

Data Path : Z:\HPCHEM1\BNA F\DATA\BF113017\  
 Data File : BF101027.D  
 Acq On : 30 Nov 2017 19:44  
 Operator : SJ/JU  
 Sample : I6610-17 2X  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Dec 01 00:35:18 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 30 16:01:41 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.85  | 152  | 57460    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.13  | 136  | 222456   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.89  | 164  | 101287   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.38 | 188  | 166444   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.03 | 240  | 131773   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.50 | 264  | 137589   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |        |       |    |       |
|--------------------------|-------|-----|--------|-------|----|-------|
| 5) 2-Fluorophenol        | 5.46  | 112 | 153040 | 44.01 | ng | 0.00  |
| 7) Phenol-d6             | 6.48  | 99  | 185807 | 44.01 | ng | 0.00  |
| 23) Nitrobenzene-d5      | 7.41  | 82  | 114603 | 30.73 | ng | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.68 | 330 | 46935  | 38.57 | ng | 0.00  |
| 44) 2-Fluorobiphenyl     | 9.20  | 172 | 244344 | 33.01 | ng | 0.00  |
| 78) Terphenyl-d14        | 12.96 | 244 | 185226 | 30.75 | ng | 0.00  |

## Target Compounds

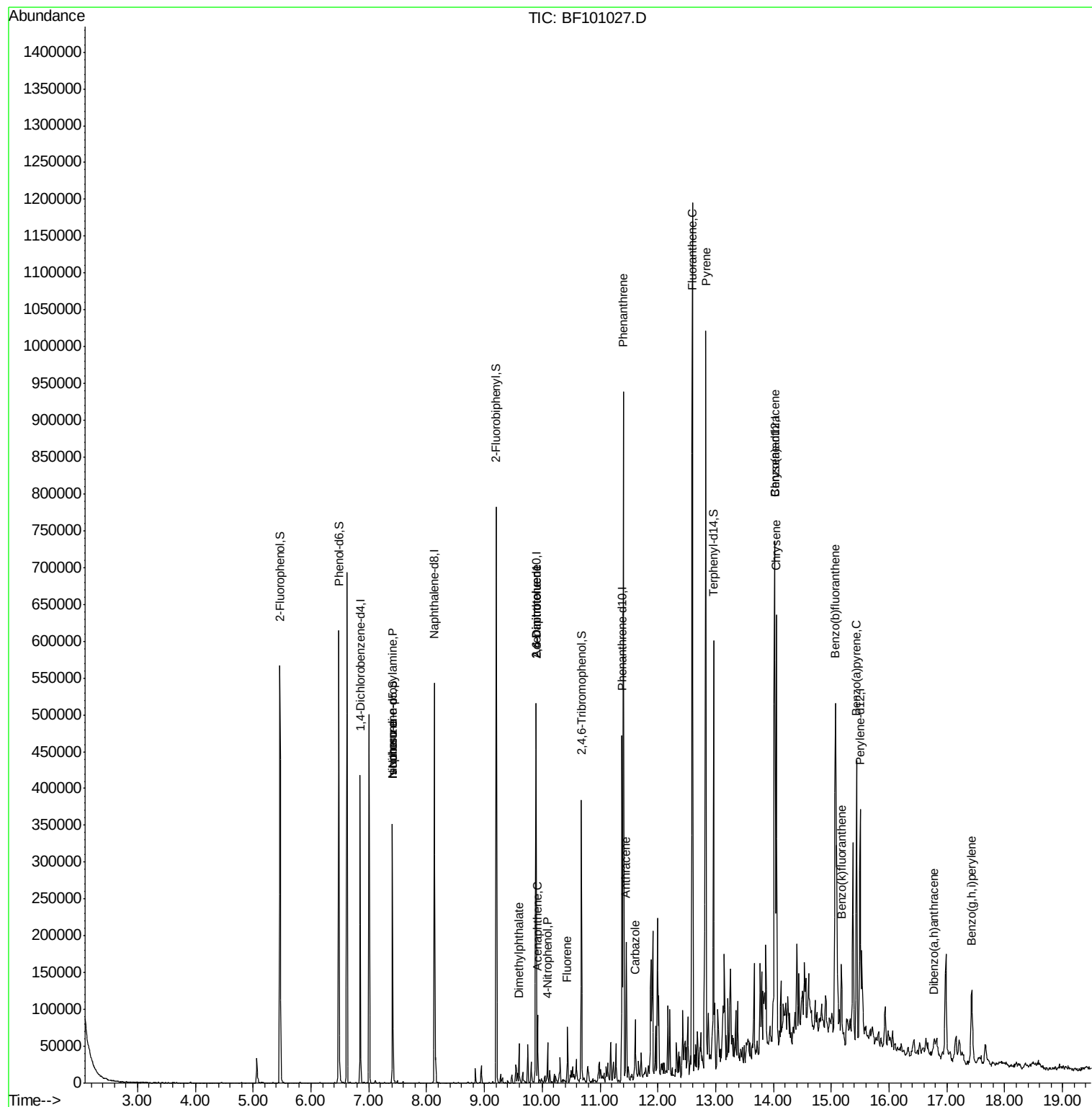
|                                |       |     |        |        |    | Qvalue |
|--------------------------------|-------|-----|--------|--------|----|--------|
| 19) n-Nitroso-di-n-propylamine | 7.41  | 70  | 14501  | 5.100  | ng | # 81   |
| 25) Isophorone                 | 7.41  | 82  | 114602 | 17.991 | ng | # 64   |
| 49) Dimethylphthalate          | 9.60  | 163 | 19499  | 2.387  | ng | 99     |
| 50) 2,6-Dinitrotoluene         | 9.89  | 165 | 13733  | 7.982  | ng | # 24   |
| 51) Acenaphthene               | 9.92  | 154 | 17724  | 2.733  | ng | 99     |
| 55) 4-Nitrophenol              | 10.09 | 139 | 6160   | 4.721  | ng | # 9    |
| 56) 2,4-Dinitrotoluene         | 9.89  | 165 | 13733  | 5.956  | ng | # 21   |
| 57) Fluorene                   | 10.43 | 166 | 21545  | 2.836  | ng | 99     |
| 70) Phenanthrene               | 11.40 | 178 | 336896 | 36.755 | ng | 97     |
| 71) Anthracene                 | 11.46 | 178 | 75013  | 8.086  | ng | 99     |
| 72) Carbazole                  | 11.61 | 167 | 29492  | 3.479  | ng | 99     |
| 74) Fluoranthene               | 12.60 | 202 | 468263 | 46.087 | ng | 95     |
| 77) Pyrene                     | 12.83 | 202 | 419068 | 46.088 | ng | 99     |
| 80) Benzo(a)anthracene         | 14.02 | 228 | 221749 | 26.653 | ng | 97     |
| 82) Chrysene                   | 14.05 | 228 | 215835 | 27.933 | ng | 97     |
| 87) Benzo(b)fluoranthene       | 15.07 | 252 | 342394 | 41.547 | ng | 97     |
| 88) Benzo(k)fluoranthene       | 15.17 | 252 | 40430  | 4.979  | ng | 95     |
| 89) Benzo(a)pyrene             | 15.44 | 252 | 177482 | 23.689 | ng | 97     |
| 90) Dibenzo(a,h)anthracene     | 16.79 | 278 | 17930  | 2.715  | ng | 95     |
| 91) Benzo(a,h,i)perylene       | 17.43 | 276 | 83153  | 13.358 | ng | # 91   |

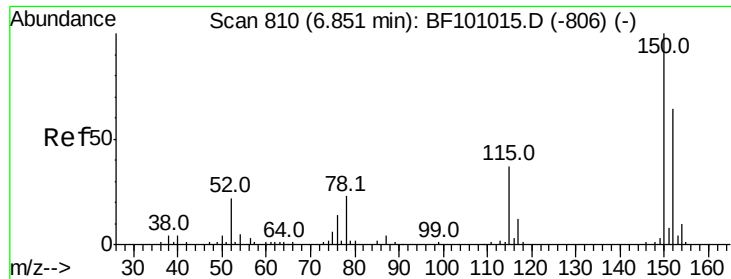
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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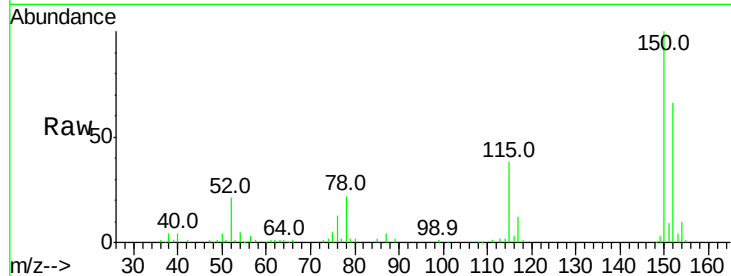


#1

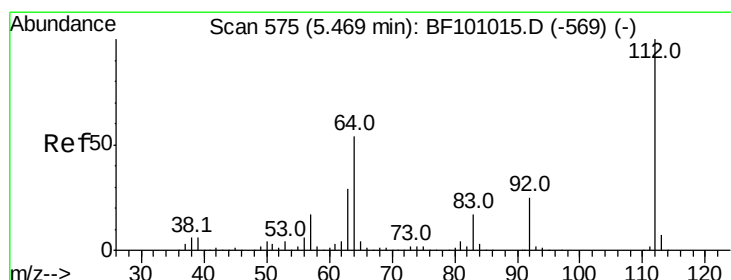
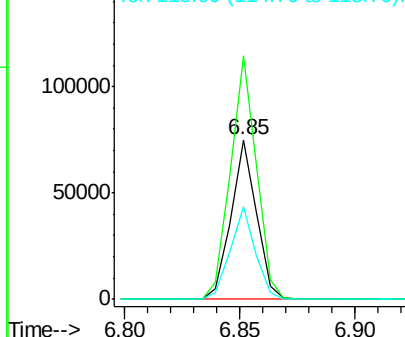
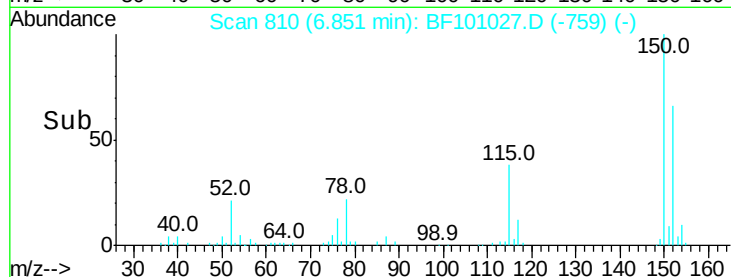
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.85 min Scan# 810  
Delta R.T. 0.00 min  
Lab File: BF101027.D  
Acq: 30 Nov 2017 19:44

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:152 Resp: 57460  
Ion Ratio Lower Upper  
152 100  
150 152.6 124.6 186.8  
115 57.9 50.1 75.1



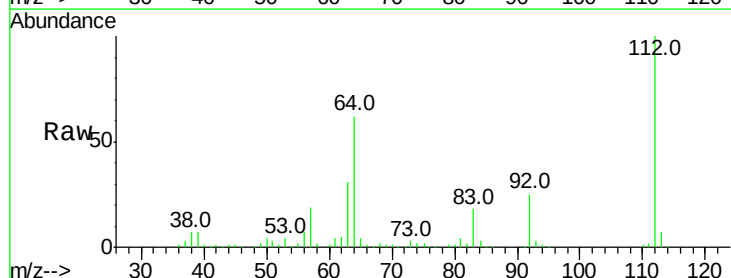
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



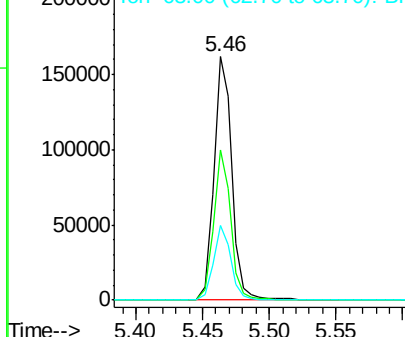
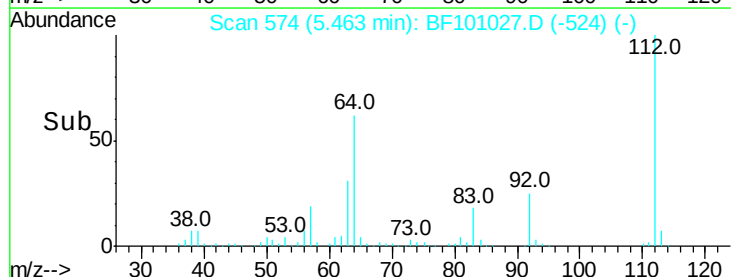
#5

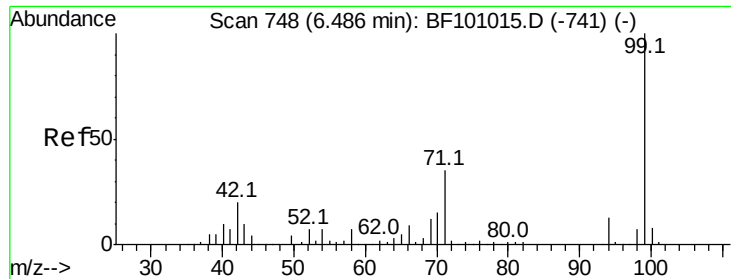
2-Fluorophenol  
Concen: 44.011 ng  
RT: 5.46 min Scan# 574  
Delta R.T. -0.00 min  
Lab File: BF101027.D  
Acq: 30 Nov 2017 19:44

Tgt Ion:112 Resp: 153040  
Ion Ratio Lower Upper  
112 100  
64 61.6 47.9 71.9  
63 30.9 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: 44.012 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF101027.D

Acq: 30 Nov 2017 19:44

Instrument :

BNA\_F

ClientSampled :

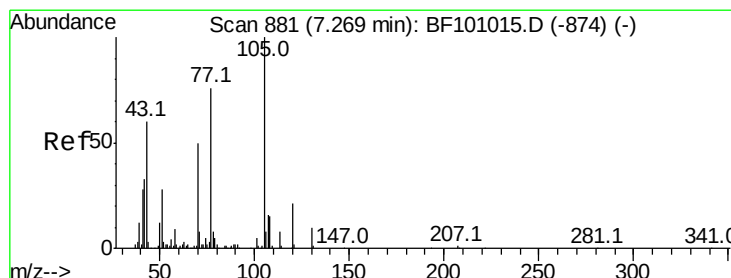
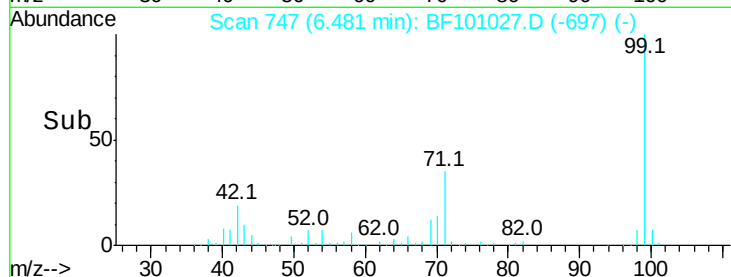
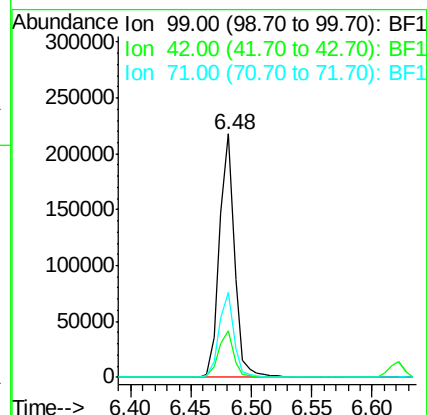
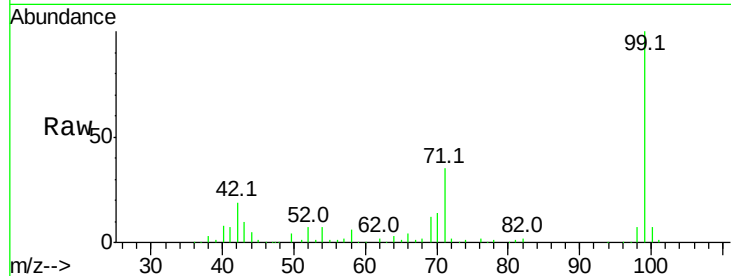
Tot Ion: 99 Resp: 185807

Ion Ratio Lower Upper

99 100

42 19.3 14.5 21.7

71 34.7 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 5.100 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.14 min

Lab File: BF101027.D

Acq: 30 Nov 2017 19:44

Tgt Ion: 70 Resp: 14501

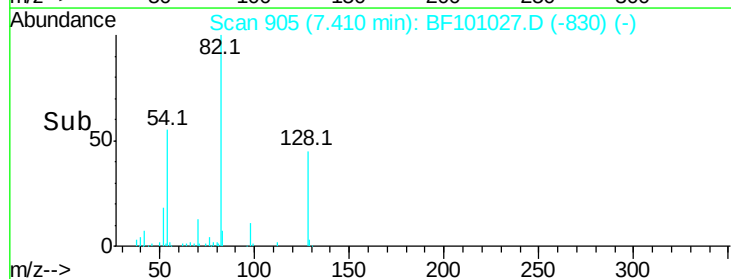
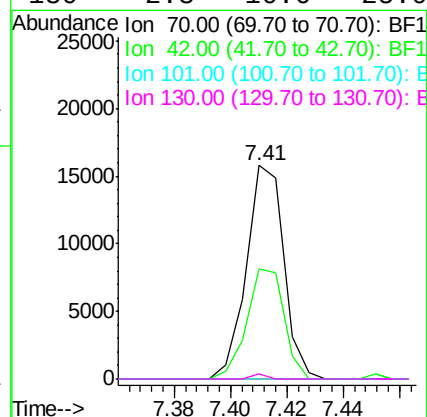
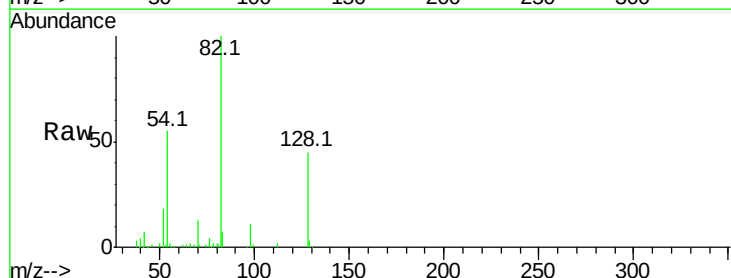
Ion Ratio Lower Upper

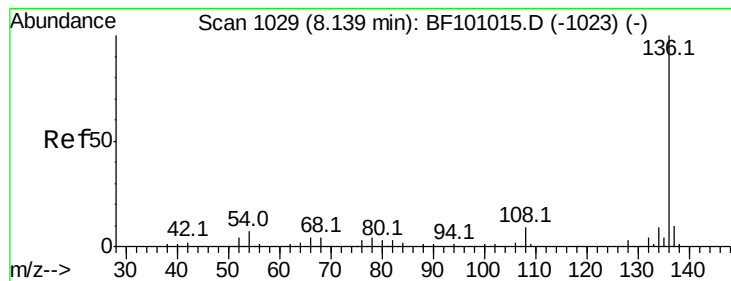
70 100

42 51.8 47.5 71.3

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1028

Delta R.T. -0.01 min

Lab File: BF101027.D

Acq: 30 Nov 2017 19:44

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:136 Resp: 222456

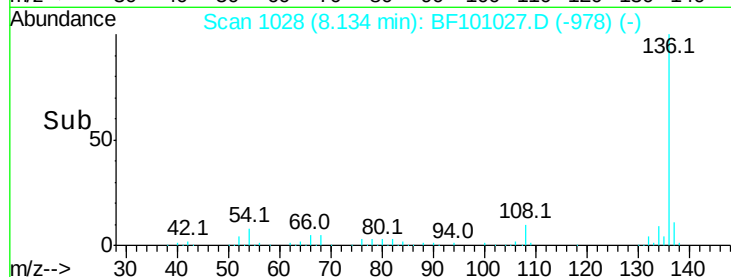
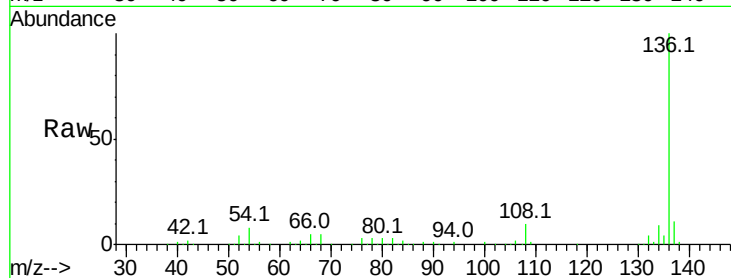
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 7.7 6.6 9.8

68 5.0 5.0 7.4

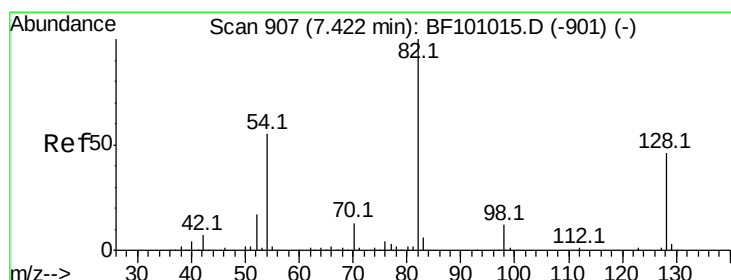
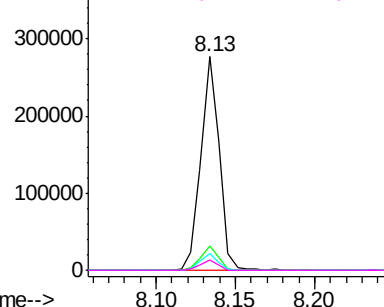


Abundance Ion 136.00 (135.70 to 136.70): E

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: 30.732 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.01 min

Lab File: BF101027.D

Acq: 30 Nov 2017 19:44

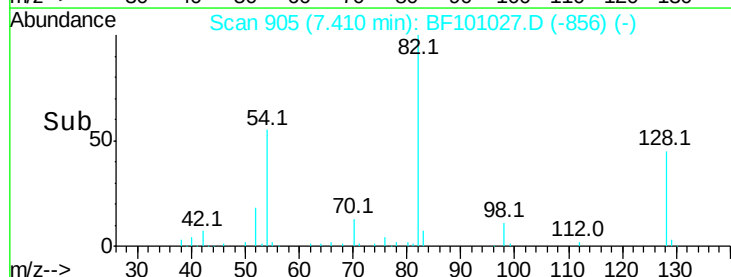
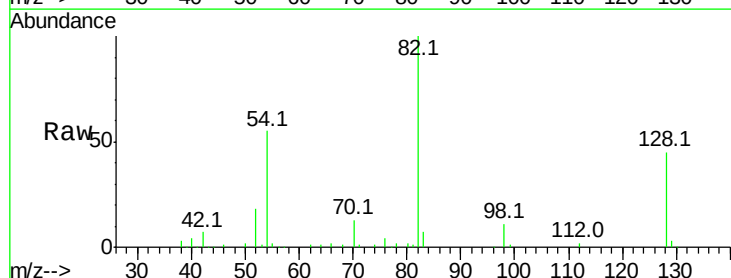
Tgt Ion: 82 Resp: 114603

Ion Ratio Lower Upper

82 100

128 44.9 36.1 54.1

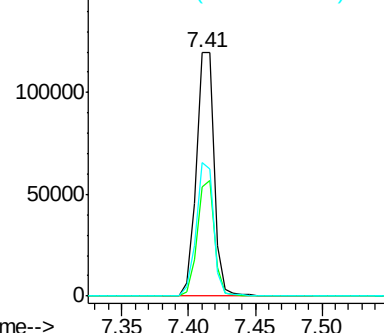
54 55.1 41.4 62.2

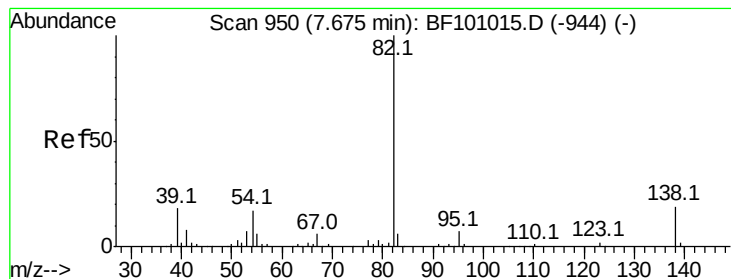


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 17.991 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF101027.D

Acq: 30 Nov 2017 19:44

Instrument :

BNA\_F

ClientSampleId :

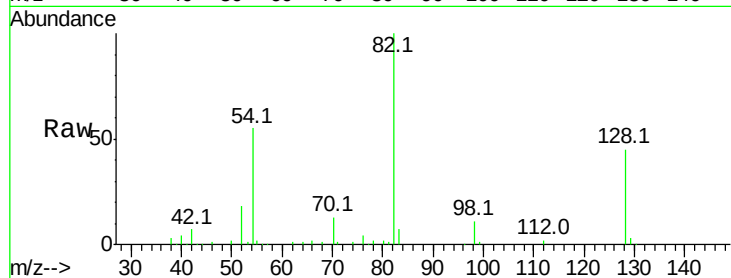
Tot Ion: 82 Resp: 114602

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

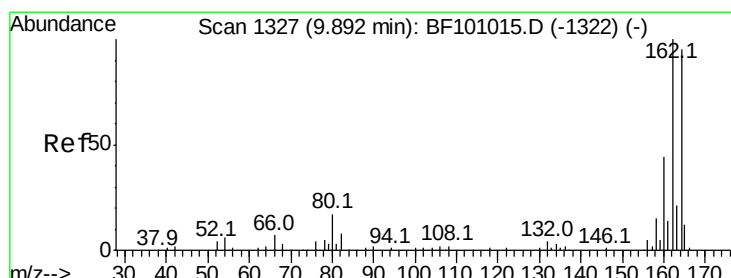
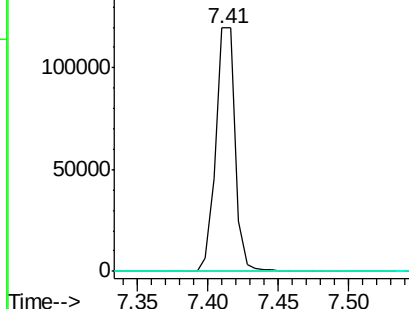
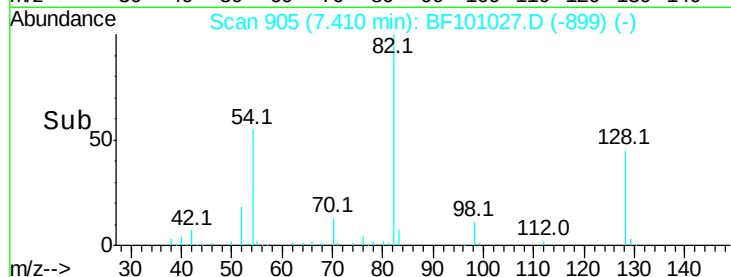
138 0.0 14.9 22.3#



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: 9.89 min Scan# 1327

Delta R.T. 0.00 min

Lab File: BF101027.D

Acq: 30 Nov 2017 19:44

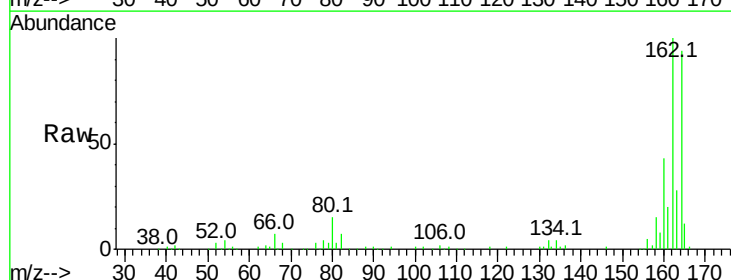
Tgt Ion:164 Resp: 101287

Ion Ratio Lower Upper

164 100

162 106.6 86.1 129.1

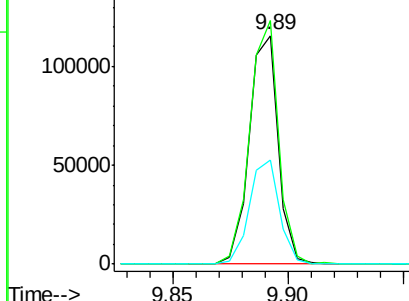
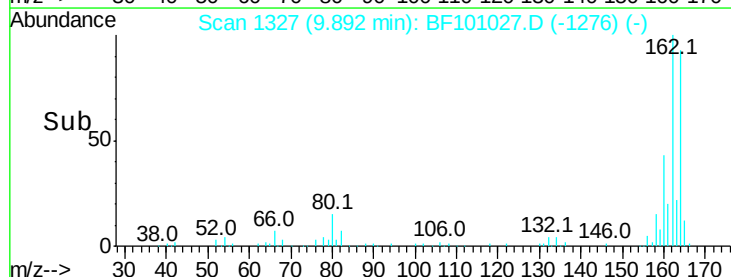
160 45.4 38.3 57.5

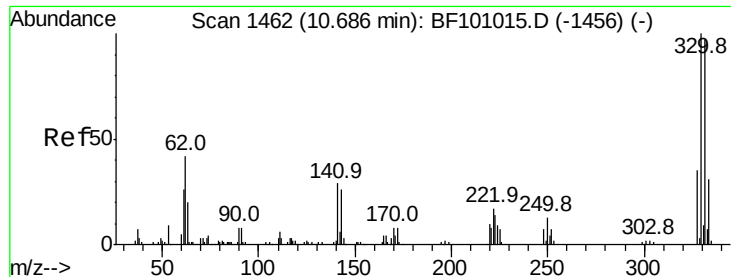


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

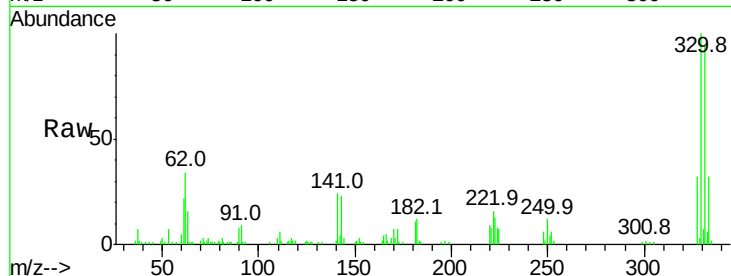




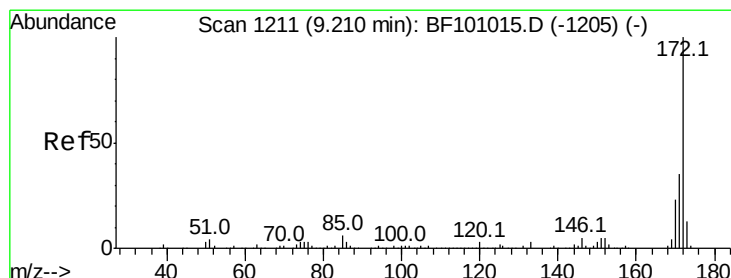
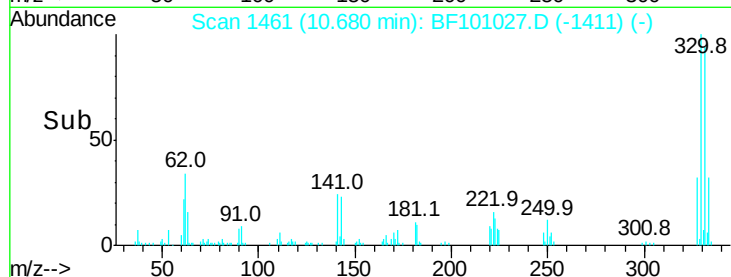
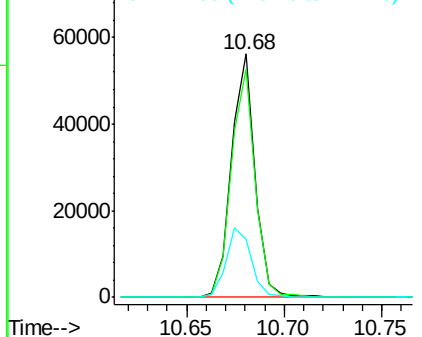
#41  
 2,4,6-Tribromophenol  
 Concen: 38.574 ng  
 RT: 10.68 min Scan# 1461  
 Delta R.T. -0.01 min  
 Lab File: BF101027.D  
 Acq: 30 Nov 2017 19:44

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.0  | 77.0  | 115.6 |
| 141     | 30.9  | 29.9  | 44.9  |

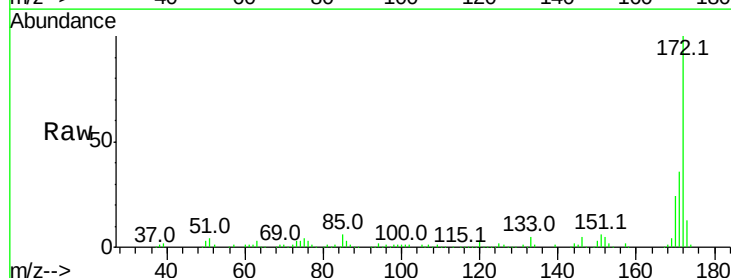


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

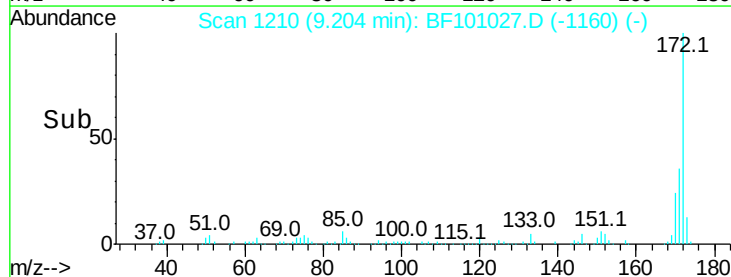
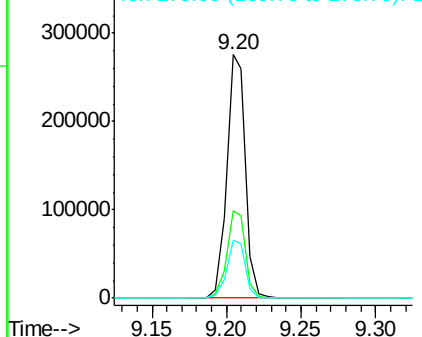


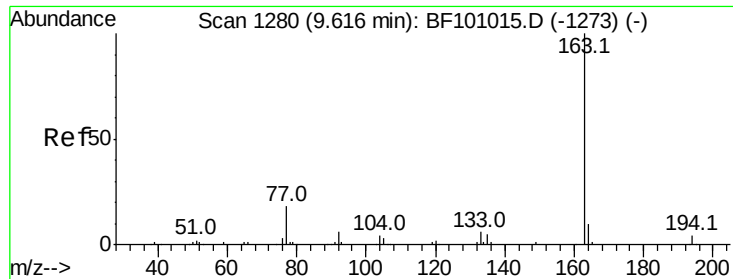
#44  
 2-Fluorobiphenyl  
 Concen: 33.006 ng  
 RT: 9.20 min Scan# 1210  
 Delta R.T. -0.01 min  
 Lab File: BF101027.D  
 Acq: 30 Nov 2017 19:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.1  | 29.7  | 44.5  |
| 170     | 23.6  | 19.6  | 29.4  |



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

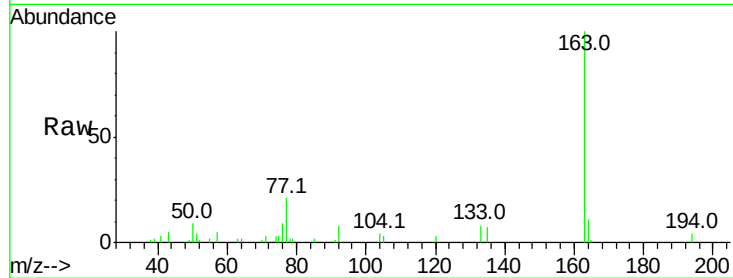




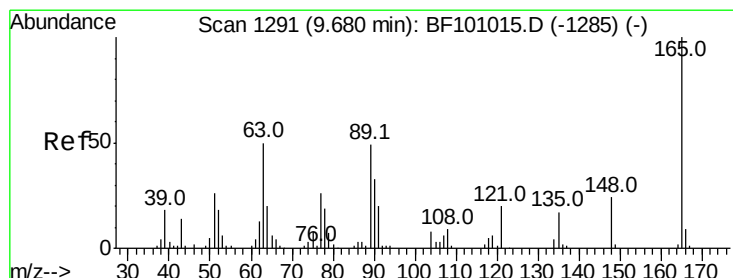
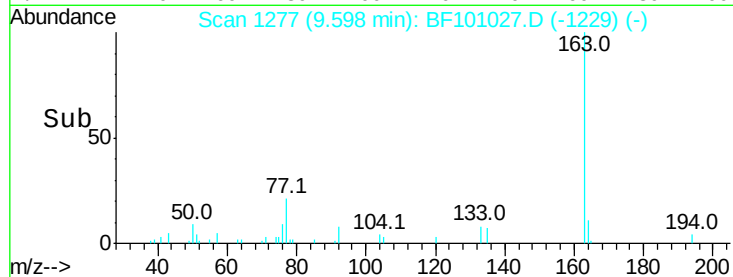
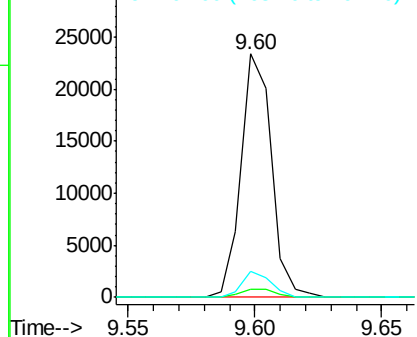
#49  
Dimethylphthalate  
Concen: 2.387 ng  
RT: 9.60 min Scan# 1277  
Delta R.T. -0.02 min  
Lab File: BF101027.D  
Acq: 30 Nov 2017 19:44

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:163 Resp: 19499  
Ion Ratio Lower Upper  
163 100  
194 3.6 2.7 4.1  
164 10.5 8.2 12.2

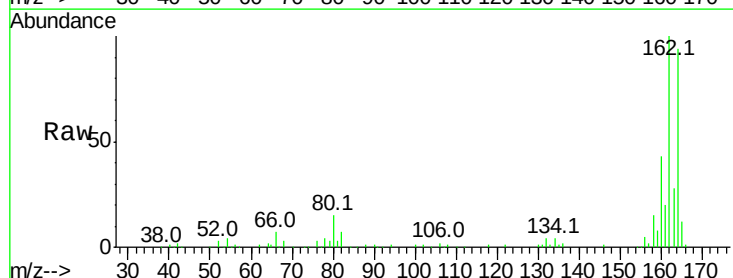


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

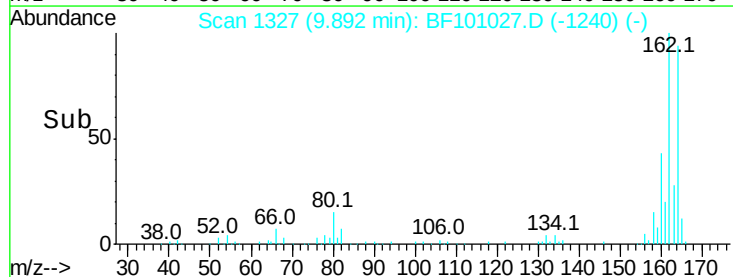
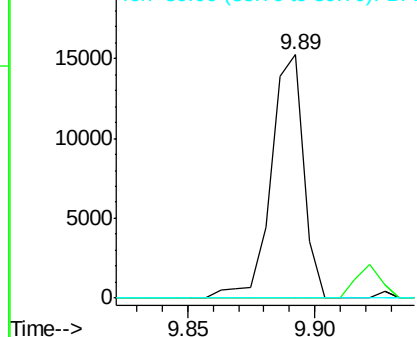


#50  
2,6-Dinitrotoluene  
Concen: 7.982 ng  
RT: 9.89 min Scan# 1327  
Delta R.T. 0.21 min  
Lab File: BF101027.D  
Acq: 30 Nov 2017 19:44

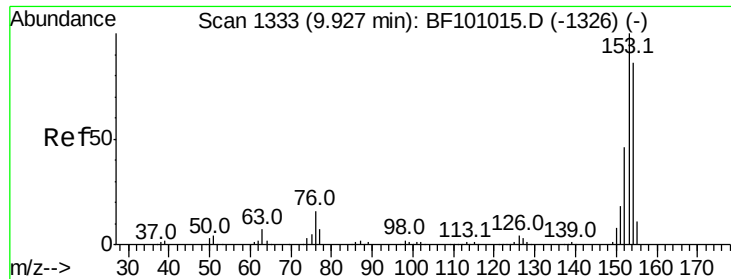
Tgt Ion:165 Resp: 13733  
Ion Ratio Lower Upper  
165 100  
63 0.0 44.7 67.1#  
89 0.0 44.0 66.0#



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







#51

Acenaphthene

Concen: 2.733 ng

RT: 9.92 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BF101027.D

Acq: 30 Nov 2017 19:44

Instrument :

BNA\_F

ClientSampleId :

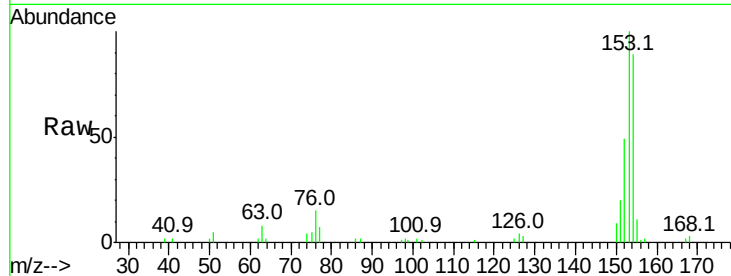
Tot Ion:154 Resp: 17724

Ion Ratio Lower Upper

154 100

153 112.1 91.2 136.8

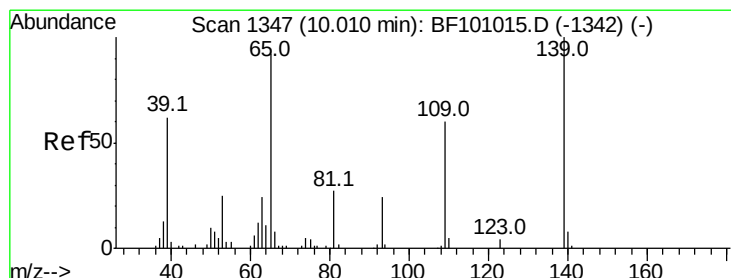
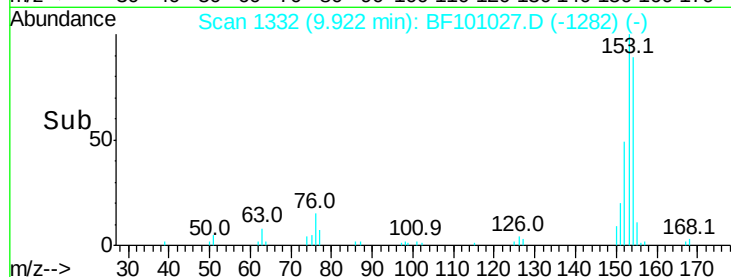
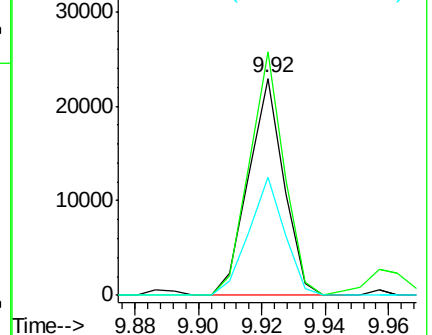
152 54.4 43.8 65.8



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

4-Nitrophenol

Concen: 4.721 ng

RT: 10.09 min Scan# 1361

Delta R.T. 0.08 min

Lab File: BF101027.D

Acq: 30 Nov 2017 19:44

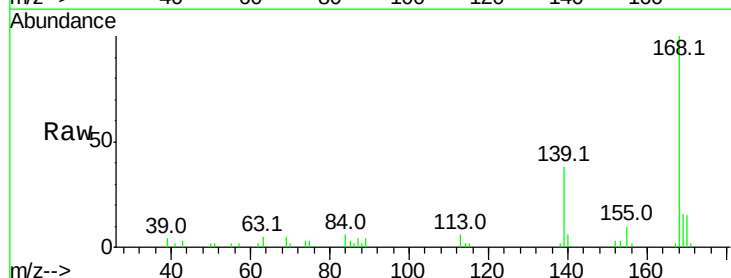
Tgt Ion:139 Resp: 6160

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

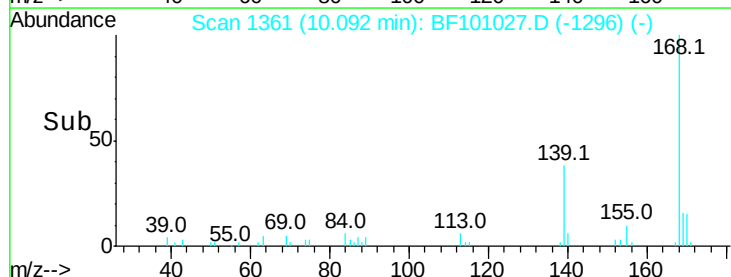
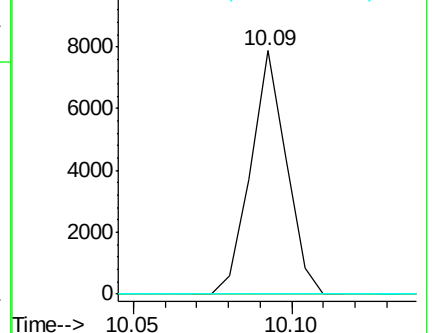
65 0.0 72.6 112.6#

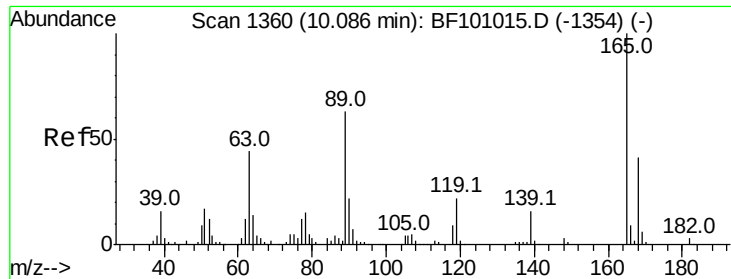


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

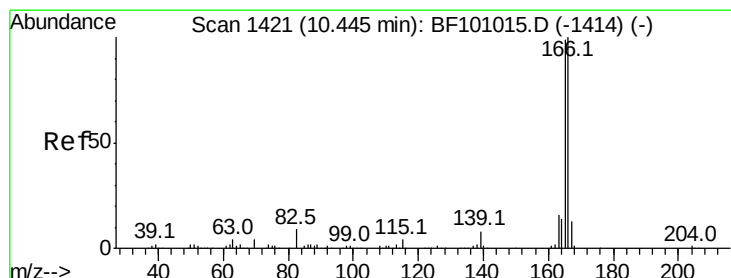
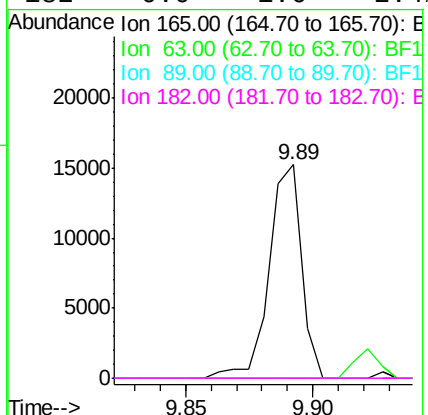
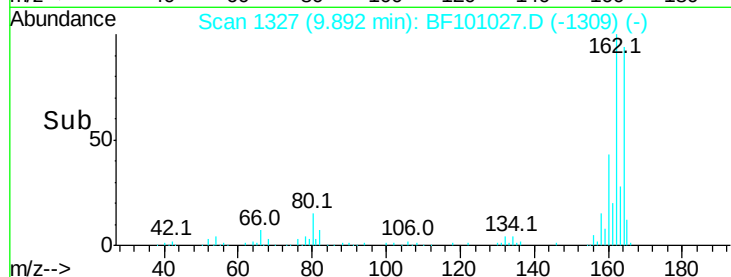
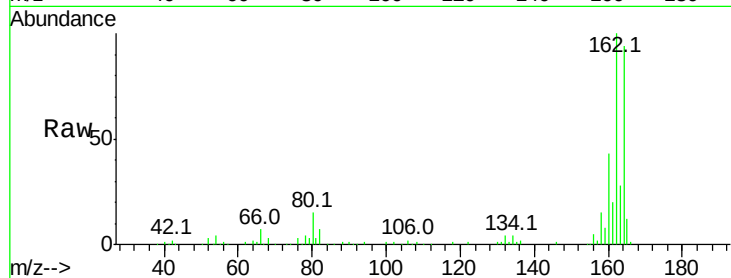




#56  
2,4-Dinitrotoluene  
Concen: 5.956 ng  
RT: 9.89 min Scan# 1327  
Delta R.T. -0.19 min  
Lab File: BF101027.D  
Acq: 30 Nov 2017 19:44

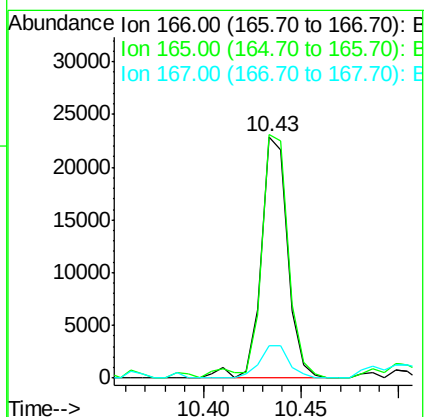
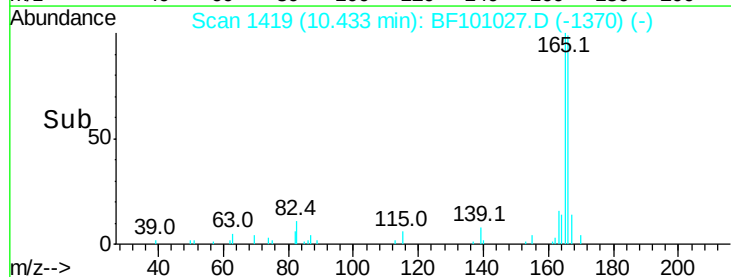
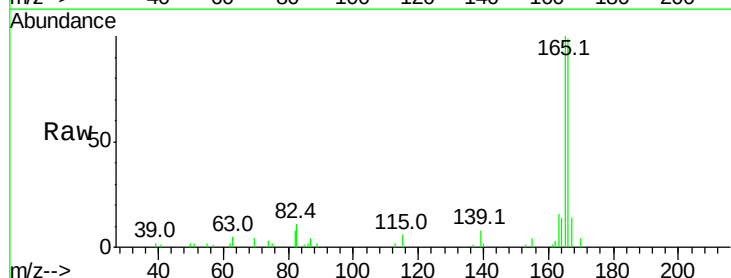
Instrument :  
BNA\_F  
ClientSampleId :

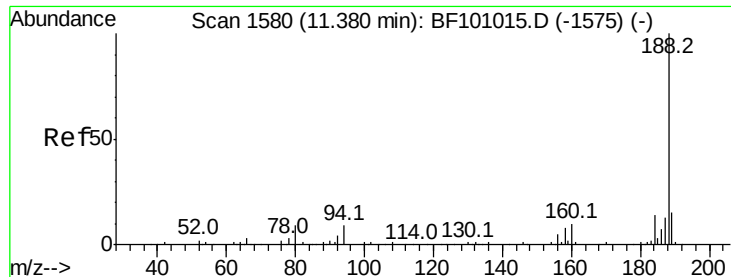
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.0   | 36.4  | 54.6# |
| 89      | 0.0   | 57.8  | 86.6# |
| 182     | 0.0   | 1.6   | 2.4#  |



#57  
Fluorene  
Concen: 2.836 ng  
RT: 10.43 min Scan# 1419  
Delta R.T. -0.01 min  
Lab File: BF101027.D  
Acq: 30 Nov 2017 19:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 100.9 | 79.8  | 119.8 |
| 167     | 13.7  | 10.6  | 16.0  |





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.38 min Scan# 1580

Delta R.T. 0.00 min

Lab File: BF101027.D

Acq: 30 Nov 2017 19:44

Instrument :

BNA\_F

ClientSampled :

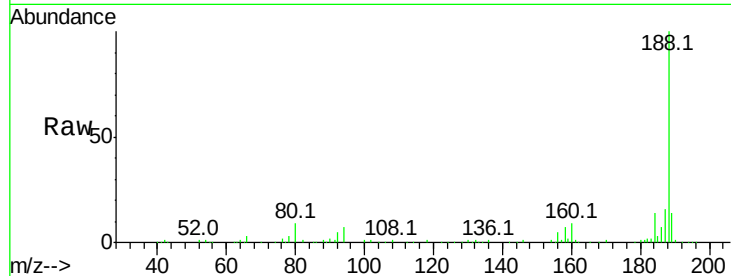
Tot Ion:188 Resp: 166444

Ion Ratio Lower Upper

188 100

94 7.2 8.5 12.7#

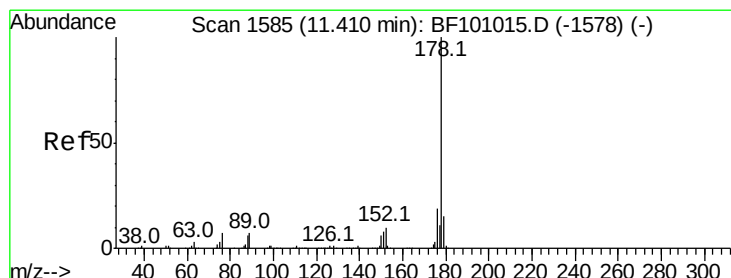
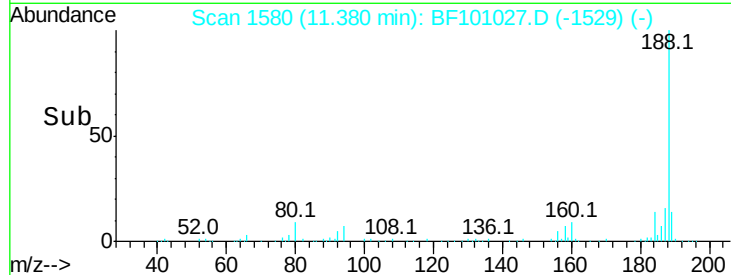
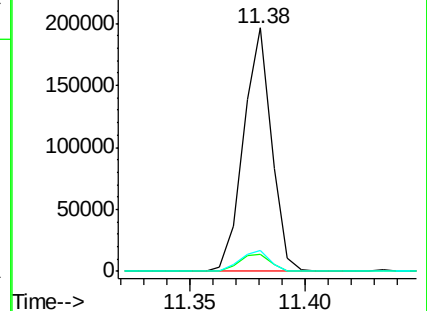
80 8.6 9.2 13.8#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#70

Phenanthrene

Concen: 36.755 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF101027.D

Acq: 30 Nov 2017 19:44

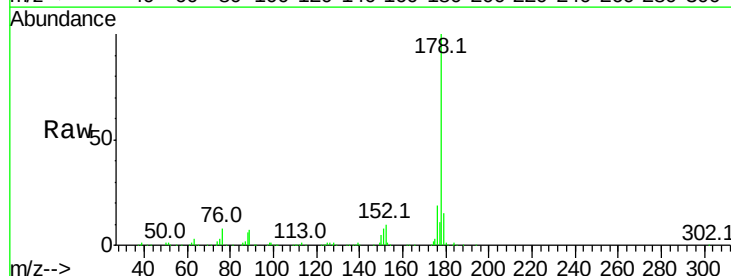
Tgt Ion:178 Resp: 336896

Ion Ratio Lower Upper

178 100

176 18.8 15.8 23.8

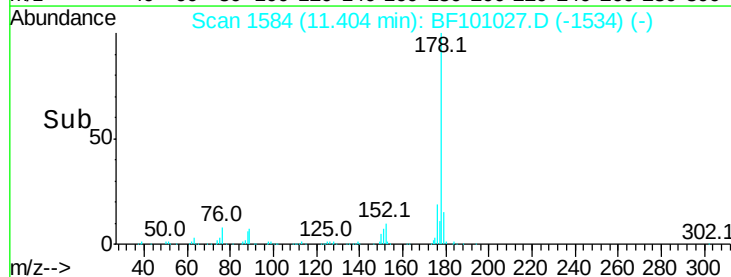
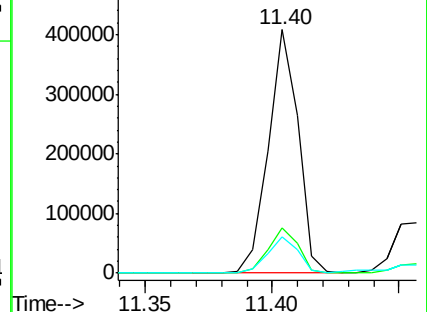
179 15.1 13.0 19.6

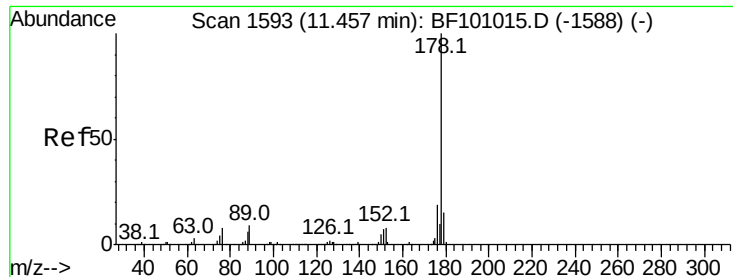


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

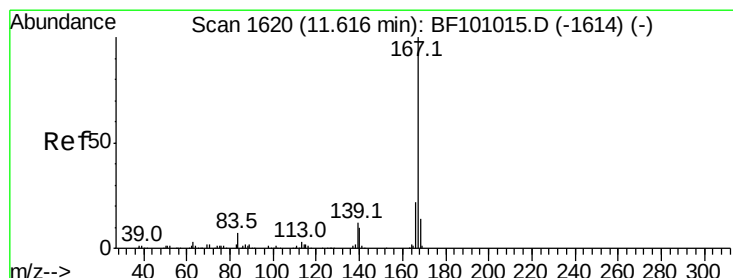
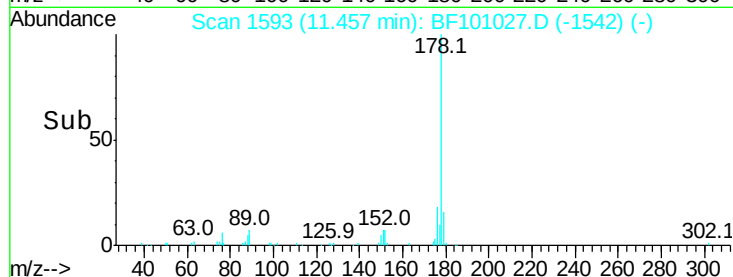
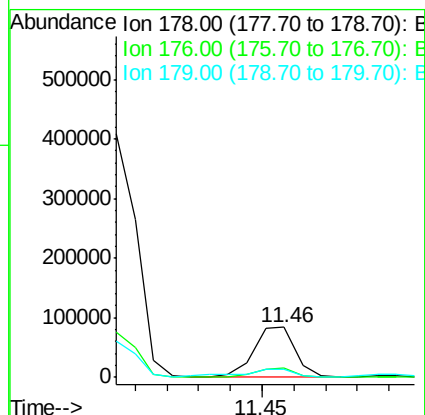
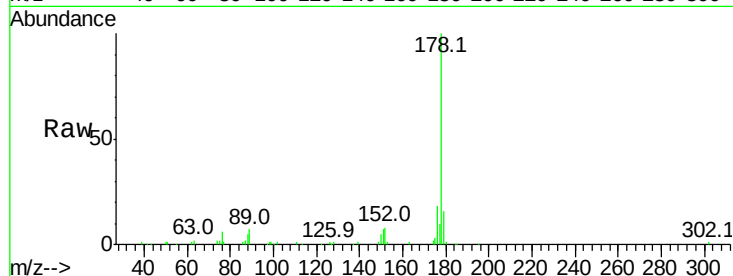




#71  
 Anthracene  
 Concen: 8.086 ng  
 RT: 11.46 min Scan# 1593  
 Delta R.T. 0.00 min  
 Lab File: BF101027.D  
 Acq: 30 Nov 2017 19:44

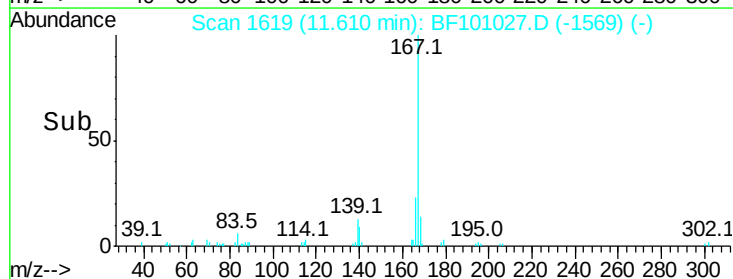
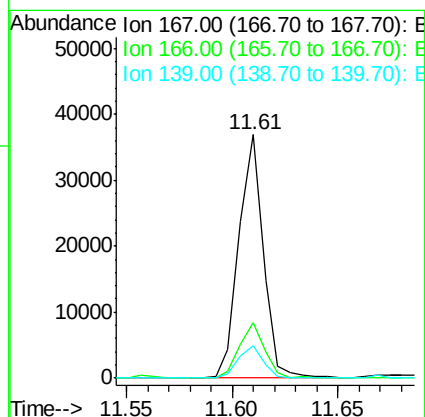
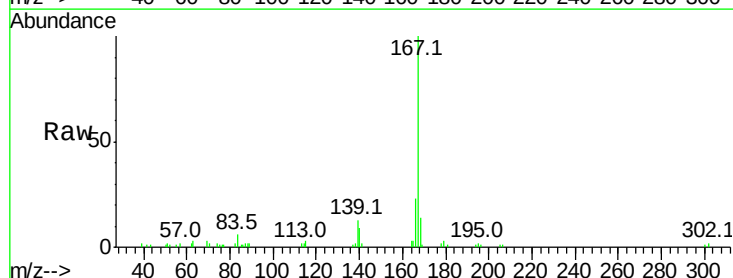
Instrument :  
 BNA\_F  
 ClientSampleId :

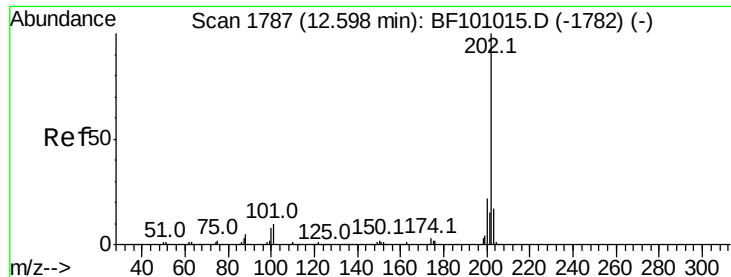
Tot Ion:178 Resp: 75013  
 Ion Ratio Lower Upper  
 178 100  
 176 18.3 15.4 23.2  
 179 15.6 12.6 19.0



#72  
 Carbazole  
 Concen: 3.479 ng  
 RT: 11.61 min Scan# 1619  
 Delta R.T. -0.01 min  
 Lab File: BF101027.D  
 Acq: 30 Nov 2017 19:44

Tgt Ion:167 Resp: 29492  
 Ion Ratio Lower Upper  
 167 100  
 166 22.8 17.6 26.4  
 139 13.3 10.9 16.3





#74

Fluoranthene

Concen: 46.087 ng

RT: 12.60 min Scan# 1787

Delta R.T. 0.00 min

Lab File: BF101027.D

Acq: 30 Nov 2017 19:44

Instrument :

BNA\_F

ClientSampleId :

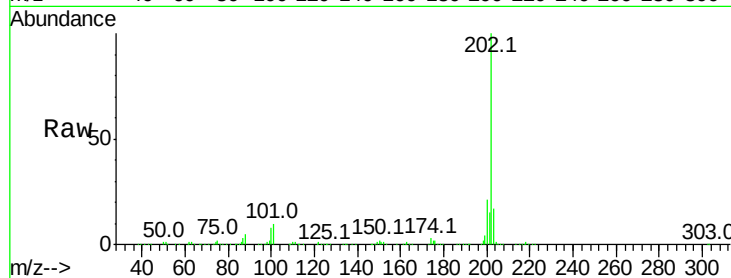
Tot Ion:202 Resp: 468263

Ion Ratio Lower Upper

202 100

101 10.3 0.0 34.1

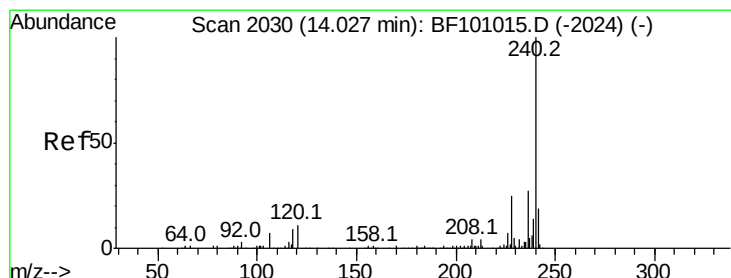
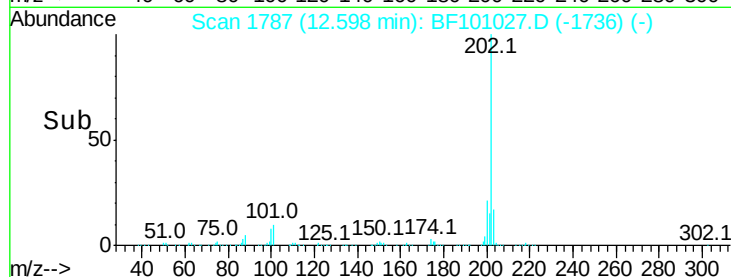
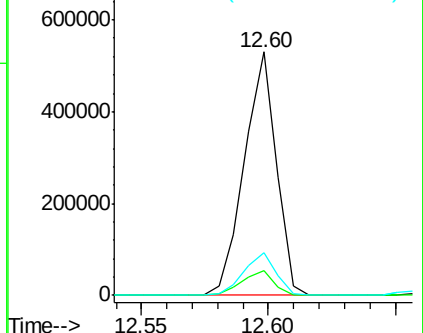
203 17.5 0.0 38.1



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: 14.03 min Scan# 2030

Delta R.T. 0.00 min

Lab File: BF101027.D

Acq: 30 Nov 2017 19:44

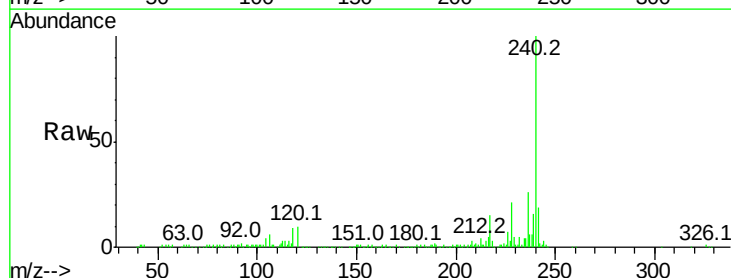
Tgt Ion:240 Resp: 131773

Ion Ratio Lower Upper

240 100

120 9.8 9.5 14.3

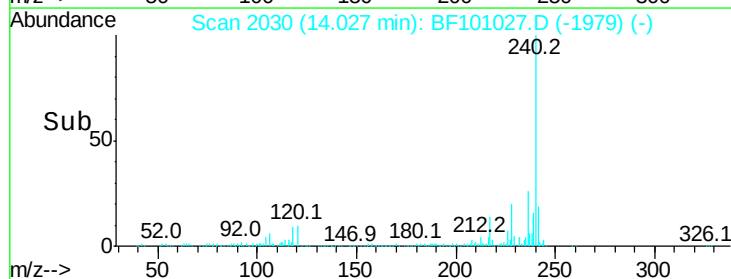
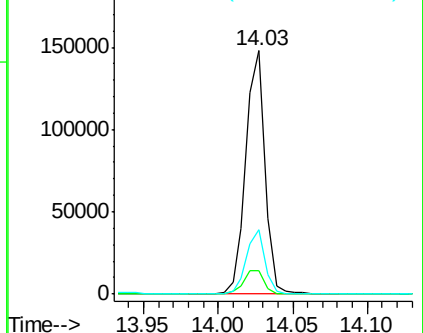
236 26.2 20.7 31.1

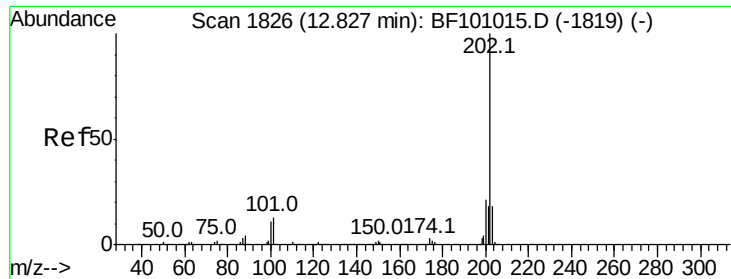


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

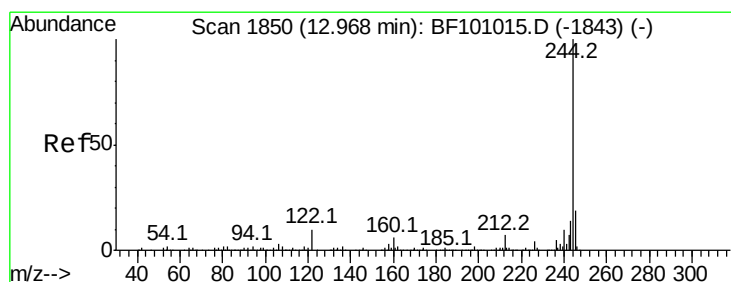
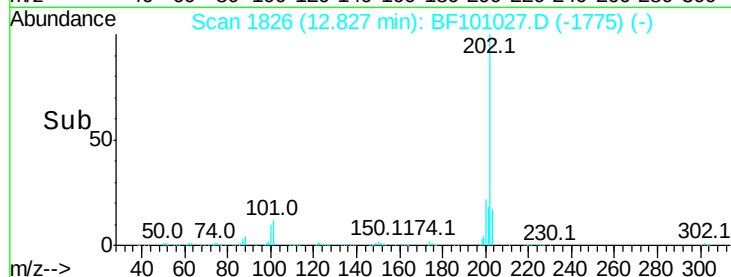
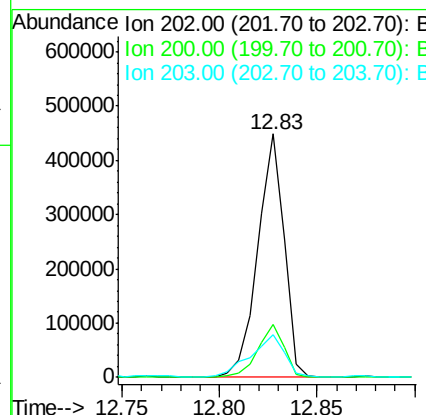
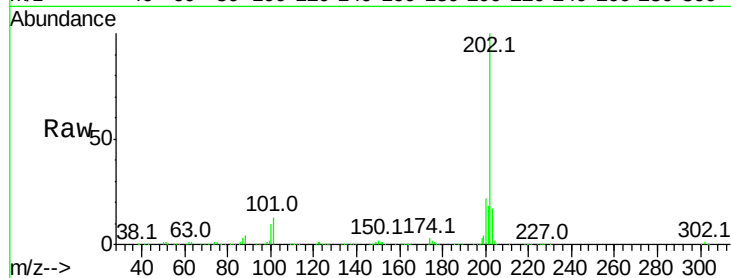




#77  
Pvrene  
Concen: 46.088 ng  
RT: 12.83 min Scan# 1826  
Delta R.T. 0.00 min  
Lab File: BF101027.D  
Acq: 30 Nov 2017 19:44

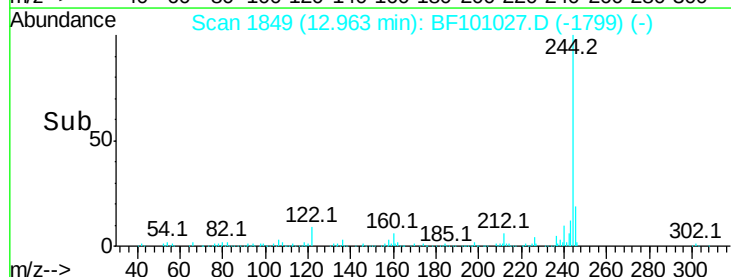
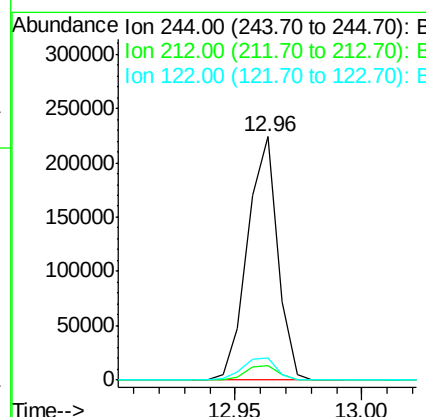
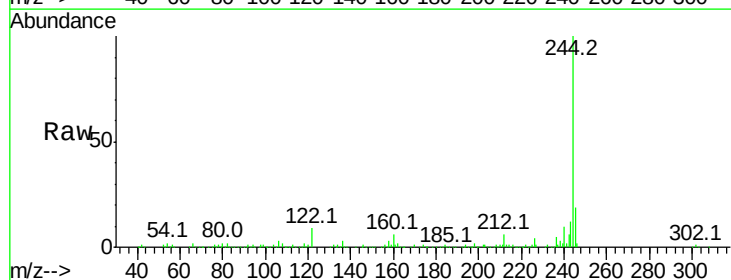
Instrument :  
BNA\_F  
ClientSampleId :

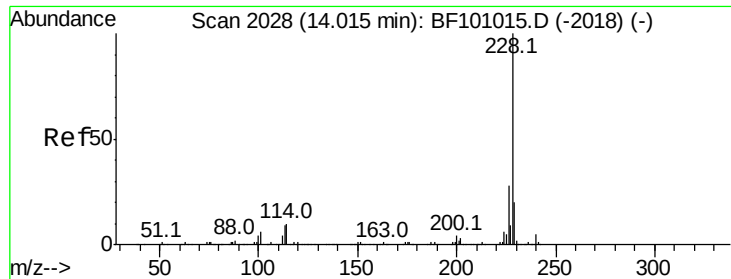
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 21.5  | 17.4  | 26.2  |
| 203     | 17.5  | 14.3  | 21.5  |



#78  
Terphenyl-d14  
Concen: 30.745 ng  
RT: 12.96 min Scan# 1849  
Delta R.T. -0.01 min  
Lab File: BF101027.D  
Acq: 30 Nov 2017 19:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 6.2   | 5.4   | 8.0   |
| 122     | 8.9   | 11.0  | 16.4  |

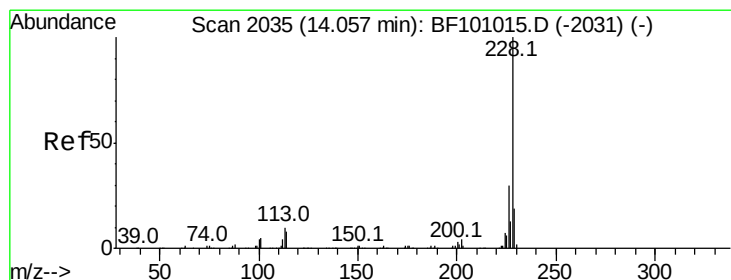
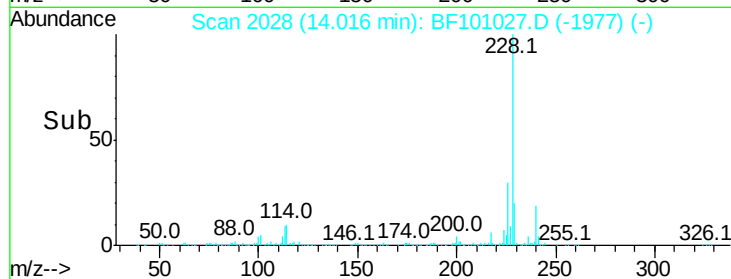
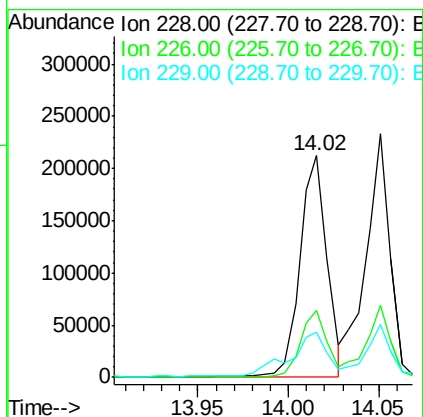
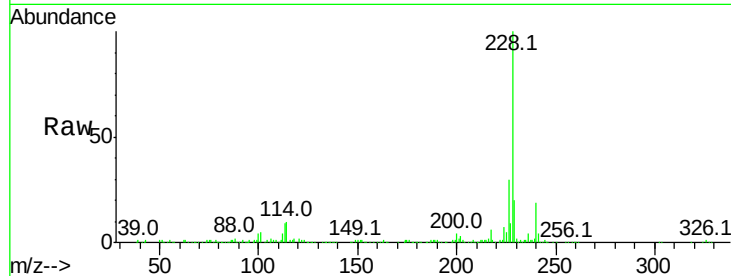




#80  
Benzo(a)anthracene  
Concen: 26.653 ng  
RT: 14.02 min Scan# 2028  
Delta R.T. 0.00 min  
Lab File: BF101027.D  
Acq: 30 Nov 2017 19:44

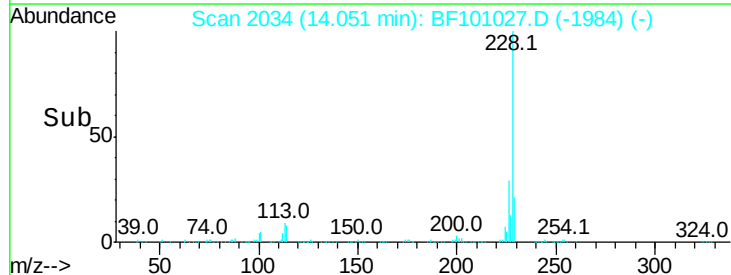
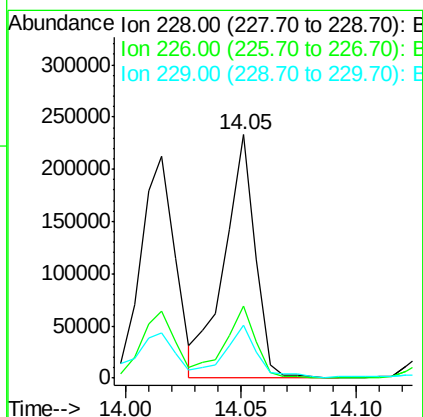
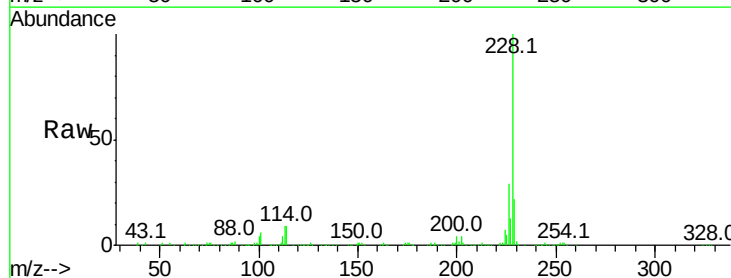
Instrument :  
BNA\_F  
ClientSampleId :

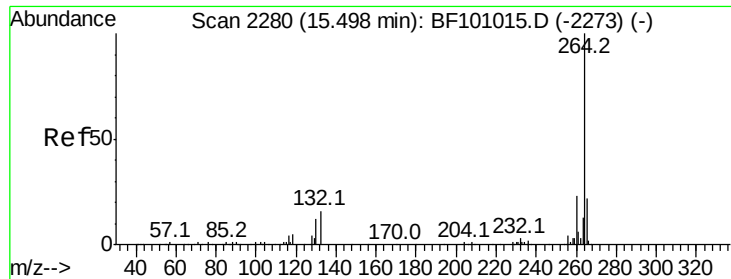
Tot Ion:228 Resp: 221749  
Ion Ratio Lower Upper  
228 100  
226 30.4 22.6 33.8  
229 20.4 15.8 23.6



#82  
Chrysene  
Concen: 27.933 ng  
RT: 14.05 min Scan# 2034  
Delta R.T. -0.01 min  
Lab File: BF101027.D  
Acq: 30 Nov 2017 19:44

Tgt Ion:228 Resp: 215835  
Ion Ratio Lower Upper  
228 100  
226 29.4 25.0 37.6  
229 21.6 16.2 24.4

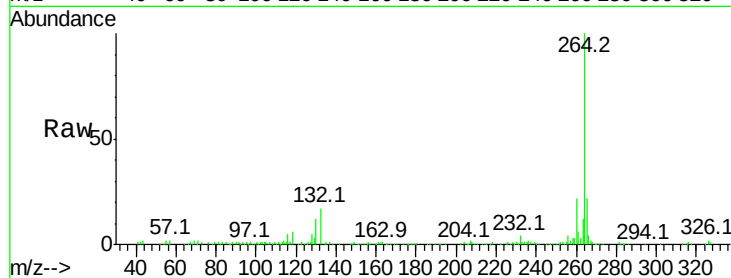




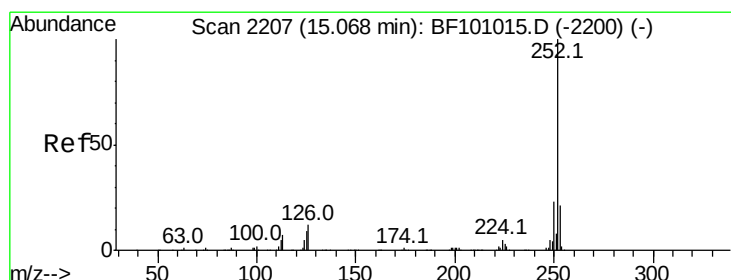
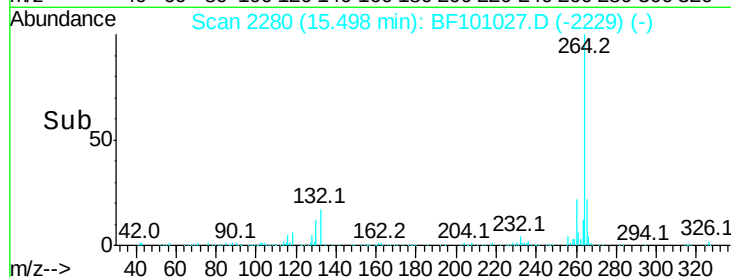
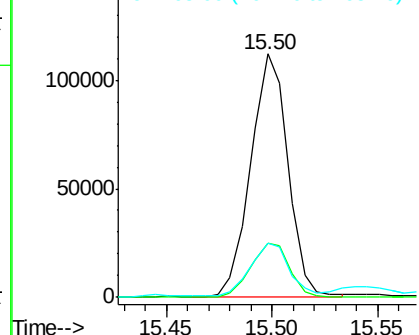
#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.50 min Scan# 2280  
Delta R.T. 0.00 min  
Lab File: BF101027.D  
Acq: 30 Nov 2017 19:44

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:264 Resp: 137589  
Ion Ratio Lower Upper  
264 100  
260 22.3 19.2 28.8  
265 22.3 17.5 26.3

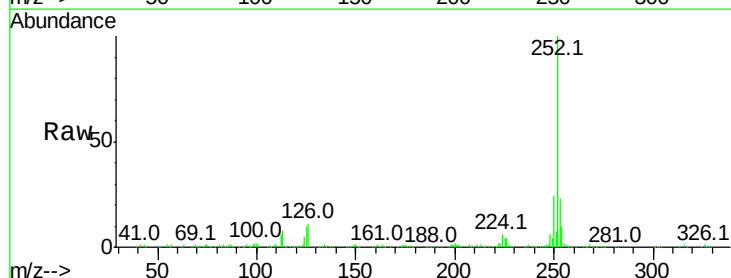


Abundance Ion 264.00 (263.70 to 264.70): E  
Ion 260.00 (259.70 to 260.70): E  
Ion 265.00 (264.70 to 265.70): E

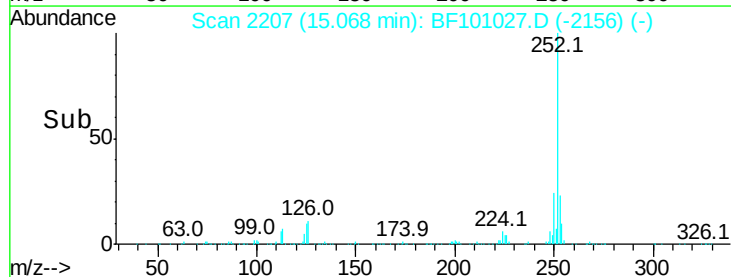
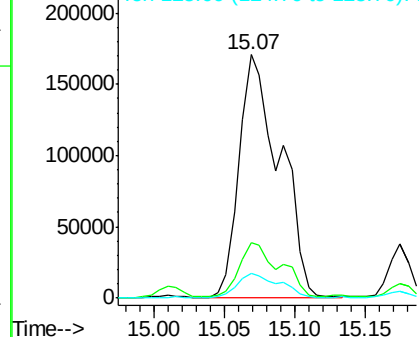


#87  
Benzo(b)fluoranthene  
Concen: 41.547 ng  
RT: 15.07 min Scan# 2207  
Delta R.T. 0.00 min  
Lab File: BF101027.D  
Acq: 30 Nov 2017 19:44

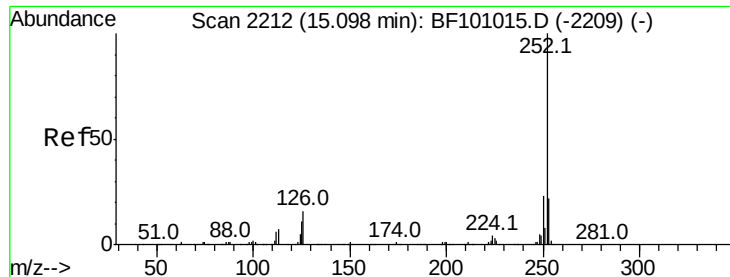
Tgt Ion:252 Resp: 342394  
Ion Ratio Lower Upper  
252 100  
253 23.0 17.0 25.6  
125 10.1 9.0 13.6



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



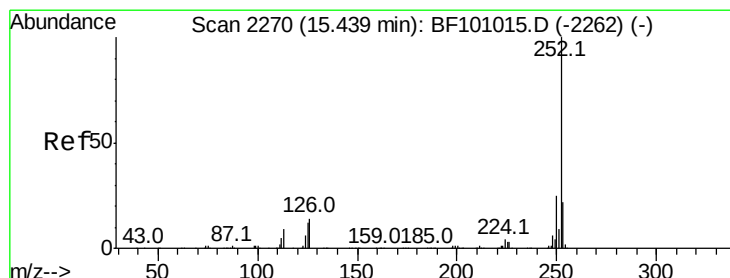
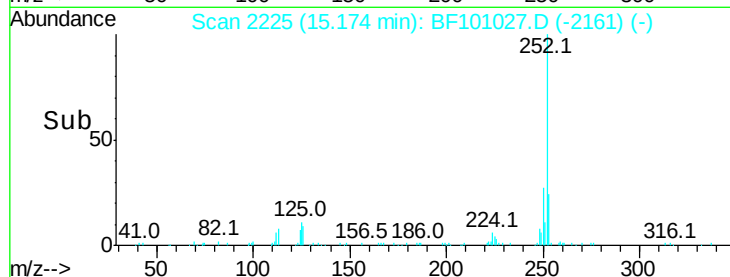
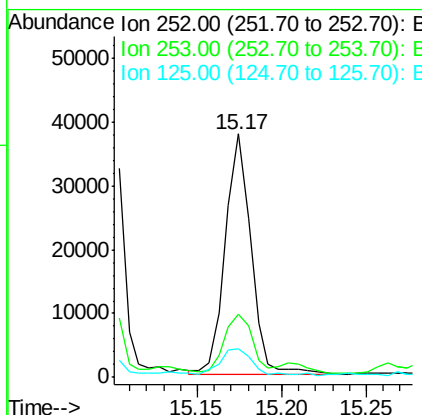
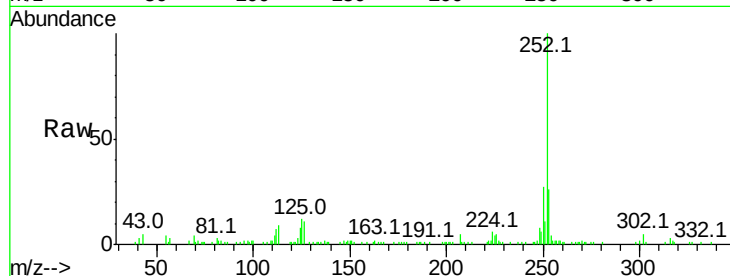




#88  
Benzo(k)fluoranthene  
Concen: 4.979 ng  
RT: 15.17 min Scan# 2225  
Delta R.T. 0.08 min  
Lab File: BF101027.D  
Acq: 30 Nov 2017 19:44

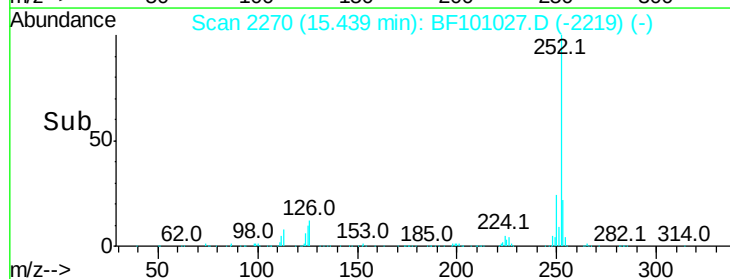
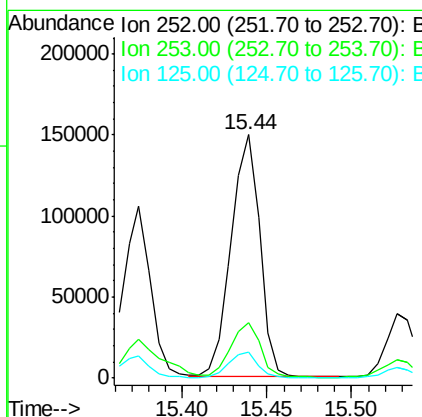
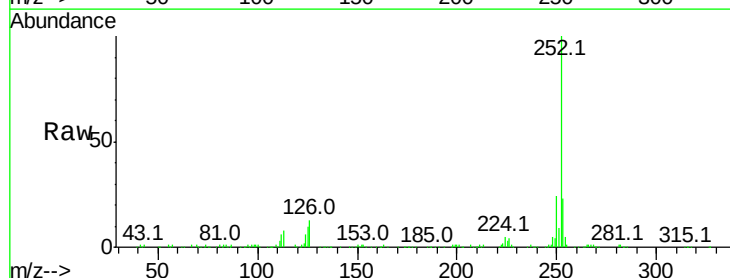
Instrument :  
BNA\_F  
ClientSampleId :

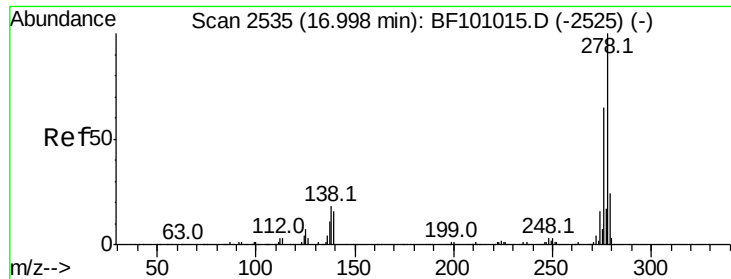
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 25.9  | 17.9  | 26.9  |
| 125     | 11.9  | 10.2  | 15.2  |



#89  
Benzo(a)pyrene  
Concen: 23.689 ng  
RT: 15.44 min Scan# 2270  
Delta R.T. 0.00 min  
Lab File: BF101027.D  
Acq: 30 Nov 2017 19:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.5  | 17.1  | 25.7  |
| 125     | 10.4  | 9.8   | 14.6  |





#90

Dibenzo(a,h)anthracene

Concen: 2.715 ng

RT: 16.79 min Scan# 2499

Delta R.T. -0.21 min

Lab File: BF101027.D

Acq: 30 Nov 2017 19:44

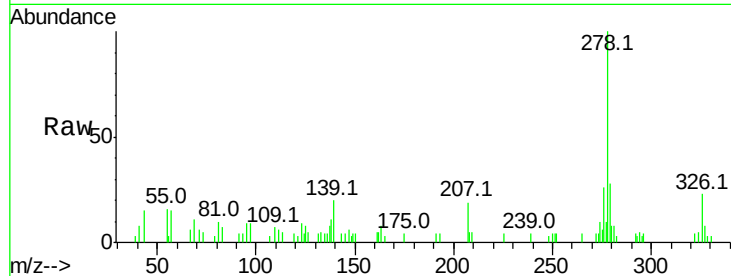
Instrument :

BNA\_F

ClientSampleId :

Tot Ion:278 Resp: 17930

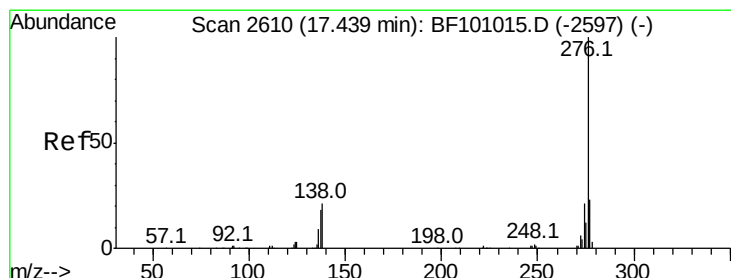
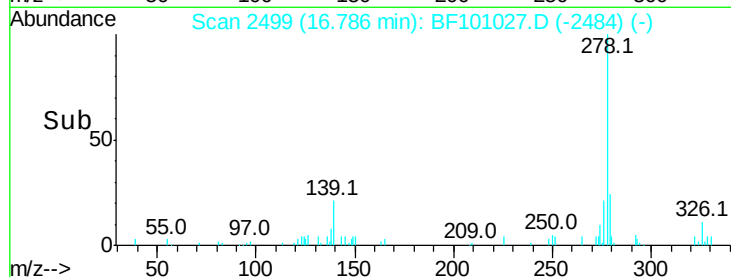
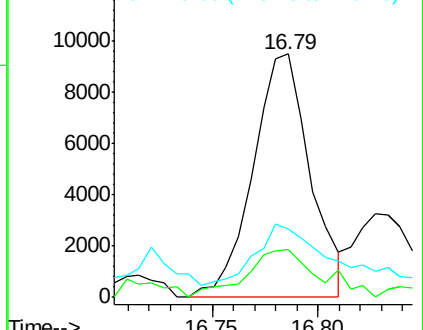
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 278 | 100   |       |       |
| 139 | 19.8  | 15.9  | 23.9  |
| 279 | 28.3  | 19.0  | 28.4  |



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 13.358 ng

RT: 17.43 min Scan# 2608

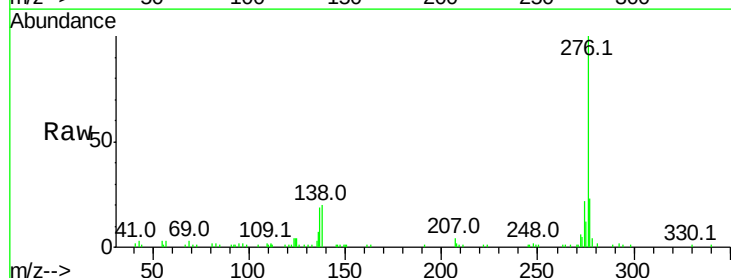
Delta R.T. -0.01 min

Lab File: BF101027.D

Acq: 30 Nov 2017 19:44

Tgt Ion:276 Resp: 83153

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 277 | 23.5  | 17.9  | 26.9  |
| 138 | 20.1  | 21.8  | 32.8# |



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

