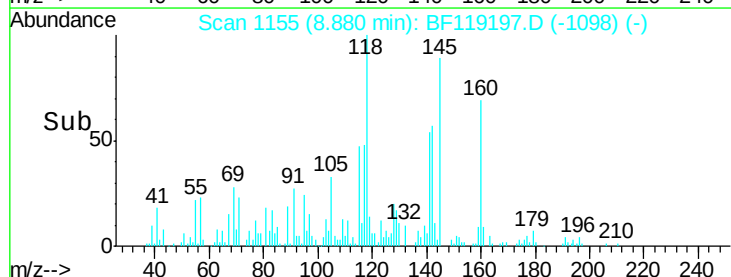
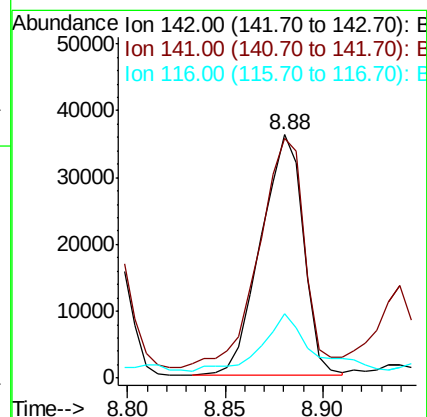
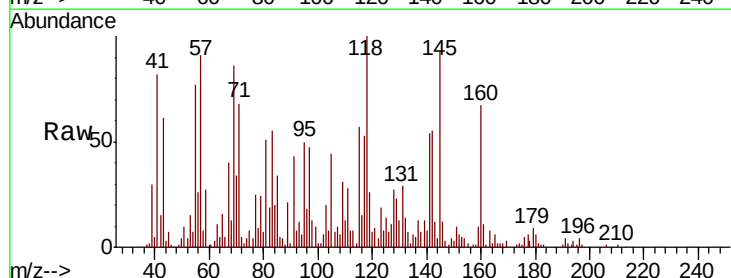
Tgt Ion:142 Resp: 54469

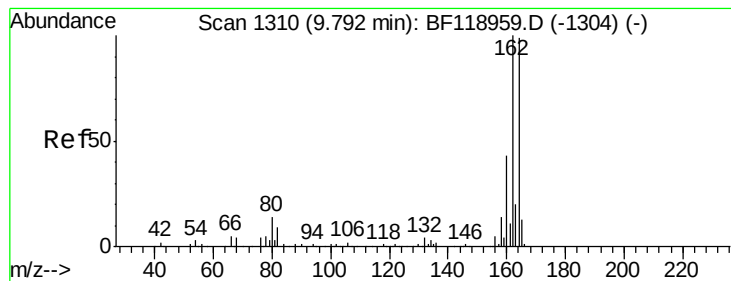
Ion Ratio Lower Upper

142 100

141 98.2 75.8 113.6

116 26.4 3.1 4.7#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.79 min Scan# 1310

Delta R.T. 0.01 min

Lab File: BF119197.D

Acq: 4 Mar 2020 16:23

Instrument :

BNA\_F

ClientSampleId :

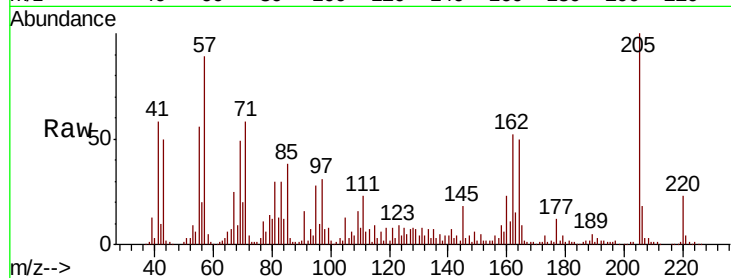
Tot Ion:164 Resp: 158735

Ion Ratio Lower Upper

164 100

162 104.4 81.8 122.8

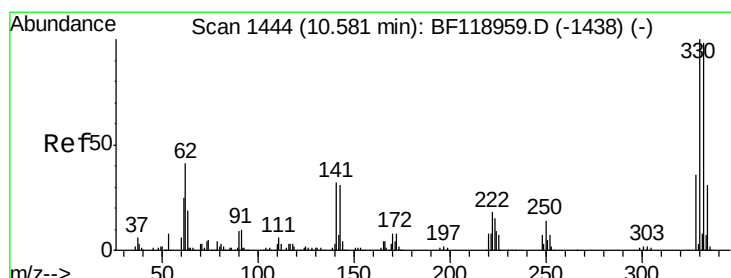
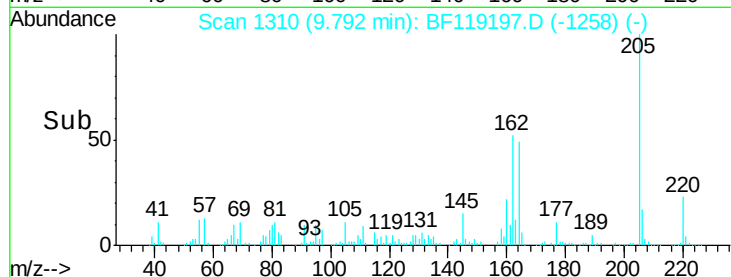
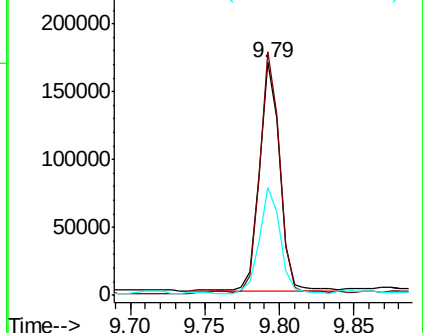
160 46.1 36.0 54.0



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: 130.330 ng

RT: 10.59 min Scan# 1445

Delta R.T. 0.01 min

Lab File: BF119197.D

Acq: 4 Mar 2020 16:23

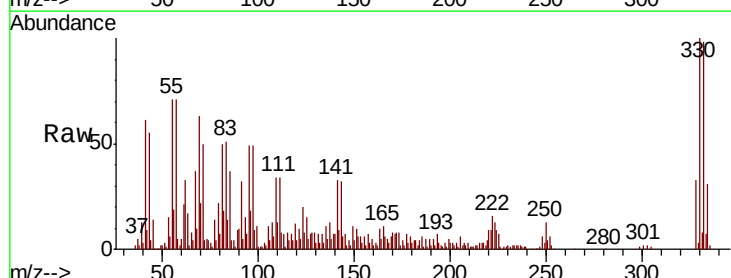
Tgt Ion:330 Resp: 270632

Ion Ratio Lower Upper

330 100

332 97.8 76.0 114.0

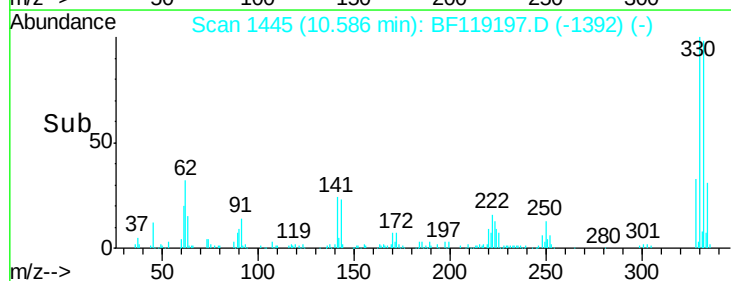
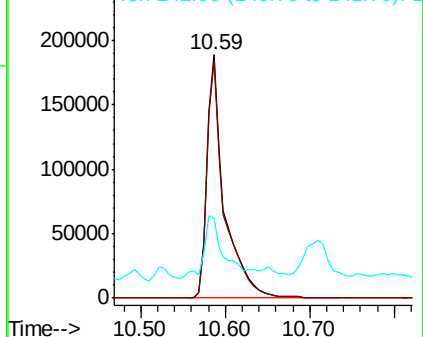
141 29.1 22.9 34.3

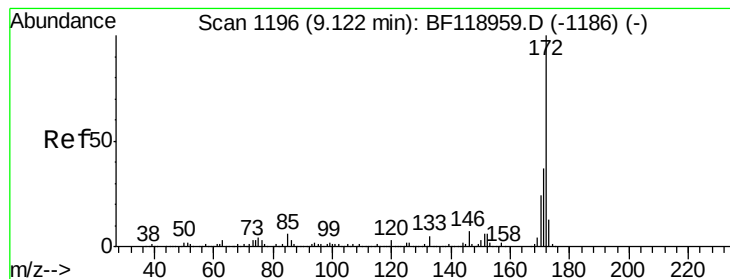


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 103.458 ng

RT: 9.12 min Scan# 1196

Delta R.T. 0.01 min

Lab File: BF119197.D

Acq: 4 Mar 2020 16:23

Instrument :

BNA\_F

ClientSampleId :

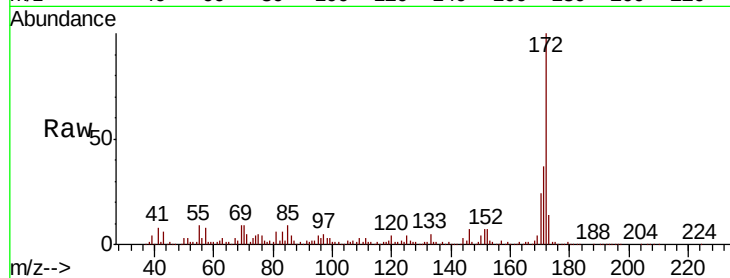
Tot Ion:172 Resp: 1114765

Ion Ratio Lower Upper

172 100

171 37.4 30.6 45.8

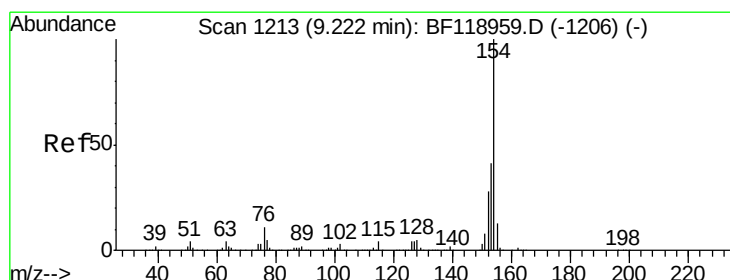
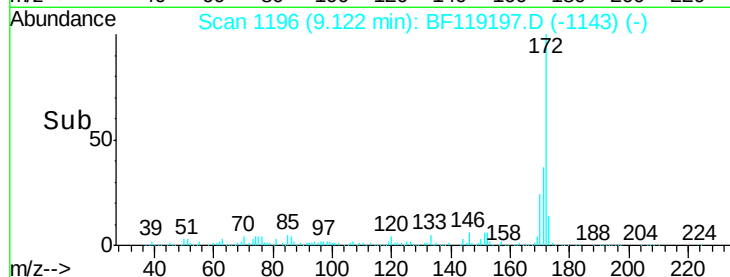
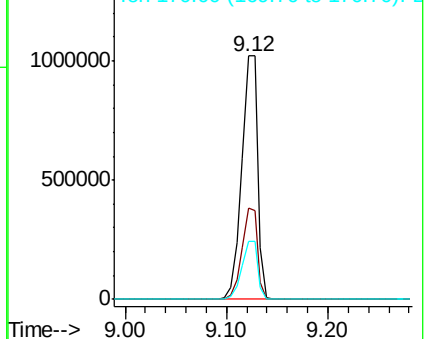
170 23.7 20.2 30.2



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46

1,1'-Biphenyl

Concen: 2.786 ng

RT: 9.22 min Scan# 1213

Delta R.T. 0.01 min

Lab File: BF119197.D

Acq: 4 Mar 2020 16:23

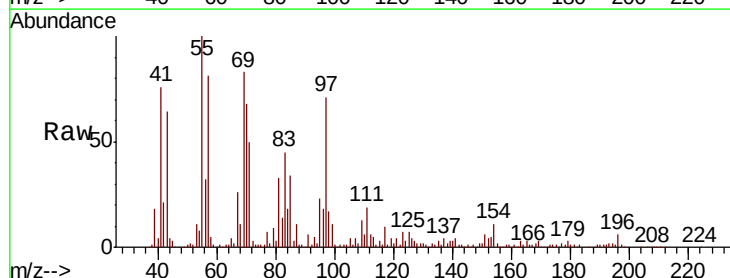
Tgt Ion:154 Resp: 35737

Ion Ratio Lower Upper

154 100

153 45.5 22.8 62.8

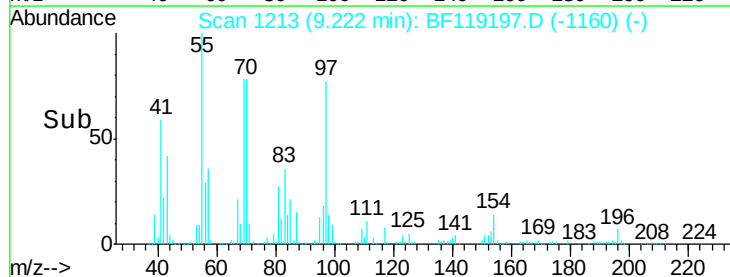
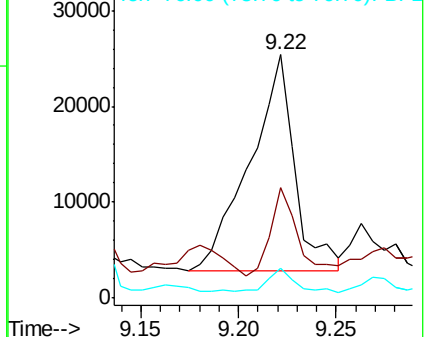
76 12.3 0.0 32.2

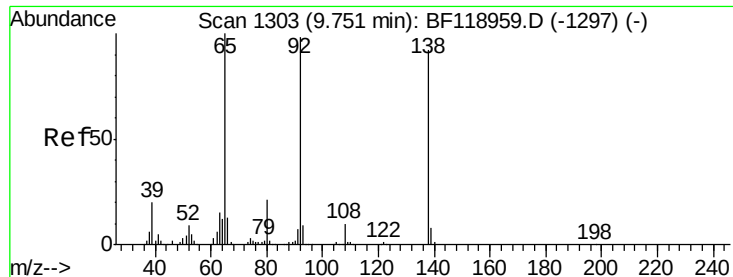


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1

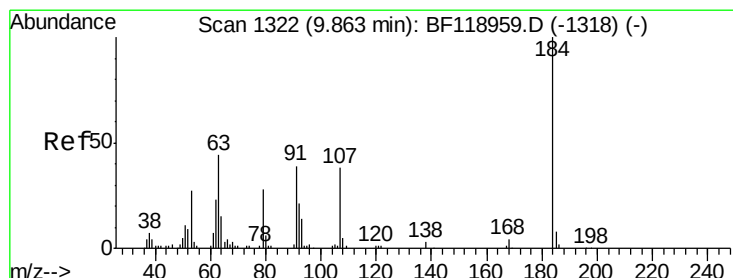
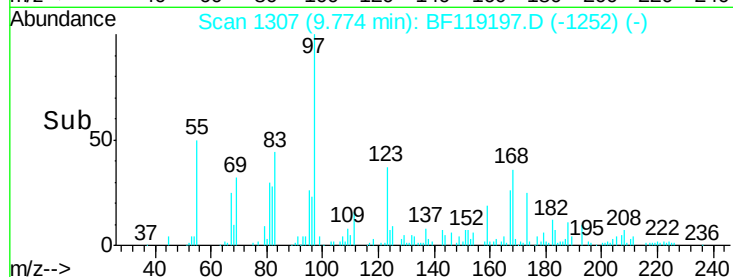
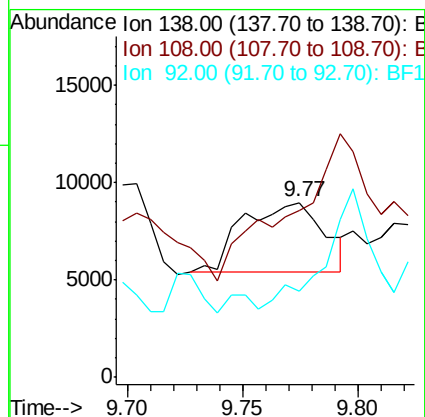
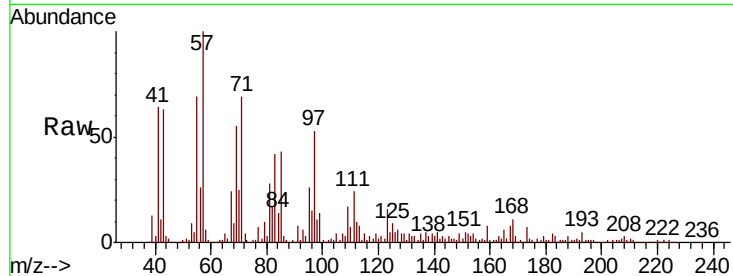




#53  
3-Nitroaniline  
Concen: 2.920 ng  
RT: 9.77 min Scan# 1307  
Delta R.T. 0.02 min  
Lab File: BF119197.D  
Acq: 4 Mar 2020 16:23

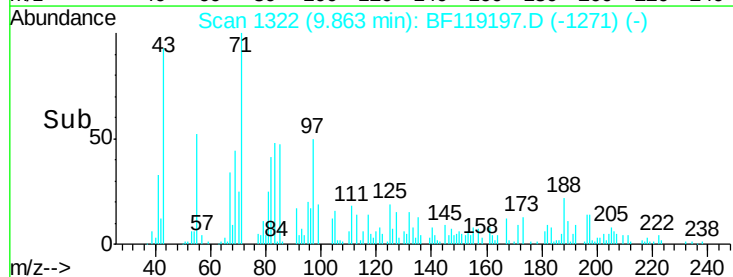
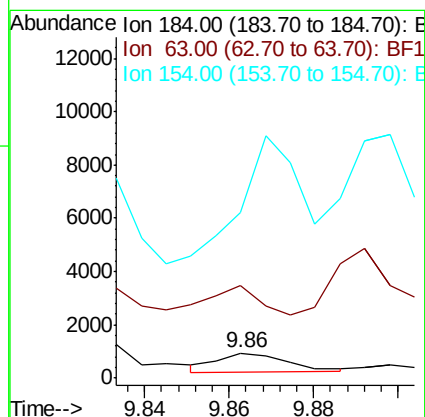
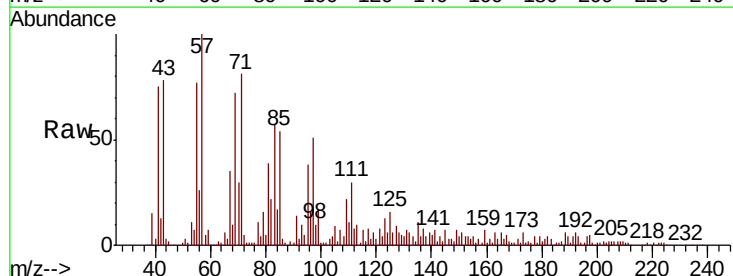
Instrument :  
BNA\_F  
ClientSampled :

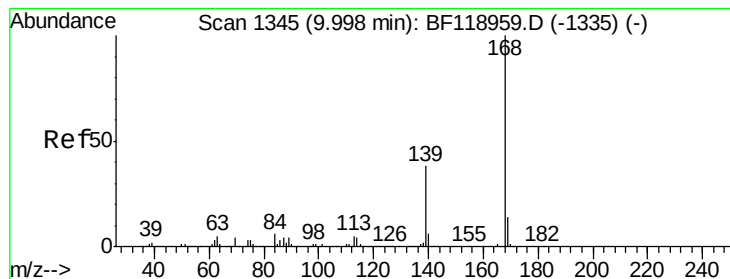
Tot Ion:138 Resp: 8730  
Ion Ratio Lower Upper  
138 100  
108 95.2 8.8 13.2#  
92 49.3 84.8 127.2#



#54  
2,4-Dinitrophenol  
Concen: 8.017 ng  
RT: 9.86 min Scan# 1322  
Delta R.T. -0.00 min  
Lab File: BF119197.D  
Acq: 4 Mar 2020 16:23

Tgt Ion:184 Resp: 783  
Ion Ratio Lower Upper  
184 100  
63 372.5 38.7 58.1#  
154 668.5 49.7 74.5#





#55

Dibenzofuran

Concen: 2.355 ng

RT: 9.99 min Scan# 1343

Delta R.T. -0.01 min

Lab File: BF119197.D

Acq: 4 Mar 2020 16:23

Instrument :

BNA\_F

ClientSampleId :

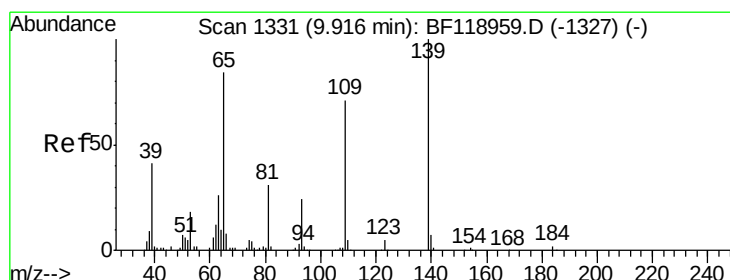
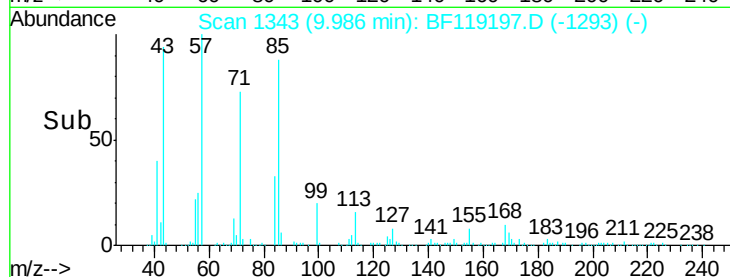
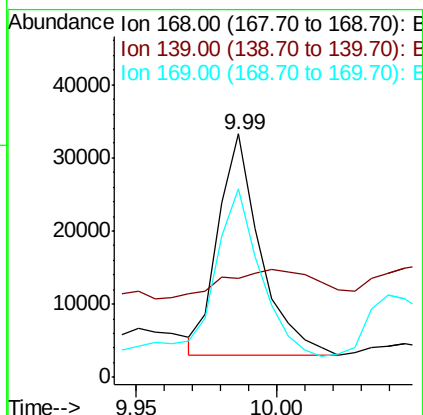
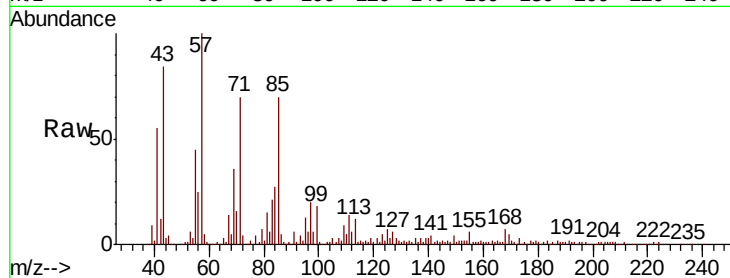
Tot Ion:168 Resp: 31643

Ion Ratio Lower Upper

168 100

139 40.4 34.0 51.0

169 77.6 11.0 16.4#



#56

4-Nitrophenol

Concen: 2.945 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF119197.D

Acq: 4 Mar 2020 16:23

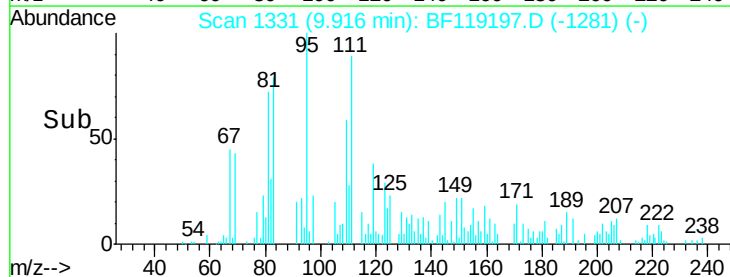
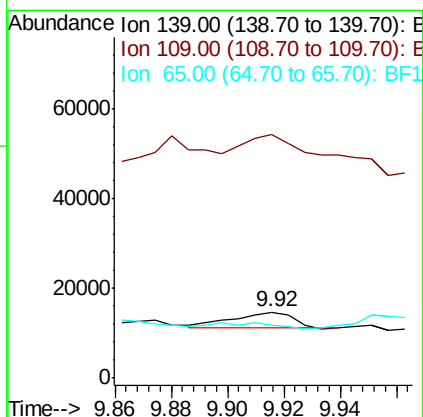
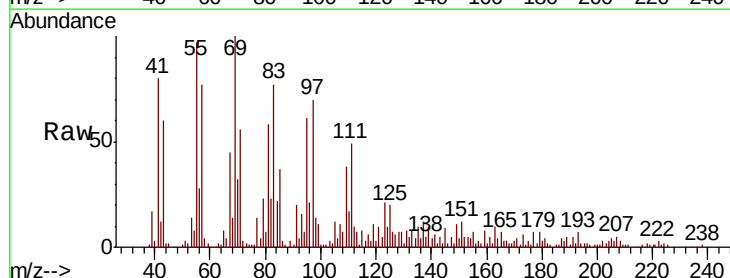
Tgt Ion:139 Resp: 5290

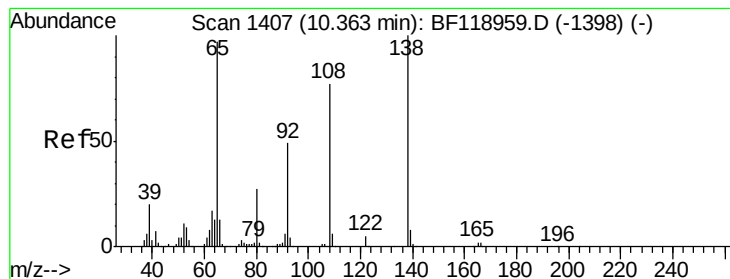
Ion Ratio Lower Upper

139 100

109 370.1 56.7 96.7#

65 79.6 65.0 105.0





#62

4-Nitroaniline

Concen: 2.657 ng

RT: 10.25 min Scan# 1387

Delta R.T. -0.12 min

Lab File: BF119197.D

Acq: 4 Mar 2020 16:23

Instrument :

BNA\_F

ClientSampled :

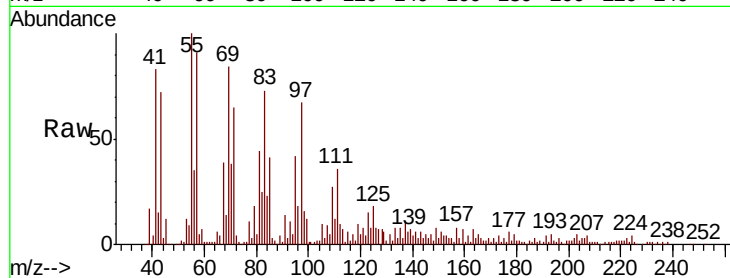
Tot Ion:138 Resp: 8127

Ion Ratio Lower Upper

138 100

92 47.4 27.3 67.3

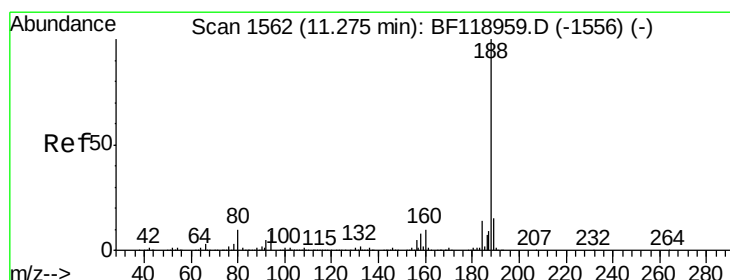
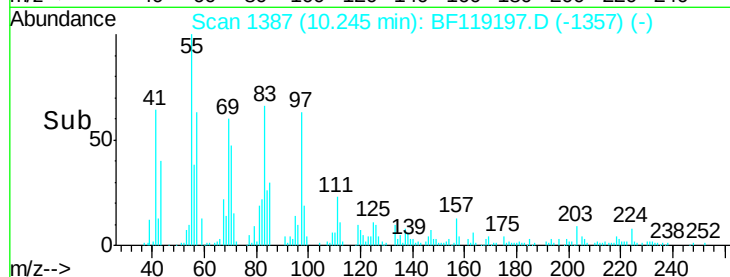
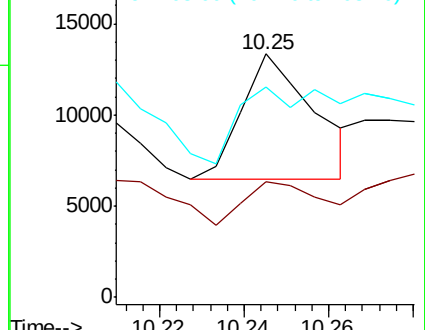
108 86.3 57.0 97.0



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF1

Ion 108.00 (107.70 to 108.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.27 min Scan# 1562

Delta R.T. 0.01 min

Lab File: BF119197.D

Acq: 4 Mar 2020 16:23

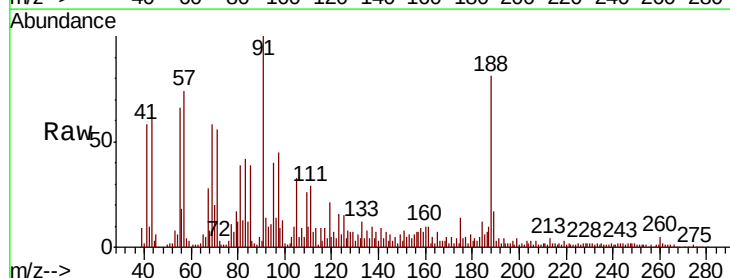
Tgt Ion:188 Resp: 259474

Ion Ratio Lower Upper

188 100

94 14.1 7.1 10.7#

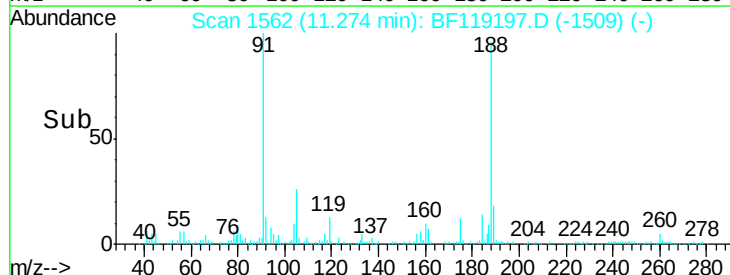
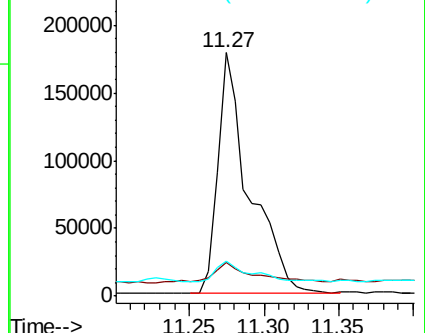
80 14.3 7.8 11.8#

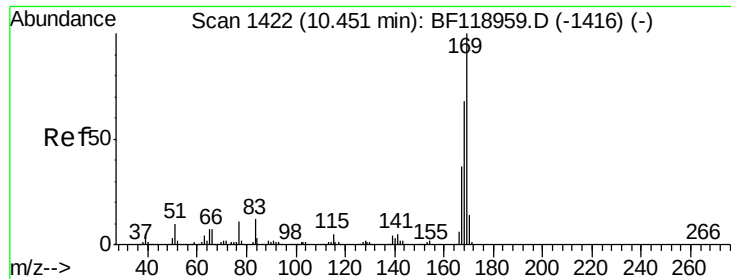


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

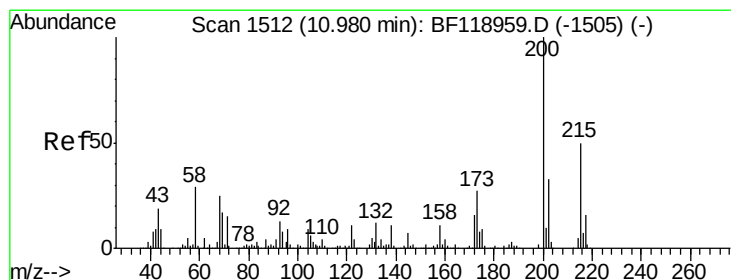
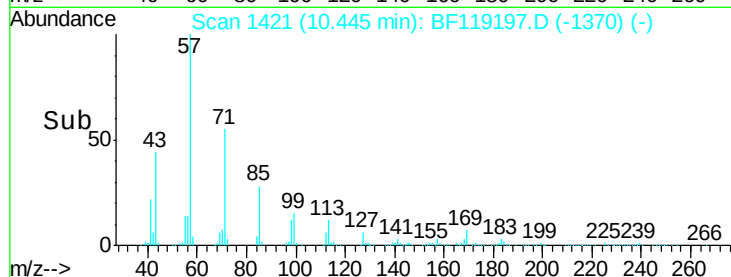
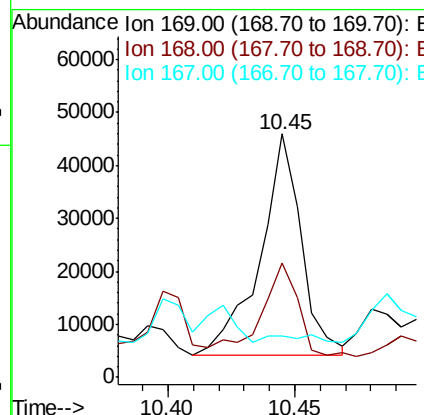
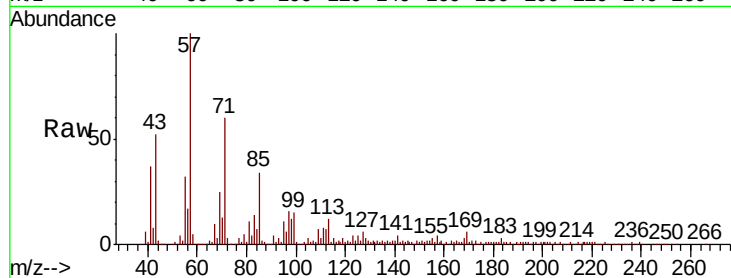




#66  
n-Nitrosodiphenylamine  
Concen: 5.540 ng  
RT: 10.45 min Scan# 1421  
Delta R.T. -0.00 min  
Lab File: BF119197.D  
Acq: 4 Mar 2020 16:23

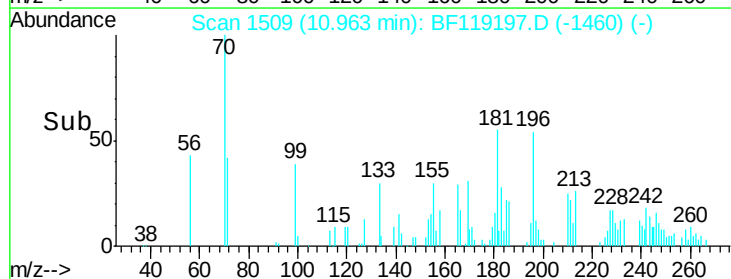
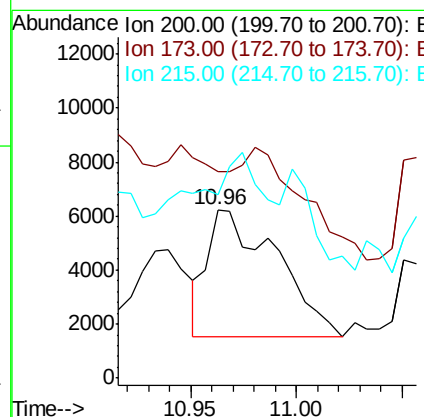
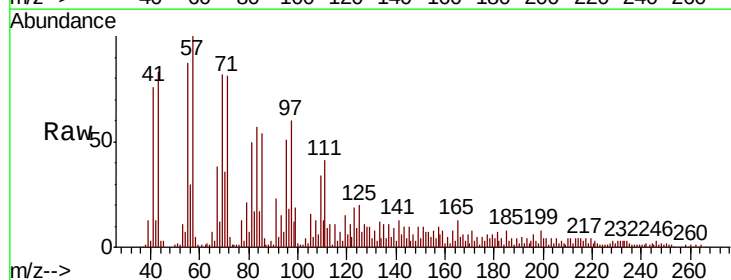
Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 169     | 100   |       |       |
| 168     | 46.8  | 54.1  | 81.1# |
| 167     | 16.9  | 29.4  | 44.0# |

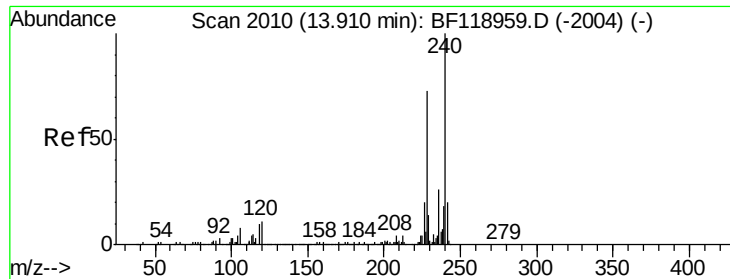


#69  
Atrazine  
Concen: 3.617 ng  
RT: 10.96 min Scan# 1509  
Delta R.T. -0.01 min  
Lab File: BF119197.D  
Acq: 4 Mar 2020 16:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 122.5 | 6.4   | 46.4# |
| 215     | 109.0 | 27.4  | 67.4# |







#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.92 min Scan# 2012

Delta R.T. 0.02 min

Lab File: BF119197.D

Acq: 4 Mar 2020 16:23

Instrument :

BNA\_F

ClientSampled :

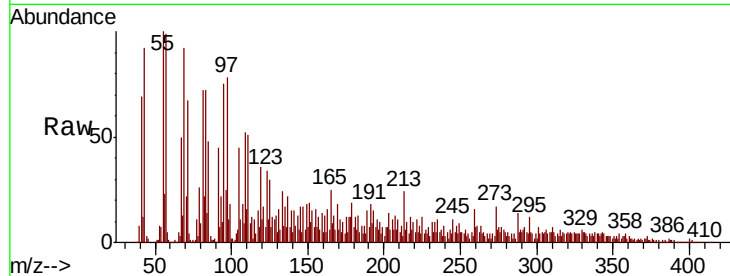
Tot Ion:240 Resp: 6073

Ion Ratio Lower Upper

240 100

120 340.8 8.4 12.6#

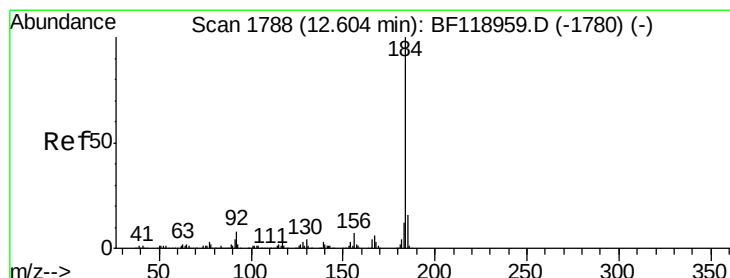
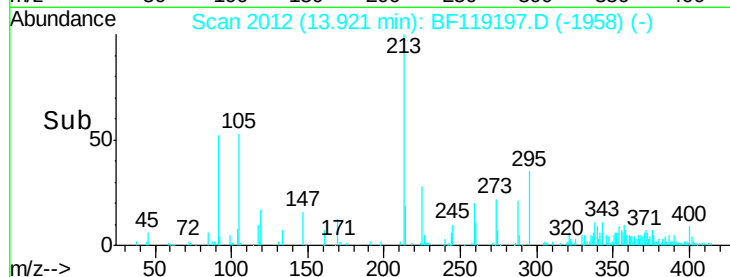
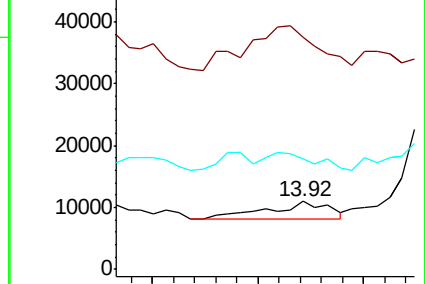
236 163.2 21.0 31.4#



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: 36.290 ng

RT: 12.60 min Scan# 1787

Delta R.T. -0.00 min

Lab File: BF119197.D

Acq: 4 Mar 2020 16:23

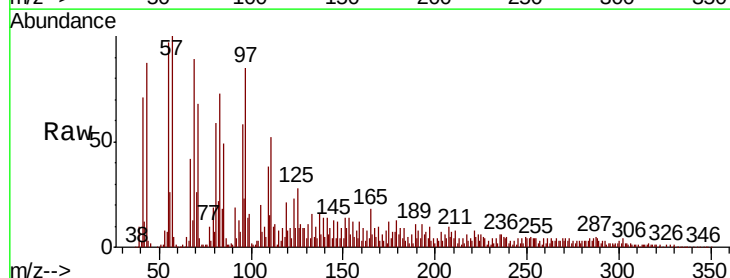
Tgt Ion:184 Resp: 8963

Ion Ratio Lower Upper

184 100

185 156.3 12.2 18.4#

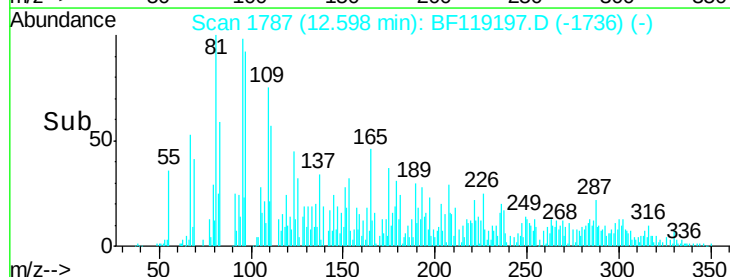
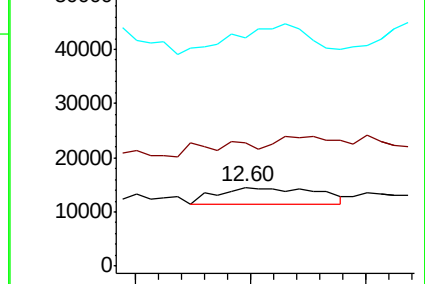
183 289.9 9.9 14.9#

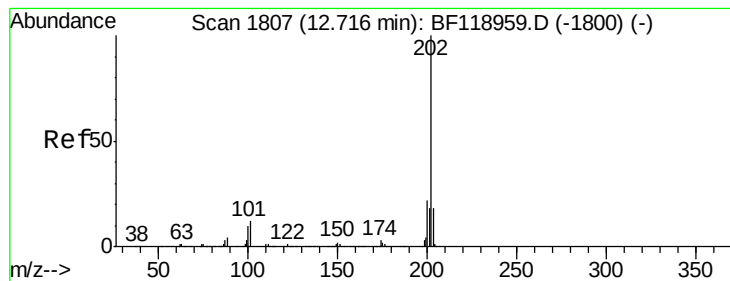


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Pvrene

Concen: 75.295 ng

RT: 12.77 min Scan# 1816

Delta R.T. 0.06 min

Lab File: BF119197.D

Acq: 4 Mar 2020 16:23

Instrument :

BNA\_F

ClientSampleId :

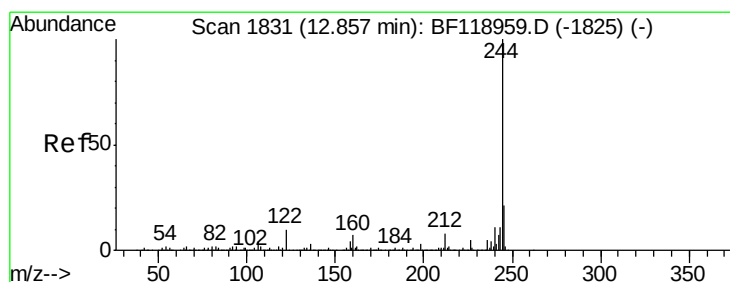
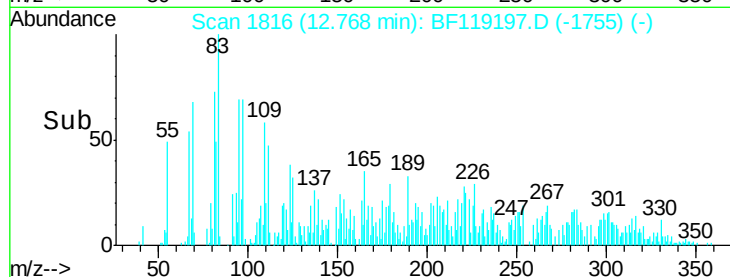
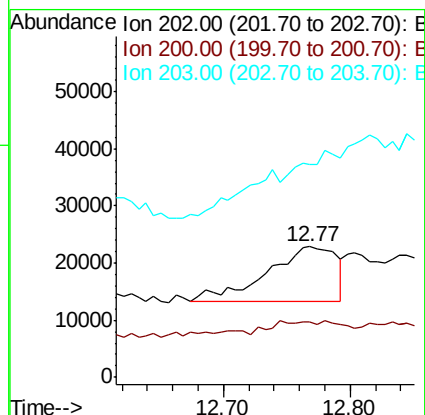
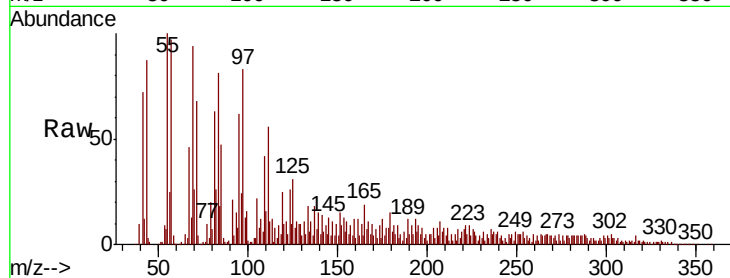
Tot Ion:202 Resp: 36718

Ion Ratio Lower Upper

202 100

200 42.7 18.0 27.0#

203 162.6 14.6 22.0#



#79

Terphenyl-d14

Concen: 2001.054 ng

RT: 12.91 min Scan# 1840

Delta R.T. 0.06 min

Lab File: BF119197.D

Acq: 4 Mar 2020 16:23

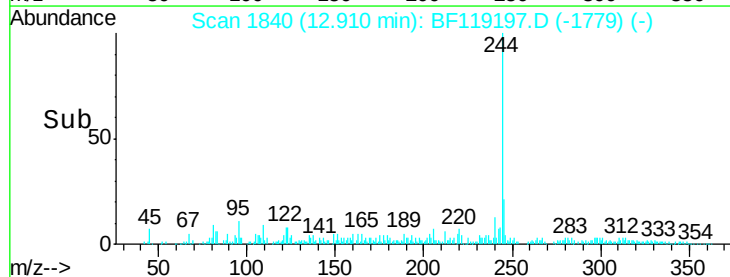
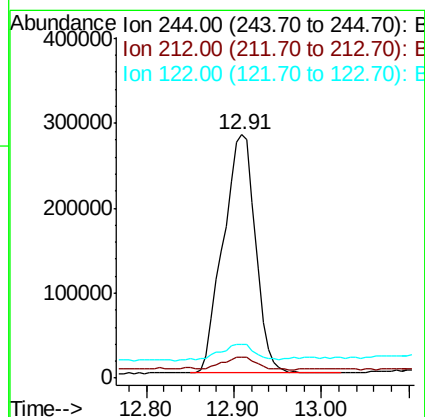
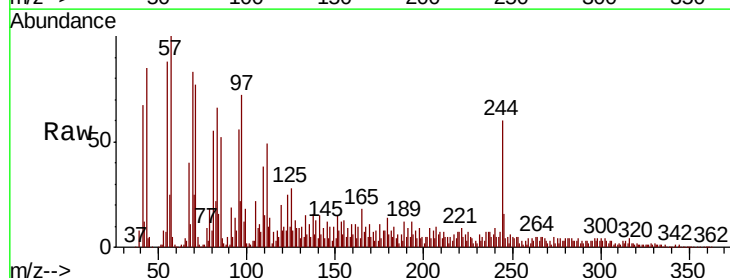
Tgt Ion:244 Resp: 705848

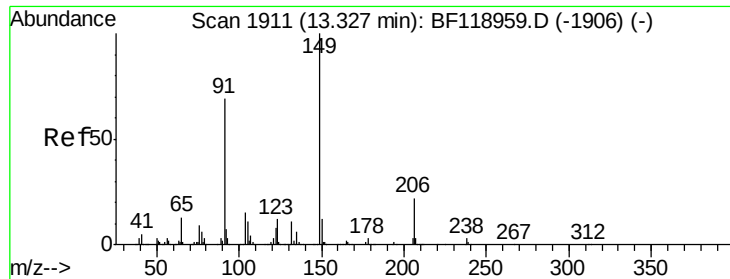
Ion Ratio Lower Upper

244 100

212 8.8 6.6 10.0

122 14.0 8.2 12.2#

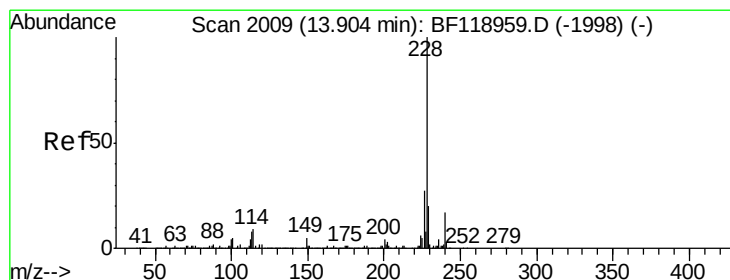
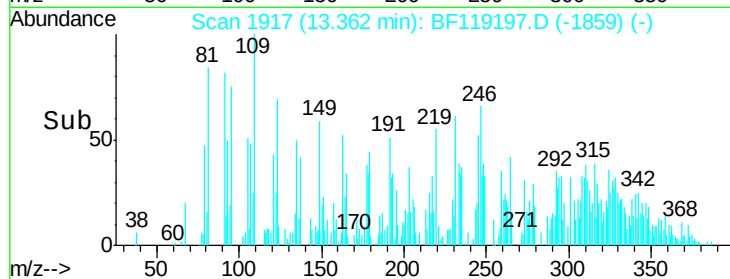
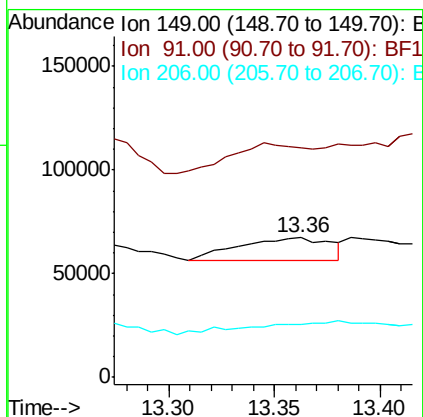
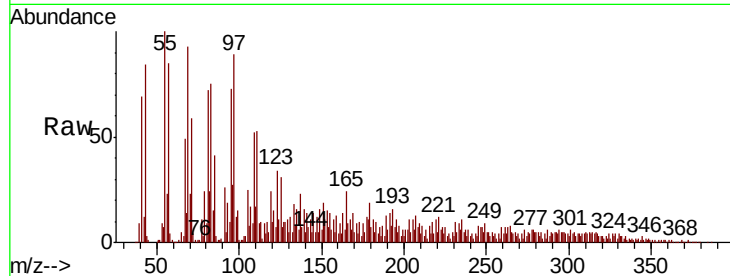




#80  
Butylbenzylphthalate  
Concen: 155.296 ng  
RT: 13.36 min Scan# 1917  
Delta R.T. 0.04 min  
Lab File: BF119197.D  
Acq: 4 Mar 2020 16:23

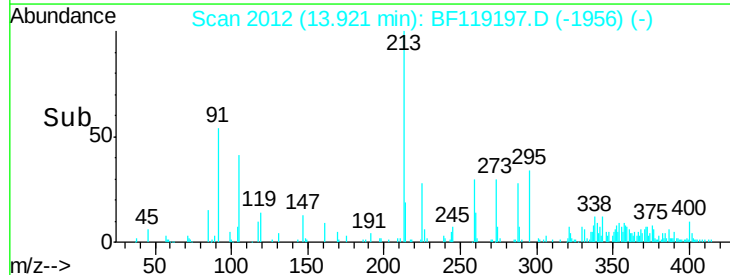
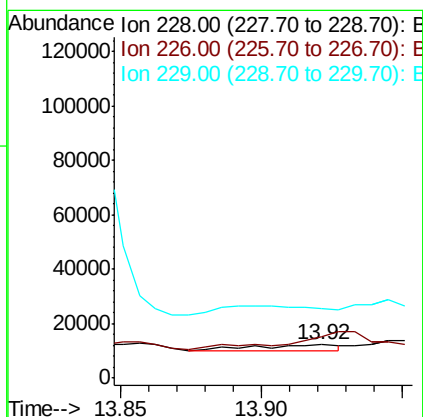
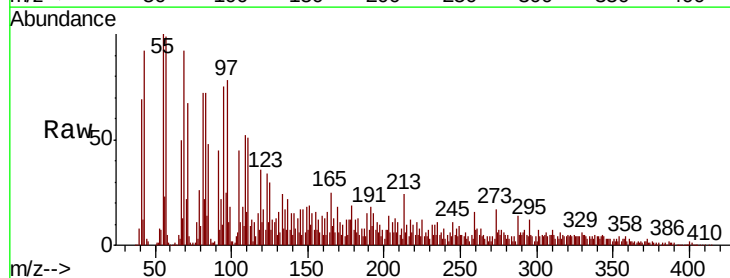
Instrument :  
BNA\_F  
ClientSampled :

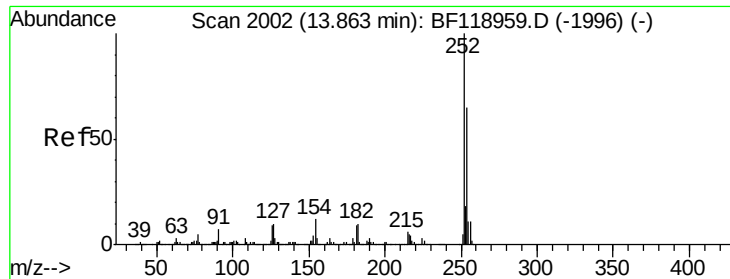
Tot Ion:149 Resp: 31873  
Ion Ratio Lower Upper  
149 100  
91 163.9 52.3 78.5#  
206 37.7 18.5 27.7#



#81  
Benzo(a)anthracene  
Concen: 12.419 ng  
RT: 13.92 min Scan# 2012  
Delta R.T. 0.03 min  
Lab File: BF119197.D  
Acq: 4 Mar 2020 16:23

Tgt Ion:228 Resp: 5139  
Ion Ratio Lower Upper  
228 100  
226 124.1 22.6 33.8#  
229 206.4 16.6 24.8#





#82

3,3'-Dichlorobenzidine

Concen: 34.348 ng

RT: 13.92 min Scan# 2012

Delta R.T. 0.06 min

Lab File: BF119197.D

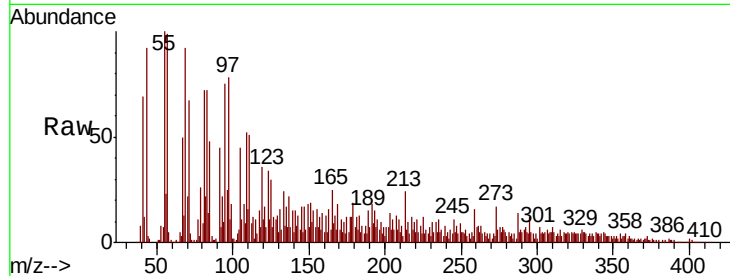
Acq: 4 Mar 2020 16:23

Instrument :

BNA\_F

ClientSampled :

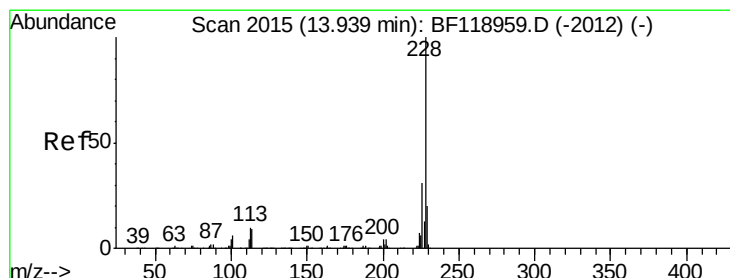
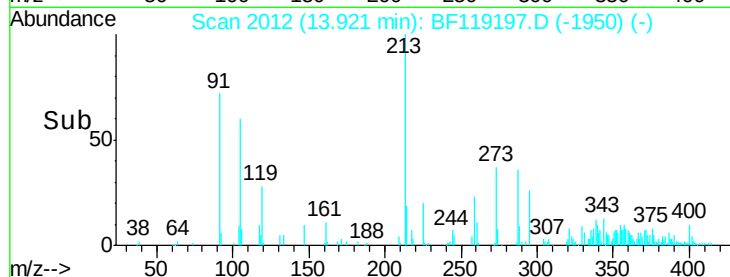
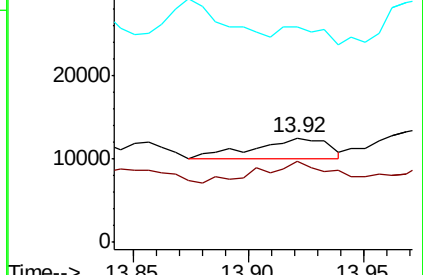
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 252   | Resp: | 5519  |
| Ion      | Ratio | Lower | Upper |
| 252      | 100   |       |       |
| 254      | 77.2  | 51.6  | 77.4  |
| 126      | 207.1 | 7.4   | 11.0# |



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



#83

Chrysene

Concen: 9.512 ng

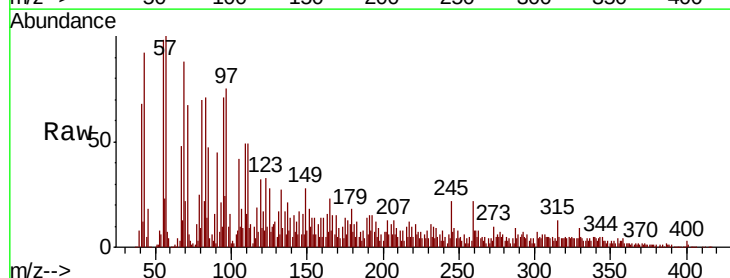
RT: 13.94 min Scan# 2016

Delta R.T. 0.01 min

Lab File: BF119197.D

Acq: 4 Mar 2020 16:23

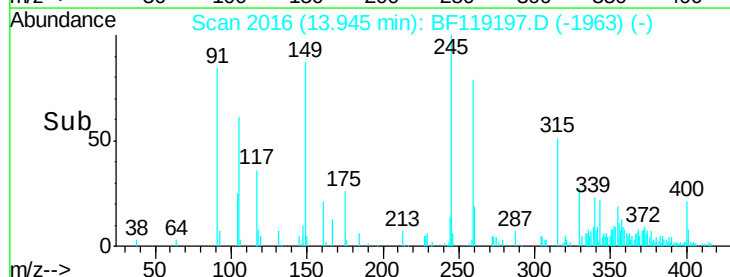
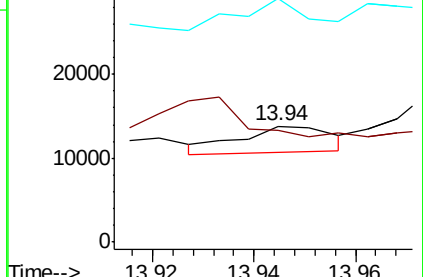
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 228   | Resp: | 3922  |
| Ion      | Ratio | Lower | Upper |
| 228      | 100   |       |       |
| 226      | 96.2  | 25.1  | 37.7# |
| 229      | 210.3 | 16.3  | 24.5# |

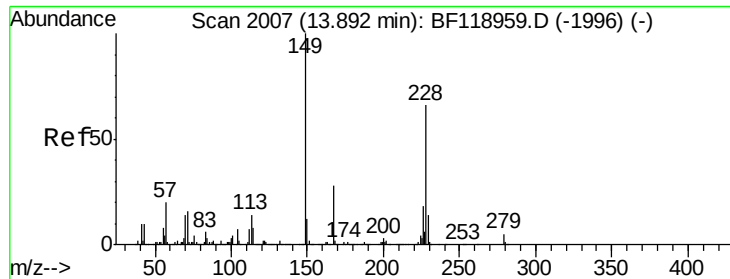


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 374.960 ng

RT: 13.94 min Scan# 2015

Delta R.T. 0.06 min

Lab File: BF119197.D

Acq: 4 Mar 2020 16:23

Instrument :

BNA\_F

ClientSampleId :

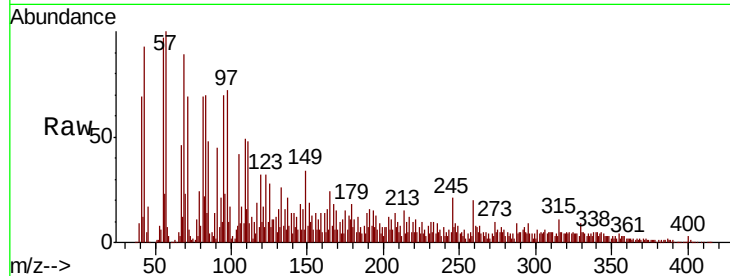
Tot Ion:149 Resp: 97224

Ion Ratio Lower Upper

149 100

167 51.3 22.8 34.2#

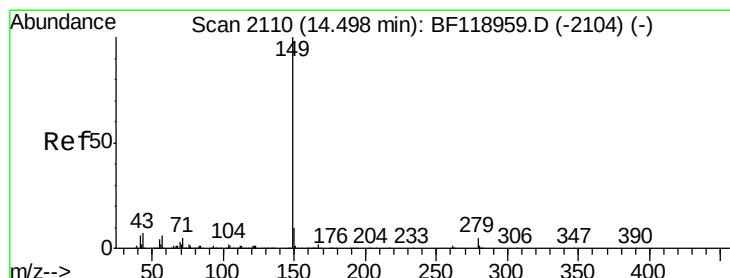
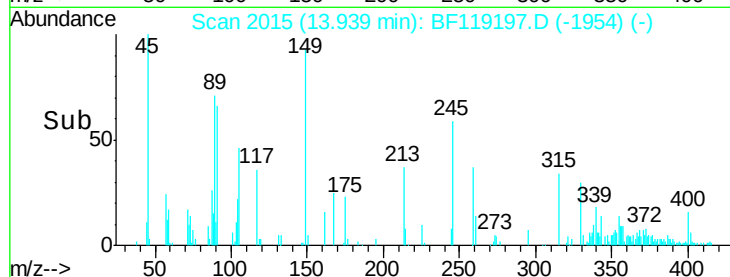
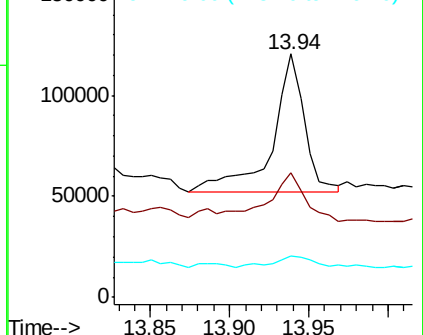
279 16.9 4.6 6.8#



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: 39.520 ng

RT: 14.53 min Scan# 2116

Delta R.T. 0.05 min

Lab File: BF119197.D

Acq: 4 Mar 2020 16:23

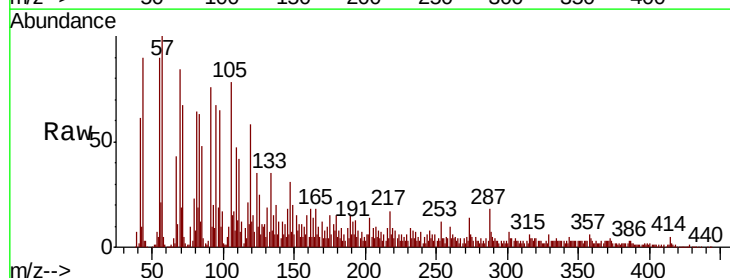
Tgt Ion:149 Resp: 16327

Ion Ratio Lower Upper

149 100

167 0.0 1.3 1.9#

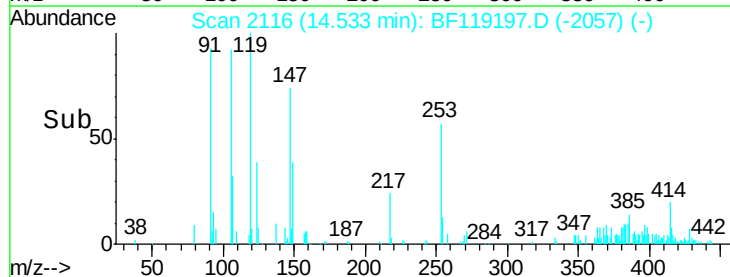
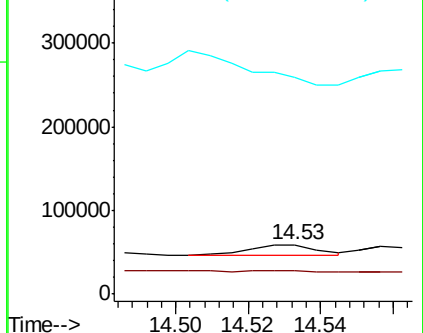
43 0.0 5.7 8.5#

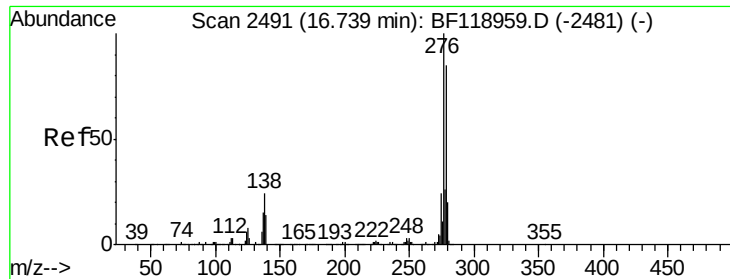


Abundance Ion 149.00 (148.70 to 149.70): E

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: 11.647 ng

RT: 16.83 min Scan# 2506

Delta R.T. 0.09 min

Lab File: BF119197.D

Acq: 4 Mar 2020 16:23

Instrument :

BNA\_F

ClientSampleId :

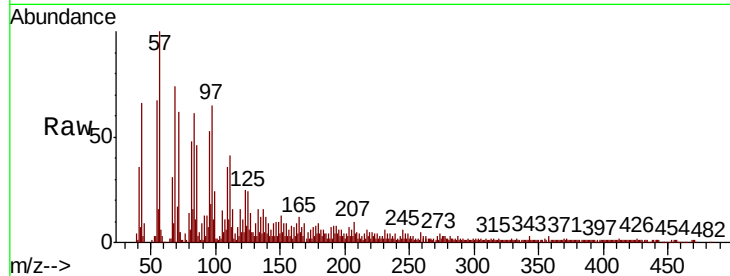
Tot Ion:276 Resp: 4650

Ion Ratio Lower Upper

276 100

138 25.8 17.4 26.0

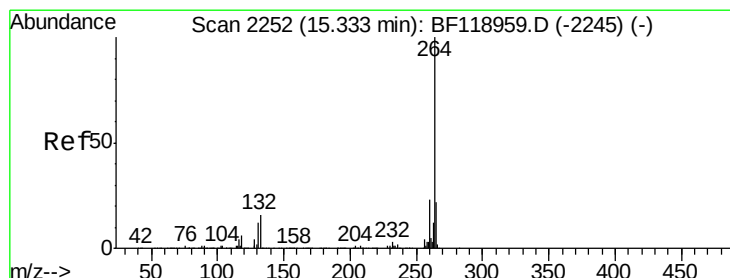
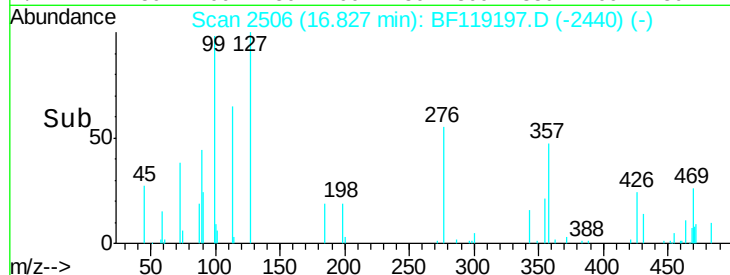
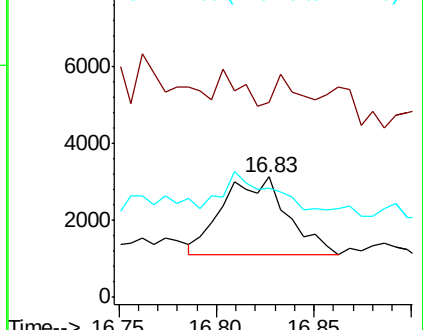
277 0.0 20.3 30.5#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.40 min Scan# 2263

Delta R.T. 0.08 min

Lab File: BF119197.D

Acq: 4 Mar 2020 16:23

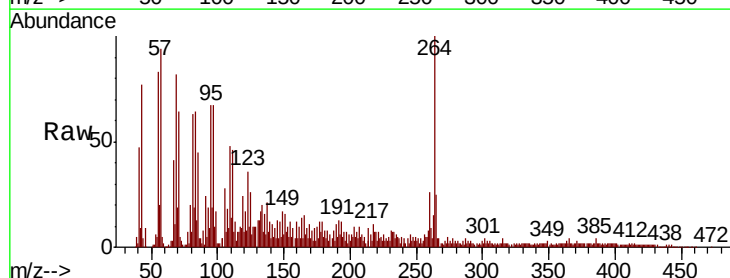
Tgt Ion:264 Resp: 248274

Ion Ratio Lower Upper

264 100

260 26.4 19.4 29.2

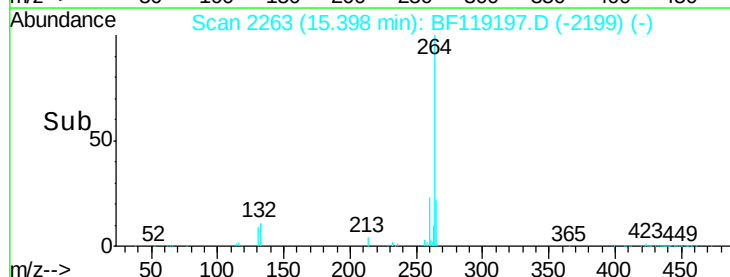
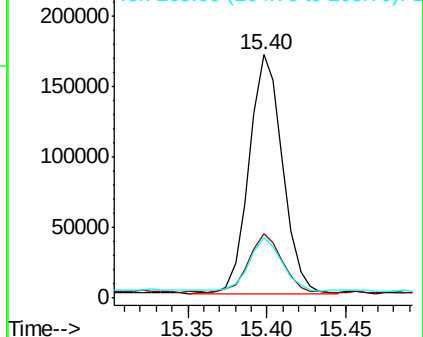
265 25.0 17.7 26.5

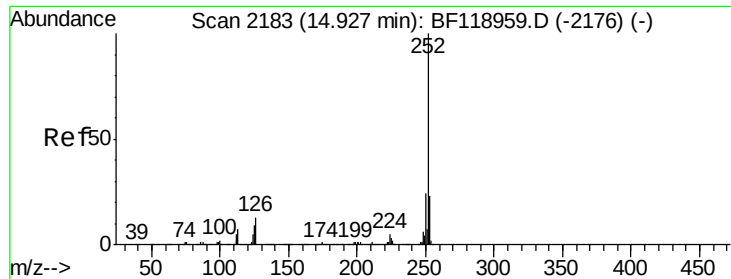


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

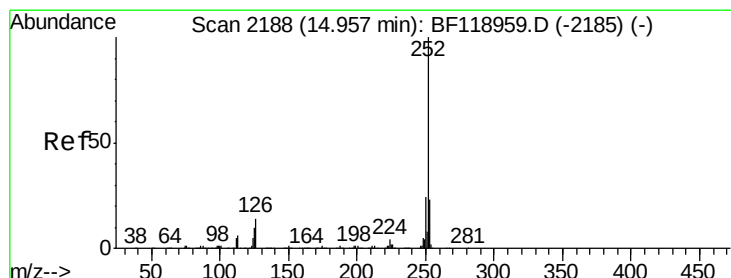
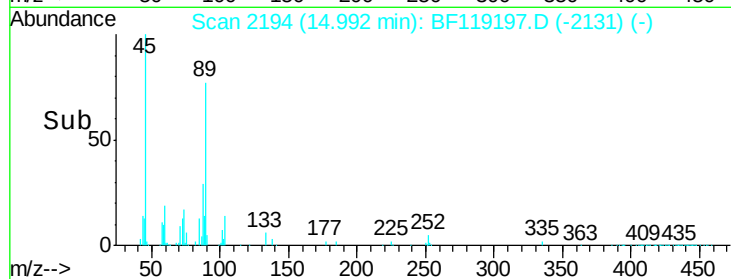
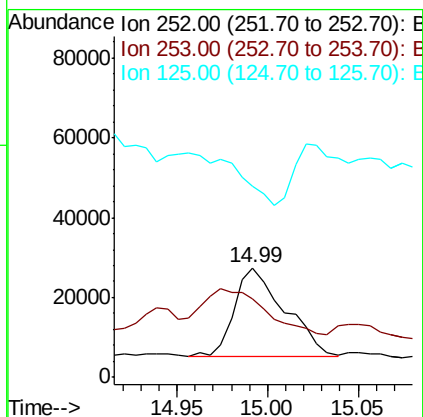
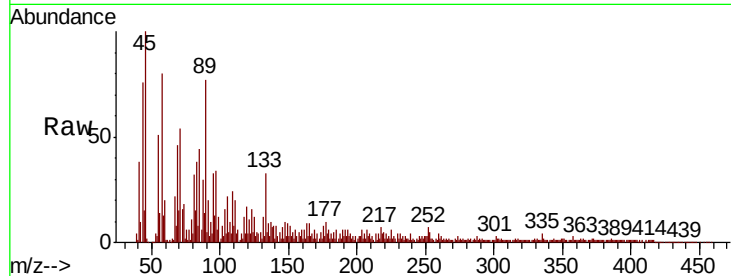




#88  
Benzo(b)fluoranthene  
Concen: 2.644 ng  
RT: 14.99 min Scan# 2194  
Delta R.T. 0.07 min  
Lab File: BF119197.D  
Acq: 4 Mar 2020 16:23

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:252 Resp: 43272  
Ion Ratio Lower Upper  
252 100  
253 71.1 18.1 27.1#  
125 174.6 7.4 11.0#



#89  
Benzo(k)fluoranthene  
Concen: 2.853 ng  
RT: 14.99 min Scan# 2194  
Delta R.T. 0.04 min  
Lab File: BF119197.D  
Acq: 4 Mar 2020 16:23

Tgt Ion:252 Resp: 43272  
Ion Ratio Lower Upper  
252 100  
253 71.1 17.8 26.8#  
125 174.6 7.5 11.3#

