

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF071018\  
 Data File : BF107287.D  
 Acq On : 10 Jul 2018 21:42  
 Operator : JU/SJ  
 Sample : J3914-01 2X  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B1

Quant Time: Jul 11 01:09:58 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF061918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 29 14:38:29 2018  
 Response via : Initial Calibration

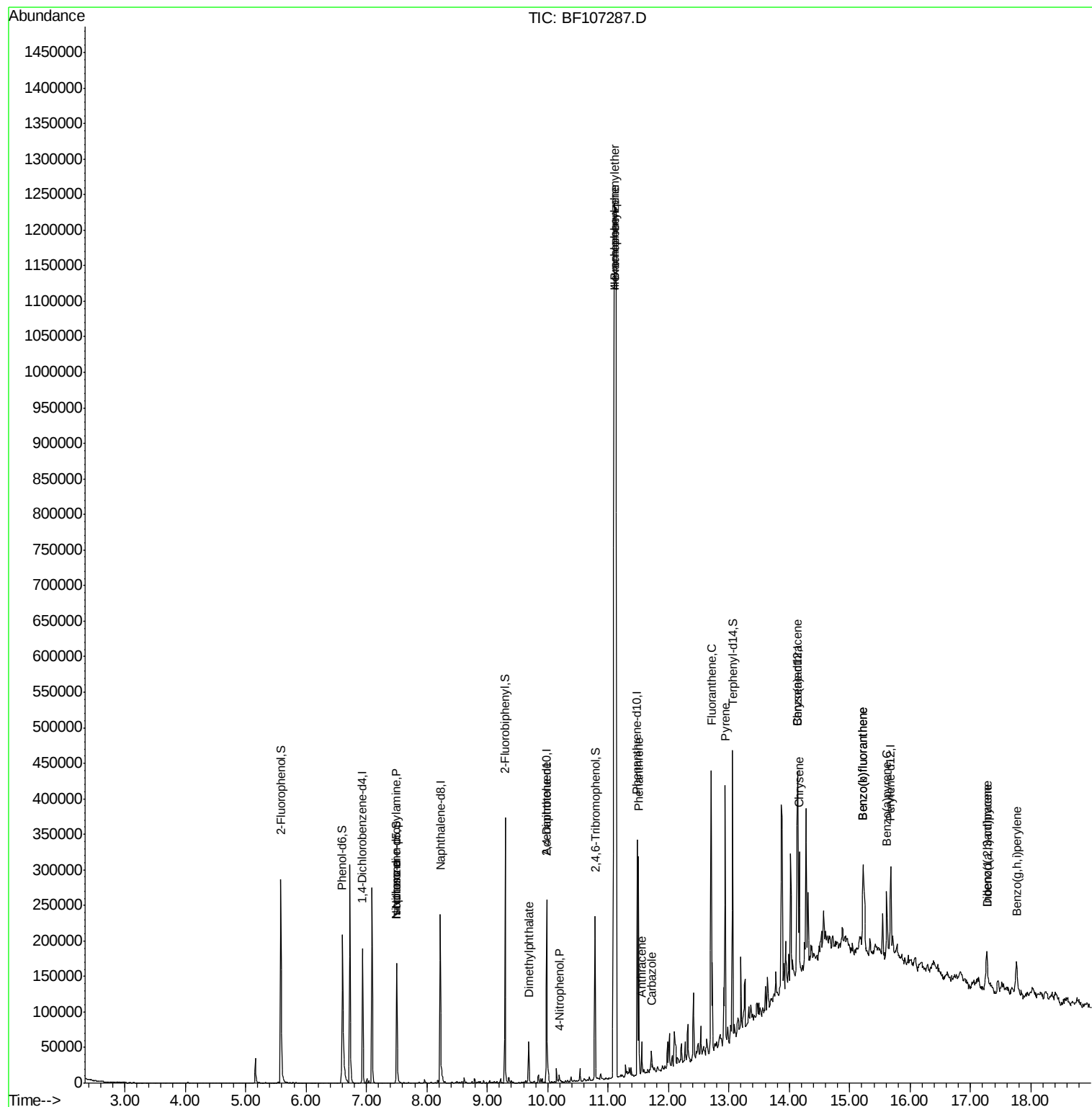
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.94  | 152  | 29534    | 20.00     | ng    | -0.02    |
| 21) Naphthalene-d8             | 8.22  | 136  | 108051   | 20.00     | ng    | -0.02    |
| 38) Acenaphthene-d10           | 9.98  | 164  | 55242    | 20.00     | ng    | -0.02    |
| 63) Phenanthrene-d10           | 11.48 | 188  | 117230   | 20.00     | ng    | -0.02    |
| 75) Chrysene-d12               | 14.14 | 240  | 91171    | 20.00     | ng    | -0.02    |
| 86) Perylene-d12               | 15.68 | 264  | 67596    | 20.00     | ng    | -0.04    |
| System Monitoring Compounds    |       |      |          |           |       |          |
| 5) 2-Fluorophenol              | 5.58  | 112  | 91740    | 52.60     | ng    | -0.02    |
| 7) Phenol-d6                   | 6.60  | 99   | 112885   | 51.83     | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 7.50  | 82   | 61226    | 31.49     | ng    | -0.04    |
| 41) 2,4,6-Tribromophenol       | 10.78 | 330  | 31819    | 49.70     | ng    | -0.02    |
| 44) 2-Fluorobiphenyl           | 9.30  | 172  | 116223   | 25.24     | ng    | -0.03    |
| 78) Terphenyl-d14              | 13.06 | 244  | 142683   | 37.91     | ng    | -0.02    |
| Target Compounds               |       |      |          |           |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.50  | 70   | 7783     | 5.421     | ng    | # 74     |
| 20) 3+4-Methylphenols          | 7.40  | 107  | 125      | Below Cal |       | # 20     |
| 25) Isophorone                 | 7.50  | 82   | 61225    | 17.870    | ng    | # 64     |
| 49) Dimethylphthalate          | 9.69  | 163  | 22840    | 5.513     | ng    | # 99     |
| 55) 4-Nitrophenol              | 10.19 | 139  | 1570     | 2.228     | ng    | # 9      |
| 56) 2,4-Dinitrotoluene         | 9.98  | 165  | 7100     | 6.200     | ng    | # 21     |
| 66) 4-Bromophenyl-phenylether  | 11.11 | 248  | 8878     | 6.346     | ng    | # 1      |
| 67) Hexachlorobenzene          | 11.10 | 284  | 611384   | 417.519   | ng    | # 84     |
| 70) Phenanthrene               | 11.51 | 178  | 110545   | 19.551    | ng    | # 99     |
| 71) Anthracene                 | 11.56 | 178  | 17602    | 3.050     | ng    | # 99     |
| 72) Carbazole                  | 11.72 | 167  | 11202    | 2.073     | ng    | # 98     |
| 74) Fluoranthene               | 12.71 | 202  | 175745   | 28.200    | ng    | # 94     |
| 77) Pyrene                     | 12.94 | 202  | 144384   | 24.016    | ng    | # 99     |
| 80) Benzo(a)anthracene         | 14.13 | 228  | 63060    | 11.349    | ng    | # 98     |
| 82) Chrysene                   | 14.17 | 228  | 67297    | 13.164    | ng    | # 97     |
| 85) Indeno(1,2,3-cd)pyrene     | 17.27 | 276  | 32721    | 7.542     | ng    | # 93     |
| 87) Benzo(b)fluoranthene       | 15.22 | 252  | 97890    | 23.313    | ng    | # 96     |
| 88) Benzo(k)fluoranthene       | 15.22 | 252  | 97890    | 24.480    | ng    | # 97     |
| 89) Benzo(a)pyrene             | 15.61 | 252  | 50163    | 13.438    | ng    | # 94     |
| 90) Dibenzo(a,h)anthracene     | 17.27 | 278  | 8555     | 2.704     | ng    | # 81     |
| 91) Benzo(g,h,i)perylene       | 17.76 | 276  | 31840    | 10.297    | ng    | # 88     |

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

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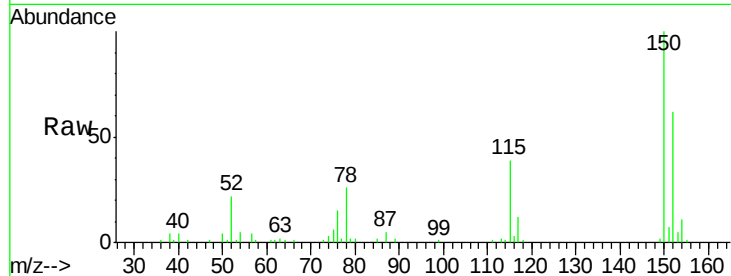




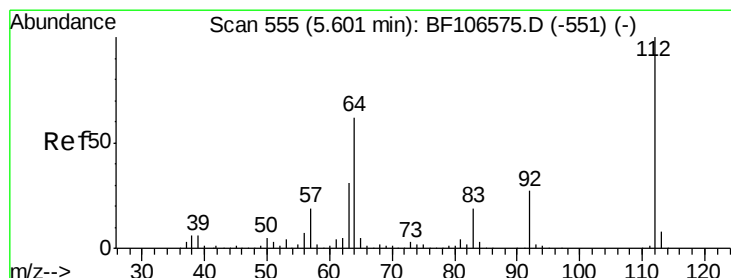
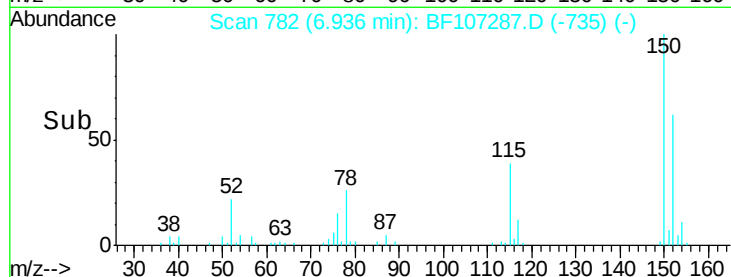
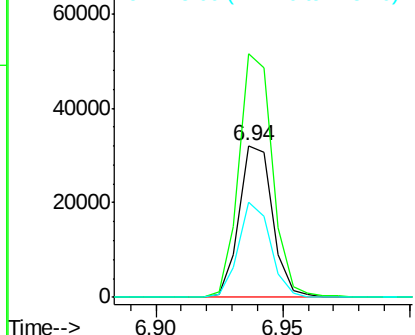
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.94 min Scan# 782  
 Delta R.T. -0.02 min  
 Lab File: BF107287.D  
 Acq: 10 Jul 2018 21:42

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B1

Tgt Ion:152 Resp: 29534  
 Ion Ratio Lower Upper  
 152 100  
 150 160.1 124.6 186.8  
 115 62.6 50.1 75.1

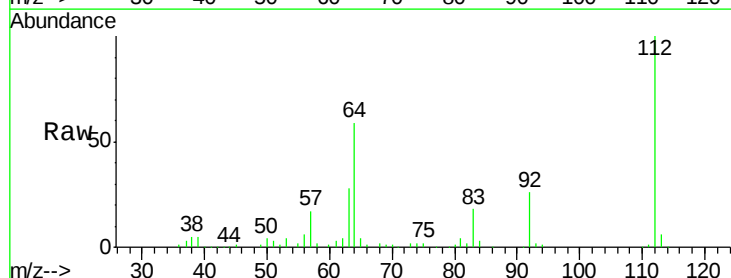


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

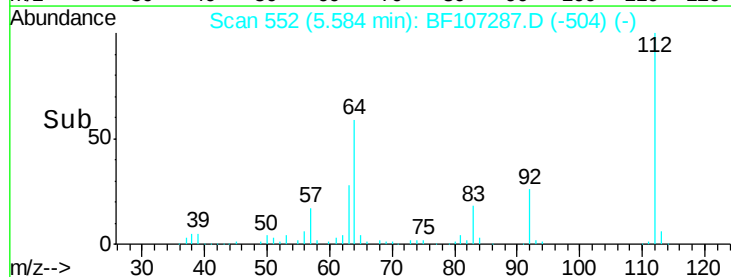
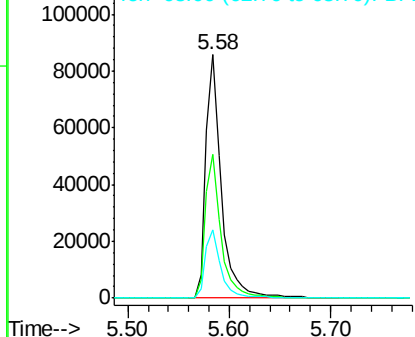


#5  
 2-Fluorophenol  
 Concen: 52.599 ng  
 RT: 5.58 min Scan# 552  
 Delta R.T. -0.02 min  
 Lab File: BF107287.D  
 Acq: 10 Jul 2018 21:42

Tgt Ion:112 Resp: 91740  
 Ion Ratio Lower Upper  
 112 100  
 64 59.1 47.9 71.9  
 63 27.9 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: 51.827 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107287.D

Acq: 10 Jul 2018 21:42

Instrument :

BNA\_F

ClientSampled :

B1

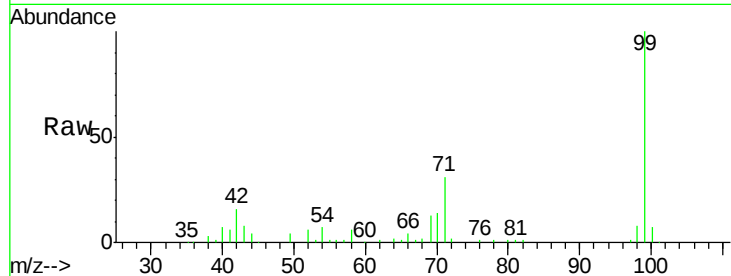
Tgt Ion: 99 Resp: 112885

Ion Ratio Lower Upper

99 100

42 16.2 14.5 21.7

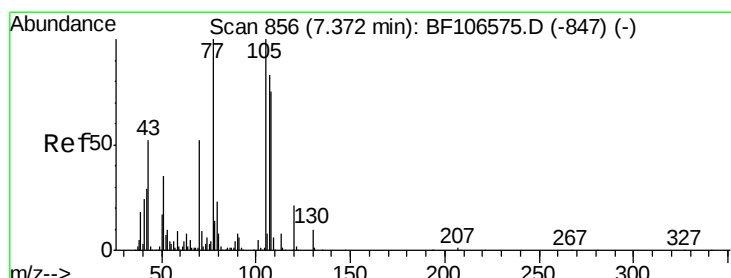
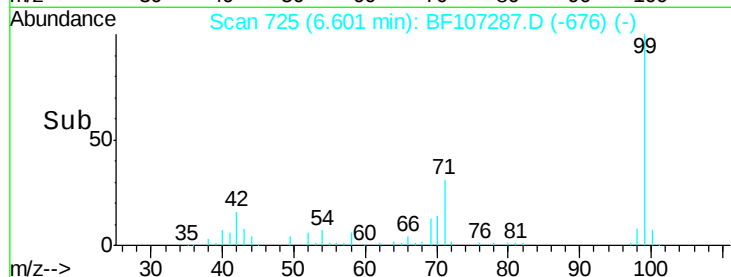
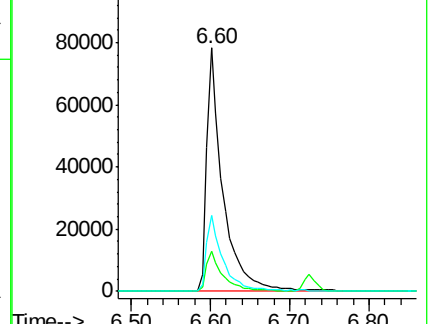
71 31.1 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 5.421 ng

RT: 7.50 min Scan# 878

Delta R.T. 0.12 min

Lab File: BF107287.D

Acq: 10 Jul 2018 21:42

Tgt Ion: 70 Resp: 7783

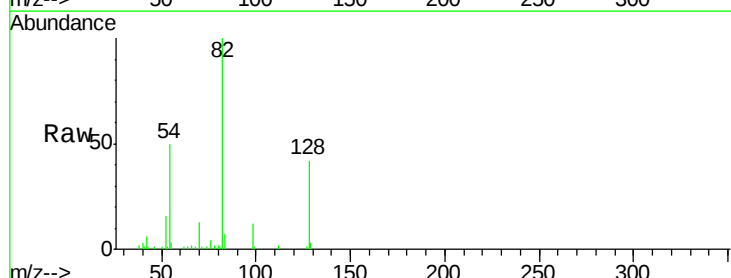
Ion Ratio Lower Upper

70 100

42 45.2 47.5 71.3#

101 0.0 7.4 11.2#

130 0.0 16.6 25.0#

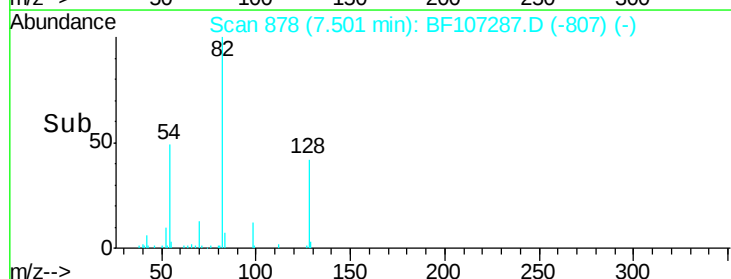
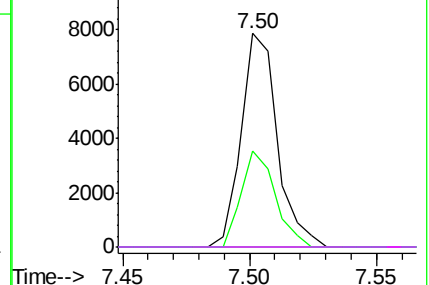


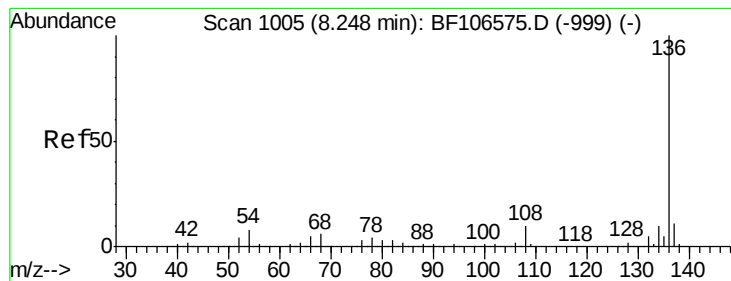
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.22 min Scan# 1001

Delta R.T. -0.02 min

Lab File: BF107287.D

Acq: 10 Jul 2018 21:42

Instrument :

BNA\_F

ClientSampleId :

B1

Tgt Ion: 136 Resp: 108051

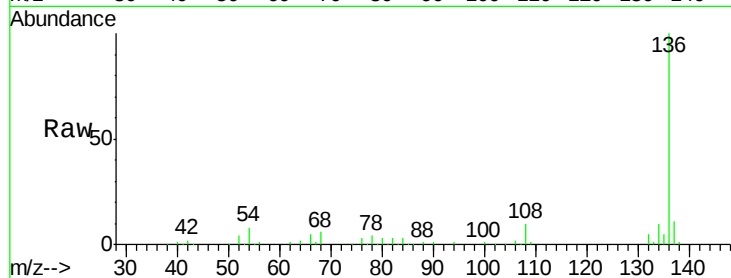
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 8.0 6.6 9.8

68 6.4 5.0 7.4

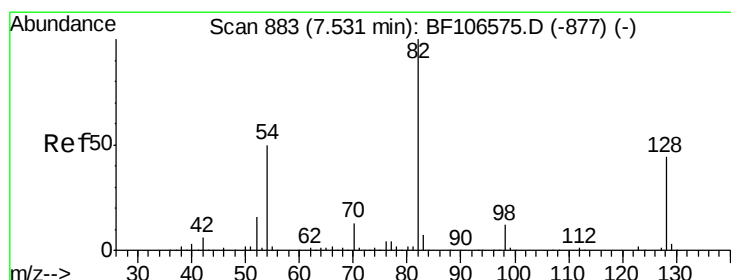
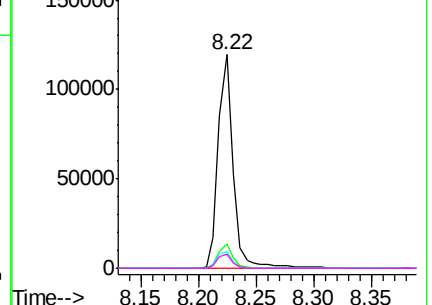
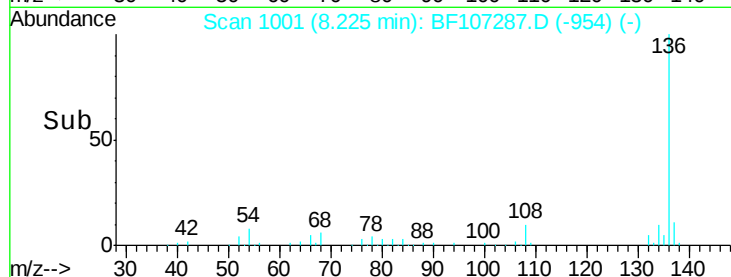


Abundance Ion 136.00 (135.70 to 136.70): B

Ion 137.00 (136.70 to 137.70): B

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 31.490 ng

RT: 7.50 min Scan# 878

Delta R.T. -0.04 min

Lab File: BF107287.D

Acq: 10 Jul 2018 21:42

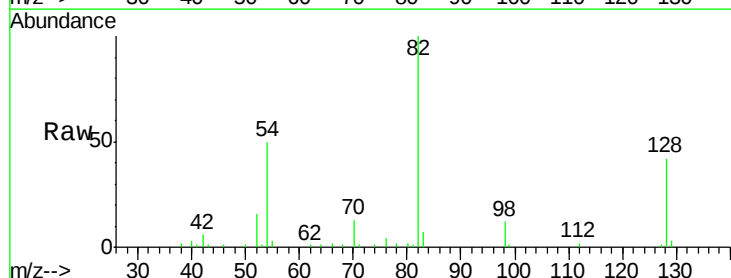
Tgt Ion: 82 Resp: 61226

Ion Ratio Lower Upper

82 100

128 42.0 36.1 54.1

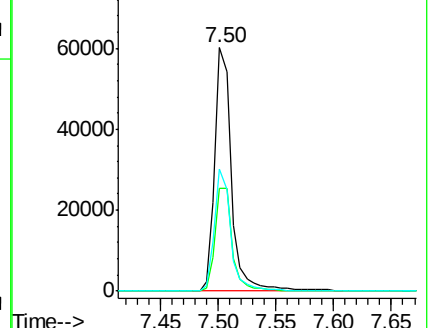
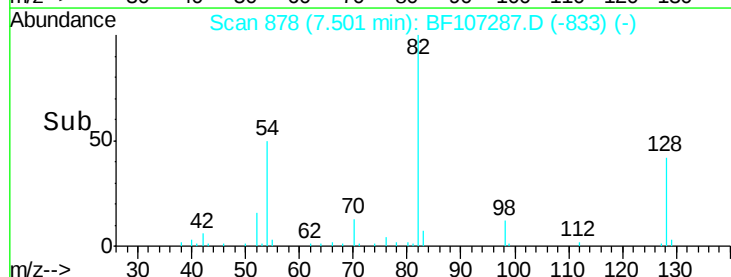
54 50.4 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): B

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 17.870 ng

RT: 7.50 min Scan# 878

Delta R.T. -0.29 min

Lab File: BF107287.D

Acq: 10 Jul 2018 21:42

Instrument :

BNA\_F

ClientSampleId :

B1

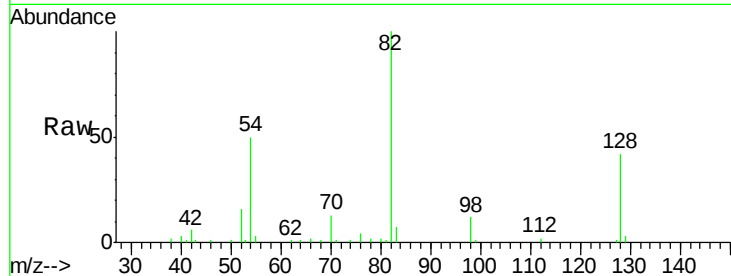
Tgt Ion: 82 Resp: 61225

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

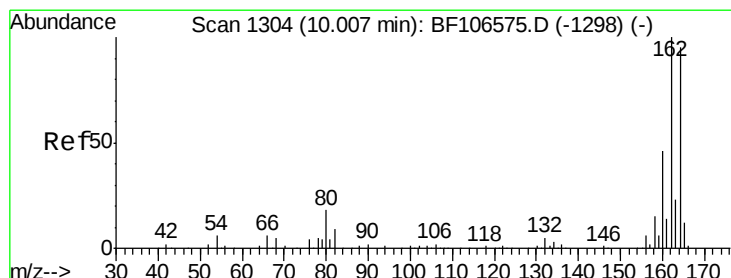
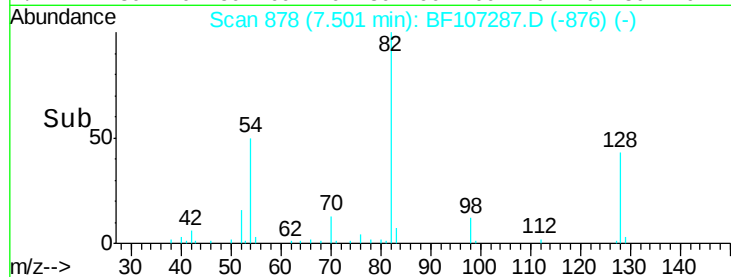
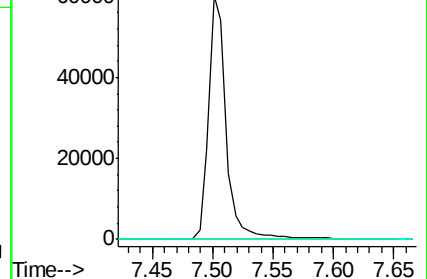
138 0.0 14.9 22.3#



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: 9.98 min Scan# 1300

Delta R.T. -0.02 min

Lab File: BF107287.D

Acq: 10 Jul 2018 21:42

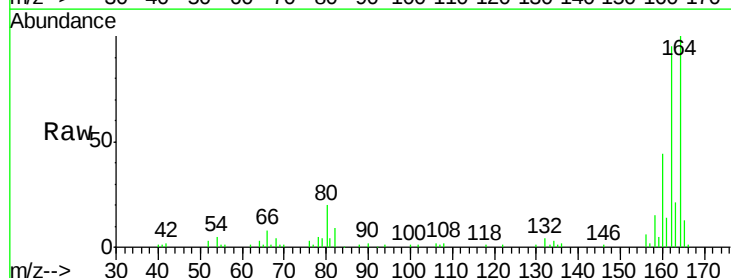
Tgt Ion: 164 Resp: 55242

Ion Ratio Lower Upper

164 100

162 95.5 86.1 129.1

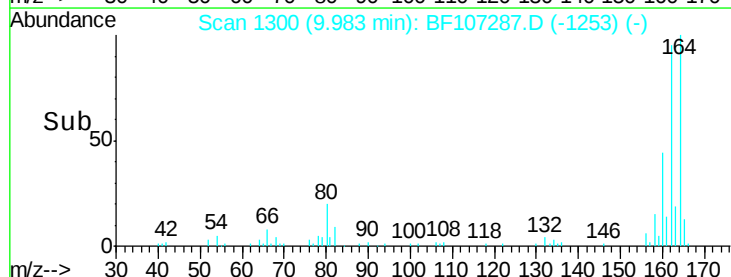
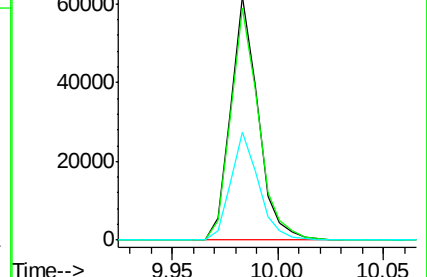
160 44.1 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

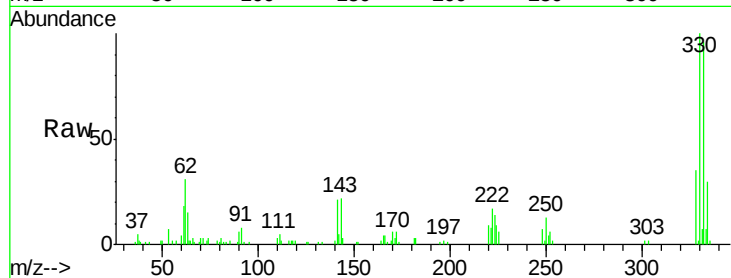




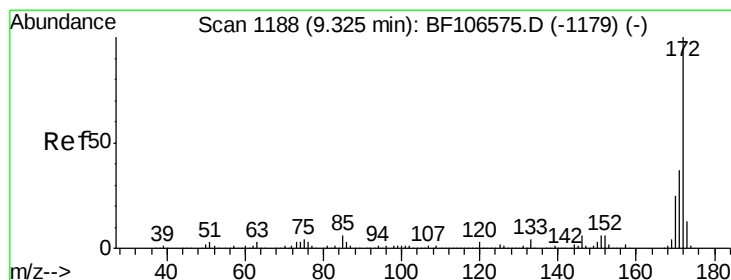
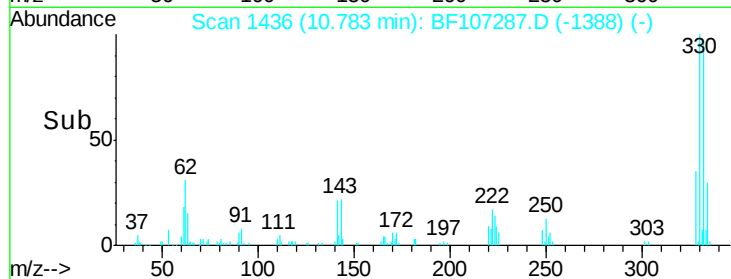
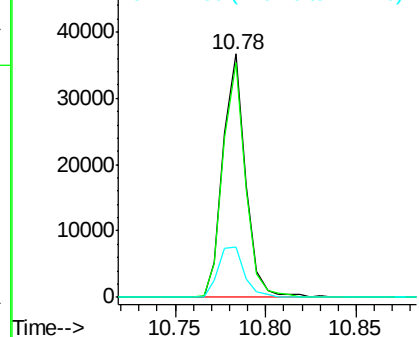
#41  
 2,4,6-Tribromophenol  
 Concen: 49.696 ng  
 RT: 10.78 min Scan# 1436  
 Delta R.T. -0.02 min  
 Lab File: BF107287.D  
 Acq: 10 Jul 2018 21:42

Instrument :  
 BNA\_F  
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 B1

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.0  | 77.0  | 115.6 |
| 141     | 23.8  | 29.9  | 44.9  |

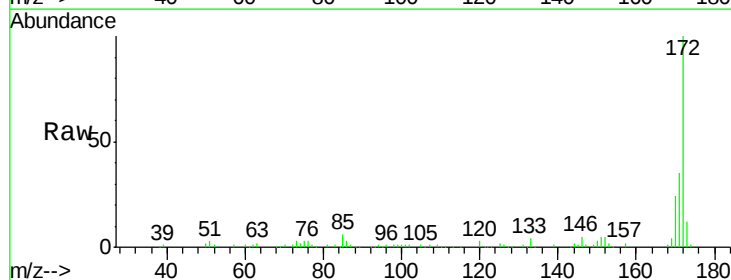


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

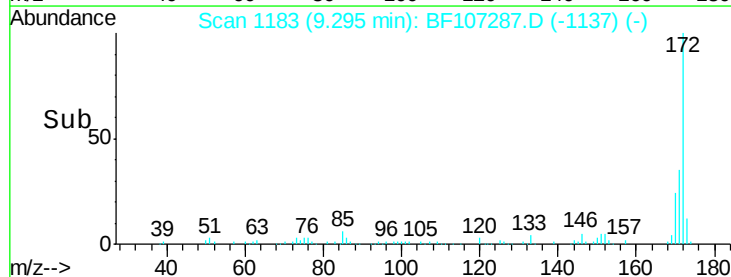
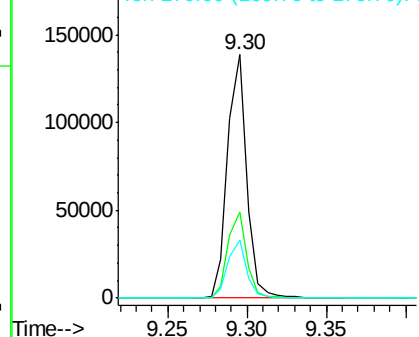


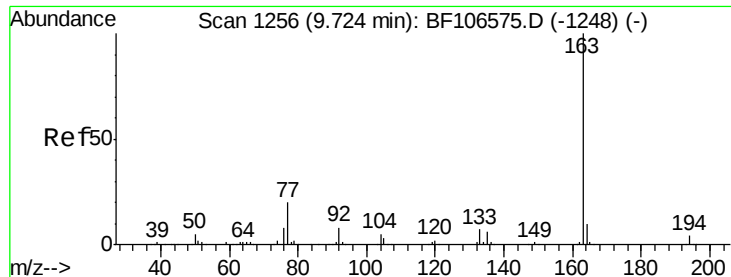
#44  
 2-Fluorobiphenyl  
 Concen: 25.240 ng  
 RT: 9.30 min Scan# 1183  
 Delta R.T. -0.03 min  
 Lab File: BF107287.D  
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| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.3  | 29.7  | 44.5  |
| 170     | 23.9  | 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

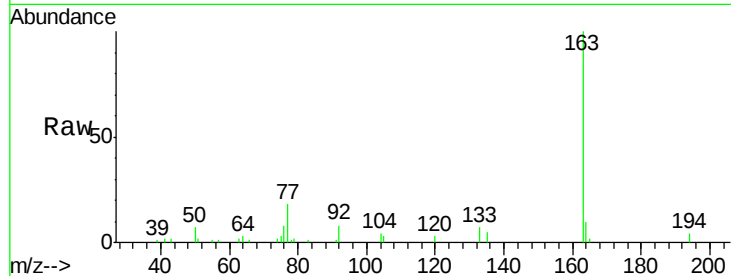




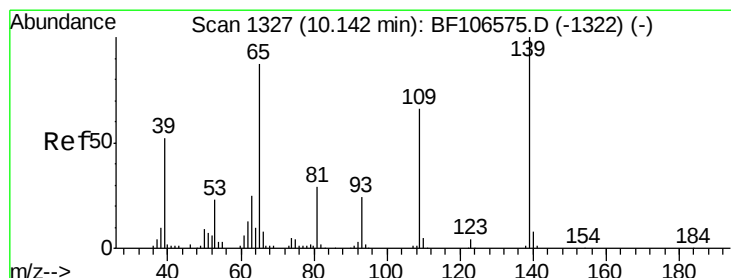
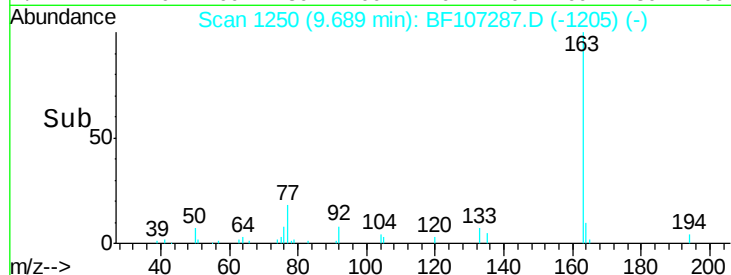
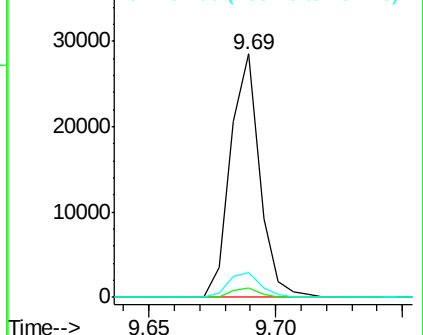
#49  
Dimethylphthalate  
Concen: 5.513 ng  
RT: 9.69 min Scan# 1250  
Delta R.T. -0.04 min  
Lab File: BF107287.D  
Acq: 10 Jul 2018 21:42

Instrument :  
BNA\_F  
ClientSampleId :  
B1

Tgt Ion:163 Resp: 22840  
Ion Ratio Lower Upper  
163 100  
194 4.0 2.7 4.1  
164 10.4 8.2 12.2

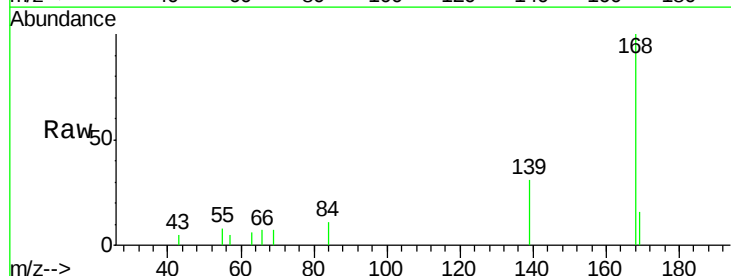


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

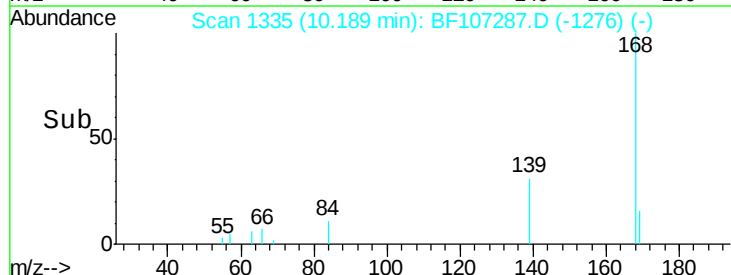
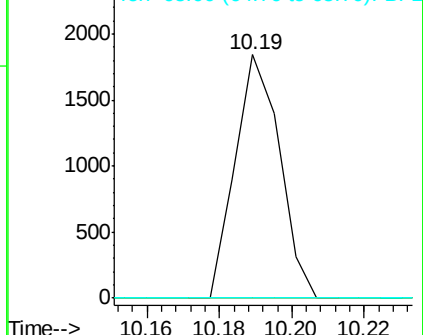


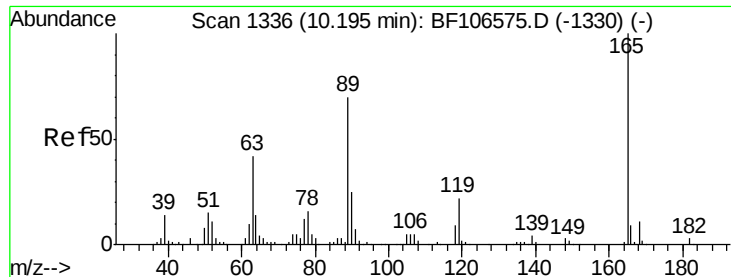
#55  
4-Nitrophenol  
Concen: 2.228 ng  
RT: 10.19 min Scan# 1335  
Delta R.T. 0.05 min  
Lab File: BF107287.D  
Acq: 10 Jul 2018 21:42

Tgt Ion:139 Resp: 1570  
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

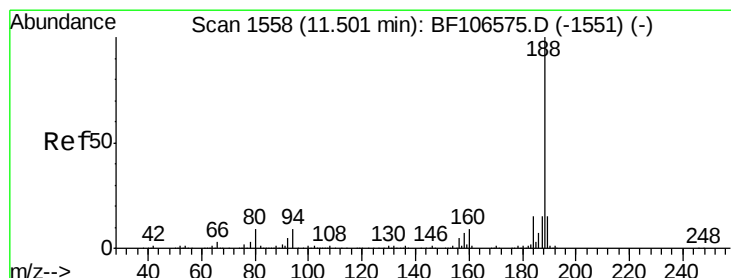
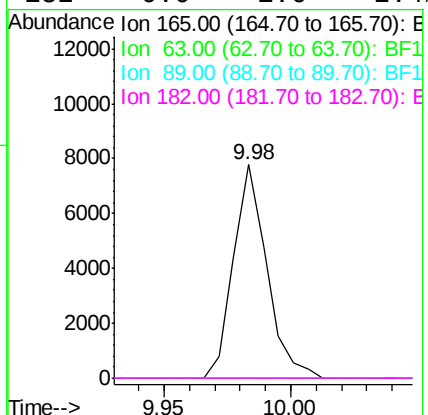
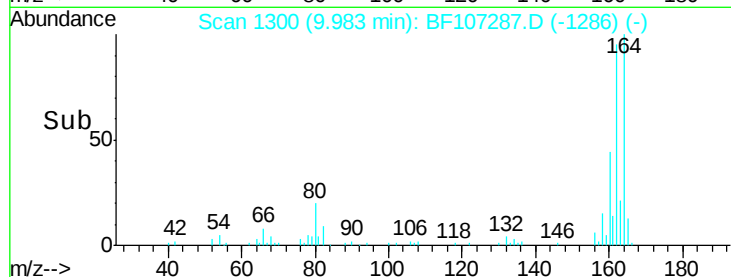
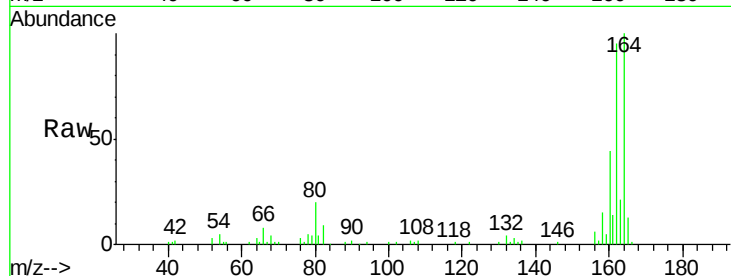




#56  
2,4-Dinitrotoluene  
Concen: 6.200 ng  
RT: 9.98 min Scan# 1300  
Delta R.T. -0.22 min  
Lab File: BF107287.D  
Acq: 10 Jul 2018 21:42

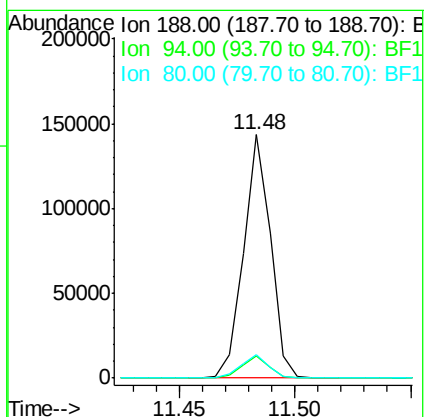
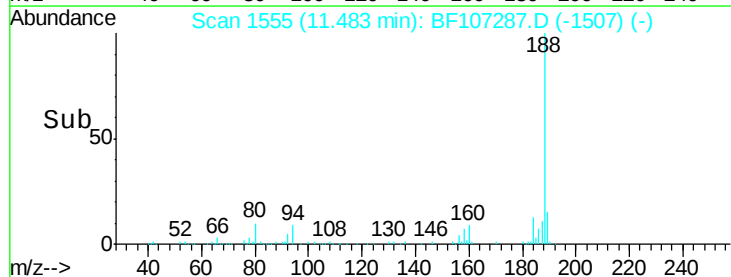
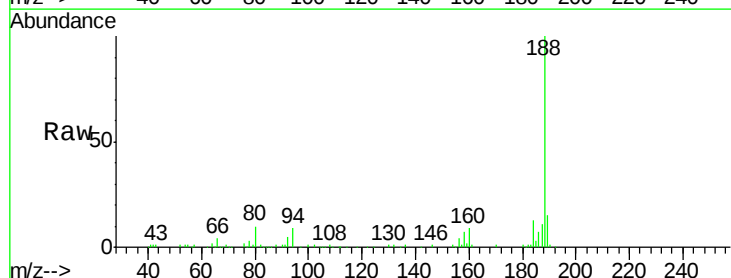
Instrument :  
BNA\_F  
ClientSampleId :  
B1

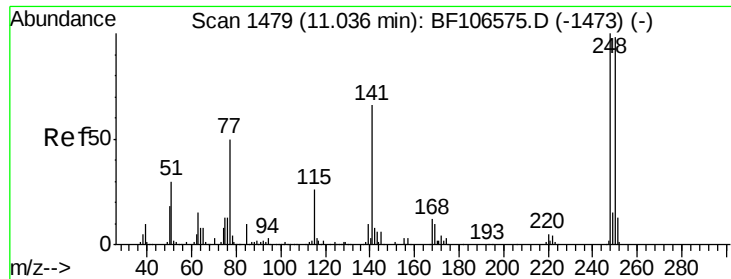
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 165   | Resp: | 7100  |
| Ion      | Ratio | Lower | Upper |
| 165      | 100   |       |       |
| 63       | 0.0   | 36.4  | 54.6# |
| 89       | 0.0   | 57.8  | 86.6# |
| 182      | 0.0   | 1.6   | 2.4#  |



#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.48 min Scan# 1555  
Delta R.T. -0.02 min  
Lab File: BF107287.D  
Acq: 10 Jul 2018 21:42

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 117230 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 9.2   | 8.5   | 12.7   |
| 80       | 9.6   | 9.2   | 13.8   |

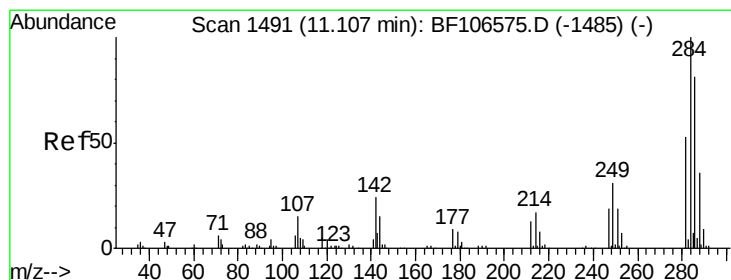
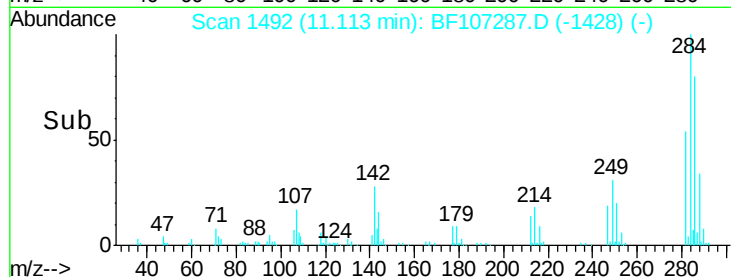
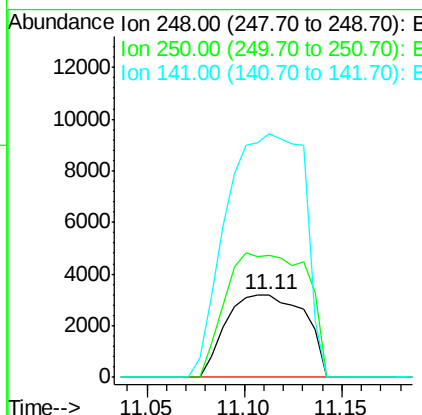
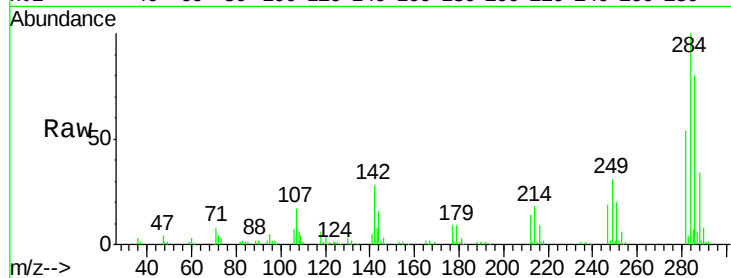




#66  
 4-Bromophenyl-phenylether  
 Concen: 6.346 ng  
 RT: 11.11 min Scan# 1492  
 Delta R.T. 0.08 min  
 Lab File: BF107287.D  
 Acq: 10 Jul 2018 21:42

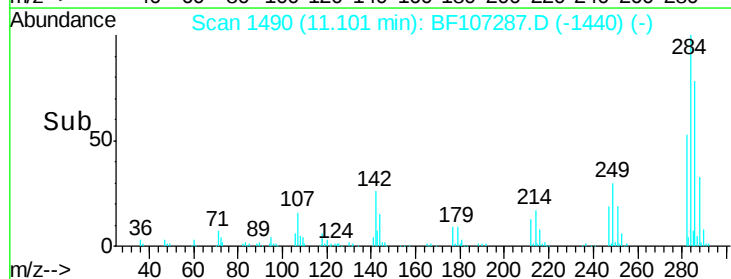
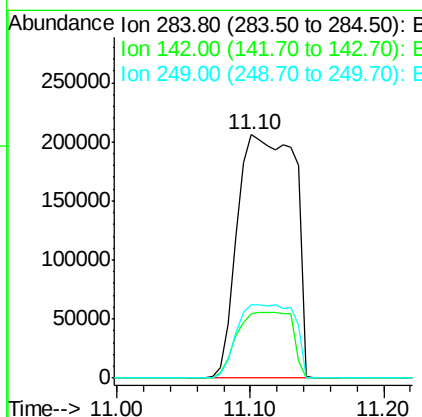
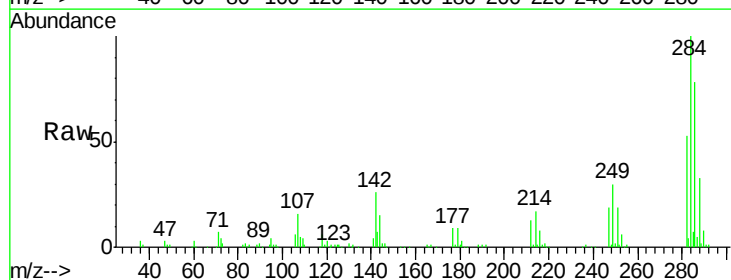
Instrument :  
 BNA\_F  
 ClientSampleId :  
 B1

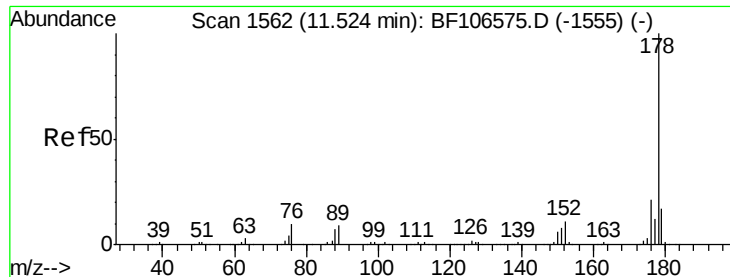
Tgt Ion:248 Resp: 8878  
 Ion Ratio Lower Upper  
 248 100  
 250 147.1 76.9 115.3#  
 141 294.0 74.4 111.6#



#67  
 Hexachlorobenzene  
 Concen: 417.519 ng  
 RT: 11.10 min Scan# 1490  
 Delta R.T. -0.01 min  
 Lab File: BF107287.D  
 Acq: 10 Jul 2018 21:42

Tgt Ion:284 Resp: 611384  
 Ion Ratio Lower Upper  
 284 100  
 142 26.2 34.6 52.0#  
 249 30.3 24.8 37.2

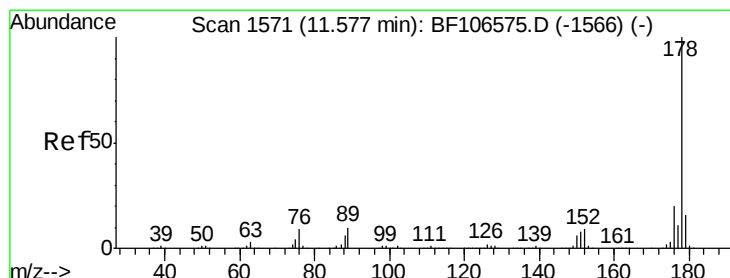
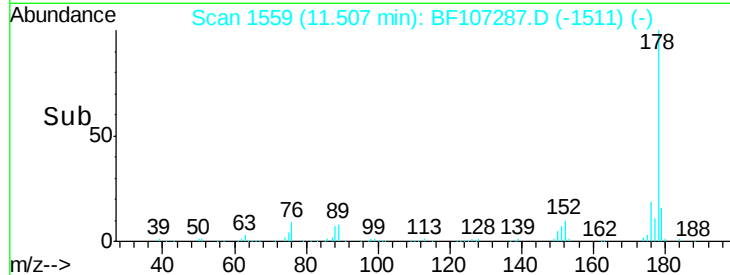
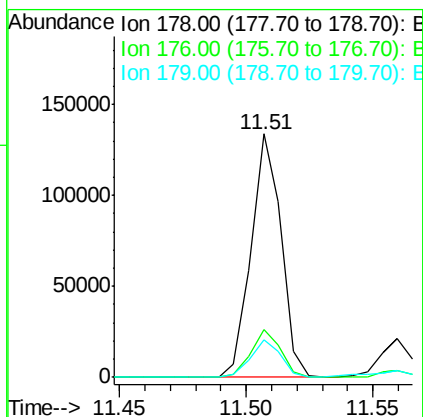
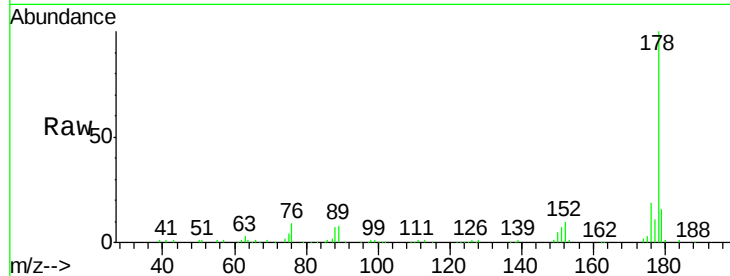




#70  
 Phenanthrene  
 Concen: 19.551 ng  
 RT: 11.51 min Scan# 1559  
 Delta R.T. -0.02 min  
 Lab File: BF107287.D  
 Acq: 10 Jul 2018 21:42

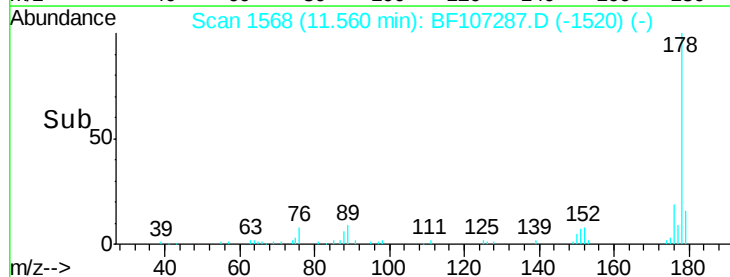
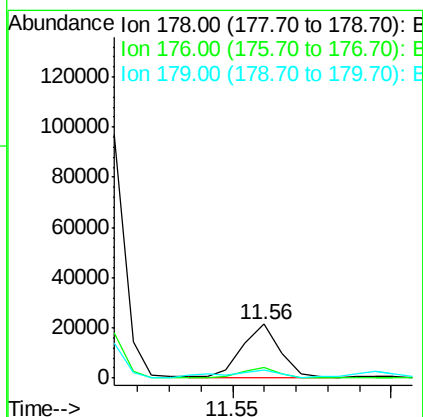
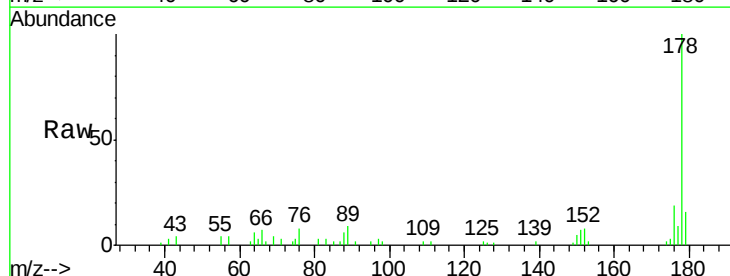
Instrument :  
 BNA\_F  
 ClientSampleId :  
 B1

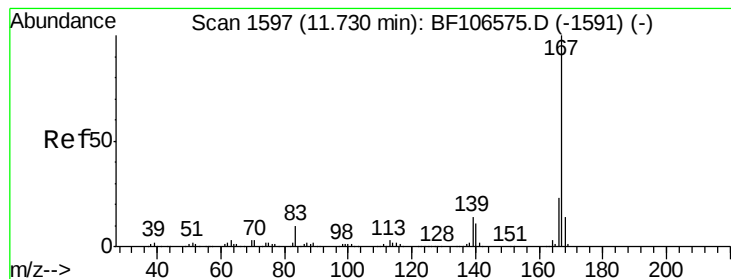
Tgt Ion:178 Resp: 110545  
 Ion Ratio Lower Upper  
 178 100  
 176 19.4 15.8 23.8  
 179 15.5 13.0 19.6



#71  
 Anthracene  
 Concen: 3.050 ng  
 RT: 11.56 min Scan# 1568  
 Delta R.T. -0.02 min  
 Lab File: BF107287.D  
 Acq: 10 Jul 2018 21:42

Tgt Ion:178 Resp: 17602  
 Ion Ratio Lower Upper  
 178 100  
 176 18.8 15.4 23.2  
 179 16.0 12.6 19.0





#72

Carbazole

Concen: 2.073 ng

RT: 11.72 min Scan# 1595

Delta R.T. -0.02 min

Lab File: BF107287.D

Acq: 10 Jul 2018 21:42

Instrument :

BNA\_F

ClientSampleId :

B1

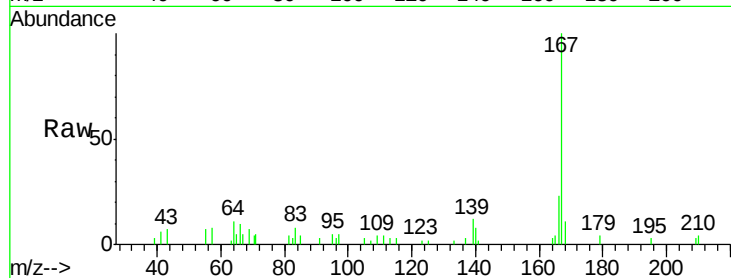
Tgt Ion:167 Resp: 11202

Ion Ratio Lower Upper

167 100

166 22.8 17.6 26.4

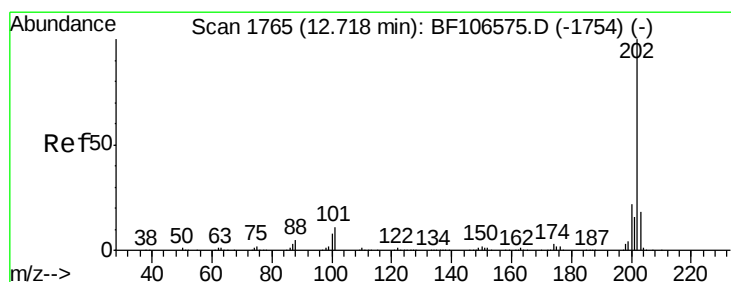
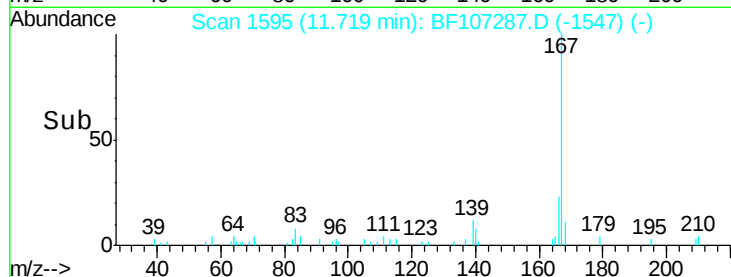
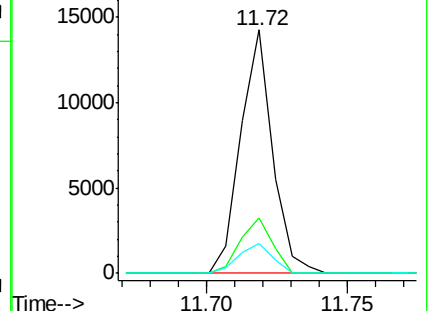
139 12.5 10.9 16.3



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 28.200 ng

RT: 12.71 min Scan# 1763

Delta R.T. -0.01 min

Lab File: BF107287.D

Acq: 10 Jul 2018 21:42

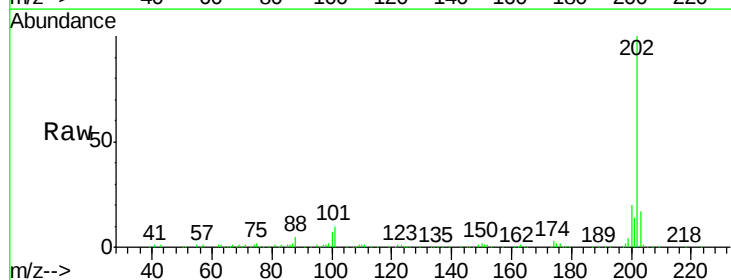
Tgt Ion:202 Resp: 175745

Ion Ratio Lower Upper

202 100

101 9.7 0.0 34.1

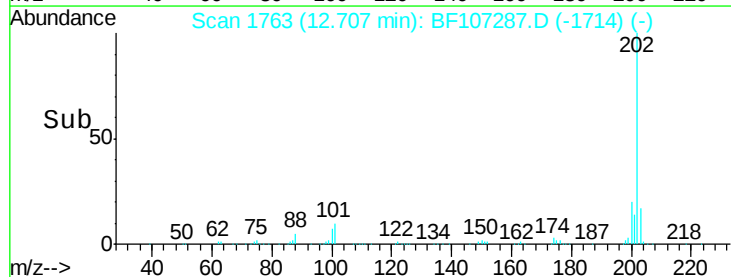
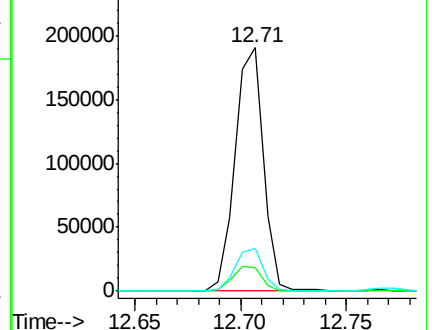
203 17.4 0.0 38.1

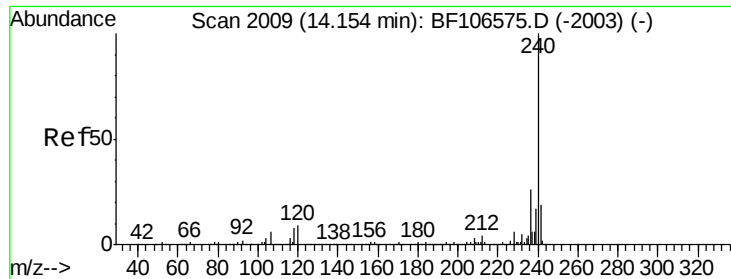


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.14 min Scan# 2007

Delta R.T. -0.02 min

Lab File: BF107287.D

Acq: 10 Jul 2018 21:42

Instrument :

BNA\_F

ClientSampleId :

B1

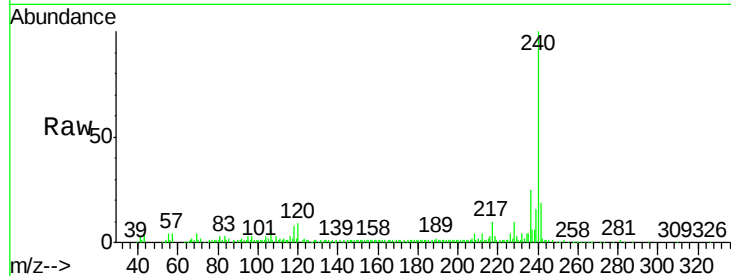
Tgt Ion:240 Resp: 91171

Ion Ratio Lower Upper

240 100

120 8.6 9.5 14.3#

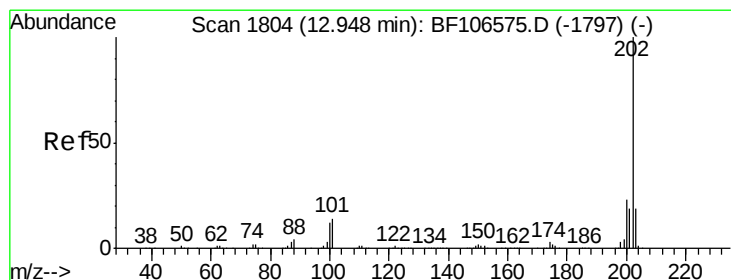
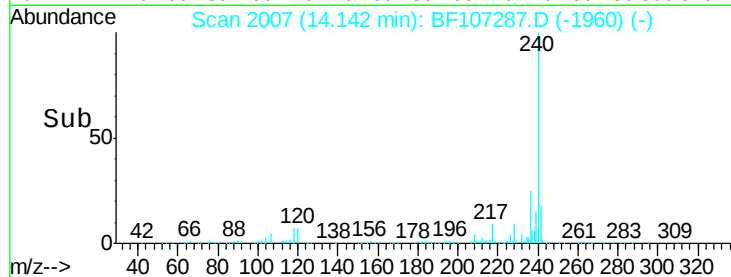
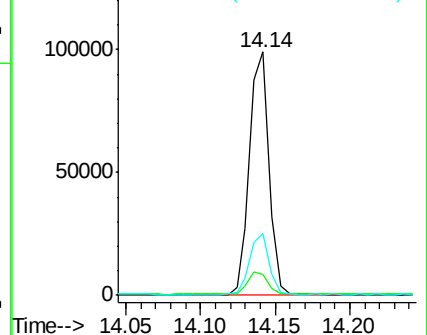
236 25.3 20.7 31.1



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

Pyrene

Concen: 24.016 ng

RT: 12.94 min Scan# 1802

Delta R.T. -0.01 min

Lab File: BF107287.D

Acq: 10 Jul 2018 21:42

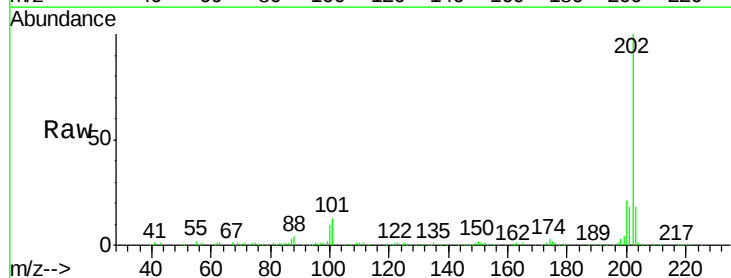
Tgt Ion:202 Resp: 144384

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

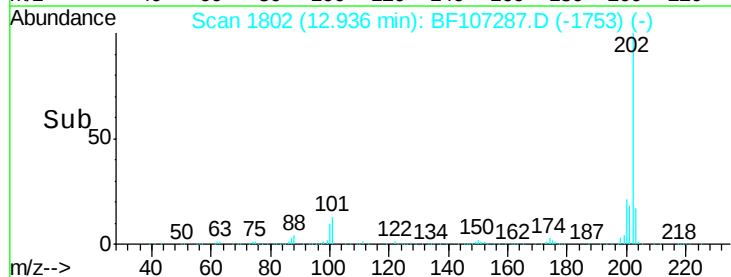
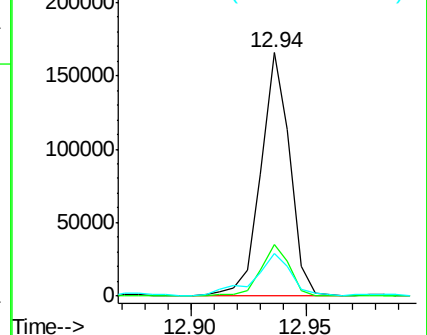
203 17.6 14.3 21.5

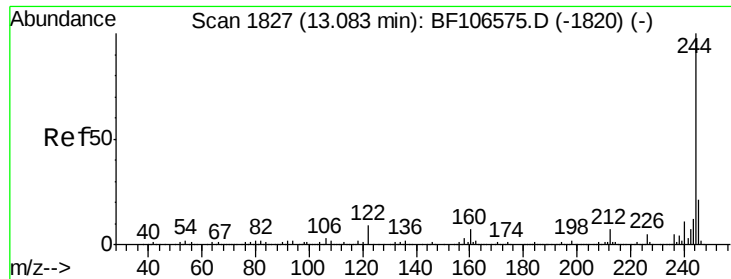


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

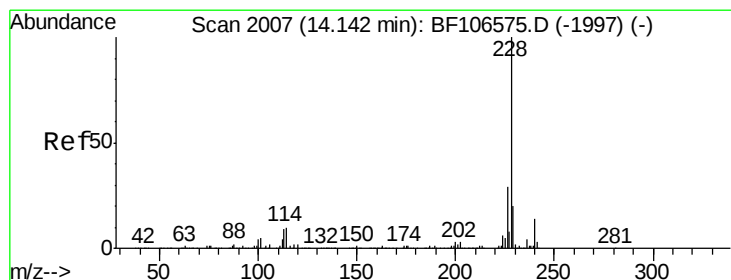
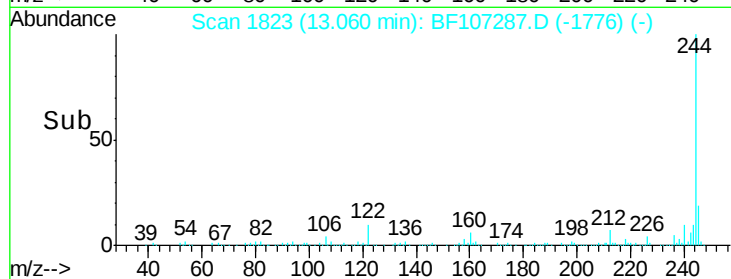
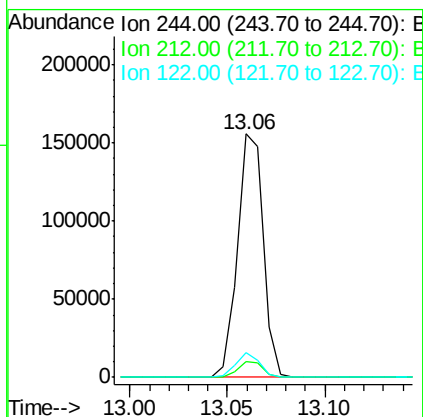
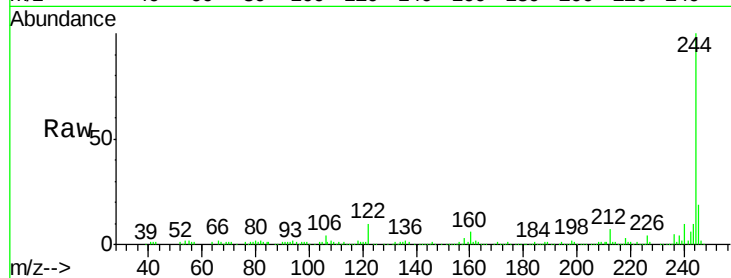




#78  
 Terphenyl-d14  
 Concen: 37.909 ng  
 RT: 13.06 min Scan# 1823  
 Delta R.T. -0.02 min  
 Lab File: BF107287.D  
 Acq: 10 Jul 2018 21:42

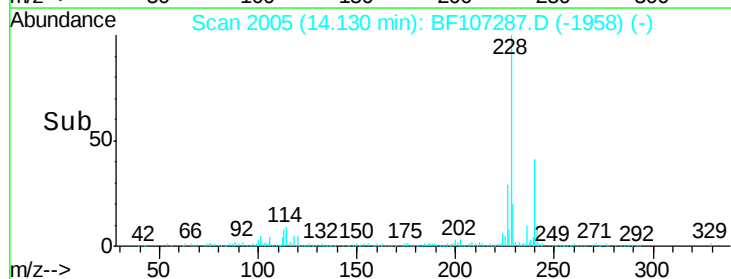
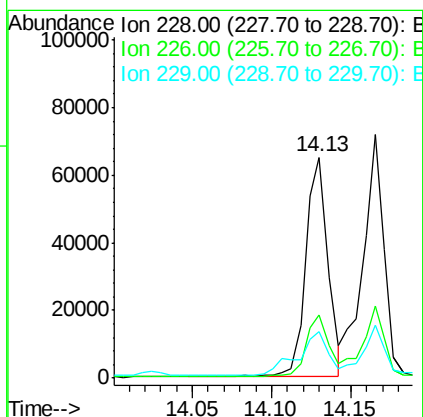
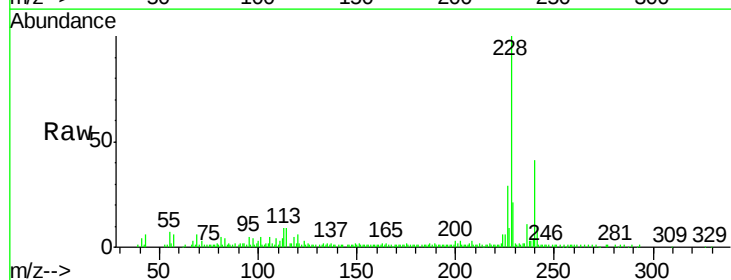
Instrument :  
 BNA\_F  
 ClientSampleId :  
 B1

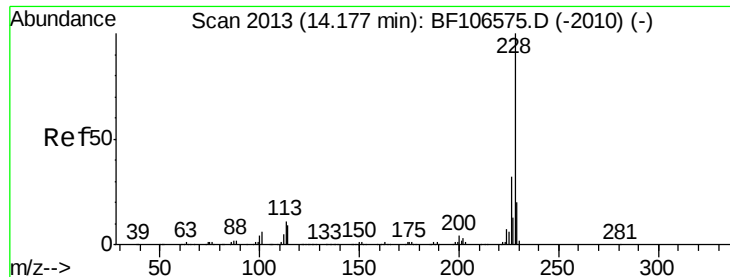
Tgt Ion:244 Resp: 142683  
 Ion Ratio Lower Upper  
 244 100  
 212 6.6 5.4 8.0  
 122 9.9 11.0 16.4#



#80  
 Benzo(a)anthracene  
 Concen: 11.349 ng  
 RT: 14.13 min Scan# 2005  
 Delta R.T. -0.02 min  
 Lab File: BF107287.D  
 Acq: 10 Jul 2018 21:42

Tgt Ion:228 Resp: 63060  
 Ion Ratio Lower Upper  
 228 100  
 226 28.7 22.6 33.8  
 229 21.1 15.8 23.6





#82

Chrysene

Concen: 13.164 ng

RT: 14.17 min Scan# 2011

Delta R.T. -0.03 min

Lab File: BF107287.D

Acq: 10 Jul 2018 21:42

Instrument :

BNA\_F

ClientSampleId :

B1

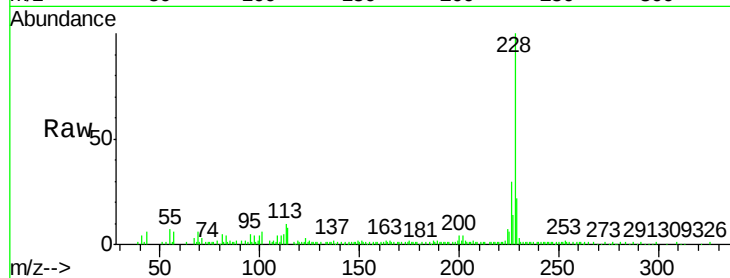
Tgt Ion:228 Resp: 67297

Ion Ratio Lower Upper

228 100

226 29.7 25.0 37.6

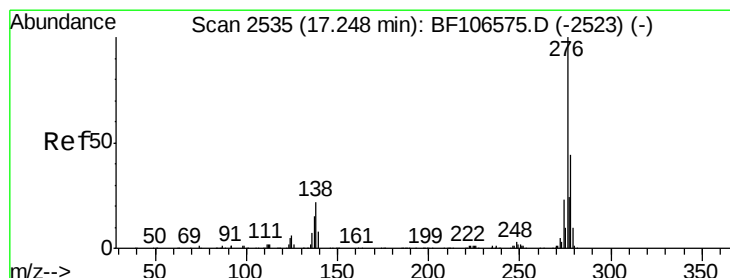
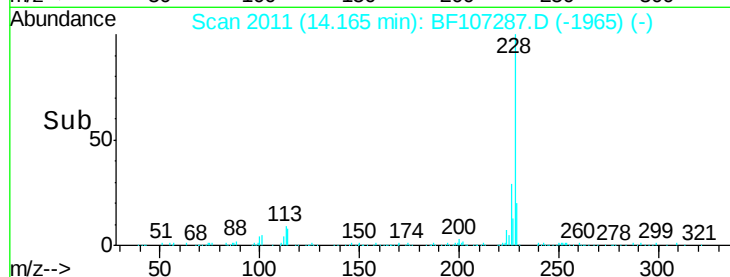
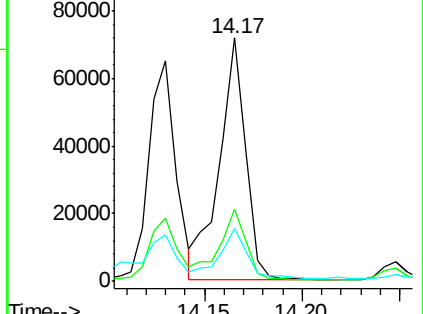
229 22.0 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 7.542 ng

RT: 17.27 min Scan# 2539

Delta R.T. -0.04 min

Lab File: BF107287.D

Acq: 10 Jul 2018 21:42

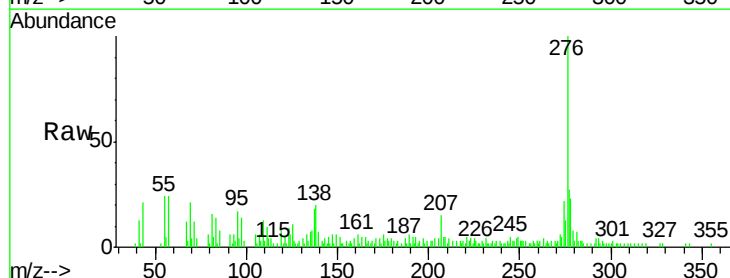
Tgt Ion:276 Resp: 32721

Ion Ratio Lower Upper

276 100

138 24.7 25.0 37.6#

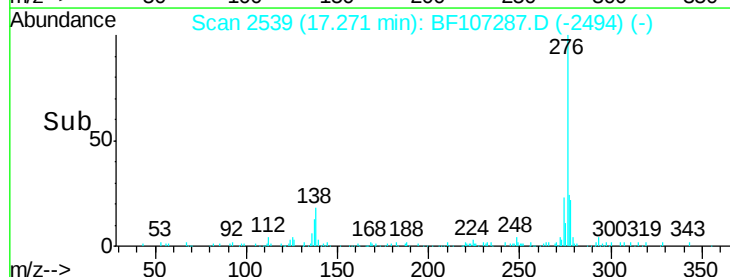
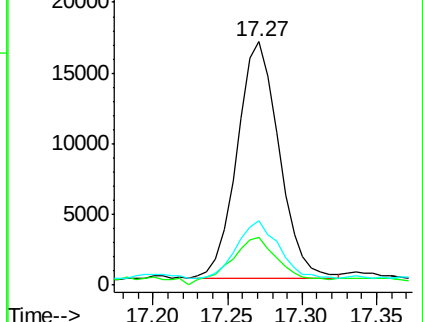
277 25.1 20.1 30.1

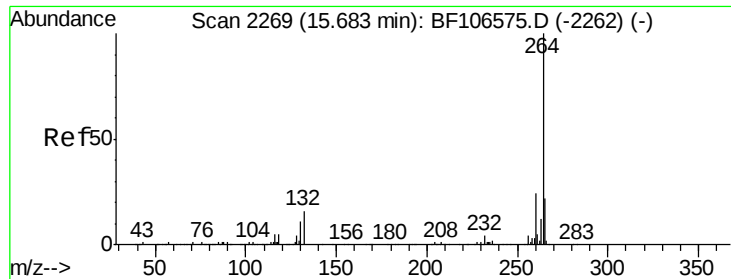


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

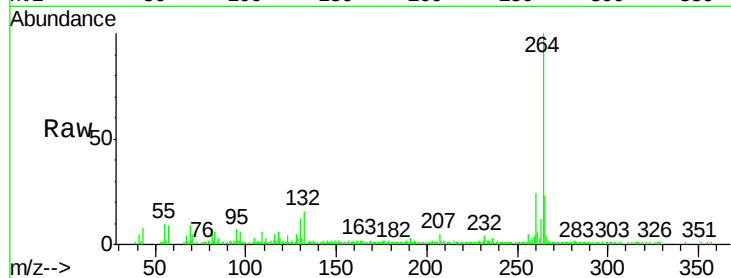




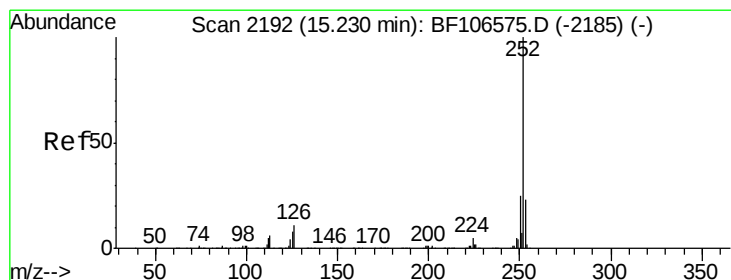
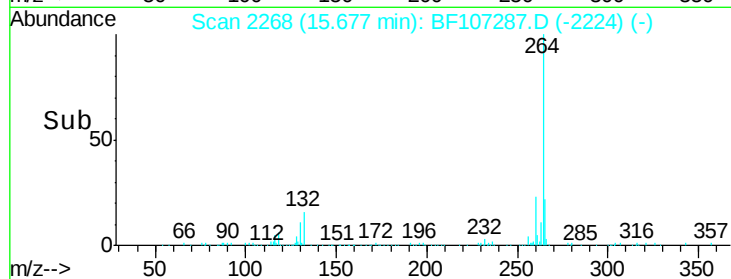
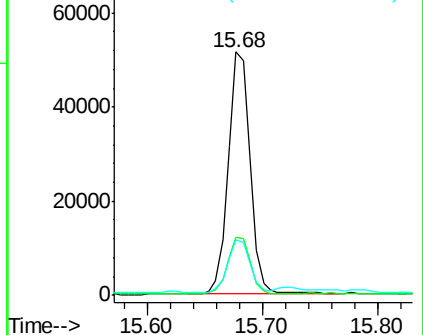
#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.68 min Scan# 2268  
Delta R.T. -0.04 min  
Lab File: BF107287.D  
Acq: 10 Jul 2018 21:42

Instrument :  
BNA\_F  
ClientSampleId :  
B1

Tgt Ion:264 Resp: 67596  
Ion Ratio Lower Upper  
264 100  
260 23.9 19.2 28.8  
265 23.0 17.5 26.3

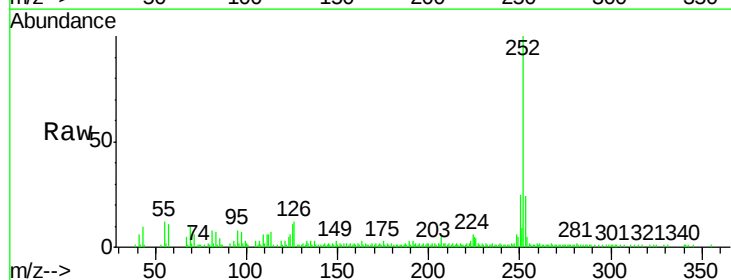


Abundance Ion 264.00 (263.70 to 264.70): E  
Ion 260.00 (259.70 to 260.70): E  
Ion 265.00 (264.70 to 265.70): E

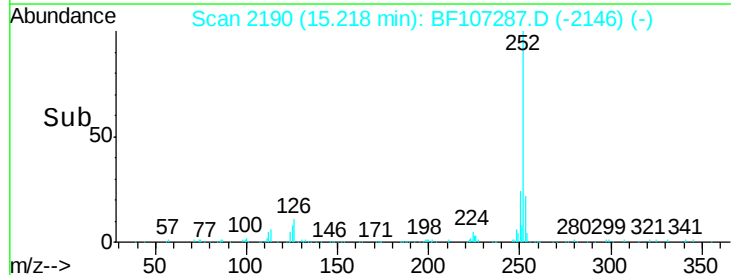
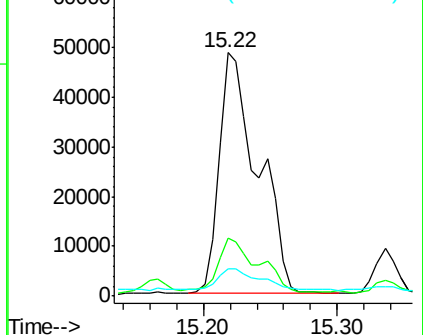


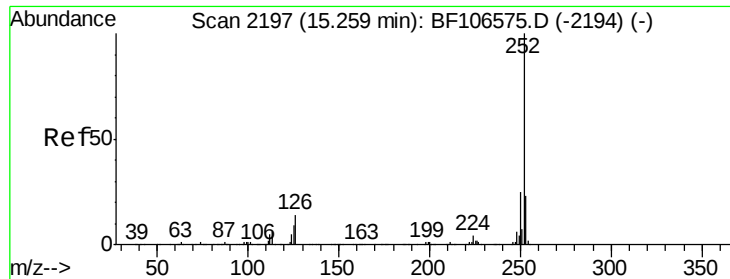
#87  
Benzo(b)fluoranthene  
Concen: 23.313 ng  
RT: 15.22 min Scan# 2190  
Delta R.T. -0.04 min  
Lab File: BF107287.D  
Acq: 10 Jul 2018 21:42

Tgt Ion:252 Resp: 97890  
Ion Ratio Lower Upper  
252 100  
253 23.8 17.0 25.6  
125 11.4 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

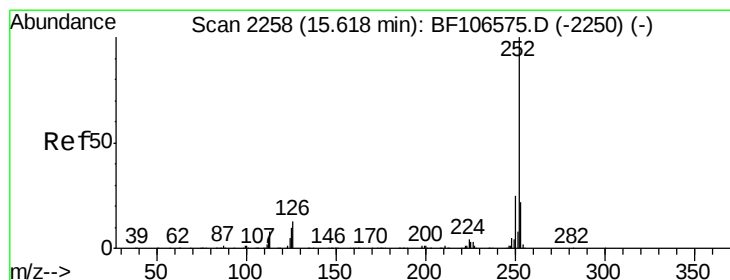
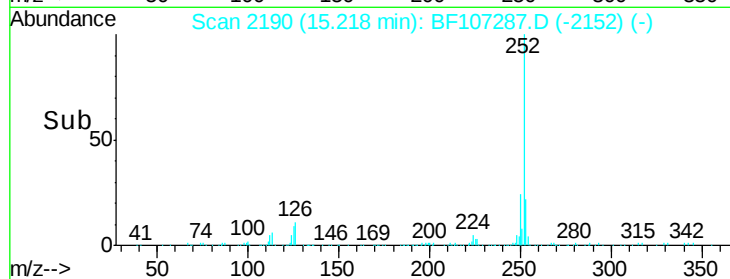
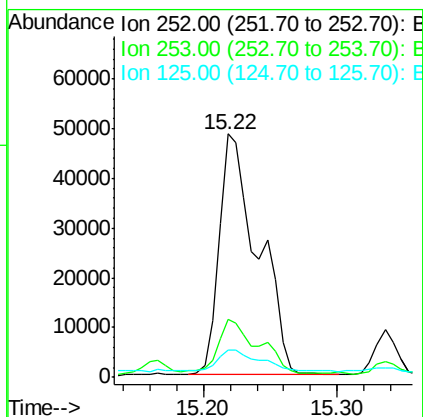
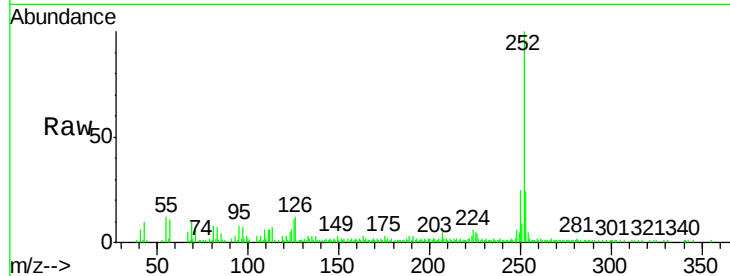




#88  
Benzo(k)fluoranthene  
Concen: 24.480 ng  
RT: 15.22 min Scan# 2190  
Delta R.T. -0.08 min  
Lab File: BF107287.D  
Acq: 10 Jul 2018 21:42

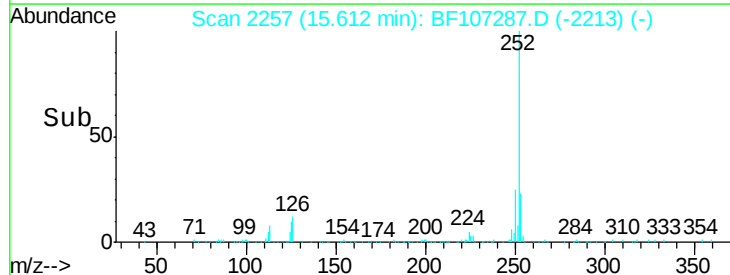
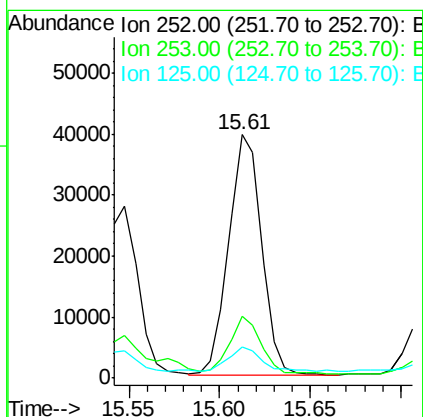
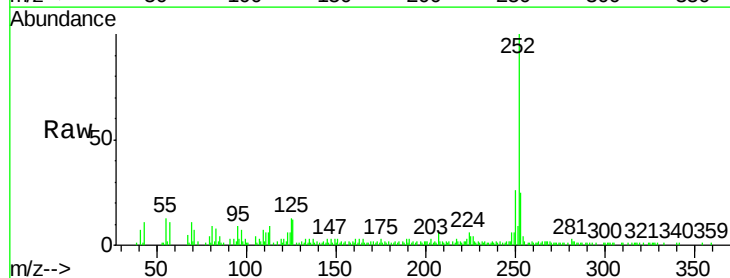
Instrument :  
BNA\_F  
ClientSampleId :  
B1

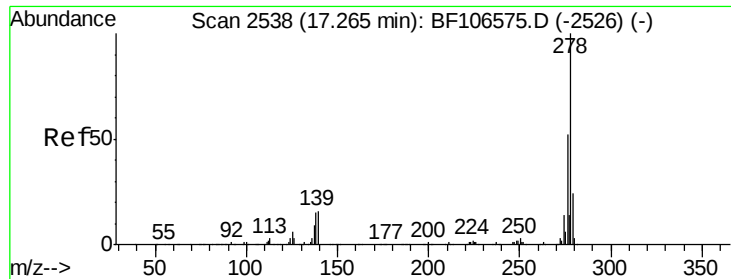
Tgt Ion:252 Resp: 97890  
Ion Ratio Lower Upper  
252 100  
253 23.8 17.9 26.9  
125 11.4 10.2 15.2



#89  
Benzo(a)pyrene  
Concen: 13.438 ng  
RT: 15.61 min Scan# 2257  
Delta R.T. -0.04 min  
Lab File: BF107287.D  
Acq: 10 Jul 2018 21:42

Tgt Ion:252 Resp: 50163  
Ion Ratio Lower Upper  
252 100  
253 25.2 17.1 25.7  
125 12.7 9.8 14.6





#90

Dibenzo(a,h)anthracene

Concen: 2.704 ng

RT: 17.27 min Scan# 2539

Delta R.T. -0.05 min

Lab File: BF107287.D

Acq: 10 Jul 2018 21:42

Instrument :

BNA\_F

ClientSampleId :

B1

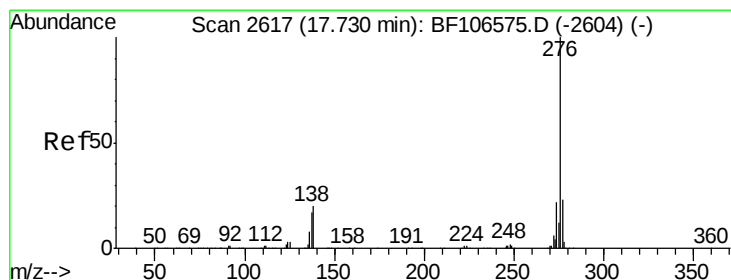
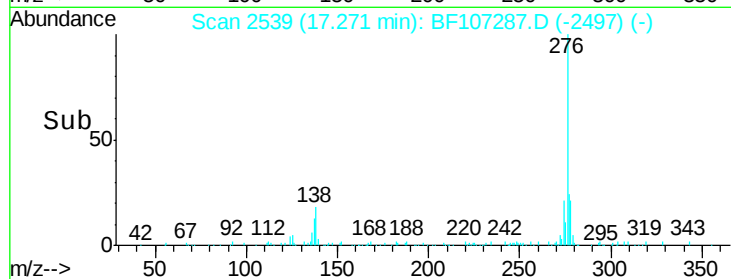
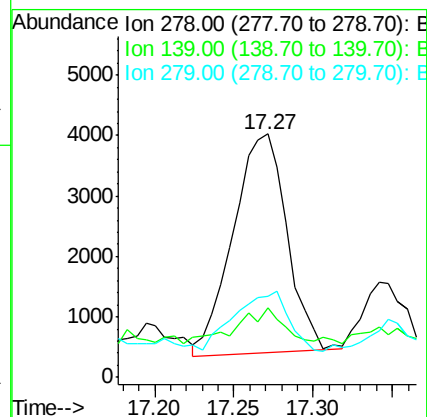
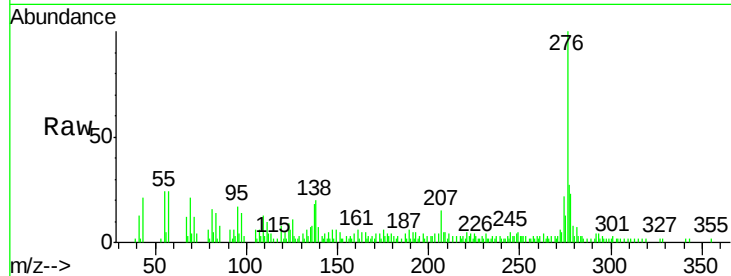
Tgt Ion:278 Resp: 8555

Ion Ratio Lower Upper

278 100

139 28.3 15.9 23.9#

279 33.3 19.0 28.4#



#91

Benzo(g,h,i)perylene

Concen: 10.297 ng

RT: 17.76 min Scan# 2622

Delta R.T. -0.03 min

Lab File: BF107287.D

Acq: 10 Jul 2018 21:42

Tgt Ion:276 Resp: 31840

Ion Ratio Lower Upper

276 100

277 26.4 17.9 26.9

138 19.2 21.8 32.8#

