

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF062718\  
 Data File : BF106884.D  
 Acq On : 27 Jun 2018 20:40  
 Operator : JU/SJ  
 Sample : J3242-09 2X  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 JC-02-062618-E

Quant Time: Jun 28 00:54:17 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF061918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 25 18:50:17 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.95  | 152  | 21039    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.24  | 136  | 77996    | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10      | 10.00 | 164  | 33211    | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.50 | 188  | 54239    | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.14 | 240  | 63653    | 20.00 | ng    | -0.02    |
| 86) Perylene-d12          | 15.68 | 264  | 47986    | 20.00 | ng    | -0.04    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.59  | 112  | 129819   | 104.48 | ng    | -0.01    |
| 7) Phenol-d6                | 6.59  | 99   | 165217   | 106.48 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 7.51  | 82   | 98538    | 70.21  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 10.80 | 330  | 41249    | 107.16 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.31  | 172  | 188798   | 98.58  | ng    | -0.01    |
| 78) Terphenyl-d14           | 13.07 | 244  | 202969   | 77.24  | ng    | -0.01    |

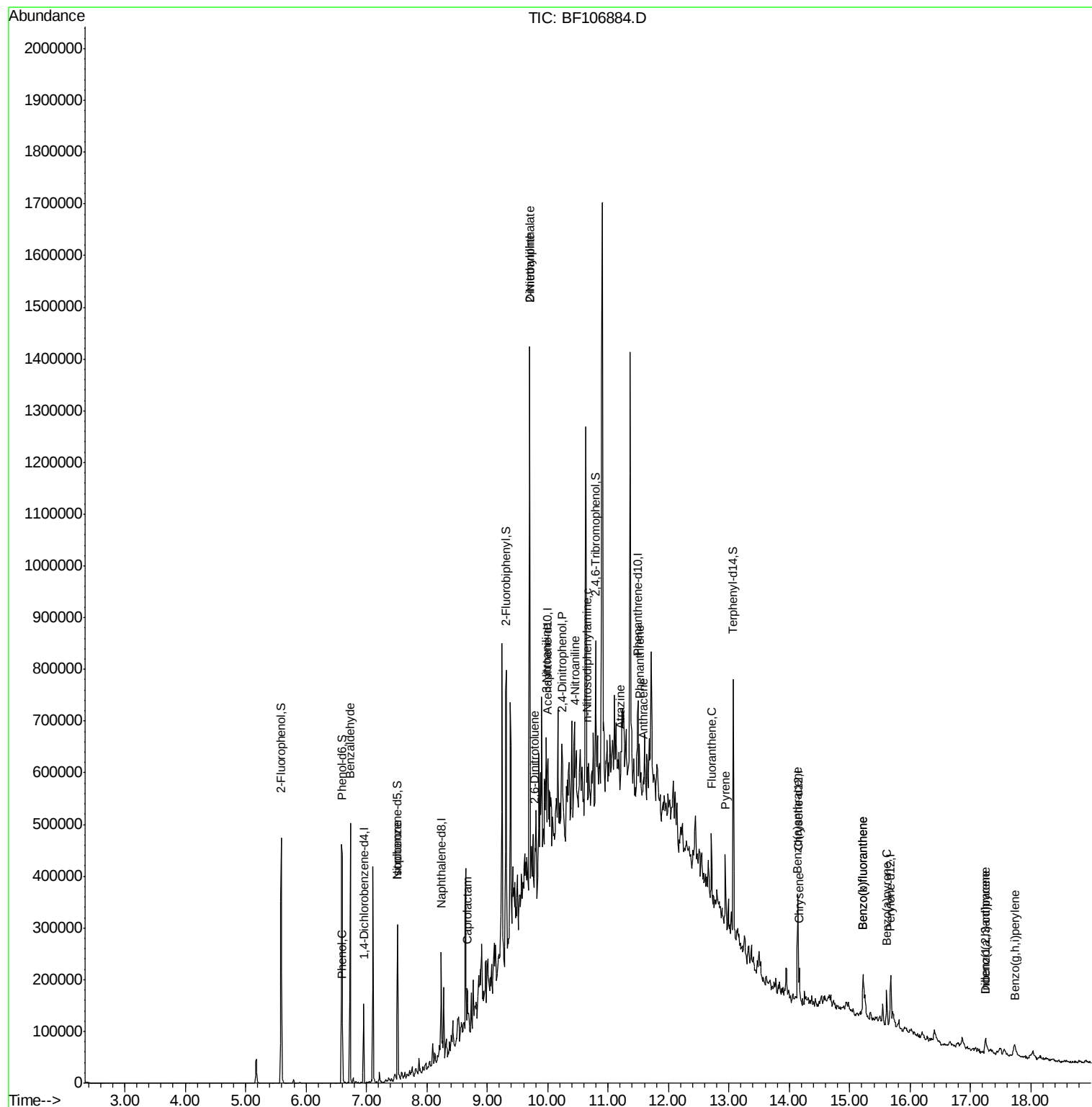
| Target Compounds           | R.T.  | QIon | Response | Conc   | Units | Qvalue |
|----------------------------|-------|------|----------|--------|-------|--------|
| 9) Benzaldehyde            | 6.72  | 77   | 2862     | 2.196  | ng    | 89     |
| 10) Phenol                 | 6.61  | 94   | 4172     | 2.356  | ng    | 97     |
| 25) Isophorone             | 7.51  | 82   | 96808    | 39.144 | ng    | # 65   |
| 35) Caprolactam            | 8.67  | 113  | 1108     | 3.105  | ng    | # 1    |
| 47) 2-Nitroaniline         | 9.70  | 65   | 1857     | 2.651  | ng    | 91     |
| 49) Dimethylphthalate      | 9.70  | 163  | 34237    | 13.745 | ng    | # 80   |
| 50) 2,6-Dinitrotoluene     | 9.79  | 165  | 1282     | 2.431  | ng    | # 33   |
| 52) 3-Nitroaniline         | 9.98  | 138  | 1388     | 2.287  | ng    | # 26   |
| 53) 2,4-Dinitrophenol      | 10.25 | 184  | 226      | 6.122  | ng    | # 60   |
| 61) 4-Nitroaniline         | 10.45 | 138  | 3515     | 5.835  | ng    | 79     |
| 65) n-Nitrosodiphenylamine | 10.66 | 169  | 5196     | 2.848  | ng    | # 56   |
| 68) Atrazine               | 11.20 | 200  | 2097     | 3.616  | ng    | # 1    |
| 70) Phenanthrene           | 11.52 | 178  | 20713    | 7.918  | ng    | # 86   |
| 71) Anthracene             | 11.57 | 178  | 7304     | 2.735  | ng    | # 71   |
| 74) Fluoranthene           | 12.71 | 202  | 49455    | 17.152 | ng    | 95     |
| 77) Pyrene                 | 12.94 | 202  | 59977    | 14.289 | ng    | 98     |
| 80) Benzo(a)anthracene     | 14.13 | 228  | 35233    | 9.082  | ng    | # 94   |
| 82) Chrysene               | 14.17 | 228  | 30351    | 8.504  | ng    | # 95   |
| 85) Indeno(1,2,3-cd)pyrene | 17.25 | 276  | 19431    | 6.415  | ng    | # 89   |
| 87) Benzo(b)fluoranthene   | 15.22 | 252  | 61934    | 20.777 | ng    | # 92   |
| 88) Benzo(k)fluoranthene   | 15.22 | 252  | 61934    | 21.818 | ng    | 94     |
| 89) Benzo(a)pyrene         | 15.61 | 252  | 32082    | 12.107 | ng    | 94     |
| 90) Dibenzo(a,h)anthracene | 17.25 | 278  | 5870     | 2.614  | ng    | # 85   |
| 91) Benzo(g,h,i)perylene   | 17.73 | 276  | 18407    | 8.386  | ng    | # 87   |

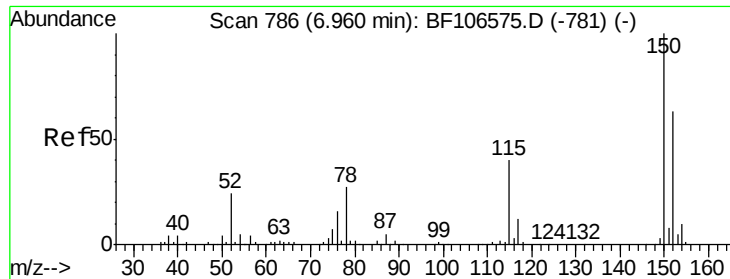
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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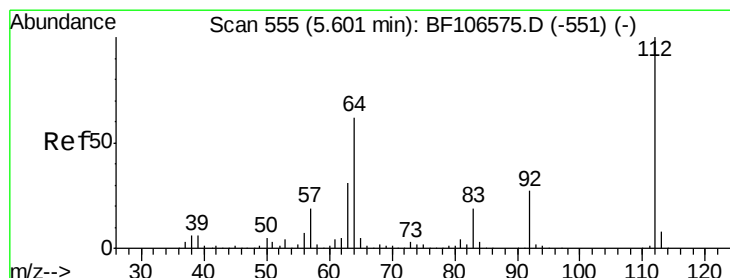
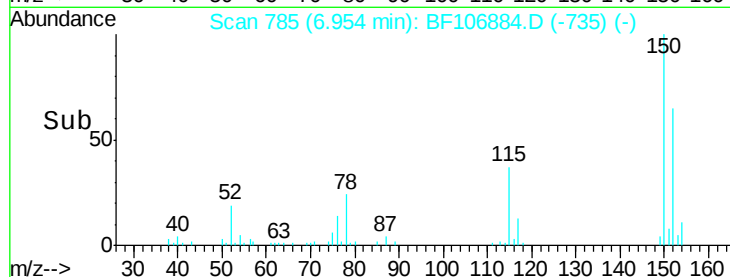
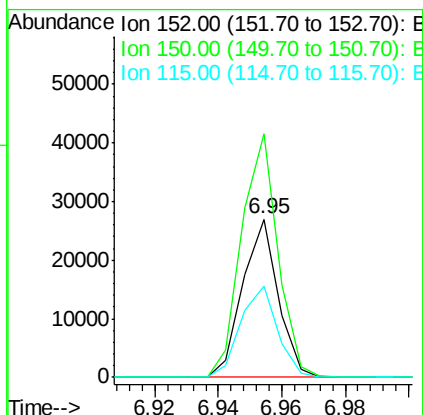
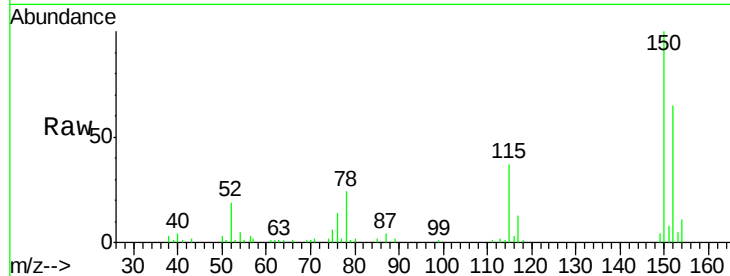


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.95 min Scan# 785  
Delta R.T. -0.01 min  
Lab File: BF106884.D  
Acq: 27 Jun 2018 20:40

Instrument :  
BNA\_F  
ClientSampleId :  
JC-02-062618-E

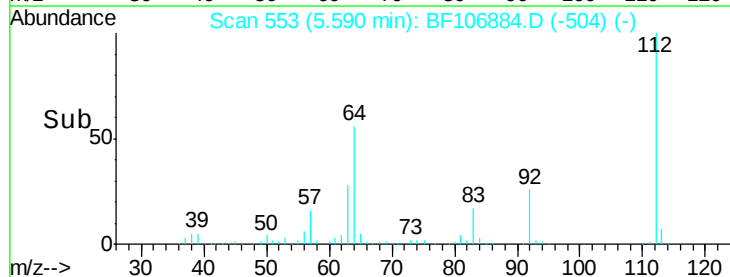
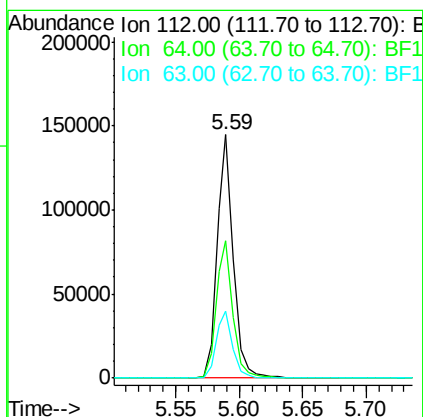
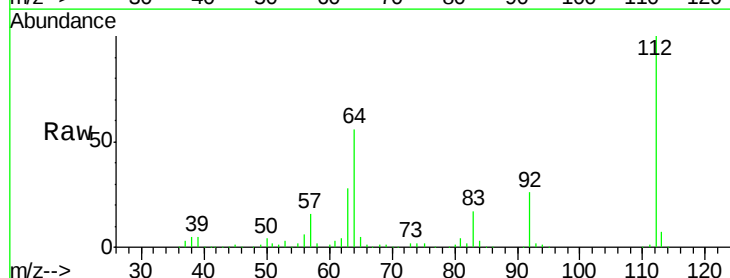
Tgt Ion:152 Resp: 21039  
Ion Ratio Lower Upper  
152 100  
150 154.0 124.6 186.8  
115 57.5 50.1 75.1



#5

2-Fluorophenol  
Concen: 104.484 ng  
RT: 5.59 min Scan# 553  
Delta R.T. -0.01 min  
Lab File: BF106884.D  
Acq: 27 Jun 2018 20:40

Tgt Ion:112 Resp: 129819  
Ion Ratio Lower Upper  
112 100  
64 56.4 47.9 71.9  
63 27.8 23.7 35.5





#7

Phenol-d6

Concen: 106.481 ng

RT: 6.59 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF106884.D

Acq: 27 Jun 2018 20:40

Instrument :

BNA\_F

ClientSampleId :

JC-02-062618-E

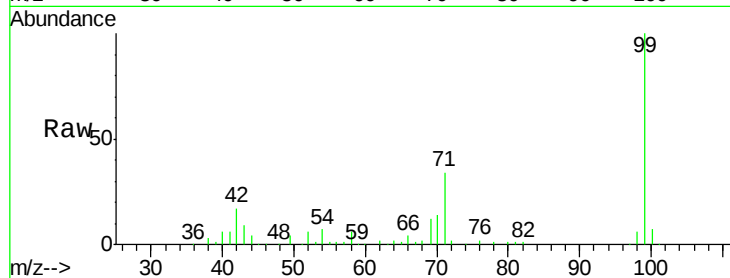
Tgt Ion: 99 Resp: 165217

Ion Ratio Lower Upper

99 100

42 17.1 14.5 21.7

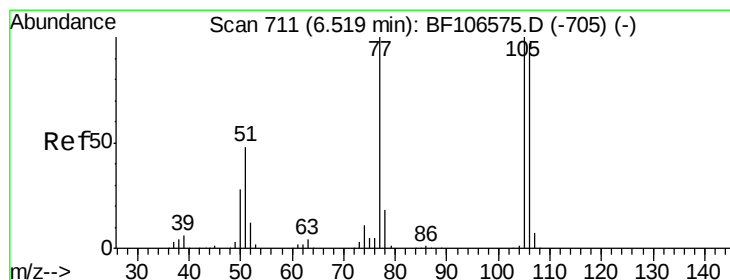
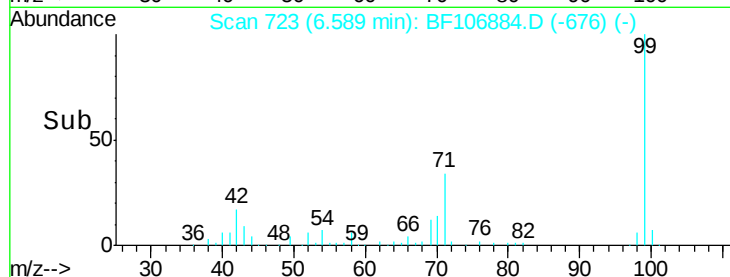
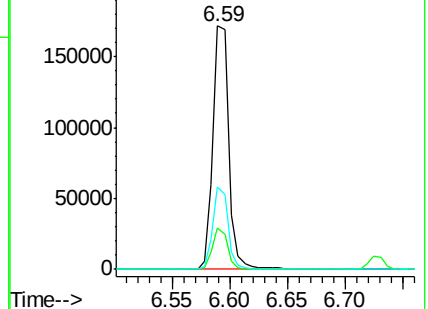
71 33.7 25.4 38.0



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



#9

Benzaldehyde

Concen: 2.196 ng

RT: 6.72 min Scan# 746

Delta R.T. 0.21 min

Lab File: BF106884.D

Acq: 27 Jun 2018 20:40

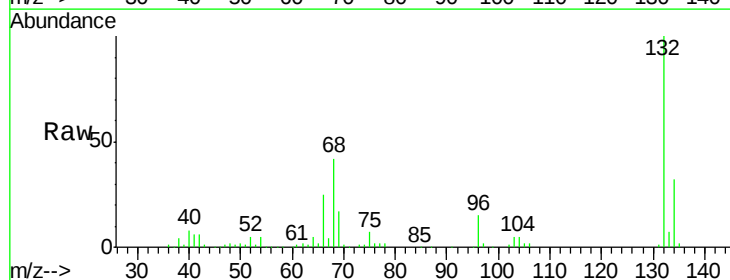
Tgt Ion: 77 Resp: 2862

Ion Ratio Lower Upper

77 100

105 90.0 81.1 121.1

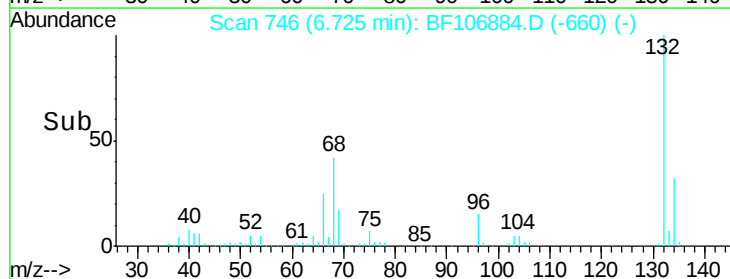
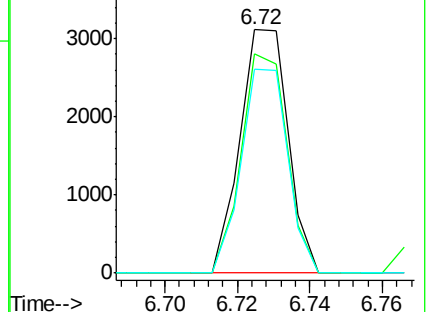
106 83.8 74.5 114.5

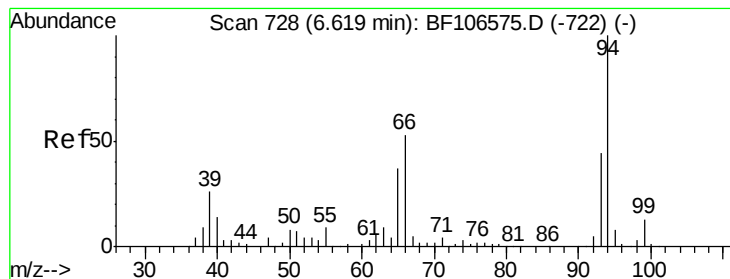


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 2.356 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.02 min

Lab File: BF106884.D

Acq: 27 Jun 2018 20:40

Instrument :

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ClientSampleId :

JC-02-062618-E

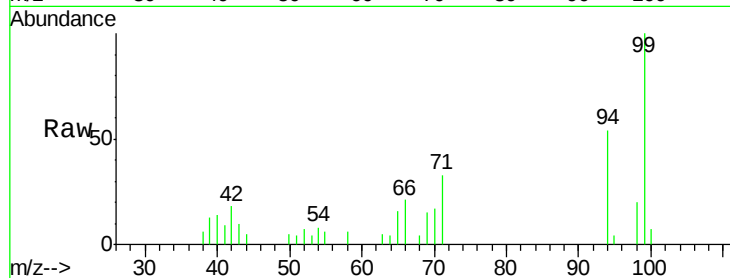
Tgt Ion: 94 Resp: 4172

Ion Ratio Lower Upper

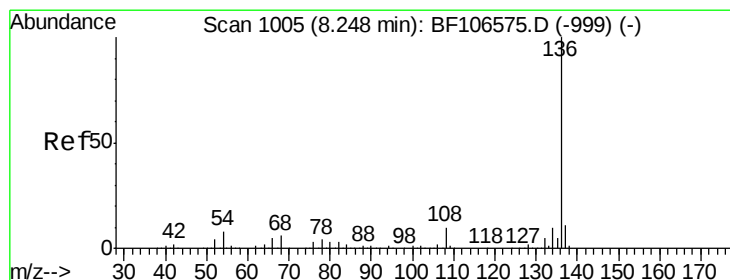
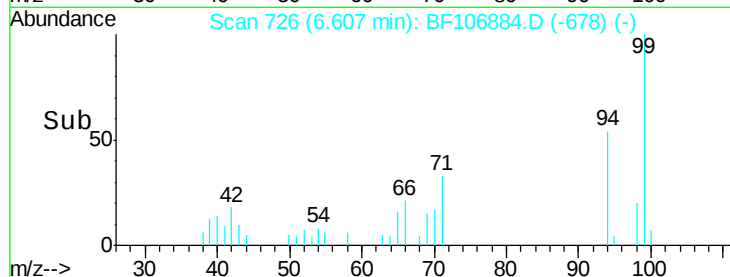
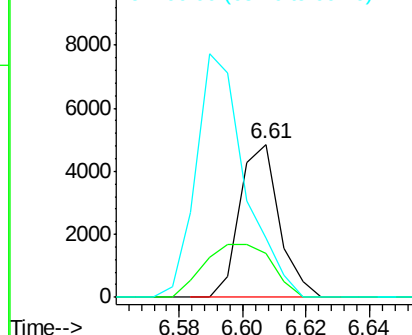
94 100

65 29.0 7.9 47.9

66 38.8 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 66.00 (65.70 to 66.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF106884.D

Acq: 27 Jun 2018 20:40

Tgt Ion: 136 Resp: 77996

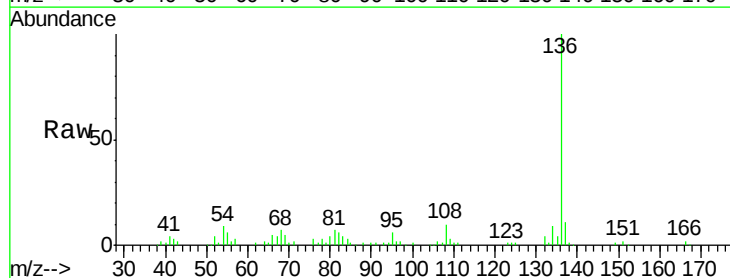
Ion Ratio Lower Upper

136 100

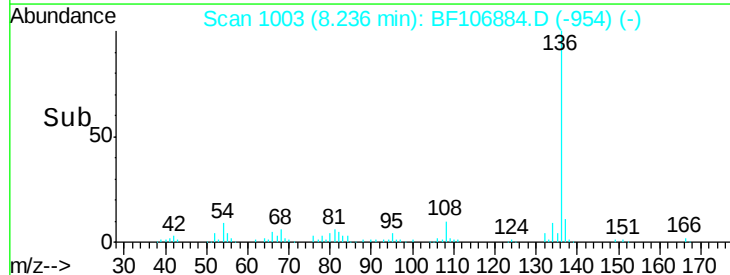
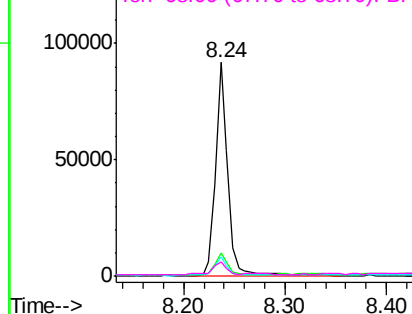
137 10.9 8.9 13.3

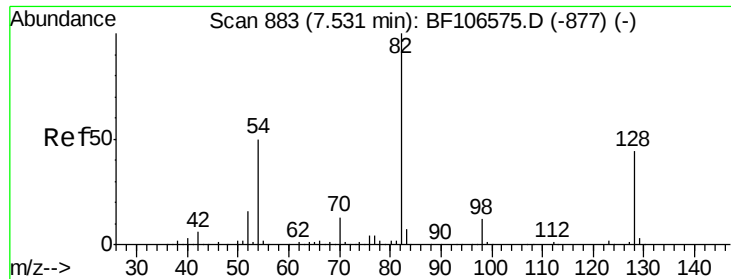
54 8.8 6.6 9.8

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

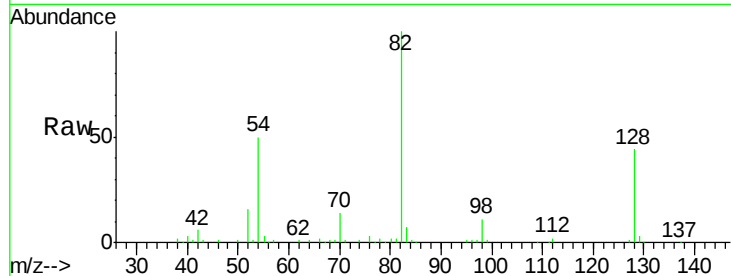




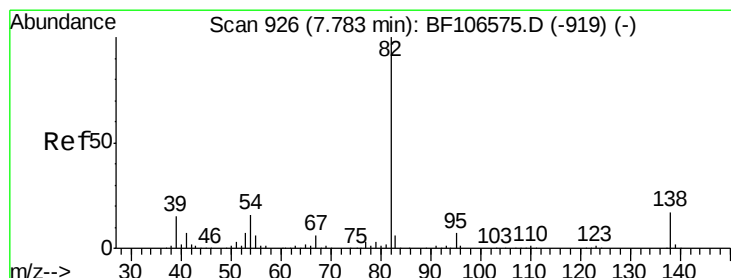
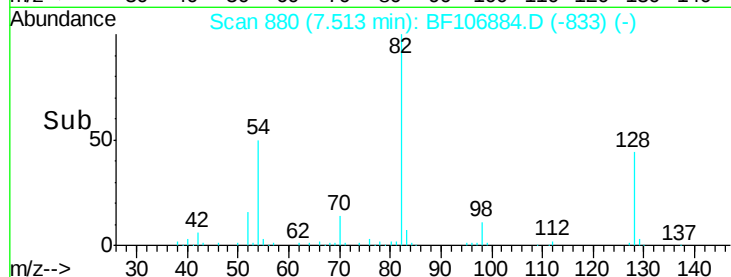
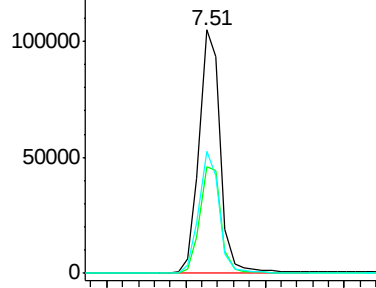
#23  
Nitrobenzene-d5  
Concen: 70.210 ng  
RT: 7.51 min Scan# 880  
Delta R.T. -0.02 min  
Lab File: BF106884.D  
Acq: 27 Jun 2018 20:40

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Tgt Ion: 82 Resp: 98538  
Ion Ratio Lower Upper  
82 100  
128 43.6 36.1 54.1  
54 50.2 41.4 62.2

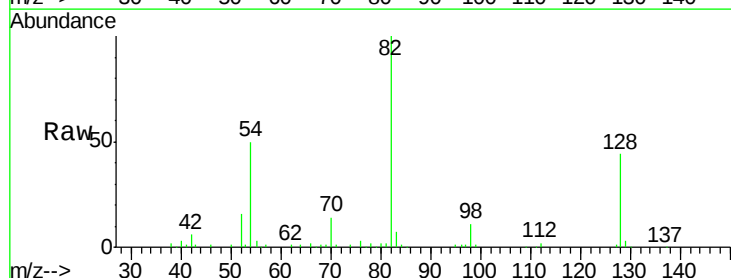


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): BF1  
Ion 54.00 (53.70 to 54.70): BF1

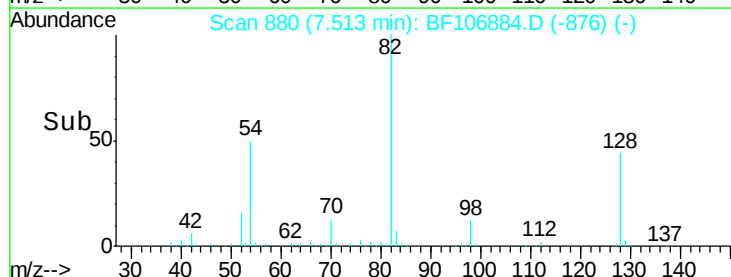
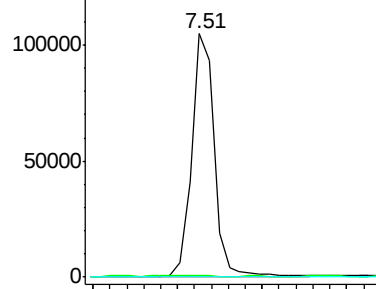


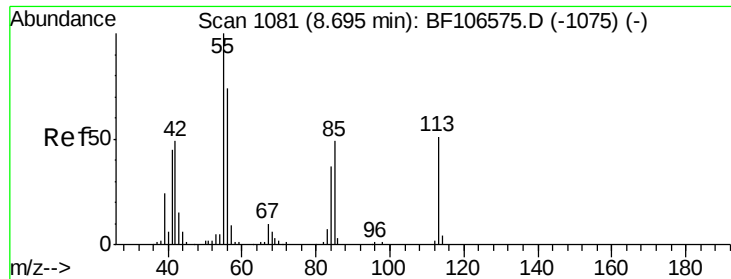
#25  
Isophorone  
Concen: 39.144 ng  
RT: 7.51 min Scan# 880  
Delta R.T. -0.28 min  
Lab File: BF106884.D  
Acq: 27 Jun 2018 20:40

Tgt Ion: 82 Resp: 96808  
Ion Ratio Lower Upper  
82 100  
95 0.7 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





#35

Caprolactam

Concen: 3.105 ng

RT: 8.67 min Scan# 1077

Delta R.T. -0.04 min

Lab File: BF106884.D

Acq: 27 Jun 2018 20:40

Instrument :

BNA\_F

ClientSampleId :

JC-02-062618-E

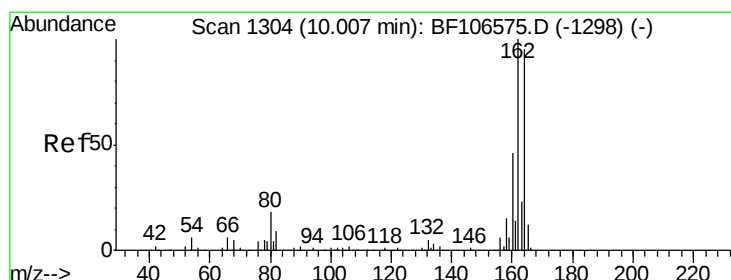
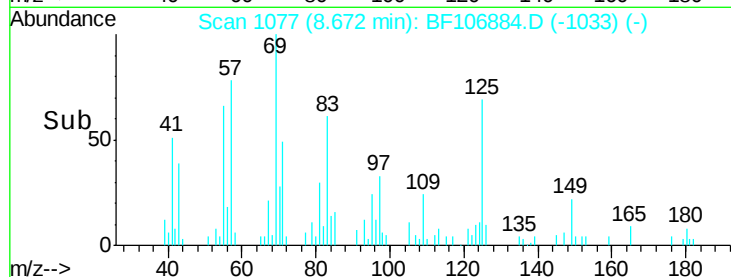
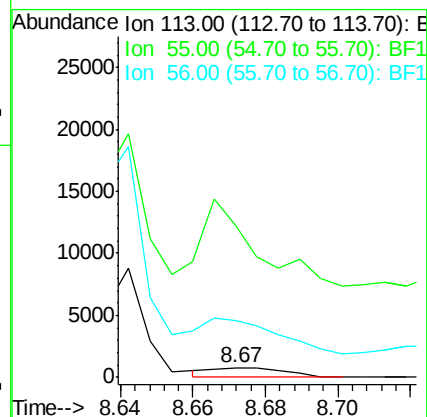
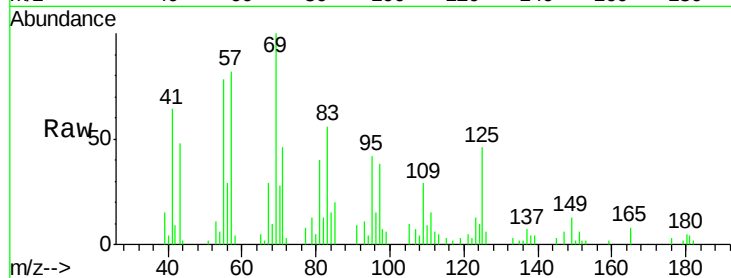
Tgt Ion:113 Resp: 1108

Ion Ratio Lower Upper

113 100

55 1525.8 163.3 203.3#

56 571.4 115.7 155.7#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.00 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF106884.D

Acq: 27 Jun 2018 20:40

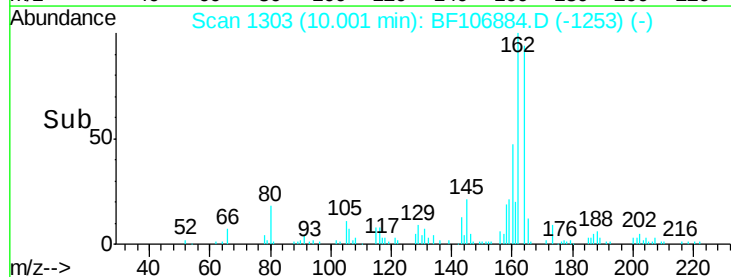
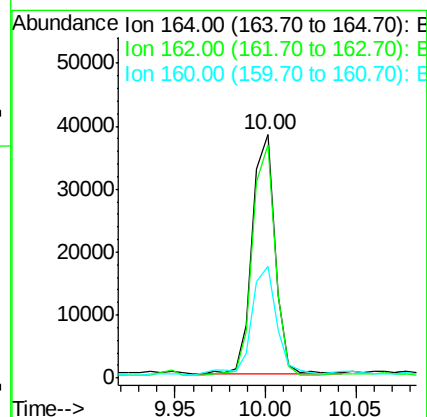
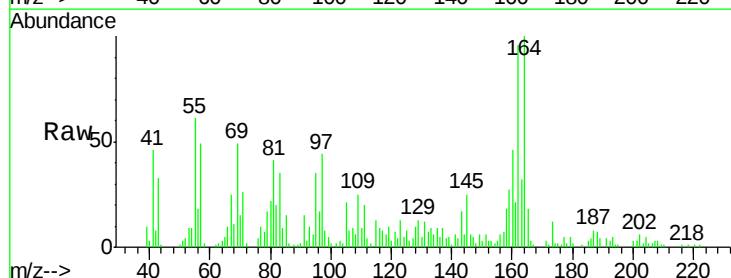
Tgt Ion:164 Resp: 33211

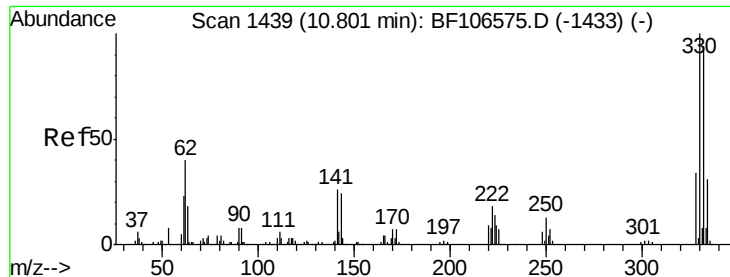
Ion Ratio Lower Upper

164 100

162 95.8 86.1 129.1

160 45.8 38.3 57.5

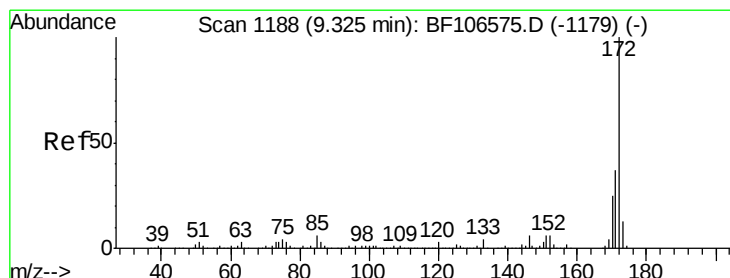
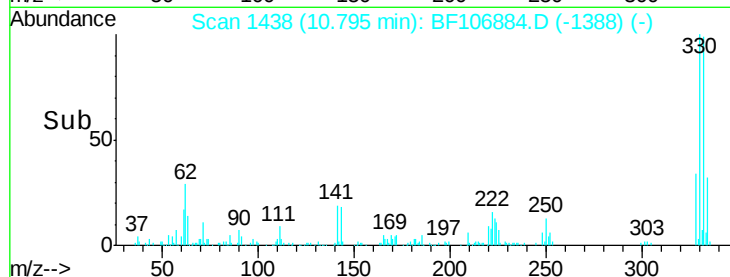
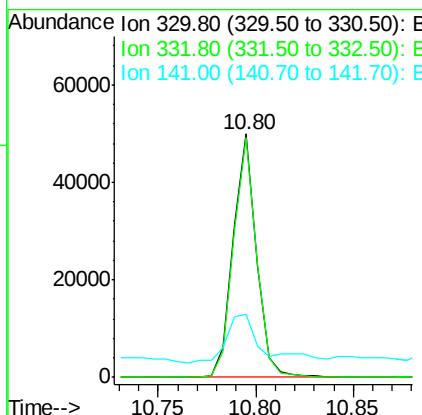
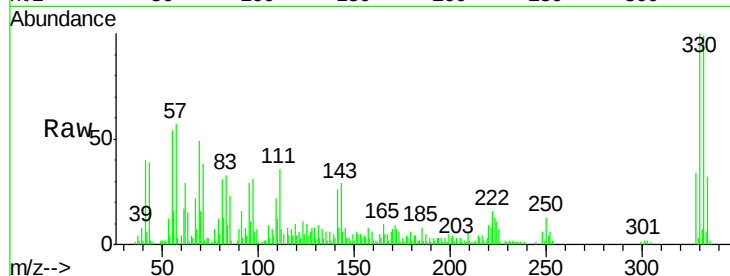




#41  
 2,4,6-Tribromophenol  
 Concen: 107.161 ng  
 RT: 10.80 min Scan# 1438  
 Delta R.T. -0.01 min  
 Lab File: BF106884.D  
 Acq: 27 Jun 2018 20:40

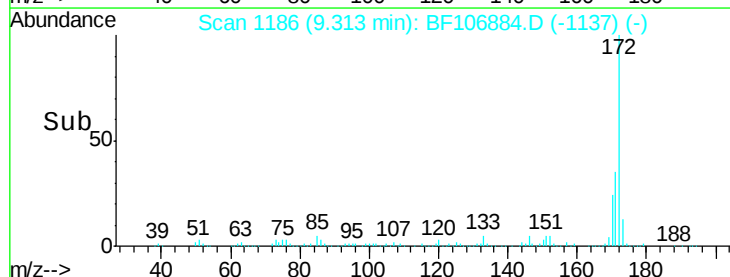
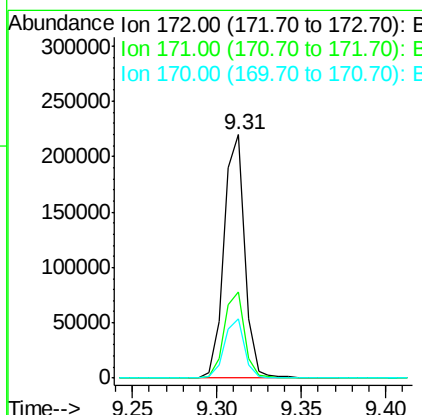
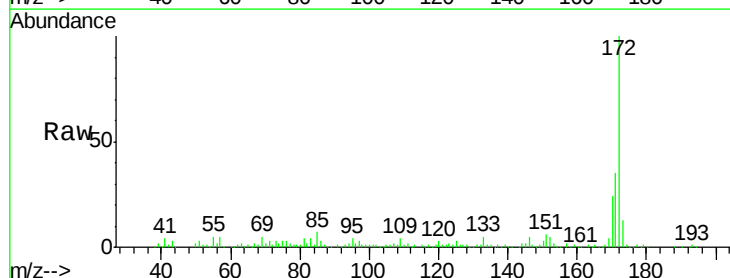
Instrument :  
 BNA\_F  
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 JC-02-062618-E

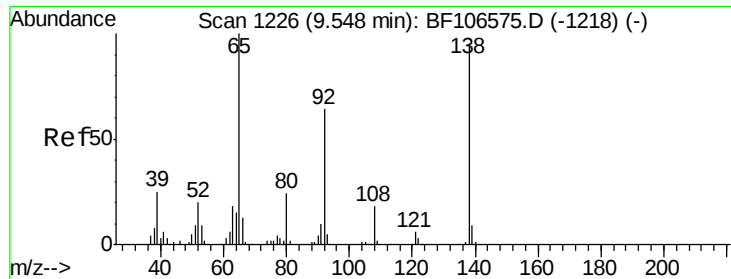
Tgt Ion:330 Resp: 41249  
 Ion Ratio Lower Upper  
 330 100  
 332 97.6 77.0 115.6  
 141 25.6 29.9 44.9#



#44  
 2-Fluorobiphenyl  
 Concen: 98.579 ng  
 RT: 9.31 min Scan# 1186  
 Delta R.T. -0.01 min  
 Lab File: BF106884.D  
 Acq: 27 Jun 2018 20:40

Tgt Ion:172 Resp: 188798  
 Ion Ratio Lower Upper  
 172 100  
 171 35.2 29.7 44.5  
 170 24.1 19.6 29.4

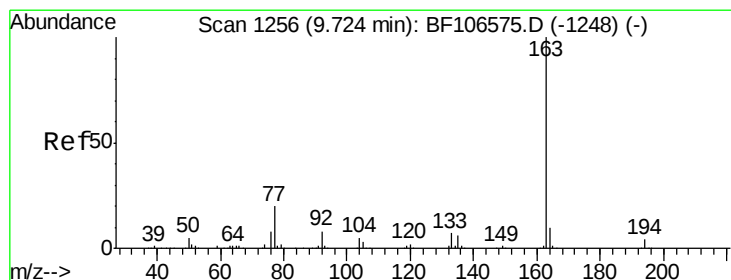
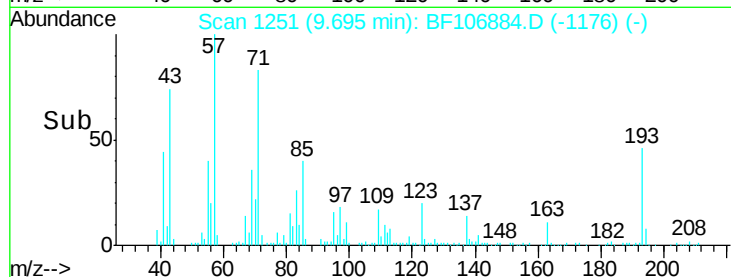
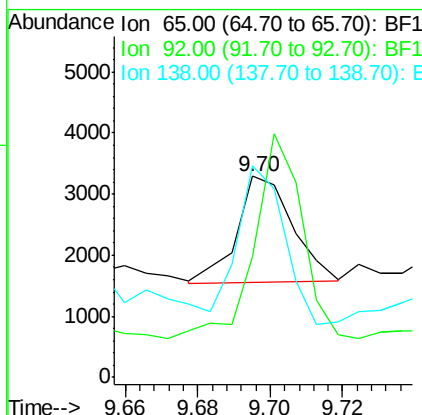
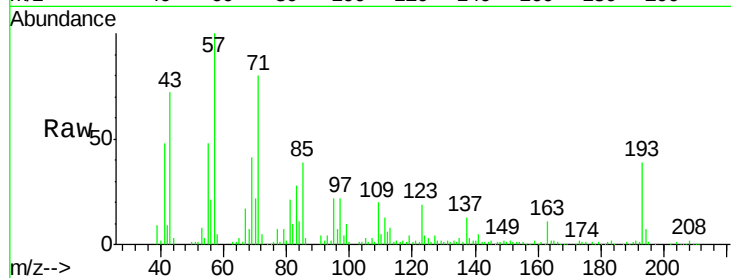




#47  
2-Nitroaniline  
Concen: 2.651 ng  
RT: 9.70 min Scan# 1251  
Delta R.T. 0.14 min  
Lab File: BF106884.D  
Acq: 27 Jun 2018 20:40

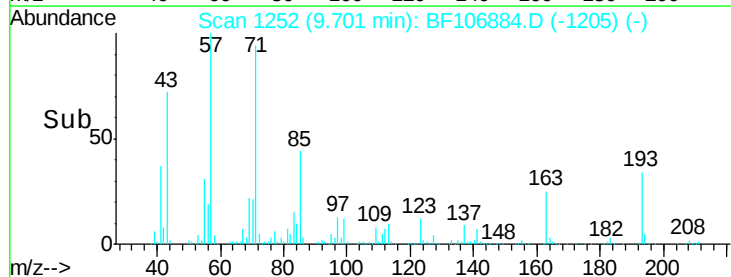
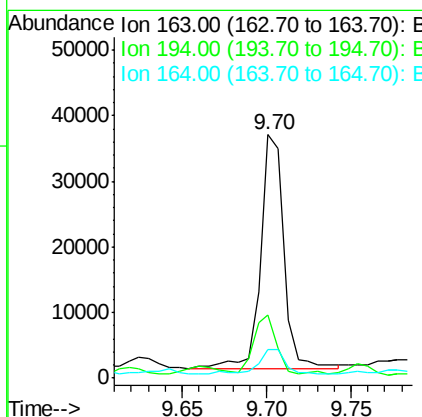
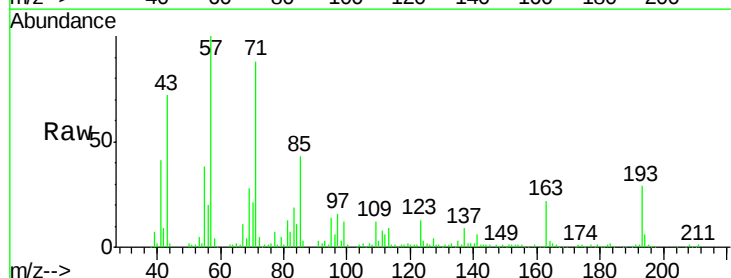
Instrument :  
BNA\_F  
ClientSampleId :  
JC-02-062618-E

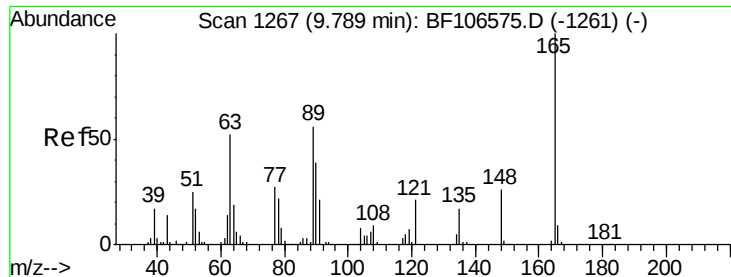
Tgt Ion: 65 Resp: 1857  
Ion Ratio Lower Upper  
65 100  
92 60.2 55.8 83.6  
138 105.4 91.2 136.8



#49  
Dimethylphthalate  
Concen: 13.745 ng  
RT: 9.70 min Scan# 1252  
Delta R.T. -0.02 min  
Lab File: BF106884.D  
Acq: 27 Jun 2018 20:40

Tgt Ion:163 Resp: 34237  
Ion Ratio Lower Upper  
163 100  
194 25.9 2.7 4.1#  
164 11.7 8.2 12.2

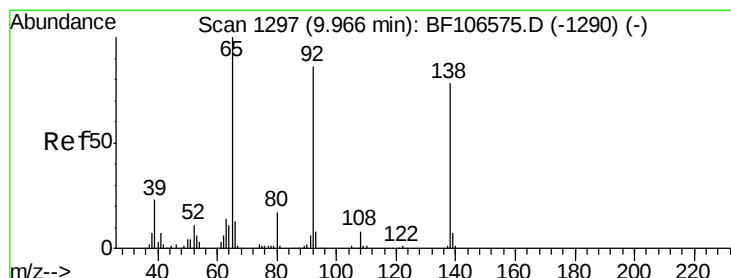
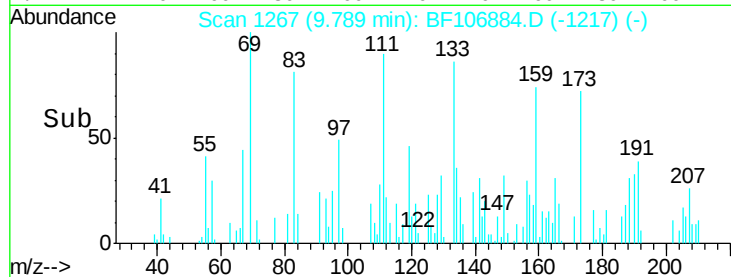
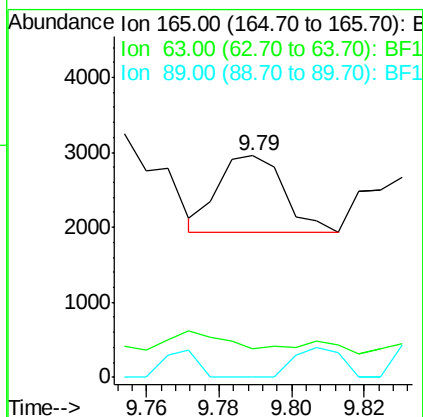
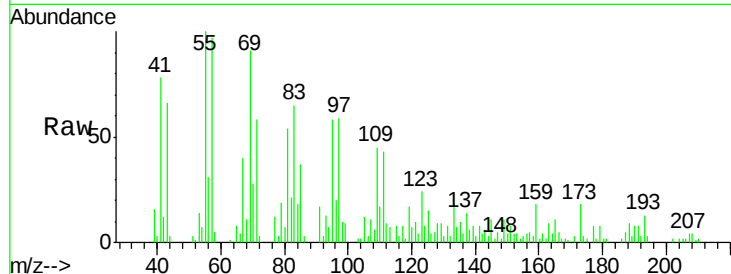




#50  
 2,6-Dinitrotoluene  
 Concen: 2.431 ng  
 RT: 9.79 min Scan# 1267  
 Delta R.T. -0.01 min  
 Lab File: BF106884.D  
 Acq: 27 Jun 2018 20:40

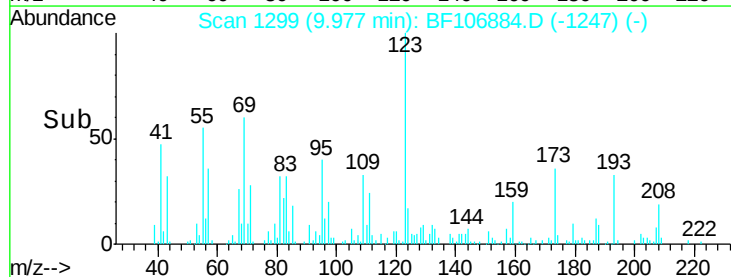
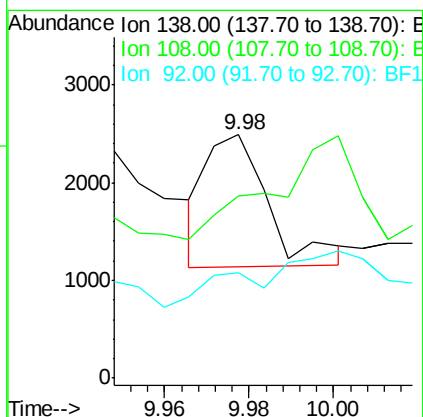
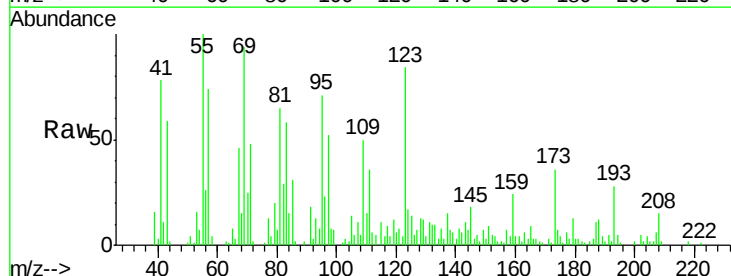
Instrument :  
 BNA\_F  
 ClientSampleId :  
 JC-02-062618-E

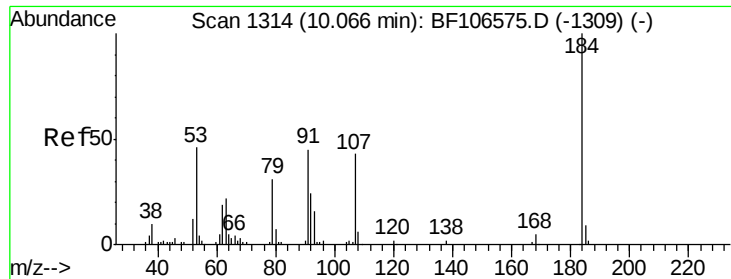
Tgt Ion:165 Resp: 1282  
 Ion Ratio Lower Upper  
 165 100  
 63 12.9 44.7 67.1#  
 89 0.0 44.0 66.0#



#52  
 3-Nitroaniline  
 Concen: 2.287 ng  
 RT: 9.98 min Scan# 1299  
 Delta R.T. 0.01 min  
 Lab File: BF106884.D  
 Acq: 27 Jun 2018 20:40

Tgt Ion:138 Resp: 1388  
 Ion Ratio Lower Upper  
 138 100  
 108 75.0 9.4 14.0#  
 92 43.1 89.4 134.2#

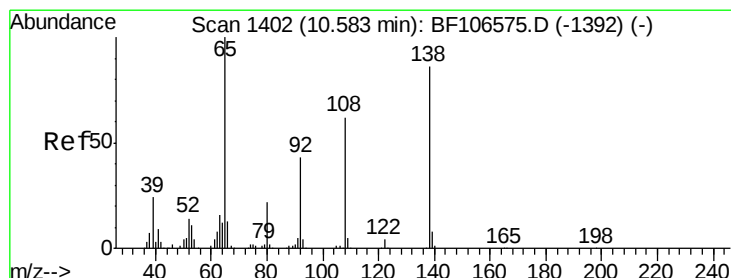
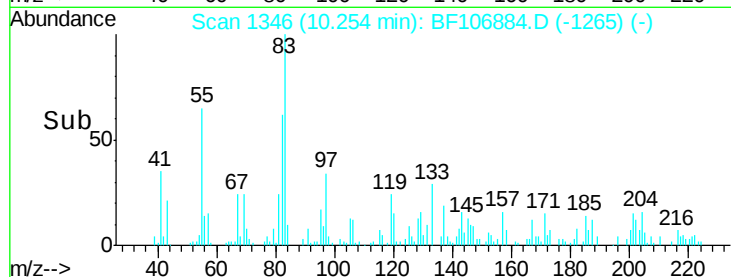
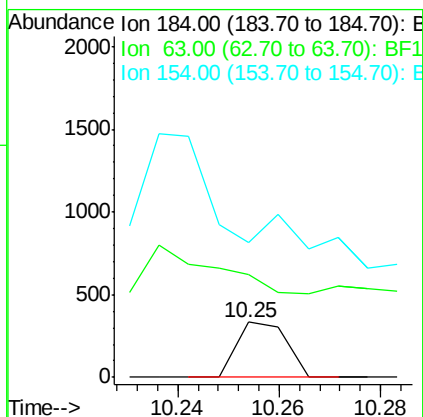
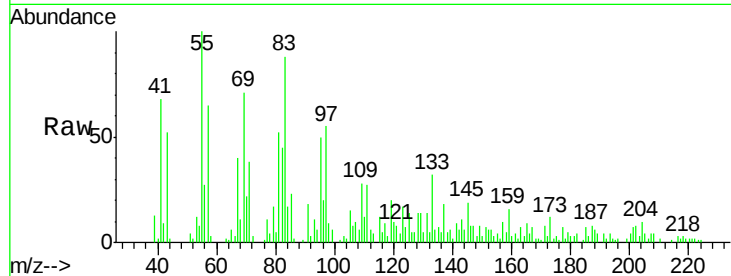




#53  
 2,4-Dinitrophenol  
 Concen: 6.122 ng  
 RT: 10.25 min Scan# 1346  
 Delta R.T. 0.18 min  
 Lab File: BF106884.D  
 Acq: 27 Jun 2018 20:40

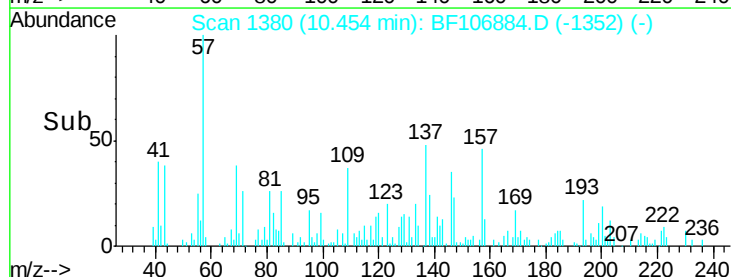
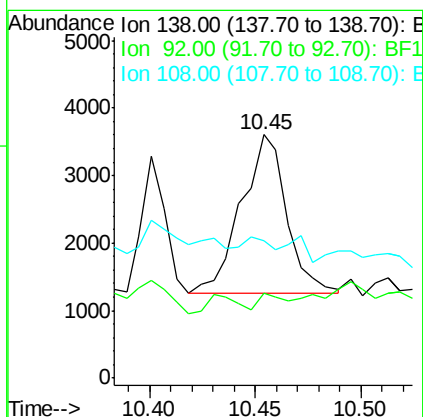
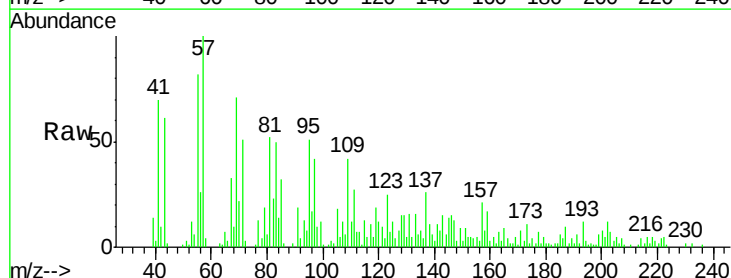
Instrument :  
 BNA\_F  
 ClientSampleId :  
 JC-02-062618-E

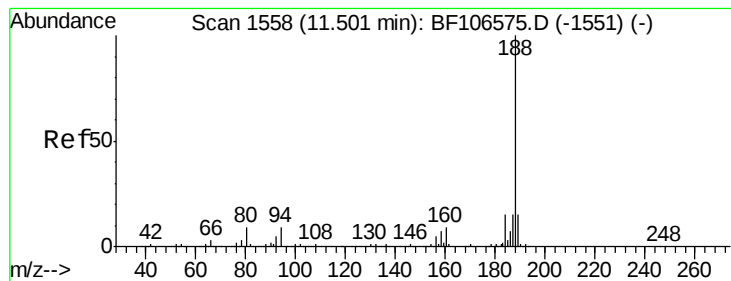
Tgt Ion:184 Resp: 226  
 Ion Ratio Lower Upper  
 184 100  
 63 186.2 54.2 81.2#  
 154 244.1 184.0 276.0



#61  
 4-Nitroaniline  
 Concen: 5.835 ng  
 RT: 10.45 min Scan# 1380  
 Delta R.T. -0.14 min  
 Lab File: BF106884.D  
 Acq: 27 Jun 2018 20:40

Tgt Ion:138 Resp: 3515  
 Ion Ratio Lower Upper  
 138 100  
 92 34.6 30.2 70.2  
 108 56.4 52.5 92.5





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.50 min Scan# 1557

Delta R.T. -0.01 min

Lab File: BF106884.D

Acq: 27 Jun 2018 20:40

Instrument :

BNA\_F

ClientSampleId :

JC-02-062618-E

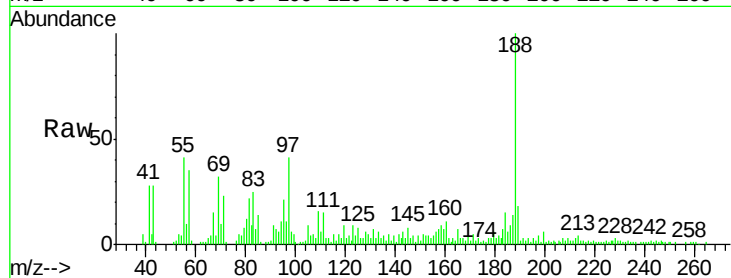
Tgt Ion:188 Resp: 54239

Ion Ratio Lower Upper

188 100

94 10.7 8.5 12.7

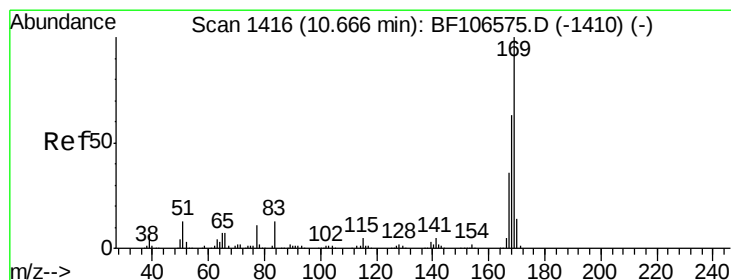
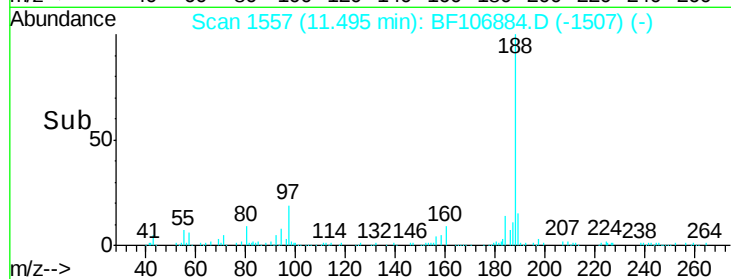
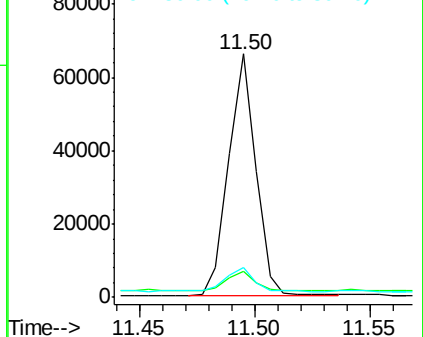
80 12.1 9.2 13.8



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



#65

n-Nitrosodiphenylamine

Concen: 2.848 ng

RT: 10.66 min Scan# 1415

Delta R.T. -0.01 min

Lab File: BF106884.D

Acq: 27 Jun 2018 20:40

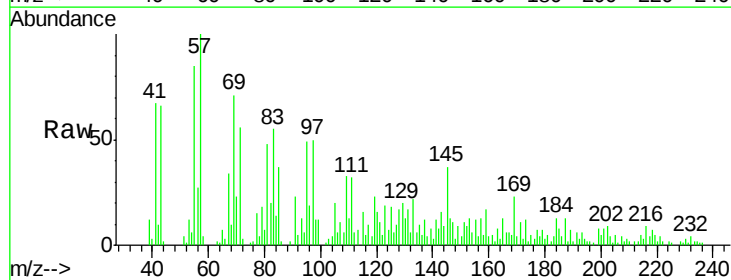
Tgt Ion:169 Resp: 5196

Ion Ratio Lower Upper

169 100

168 21.6 54.4 81.6#

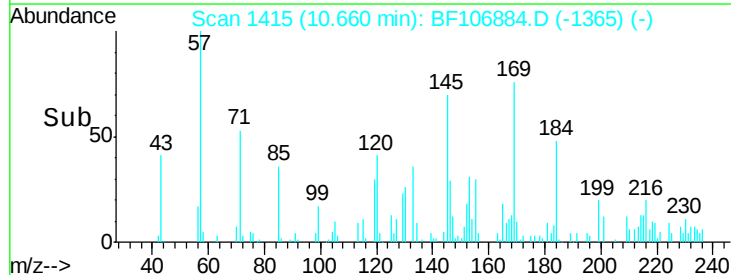
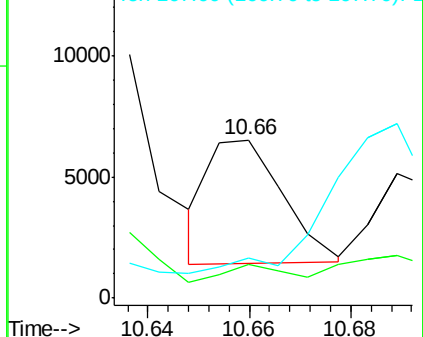
167 25.0 29.8 44.6#

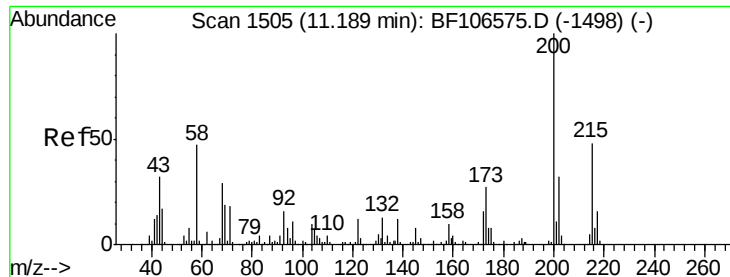


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

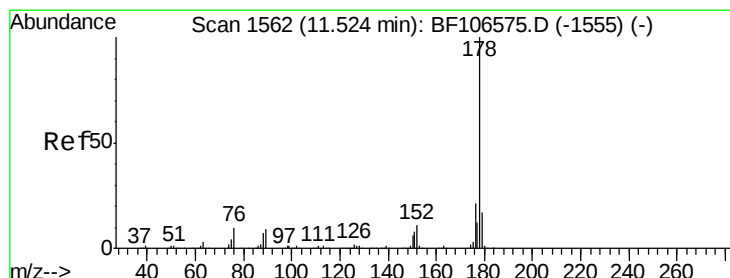
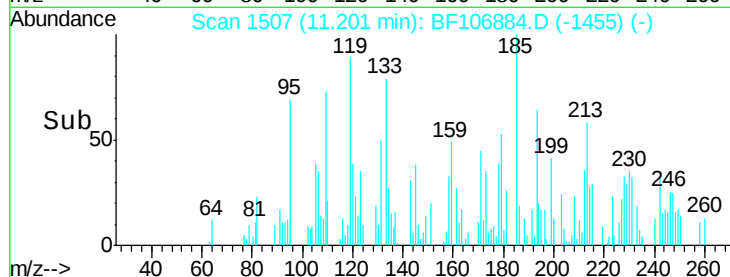
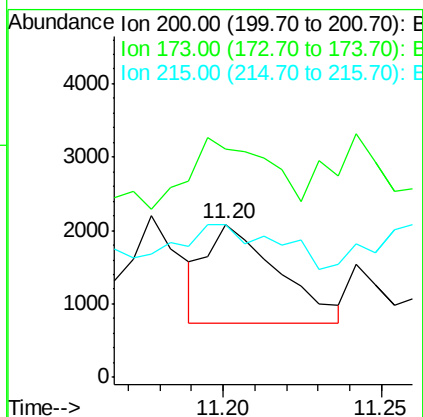
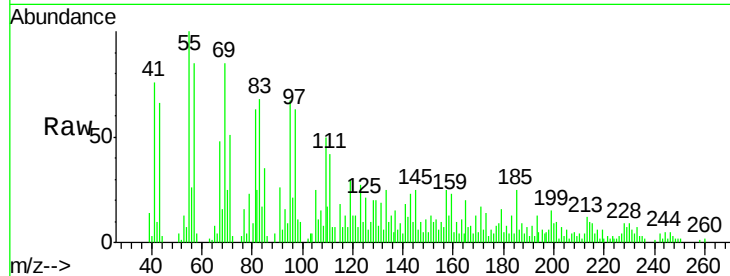




#68  
 Atrazine  
 Concen: 3.616 ng  
 RT: 11.20 min Scan# 1507  
 Delta R.T. 0.01 min  
 Lab File: BF106884.D  
 Acq: 27 Jun 2018 20:40

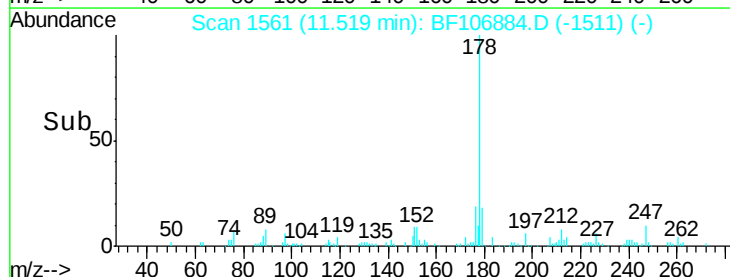
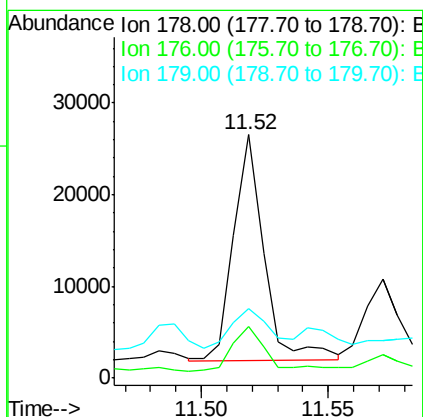
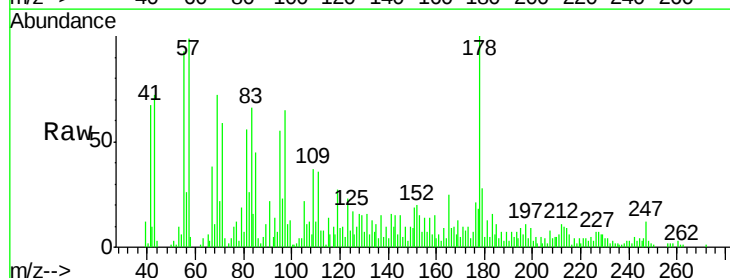
Instrument :  
 BNA\_F  
 ClientSampleId :  
 JC-02-062618-E

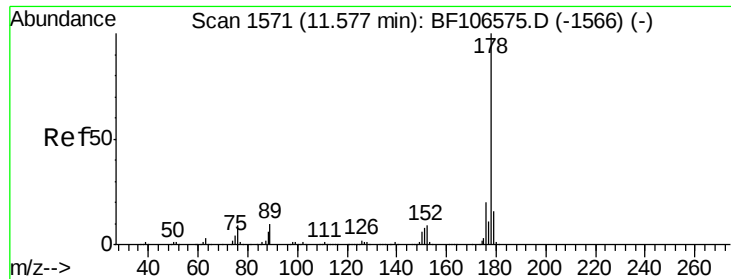
Tgt Ion:200 Resp: 2097  
 Ion Ratio Lower Upper  
 200 100  
 173 148.8 8.6 48.6#  
 215 99.5 25.1 65.1#



#70  
 Phenanthrene  
 Concen: 7.918 ng  
 RT: 11.52 min Scan# 1561  
 Delta R.T. -0.01 min  
 Lab File: BF106884.D  
 Acq: 27 Jun 2018 20:40

Tgt Ion:178 Resp: 20713  
 Ion Ratio Lower Upper  
 178 100  
 176 21.0 15.8 23.8  
 179 28.4 13.0 19.6#





#71

Anthracene

Concen: 2.735 ng

RT: 11.57 min Scan# 1570

Delta R.T. -0.01 min

Lab File: BF106884.D

Acq: 27 Jun 2018 20:40

Instrument :

BNA\_F

ClientSampleId :

JC-02-062618-E

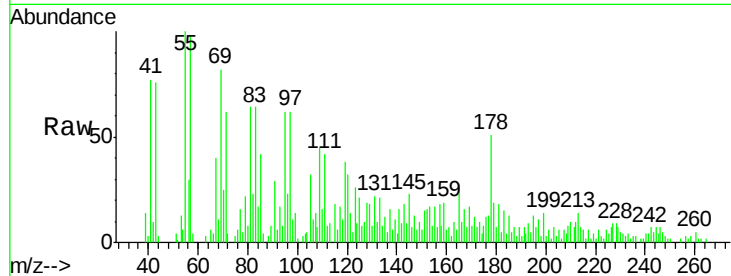
Tgt Ion:178 Resp: 7304

Ion Ratio Lower Upper

178 100

176 24.0 15.4 23.2#

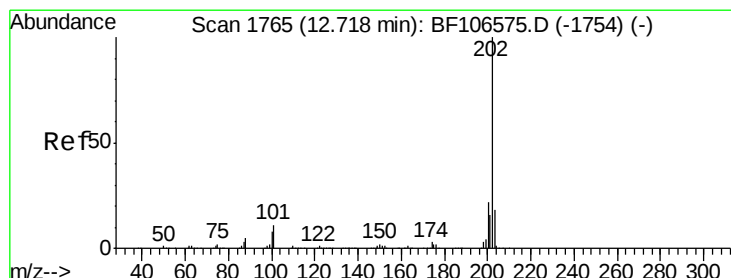
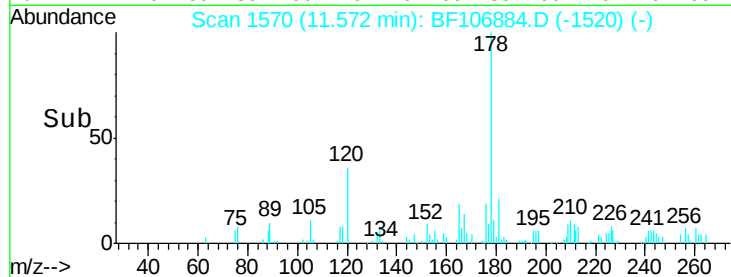
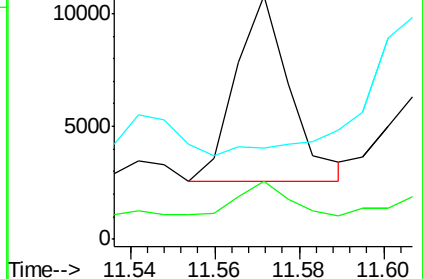
179 37.8 12.6 19.0#



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



#74

Fluoranthene

Concen: 17.152 ng

RT: 12.71 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BF106884.D

Acq: 27 Jun 2018 20:40

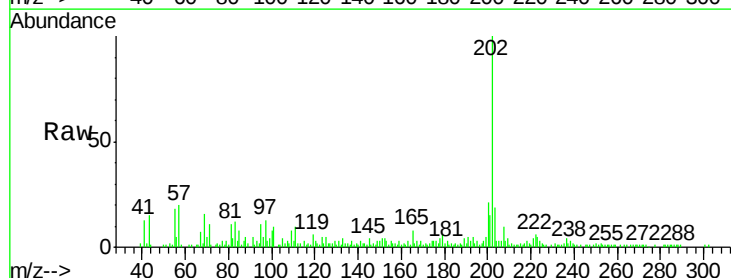
Tgt Ion:202 Resp: 49455

Ion Ratio Lower Upper

202 100

101 10.3 0.0 34.1

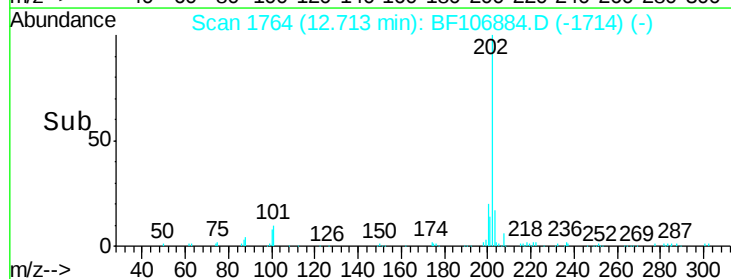
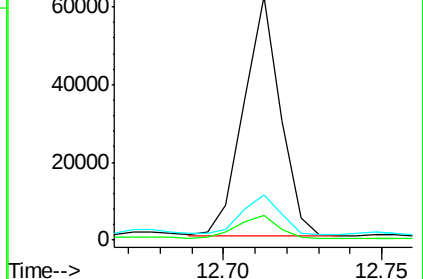
203 18.8 0.0 38.1

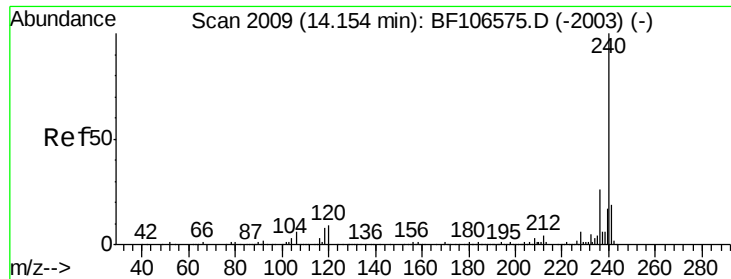


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF106884.D

Acq: 27 Jun 2018 20:40

Instrument :

BNA\_F

ClientSampleId :

JC-02-062618-E

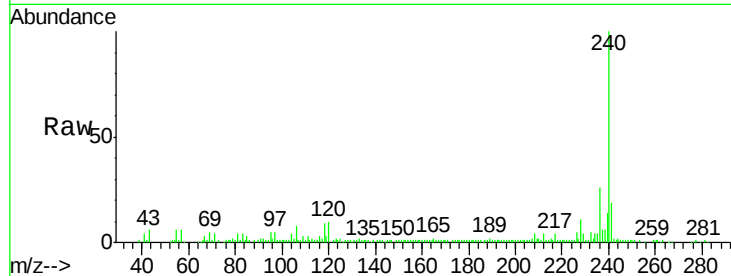
Tgt Ion:240 Resp: 63653

Ion Ratio Lower Upper

240 100

120 9.8 9.5 14.3

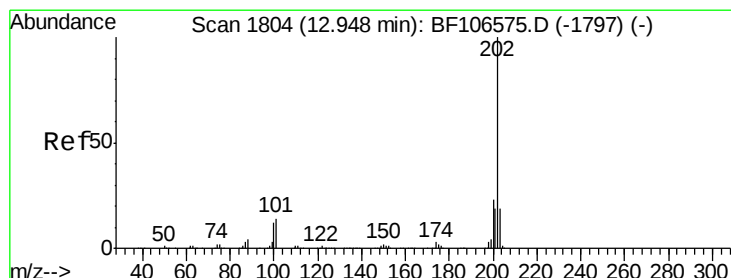
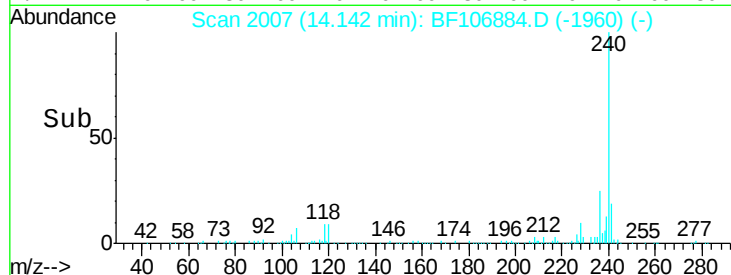
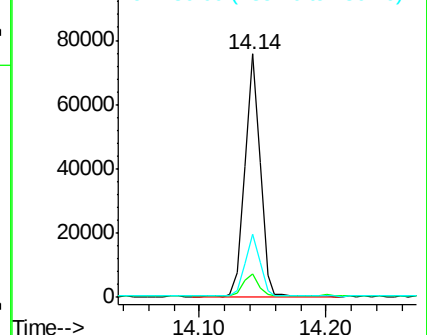
236 25.9 20.7 31.1



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: 14.289 ng

RT: 12.94 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF106884.D

Acq: 27 Jun 2018 20:40

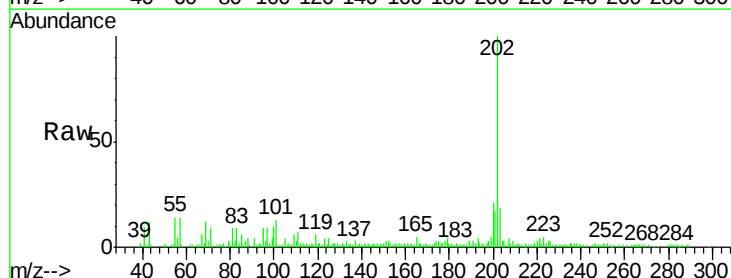
Tgt Ion:202 Resp: 59977

Ion Ratio Lower Upper

202 100

200 21.4 17.4 26.2

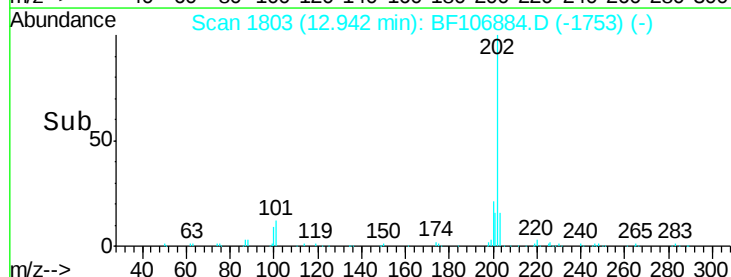
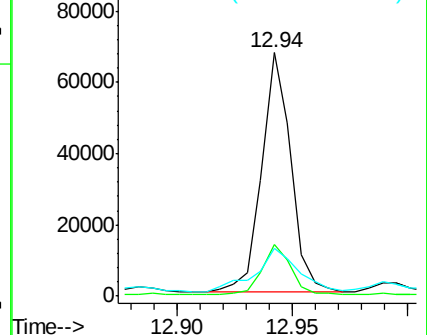
203 19.4 14.3 21.5

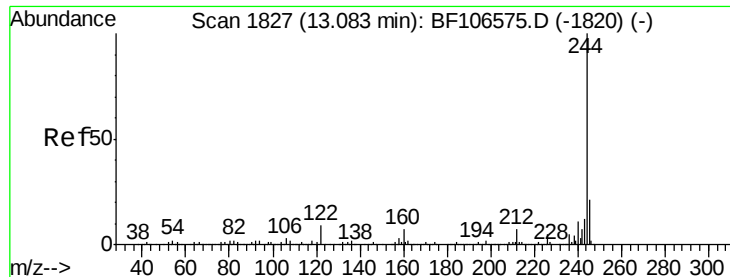


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 77.239 ng

RT: 13.07 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF106884.D

Acq: 27 Jun 2018 20:40

Instrument :

BNA\_F

ClientSampleId :

JC-02-062618-E

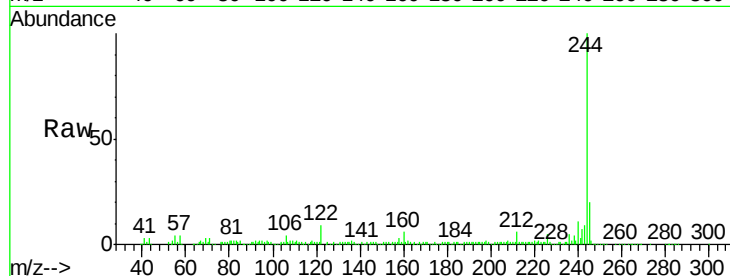
Tgt Ion:244 Resp: 202969

Ion Ratio Lower Upper

244 100

212 6.3 5.4 8.0

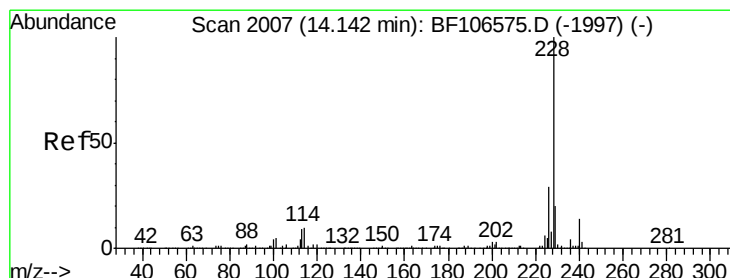
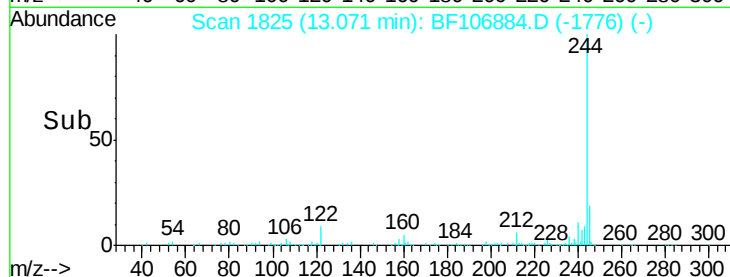
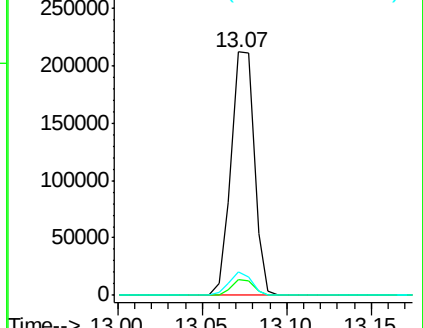
122 9.4 11.0 16.4#



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: 9.082 ng

RT: 14.13 min Scan# 2005

Delta R.T. -0.02 min

Lab File: BF106884.D

Acq: 27 Jun 2018 20:40

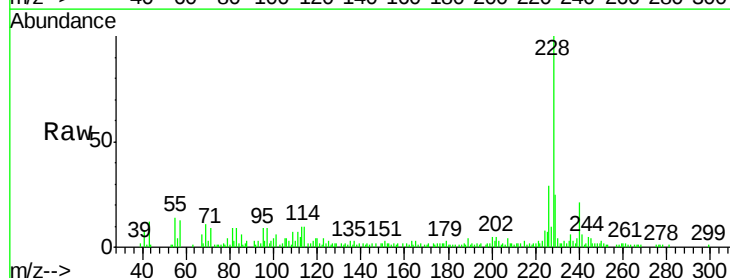
Tgt Ion:228 Resp: 35233

Ion Ratio Lower Upper

228 100

226 29.5 22.6 33.8

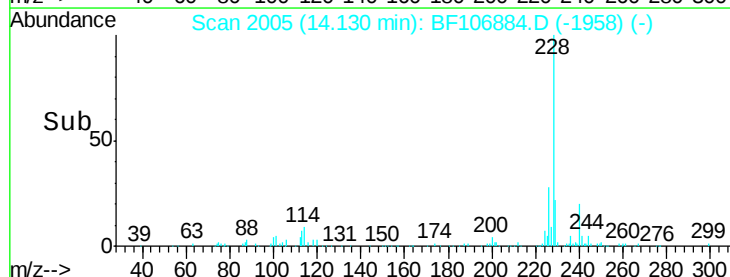
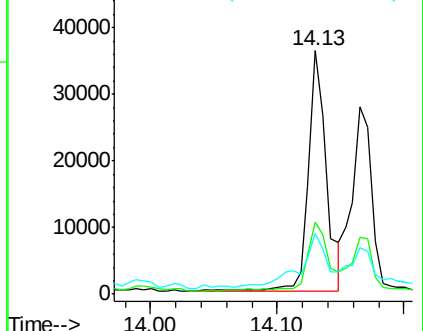
229 25.1 15.8 23.6#

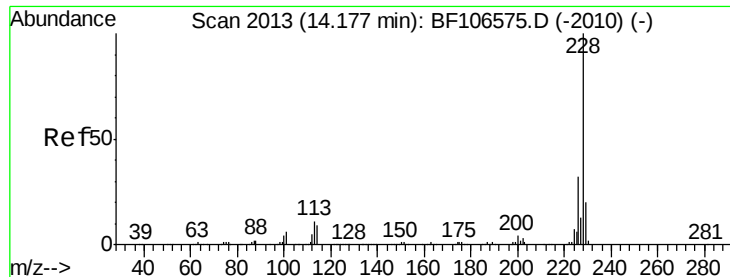


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 8.504 ng

RT: 14.17 min Scan# 2011

Delta R.T. -0.03 min

Lab File: BF106884.D

Acq: 27 Jun 2018 20:40

Instrument :

BNA\_F

ClientSampleId :

JC-02-062618-E

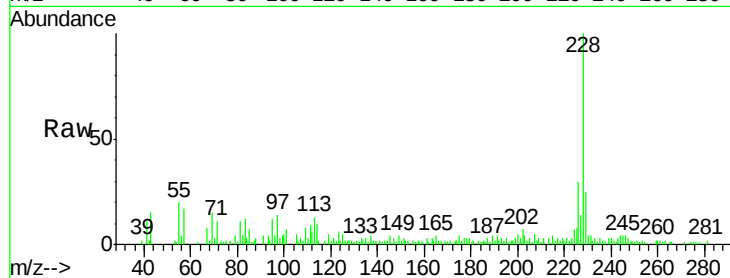
Tgt Ion:228 Resp: 30351

Ion Ratio Lower Upper

228 100

226 30.2 25.0 37.6

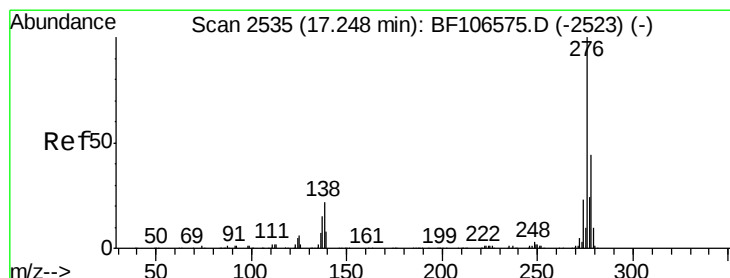
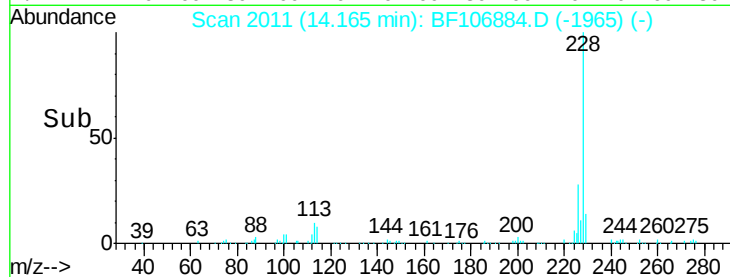
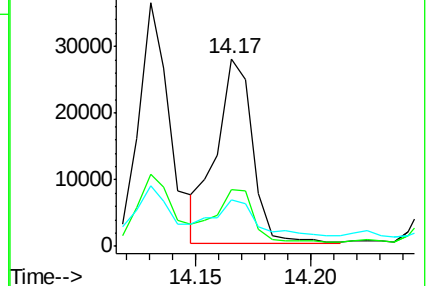
229 24.9 16.2 24.4#



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: 6.415 ng

RT: 17.25 min Scan# 2535

Delta R.T. -0.06 min

Lab File: BF106884.D

Acq: 27 Jun 2018 20:40

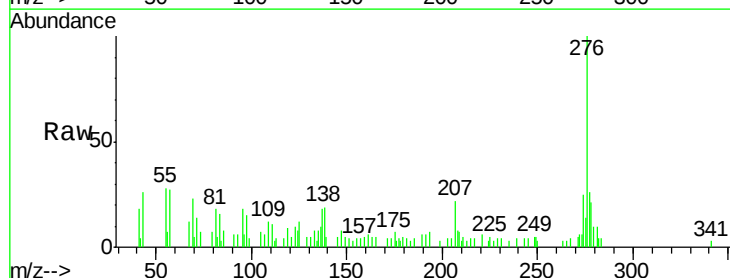
Tgt Ion:276 Resp: 19431

Ion Ratio Lower Upper

276 100

138 22.5 25.0 37.6#

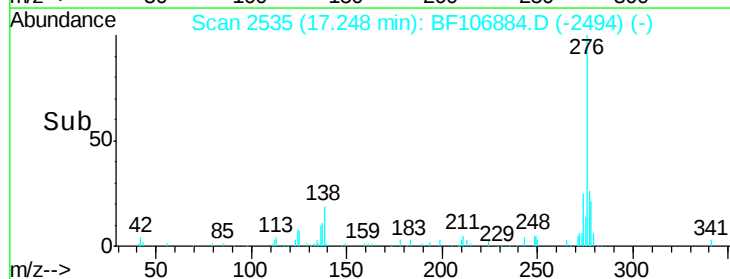
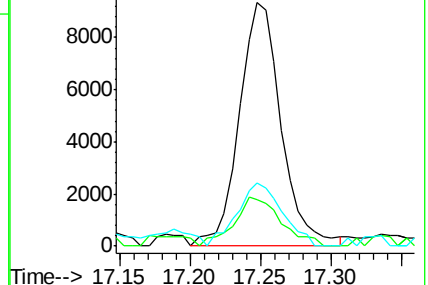
277 27.8 20.1 30.1

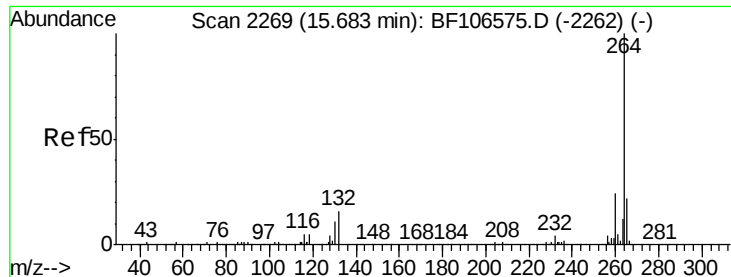


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

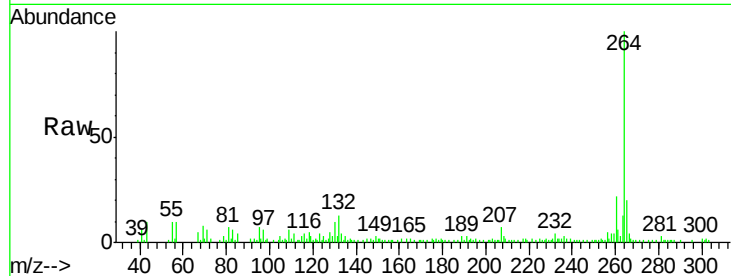




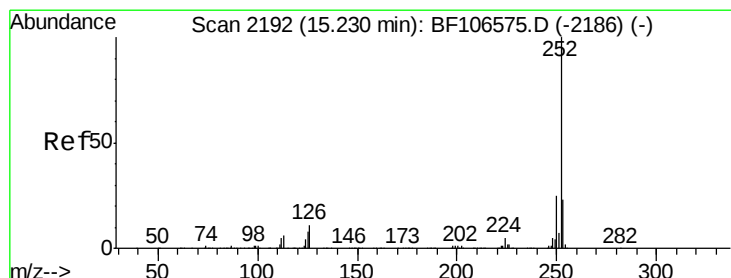
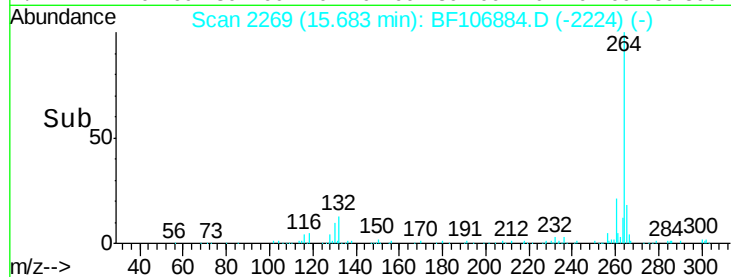
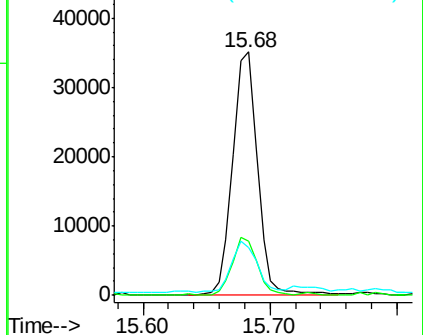
#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.68 min Scan# 2269  
Delta R.T. -0.04 min  
Lab File: BF106884.D  
Acq: 27 Jun 2018 20:40

Instrument :  
BNA\_F  
ClientSampleId :  
JC-02-062618-E

Tgt Ion:264 Resp: 47986  
Ion Ratio Lower Upper  
264 100  
260 22.4 19.2 28.8  
265 19.5 17.5 26.3

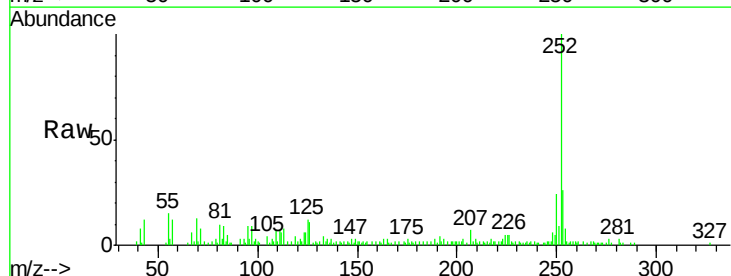


Abundance Ion 264.00 (263.70 to 264.70): E  
Ion 260.00 (259.70 to 260.70): E  
Ion 265.00 (264.70 to 265.70): E

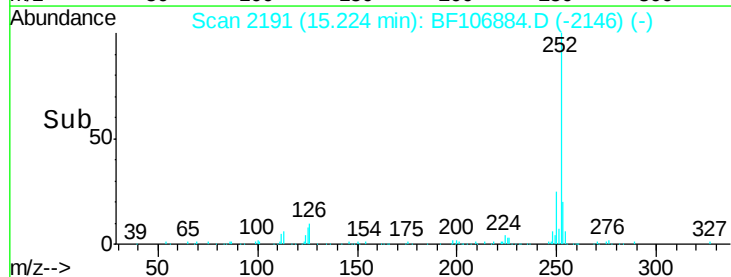
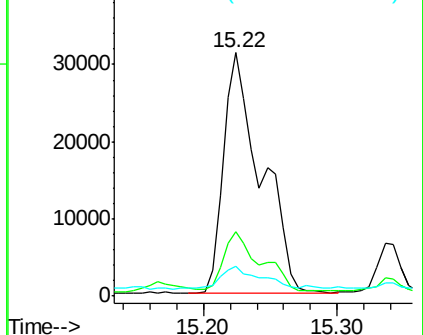


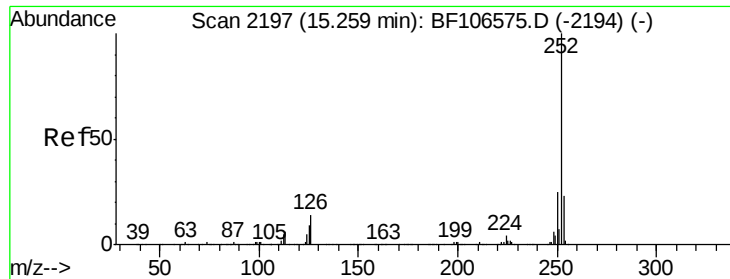
#87  
Benzo(b)fluoranthene  
Concen: 20.777 ng  
RT: 15.22 min Scan# 2191  
Delta R.T. -0.04 min  
Lab File: BF106884.D  
Acq: 27 Jun 2018 20:40

Tgt Ion:252 Resp: 61934  
Ion Ratio Lower Upper  
252 100  
253 26.4 17.0 25.6#  
125 12.2 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

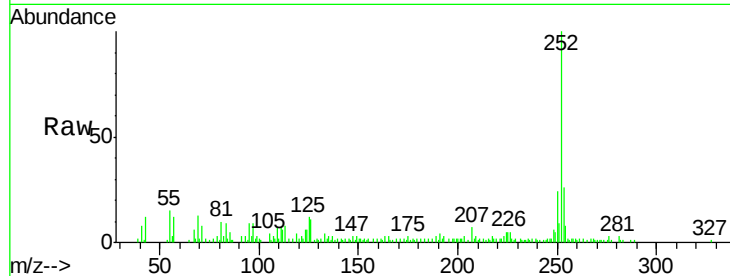




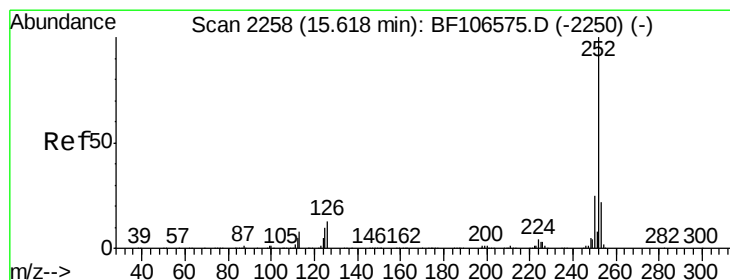
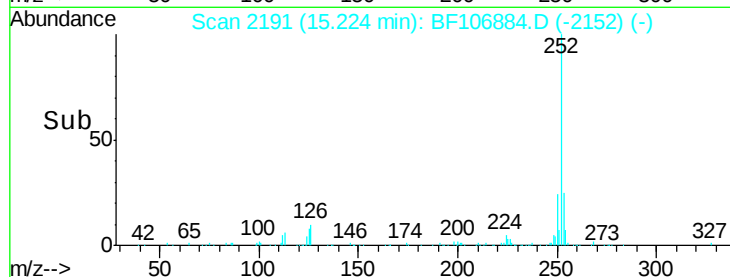
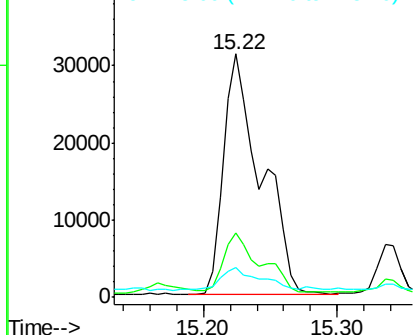
#88  
Benzo(k)fluoranthene  
Concen: 21.818 ng  
RT: 15.22 min Scan# 2191  
Delta R.T. -0.07 min  
Lab File: BF106884.D  
Acq: 27 Jun 2018 20:40

Instrument :  
BNA\_F  
ClientSampleId :  
JC-02-062618-E

Tgt Ion:252 Resp: 61934  
Ion Ratio Lower Upper  
252 100  
253 26.4 17.9 26.9  
125 12.2 10.2 15.2

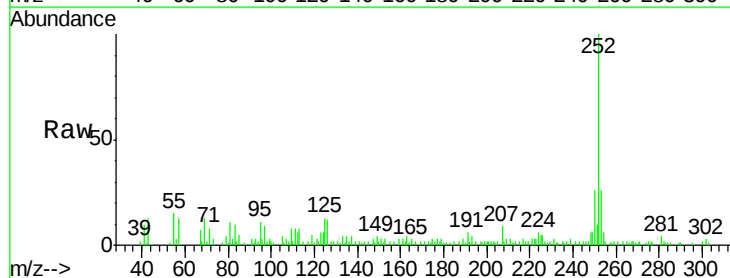


Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

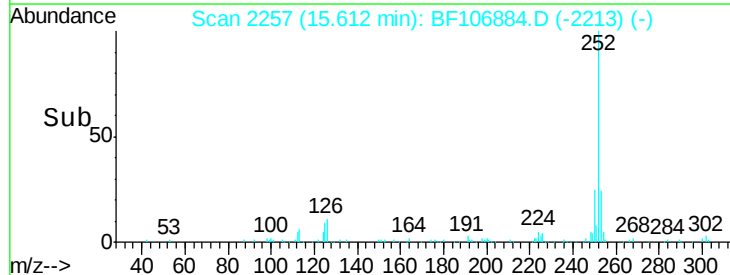
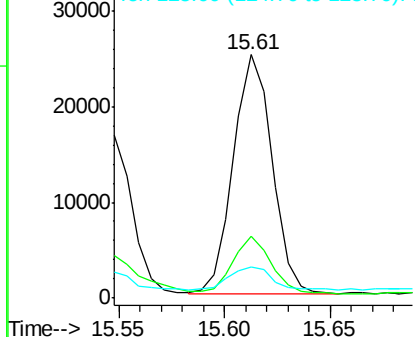


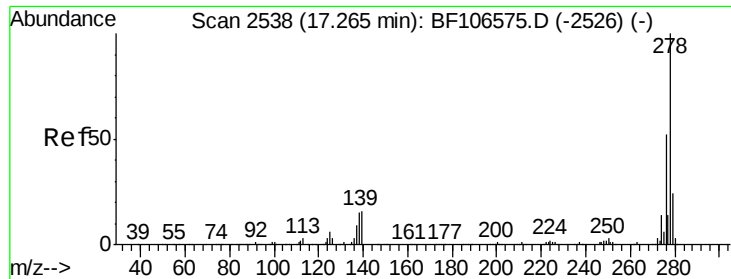
#89  
Benzo(a)pyrene  
Concen: 12.107 ng  
RT: 15.61 min Scan# 2257  
Delta R.T. -0.04 min  
Lab File: BF106884.D  
Acq: 27 Jun 2018 20:40

Tgt Ion:252 Resp: 32082  
Ion Ratio Lower Upper  
252 100  
253 25.5 17.1 25.7  
125 12.6 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: 2.614 ng

RT: 17.25 min Scan# 2536

Delta R.T. -0.07 min

Lab File: BF106884.D

Acq: 27 Jun 2018 20:40

Instrument :

BNA\_F

ClientSampleId :

JC-02-062618-E

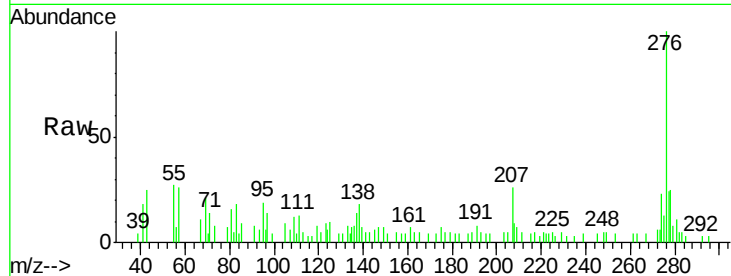
Tgt Ion: 278 Resp: 5870

Ion Ratio Lower Upper

278 100

139 26.1 15.9 23.9#

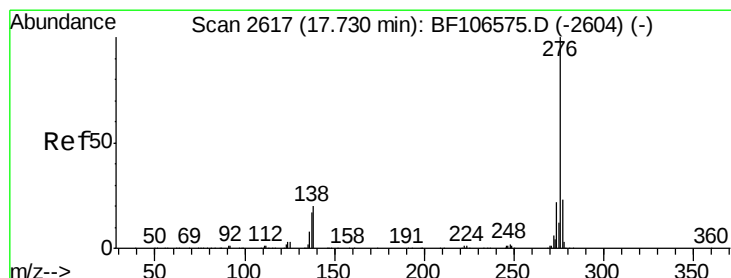
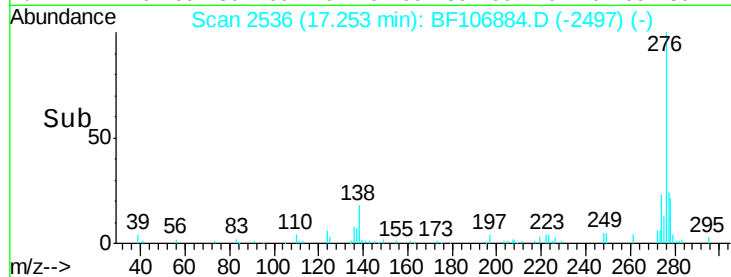
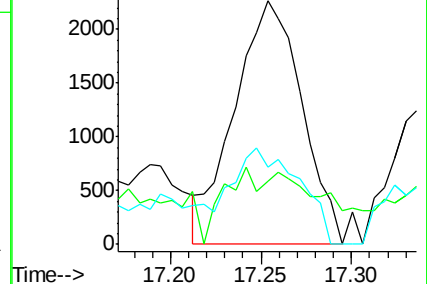
279 31.6 19.0 28.4#



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: 8.386 ng

RT: 17.73 min Scan# 2617

Delta R.T. -0.06 min

Lab File: BF106884.D

Acq: 27 Jun 2018 20:40

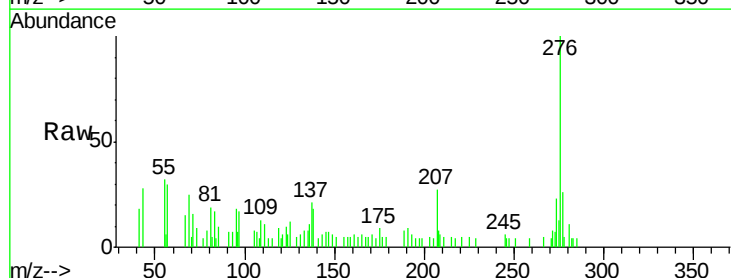
Tgt Ion: 276 Resp: 18407

Ion Ratio Lower Upper

276 100

277 26.5 17.9 26.9

138 18.2 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

