

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070218\  
 Data File : BF107061.D  
 Acq On : 3 Jul 2018 00:16  
 Operator : JU/SJ  
 Sample : J3638-01DL 4X  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jul 03 01:26:31 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 | 6.95  | 152  | 68327    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.24  | 136  | 254739   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10      | 10.00 | 164  | 112912   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.50 | 188  | 194216   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.15 | 240  | 165729   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12          | 15.70 | 264  | 128644   | 20.00 | ng    | -0.02    |

|                             |       |     |        |       |    |       |
|-----------------------------|-------|-----|--------|-------|----|-------|
| System Monitoring Compounds |       |     |        |       |    |       |
| 5) 2-Fluorophenol           | 5.60  | 112 | 143671 | 35.61 | ng | 0.00  |
| 7) Phenol-d6                | 6.60  | 99  | 173832 | 34.50 | ng | -0.01 |
| 23) Nitrobenzene-d5         | 7.52  | 82  | 98108  | 21.40 | ng | -0.02 |
| 41) 2,4,6-Tribromophenol    | 10.80 | 330 | 41365  | 31.61 | ng | 0.00  |
| 44) 2-Fluorobiphenyl        | 9.31  | 172 | 214578 | 21.07 | ng | -0.02 |
| 78) Terphenyl-d14           | 13.08 | 244 | 220820 | 32.28 | ng | 0.00  |

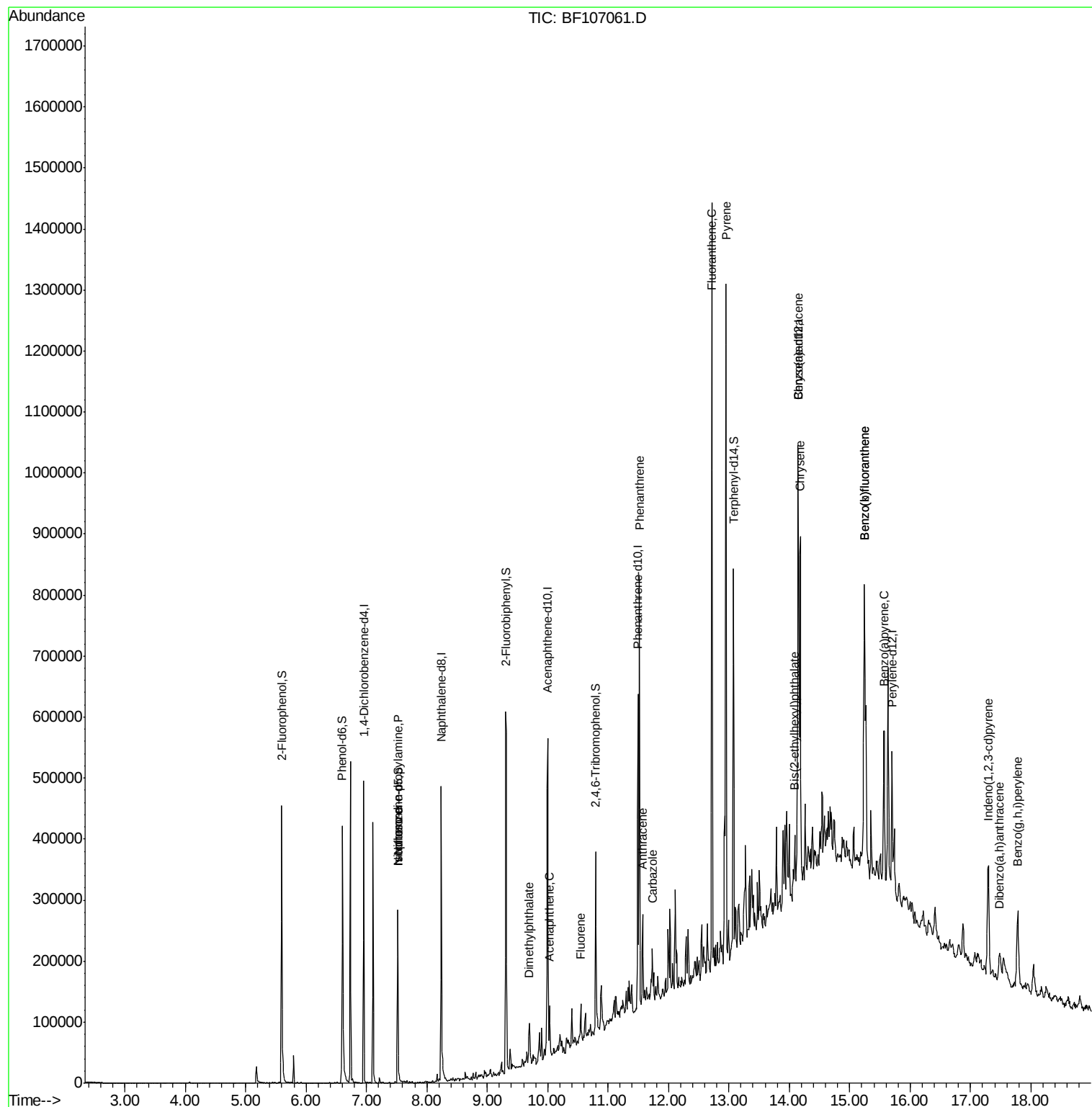
|                                |       |     |        |        |    |      |
|--------------------------------|-------|-----|--------|--------|----|------|
| Target Compounds               |       |     |        | Qvalue |    |      |
| 19) n-Nitroso-di-n-propylamine | 7.52  | 70  | 12271  | 3.694  | ng | # 73 |
| 25) Isophorone                 | 7.52  | 82  | 98107  | 12.146 | ng | # 64 |
| 49) Dimethylphthalate          | 9.70  | 163 | 23140  | 2.732  | ng | # 95 |
| 51) Acenaphthene               | 10.03 | 154 | 14354  | 2.038  | ng | 95   |
| 57) Fluorene                   | 10.55 | 166 | 15761  | 2.060  | ng | # 93 |
| 70) Phenanthrene               | 11.52 | 178 | 272032 | 29.040 | ng | 98   |
| 71) Anthracene                 | 11.57 | 178 | 55090  | 5.762  | ng | 99   |
| 72) Carbazole                  | 11.73 | 167 | 30920  | 3.454  | ng | 98   |
| 74) Fluoranthene               | 12.72 | 202 | 546569 | 52.938 | ng | 96   |
| 77) Pyrene                     | 12.95 | 202 | 512179 | 46.866 | ng | 100  |
| 80) Benzo(a)anthracene         | 14.14 | 228 | 270560 | 26.786 | ng | 98   |
| 82) Chrysene                   | 14.18 | 228 | 255379 | 27.482 | ng | 97   |
| 83) Bis(2-ethylhexyl)phthalate | 14.09 | 149 | 27525  | 4.791  | ng | # 95 |
| 85) Indeno(1,2,3-cd)pyrene     | 17.29 | 276 | 123901 | 15.712 | ng | # 86 |
| 87) Benzo(b)fluoranthene       | 15.24 | 252 | 413633 | 51.760 | ng | 96   |
| 88) Benzo(k)fluoranthene       | 15.24 | 252 | 413633 | 54.353 | ng | # 96 |
| 89) Benzo(a)pyrene             | 15.57 | 252 | 146195 | 20.579 | ng | 97   |
| 90) Dibenzo(a,h)anthracene     | 17.48 | 278 | 22750  | 3.779  | ng | 97   |
| 91) Benzo(a,h,i)perylene       | 17.78 | 276 | 122743 | 20.858 | ng | # 89 |

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

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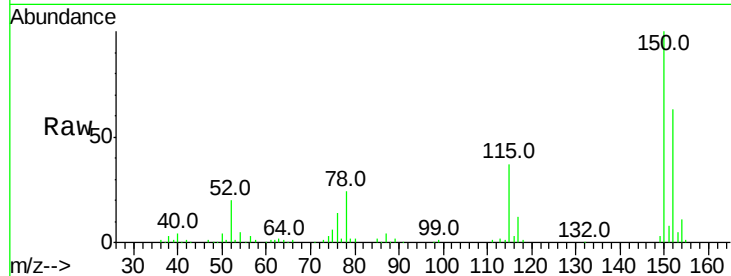


#1

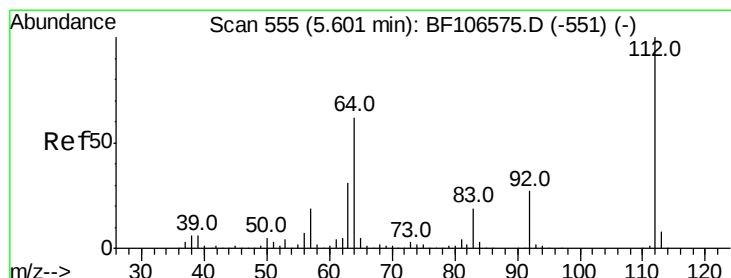
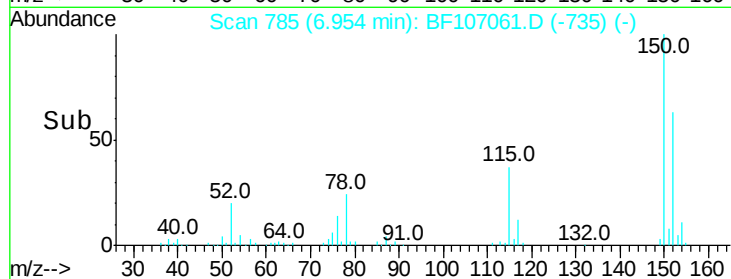
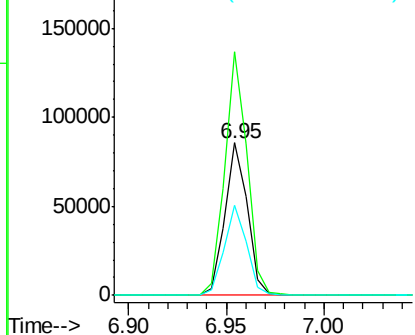
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.95 min Scan# 785  
Delta R.T. -0.01 min  
Lab File: BF107061.D  
Acq: 3 Jul 2018 00:16

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 68327  
Ion Ratio Lower Upper  
152 100  
150 159.9 124.6 186.8  
115 59.4 50.1 75.1



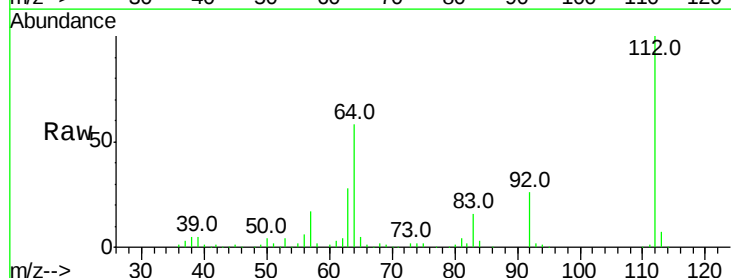
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



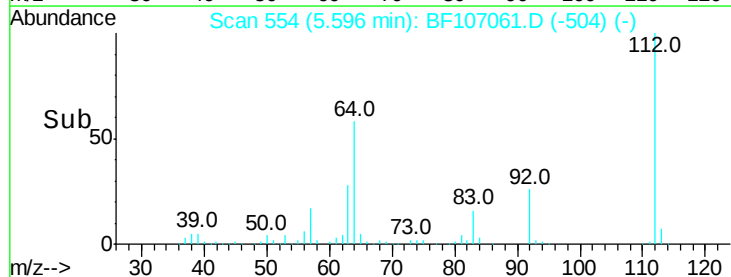
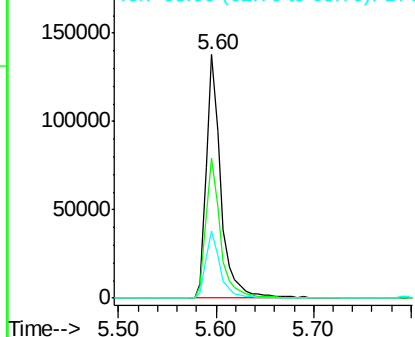
#5

2-Fluorophenol  
Concen: 35.605 ng  
RT: 5.60 min Scan# 554  
Delta R.T. -0.01 min  
Lab File: BF107061.D  
Acq: 3 Jul 2018 00:16

Tgt Ion:112 Resp: 143671  
Ion Ratio Lower Upper  
112 100  
64 57.7 47.9 71.9  
63 27.6 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: 34.497 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107061.D

Acq: 3 Jul 2018 00:16

Instrument :

BNA\_F

ClientSampleId :

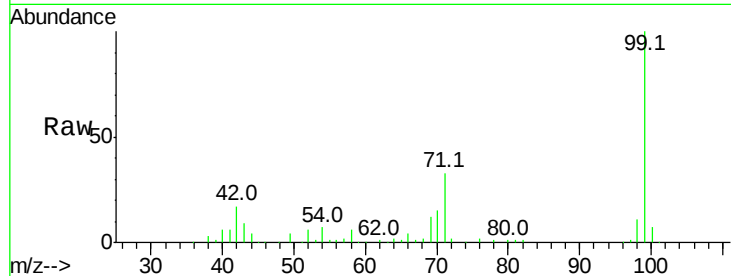
Tot Ion: 99 Resp: 173832

Ion Ratio Lower Upper

99 100

42 16.6 14.5 21.7

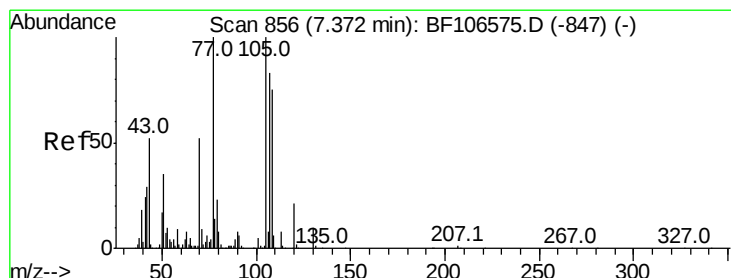
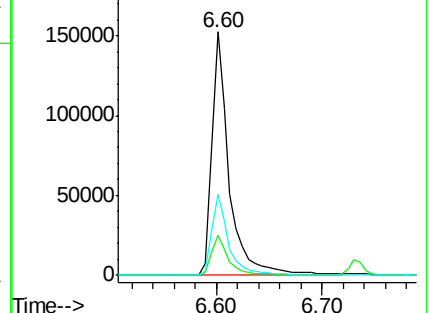
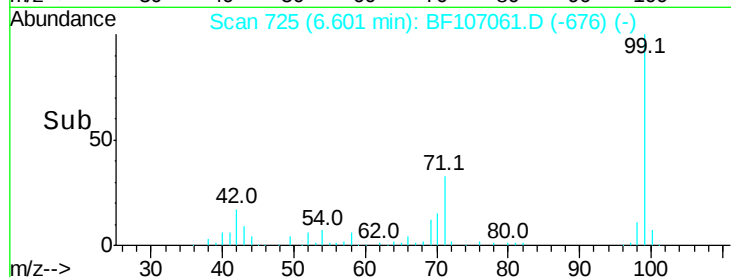
71 33.4 25.4 38.0



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: 3.694 ng

RT: 7.52 min Scan# 881

Delta R.T. 0.14 min

Lab File: BF107061.D

Acq: 3 Jul 2018 00:16

Tgt Ion: 70 Resp: 12271

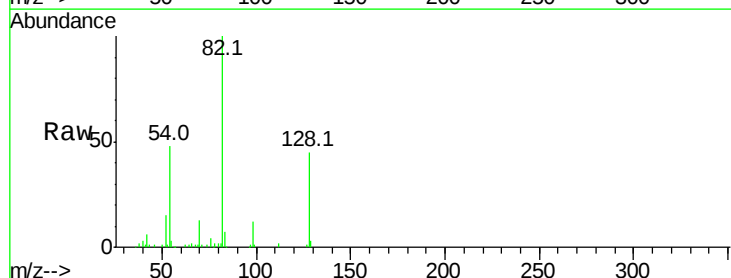
Ion Ratio Lower Upper

70 100

42 43.1 47.5 71.3#

101 0.0 7.4 11.2#

130 0.0 16.6 25.0#

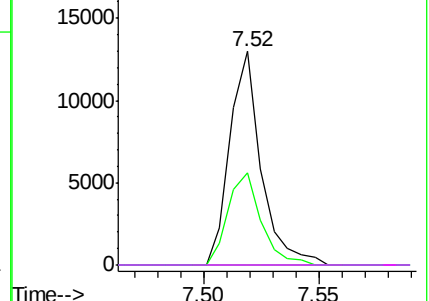
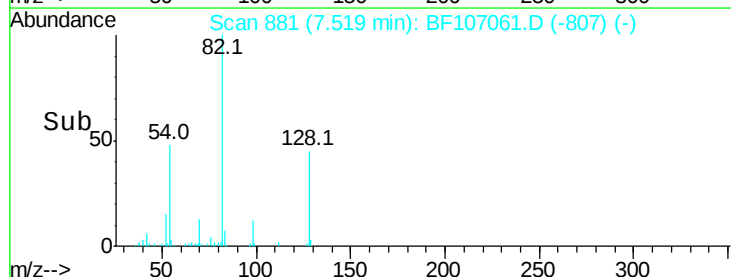


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

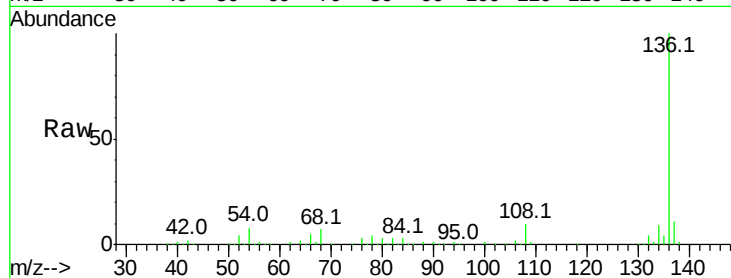




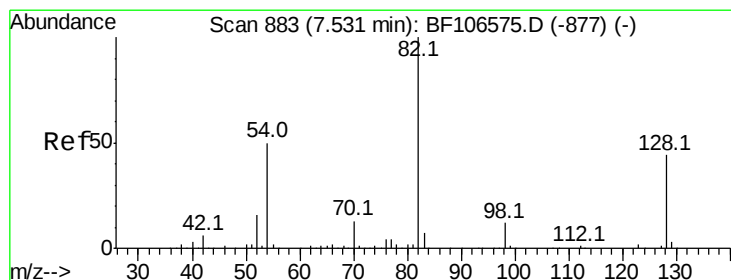
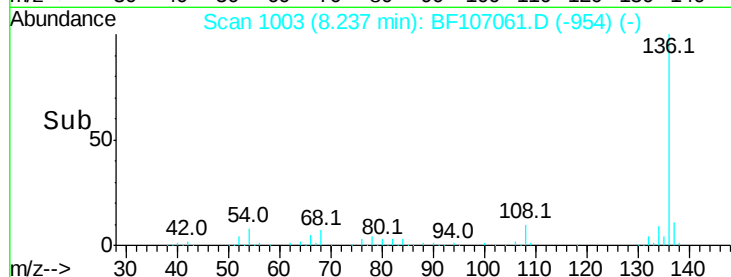
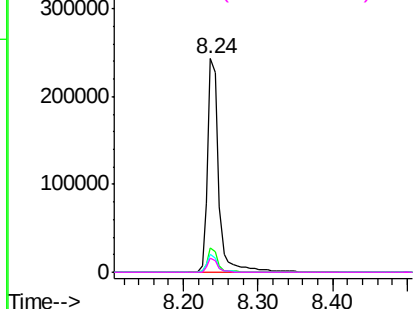
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.24 min Scan# 1003  
Delta R.T. -0.01 min  
Lab File: BF107061.D  
Acq: 3 Jul 2018 00:16

Instrument :  
BNA\_F  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 136   | Resp: | 254739 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.3  | 8.9   | 13.3   |
| 54       | 8.3   | 6.6   | 9.8    |
| 68       | 6.7   | 5.0   | 7.4    |

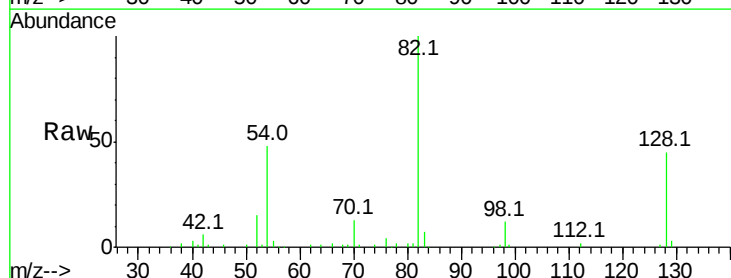


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

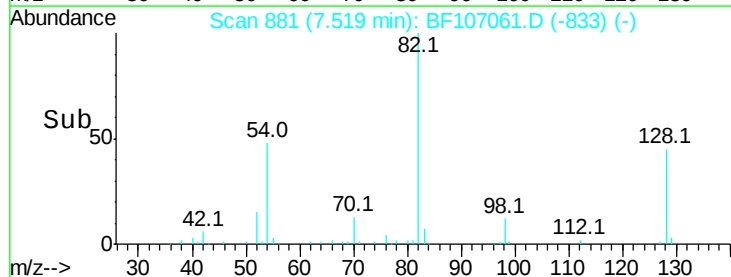
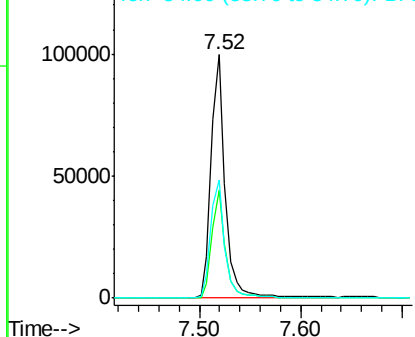


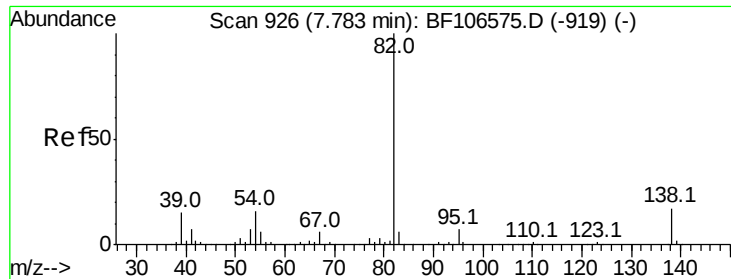
#23  
Nitrobenzene-d5  
Concen: 21.403 ng  
RT: 7.52 min Scan# 881  
Delta R.T. -0.02 min  
Lab File: BF107061.D  
Acq: 3 Jul 2018 00:16

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 98108 |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 44.5  | 36.1  | 54.1  |
| 54       | 48.3  | 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: 12.146 ng

RT: 7.52 min Scan# 881

Delta R.T. -0.27 min

Lab File: BF107061.D

Acq: 3 Jul 2018 00:16

Instrument :

BNA\_F

ClientSampled :

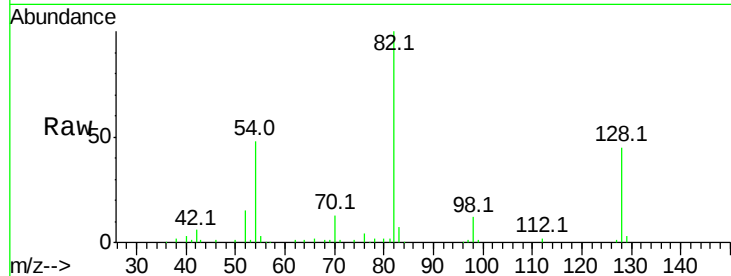
Tot Ion: 82 Resp: 98107

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

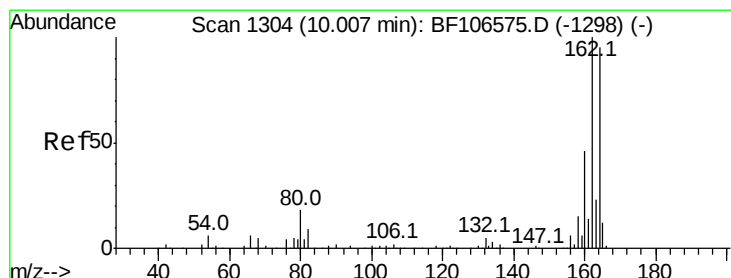
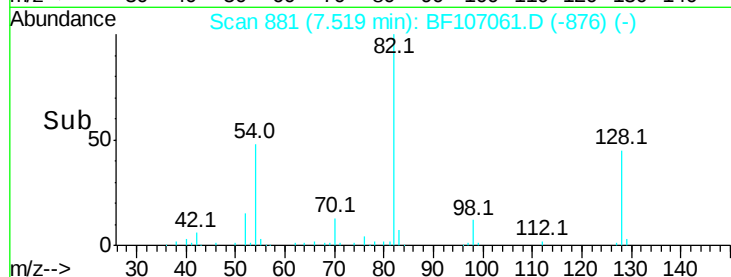
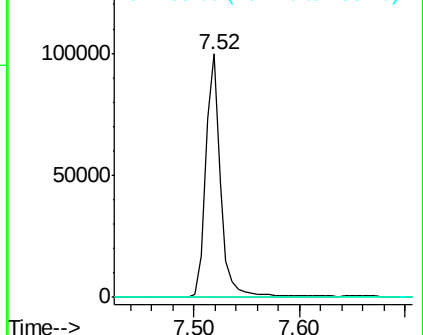
138 0.0 14.9 22.3#



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: 10.00 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF107061.D

Acq: 3 Jul 2018 00:16

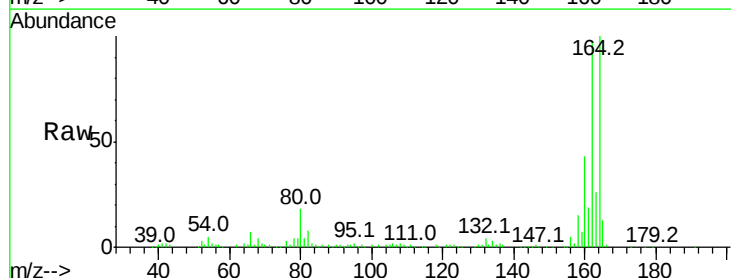
Tgt Ion:164 Resp: 112912

Ion Ratio Lower Upper

164 100

162 96.9 86.1 129.1

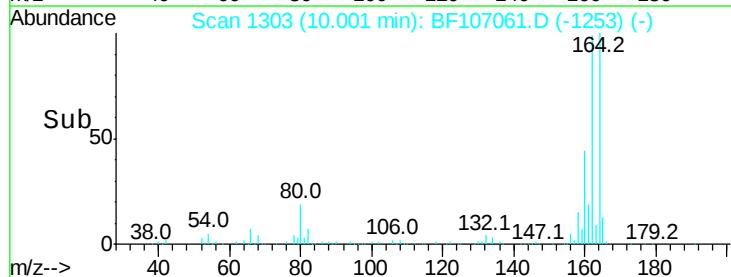
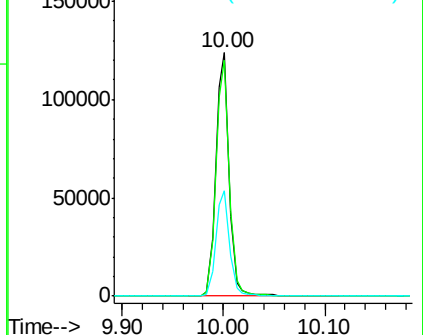
160 43.5 38.3 57.5



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

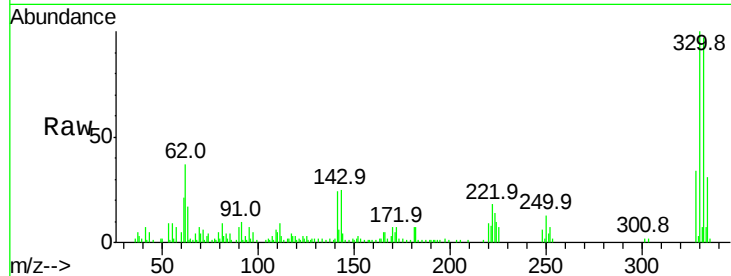




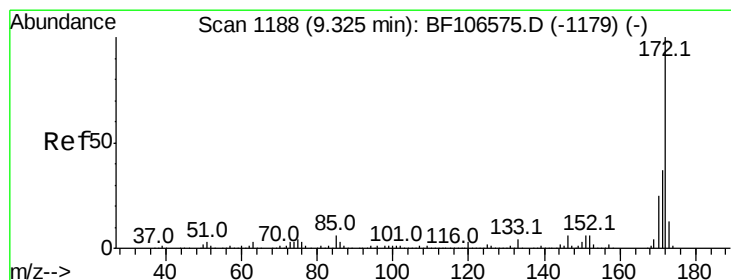
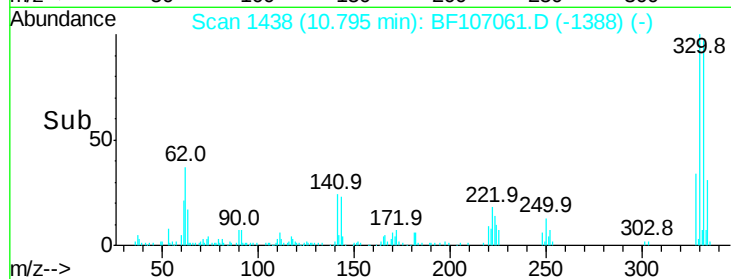
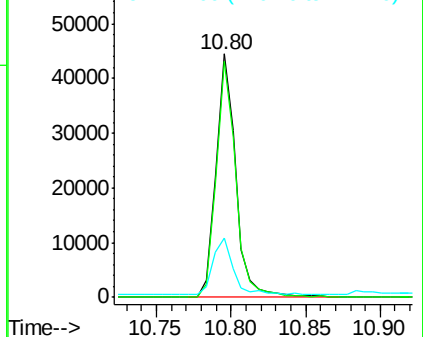
#41  
 2,4,6-Tribromophenol  
 Concen: 31.608 ng  
 RT: 10.80 min Scan# 1438  
 Delta R.T. -0.01 min  
 Lab File: BF107061.D  
 Acq: 3 Jul 2018 00:16

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:330 Resp: 41365  
 Ion Ratio Lower Upper  
 330 100  
 332 95.9 77.0 115.6  
 141 23.7 29.9 44.9#

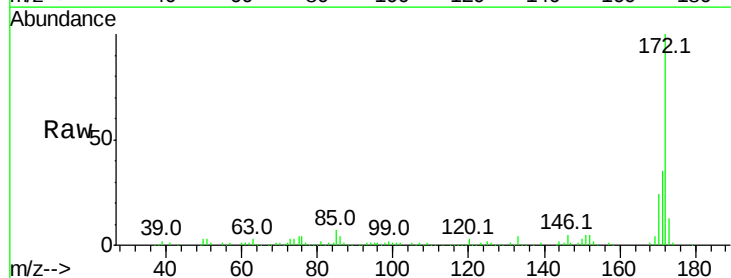


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

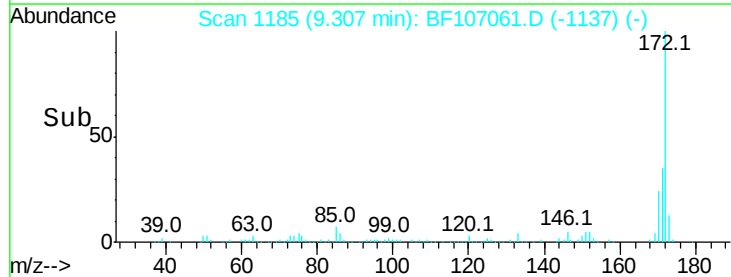
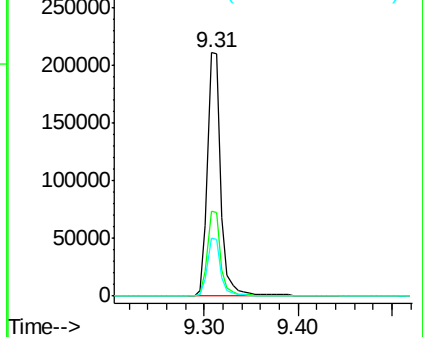


#44  
 2-Fluorobiphenyl  
 Concen: 21.073 ng  
 RT: 9.31 min Scan# 1185  
 Delta R.T. -0.02 min  
 Lab File: BF107061.D  
 Acq: 3 Jul 2018 00:16

Tgt Ion:172 Resp: 214578  
 Ion Ratio Lower Upper  
 172 100  
 171 34.7 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

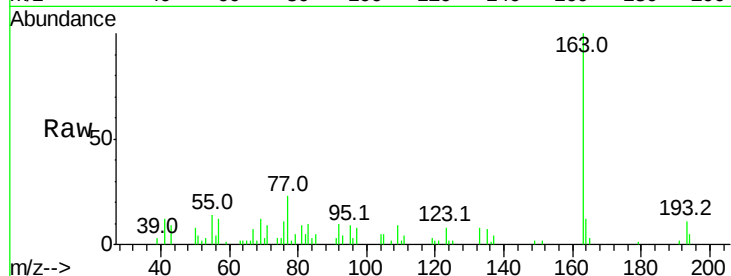




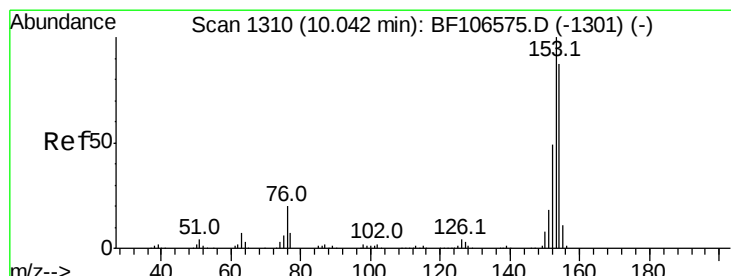
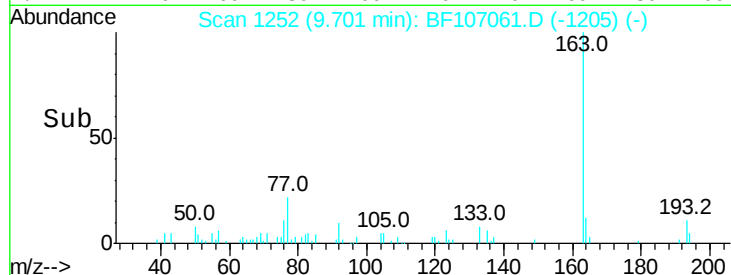
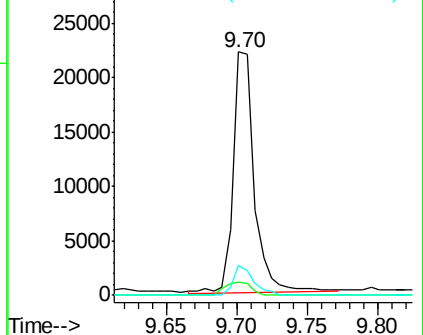
#49  
Dimethylphthalate  
Concen: 2.732 ng  
RT: 9.70 min Scan# 1252  
Delta R.T. -0.02 min  
Lab File: BF107061.D  
Acq: 3 Jul 2018 00:16

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:163 Resp: 23140  
Ion Ratio Lower Upper  
163 100  
194 5.3 2.7 4.1#  
164 12.2 8.2 12.2

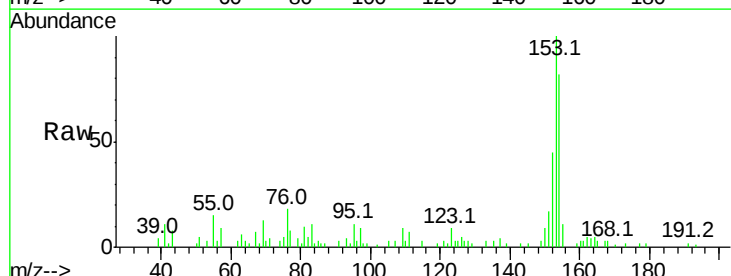


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

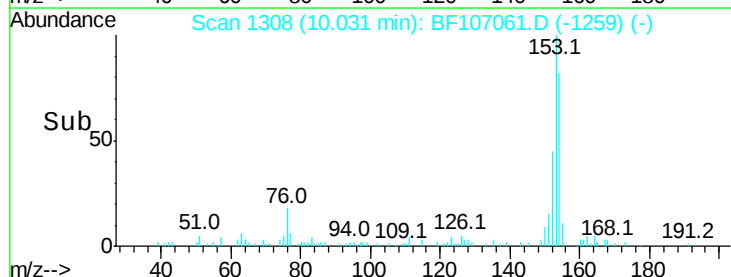
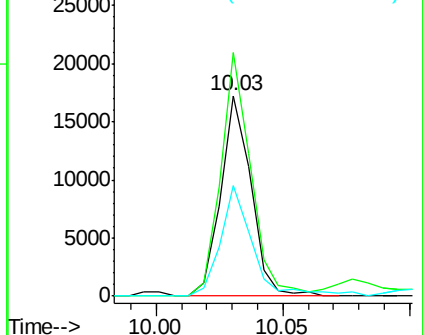


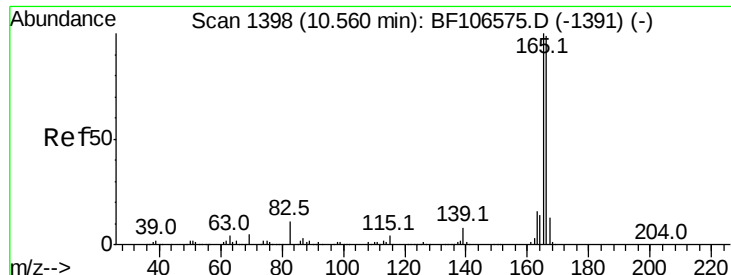
#51  
Acenaphthene  
Concen: 2.038 ng  
RT: 10.03 min Scan# 1308  
Delta R.T. -0.01 min  
Lab File: BF107061.D  
Acq: 3 Jul 2018 00:16

Tgt Ion:154 Resp: 14354  
Ion Ratio Lower Upper  
154 100  
153 121.4 91.2 136.8  
152 54.9 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





#57

Fluorene

Concen: 2.060 ng

RT: 10.55 min Scan# 1396

Delta R.T. -0.01 min

Lab File: BF107061.D

Acq: 3 Jul 2018 00:16

Instrument :

BNA\_F

ClientSampled :

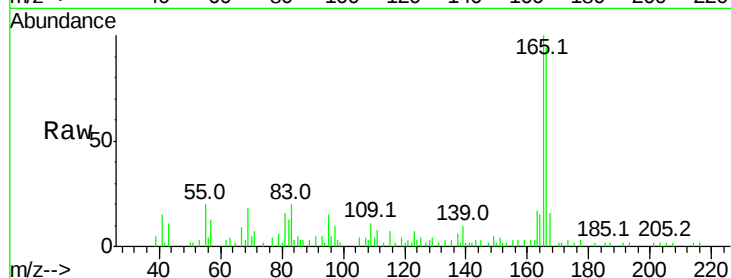
Tot Ion:166 Resp: 15761

Ion Ratio Lower Upper

166 100

165 106.2 79.8 119.8

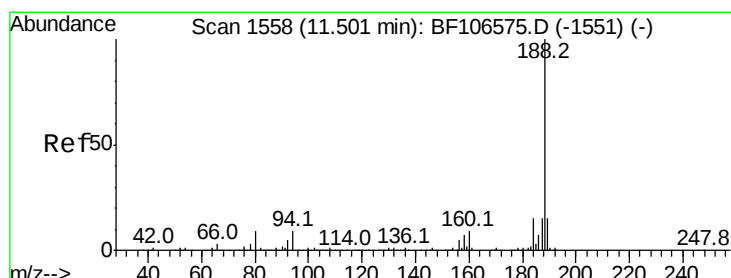
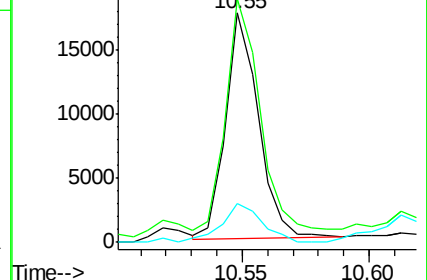
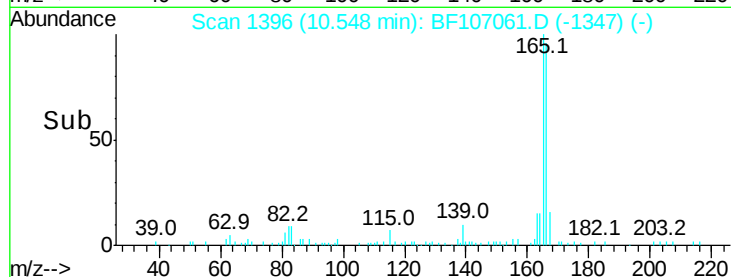
167 16.9 10.6 16.0#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.50 min Scan# 1557

Delta R.T. -0.01 min

Lab File: BF107061.D

Acq: 3 Jul 2018 00:16

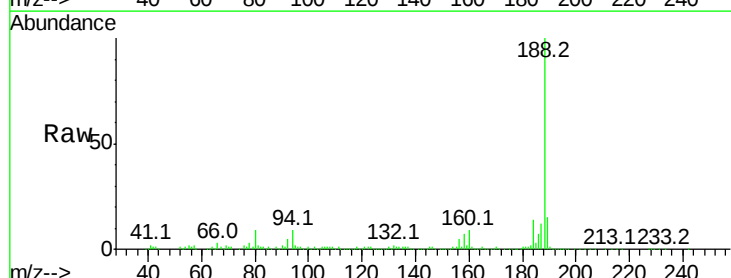
Tgt Ion:188 Resp: 194216

Ion Ratio Lower Upper

188 100

94 9.0 8.5 12.7

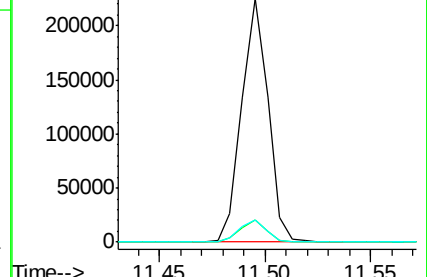
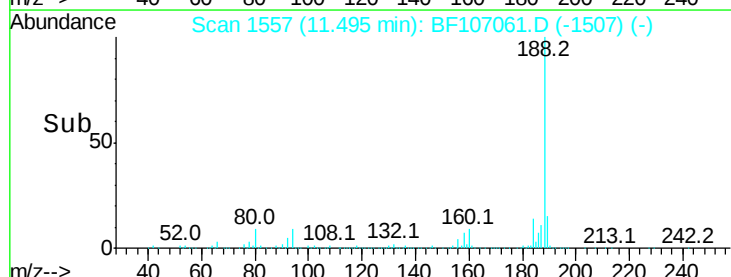
80 9.3 9.2 13.8

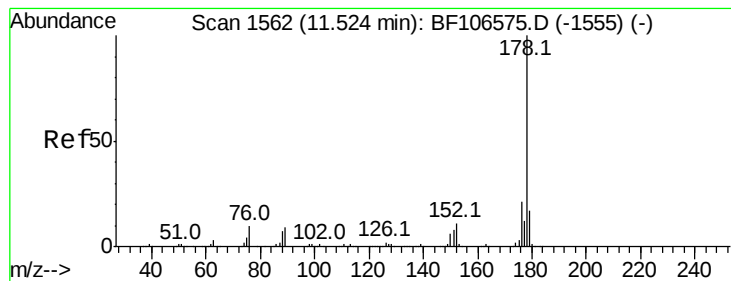


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#70

Phenanthrene

Concen: 29.040 ng

RT: 11.52 min Scan# 1561

Delta R.T. -0.01 min

Lab File: BF107061.D

Acq: 3 Jul 2018 00:16

Instrument :

BNA\_F

ClientSampleId :

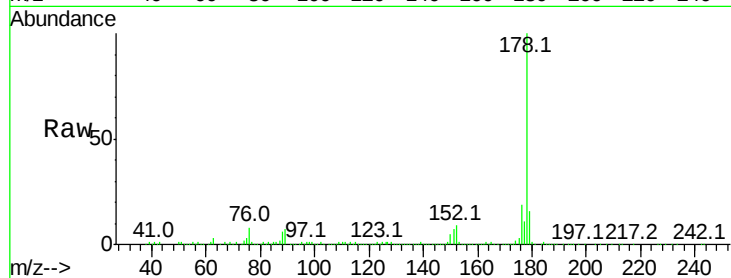
Tot Ion:178 Resp: 272032

Ion Ratio Lower Upper

178 100

176 18.8 15.8 23.8

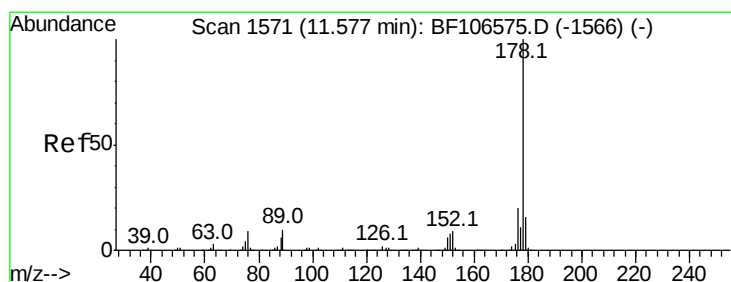
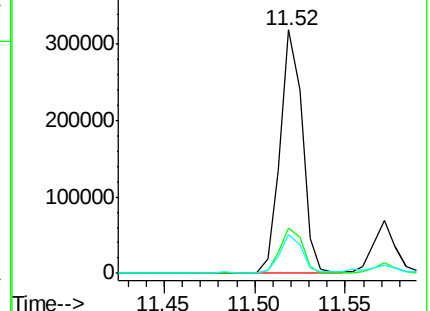
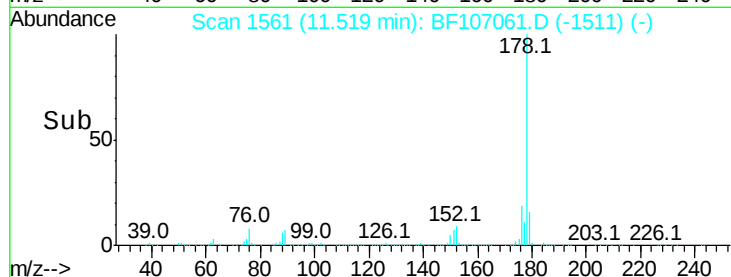
179 15.7 13.0 19.6



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: 5.762 ng

RT: 11.57 min Scan# 1570

Delta R.T. -0.01 min

Lab File: BF107061.D

Acq: 3 Jul 2018 00:16

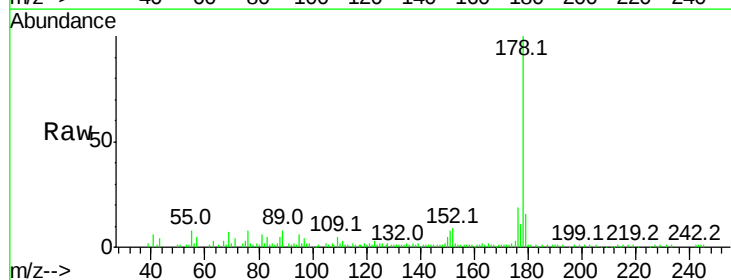
Tgt Ion:178 Resp: 55090

Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.2

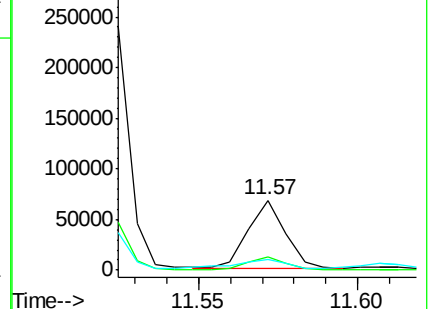
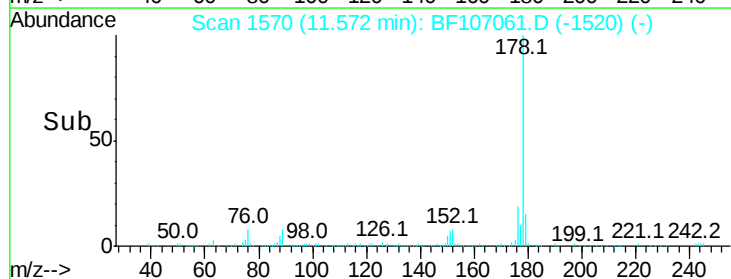
179 16.2 12.6 19.0

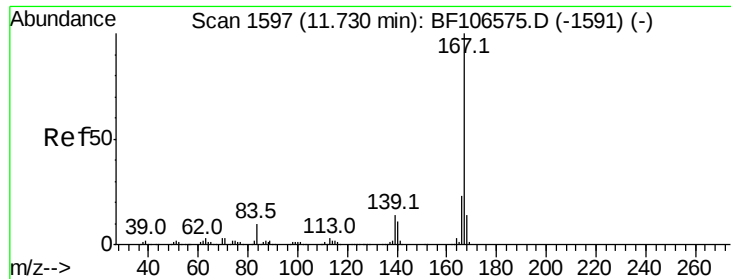


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

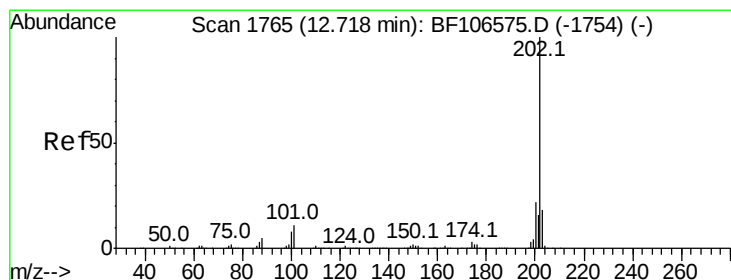
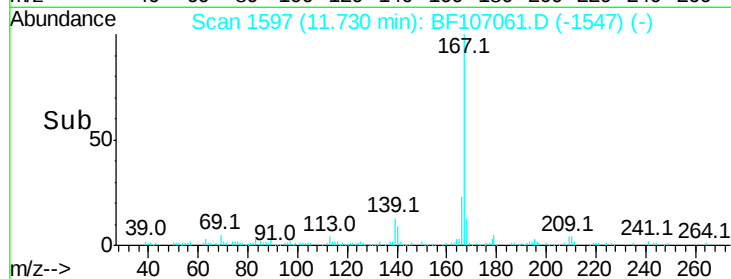
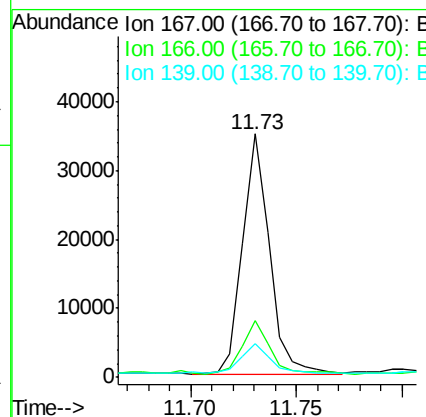
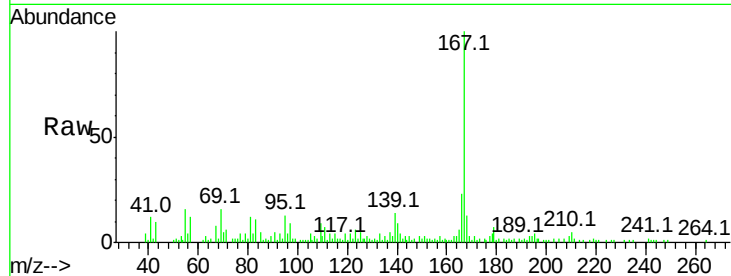




#72  
 Carbazole  
 Concen: 3.454 ng  
 RT: 11.73 min Scan# 1597  
 Delta R.T. -0.01 min  
 Lab File: BF107061.D  
 Acq: 3 Jul 2018 00:16

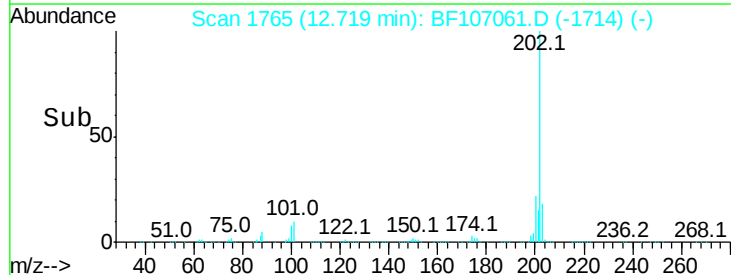
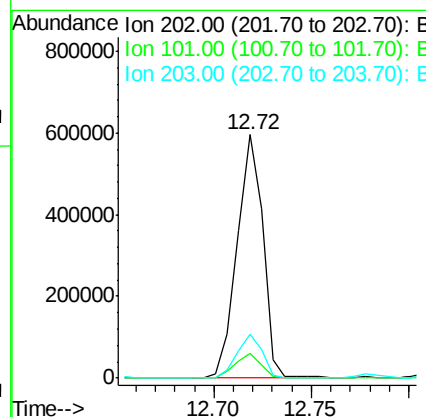
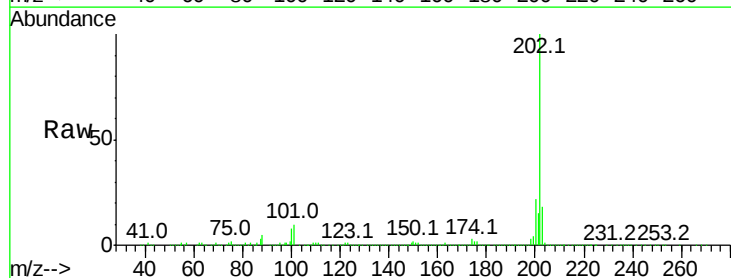
Instrument :  
 BNA\_F  
 ClientSampleId :

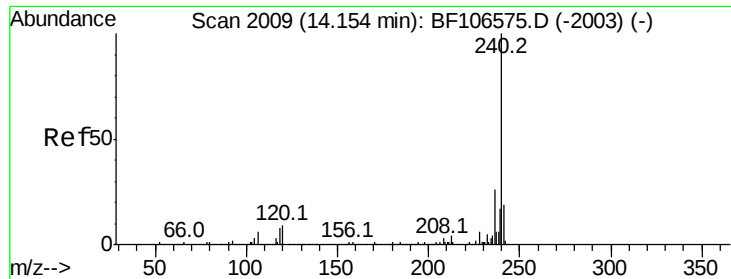
Tot Ion:167 Resp: 30920  
 Ion Ratio Lower Upper  
 167 100  
 166 23.5 17.6 26.4  
 139 13.9 10.9 16.3



#74  
 Fluoranthene  
 Concen: 52.938 ng  
 RT: 12.72 min Scan# 1765  
 Delta R.T. 0.00 min  
 Lab File: BF107061.D  
 Acq: 3 Jul 2018 00:16

Tgt Ion:202 Resp: 546569  
 Ion Ratio Lower Upper  
 202 100  
 101 10.3 0.0 34.1  
 203 17.9 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BF107061.D

Acq: 3 Jul 2018 00:16

Instrument :

BNA\_F

ClientSampled :

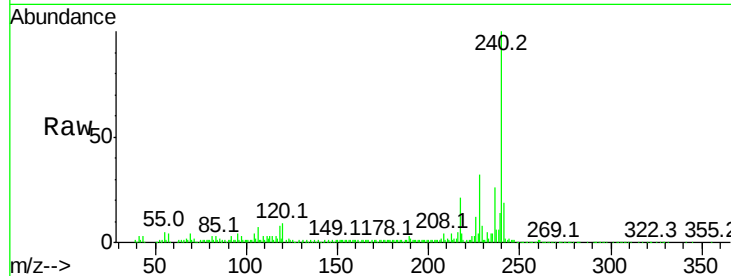
Tot Ion:240 Resp: 165729

Ion Ratio Lower Upper

240 100

120 9.3 9.5 14.3#

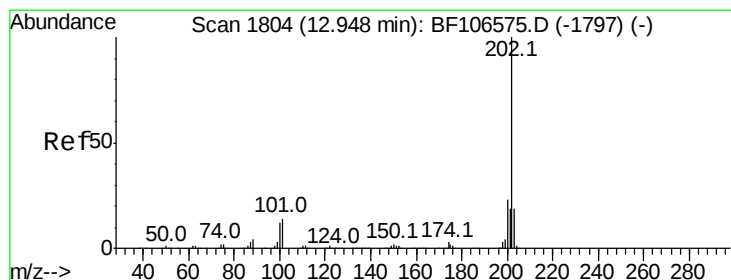
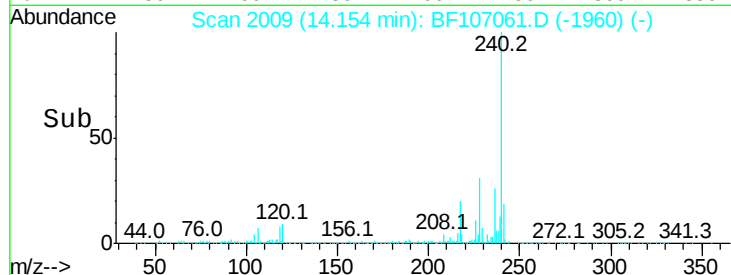
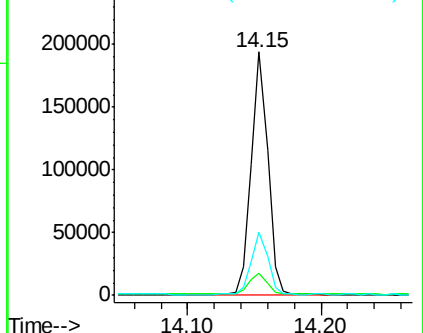
236 25.9 20.7 31.1



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: 46.866 ng

RT: 12.95 min Scan# 1805

Delta R.T. 0.01 min

Lab File: BF107061.D

Acq: 3 Jul 2018 00:16

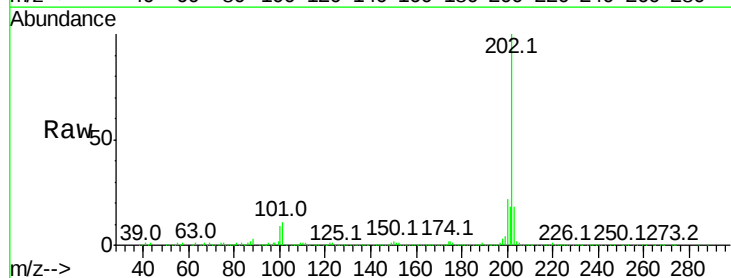
Tgt Ion:202 Resp: 512179

Ion Ratio Lower Upper

202 100

200 21.9 17.4 26.2

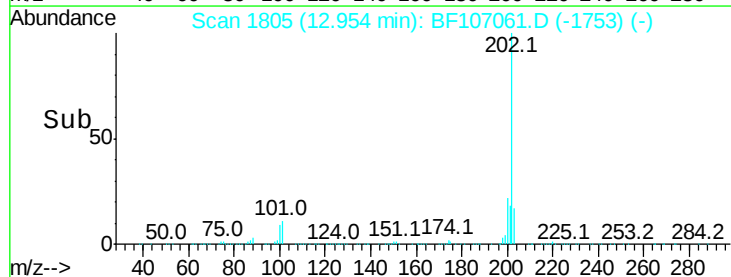
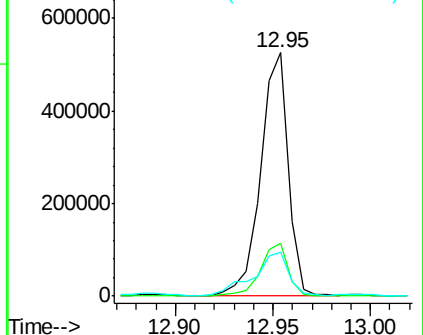
203 18.0 14.3 21.5

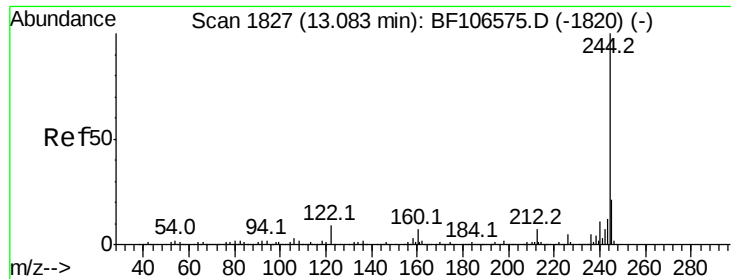


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 32.275 ng

RT: 13.08 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF107061.D

Acq: 3 Jul 2018 00:16

Instrument :

BNA\_F

ClientSampleId :

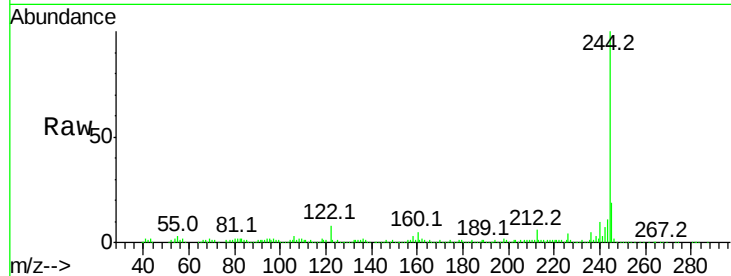
Tot Ion:244 Resp: 220820

Ion Ratio Lower Upper

244 100

212 5.9 5.4 8.0

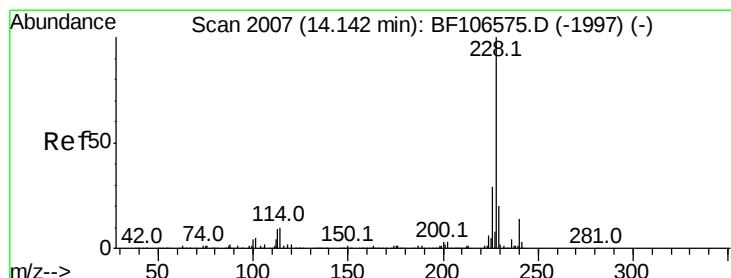
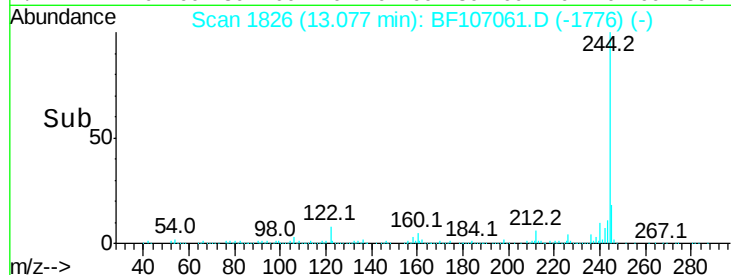
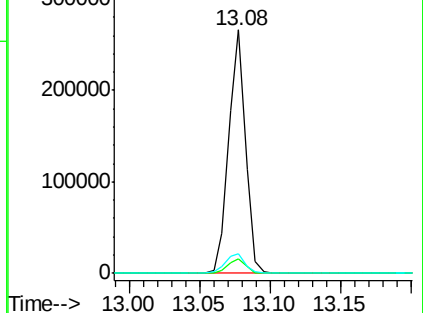
122 8.3 11.0 16.4#



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



#80

Benzo(a)anthracene

Concen: 26.786 ng

RT: 14.14 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF107061.D

Acq: 3 Jul 2018 00:16

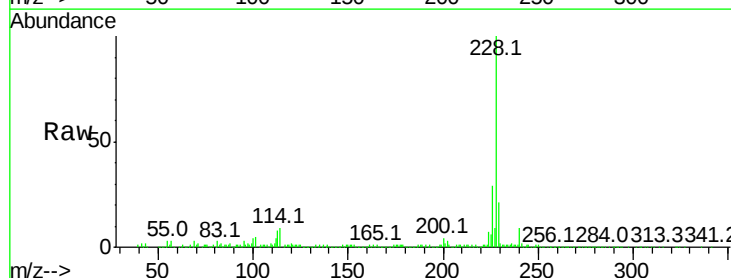
Tgt Ion:228 Resp: 270560

Ion Ratio Lower Upper

228 100

226 28.9 22.6 33.8

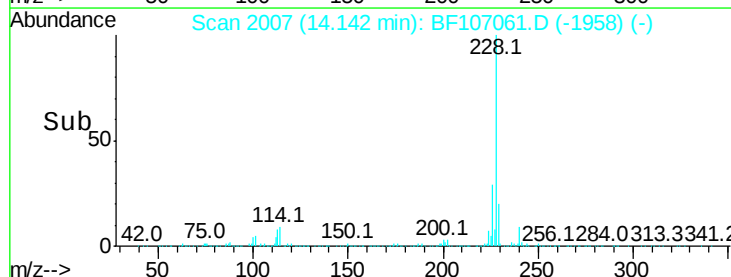
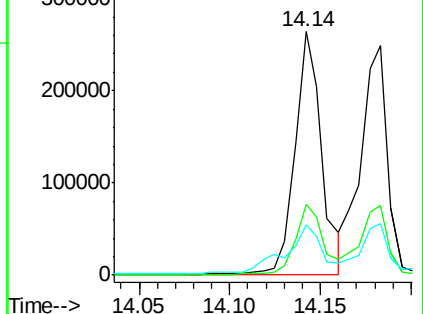
229 20.8 15.8 23.6

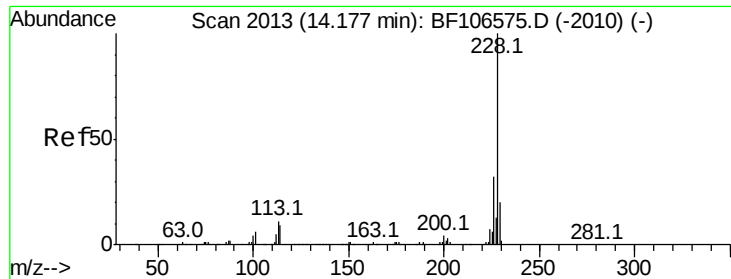


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

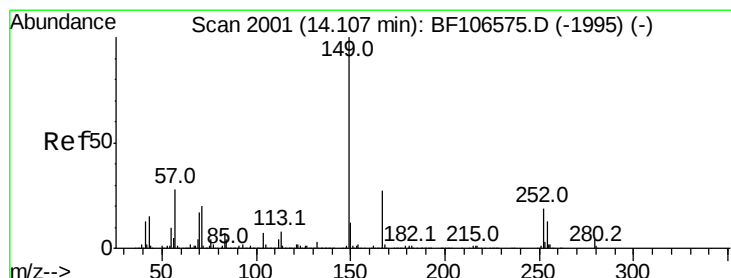
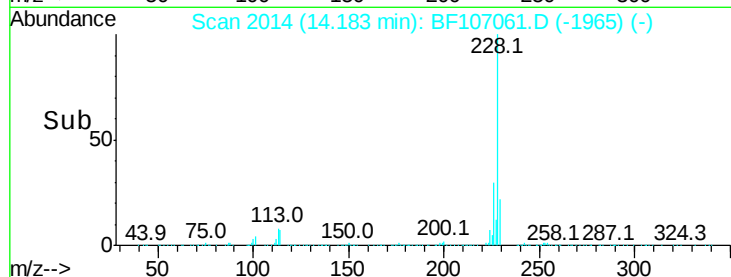
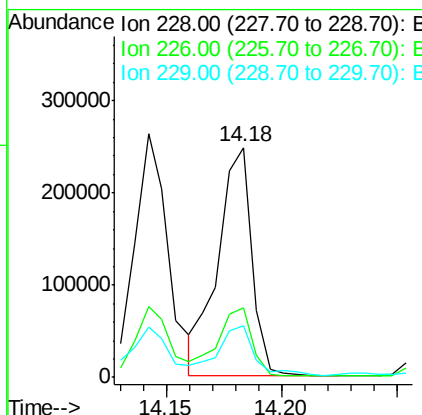
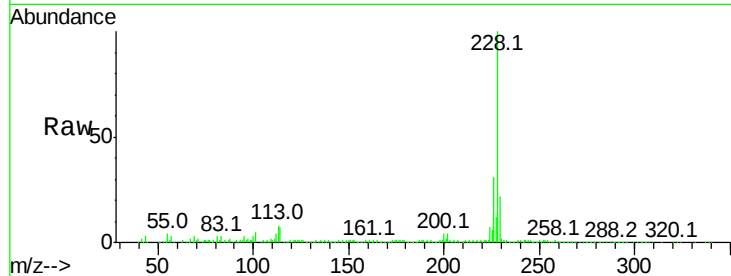




#82  
 Chrysene  
 Concen: 27.482 ng  
 RT: 14.18 min Scan# 2014  
 Delta R.T. -0.01 min  
 Lab File: BF107061.D  
 Acq: 3 Jul 2018 00:16

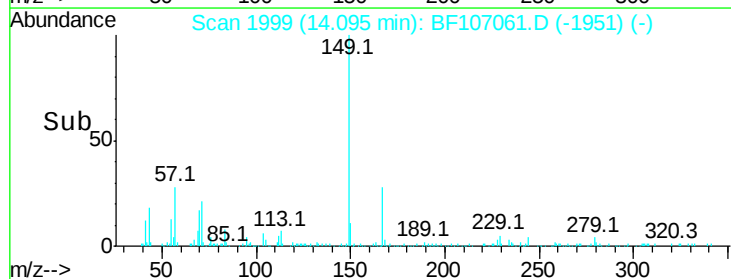
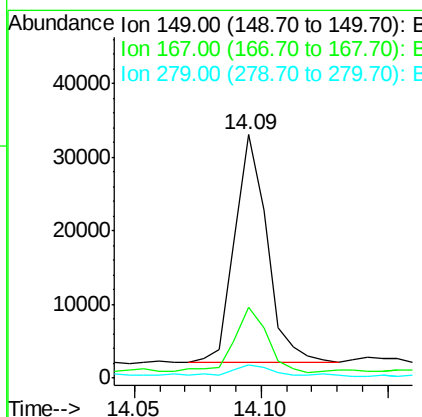
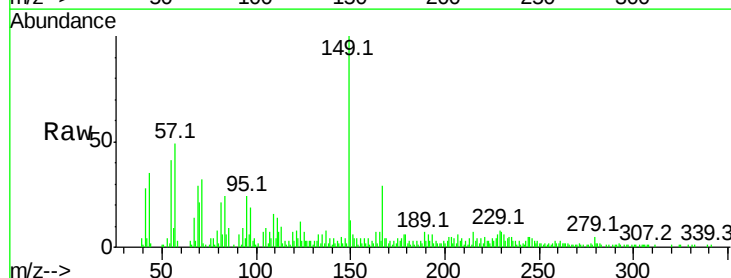
Instrument :  
 BNA\_F  
 ClientSampleId :

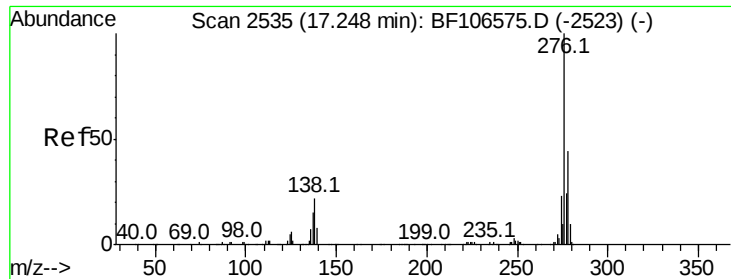
|             |       |             |
|-------------|-------|-------------|
| Tot Ion:228 | Resp: | 255379      |
| Ion         | Ratio | Lower Upper |
| 228         | 100   |             |
| 226         | 30.6  | 25.0 37.6   |
| 229         | 22.5  | 16.2 24.4   |



#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 4.791 ng  
 RT: 14.09 min Scan# 1999  
 Delta R.T. -0.02 min  
 Lab File: BF107061.D  
 Acq: 3 Jul 2018 00:16

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:149 | Resp: | 27525       |
| Ion         | Ratio | Lower Upper |
| 149         | 100   |             |
| 167         | 29.0  | 21.3 31.9   |
| 279         | 5.2   | 3.0 4.4#    |

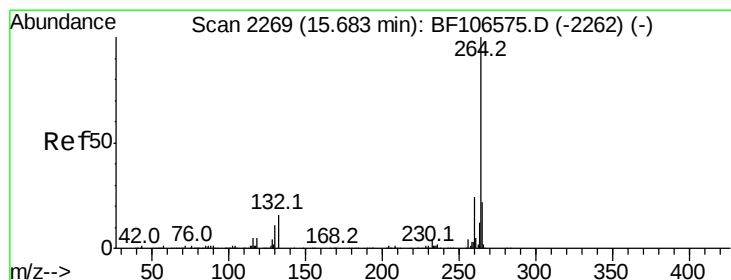
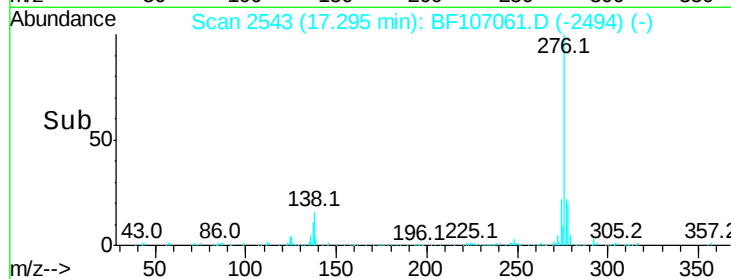
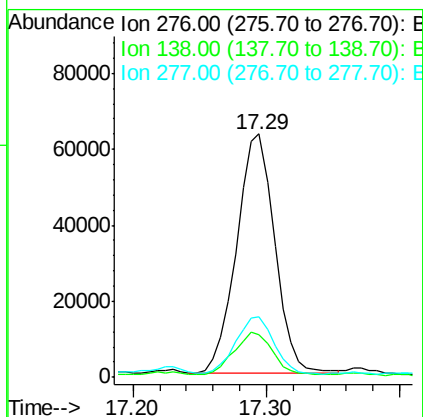
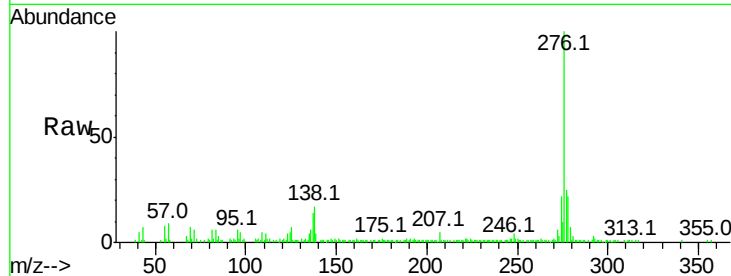




#85  
Indeno(1,2,3-cd)pyrene  
Concen: 15.712 ng  
RT: 17.29 min Scan# 2543  
Delta R.T. -0.01 min  
Lab File: BF107061.D  
Acq: 3 Jul 2018 00:16

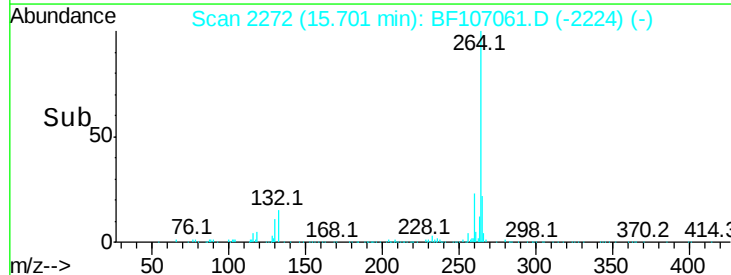
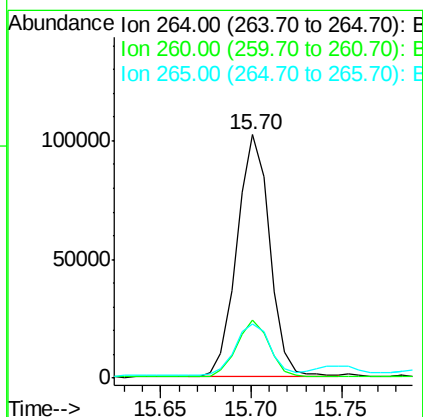
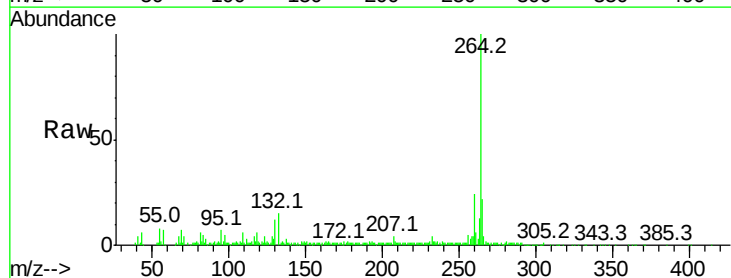
Instrument :  
BNA\_F  
ClientSampleId :

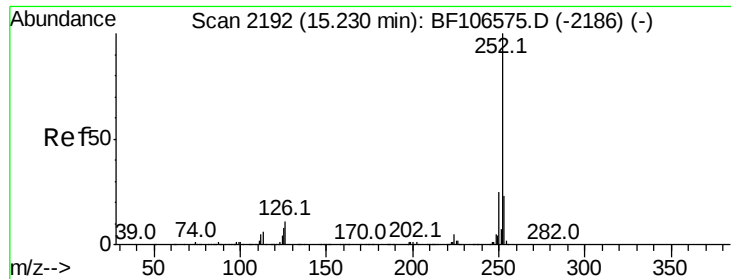
Tot Ion:276 Resp: 123901  
Ion Ratio Lower Upper  
276 100  
138 18.3 25.0 37.6#  
277 24.3 20.1 30.1



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.70 min Scan# 2272  
Delta R.T. -0.02 min  
Lab File: BF107061.D  
Acq: 3 Jul 2018 00:16

Tgt Ion:264 Resp: 128644  
Ion Ratio Lower Upper  
264 100  
260 23.7 19.2 28.8  
265 22.3 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 51.760 ng

RT: 15.24 min Scan# 2194

Delta R.T. -0.02 min

Lab File: BF107061.D

Acq: 3 Jul 2018 00:16

Instrument :

BNA\_F

ClientSampleId :

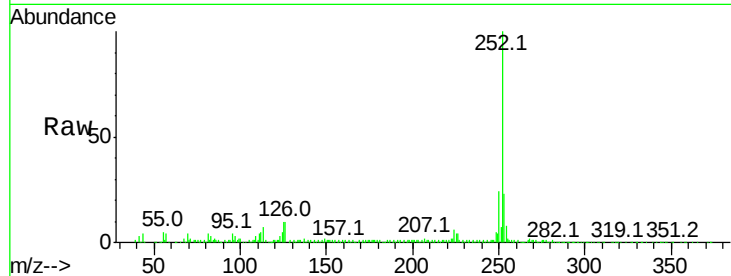
Tot Ion:252 Resp: 413633

Ion Ratio Lower Upper

252 100

253 23.0 17.0 25.6

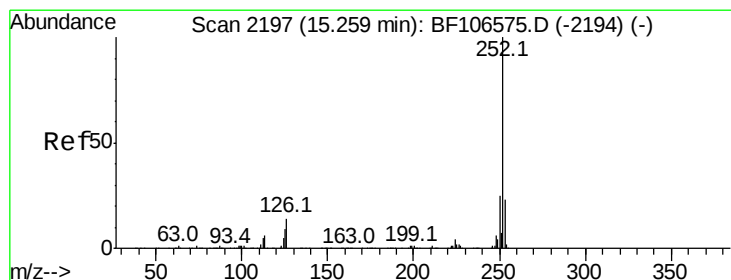
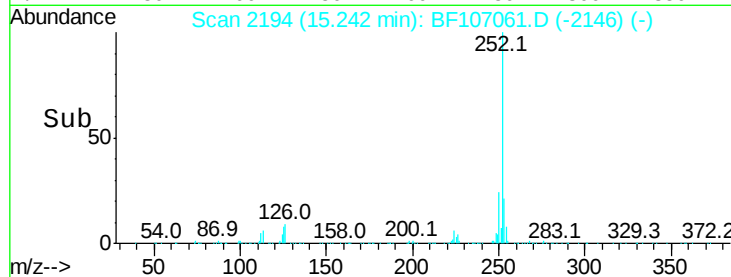
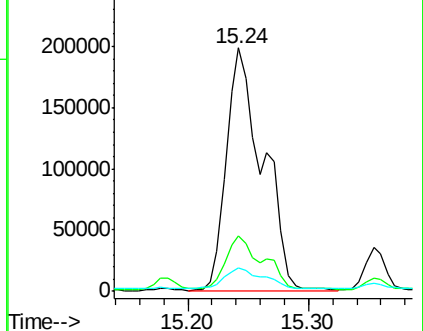
125 9.7 9.0 13.6



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: 54.353 ng

RT: 15.24 min Scan# 2194

Delta R.T. -0.05 min

Lab File: BF107061.D

Acq: 3 Jul 2018 00:16

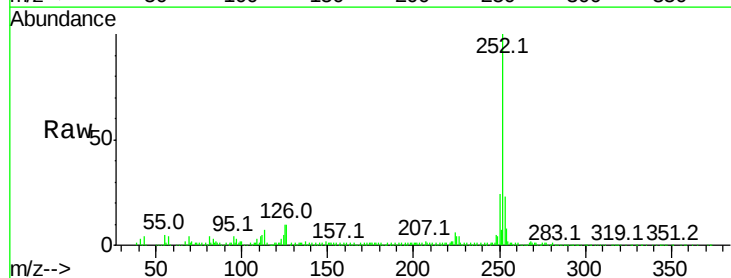
Tgt Ion:252 Resp: 413633

Ion Ratio Lower Upper

252 100

253 23.0 17.9 26.9

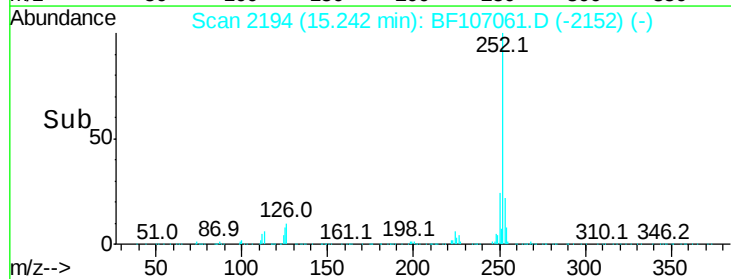
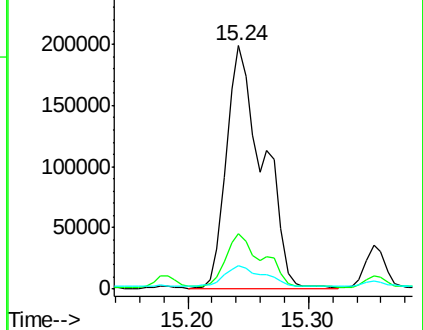
125 9.7 10.2 15.2#

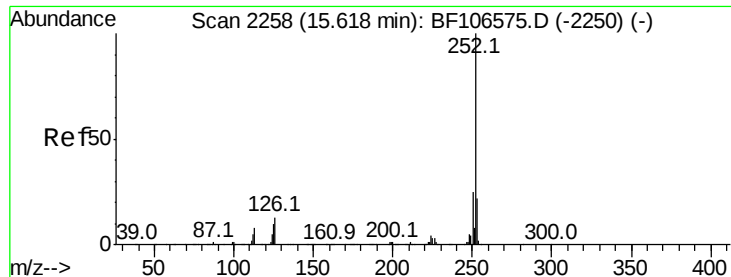


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 20.579 ng

RT: 15.57 min Scan# 2249

Delta R.T. -0.09 min

Lab File: BF107061.D

Acq: 3 Jul 2018 00:16

Instrument :

BNA\_F

ClientSampleId :

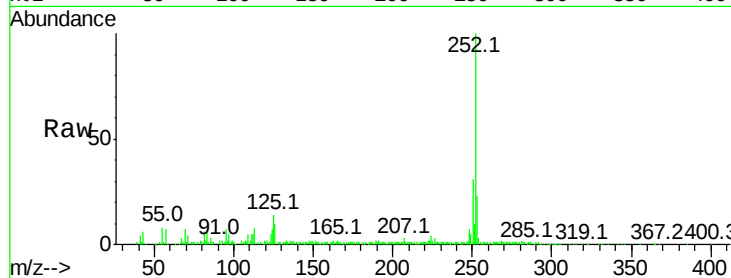
Tot Ion:252 Resp: 146195

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 22.5  | 17.1  | 25.7  |
| 125 | 13.5  | 9.8   | 14.6  |

252 100

253 22.5 17.1 25.7

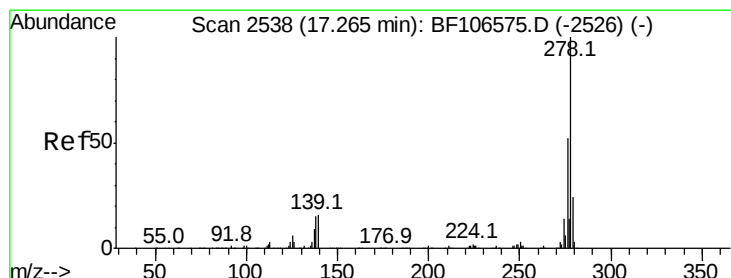
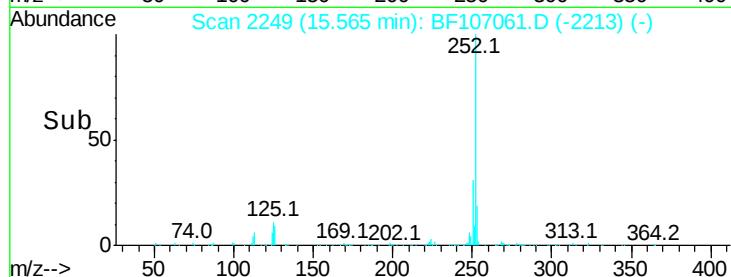
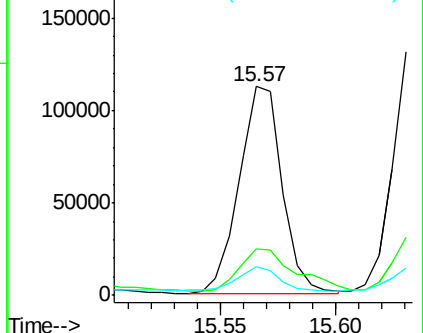
125 13.5 9.8 14.6



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



#90

Dibenzo(a,h)anthracene

Concen: 3.779 ng

RT: 17.48 min Scan# 2574

Delta R.T. 0.15 min

Lab File: BF107061.D

Acq: 3 Jul 2018 00:16

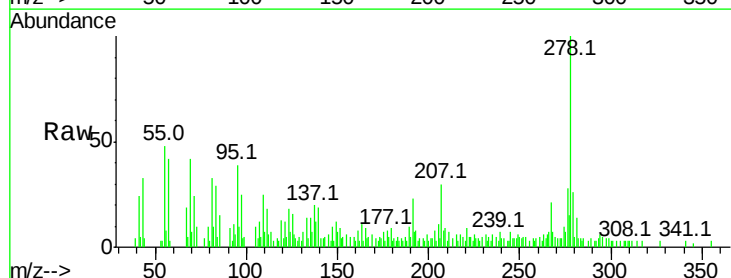
Tgt Ion:278 Resp: 22750

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 278 | 100   |       |       |
| 139 | 19.1  | 15.9  | 23.9  |
| 279 | 25.8  | 19.0  | 28.4  |

278 100

139 19.1 15.9 23.9

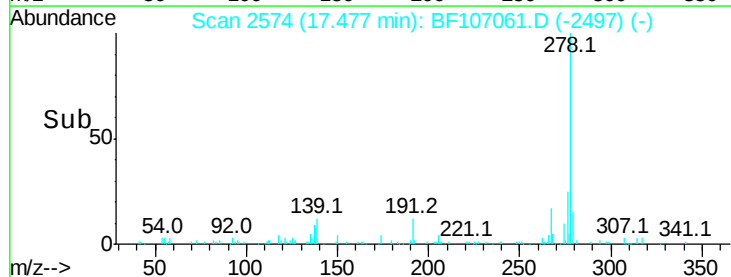
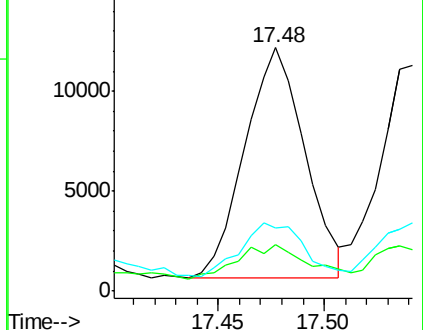
279 25.8 19.0 28.4

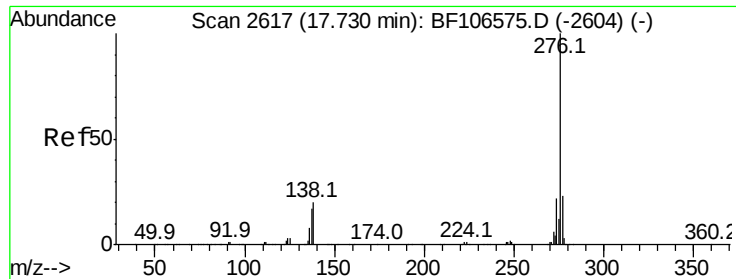


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

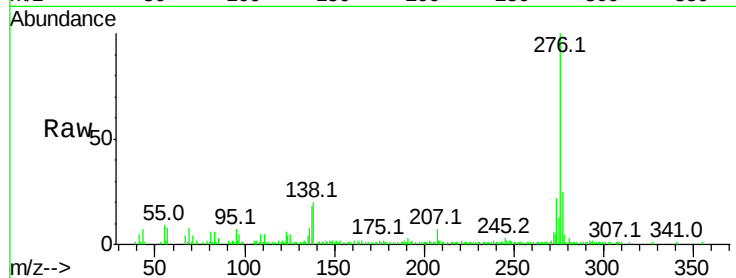




#91  
 Benzo(a,h,i)perylene  
 Concen: 20.858 ng  
 RT: 17.78 min Scan# 2626  
 Delta R.T. -0.01 min  
 Lab File: BF107061.D  
 Acq: 3 Jul 2018 00:16

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 25.2  | 17.9  | 26.9  |
| 138     | 19.7  | 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

