

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042120\  
 Data File : BF120110.D  
 Acq On : 21 Apr 2020 18:52  
 Operator : MA/SJ  
 Sample : L2342-19 5X  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Apr 22 01:48:51 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Apr 21 13:48:22 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.69  | 152  | 123628   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 7.97  | 136  | 480119   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.73  | 164  | 238295   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.22 | 188  | 413373   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 13.86 | 240  | 236897   | 20.00 | ng    | -0.01    |
| 87) Perylene-d12          | 15.27 | 264  | 251210   | 20.00 | ng    | 0.00     |

|                             |       |     |        |       |    |       |
|-----------------------------|-------|-----|--------|-------|----|-------|
| System Monitoring Compounds |       |     |        |       |    |       |
| 5) 2-Fluorophenol           | 5.29  | 112 | 105168 | 14.70 | ng | 0.00  |
| 7) Phenol-d6                | 6.33  | 99  | 142775 | 15.49 | ng | 0.00  |
| 23) Nitrobenzene-d5         | 7.25  | 82  | 95357  | 10.27 | ng | -0.01 |
| 42) 2,4,6-Tribromophenol    | 10.52 | 330 | 29929  | 10.26 | ng | 0.00  |
| 45) 2-Fluorobiphenyl        | 9.06  | 172 | 195496 | 11.65 | ng | 0.00  |
| 79) Terphenyl-d14           | 12.80 | 244 | 154873 | 11.00 | ng | -0.01 |

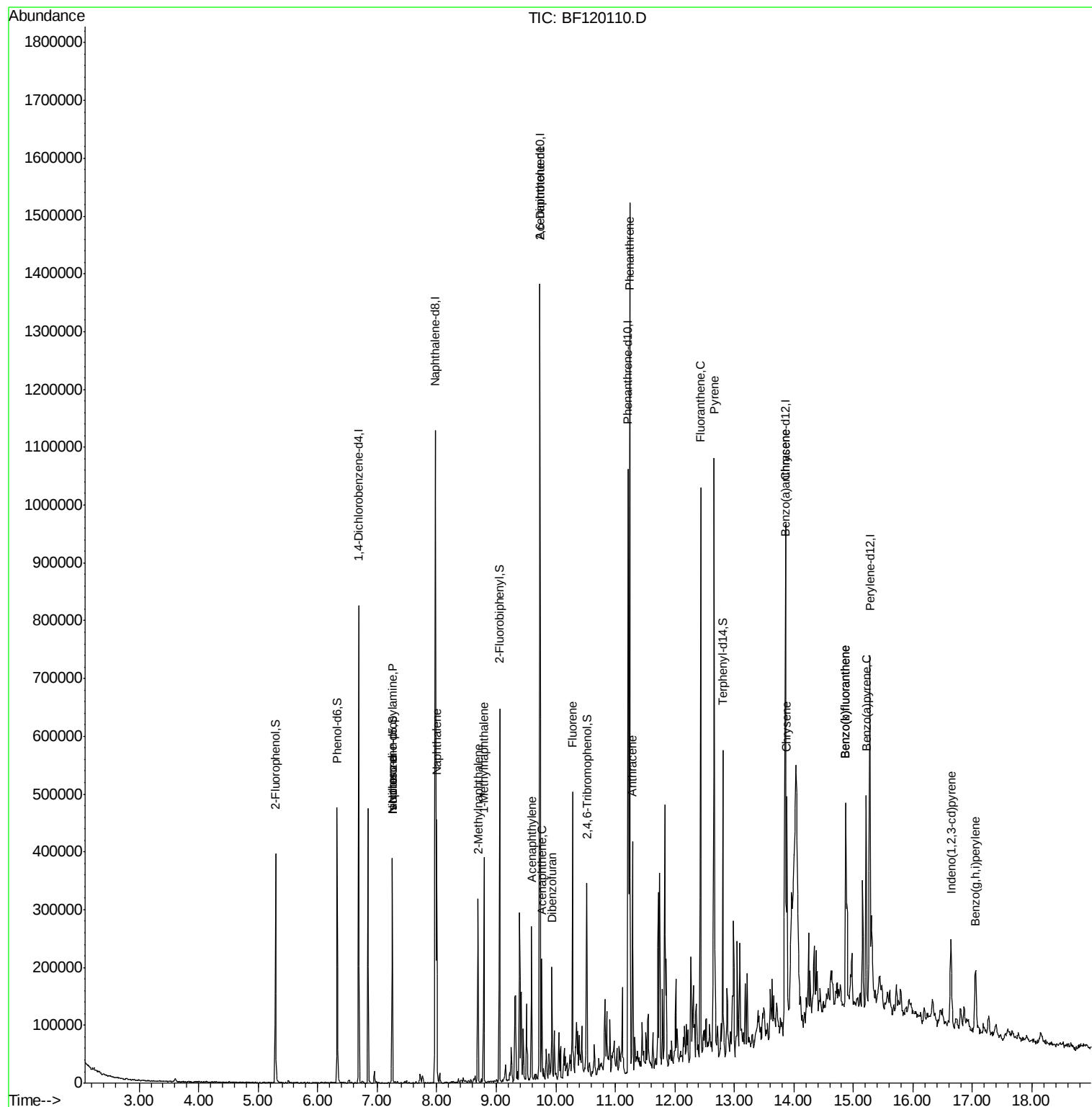
|                                |       |     |        |        |    |      |
|--------------------------------|-------|-----|--------|--------|----|------|
| Target Compounds               |       |     |        | Qvalue |    |      |
| 19) n-Nitroso-di-n-propylamine | 7.25  | 70  | 12074  | 2.037  | ng | # 82 |
| 25) Isophorone                 | 7.25  | 82  | 95355  | 5.330  | ng | # 65 |
| 31) Naphthalene                | 8.00  | 128 | 164740 | 6.522  | ng | 98   |
| 37) 2-Methylnaphthalene        | 8.69  | 142 | 75327  | 4.398  | ng | 97   |
| 38) 1-Methylnaphthalene        | 8.79  | 142 | 98861  | 6.125  | ng | 98   |
| 49) Acenaphthylene             | 9.59  | 152 | 68939  | 2.926  | ng | 98   |
| 51) 2,6-Dinitrotoluene         | 9.73  | 165 | 32816  | 8.130  | ng | # 20 |
| 52) Acenaphthene               | 9.76  | 154 | 37931  | 2.413  | ng | 99   |
| 55) Dibenzofuran               | 9.94  | 168 | 50810  | 2.356  | ng | # 92 |
| 58) Fluorene                   | 10.28 | 166 | 112236 | 6.506  | ng | 100  |
| 71) Phenanthrene               | 11.25 | 178 | 531833 | 24.174 | ng | 100  |
| 72) Anthracene                 | 11.29 | 178 | 138440 | 6.160  | ng | 99   |
| 75) Fluoranthene               | 12.43 | 202 | 385386 | 16.235 | ng | 97   |
| 78) Pyrene                     | 12.66 | 202 | 428035 | 21.433 | ng | 98   |
| 81) Benzo(a)anthracene         | 13.84 | 228 | 167695 | 10.760 | ng | 95   |
| 83) Chrysene                   | 13.88 | 228 | 158273 | 9.995  | ng | 99   |
| 86) Indeno(1,2,3-cd)pyrene     | 16.64 | 276 | 94183  | 6.747  | ng | 97   |
| 88) Benzo(b)fluoranthene       | 14.87 | 252 | 247695 | 13.706 | ng | # 96 |
| 89) Benzo(k)fluoranthene       | 14.87 | 252 | 247695 | 15.886 | ng | 97   |
| 90) Benzo(a)pyrene             | 15.22 | 252 | 164982 | 10.858 | ng | 98   |
| 92) Benzo(g,h,i)perylene       | 17.06 | 276 | 86237  | 6.491  | ng | 94   |

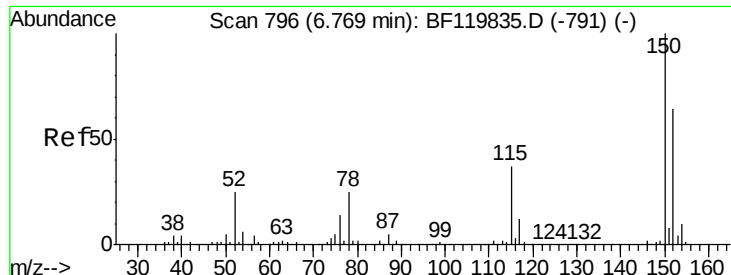
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042120\  
Data File : BF120110.D  
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Sample : L2342-19 5X  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :

Quant Time: Apr 22 01:48:51 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Apr 21 13:48:22 2020  
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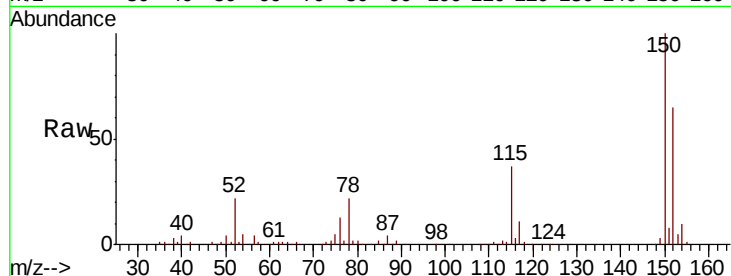


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.69 min Scan# 783  
Delta R.T. 0.00 min  
Lab File: BF120110.D  
Acq: 21 Apr 2020 18:52

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 155.0 | 124.8 | 187.2 |
| 115     | 57.2  | 46.5  | 69.7  |

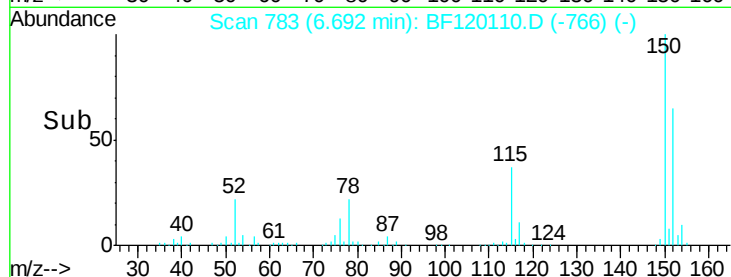
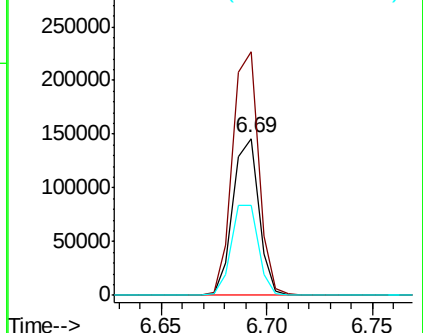


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

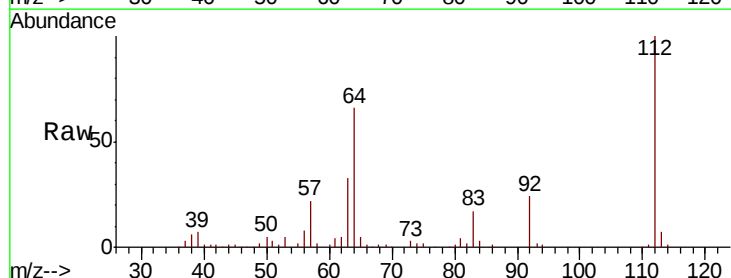
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 14.701 ng  
RT: 5.29 min Scan# 545  
Delta R.T. 0.00 min  
Lab File: BF120110.D  
Acq: 21 Apr 2020 18:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 65.9  | 55.5  | 83.3  |
| 63      | 33.3  | 29.1  | 43.7  |

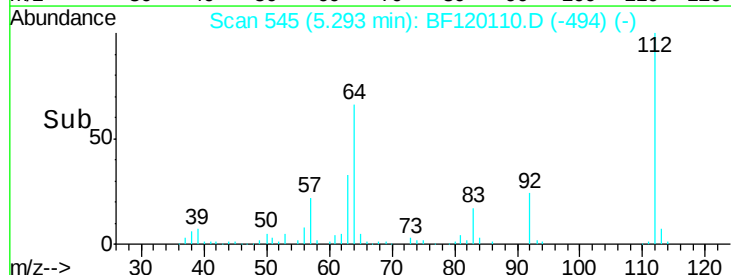
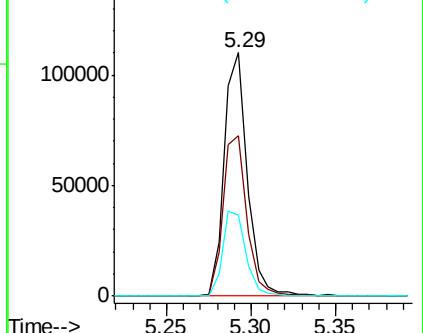


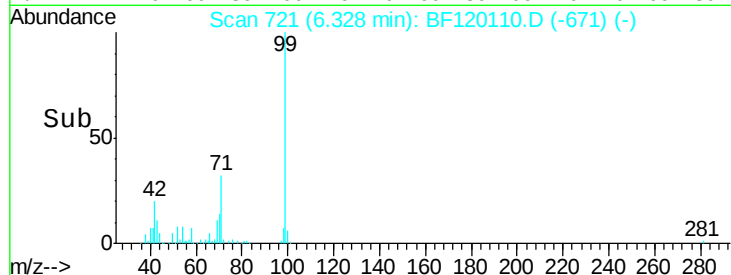
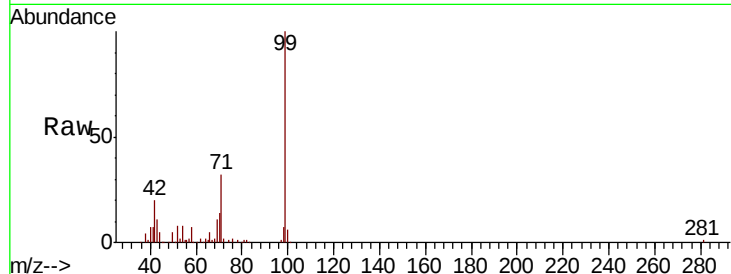
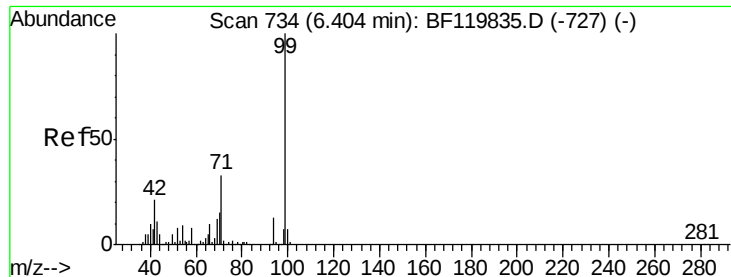
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

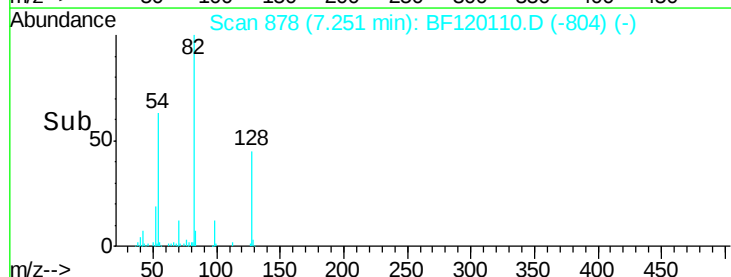
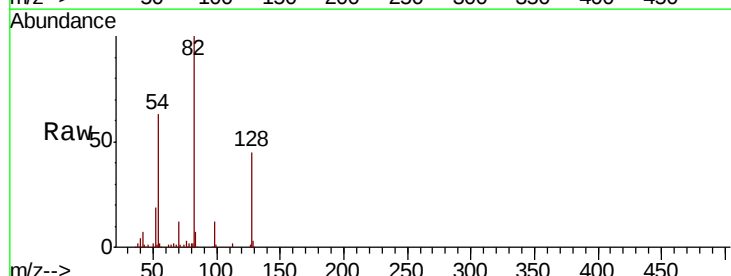
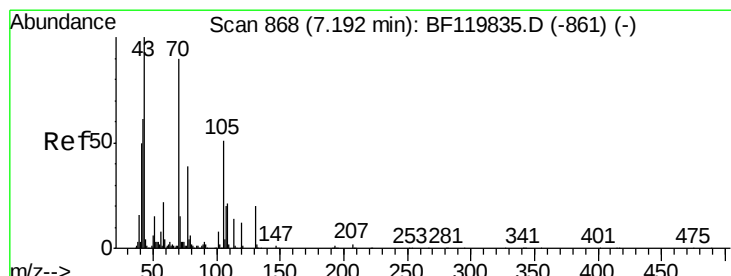
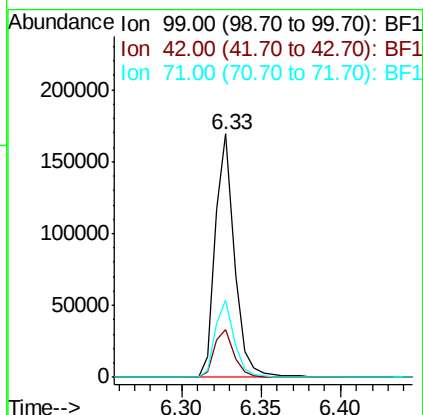




#7  
Phenol-d6  
Concen: 15.489 ng  
RT: 6.33 min Scan# 721  
Delta R.T. -0.01 min  
Lab File: BF120110.D  
Acq: 21 Apr 2020 18:52

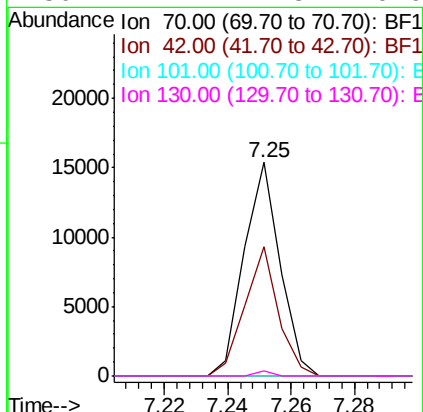
Instrument :  
BNA\_F  
ClientSampled :

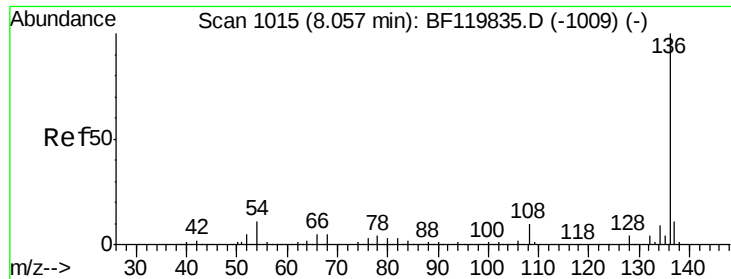
| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 99      | 100  |       |       |       |
| 42      | 19.7 | 16.9  | 25.3  |       |
| 71      | 31.6 | 26.3  | 39.5  |       |



#19  
n-Nitroso-di-n-propylamine  
Concen: 2.037 ng  
RT: 7.25 min Scan# 878  
Delta R.T. 0.14 min  
Lab File: BF120110.D  
Acq: 21 Apr 2020 18:52

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 70      | 100  |       |       |       |
| 42      | 60.3 | 54.2  | 81.4  |       |
| 101     | 0.0  | 7.4   | 11.2# |       |
| 130     | 2.1  | 17.8  | 26.6# |       |

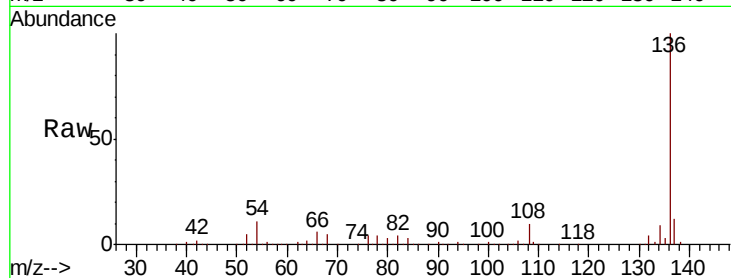




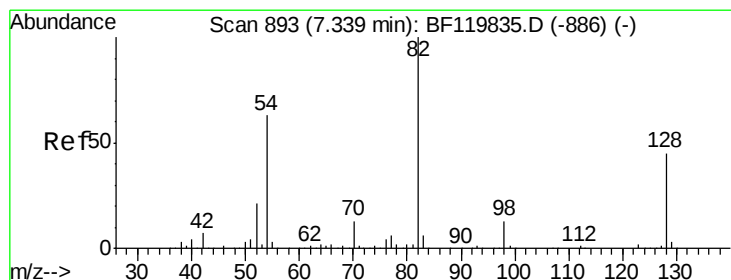
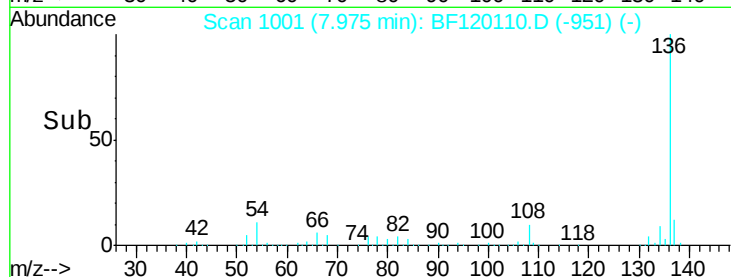
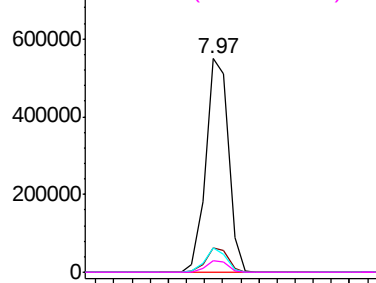
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 7.97 min Scan# 1001  
Delta R.T. -0.01 min  
Lab File: BF120110.D  
Acq: 21 Apr 2020 18:52

Instrument :  
BNA\_F  
ClientSampleId :

|             |       |             |
|-------------|-------|-------------|
| Tot Ion:136 | Resp: | 480119      |
| Ion         | Ratio | Lower Upper |
| 136         | 100   |             |
| 137         | 11.7  | 8.7 13.1    |
| 54          | 11.2  | 8.5 12.7    |
| 68          | 5.4   | 3.9 5.9     |

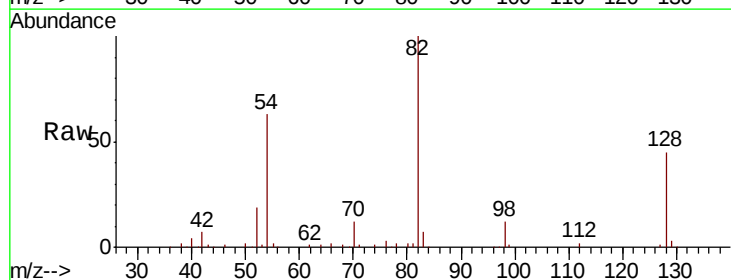


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

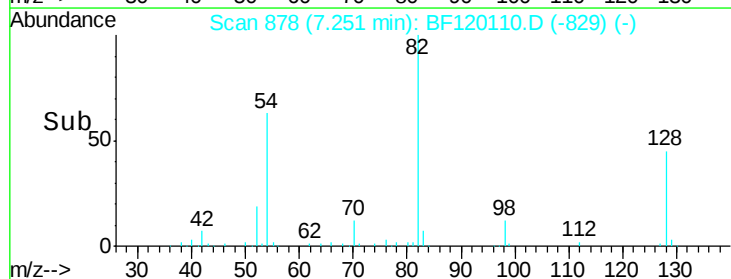
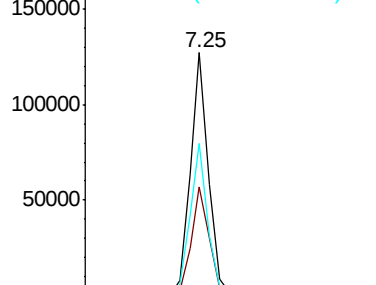


#23  
Nitrobenzene-d5  
Concen: 10.275 ng  
RT: 7.25 min Scan# 878  
Delta R.T. -0.01 min  
Lab File: BF120110.D  
Acq: 21 Apr 2020 18:52

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 82 | Resp: | 95357       |
| Ion         | Ratio | Lower Upper |
| 82          | 100   |             |
| 128         | 44.7  | 36.2 54.4   |
| 54          | 62.7  | 50.4 75.6   |



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





#25

Isophorone

Concen: 5.330 ng

RT: 7.25 min Scan# 878

Delta R.T. -0.27 min

Lab File: BF120110.D

Acq: 21 Apr 2020 18:52

Instrument :

BNA\_F

ClientSampleId :

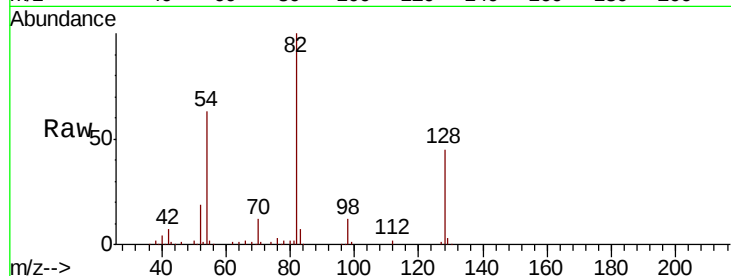
Tot Ion: 82 Resp: 95355

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

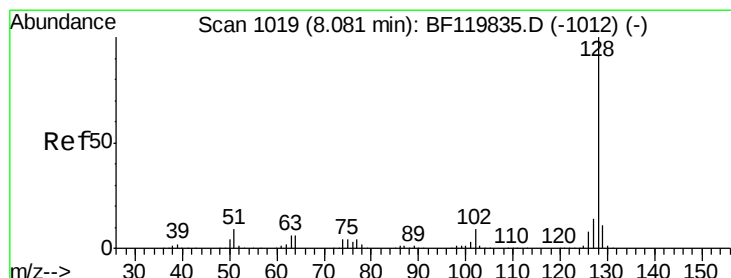
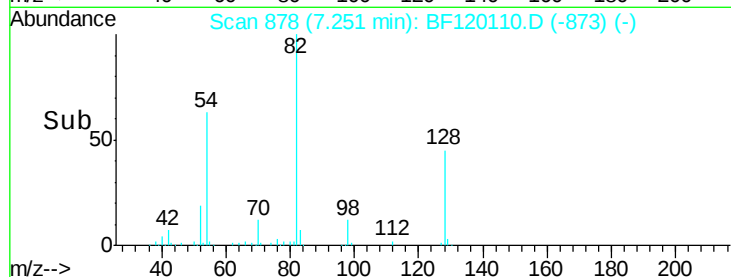
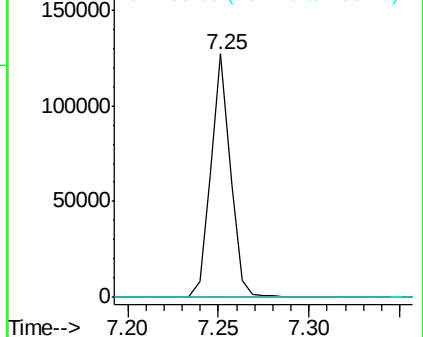
138 0.0 14.5 21.7#



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



#31

Naphthalene

Concen: 6.522 ng

RT: 8.00 min Scan# 1005

Delta R.T. -0.01 min

Lab File: BF120110.D

Acq: 21 Apr 2020 18:52

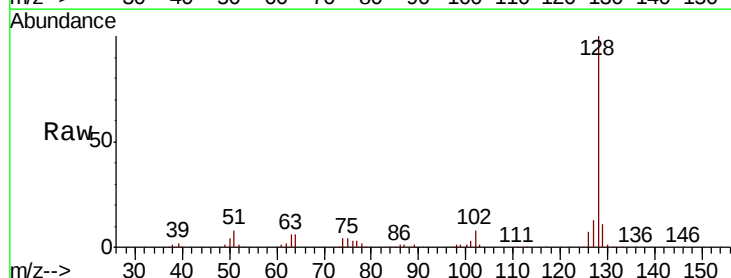
Tgt Ion: 128 Resp: 164740

Ion Ratio Lower Upper

128 100

129 10.8 9.0 13.6

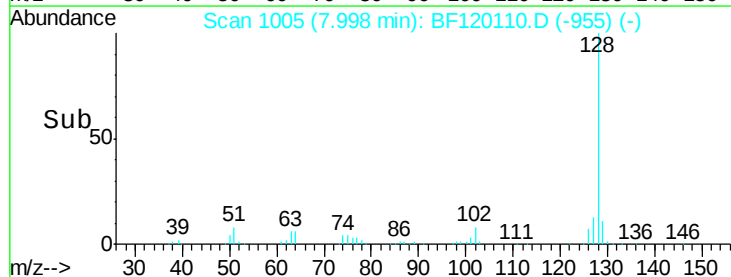
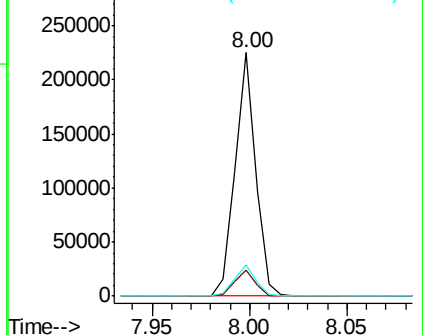
127 12.9 11.0 16.4

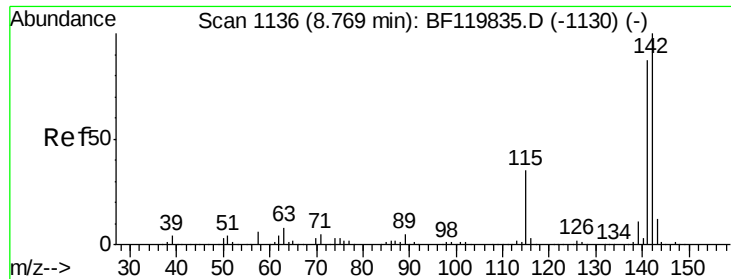


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

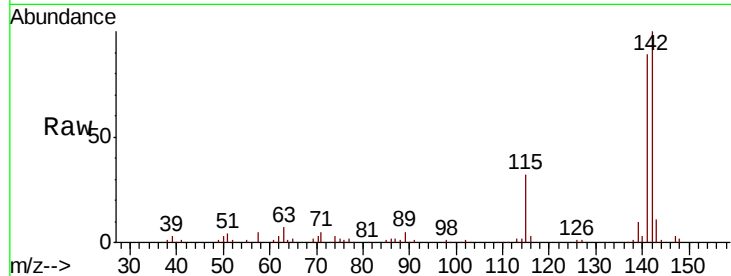




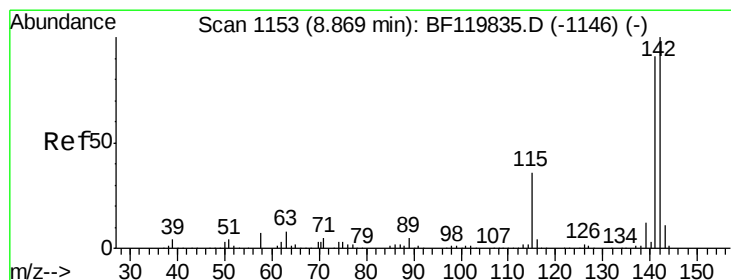
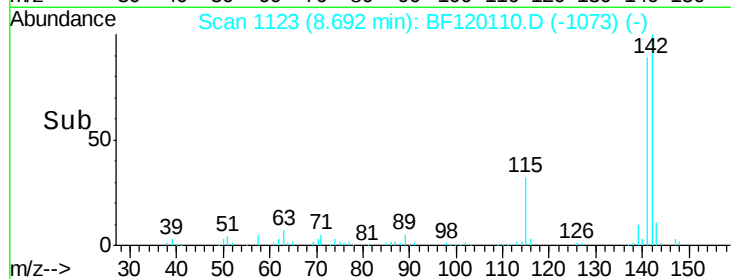
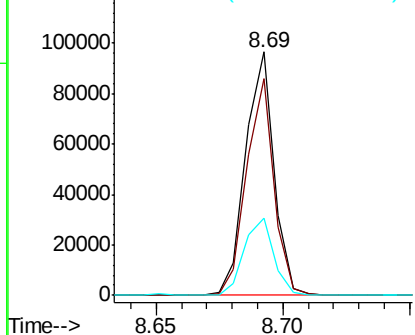
#37  
2-Methylnaphthalene  
Concen: 4.398 ng  
RT: 8.69 min Scan# 1123  
Delta R.T. -0.01 min  
Lab File: BF120110.D  
Acq: 21 Apr 2020 18:52

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:142 Resp: 75327  
Ion Ratio Lower Upper  
142 100  
141 89.1 69.9 104.9  
115 31.9 28.0 42.0

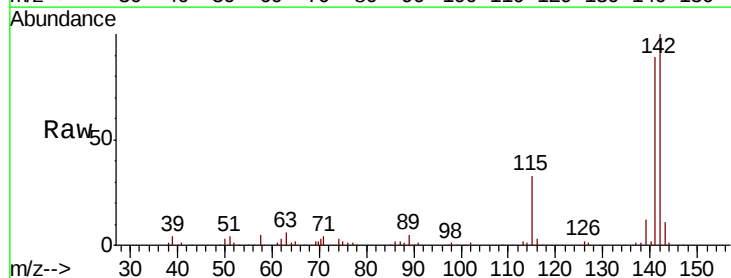


Abundance Ion 142.00 (141.70 to 142.70): E  
Ion 141.00 (140.70 to 141.70): E  
Ion 115.00 (114.70 to 115.70): E

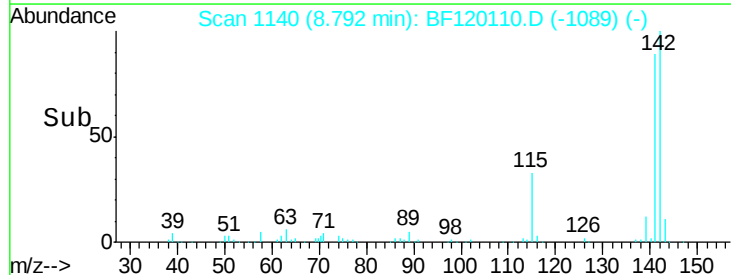
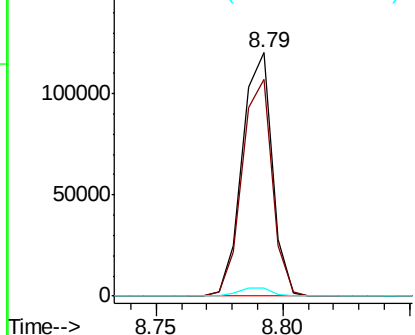


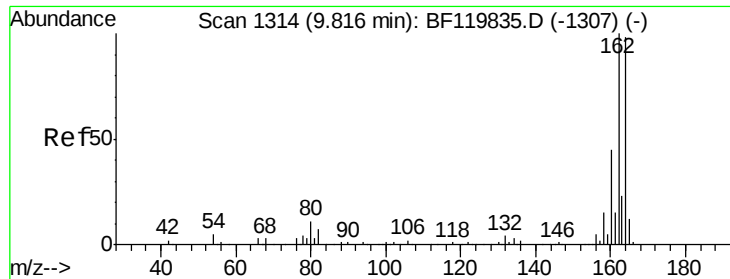
#38  
1-Methylnaphthalene  
Concen: 6.125 ng  
RT: 8.79 min Scan# 1140  
Delta R.T. 0.00 min  
Lab File: BF120110.D  
Acq: 21 Apr 2020 18:52

Tgt Ion:142 Resp: 98861  
Ion Ratio Lower Upper  
142 100  
141 89.1 72.9 109.3  
116 3.2 3.0 4.6



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

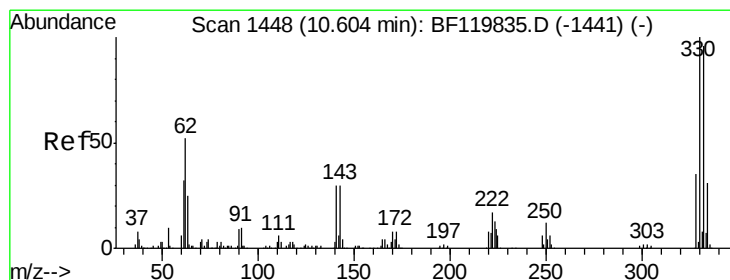
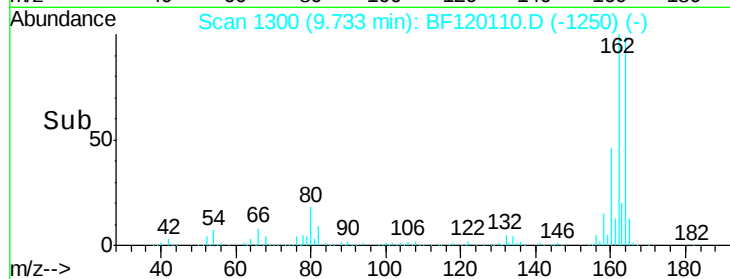
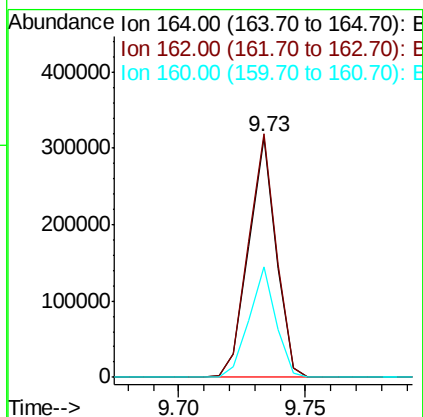
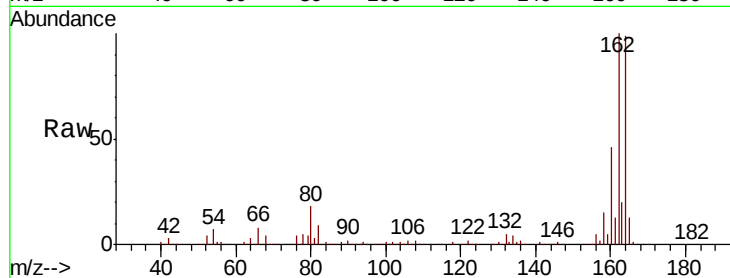




#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.73 min Scan# 1300  
 Delta R.T. -0.01 min  
 Lab File: BF120110.D  
 Acq: 21 Apr 2020 18:52

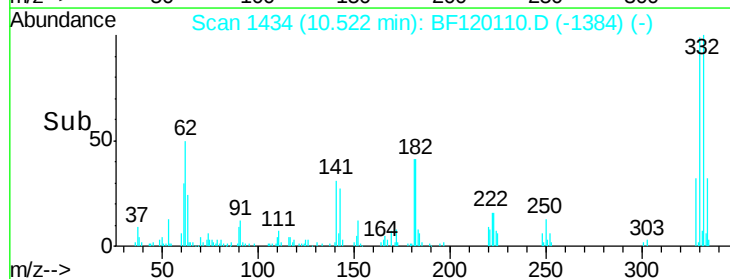
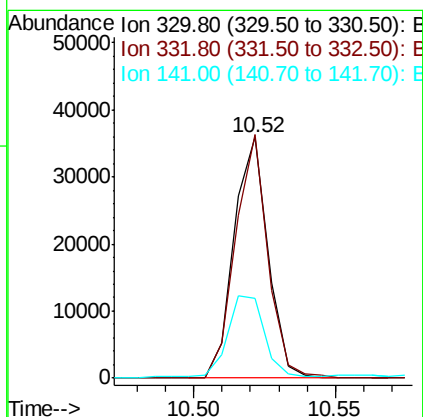
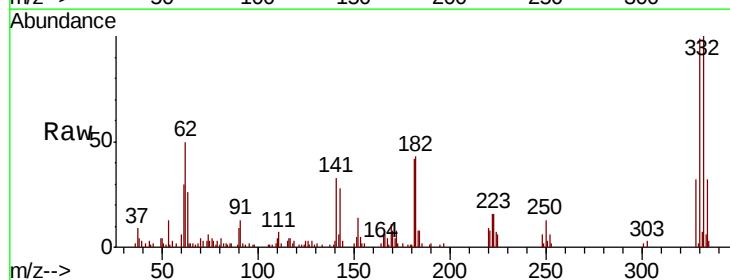
Instrument :  
 BNA\_F  
 ClientSampleId :

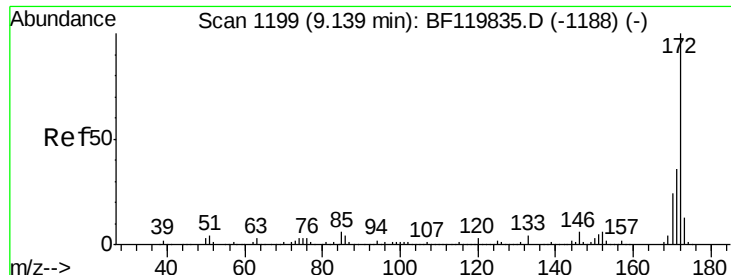
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 101.3 | 81.9  | 122.9 |
| 160     | 46.2  | 36.6  | 54.8  |



#42  
 2,4,6-Tribromophenol  
 Concen: 10.258 ng  
 RT: 10.52 min Scan# 1434  
 Delta R.T. -0.01 min  
 Lab File: BF120110.D  
 Acq: 21 Apr 2020 18:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.5  | 76.8  | 115.2 |
| 141     | 39.4  | 25.1  | 37.7# |

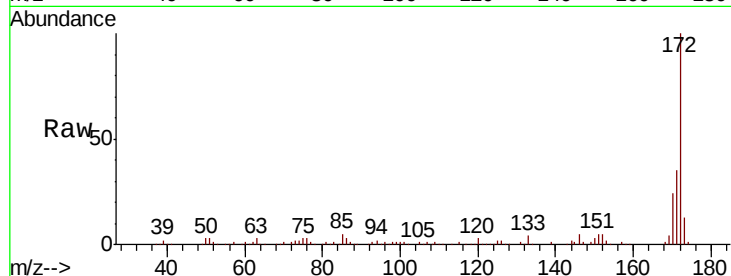




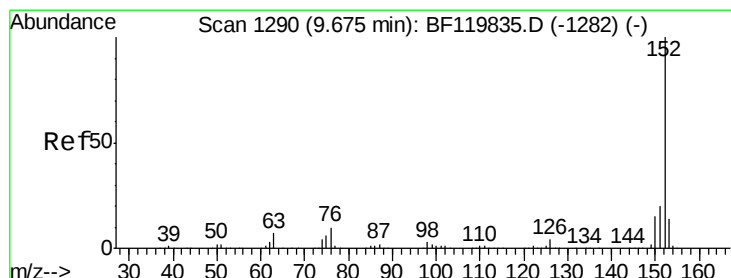
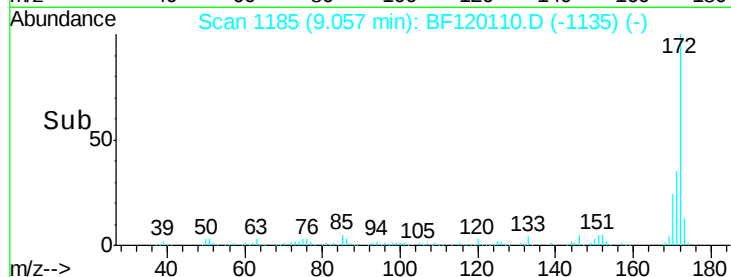
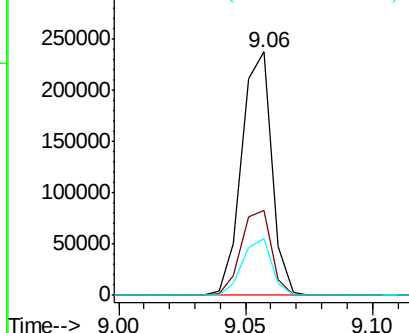
#45  
 2-Fluorobiphenyl  
 Concen: 11.648 ng  
 RT: 9.06 min Scan# 1185  
 Delta R.T. -0.01 min  
 Lab File: BF120110.D  
 Acq: 21 Apr 2020 18:52

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:172 Resp: 195496  
 Ion Ratio Lower Upper  
 172 100  
 171 34.7 28.9 43.3  
 170 23.5 19.4 29.2

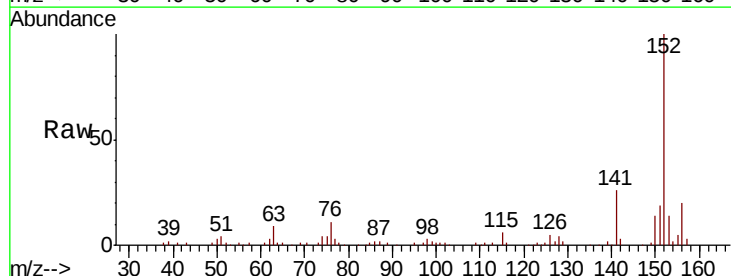


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

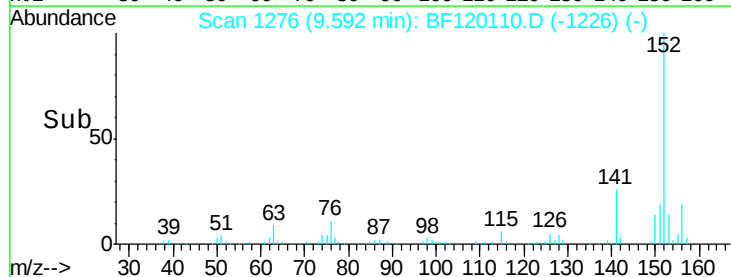
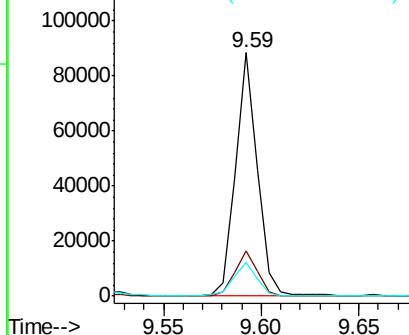


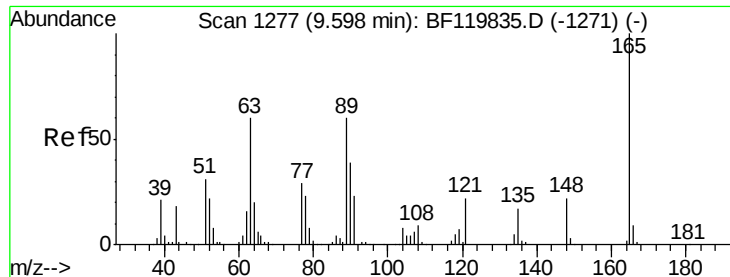
#49  
 Acenaphthylene  
 Concen: 2.926 ng  
 RT: 9.59 min Scan# 1276  
 Delta R.T. -0.01 min  
 Lab File: BF120110.D  
 Acq: 21 Apr 2020 18:52

Tgt Ion:152 Resp: 68939  
 Ion Ratio Lower Upper  
 152 100  
 151 18.8 16.2 24.4  
 153 14.0 10.9 16.3



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

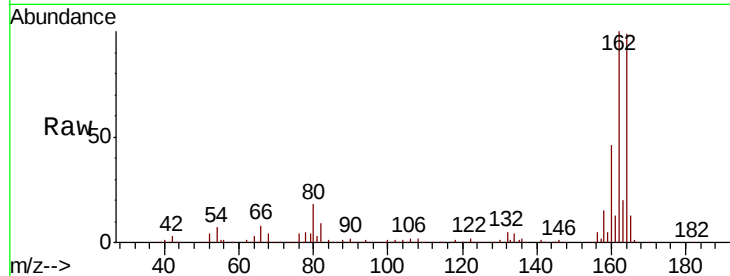




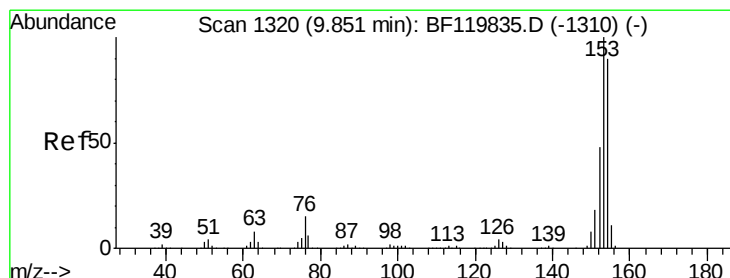
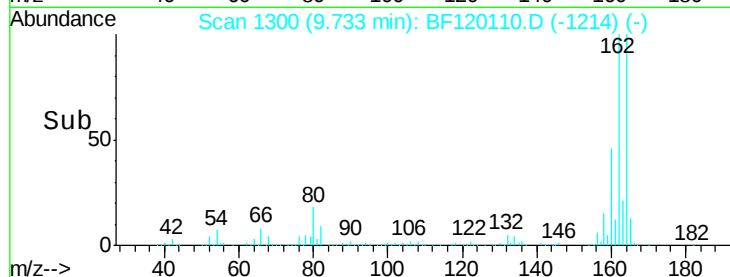
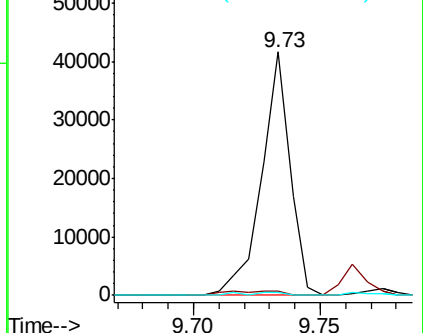
#51  
2,6-Dinitrotoluene  
Concen: 8.130 ng  
RT: 9.73 min Scan# 1300  
Delta R.T. 0.21 min  
Lab File: BF120110.D  
Acq: 21 Apr 2020 18:52

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:165 Resp: 32816  
Ion Ratio Lower Upper  
165 100  
63 1.9 55.6 83.4#  
89 1.3 47.9 71.9#

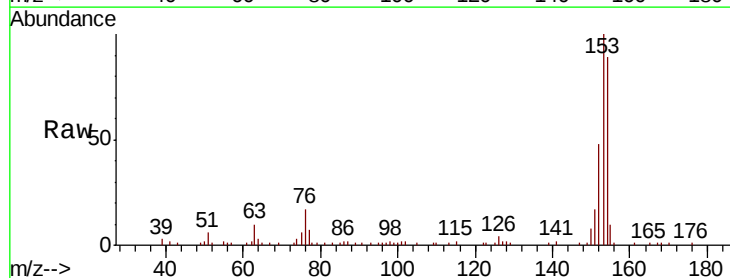


Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 89.00 (88.70 to 89.70): BF1

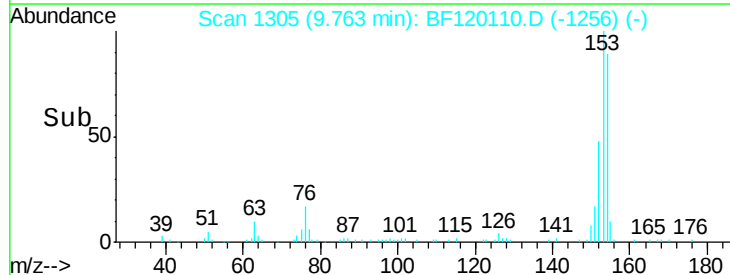
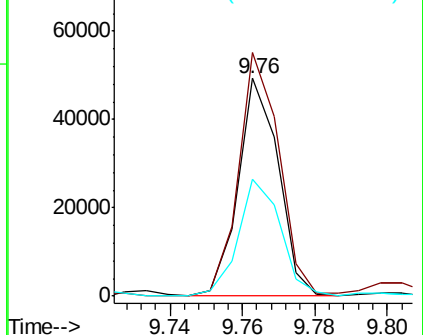


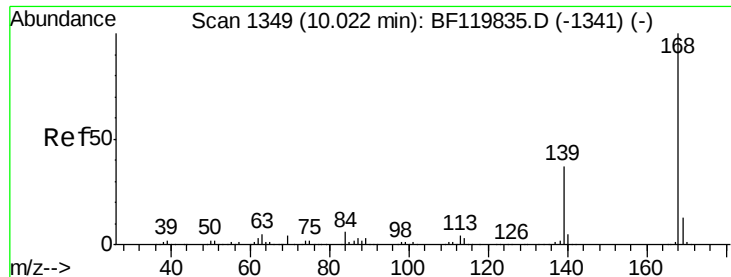
#52  
Acenaphthene  
Concen: 2.413 ng  
RT: 9.76 min Scan# 1305  
Delta R.T. -0.01 min  
Lab File: BF120110.D  
Acq: 21 Apr 2020 18:52

Tgt Ion:154 Resp: 37931  
Ion Ratio Lower Upper  
154 100  
153 111.8 88.8 133.2  
152 53.8 42.4 63.6



Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E

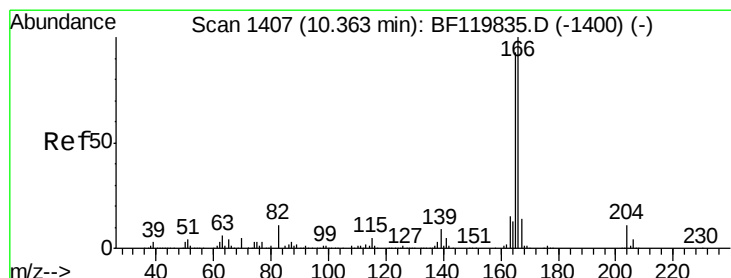
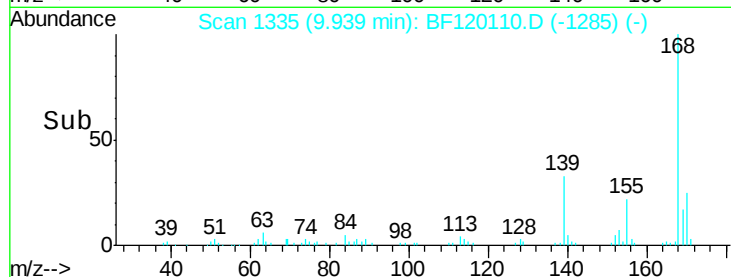
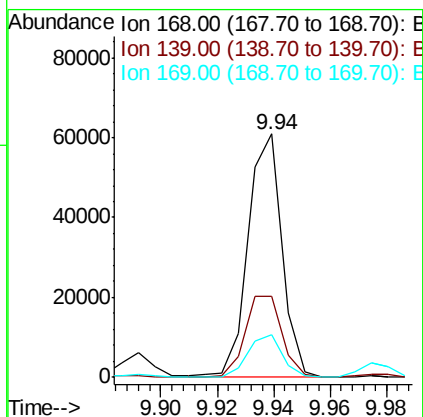
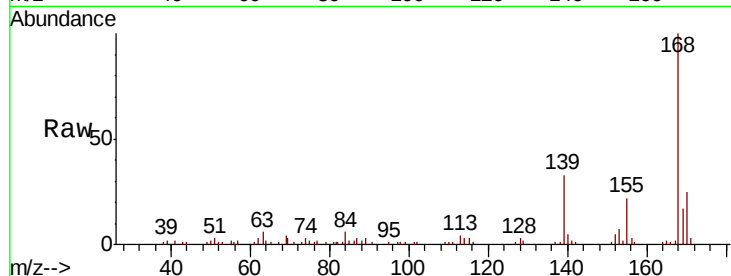




#55  
Dibenzofuran  
Concen: 2.356 ng  
RT: 9.94 min Scan# 1335  
Delta R.T. -0.01 min  
Lab File: BF120110.D  
Acq: 21 Apr 2020 18:52

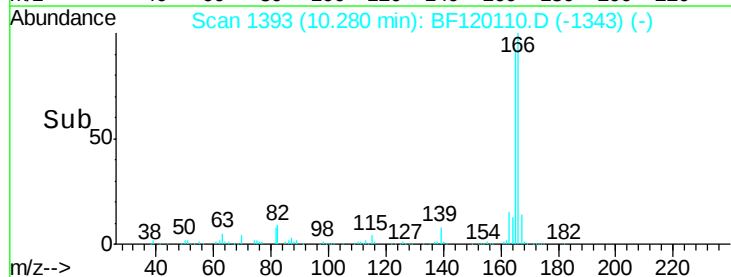
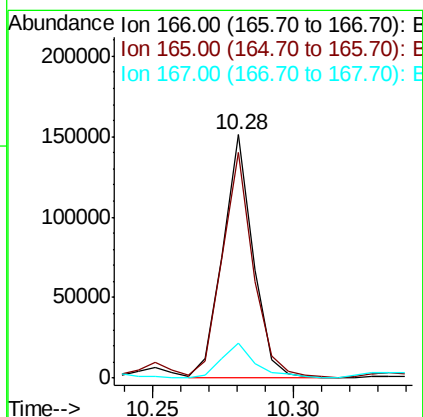
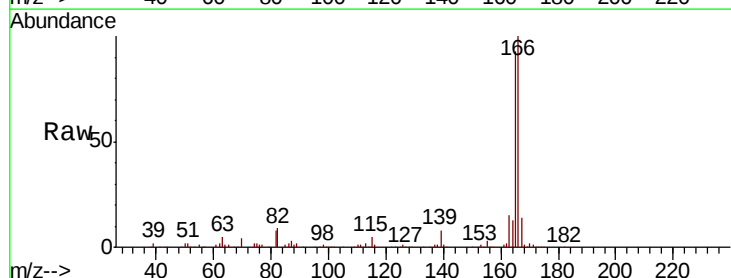
Instrument :  
BNA\_F  
ClientSampleId :

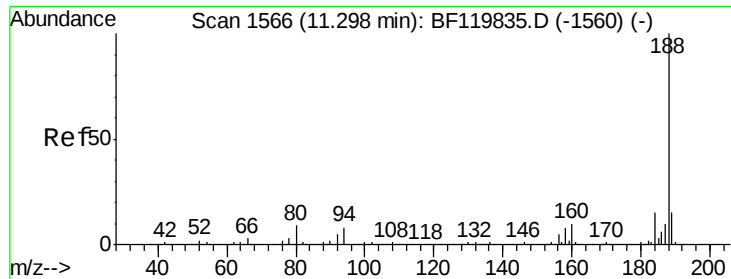
Tot Ion:168 Resp: 50810  
Ion Ratio Lower Upper  
168 100  
139 33.3 29.8 44.6  
169 17.4 10.6 15.8#



#58  
Fluorene  
Concen: 6.506 ng  
RT: 10.28 min Scan# 1393  
Delta R.T. -0.01 min  
Lab File: BF120110.D  
Acq: 21 Apr 2020 18:52

Tgt Ion:166 Resp: 112236  
Ion Ratio Lower Upper  
166 100  
165 92.5 74.2 111.2  
167 14.1 10.8 16.2

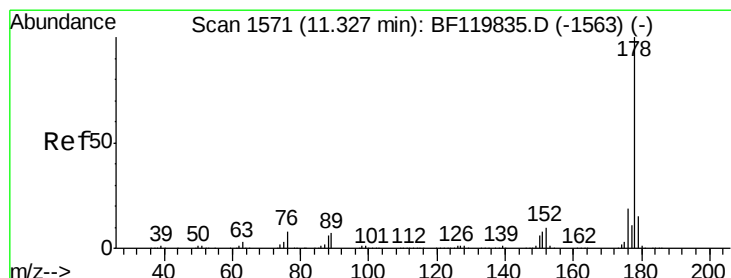
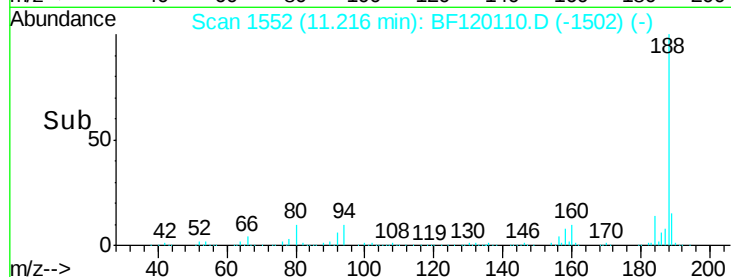
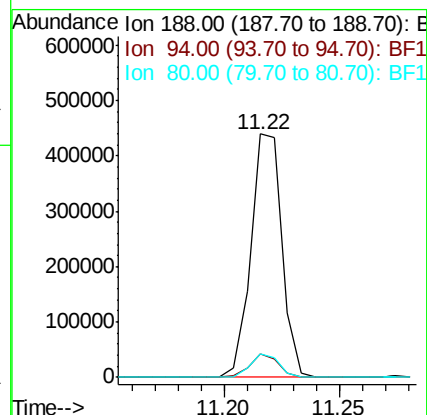
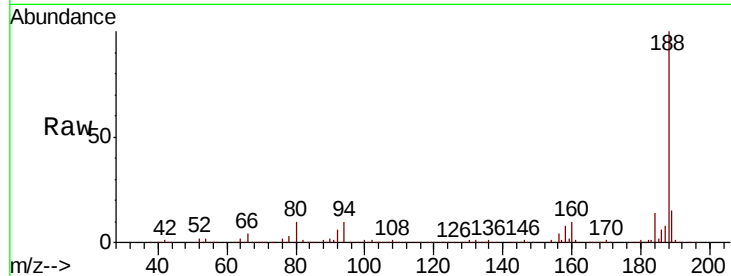




#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.22 min Scan# 1552  
 Delta R.T. -0.01 min  
 Lab File: BF120110.D  
 Acq: 21 Apr 2020 18:52

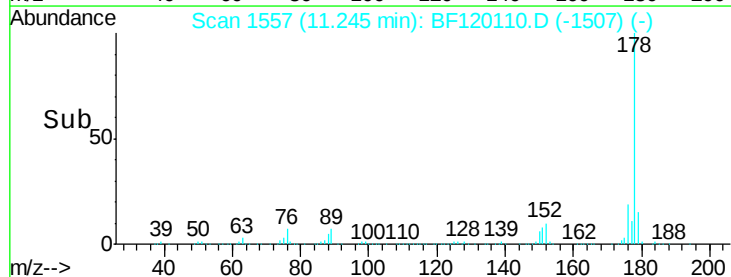
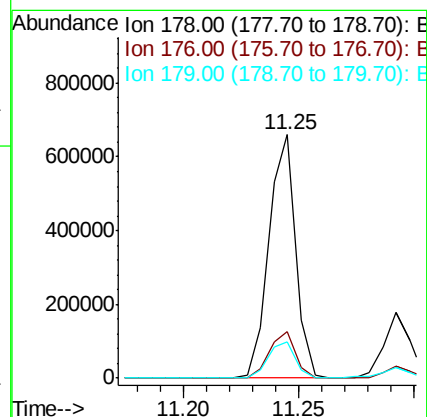
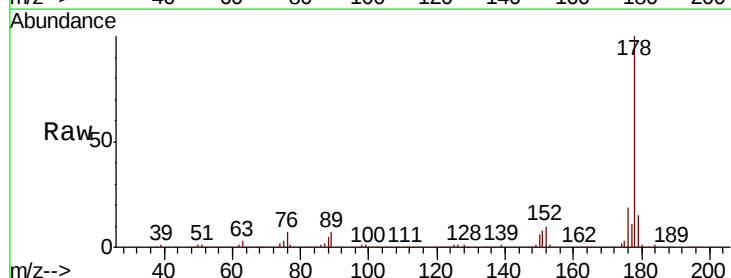
Instrument :  
 BNA\_F  
 ClientSampled :

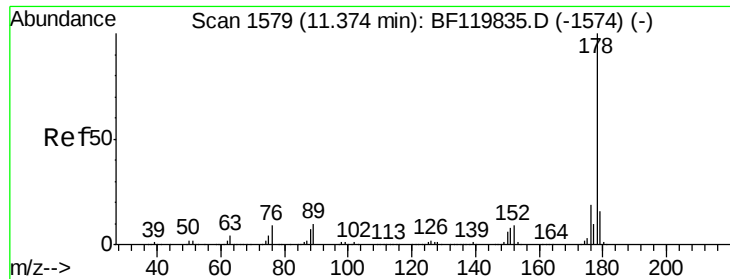
Tot Ion:188 Resp: 413373  
 Ion Ratio Lower Upper  
 188 100  
 94 9.8 6.7 10.1  
 80 9.8 7.4 11.2



#71  
 Phenanthrene  
 Concen: 24.174 ng  
 RT: 11.25 min Scan# 1557  
 Delta R.T. -0.01 min  
 Lab File: BF120110.D  
 Acq: 21 Apr 2020 18:52

Tgt Ion:178 Resp: 531833  
 Ion Ratio Lower Upper  
 178 100  
 176 19.0 15.1 22.7  
 179 15.0 12.2 18.4

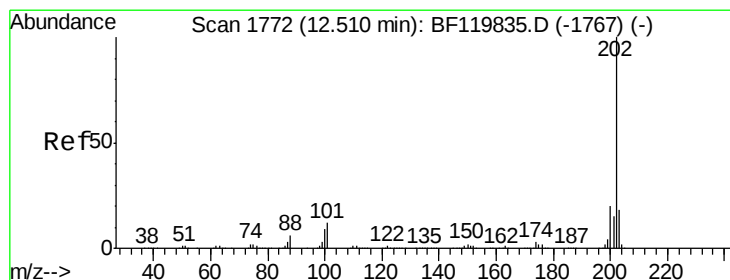
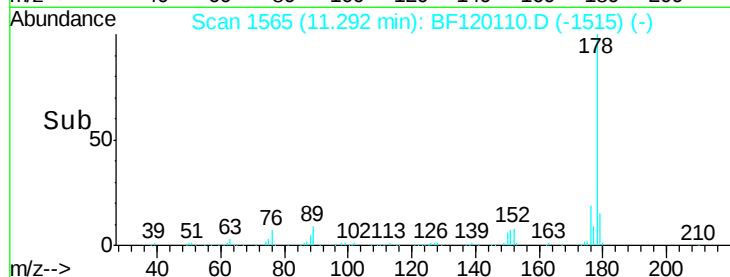
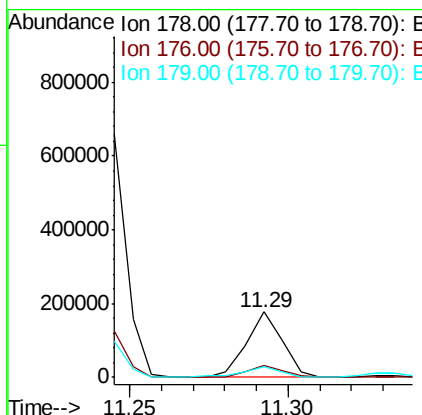
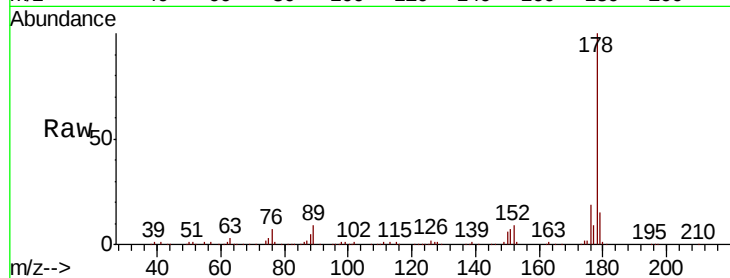




#72  
 Anthracene  
 Concen: 6.160 ng  
 RT: 11.29 min Scan# 1565  
 Delta R.T. -0.01 min  
 Lab File: BF120110.D  
 Acq: 21 Apr 2020 18:52

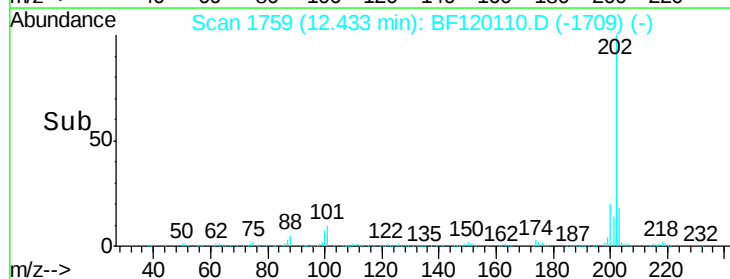
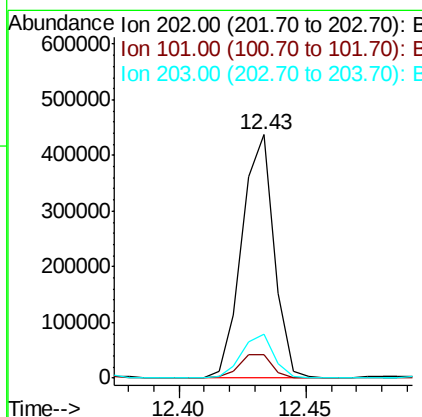
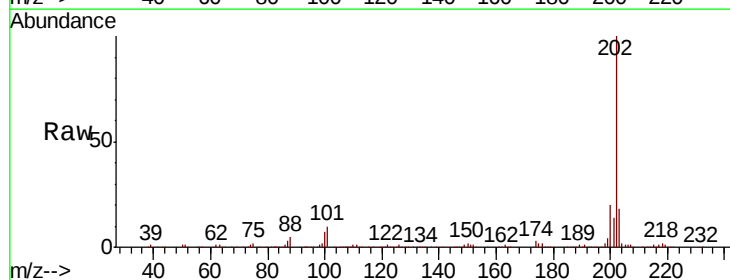
Instrument :  
 BNA\_F  
 ClientSampleId :

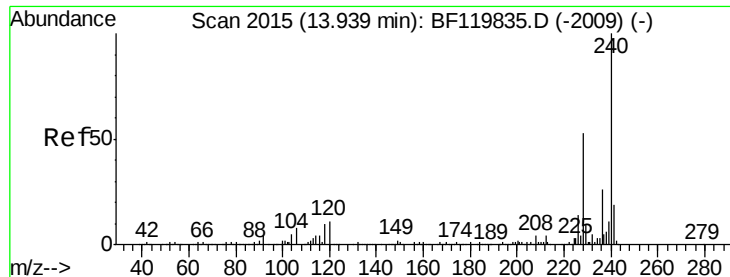
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.2  | 15.4  | 23.2  |
| 179     | 15.4  | 12.8  | 19.2  |



#75  
 Fluoranthene  
 Concen: 16.235 ng  
 RT: 12.43 min Scan# 1759  
 Delta R.T. -0.01 min  
 Lab File: BF120110.D  
 Acq: 21 Apr 2020 18:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 9.9   | 0.0   | 32.3  |
| 203     | 17.9  | 0.0   | 37.6  |





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.86 min Scan# 2001

Delta R.T. -0.01 min

Lab File: BF120110.D

Acq: 21 Apr 2020 18:52

Instrument :

BNA\_F

ClientSampleId :

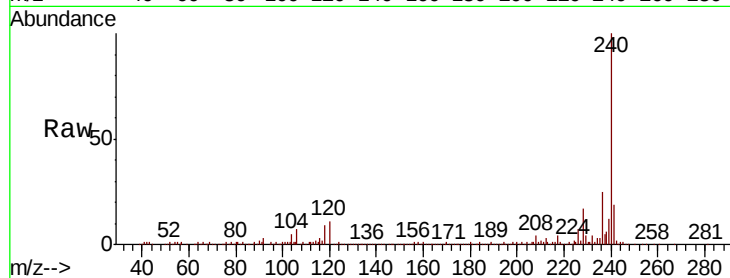
Tot Ion:240 Resp: 236897

Ion Ratio Lower Upper

240 100

120 10.8 9.0 13.6

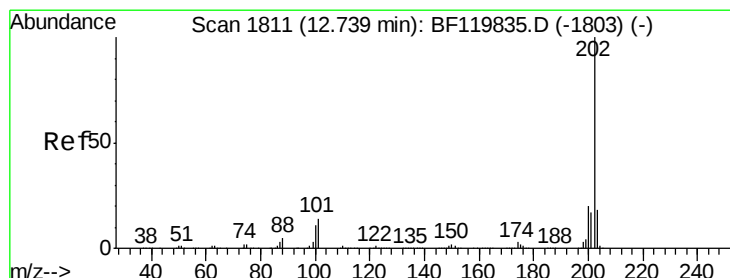
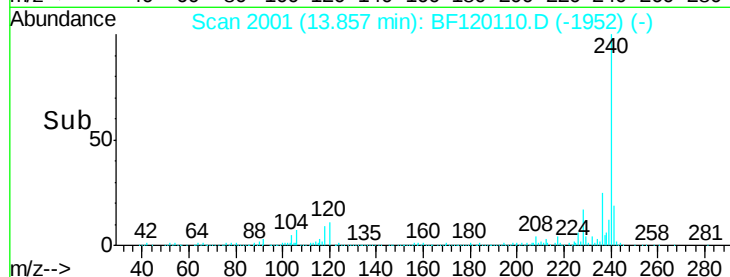
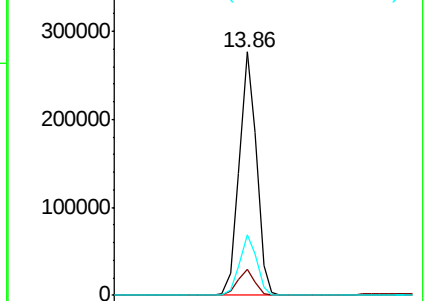
236 24.7 20.7 31.1



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

Pyrene

Concen: 21.433 ng

RT: 12.66 min Scan# 1797

Delta R.T. -0.01 min

Lab File: BF120110.D

Acq: 21 Apr 2020 18:52

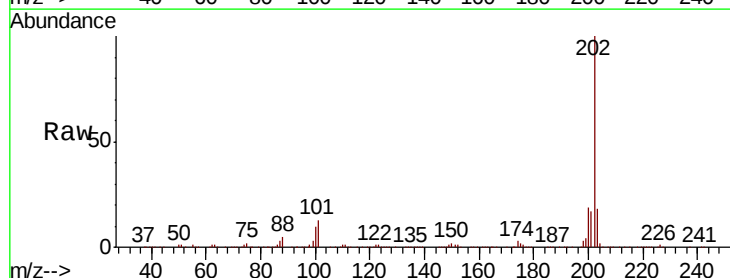
Tgt Ion:202 Resp: 428035

Ion Ratio Lower Upper

202 100

200 19.2 16.2 24.2

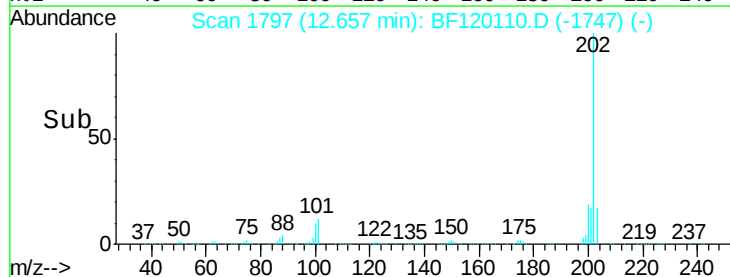
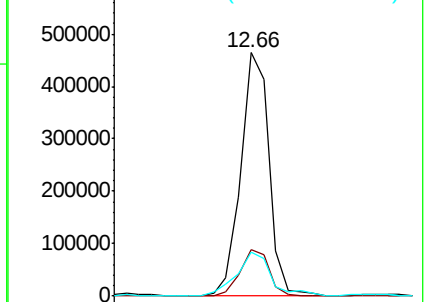
203 18.1 14.1 21.1

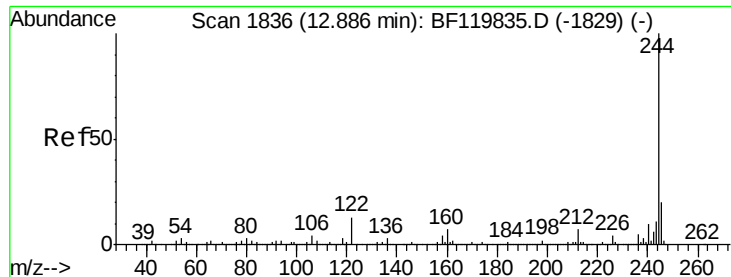


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 11.000 ng

RT: 12.80 min Scan# 1822

Delta R.T. -0.01 min

Lab File: BF120110.D

Acq: 21 Apr 2020 18:52

Instrument :

BNA\_F

ClientSampleId :

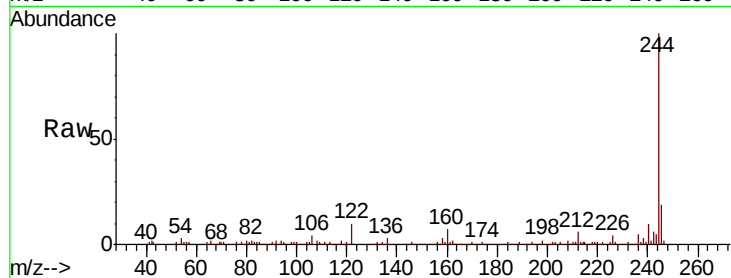
Tot Ion:244 Resp: 154873

Ion Ratio Lower Upper

244 100

212 6.1 5.4 8.0

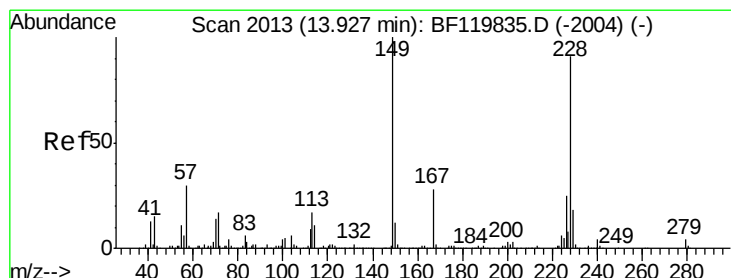
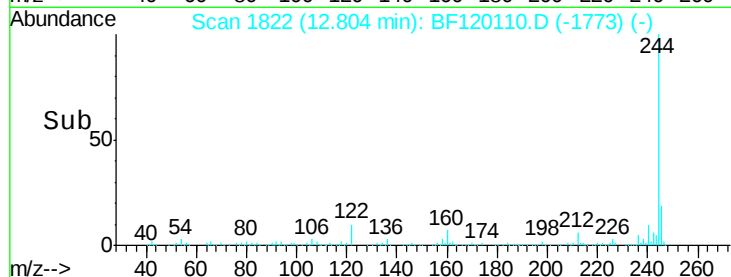
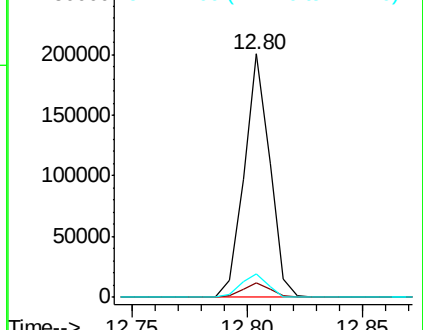
122 9.9 10.3 15.5#



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: 10.760 ng

RT: 13.84 min Scan# 1999

Delta R.T. -0.01 min

Lab File: BF120110.D

Acq: 21 Apr 2020 18:52

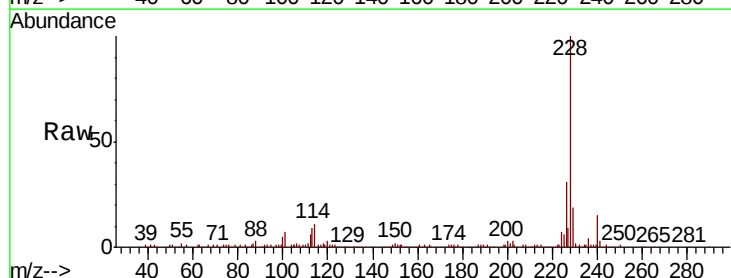
Tgt Ion:228 Resp: 167695

Ion Ratio Lower Upper

228 100

226 31.2 21.9 32.9

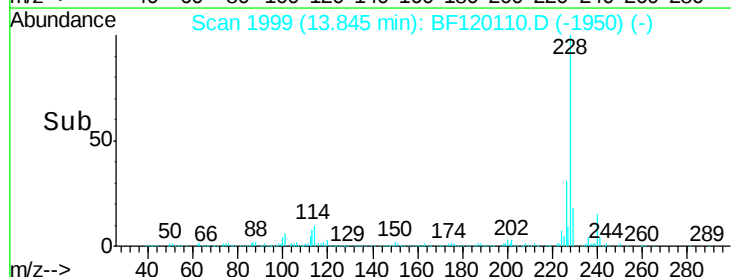
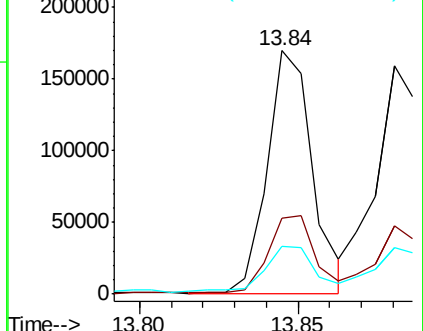
229 19.4 15.9 23.9

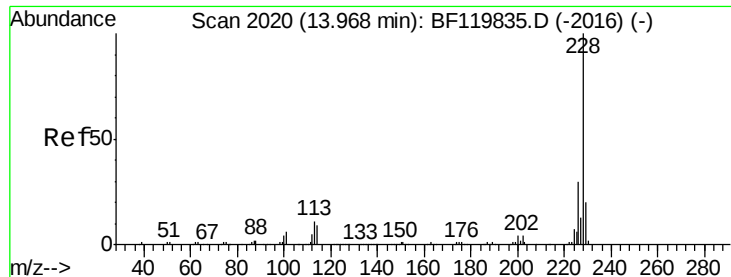


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 9.995 ng

RT: 13.88 min Scan# 2005

Delta R.T. -0.01 min

Lab File: BF120110.D

Acq: 21 Apr 2020 18:52

Instrument :

BNA\_F

ClientSampled :

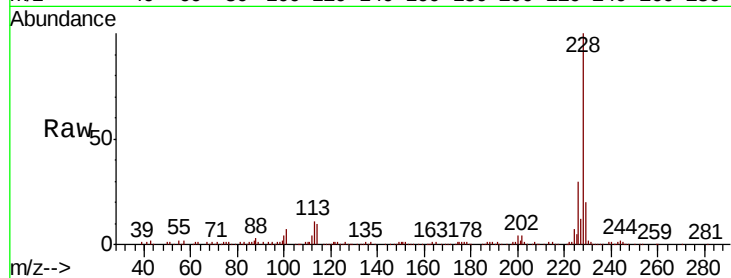
Tot Ion:228 Resp: 158273

Ion Ratio Lower Upper

228 100

226 30.1 24.2 36.2

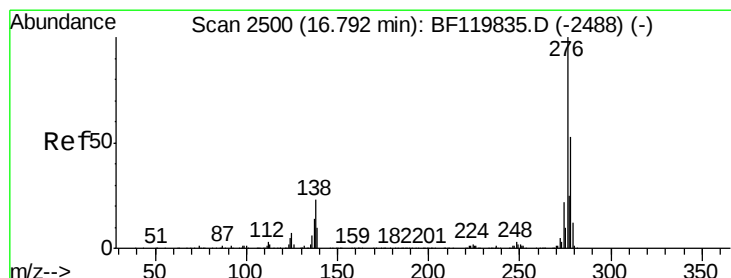
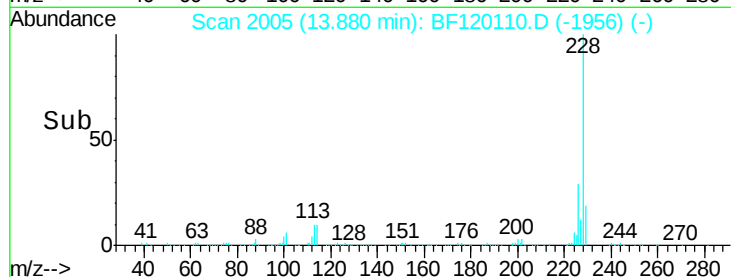
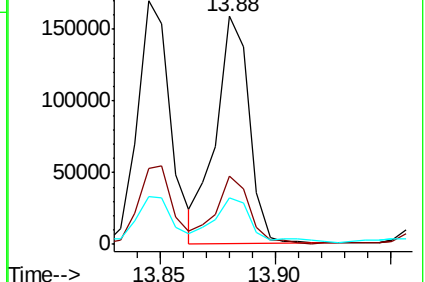
229 20.5 15.9 23.9



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: 6.747 ng

RT: 16.64 min Scan# 2474

Delta R.T. -0.01 min

Lab File: BF120110.D

Acq: 21 Apr 2020 18:52

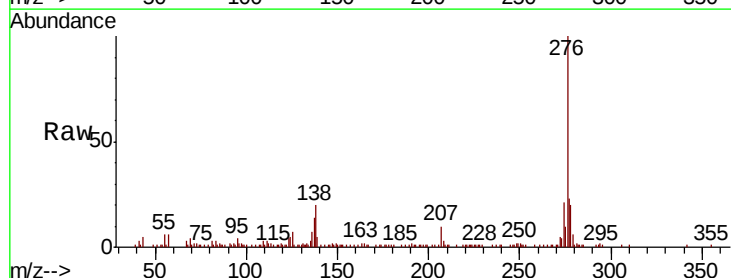
Tgt Ion:276 Resp: 94183

Ion Ratio Lower Upper

276 100

138 21.4 18.0 27.0

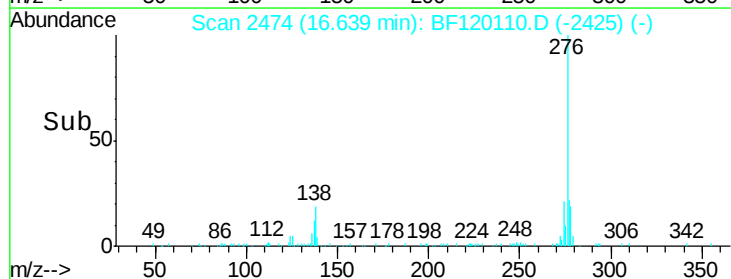
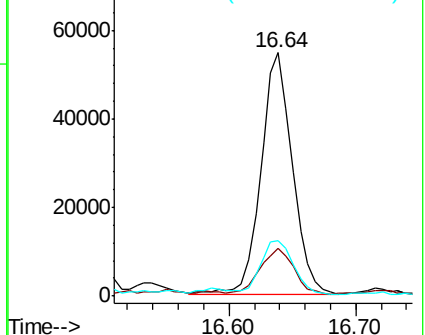
277 23.3 20.1 30.1

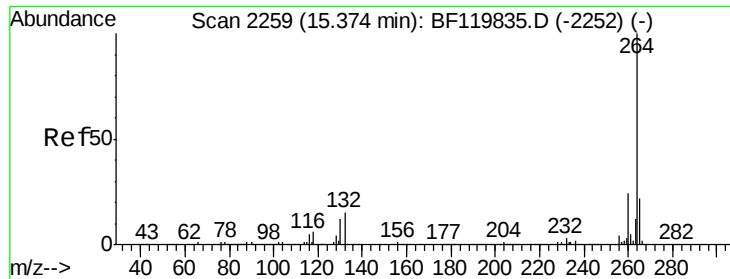


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

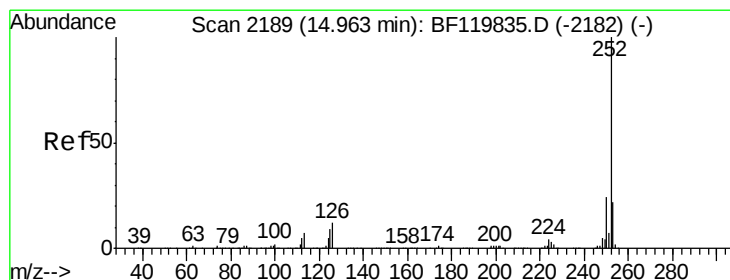
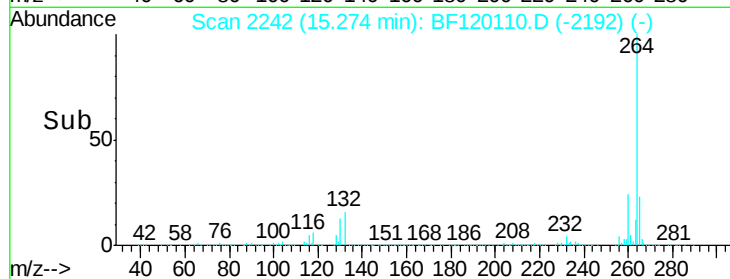
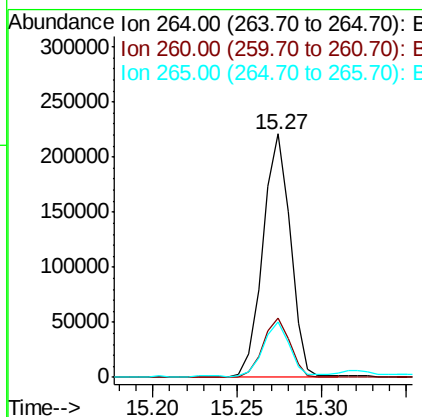
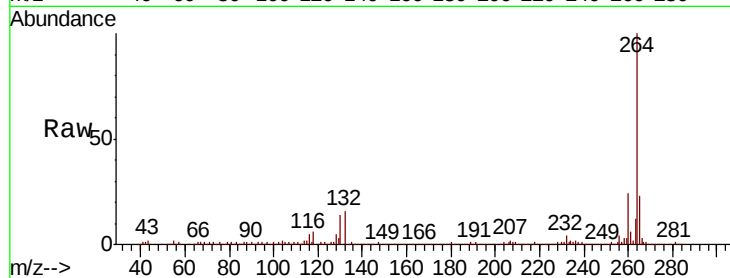




#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.27 min Scan# 2242  
Delta R.T. -0.01 min  
Lab File: BF120110.D  
Acq: 21 Apr 2020 18:52

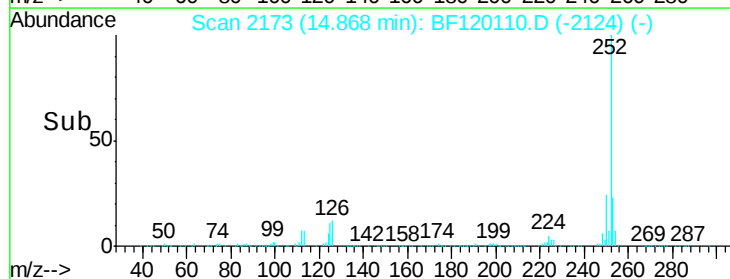
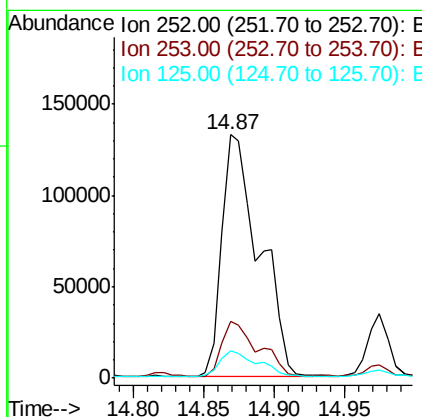
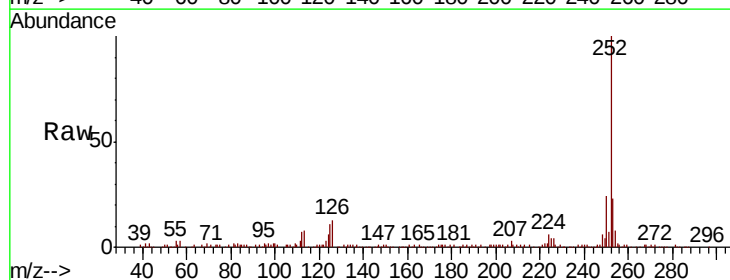
Instrument :  
BNA\_F  
ClientSampleId :

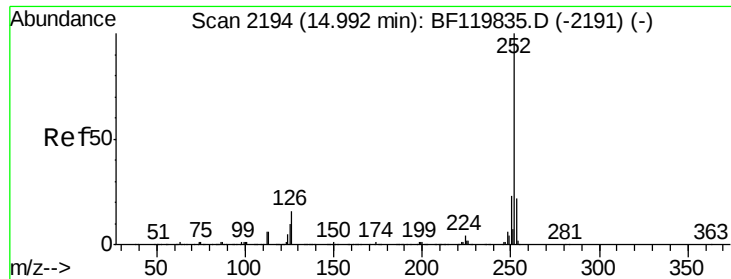
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.4  | 19.3  | 28.9  |
| 265     | 23.0  | 17.6  | 26.4  |



#88  
Benzo(b)fluoranthene  
Concen: 13.706 ng  
RT: 14.87 min Scan# 2173  
Delta R.T. -0.01 min  
Lab File: BF120110.D  
Acq: 21 Apr 2020 18:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.4  | 17.7  | 26.5  |
| 125     | 11.4  | 7.4   | 11.2  |

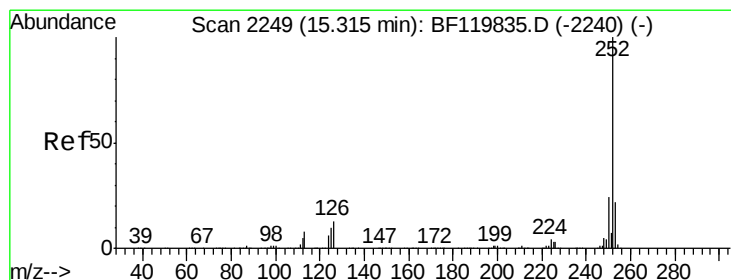
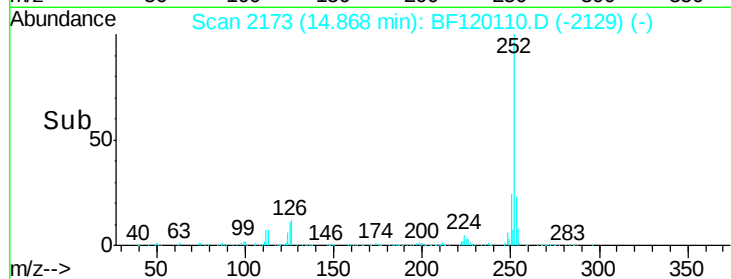
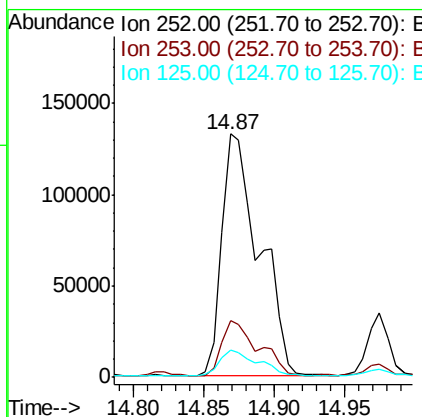
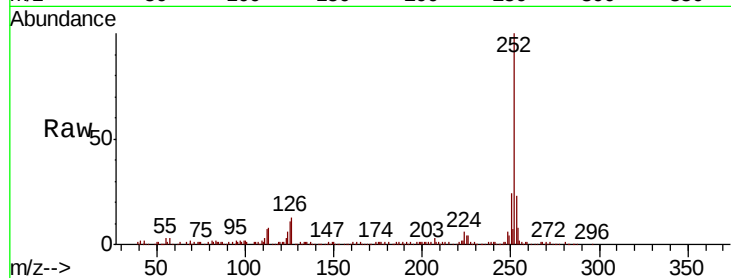




#89  
Benzo(k)fluoranthene  
Concen: 15.886 ng  
RT: 14.87 min Scan# 2173  
Delta R.T. -0.04 min  
Lab File: BF120110.D  
Acq: 21 Apr 2020 18:52

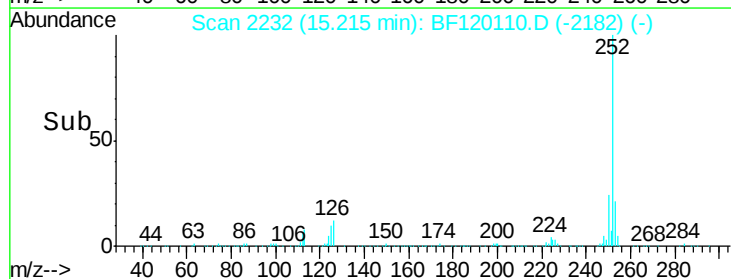
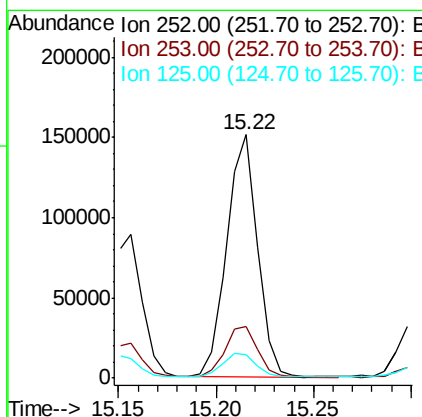
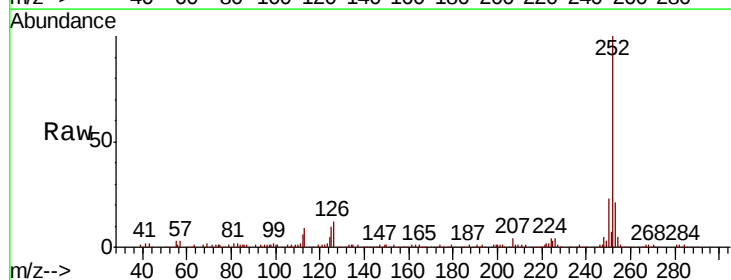
Instrument :  
BNA\_F  
ClientSampleId :

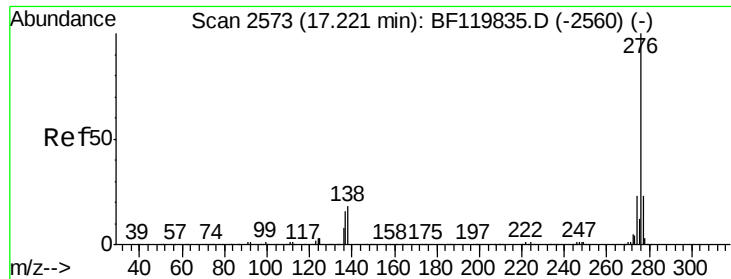
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.4  | 17.8  | 26.8  |
| 125     | 11.4  | 7.7   | 11.5  |



#90  
Benzo(a)pyrene  
Concen: 10.858 ng  
RT: 15.22 min Scan# 2232  
Delta R.T. -0.01 min  
Lab File: BF120110.D  
Acq: 21 Apr 2020 18:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.0  | 17.4  | 26.2  |
| 125     | 9.5   | 8.3   | 12.5  |

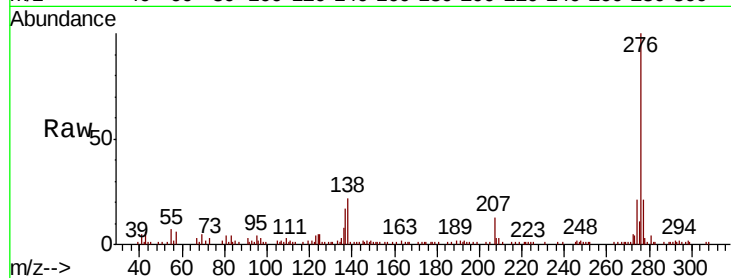




#92  
 Benzo(a,h,i)perylene  
 Concen: 6.491 ng  
 RT: 17.06 min Scan# 2545  
 Delta R.T. -0.01 min  
 Lab File: BF120110.D  
 Acq: 21 Apr 2020 18:52

Instrument :  
 BNA\_F  
 ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 276   | Resp: | 86237 |
| Ion      | Ratio | Lower | Upper |
| 276      | 100   |       |       |
| 277      | 21.0  | 18.5  | 27.7  |
| 138      | 21.5  | 14.6  | 22.0  |



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

