

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112018\  
 Data File : BF110896.D  
 Acq On : 20 Nov 2018 16:06  
 Operator : JU/SJ  
 Sample : J6003-15  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Nov 20 17:21:14 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 13 12:43:10 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.94  | 152  | 56551    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.22  | 136  | 226763   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.98  | 164  | 105182   | 20.00 | ng    | -0.01    |
| 64) Phenanthrene-d10      | 11.48 | 188  | 170540   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 14.13 | 240  | 125564   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.67 | 264  | 104696   | 20.00 | ng    | 0.01     |

|                             |       |     |        |        |    |       |
|-----------------------------|-------|-----|--------|--------|----|-------|
| System Monitoring Compounds |       |     |        |        |    |       |
| 5) 2-Fluorophenol           | 5.56  | 112 | 400308 | 114.98 | ng | 0.00  |
| 7) Phenol-d6                | 6.57  | 99  | 505988 | 113.65 | ng | 0.00  |
| 23) Nitrobenzene-d5         | 7.50  | 82  | 318918 | 80.99  | ng | -0.01 |
| 42) 2,4,6-Tribromophenol    | 10.78 | 330 | 106976 | 100.94 | ng | 0.00  |
| 45) 2-Fluorobiphenyl        | 9.30  | 172 | 557790 | 75.74  | ng | 0.00  |
| 79) Terphenyl-d14           | 13.06 | 244 | 406734 | 60.66  | ng | -0.01 |

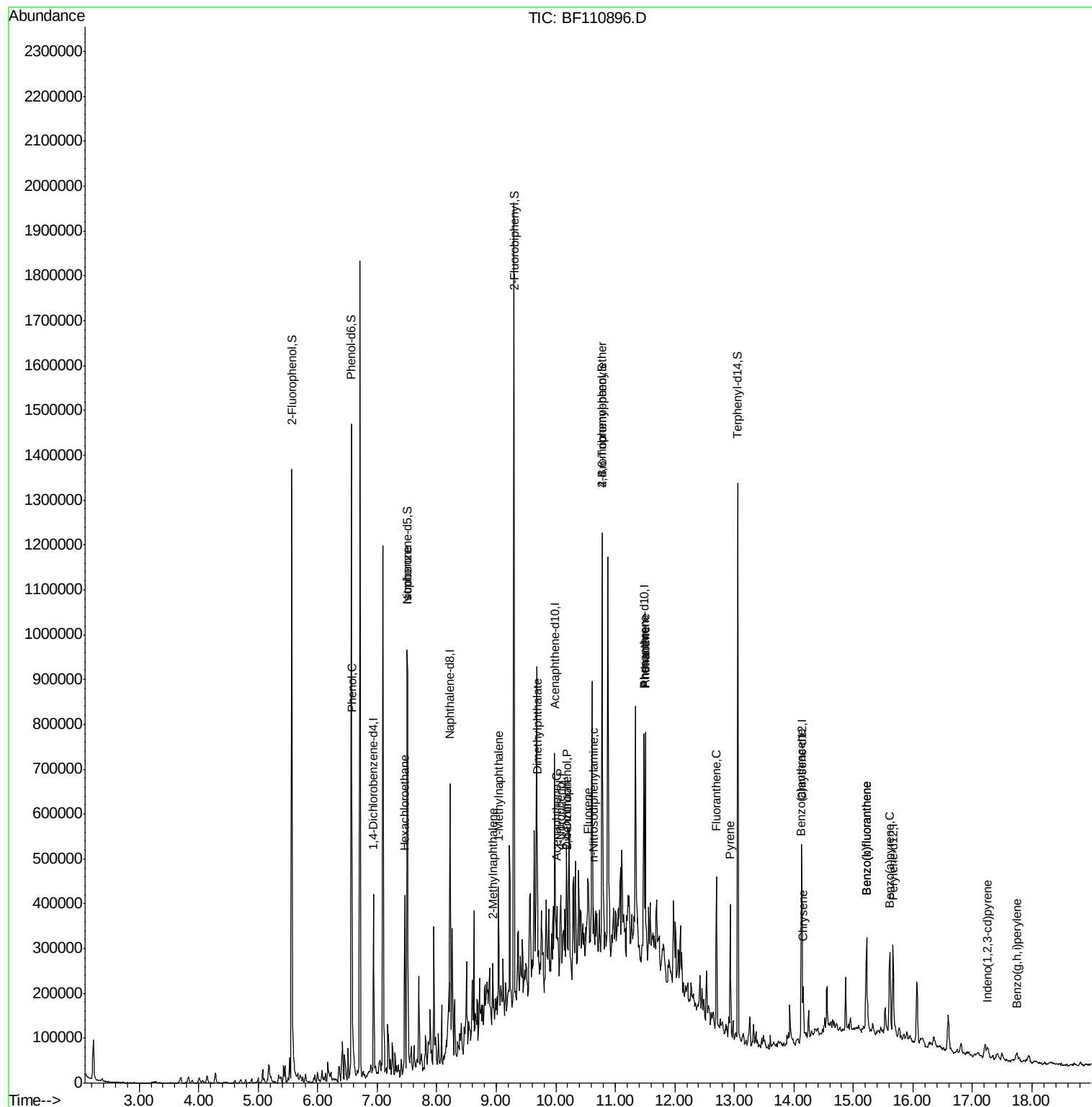
|                               |       |     |        |           |   |     |
|-------------------------------|-------|-----|--------|-----------|---|-----|
| Target Compounds              |       |     |        | Qvalue    |   |     |
| 9) Benzaldehyde               | 6.57  | 77  | 971    | Below Cal | # | 1   |
| 10) Phenol                    | 6.58  | 94  | 23860  | 4.622 ng  | # | 77  |
| 18) Hexachloroethane          | 7.46  | 117 | 16345  | 9.763 ng  | # | 1   |
| 25) Isophorone                | 7.50  | 82  | 315415 | 48.873 ng | # | 67  |
| 37) 2-Methylnaphthalene       | 8.94  | 142 | 43822  | 6.280 ng  |   | 100 |
| 38) 1-Methylnaphthalene       | 9.04  | 142 | 62777  | 9.354 ng  | # | 98  |
| 50) Dimethylphthalate         | 9.69  | 163 | 33840  | 4.312 ng  | # | 97  |
| 52) Acenaphthene              | 10.02 | 154 | 16752  | 2.604 ng  |   | 97  |
| 54) 2,4-Dinitrophenol         | 10.19 | 184 | 151    | 4.908 ng  | # | 1   |
| 55) Dibenzofuran              | 10.19 | 168 | 23350  | 2.481 ng  | # | 97  |
| 56) 4-Nitrophenol             | 10.08 | 139 | 4622   | 3.483 ng  | # | 58  |
| 58) Fluorene                  | 10.53 | 166 | 38928  | 5.384 ng  | # | 93  |
| 66) n-Nitrosodiphenylamine    | 10.64 | 169 | 17022  | 2.961 ng  | # | 48  |
| 67) 4-Bromophenyl-phenylether | 10.78 | 248 | 6798   | 3.607 ng  | # | 1   |
| 71) Phenanthrene              | 11.50 | 178 | 174455 | 19.094 ng |   | 98  |
| 72) Anthracene                | 11.50 | 178 | 174455 | 18.928 ng |   | 98  |
| 75) Fluoranthene              | 12.70 | 202 | 133878 | 14.615 ng |   | 98  |
| 78) Pyrene                    | 12.93 | 202 | 118827 | 12.291 ng |   | 97  |
| 81) Benzo(a)anthracene        | 14.12 | 228 | 50798  | 6.768 ng  |   | 98  |
| 83) Chrysene                  | 14.16 | 228 | 44089  | 6.166 ng  |   | 97  |
| 86) Indeno(1,2,3-cd)pyrene    | 17.26 | 276 | 17408  | 3.393 ng  |   | 98  |
| 88) Benzo(b)fluoranthene      | 15.21 | 252 | 73463  | 11.729 ng | # | 96  |
| 89) Benzo(k)fluoranthene      | 15.21 | 252 | 73463  | 11.870 ng | # | 95  |
| 90) Benzo(a)pyrene            | 15.60 | 252 | 36428  | 6.401 ng  | # | 96  |
| 92) Benzo(g,h,i)perylene      | 17.74 | 276 | 14589  | 3.053 ng  |   | 98  |

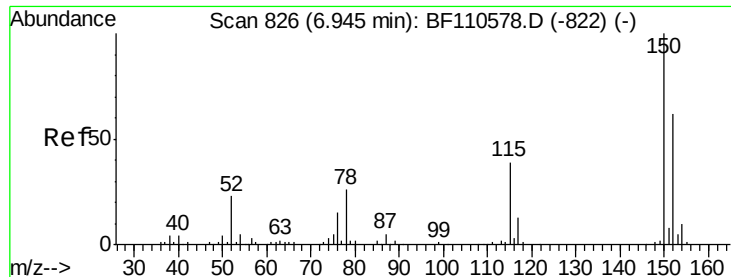
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112018\  
Data File : BF110896.D  
Acq On : 20 Nov 2018 16:06  
Operator : JU/SJ  
Sample : J6003-15  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :

Quant Time: Nov 20 17:21:14 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Nov 13 12:43:10 2018  
Response via : Initial Calibration



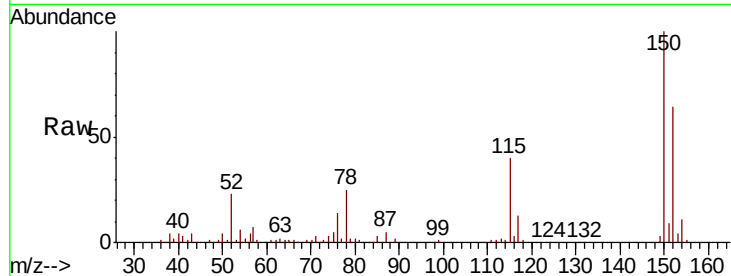


#1

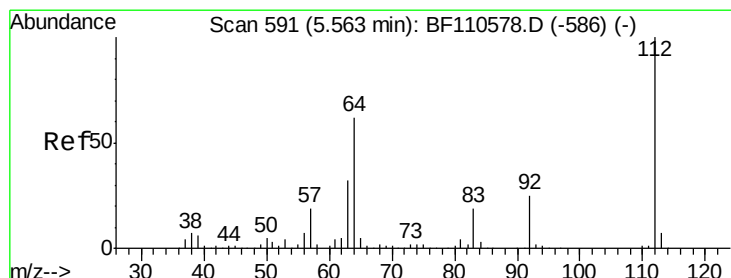
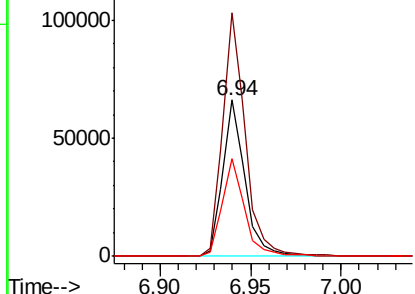
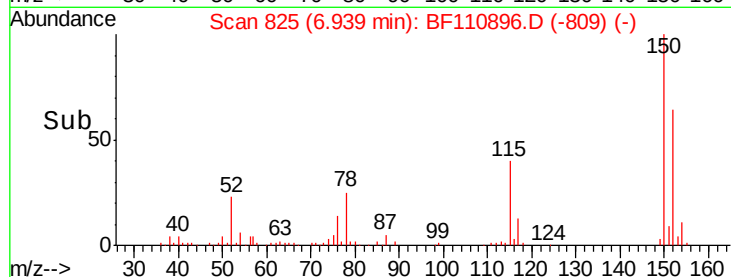
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.94 min Scan# 825  
Delta R.T. -0.01 min  
Lab File: BF110896.D  
Acq: 20 Nov 2018 16:06

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 56551  
Ion Ratio Lower Upper  
152 100  
150 155.7 122.7 184.1  
115 62.7 49.1 73.7



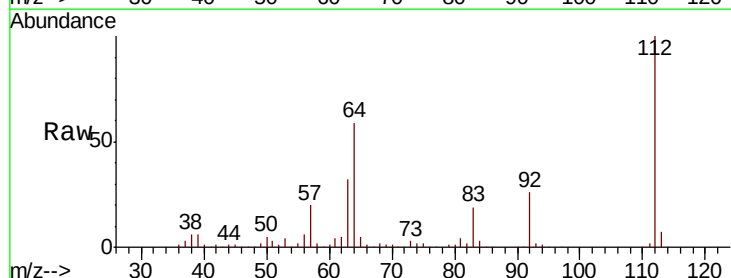
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



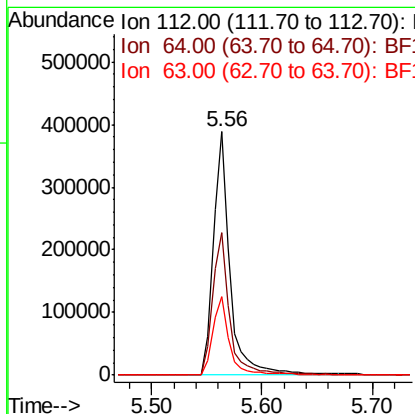
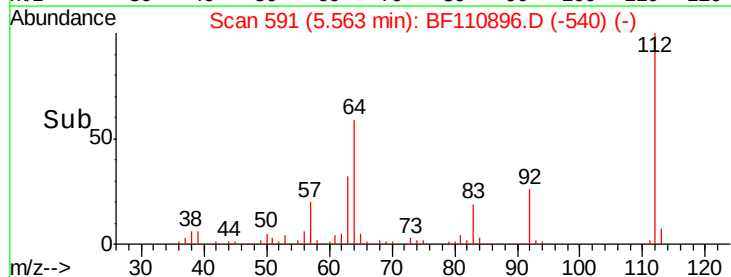
#5

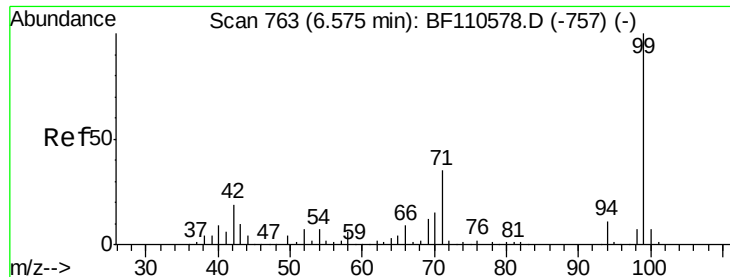
2-Fluorophenol  
Concen: 114.981 ng  
RT: 5.56 min Scan# 591  
Delta R.T. 0.00 min  
Lab File: BF110896.D  
Acq: 20 Nov 2018 16:06

Tgt Ion:112 Resp: 400308  
Ion Ratio Lower Upper  
112 100  
64 58.5 44.1 66.1  
63 32.1 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





#7

Phenol-d6

Concen: 113.653 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.01 min

Lab File: BF110896.D

Acq: 20 Nov 2018 16:06

Instrument :

BNA\_F

ClientSampleId :

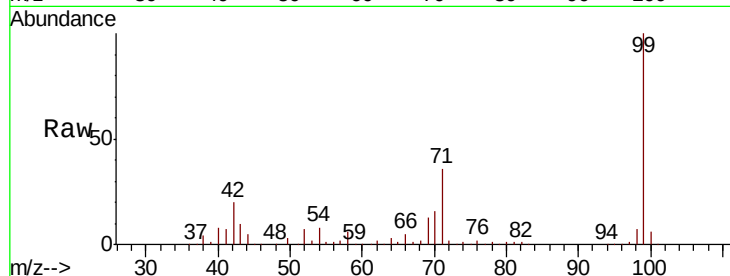
Tot Ion: 99 Resp: 505988

Ion Ratio Lower Upper

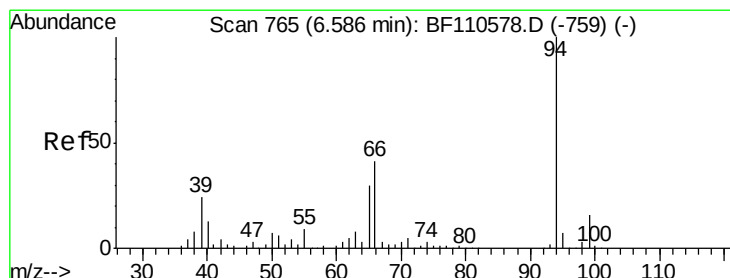
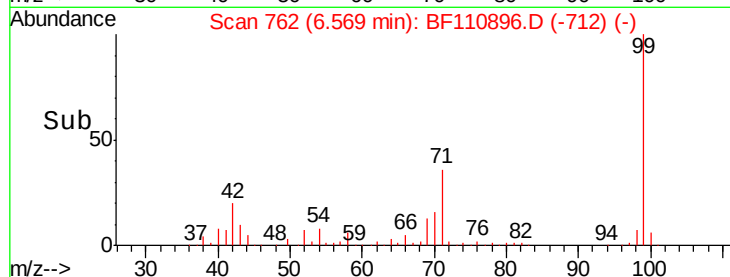
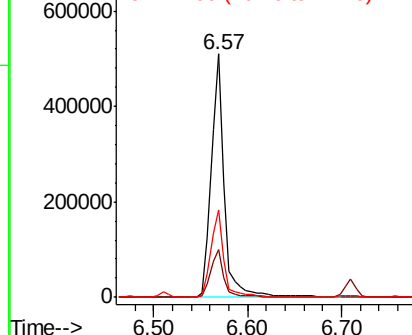
99 100

42 19.6 15.8 23.6

71 35.7 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



#10

Phenol

Concen: 4.622 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF110896.D

Acq: 20 Nov 2018 16:06

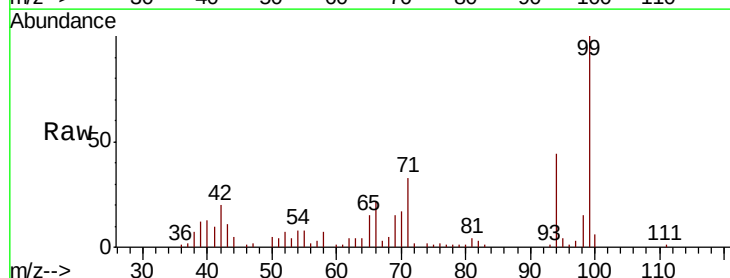
Tgt Ion: 94 Resp: 23860

Ion Ratio Lower Upper

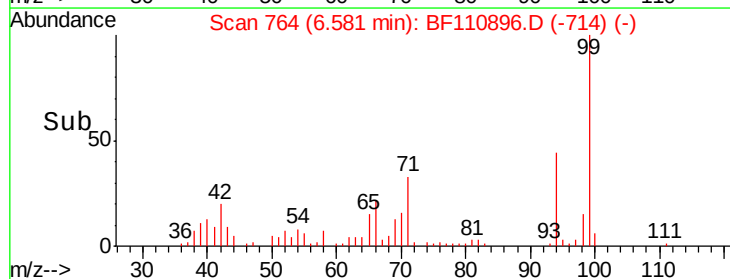
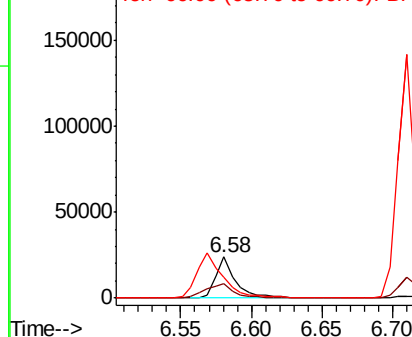
94 100

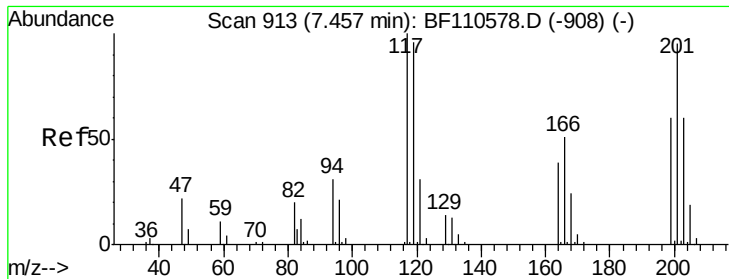
65 34.8 25.3 65.3

66 50.8 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

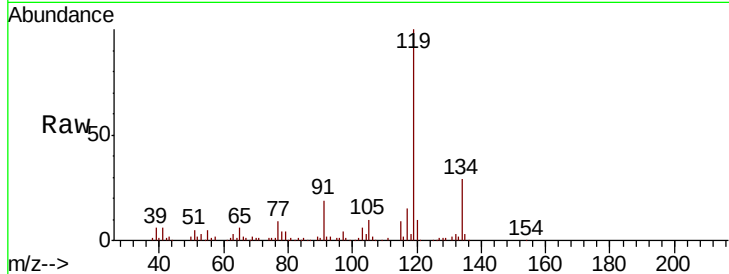




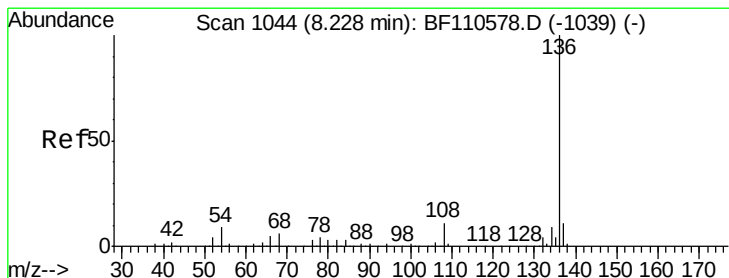
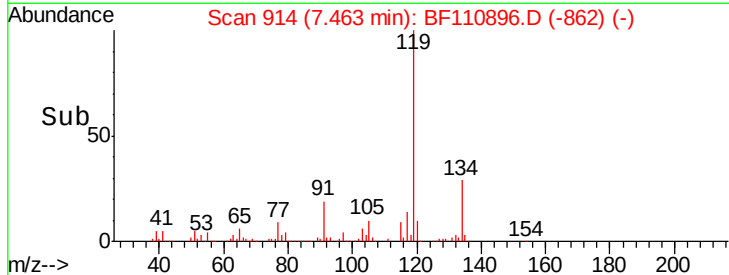
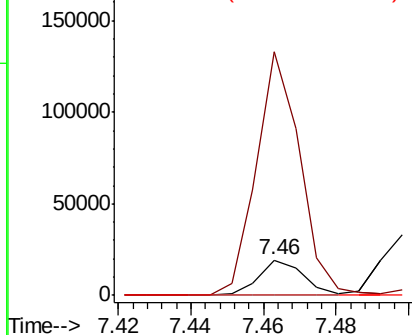
#18  
Hexachloroethane  
Concen: 9.763 ng  
RT: 7.46 min Scan# 914  
Delta R.T. 0.01 min  
Lab File: BF110896.D  
Acq: 20 Nov 2018 16:06

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:117 Resp: 16345  
Ion Ratio Lower Upper  
117 100  
119 686.4 75.0 112.6#  
201 0.0 79.2 118.8#

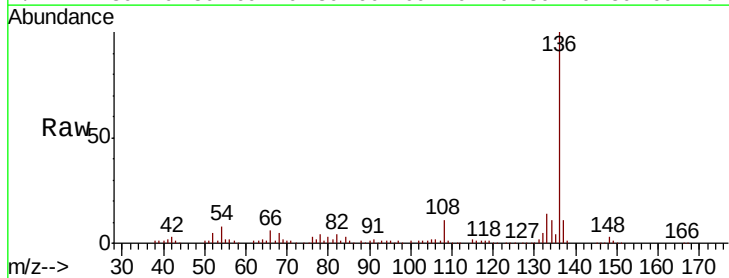


Abundance Ion 117.00 (116.70 to 117.70): E  
Ion 119.00 (118.70 to 119.70): E  
Ion 201.00 (200.70 to 201.70): E

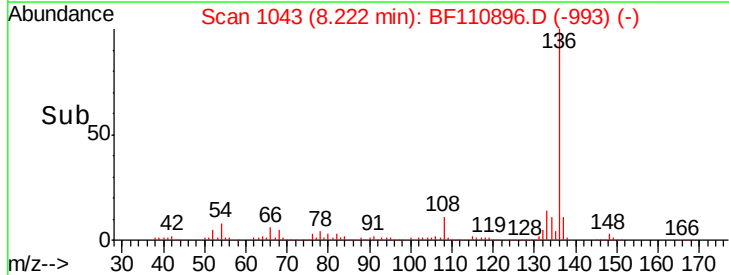
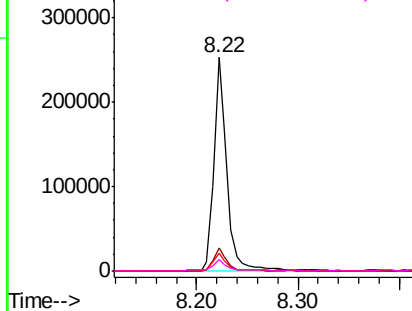


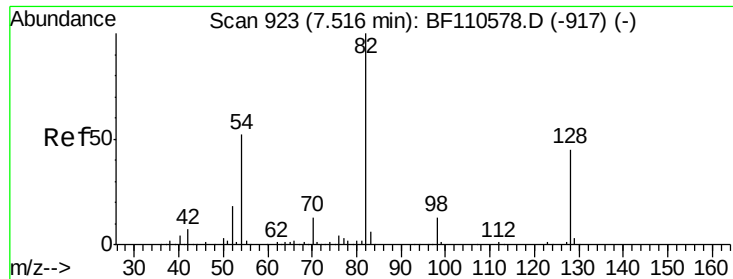
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.22 min Scan# 1043  
Delta R.T. -0.01 min  
Lab File: BF110896.D  
Acq: 20 Nov 2018 16:06

Tgt Ion:136 Resp: 226763  
Ion Ratio Lower Upper  
136 100  
137 10.7 8.8 13.2  
54 8.2 5.4 8.2#  
68 5.4 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

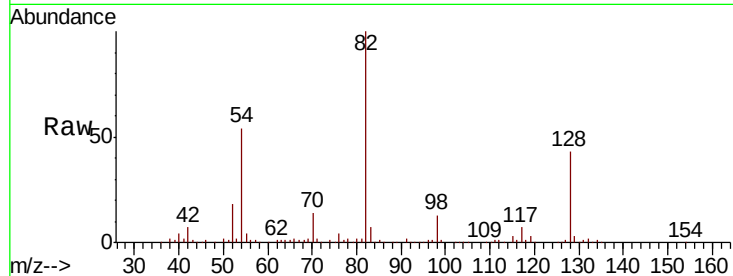




#23  
Nitrobenzene-d5  
Concen: 80.994 ng  
RT: 7.50 min Scan# 921  
Delta R.T. -0.01 min  
Lab File: BF110896.D  
Acq: 20 Nov 2018 16:06

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion   | 82    | Resp  | 318918 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 42.6  | 34.2  | 51.2   |
| 54        | 54.3  | 38.6  | 58.0   |

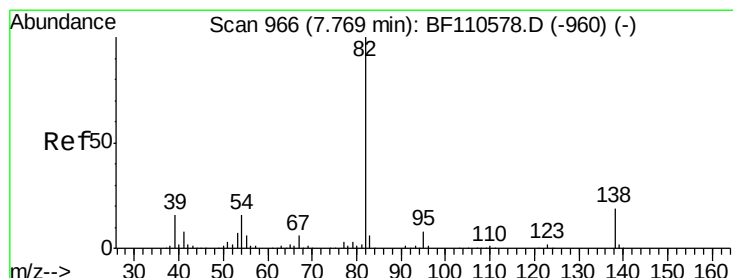
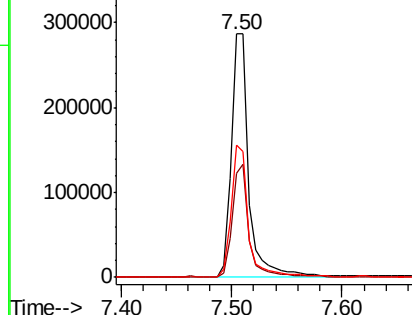
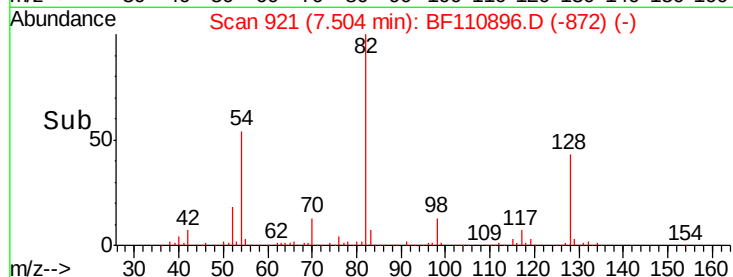


Abundance

Ion 82.00 (81.70 to 82.70): BF1

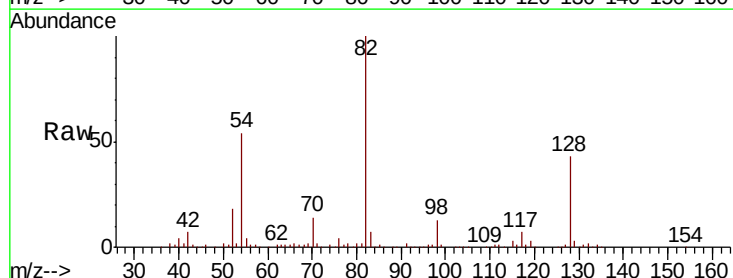
Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25  
Isophorone  
Concen: 48.873 ng  
RT: 7.50 min Scan# 921  
Delta R.T. -0.26 min  
Lab File: BF110896.D  
Acq: 20 Nov 2018 16:06

| Tgt Ion   | 82    | Resp  | 315415 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 95        | 0.3   | 5.7   | 8.5#   |
| 138       | 0.0   | 13.2  | 19.8#  |

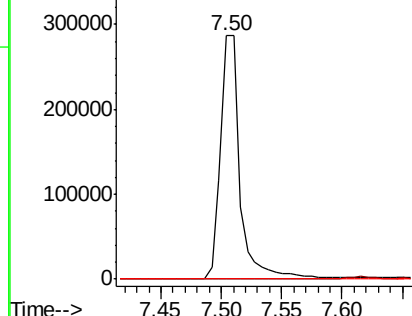
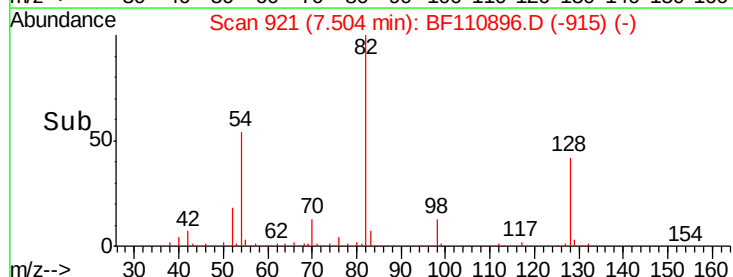


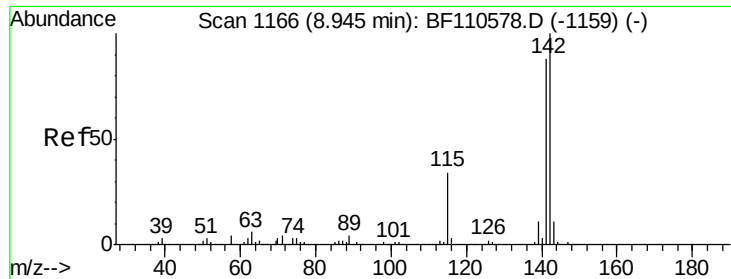
Abundance

Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

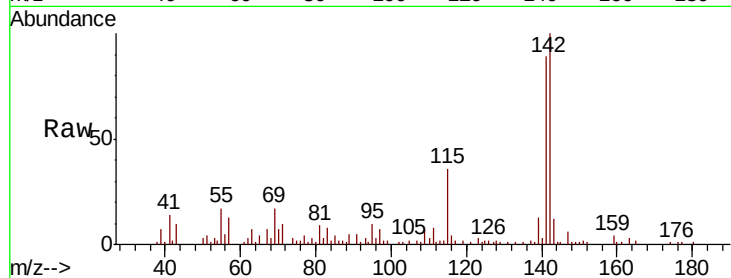




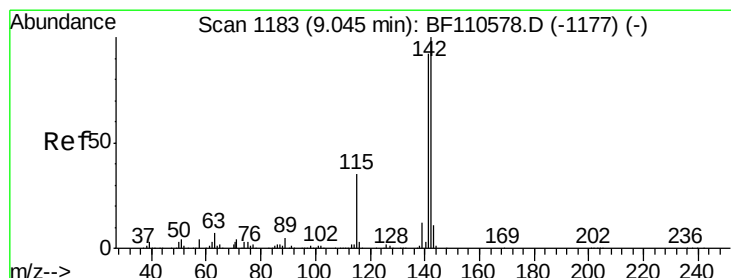
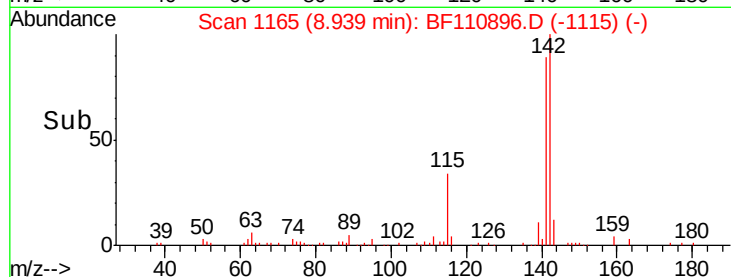
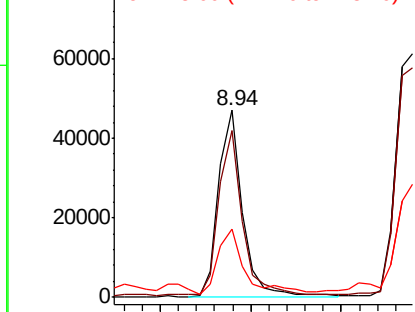
#37  
2-Methylnaphthalene  
Concen: 6.280 ng  
RT: 8.94 min Scan# 1165  
Delta R.T. -0.01 min  
Lab File: BF110896.D  
Acq: 20 Nov 2018 16:06

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:142 Resp: 43822  
Ion Ratio Lower Upper  
142 100  
141 89.0 71.4 107.2  
115 36.3 28.7 43.1

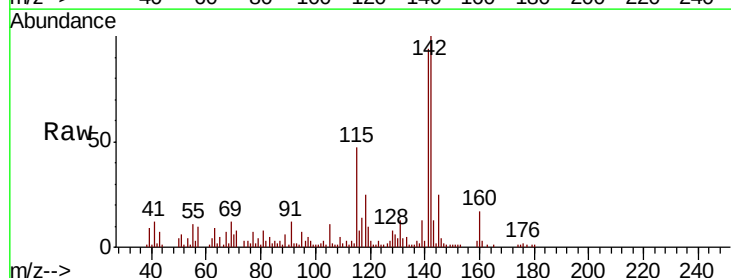


Abundance Ion 142.00 (141.70 to 142.70): E  
Ion 141.00 (140.70 to 141.70): E  
Ion 115.00 (114.70 to 115.70): E

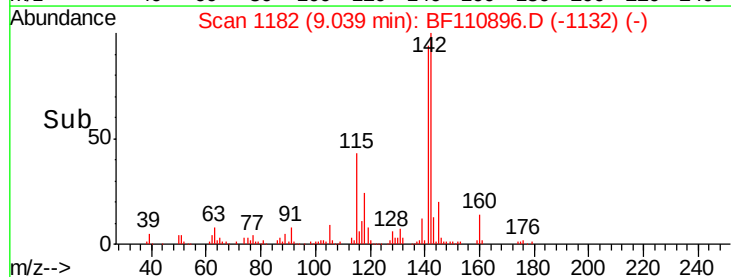
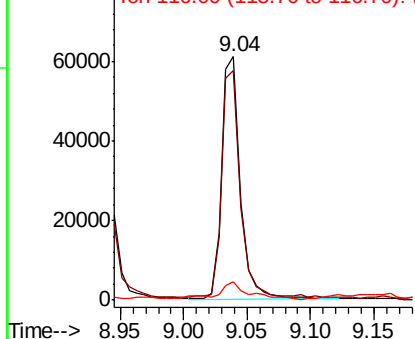


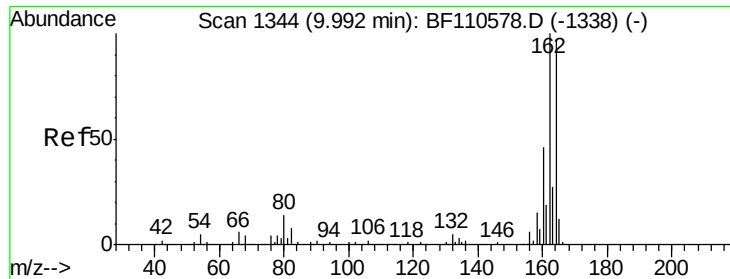
#38  
1-Methylnaphthalene  
Concen: 9.354 ng  
RT: 9.04 min Scan# 1182  
Delta R.T. -0.01 min  
Lab File: BF110896.D  
Acq: 20 Nov 2018 16:06

Tgt Ion:142 Resp: 62777  
Ion Ratio Lower Upper  
142 100  
141 94.1 74.2 111.4  
116 7.7 2.6 4.0#



Abundance Ion 142.00 (141.70 to 142.70): E  
Ion 141.00 (140.70 to 141.70): E  
Ion 116.00 (115.70 to 116.70): E

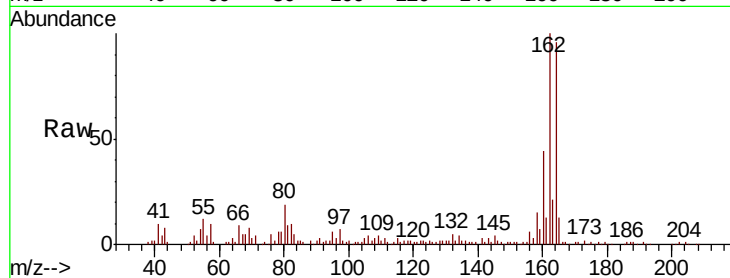




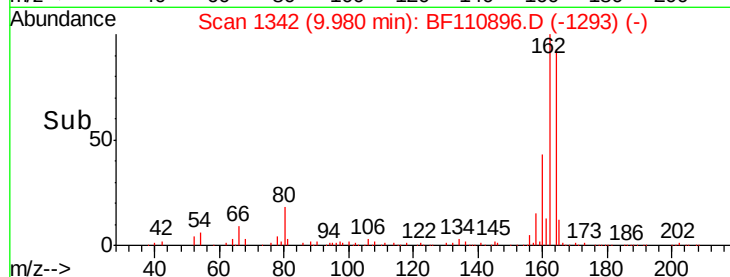
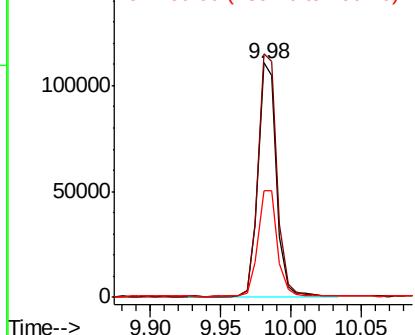
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.98 min Scan# 1342  
Delta R.T. -0.01 min  
Lab File: BF110896.D  
Acq: 20 Nov 2018 16:06

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:164 Resp: 105182  
Ion Ratio Lower Upper  
164 100  
162 103.8 83.0 124.6  
160 45.5 37.0 55.6

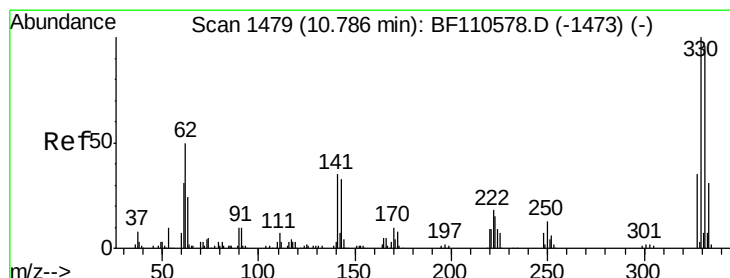


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

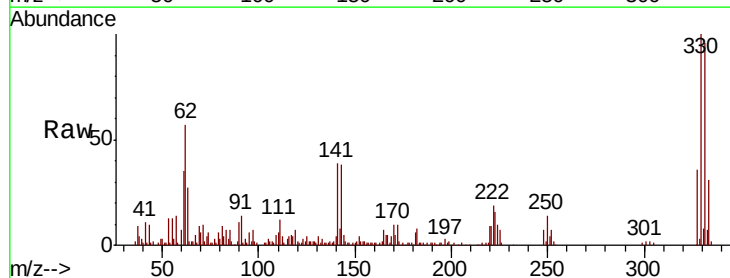
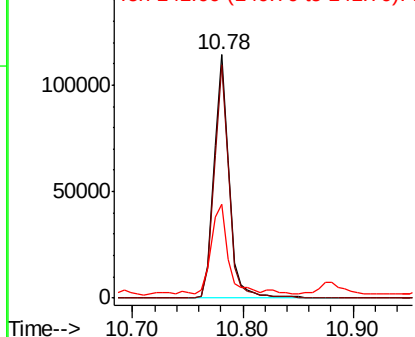


#42  
2,4,6-Tribromophenol  
Concen: 100.936 ng  
RT: 10.78 min Scan# 1478  
Delta R.T. -0.01 min  
Lab File: BF110896.D  
Acq: 20 Nov 2018 16:06

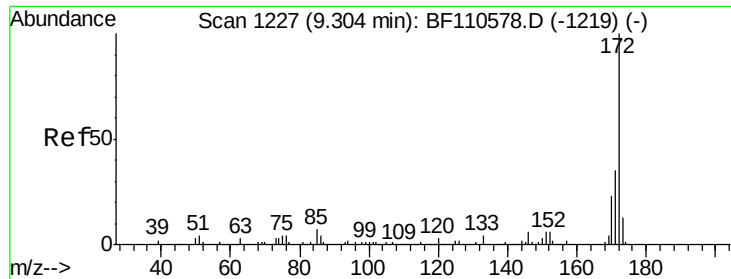
Tgt Ion:330 Resp: 106976  
Ion Ratio Lower Upper  
330 100  
332 95.0 77.1 115.7  
141 42.6 27.0 40.4#



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



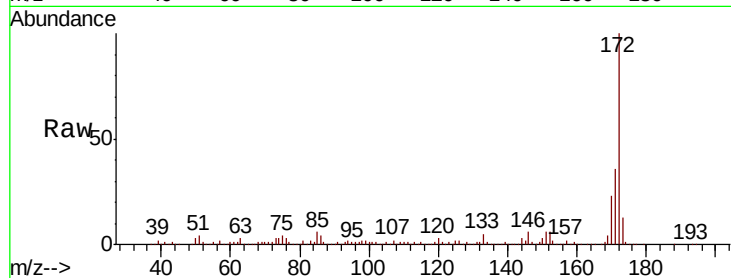




#45  
2-Fluorobiphenyl  
Concen: 75.738 ng  
RT: 9.30 min Scan# 1226  
Delta R.T. -0.01 min  
Lab File: BF110896.D  
Acq: 20 Nov 2018 16:06

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.0  | 28.6  | 43.0  |
| 170     | 23.3  | 19.7  | 29.5  |

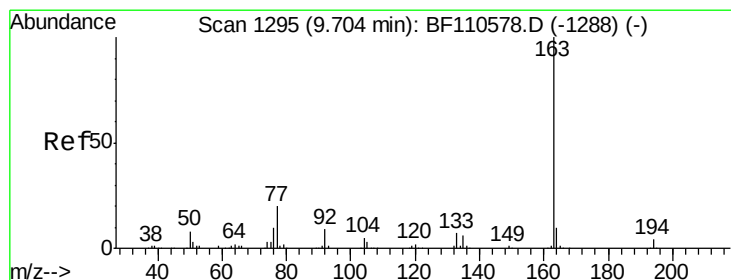
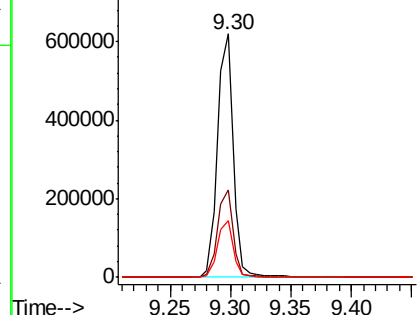
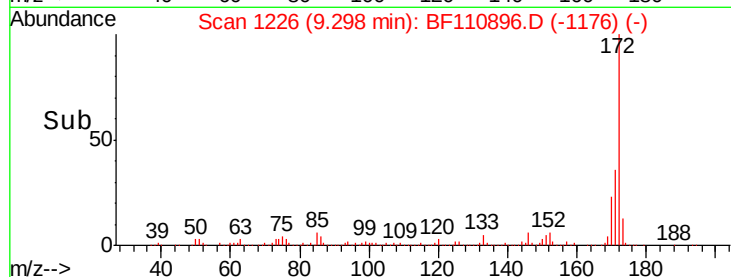


Abundance

Ion 172.00 (171.70 to 172.70): E

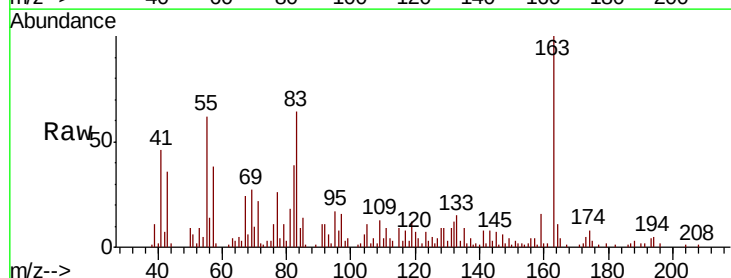
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50  
Dimethylphthalate  
Concen: 4.312 ng  
RT: 9.69 min Scan# 1293  
Delta R.T. -0.01 min  
Lab File: BF110896.D  
Acq: 20 Nov 2018 16:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 4.8   | 3.2   | 4.8#  |
| 164     | 11.3  | 8.1   | 12.1  |

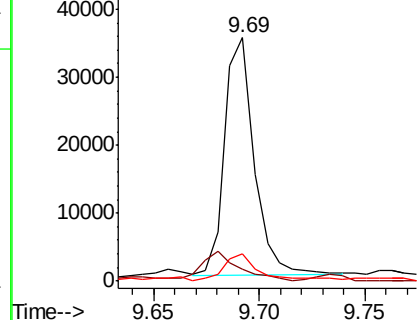
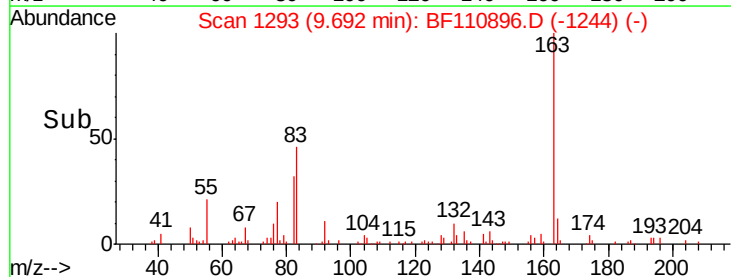


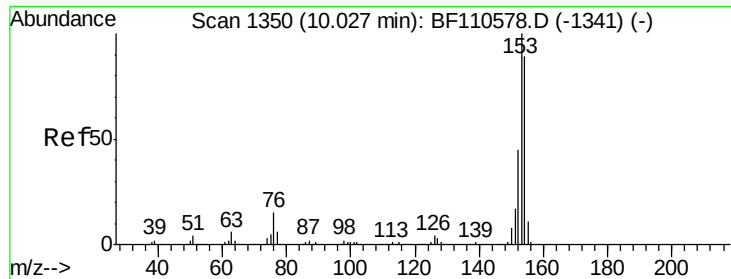
Abundance

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





#52

Acenaphthene

Concen: 2.604 ng

RT: 10.02 min Scan# 1348

Delta R.T. -0.01 min

Lab File: BF110896.D

Acq: 20 Nov 2018 16:06

Instrument :

BNA\_F

ClientSampleId :

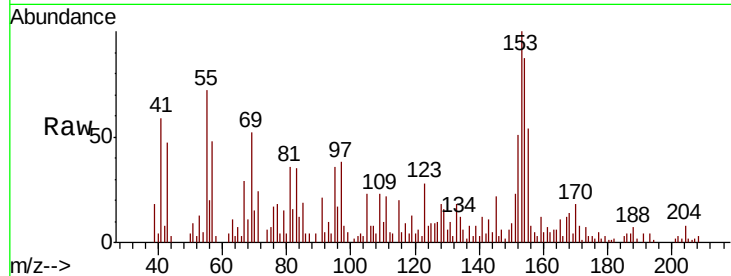
Tot Ion:154 Resp: 16752

Ion Ratio Lower Upper

154 100

153 114.4 90.1 135.1

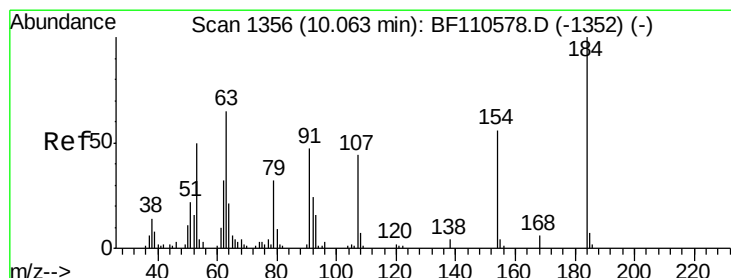
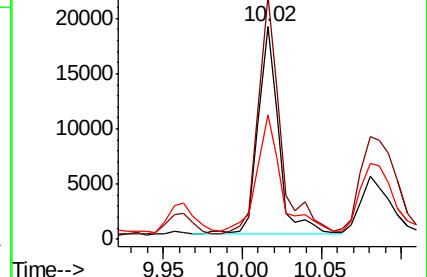
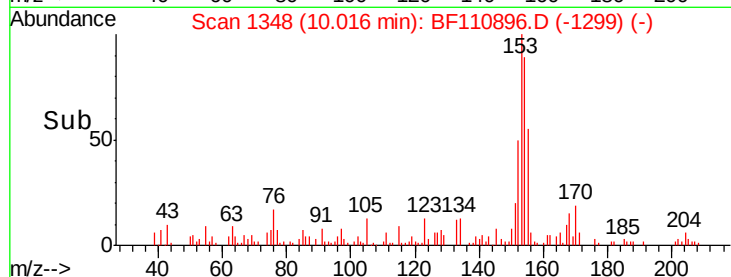
152 58.5 43.4 65.2



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



#54

2,4-Dinitrophenol

Concen: 4.908 ng

RT: 10.19 min Scan# 1378

Delta R.T. 0.13 min

Lab File: BF110896.D

Acq: 20 Nov 2018 16:06

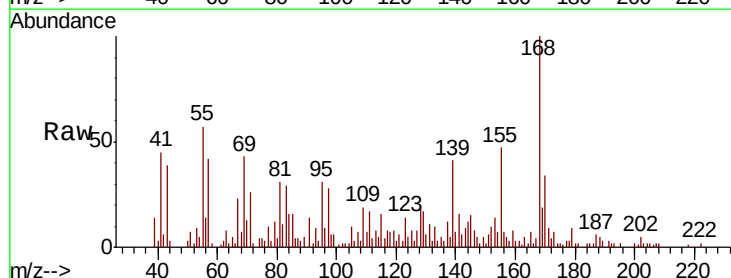
Tgt Ion:184 Resp: 151

Ion Ratio Lower Upper

184 100

63 472.0 55.8 83.6#

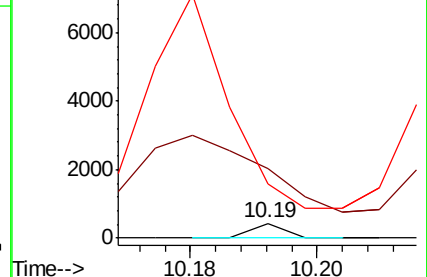
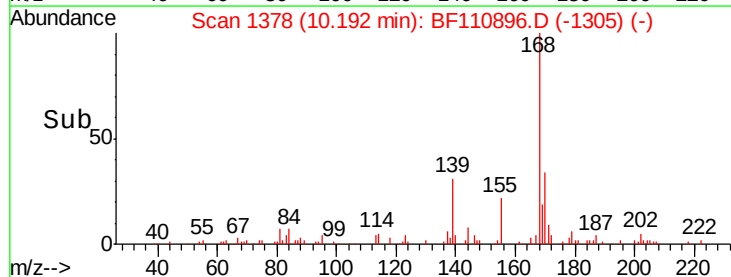
154 369.2 63.2 94.8#

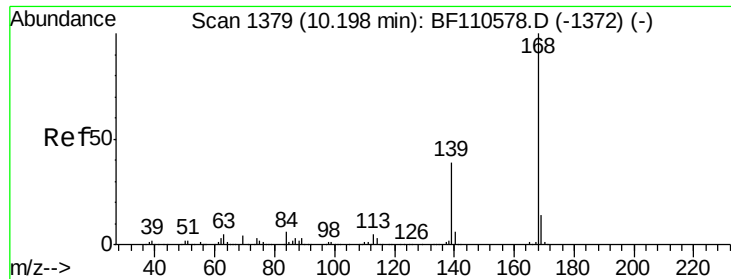


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





#55

Dibenzofuran

Concen: 2.481 ng

RT: 10.19 min Scan# 1378

Delta R.T. -0.01 min

Lab File: BF110896.D

Acq: 20 Nov 2018 16:06

Instrument :

BNA\_F

ClientSampleId :

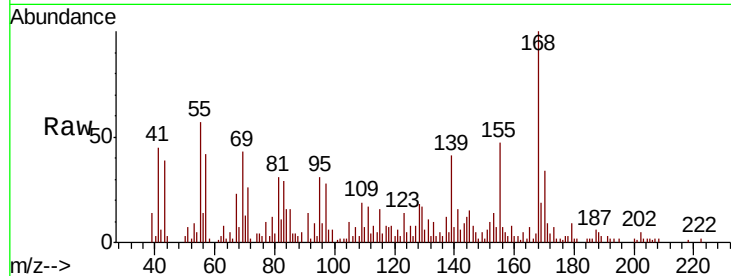
Tot Ion:168 Resp: 23350

Ion Ratio Lower Upper

168 100

139 41.4 33.0 49.6

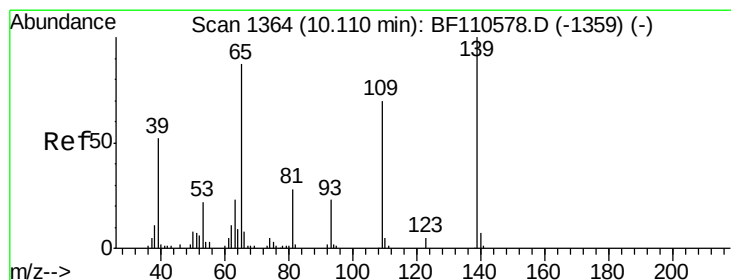
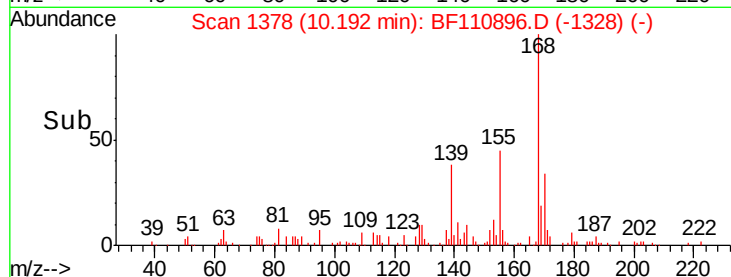
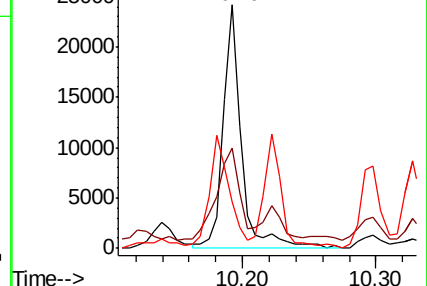
169 19.0 11.3 16.9#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 3.483 ng

RT: 10.08 min Scan# 1359

Delta R.T. -0.03 min

Lab File: BF110896.D

Acq: 20 Nov 2018 16:06

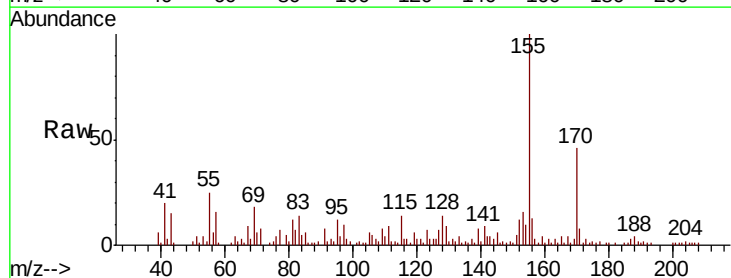
Tgt Ion:139 Resp: 4622

Ion Ratio Lower Upper

139 100

109 97.0 55.8 95.8#

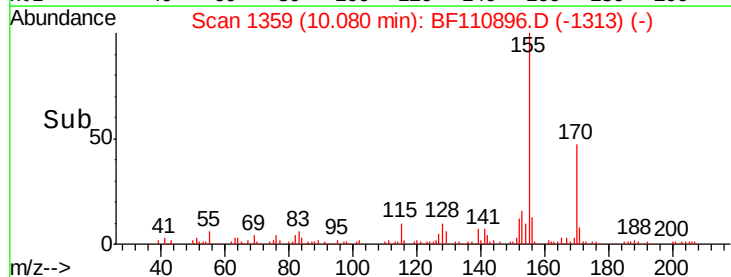
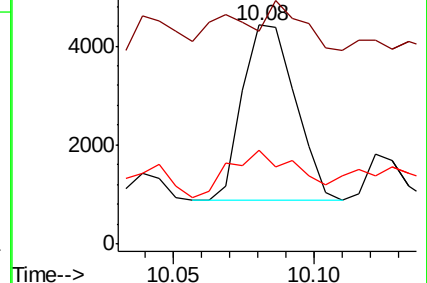
65 42.6 77.9 117.9#

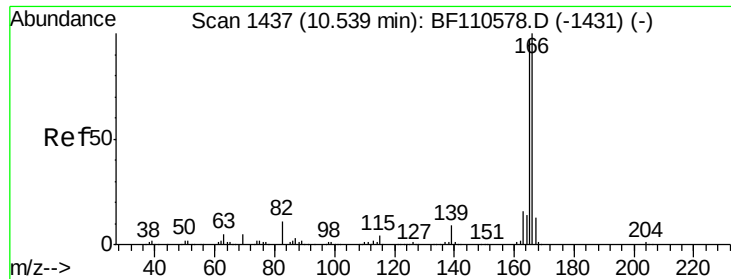


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

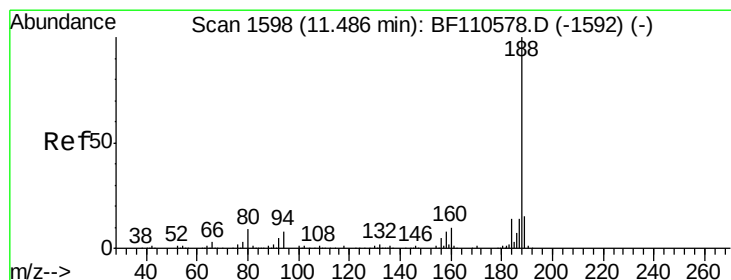
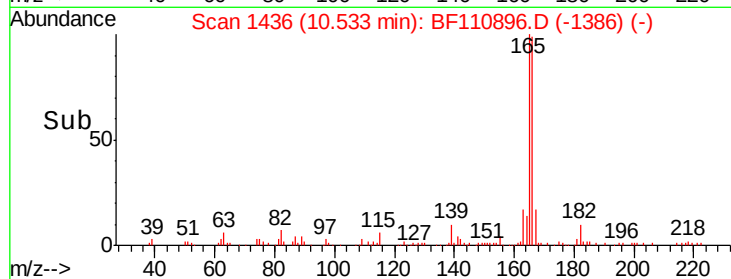
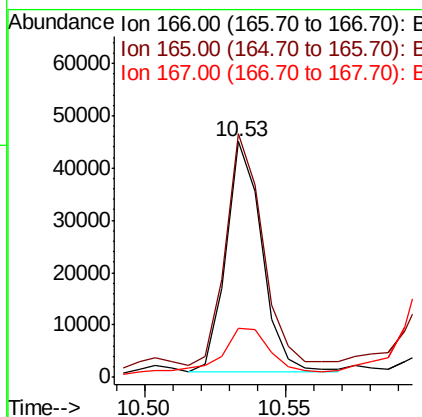
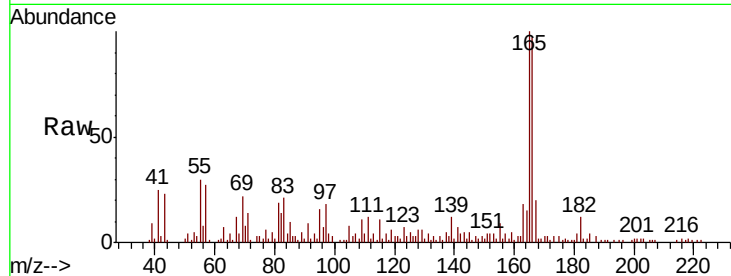




#58  
 Fluorene  
 Concen: 5.384 ng  
 RT: 10.53 min Scan# 1436  
 Delta R.T. -0.01 min  
 Lab File: BF110896.D  
 Acq: 20 Nov 2018 16:06

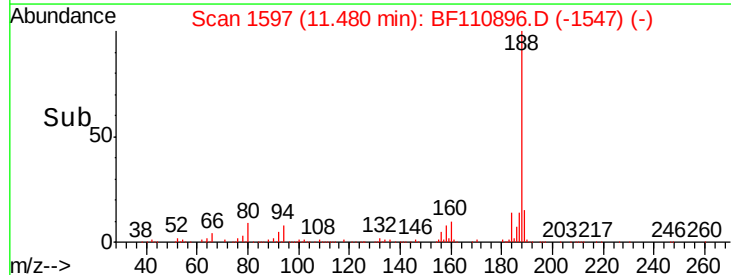
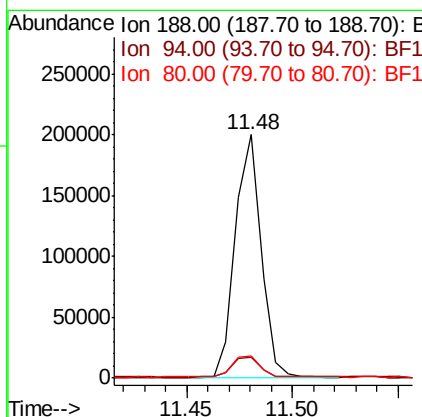
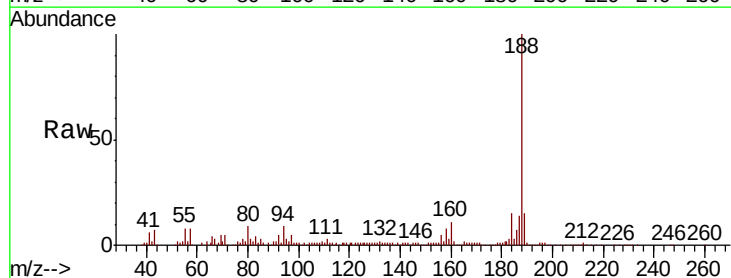
Instrument :  
 BNA\_F  
 ClientSampleId :

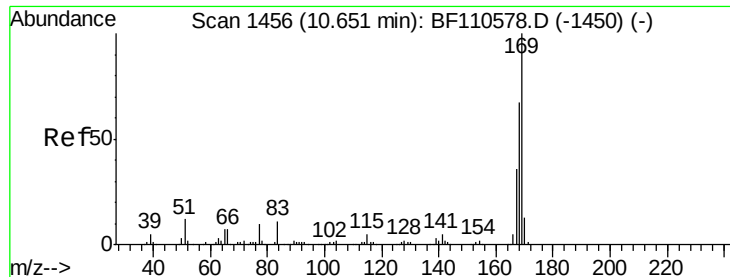
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 103.3 | 78.6  | 117.8 |
| 167     | 20.7  | 10.8  | 16.2  |



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.48 min Scan# 1597  
 Delta R.T. -0.01 min  
 Lab File: BF110896.D  
 Acq: 20 Nov 2018 16:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 8.6   | 7.2   | 10.8  |
| 80      | 9.1   | 7.9   | 11.9  |

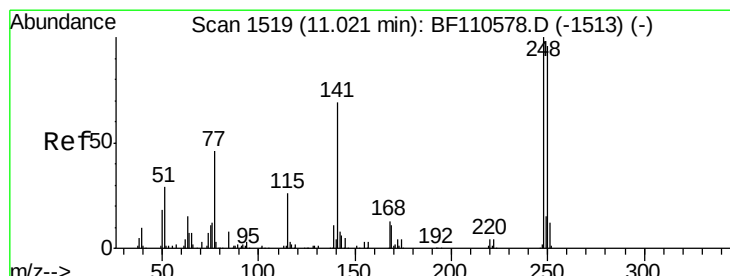
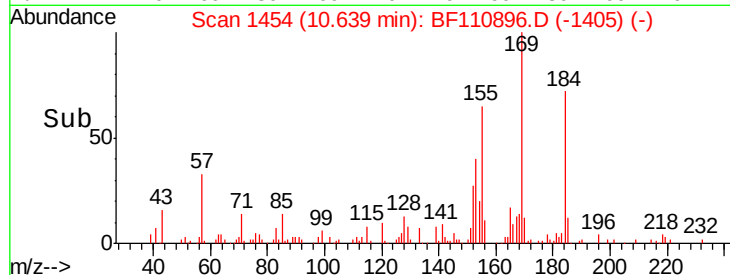
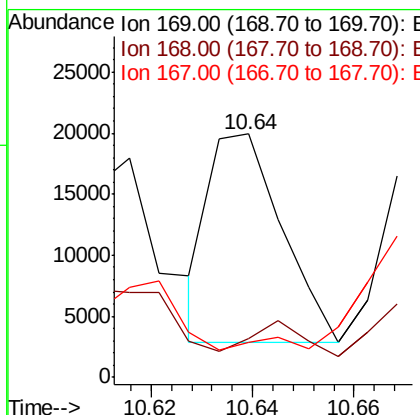
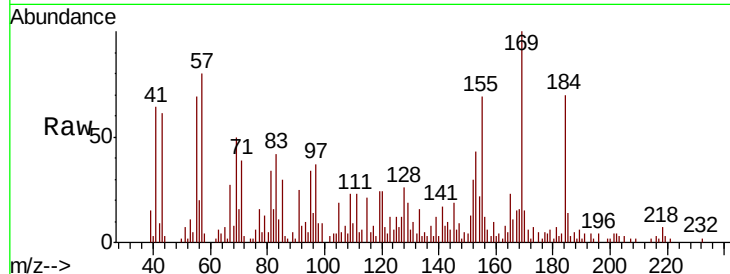




#66  
 n-Nitrosodiphenylamine  
 Concen: 2.961 ng  
 RT: 10.64 min Scan# 1454  
 Delta R.T. -0.01 min  
 Lab File: BF110896.D  
 Acq: 20 Nov 2018 16:06

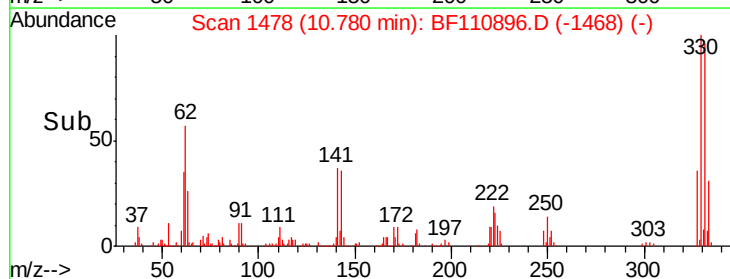
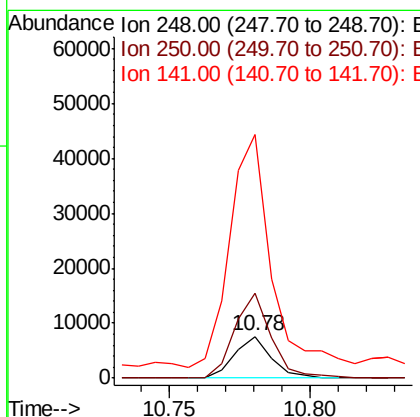
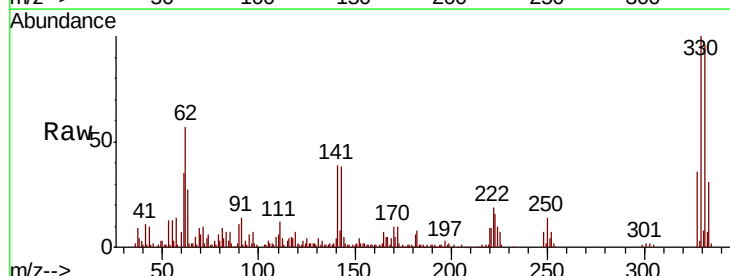
Instrument :  
 BNA\_F  
 ClientSampled :

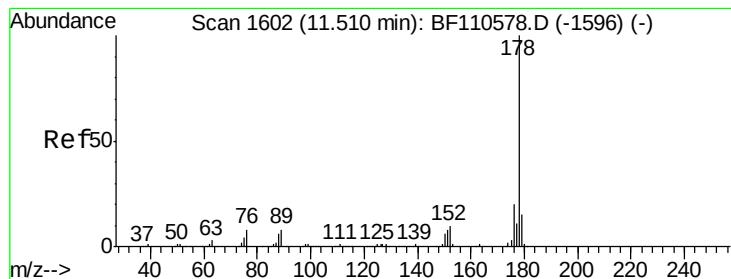
Tot Ion:169 Resp: 17022  
 Ion Ratio Lower Upper  
 169 100  
 168 15.8 51.2 76.8#  
 167 14.6 27.8 41.6#



#67  
 4-Bromophenyl-phenylether  
 Concen: 3.607 ng  
 RT: 10.78 min Scan# 1478  
 Delta R.T. -0.24 min  
 Lab File: BF110896.D  
 Acq: 20 Nov 2018 16:06

Tgt Ion:248 Resp: 6798  
 Ion Ratio Lower Upper  
 248 100  
 250 203.1 79.4 119.2#  
 141 580.4 55.9 83.9#





#71

Phenanthrene

Concen: 19.094 ng

RT: 11.50 min Scan# 1601

Delta R.T. -0.01 min

Lab File: BF110896.D

Acq: 20 Nov 2018 16:06

Instrument :

BNA\_F

ClientSampleId :

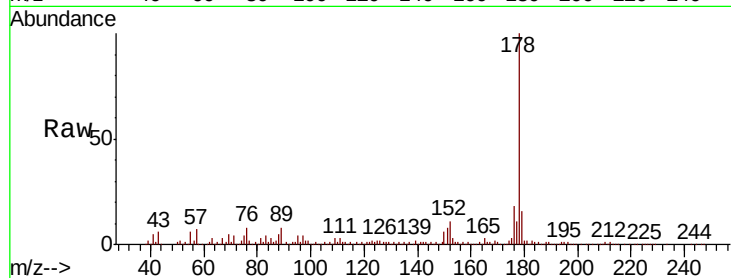
Tot Ion:178 Resp: 174455

Ion Ratio Lower Upper

178 100

176 18.3 15.5 23.3

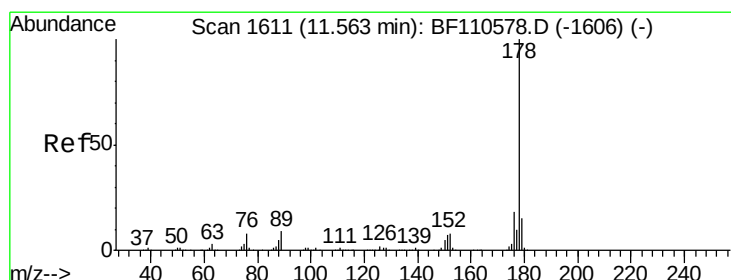
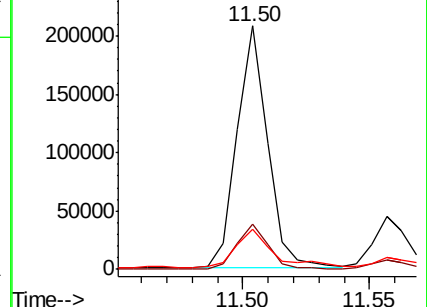
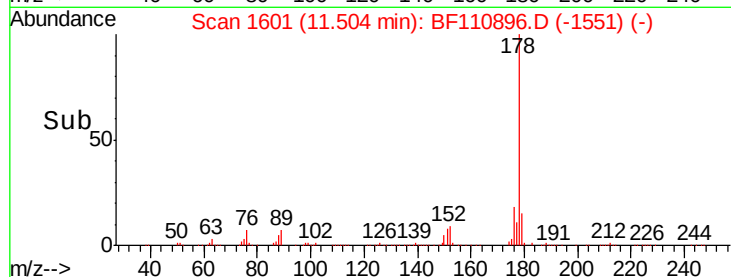
179 16.3 12.5 18.7



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



#72

Anthracene

Concen: 18.928 ng

RT: 11.50 min Scan# 1601

Delta R.T. -0.06 min

Lab File: BF110896.D

Acq: 20 Nov 2018 16:06

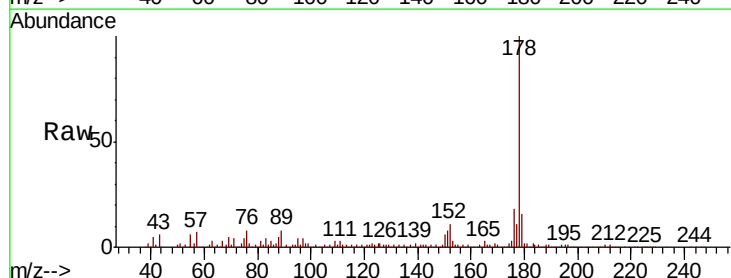
Tgt Ion:178 Resp: 174455

Ion Ratio Lower Upper

178 100

176 18.3 15.4 23.2

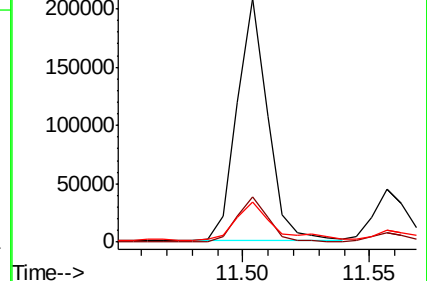
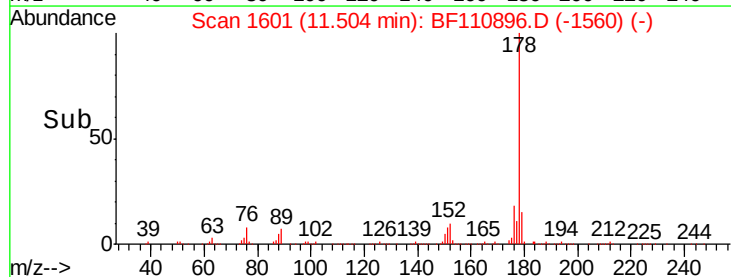
179 16.3 12.6 18.8

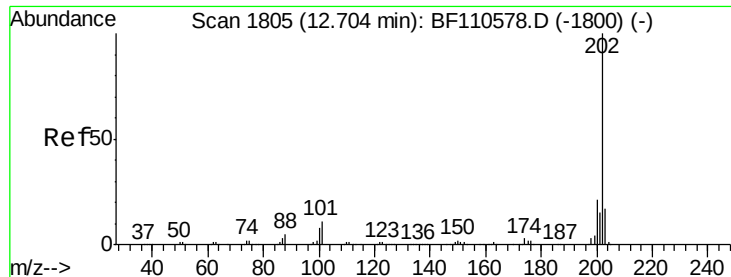


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 14.615 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BF110896.D

Acq: 20 Nov 2018 16:06

Instrument :

BNA\_F

ClientSampleId :

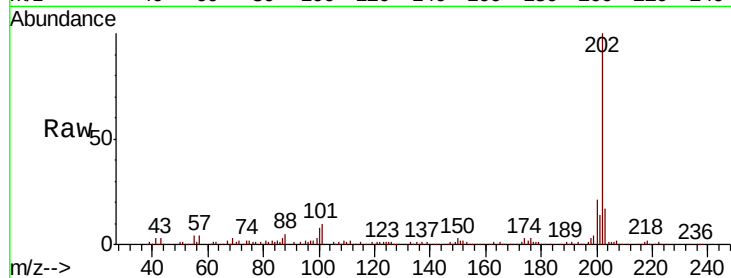
Tot Ion:202 Resp: 133878

Ion Ratio Lower Upper

202 100

101 10.3 0.0 31.4

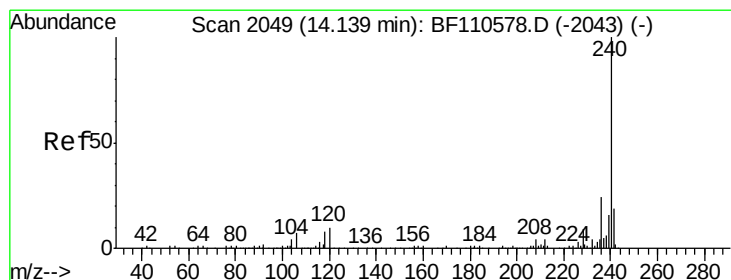
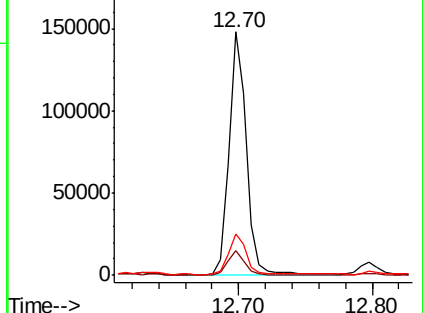
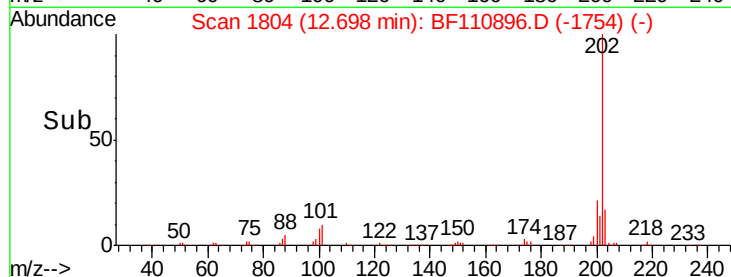
203 17.2 0.0 37.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.13 min Scan# 2048

Delta R.T. -0.01 min

Lab File: BF110896.D

Acq: 20 Nov 2018 16:06

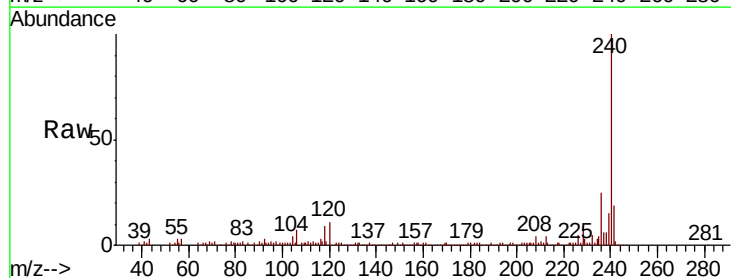
Tgt Ion:240 Resp: 125564

Ion Ratio Lower Upper

240 100

120 10.8 8.3 12.5

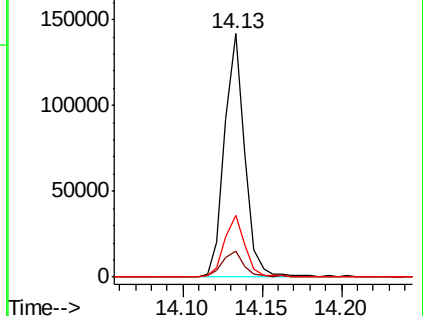
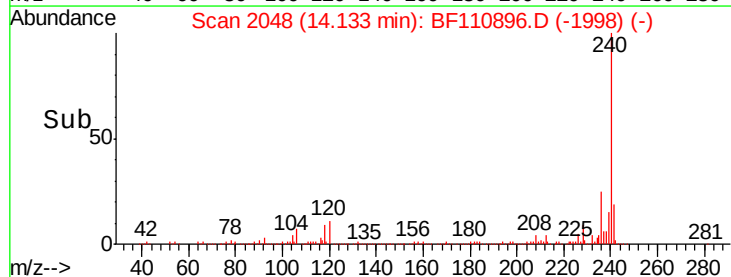
236 25.4 21.2 31.8

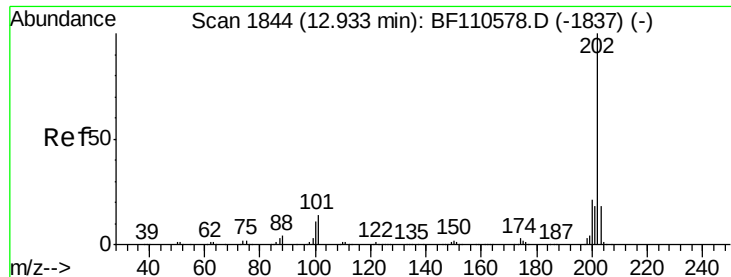


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

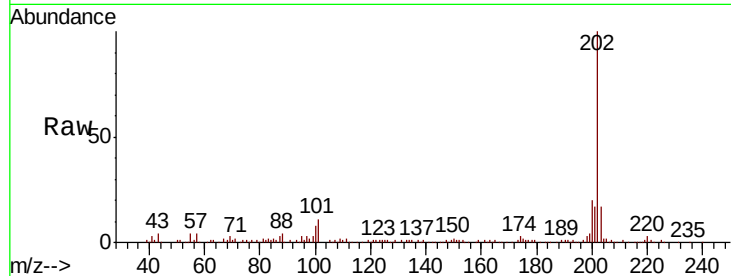




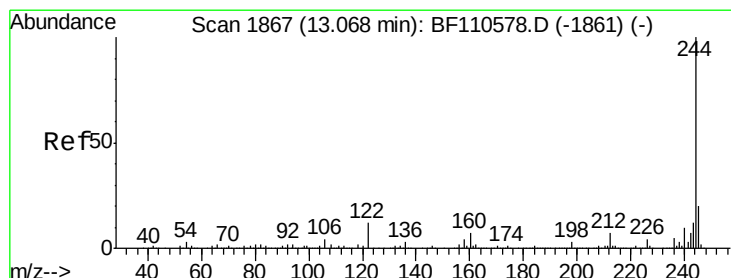
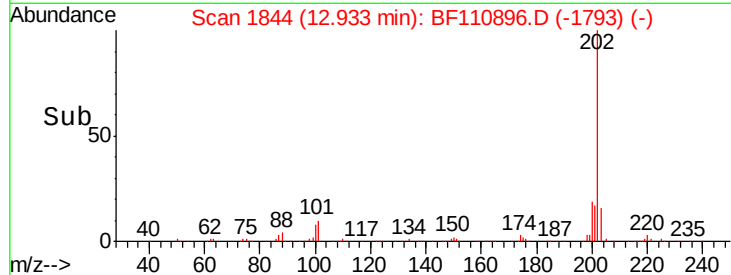
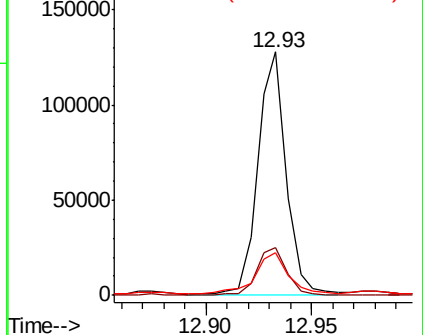
#78  
Pvrene  
Concen: 12.291 ng  
RT: 12.93 min Scan# 1844  
Delta R.T. 0.00 min  
Lab File: BF110896.D  
Acq: 20 Nov 2018 16:06

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:202 Resp: 118827  
Ion Ratio Lower Upper  
202 100  
200 19.7 17.8 26.6  
203 17.4 14.2 21.4

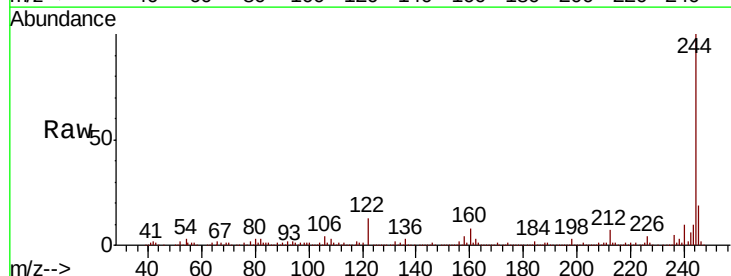


Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 200.00 (199.70 to 200.70): E  
Ion 203.00 (202.70 to 203.70): E

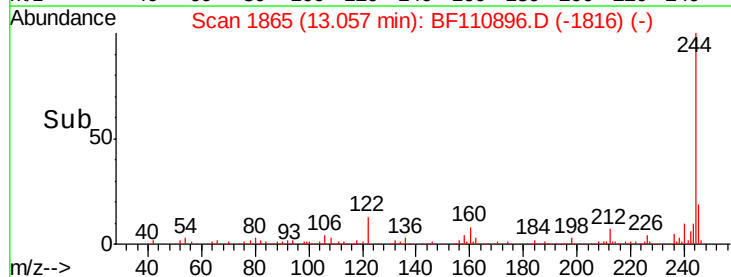
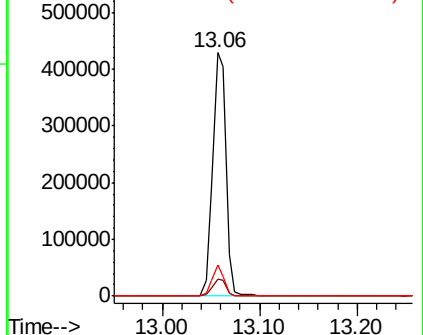


#79  
Terphenyl-d14  
Concen: 60.664 ng  
RT: 13.06 min Scan# 1865  
Delta R.T. -0.01 min  
Lab File: BF110896.D  
Acq: 20 Nov 2018 16:06

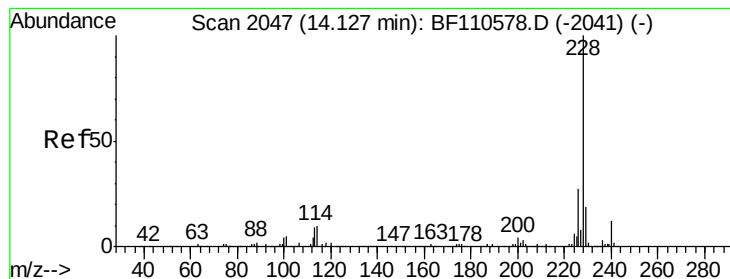
Tgt Ion:244 Resp: 406734  
Ion Ratio Lower Upper  
244 100  
212 7.1 5.8 8.8  
122 12.6 8.7 13.1



Abundance Ion 244.00 (243.70 to 244.70): E  
Ion 212.00 (211.70 to 212.70): E  
Ion 122.00 (121.70 to 122.70): E







#81

Benzo(a)anthracene

Concen: 6.768 ng

RT: 14.12 min Scan# 2046

Delta R.T. -0.01 min

Lab File: BF110896.D

Acq: 20 Nov 2018 16:06

Instrument :

BNA\_F

ClientSampleId :

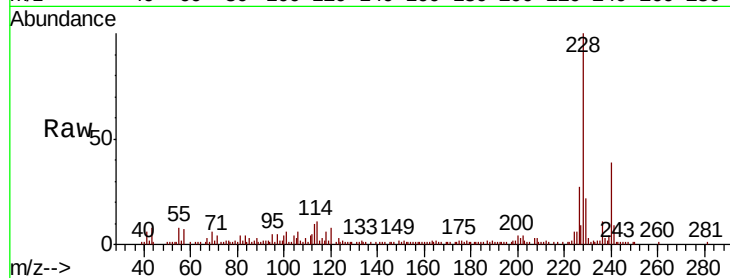
Tot Ion:228 Resp: 50798

Ion Ratio Lower Upper

228 100

226 27.5 22.1 33.1

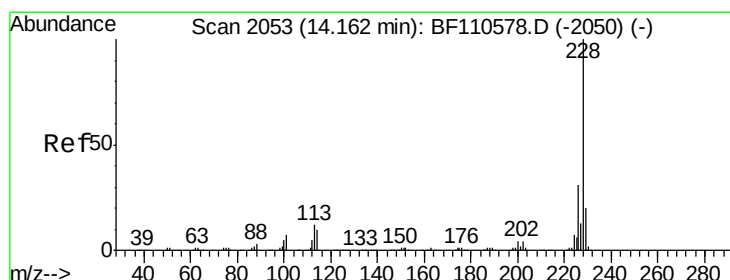
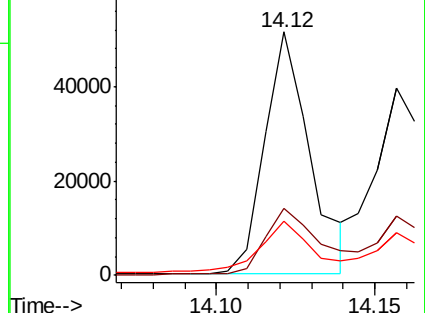
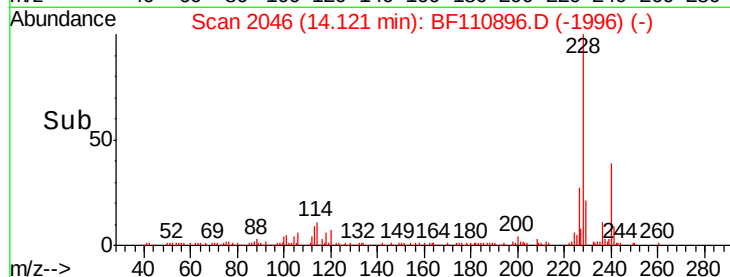
229 22.0 15.6 23.4



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

Chrysene

Concen: 6.166 ng

RT: 14.16 min Scan# 2052

Delta R.T. -0.01 min

Lab File: BF110896.D

Acq: 20 Nov 2018 16:06

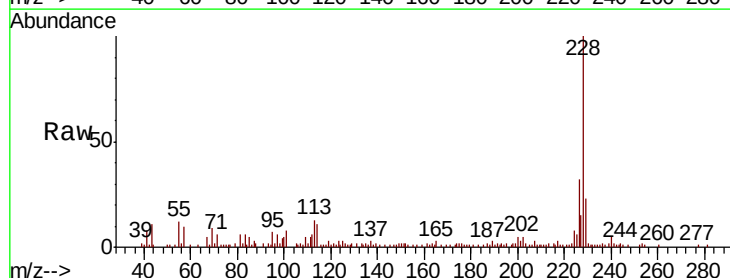
Tgt Ion:228 Resp: 44089

Ion Ratio Lower Upper

228 100

226 31.9 24.7 37.1

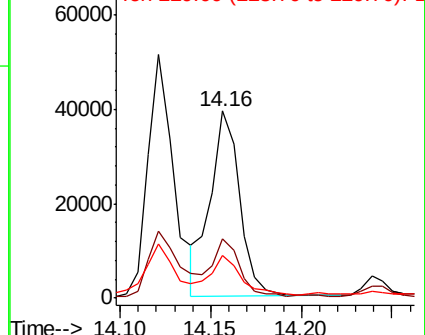
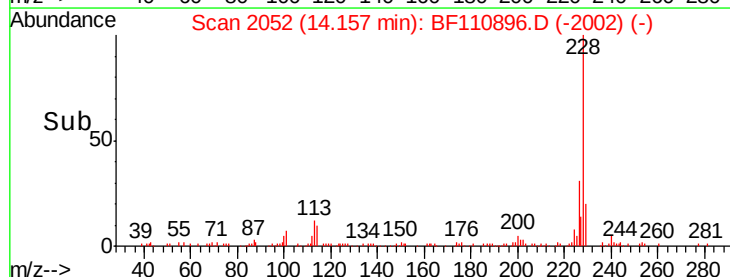
229 22.6 15.9 23.9

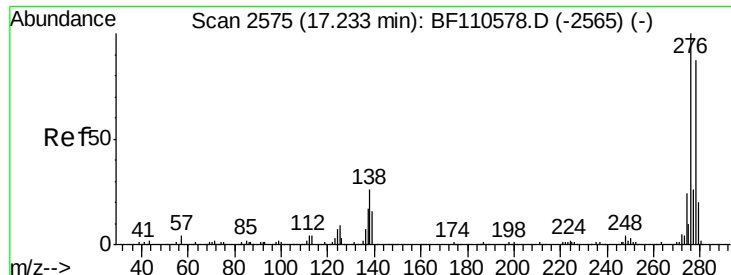


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#86

Indeno(1,2,3-cd)pyrene

Concen: 3.393 ng

RT: 17.26 min Scan# 2579

Delta R.T. 0.02 min

Lab File: BF110896.D

Acq: 20 Nov 2018 16:06

Instrument :

BNA\_F

ClientSampled :

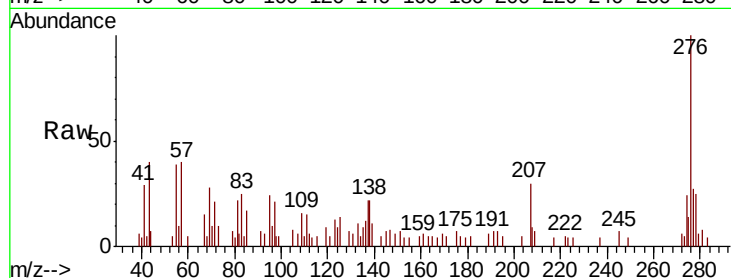
Tot Ion:276 Resp: 17408

Ion Ratio Lower Upper

276 100

138 23.2 18.5 27.7

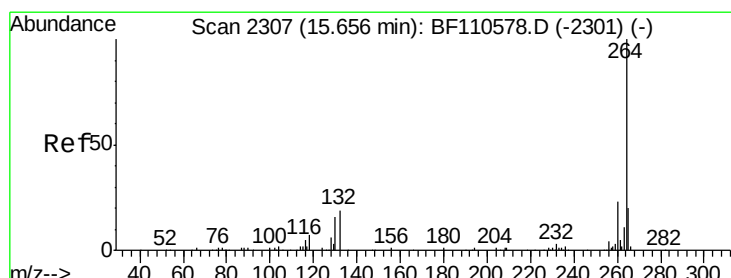
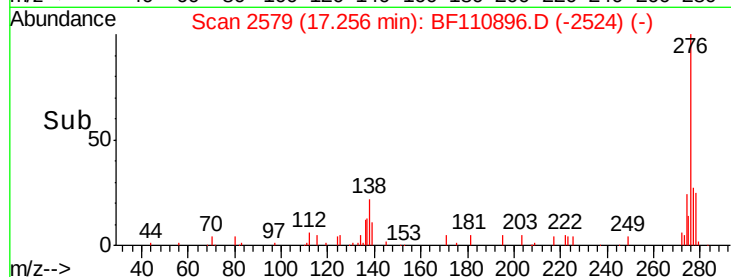
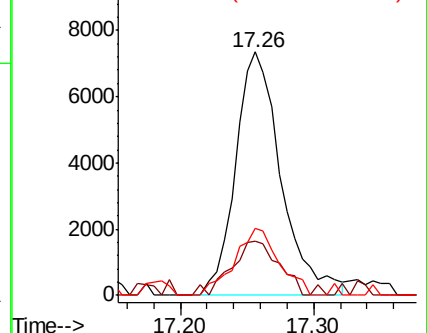
277 26.8 20.0 30.0



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.67 min Scan# 2309

Delta R.T. 0.01 min

Lab File: BF110896.D

Acq: 20 Nov 2018 16:06

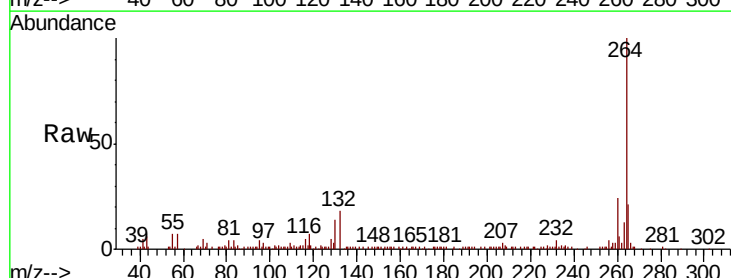
Tgt Ion:264 Resp: 104696

Ion Ratio Lower Upper

264 100

260 24.0 18.7 28.1

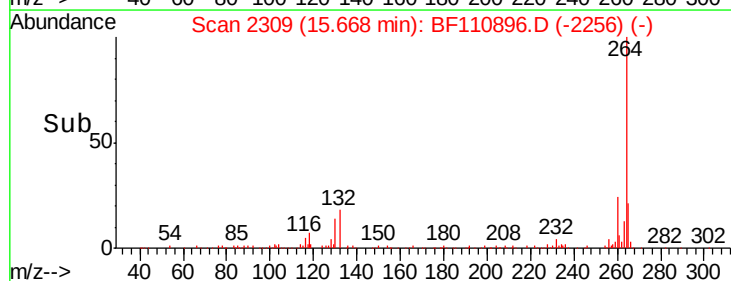
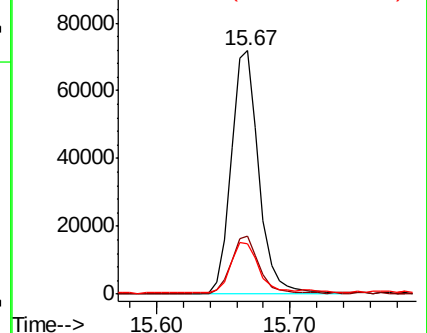
265 20.5 16.7 25.1

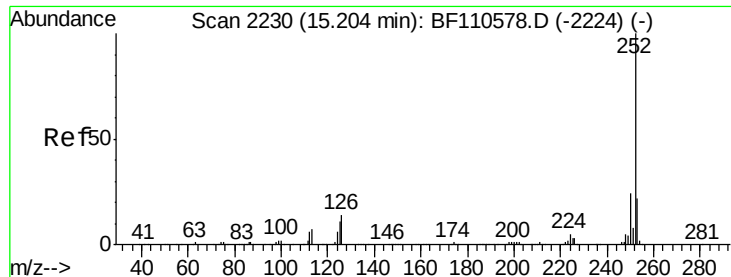


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

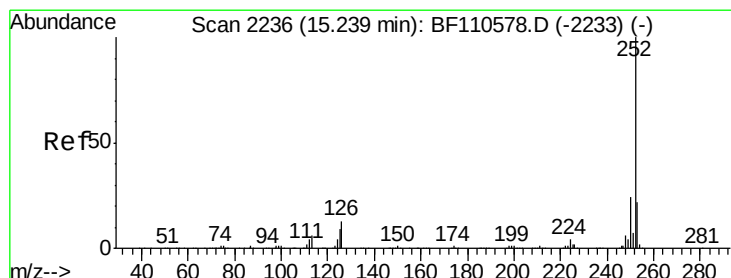
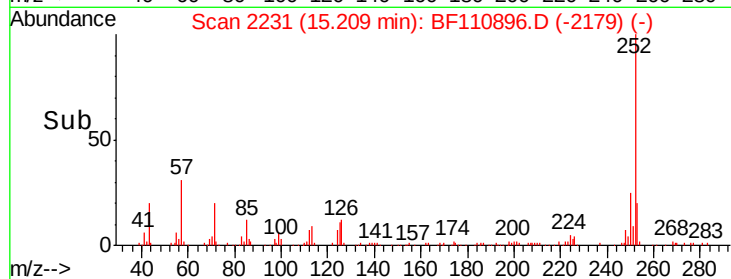
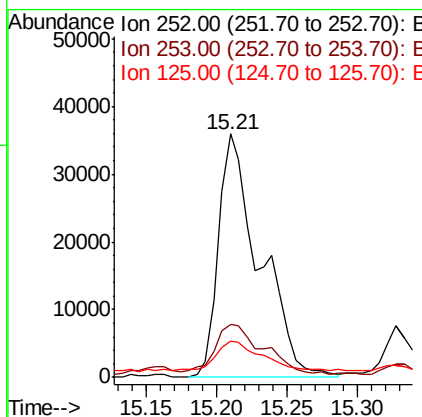
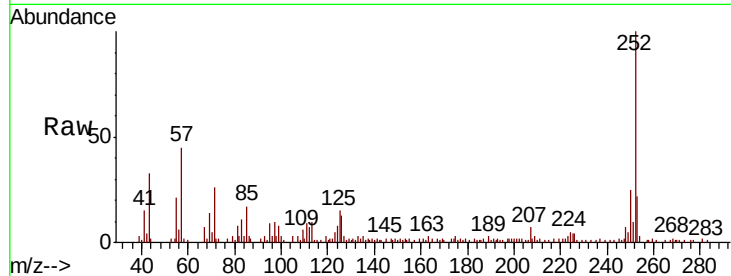




#88  
Benzo(b)fluoranthene  
Concen: 11.729 ng  
RT: 15.21 min Scan# 2231  
Delta R.T. 0.01 min  
Lab File: BF110896.D  
Acq: 20 Nov 2018 16:06

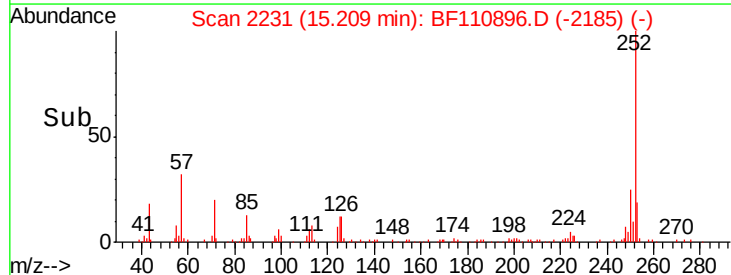
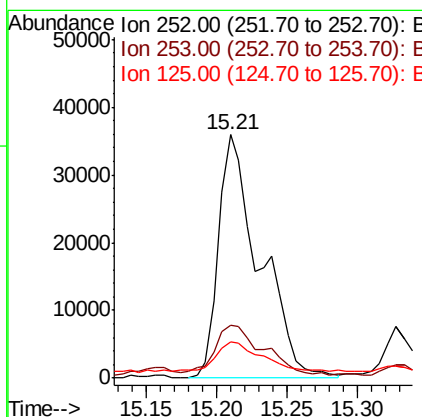
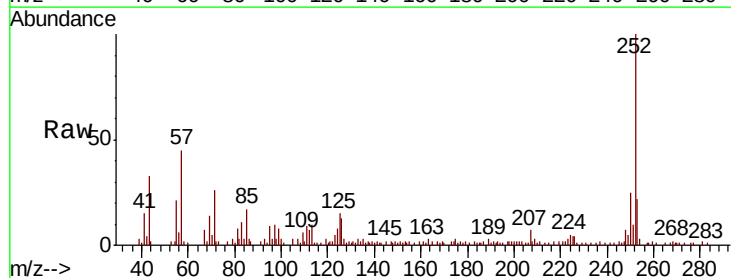
Instrument :  
BNA\_F  
ClientSampled :

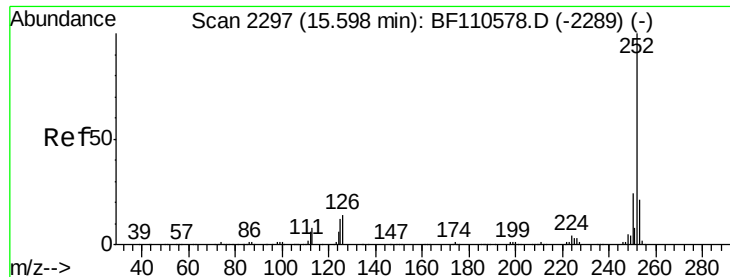
Tot Ion:252 Resp: 73463  
Ion Ratio Lower Upper  
252 100  
253 21.6 17.2 25.8  
125 14.9 8.2 12.4#



#89  
Benzo(k)fluoranthene  
Concen: 11.870 ng  
RT: 15.21 min Scan# 2231  
Delta R.T. -0.03 min  
Lab File: BF110896.D  
Acq: 20 Nov 2018 16:06

Tgt Ion:252 Resp: 73463  
Ion Ratio Lower Upper  
252 100  
253 21.6 17.2 25.8  
125 14.9 7.4 11.0#





#90

Benzo(a)pyrene

Concen: 6.401 ng

RT: 15.60 min Scan# 2298

Delta R.T. 0.01 min

Lab File: BF110896.D

Acq: 20 Nov 2018 16:06

Instrument :

BNA\_F

ClientSampleId :

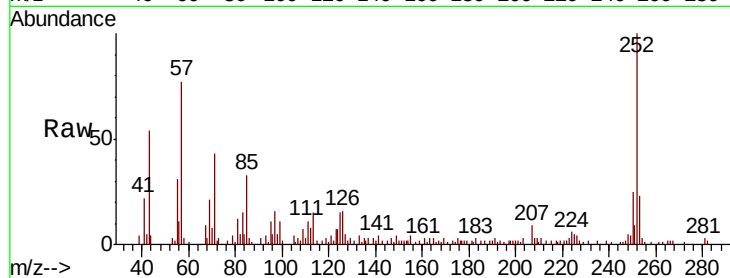
Tot Ion:252 Resp: 36428

Ion Ratio Lower Upper

252 100

253 22.7 18.2 27.4

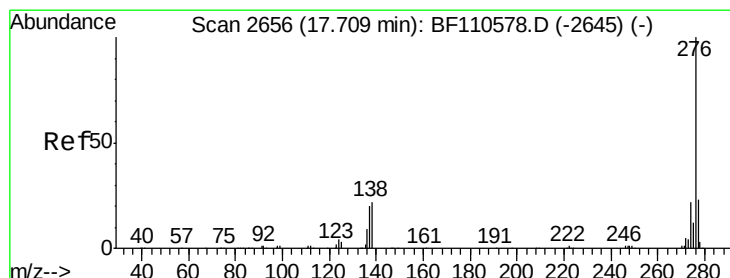
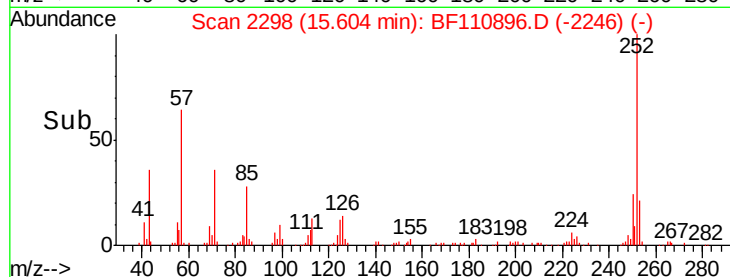
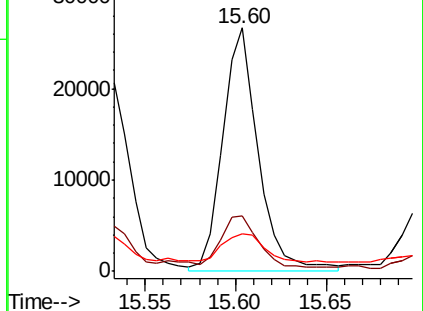
125 15.3 9.0 13.6#



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



#92

Benzo(g,h,i)perylene

Concen: 3.053 ng

RT: 17.74 min Scan# 2662

Delta R.T. 0.04 min

Lab File: BF110896.D

Acq: 20 Nov 2018 16:06

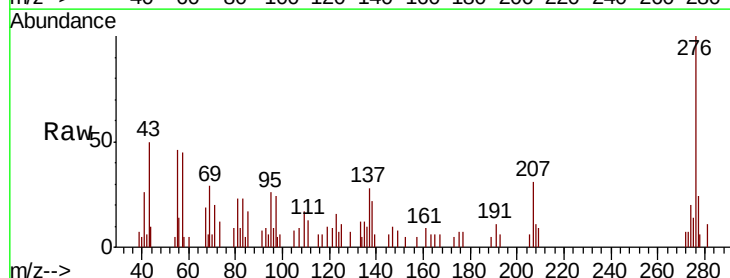
Tgt Ion:276 Resp: 14589

Ion Ratio Lower Upper

276 100

277 23.9 18.8 28.2

138 21.6 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

