

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF100918\  
 Data File : BF109713.D  
 Acq On : 9 Oct 2018 23:43  
 Operator : JU/SJ  
 Sample : J5326-17  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FL-PIT-5

Quant Time: Oct 10 03:09:04 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF100818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 08 16:02:11 2018  
 Response via : Initial Calibration

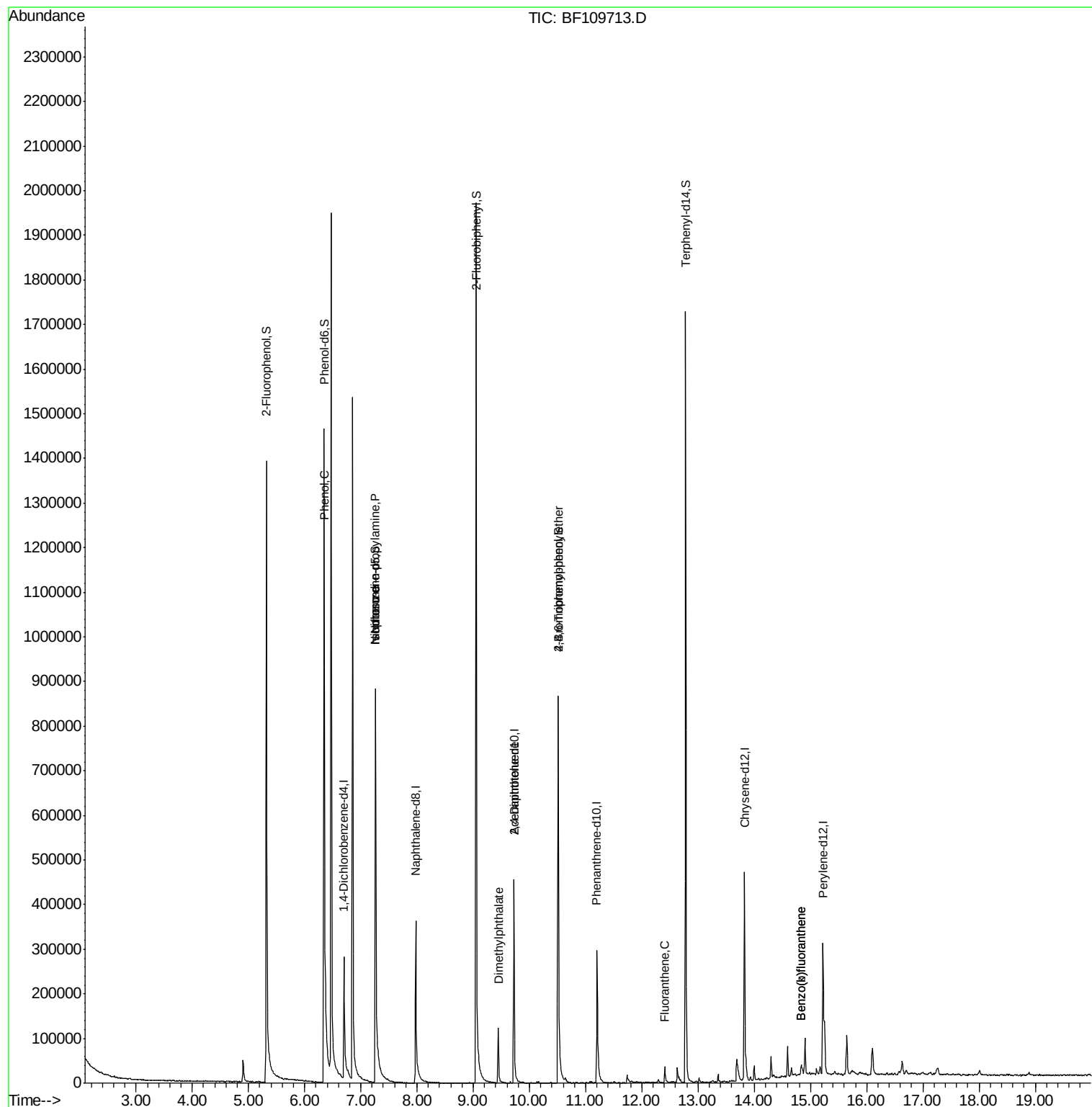
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.70  | 152  | 67633    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 7.97  | 136  | 266343   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.72  | 164  | 106369   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.20 | 188  | 181608   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 13.83 | 240  | 192106   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 15.22 | 264  | 170578   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.32  | 112  | 548661   | 144.00 | ng    | 0.00     |
| 7) Phenol-d6                   | 6.35  | 99   | 759309   | 149.18 | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 7.26  | 82   | 487152   | 100.82 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.51 | 330  | 145540   | 125.57 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.05  | 172  | 762184   | 98.69  | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.78 | 244  | 640700   | 64.56  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 6.36  | 94   | 24298    | 4.163  | ng    | 87       |
| 19) n-Nitroso-di-n-propylamine | 7.26  | 70   | 62743    | 17.577 | ng    | # 79     |
| 25) Isophorone                 | 7.26  | 82   | 491407   | 61.247 | ng    | # 67     |
| 49) Dimethylphthalate          | 9.45  | 163  | 71976    | 9.226  | ng    | 99       |
| 56) 2,4-Dinitrotoluene         | 9.72  | 165  | 13260    | 6.283  | ng    | # 17     |
| 66) 4-Bromophenyl-phenylether  | 10.51 | 248  | 8441     | 4.045  | ng    | # 1      |
| 74) Fluoranthene               | 12.41 | 202  | 24330    | 2.563  | ng    | 99       |
| 87) Benzo(b)fluoranthene       | 14.83 | 252  | 20490    | 2.174  | ng    | # 96     |
| 88) Benzo(k)fluoranthene       | 14.83 | 252  | 20490    | 2.163  | ng    | # 95     |

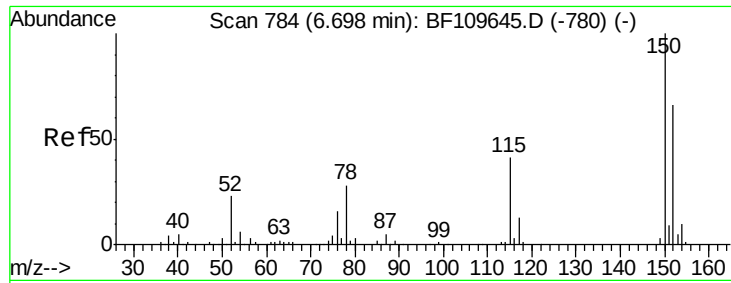
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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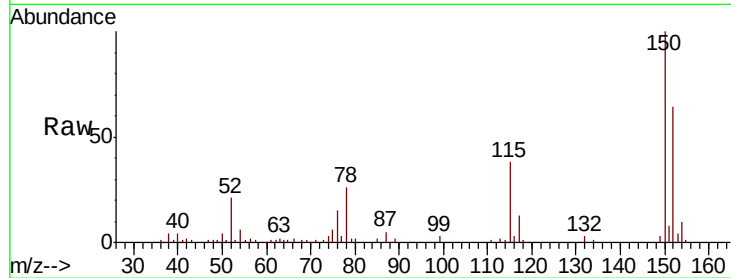


#1

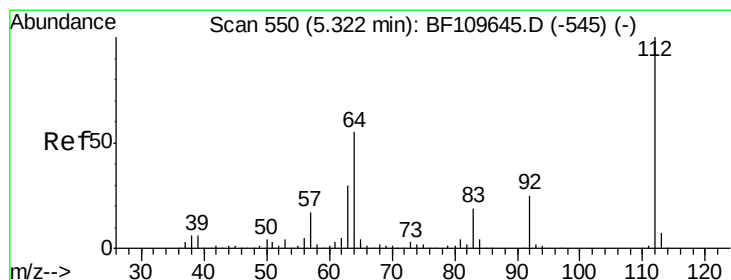
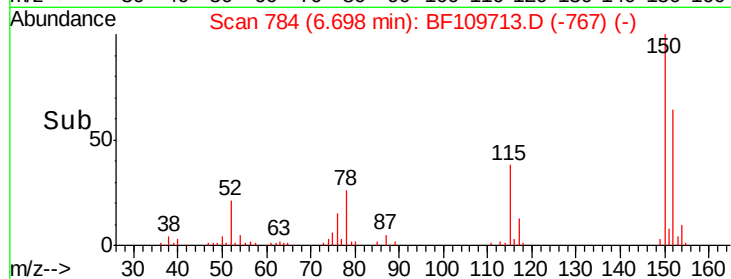
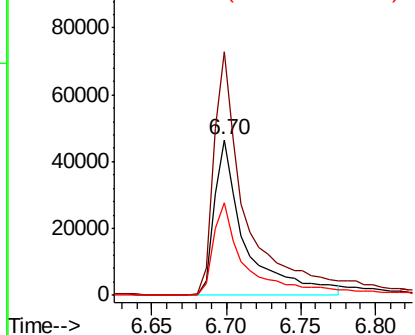
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.70 min Scan# 784  
Delta R.T. 0.00 min  
Lab File: BF109713.D  
Acq: 9 Oct 2018 23:43

Instrument :  
BNA\_F  
ClientSampleId :  
FL-PIT-5

Tgt Ion:152 Resp: 67633  
Ion Ratio Lower Upper  
152 100  
150 156.3 122.7 184.1  
115 59.1 49.1 73.7



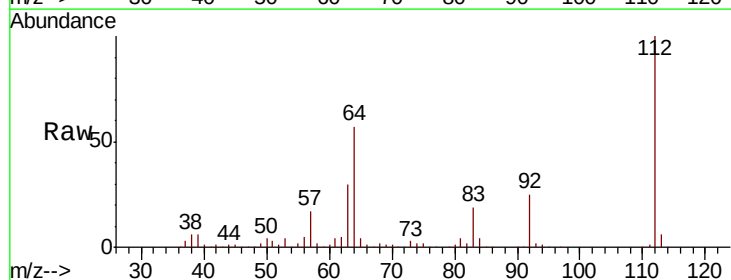
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



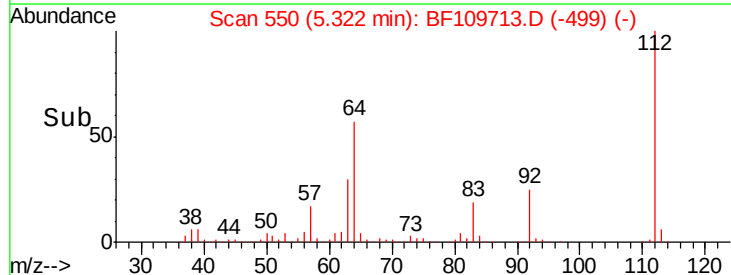
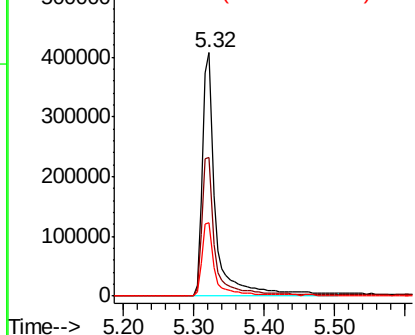
#5

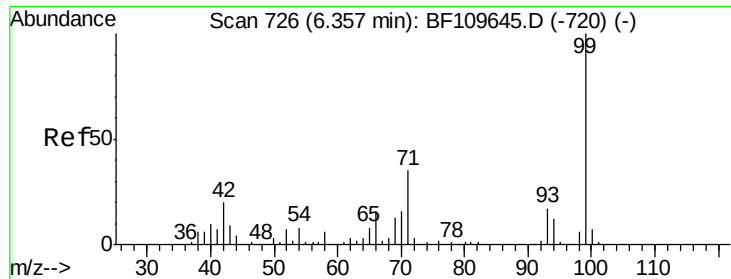
2-Fluorophenol  
Concen: 143.996 ng  
RT: 5.32 min Scan# 550  
Delta R.T. 0.00 min  
Lab File: BF109713.D  
Acq: 9 Oct 2018 23:43

Tgt Ion:112 Resp: 548661  
Ion Ratio Lower Upper  
112 100  
64 56.9 44.1 66.1  
63 30.3 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: 149.175 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF109713.D

Acq: 9 Oct 2018 23:43

Instrument :

BNA\_F

ClientSampleId :

FL-PIT-5

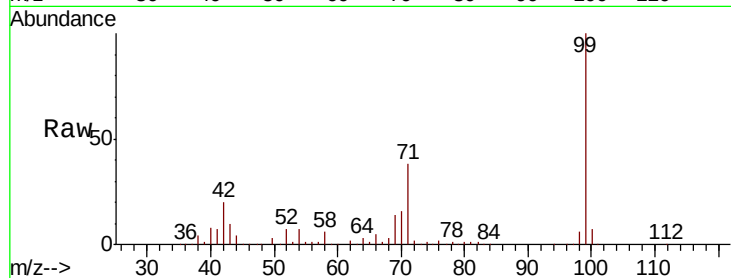
Tgt Ion: 99 Resp: 759309

Ion Ratio Lower Upper

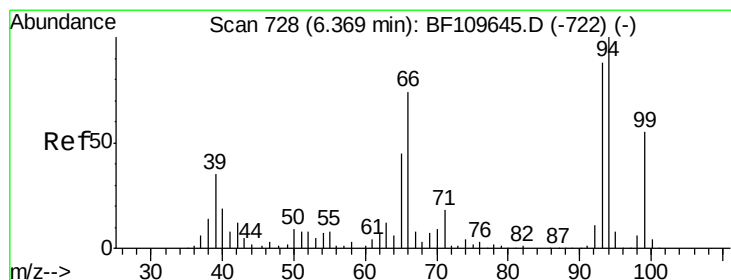
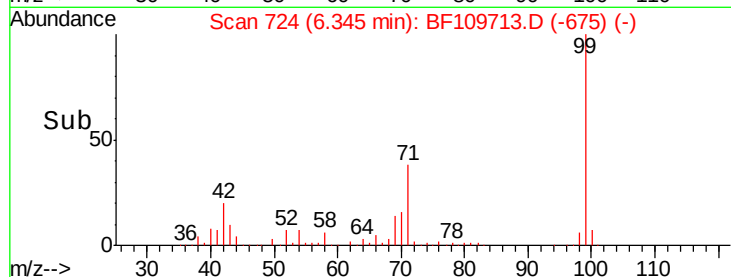
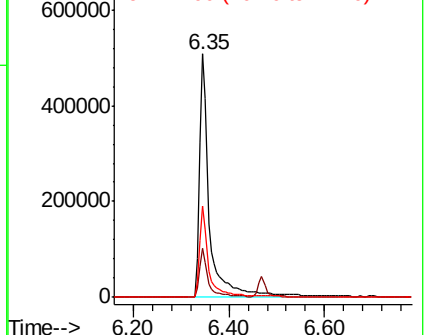
99 100

42 20.3 15.8 23.6

71 37.5 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: 4.163 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF109713.D

Acq: 9 Oct 2018 23:43

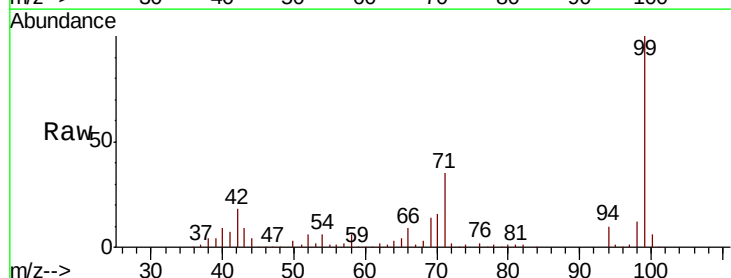
Tgt Ion: 94 Resp: 24298

Ion Ratio Lower Upper

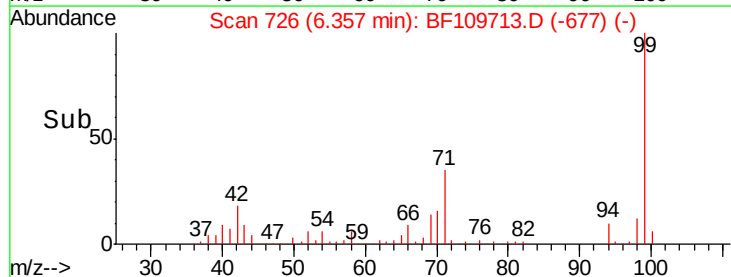
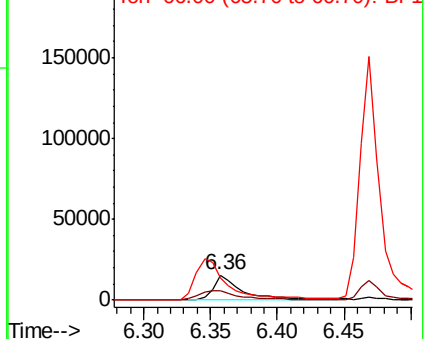
94 100

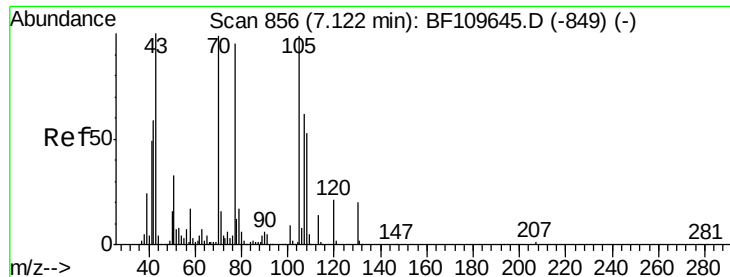
65 39.3 25.3 65.3

66 88.1 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

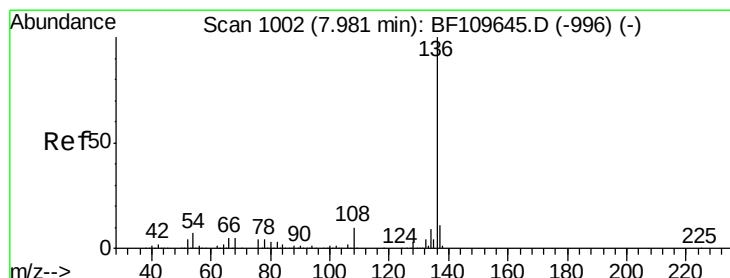
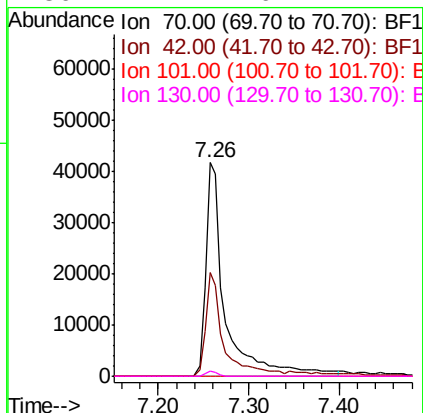
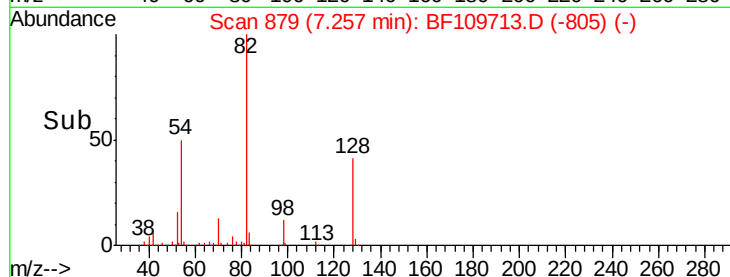
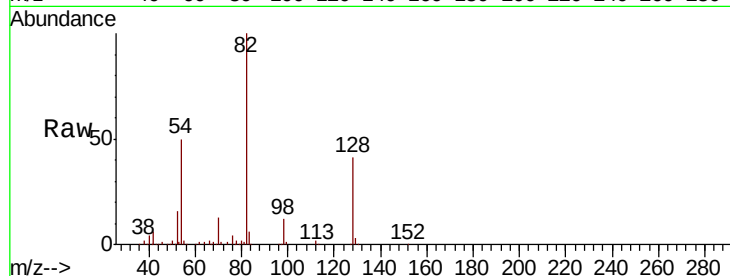




#19  
n-Nitroso-di-n-propylamine  
Concen: 17.577 ng  
RT: 7.26 min Scan# 879  
Delta R.T. 0.14 min  
Lab File: BF109713.D  
Acq: 9 Oct 2018 23:43

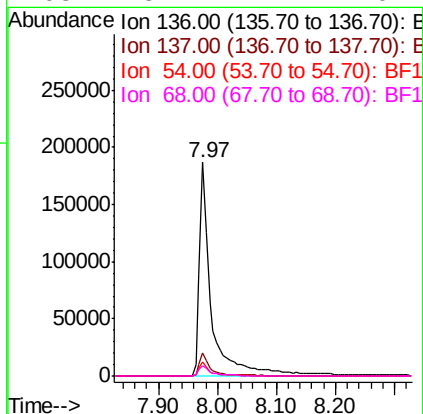
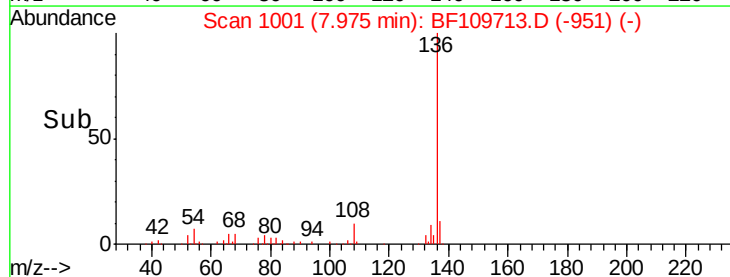
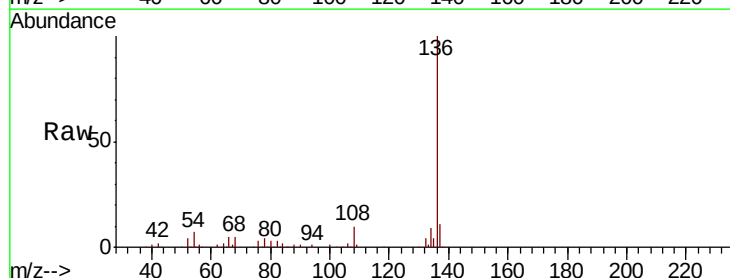
Instrument :  
BNA\_F  
ClientSampleId :  
FL-PIT-5

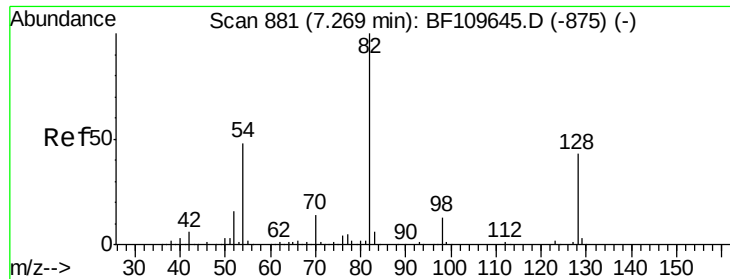
Tgt Ion: 70 Resp: 62743  
Ion Ratio Lower Upper  
70 100  
42 48.4 47.4 71.2  
101 0.0 7.3 10.9#  
130 2.2 16.2 24.2#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 7.97 min Scan# 1001  
Delta R.T. -0.01 min  
Lab File: BF109713.D  
Acq: 9 Oct 2018 23:43

Tgt Ion: 136 Resp: 266343  
Ion Ratio Lower Upper  
136 100  
137 10.7 8.8 13.2  
54 6.7 5.4 8.2  
68 5.1 4.2 6.2

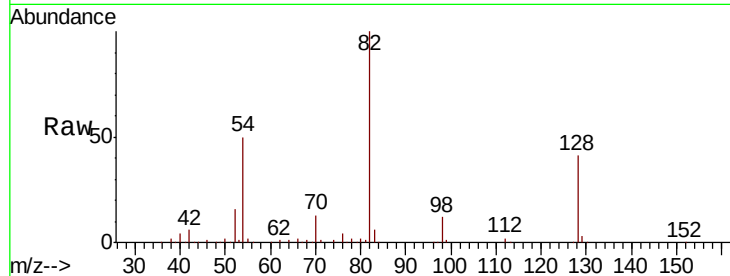




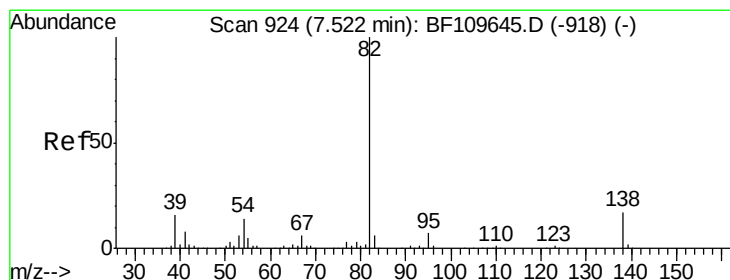
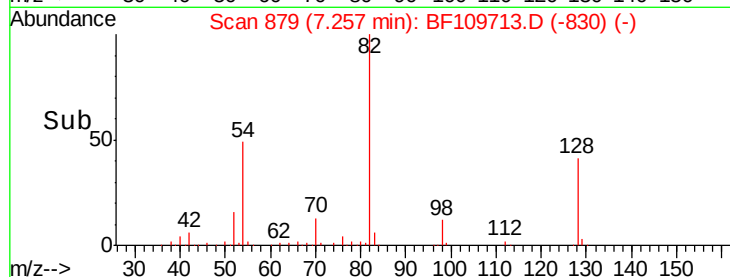
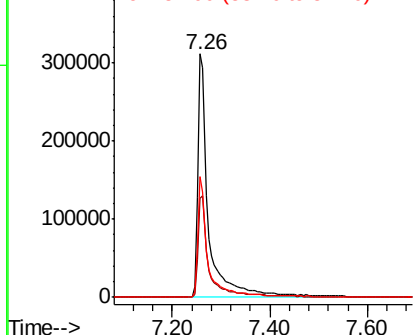
#23  
 Nitrobenzene-d5  
 Concen: 100.823 ng  
 RT: 7.26 min Scan# 879  
 Delta R.T. -0.01 min  
 Lab File: BF109713.D  
 Acq: 9 Oct 2018 23:43

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FL-PIT-5

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 40.5  | 34.2  | 51.2  |
| 54      | 49.5  | 38.6  | 58.0  |

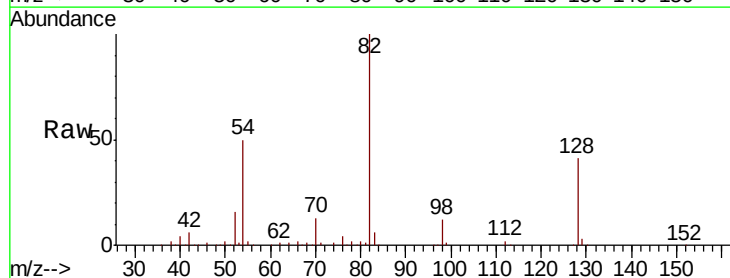


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

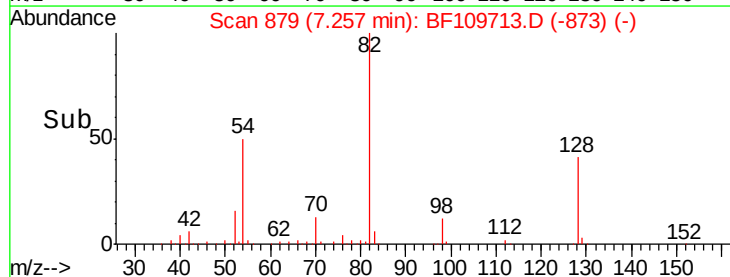
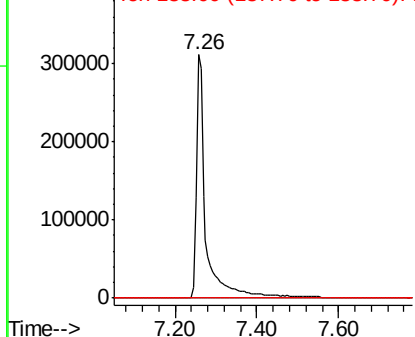


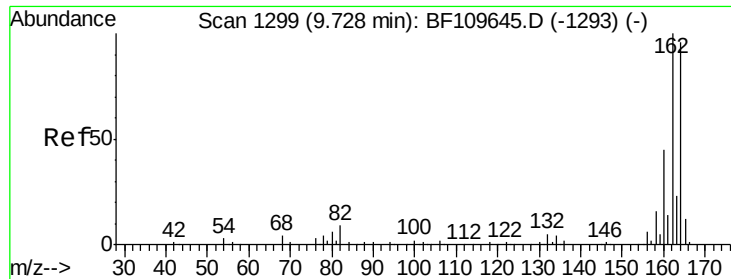
#25  
 Isophorone  
 Concen: 61.247 ng  
 RT: 7.26 min Scan# 879  
 Delta R.T. -0.26 min  
 Lab File: BF109713.D  
 Acq: 9 Oct 2018 23:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 95      | 0.0   | 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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.72 min Scan# 1298

Delta R.T. -0.01 min

Lab File: BF109713.D

Acq: 9 Oct 2018 23:43

Instrument :

BNA\_F

ClientSampleId :

FL-PIT-5

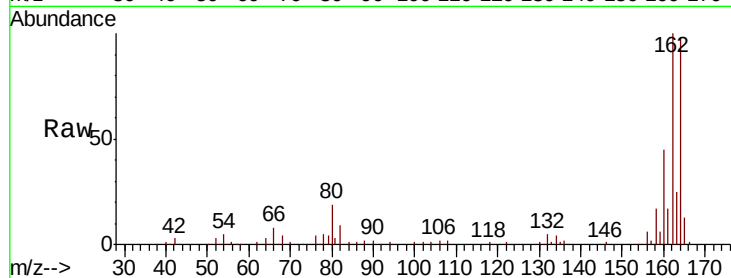
Tgt Ion:164 Resp: 106369

Ion Ratio Lower Upper

164 100

162 102.3 83.0 124.6

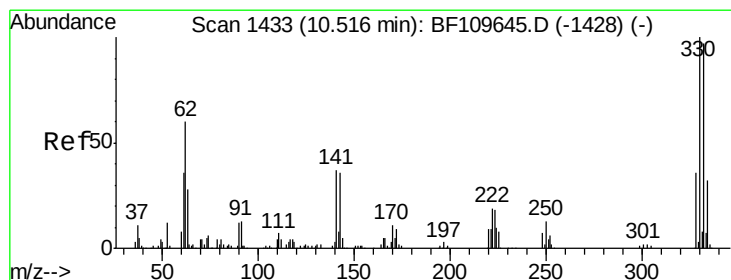
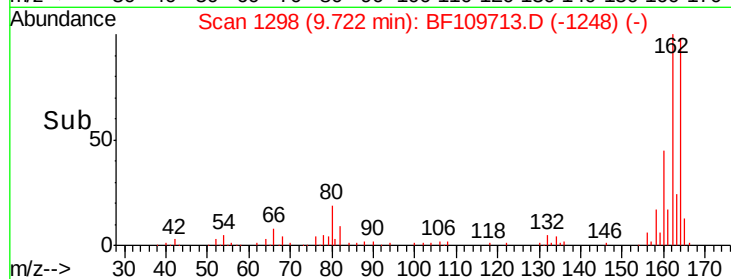
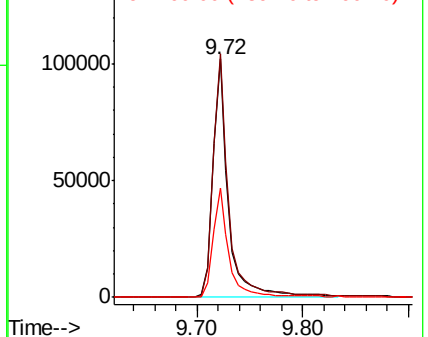
160 46.1 37.0 55.6



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 125.573 ng

RT: 10.51 min Scan# 1432

Delta R.T. -0.01 min

Lab File: BF109713.D

Acq: 9 Oct 2018 23:43

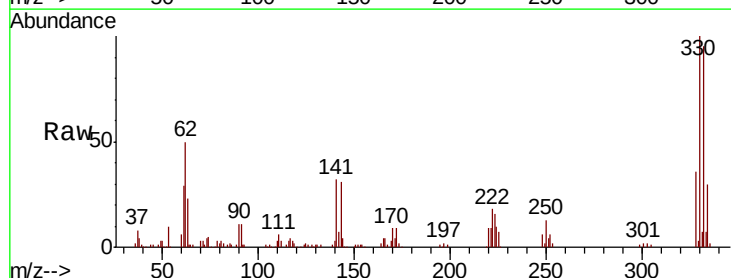
Tgt Ion:330 Resp: 145540

Ion Ratio Lower Upper

330 100

332 95.3 77.1 115.7

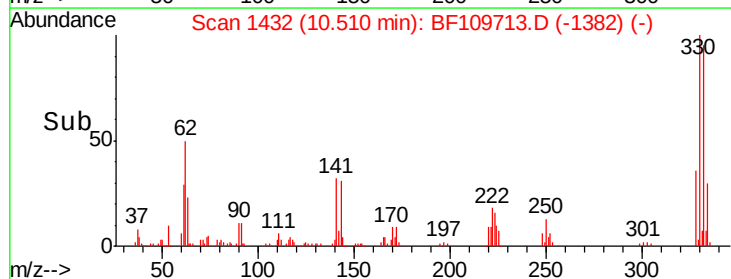
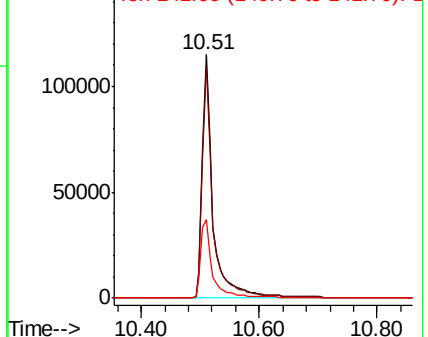
141 34.7 27.0 40.4

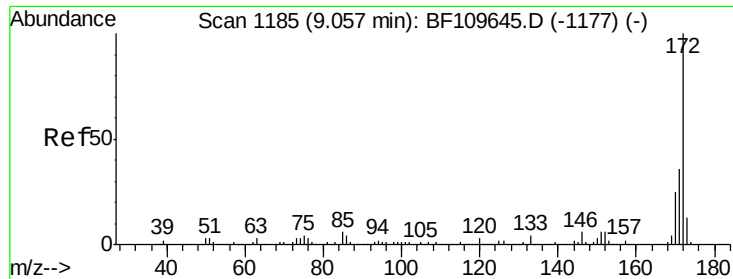


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

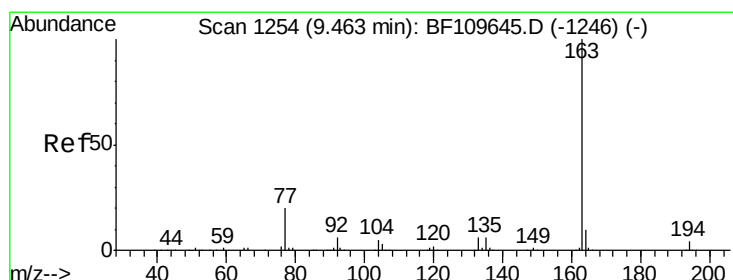
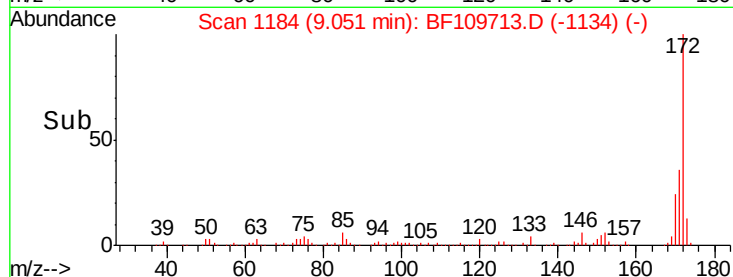
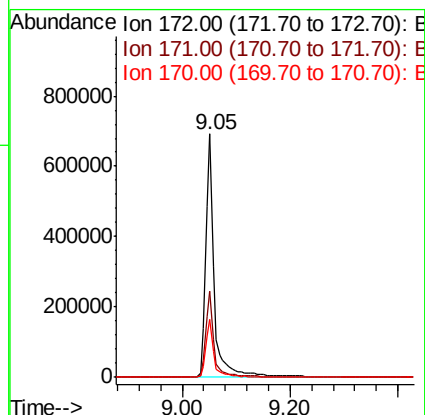
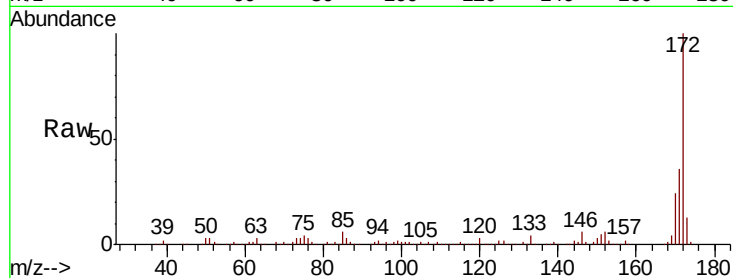




#44  
 2-Fluorobiphenyl  
 Concen: 98.687 ng  
 RT: 9.05 min Scan# 1184  
 Delta R.T. -0.01 min  
 Lab File: BF109713.D  
 Acq: 9 Oct 2018 23:43

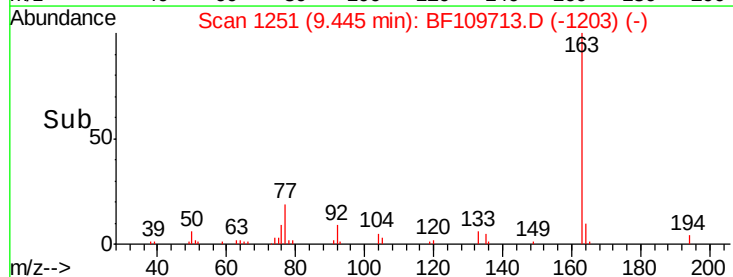
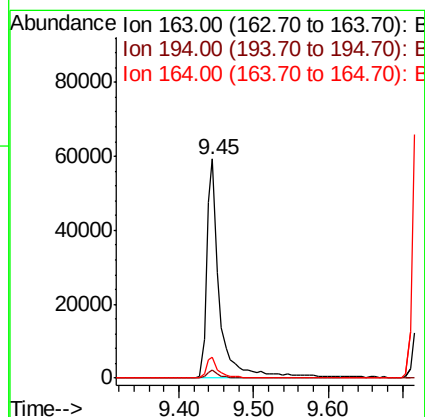
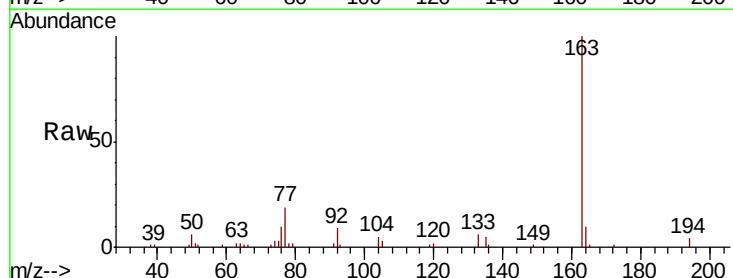
Instrument :  
 BNA\_F  
 ClientSampleId :  
 FL-PIT-5

Tgt Ion:172 Resp: 762184  
 Ion Ratio Lower Upper  
 172 100  
 171 35.5 28.6 43.0  
 170 23.7 19.7 29.5

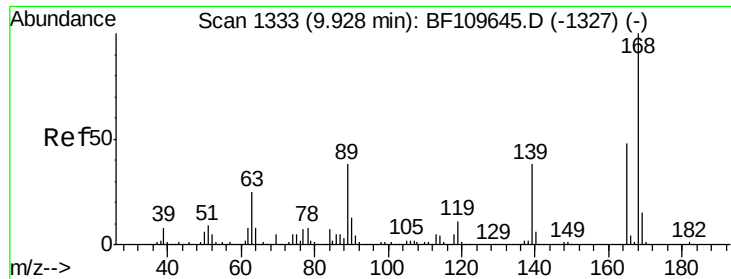


#49  
 Dimethylphthalate  
 Concen: 9.226 ng  
 RT: 9.45 min Scan# 1251  
 Delta R.T. -0.02 min  
 Lab File: BF109713.D  
 Acq: 9 Oct 2018 23:43

Tgt Ion:163 Resp: 71976  
 Ion Ratio Lower Upper  
 163 100  
 194 3.8 3.2 4.8  
 164 9.7 8.1 12.1



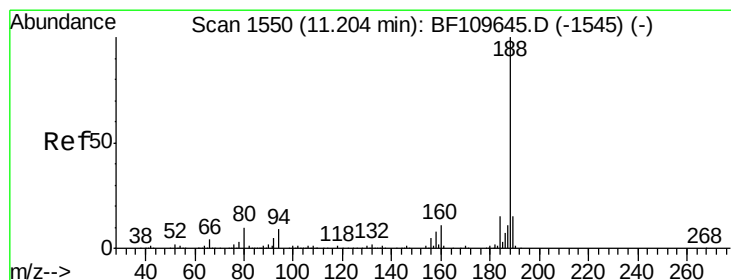
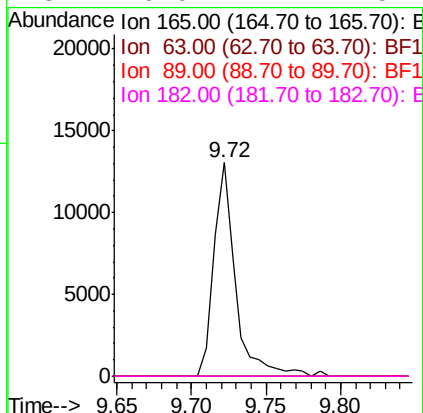
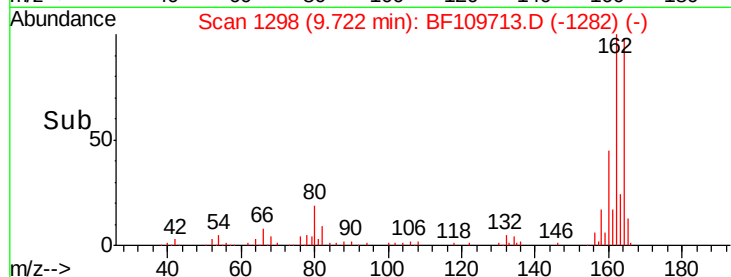
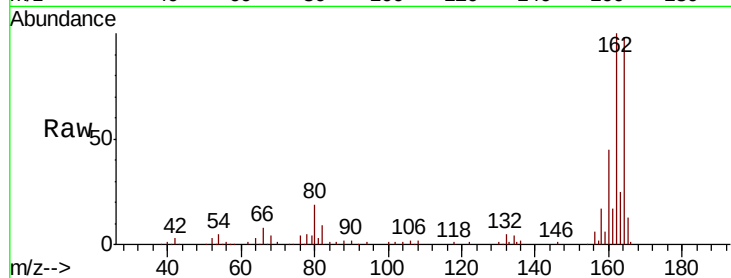




#56  
 2,4-Dinitrotoluene  
 Concen: 6.283 ng  
 RT: 9.72 min Scan# 1298  
 Delta R.T. -0.21 min  
 Lab File: BF109713.D  
 Acq: 9 Oct 2018 23:43

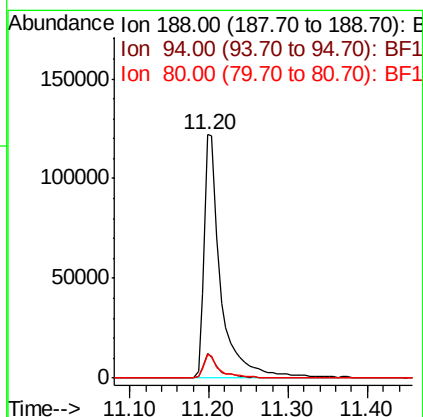
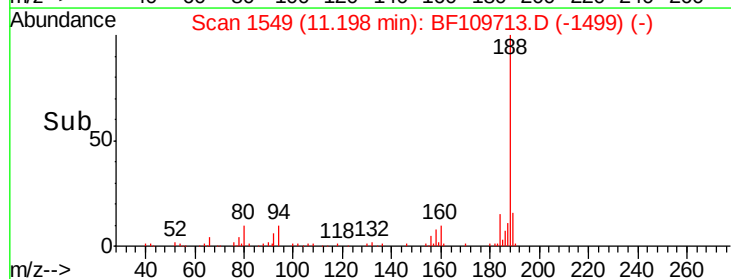
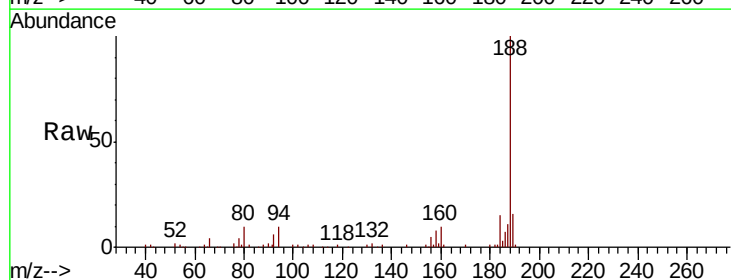
Instrument :  
 BNA\_F  
 ClientSampleId :  
 FL-PIT-5

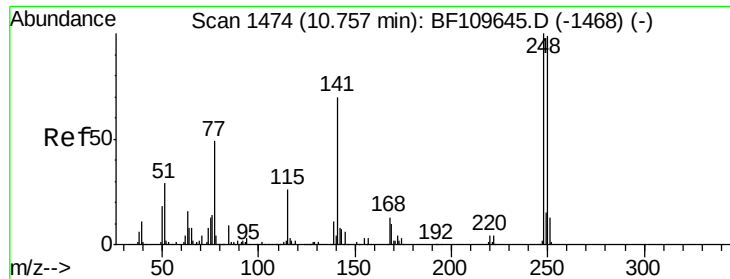
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.0   | 44.8  | 67.2# |
| 89      | 0.0   | 62.2  | 93.4# |
| 182     | 0.0   | 2.1   | 3.1#  |



#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.20 min Scan# 1549  
 Delta R.T. -0.01 min  
 Lab File: BF109713.D  
 Acq: 9 Oct 2018 23:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 10.0  | 7.2   | 10.8  |
| 80      | 9.7   | 7.9   | 11.9  |

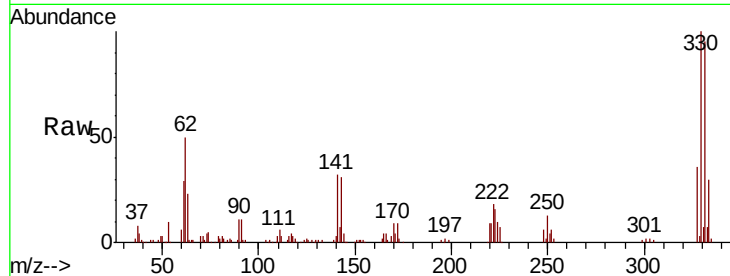




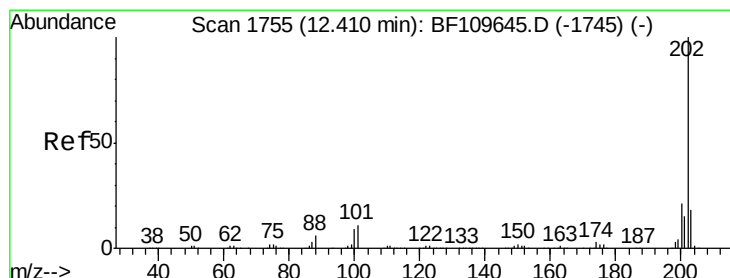
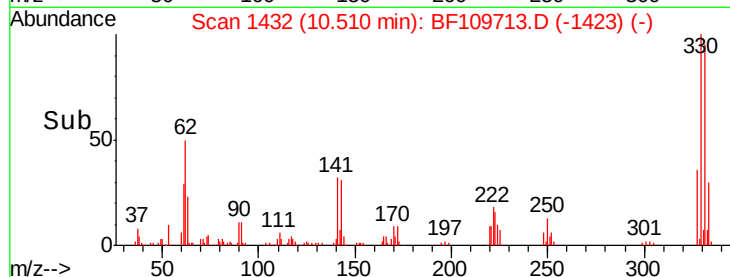
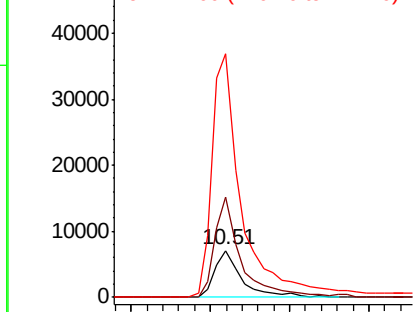
#66  
 4-Bromophenyl-phenylether  
 Concen: 4.045 ng  
 RT: 10.51 min Scan# 1432  
 Delta R.T. -0.25 min  
 Lab File: BF109713.D  
 Acq: 9 Oct 2018 23:43

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FL-PIT-5

Tgt Ion:248 Resp: 8441  
 Ion Ratio Lower Upper  
 248 100  
 250 213.8 79.4 119.2#  
 141 519.0 55.9 83.9#

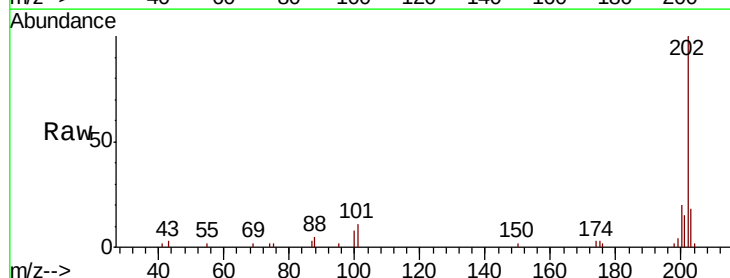


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

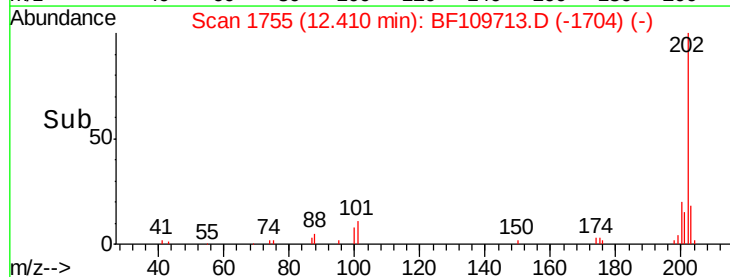
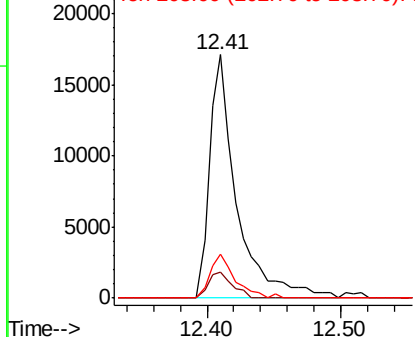


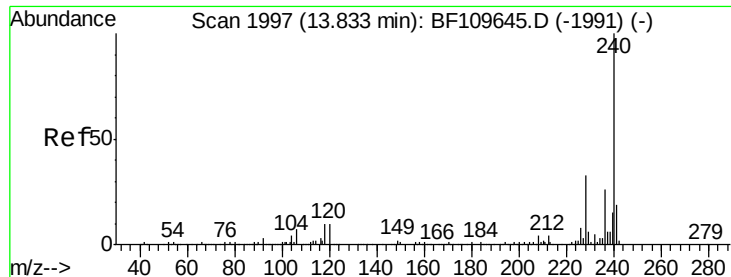
#74  
 Fluoranthene  
 Concen: 2.563 ng  
 RT: 12.41 min Scan# 1755  
 Delta R.T. 0.00 min  
 Lab File: BF109713.D  
 Acq: 9 Oct 2018 23:43

Tgt Ion:202 Resp: 24330  
 Ion Ratio Lower Upper  
 202 100  
 101 10.7 0.0 31.4  
 203 18.2 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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.83 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BF109713.D

Acq: 9 Oct 2018 23:43

Instrument :

BNA\_F

ClientSampleId :

FL-PIT-5

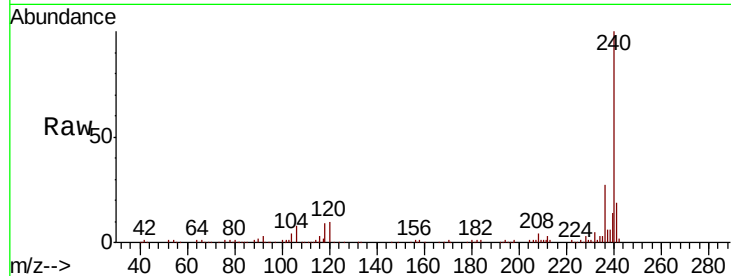
Tgt Ion:240 Resp: 192106

Ion Ratio Lower Upper

240 100

120 10.2 8.3 12.5

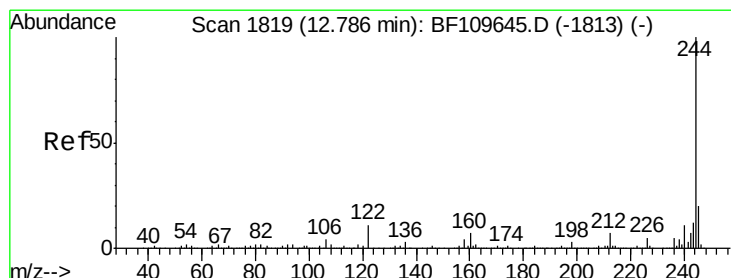
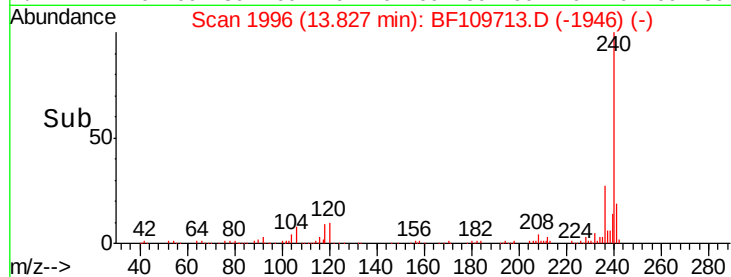
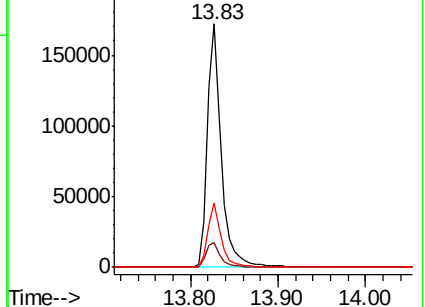
236 26.6 21.2 31.8



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

Terphenyl-d14

Concen: 64.563 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF109713.D

Acq: 9 Oct 2018 23:43

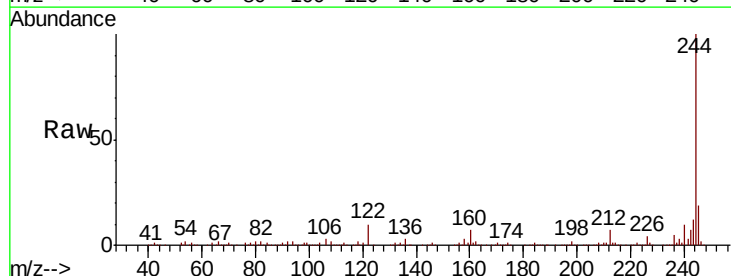
Tgt Ion:244 Resp: 640700

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

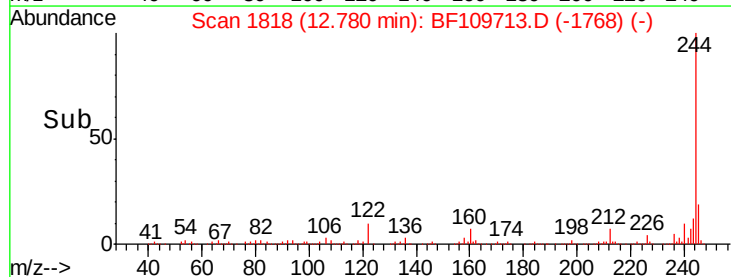
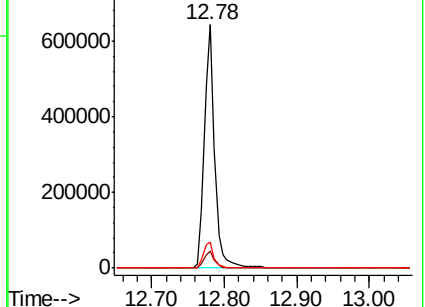
122 10.4 8.7 13.1

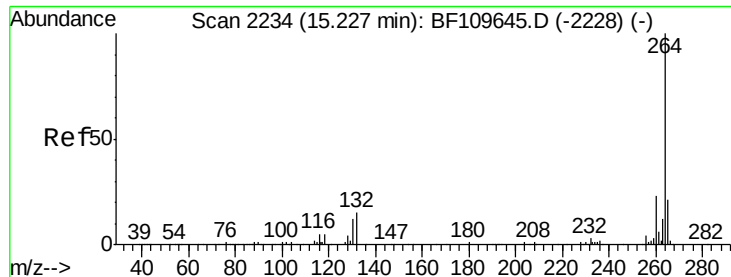


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

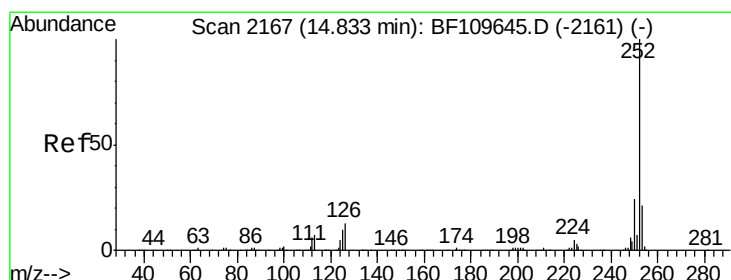
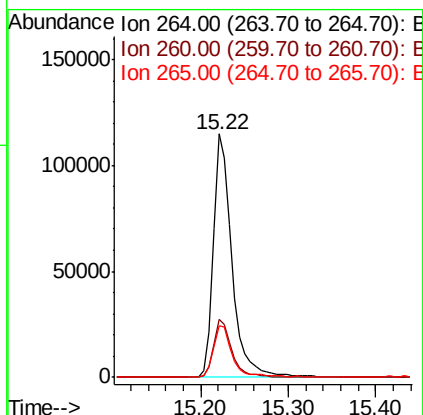
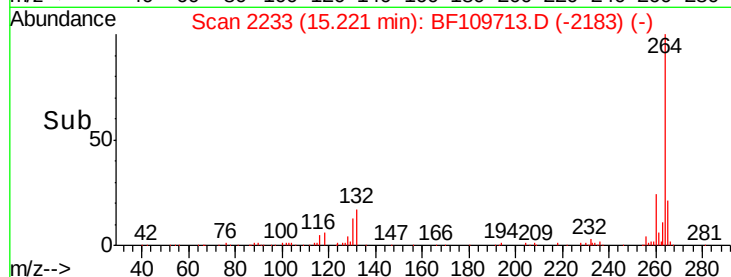
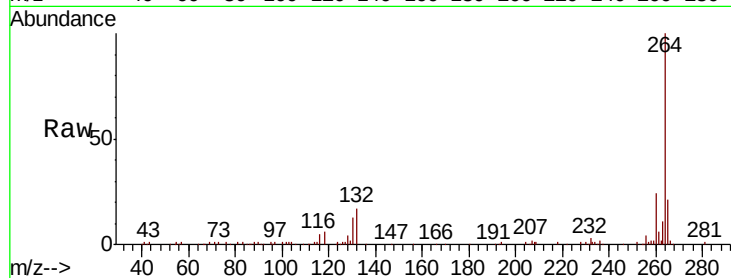




#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.22 min Scan# 2233  
Delta R.T. -0.01 min  
Lab File: BF109713.D  
Acq: 9 Oct 2018 23:43

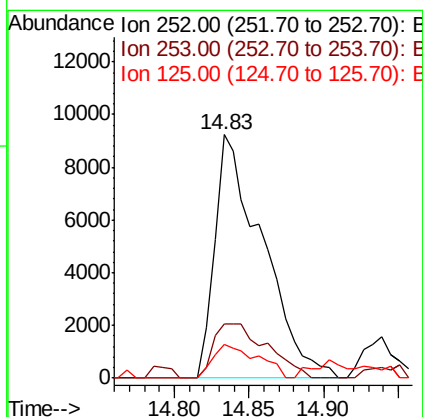
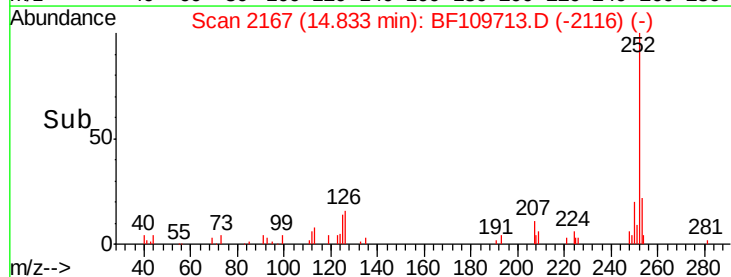
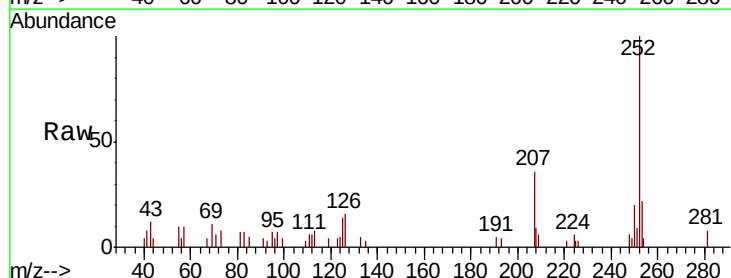
Instrument :  
BNA\_F  
ClientSampleId :  
FL-PIT-5

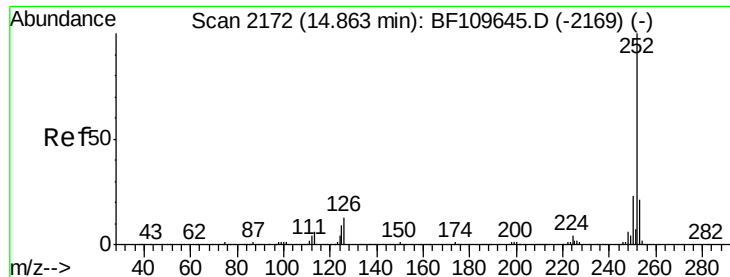
Tgt Ion:264 Resp: 170578  
Ion Ratio Lower Upper  
264 100  
260 24.1 18.7 28.1  
265 21.4 16.7 25.1



#87  
Benzo(b)fluoranthene  
Concen: 2.174 ng  
RT: 14.83 min Scan# 2167  
Delta R.T. 0.00 min  
Lab File: BF109713.D  
Acq: 9 Oct 2018 23:43

Tgt Ion:252 Resp: 20490  
Ion Ratio Lower Upper  
252 100  
253 22.2 17.2 25.8  
125 13.8 8.2 12.4#





#88

Benzo(k)fluoranthene

Concen: 2.163 ng

RT: 14.83 min Scan# 2167

Delta R.T. -0.03 min

Lab File: BF109713.D

Acq: 9 Oct 2018 23:43

Instrument :

BNA\_F

ClientSampleId :

FL-PIT-5

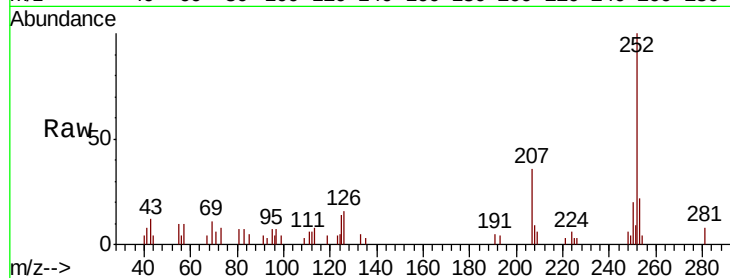
Tgt Ion:252 Resp: 20490

Ion Ratio Lower Upper

252 100

253 22.2 17.2 25.8

125 13.8 7.4 11.0#



Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

