

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062417\  
 Data File : BF096191.D  
 Acq On : 24 Jun 2017 15:37  
 Operator : SJ/MA  
 Sample : I3851-10  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jun 26 01:22:41 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jun 20 16:05:47 2017  
 Response via : Initial Calibration

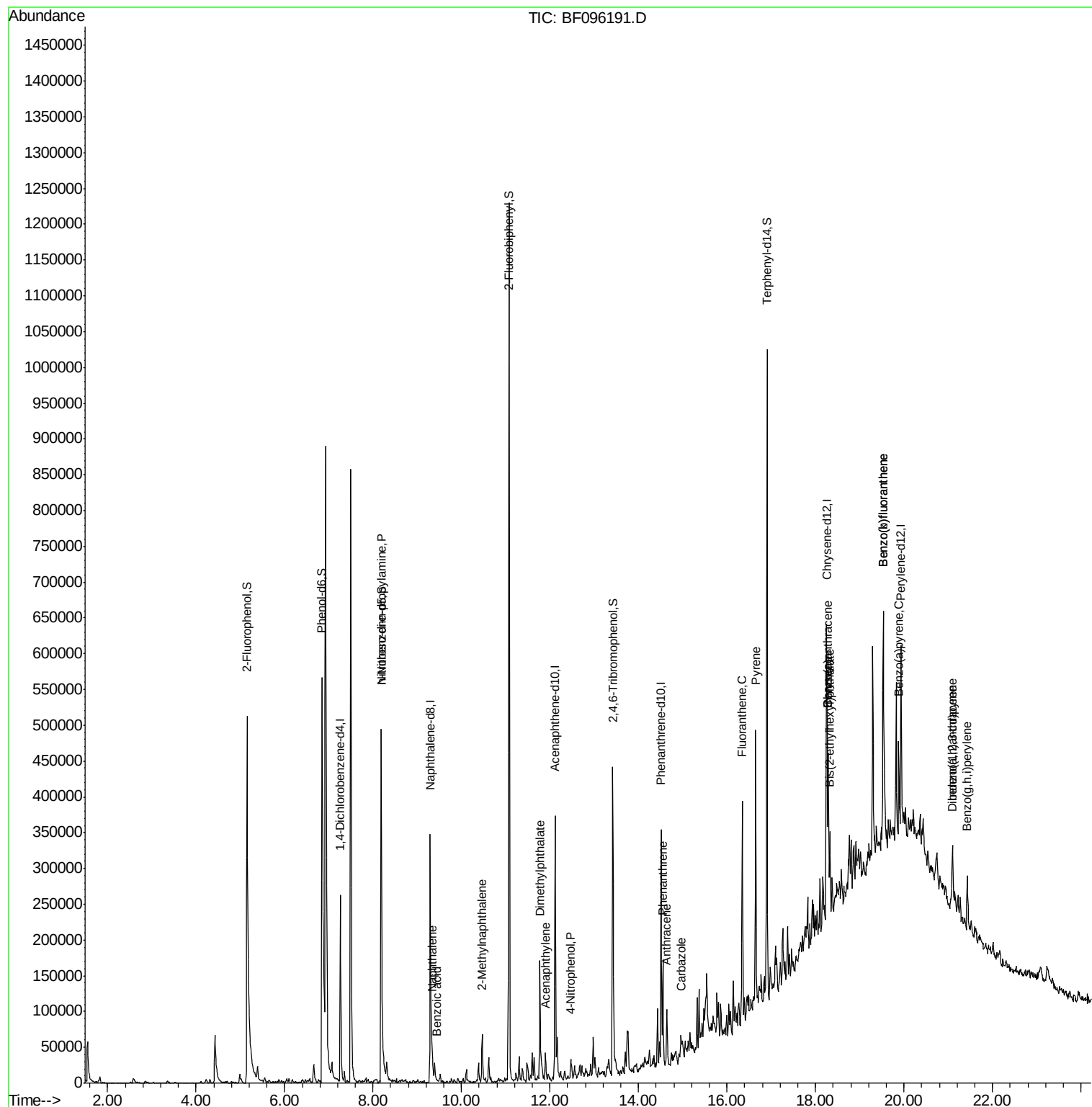
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.26  | 152  | 67536    | 20.00  | ng    | -0.03    |
| 21) Naphthalene-d8             | 9.29  | 136  | 260830   | 20.00  | ng    | -0.04    |
| 38) Acenaphthene-d10           | 12.12 | 164  | 102559   | 20.00  | ng    | -0.04    |
| 63) Phenanthrene-d10           | 14.51 | 188  | 157643   | 20.00  | ng    | -0.03    |
| 75) Chrysene-d12               | 18.26 | 240  | 138264   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12               | 19.93 | 264  | 103199   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.15  | 112  | 445665   | 105.15 | ng    | -0.03    |
| 7) Phenol-d6                   | 6.85  | 99   | 503104   | 99.15  | ng    | -0.03    |
| 23) Nitrobenzene-d5            | 8.19  | 82   | 309380   | 73.66  | ng    | -0.04    |
| 41) 2,4,6-Tribromophenol       | 13.42 | 330  | 76826    | 84.67  | ng    | -0.03    |
| 44) 2-Fluorobiphenyl           | 11.07 | 172  | 537534   | 72.94  | ng    | -0.04    |
| 78) Terphenyl-d14              | 16.90 | 244  | 336536   | 60.41  | ng    | -0.02    |
| Target Compounds               |       |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propylamine | 8.19  | 70   | 36976    | 11.50  | ng    | # 73     |
| 31) Naphthalene                | 9.33  | 128  | 41952    | 3.20   | ng    | 99       |
| 32) Benzoic acid               | 9.45  | 122  | 465      | 5.30   | ng    | 83       |
| 37) 2-Methylnaphthalene        | 10.46 | 142  | 31609    | 3.57   | ng    | 94       |
| 48) Acenaphthylene             | 11.89 | 152  | 26438    | 2.34   | ng    | 97       |
| 49) Dimethylphthalate          | 11.77 | 163  | 98174    | 12.61  | ng    | 98       |
| 55) 4-Nitrophenol              | 12.47 | 139  | 5174     | 8.85   | ng    | # 34     |
| 70) Phenanthrene               | 14.55 | 178  | 86971    | 9.56   | ng    | 99       |
| 71) Anthracene                 | 14.64 | 178  | 46386    | 4.88   | ng    | 96       |
| 72) Carbazole                  | 14.96 | 167  | 20889    | 2.26   | ng    | 98       |
| 74) Fluoranthene               | 16.34 | 202  | 157482   | 17.49  | ng    | 100      |
| 77) Pyrene                     | 16.65 | 202  | 152895   | 14.82  | ng    | 98       |
| 80) Benzo(a)anthracene         | 18.29 | 228  | 128487   | 15.98  | ng    | 99       |
| 82) Chrysene                   | 18.29 | 228  | 128487   | 15.99  | ng    | 96       |
| 83) Bis(2-ethylhexyl)phthalate | 18.33 | 149  | 38766    | 6.10   | ng    | # 99     |
| 85) Indeno(1,2,3-cd)pyrene     | 21.10 | 276  | 49638    | 7.22   | ng    | 94       |
| 87) Benzo(b)fluoranthene       | 19.53 | 252  | 221250   | 34.24  | ng    | # 96     |
| 88) Benzo(k)fluoranthene       | 19.53 | 252  | 221250   | 35.82  | ng    | 99       |
| 89) Benzo(a)pyrene             | 19.88 | 252  | 63816    | 10.74  | ng    | # 89     |
| 90) Dibenzo(a,h)anthracene     | 21.09 | 278  | 19230    | 3.82   | ng    | # 86     |
| 91) Benzo(g,h,i)perylene       | 21.43 | 276  | 43703    | 8.51   | ng    | 97       |

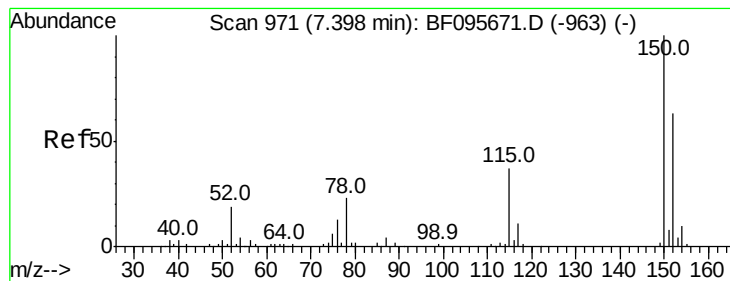
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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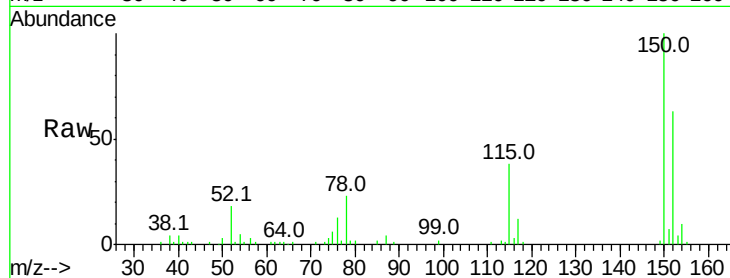


#1

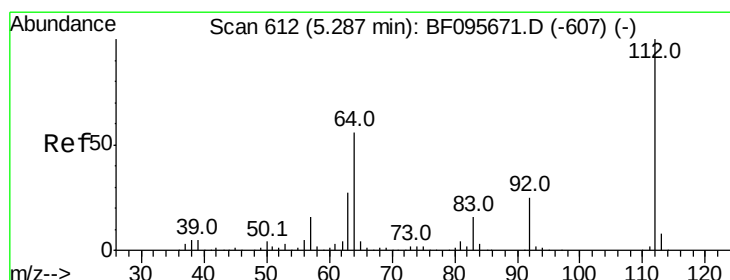
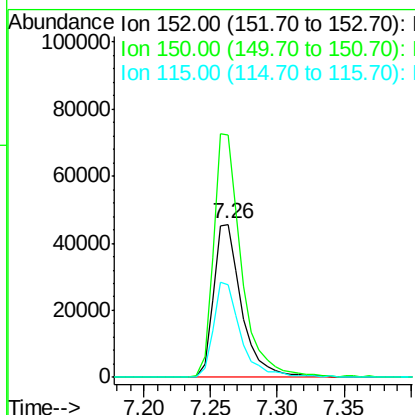
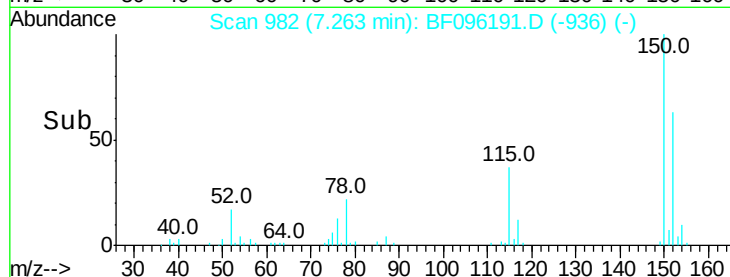
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.26 min Scan# 982  
Delta R.T. -0.03 min  
Lab File: BF096191.D  
Acq: 24 Jun 2017 15:37

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:152 Resp: 67536  
Ion Ratio Lower Upper  
152 100  
150 158.7 126.2 189.2  
115 60.2 52.2 78.2



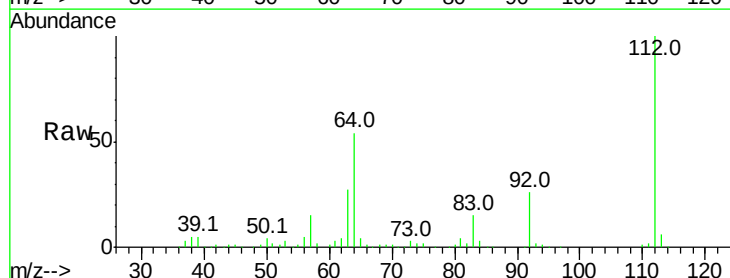
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



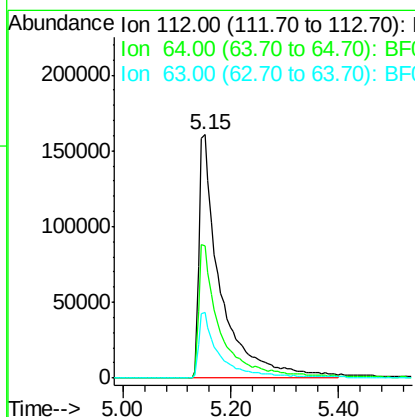
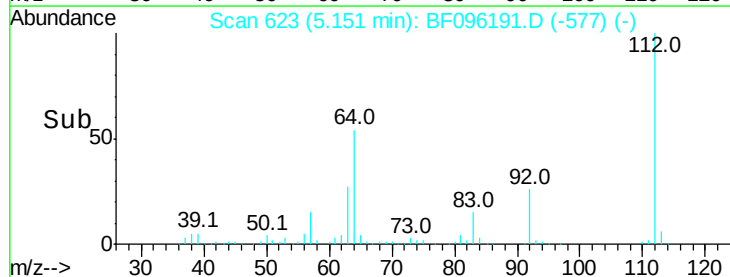
#5

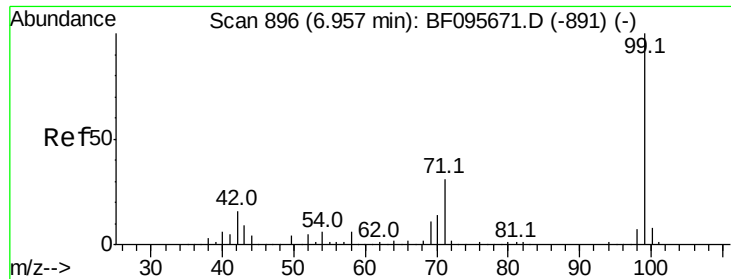
2-Fluorophenol  
Concen: 105.15 ng  
RT: 5.15 min Scan# 623  
Delta R.T. -0.03 min  
Lab File: BF096191.D  
Acq: 24 Jun 2017 15:37

Tgt Ion:112 Resp: 445665  
Ion Ratio Lower Upper  
112 100  
64 54.3 46.0 69.0  
63 26.8 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BF0  
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 99.15 ng

RT: 6.85 min Scan# 911

Delta R.T. -0.03 min

Lab File: BF096191.D

Acq: 24 Jun 2017 15:37

Instrument :

BNA\_F

ClientSampled :

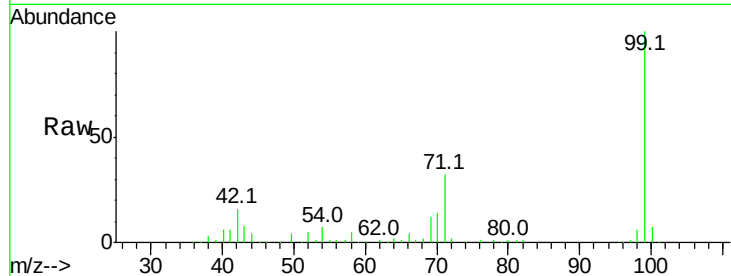
Tot Ion: 99 Resp: 503104

Ion Ratio Lower Upper

99 100

42 15.5 13.5 20.3

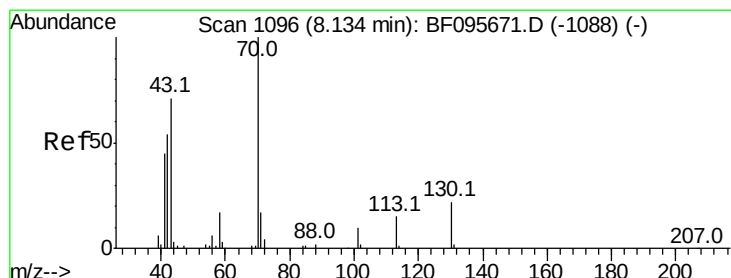
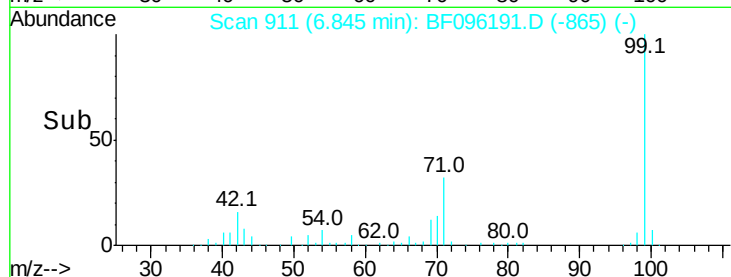
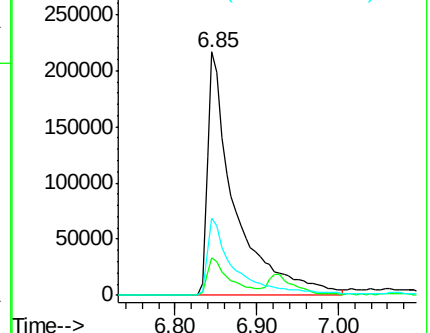
71 31.8 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 11.50 ng

RT: 8.19 min Scan# 1139

Delta R.T. 0.15 min

Lab File: BF096191.D

Acq: 24 Jun 2017 15:37

Tgt Ion: 70 Resp: 36976

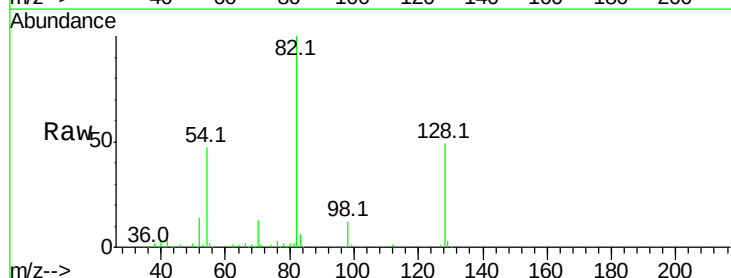
Ion Ratio Lower Upper

70 100

42 41.0 47.2 70.8#

101 0.0 7.2 10.8#

130 2.2 15.9 23.9#

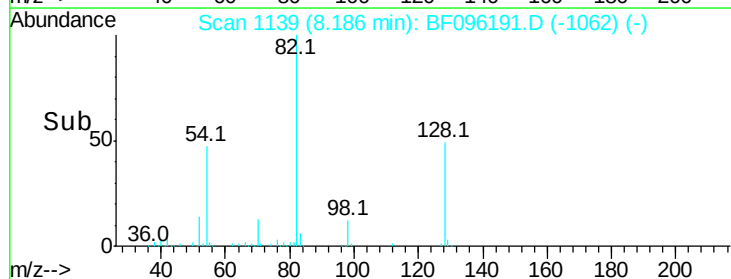
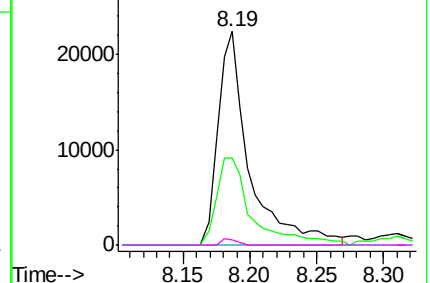


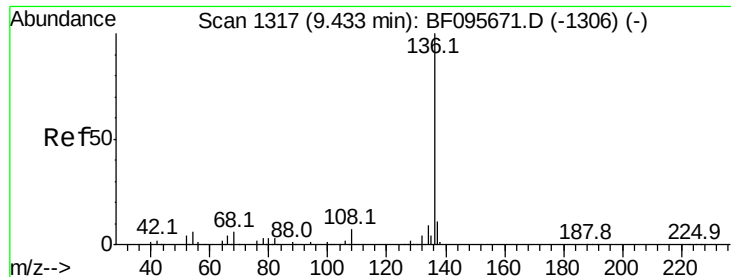
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.29 min Scan# 1327

Delta R.T. -0.04 min

Lab File: BF096191.D

Acq: 24 Jun 2017 15:37

Instrument :

BNA\_F

ClientSampled :

Tot Ion:136 Resp: 260830

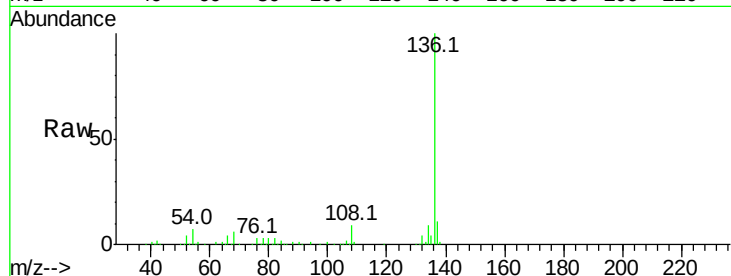
Ion Ratio Lower Upper

136 100

137 10.5 8.5 12.7

54 7.1 4.9 7.3

68 5.8 4.1 6.1

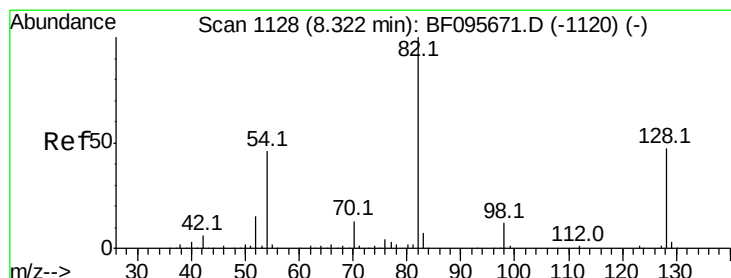
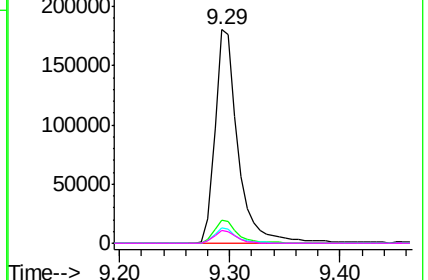
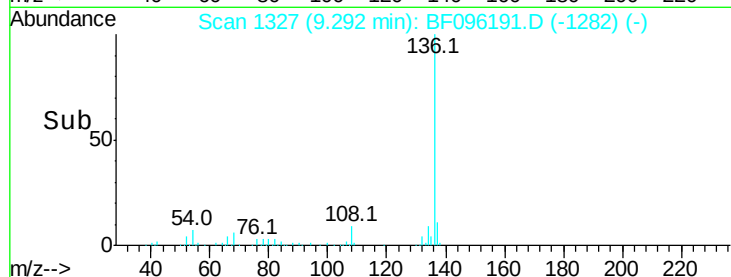


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 73.66 ng

RT: 8.19 min Scan# 1139

Delta R.T. -0.04 min

Lab File: BF096191.D

Acq: 24 Jun 2017 15:37

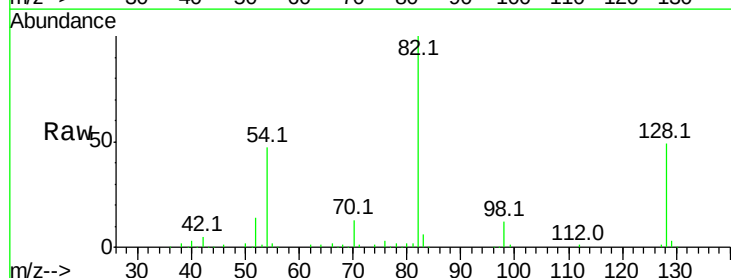
Tgt Ion: 82 Resp: 309380

Ion Ratio Lower Upper

82 100

128 49.2 34.0 51.0

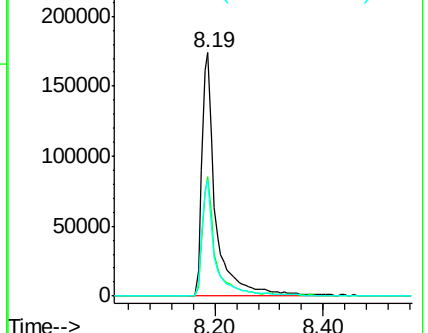
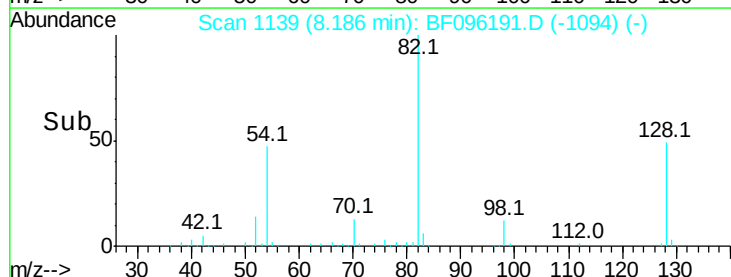
54 47.3 42.2 63.2

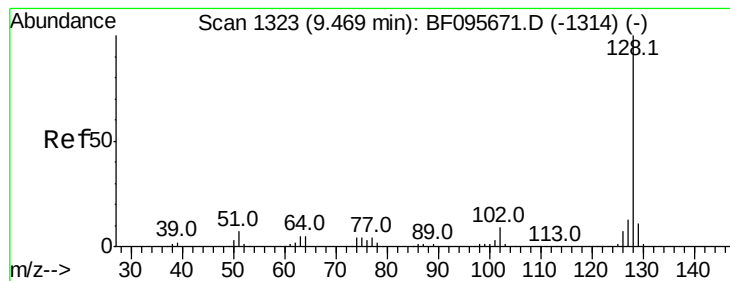


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#31

Naphthalene

Concen: 3.20 ng

RT: 9.33 min Scan# 1334

Delta R.T. -0.03 min

Lab File: BF096191.D

Acq: 24 Jun 2017 15:37

Instrument :

BNA\_F

ClientSampleId :

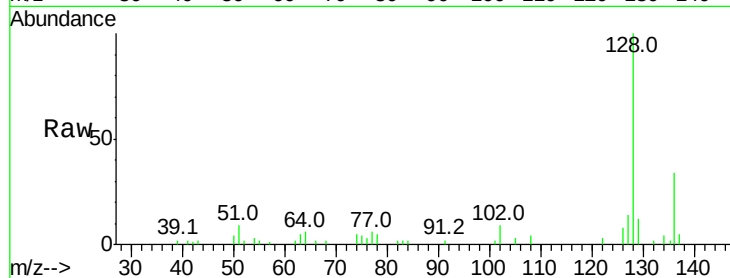
Tot Ion:128 Resp: 41952

Ion Ratio Lower Upper

128 100

129 11.5 9.0 13.6

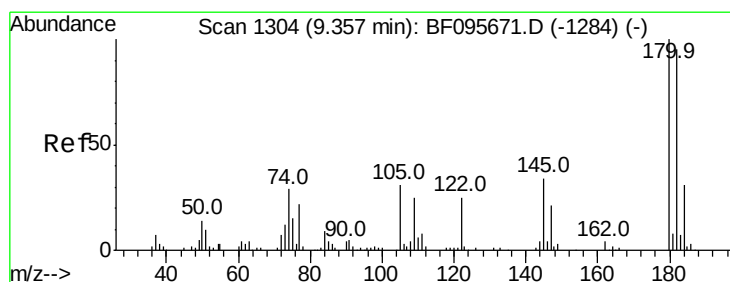
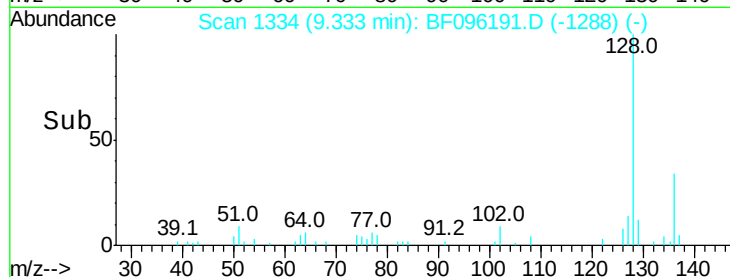
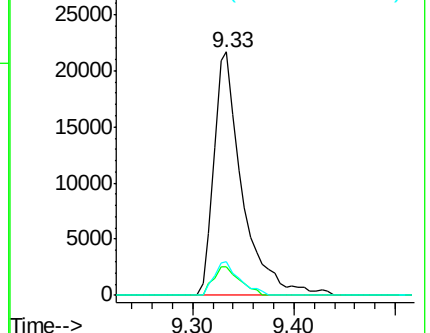
127 14.1 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 5.30 ng

RT: 9.45 min Scan# 1354

Delta R.T. 0.15 min

Lab File: BF096191.D

Acq: 24 Jun 2017 15:37

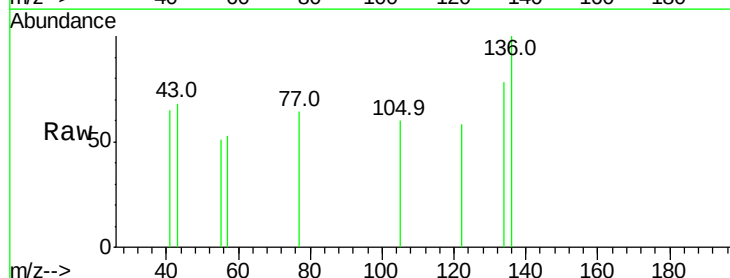
Tgt Ion:122 Resp: 465

Ion Ratio Lower Upper

122 100

105 104.6 103.3 143.3

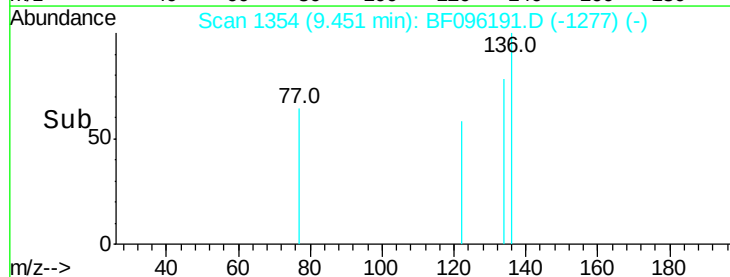
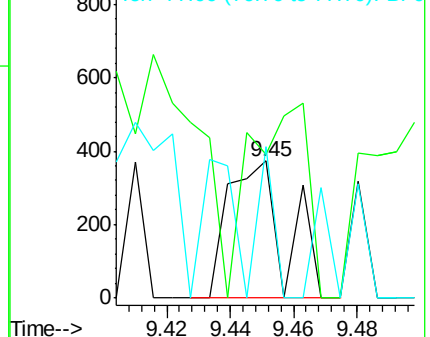
77 110.7 73.7 113.7

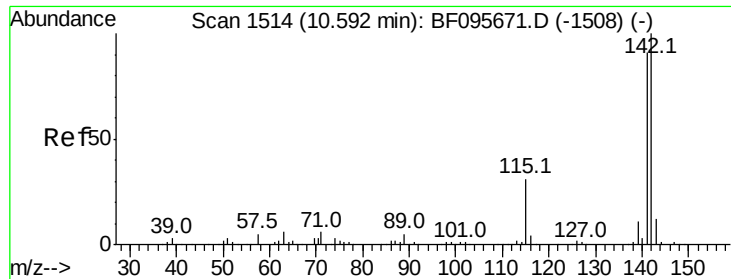


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

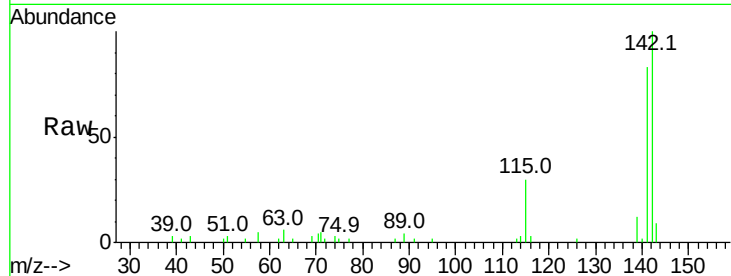




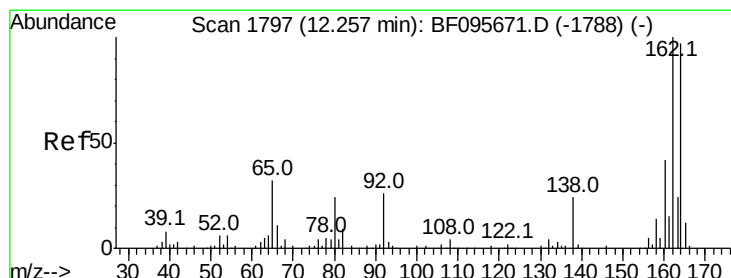
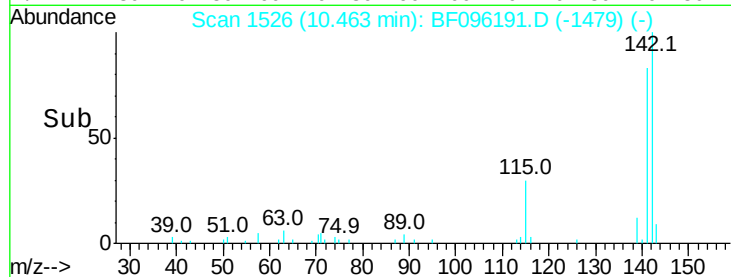
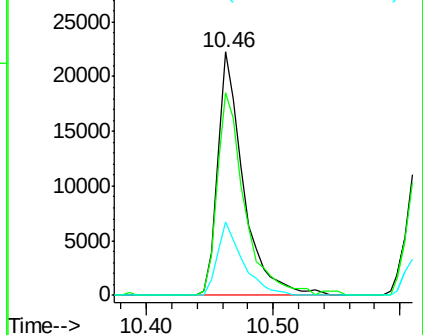
#37  
2-Methylnaphthalene  
Concen: 3.57 ng  
RT: 10.46 min Scan# 1526  
Delta R.T. -0.02 min  
Lab File: BF096191.D  
Acq: 24 Jun 2017 15:37

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:142 Resp: 31609  
Ion Ratio Lower Upper  
142 100  
141 83.2 71.3 106.9  
115 30.0 27.1 40.7

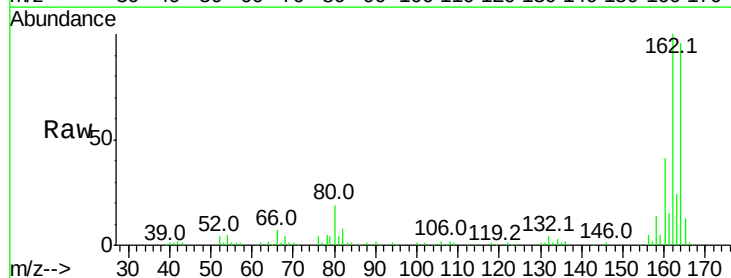


Abundance Ion 142.00 (141.70 to 142.70): E  
Ion 141.00 (140.70 to 141.70): E  
Ion 115.00 (114.70 to 115.70): E

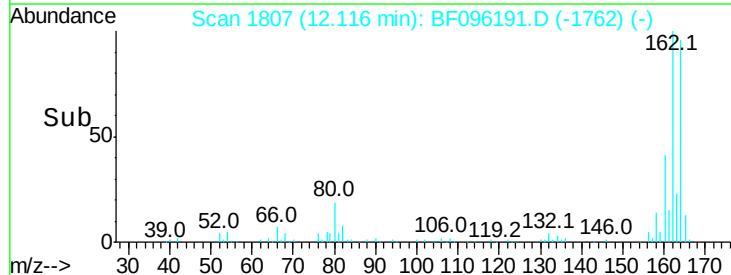
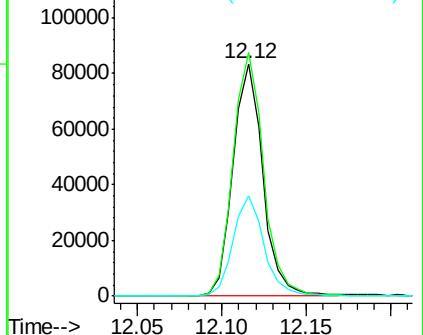


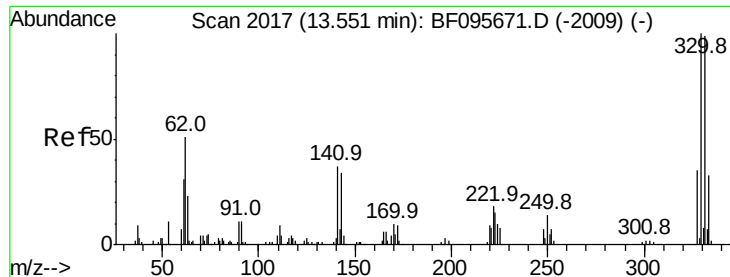
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 12.12 min Scan# 1807  
Delta R.T. -0.04 min  
Lab File: BF096191.D  
Acq: 24 Jun 2017 15:37

Tgt Ion:164 Resp: 102559  
Ion Ratio Lower Upper  
164 100  
162 104.7 82.6 123.8  
160 43.3 36.2 54.2



Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

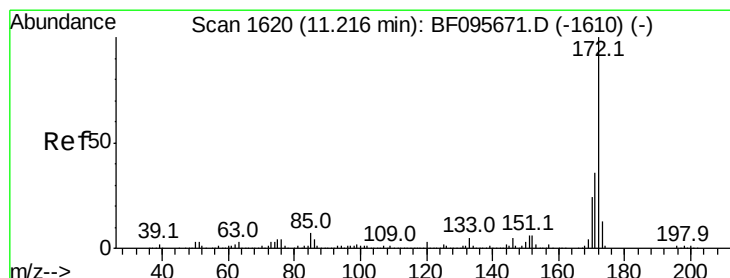
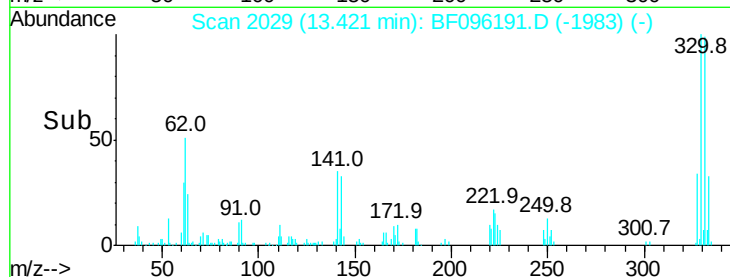
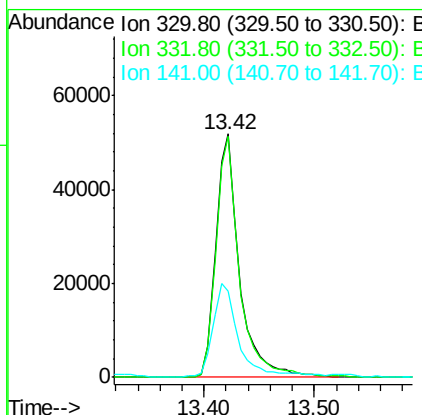
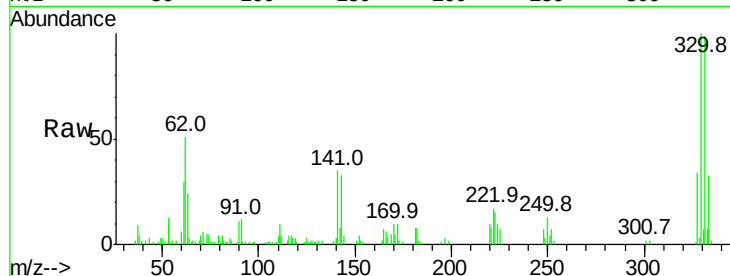




#41  
 2,4,6-Tribromophenol  
 Concen: 84.67 ng  
 RT: 13.42 min Scan# 2029  
 Delta R.T. -0.03 min  
 Lab File: BF096191.D  
 Acq: 24 Jun 2017 15:37

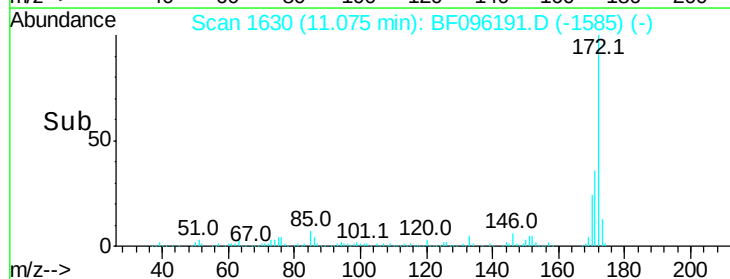
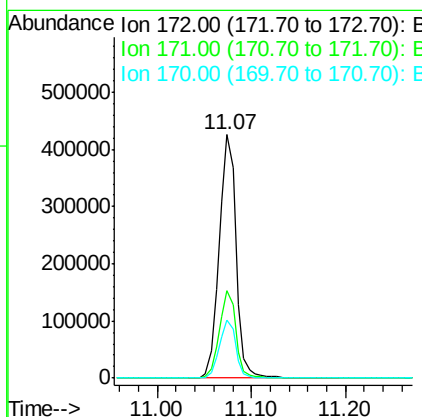
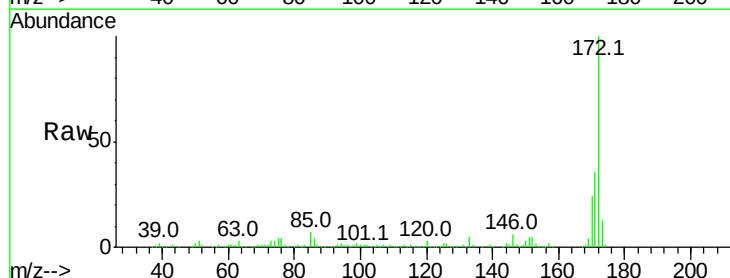
Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:330 Resp: 76826  
 Ion Ratio Lower Upper  
 330 100  
 332 98.5 76.6 115.0  
 141 42.3 31.4 47.2

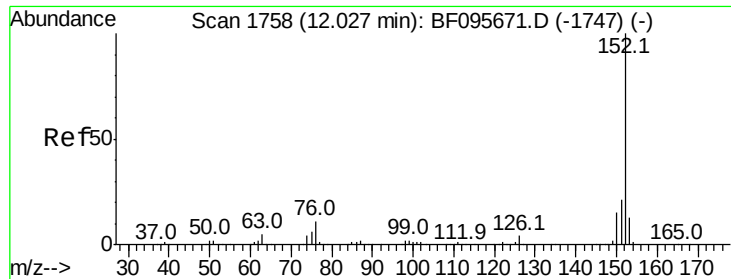


#44  
 2-Fluorobiphenyl  
 Concen: 72.94 ng  
 RT: 11.07 min Scan# 1630  
 Delta R.T. -0.04 min  
 Lab File: BF096191.D  
 Acq: 24 Jun 2017 15:37

Tgt Ion:172 Resp: 537534  
 Ion Ratio Lower Upper  
 172 100  
 171 36.1 29.6 44.4  
 170 23.7 19.8 29.8







#48

Acenaphthylene

Concen: 2.34 ng

RT: 11.89 min Scan# 1769

Delta R.T. -0.03 min

Lab File: BF096191.D

Acq: 24 Jun 2017 15:37

Instrument :

BNA\_F

ClientSampleId :

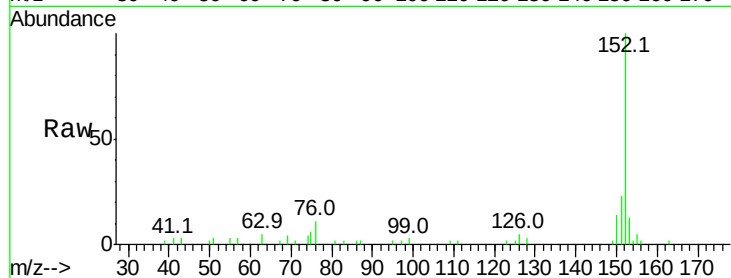
Tot Ion:152 Resp: 26438

Ion Ratio Lower Upper

152 100

151 22.9 16.8 25.2

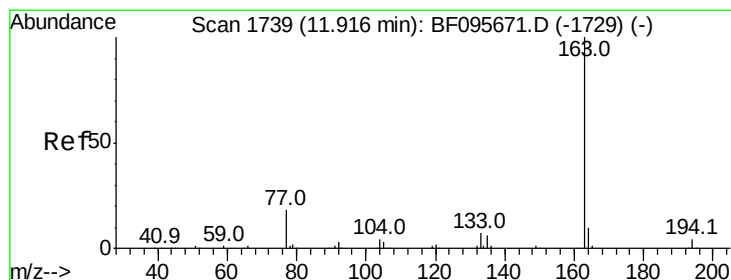
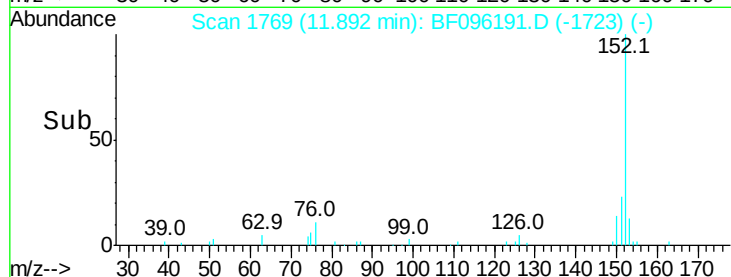
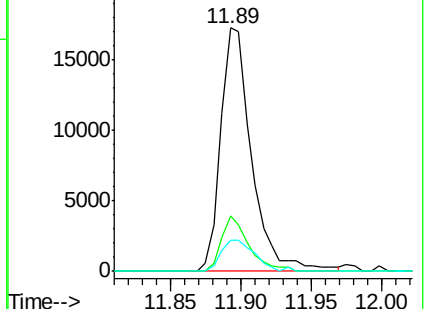
153 12.9 10.8 16.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 12.61 ng

RT: 11.77 min Scan# 1749

Delta R.T. -0.05 min

Lab File: BF096191.D

Acq: 24 Jun 2017 15:37

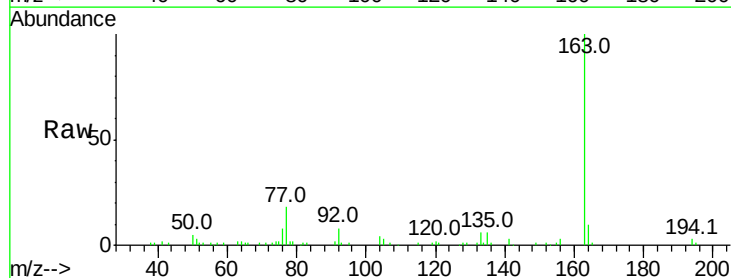
Tgt Ion:163 Resp: 98174

Ion Ratio Lower Upper

163 100

194 3.4 2.6 4.0

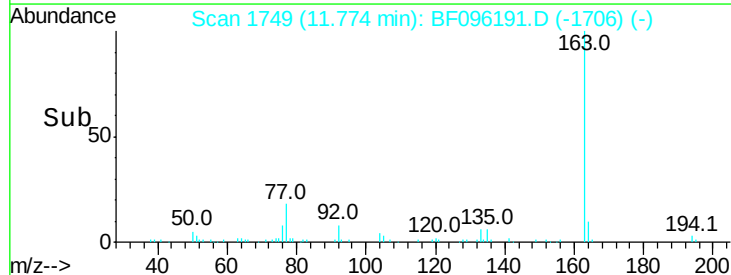
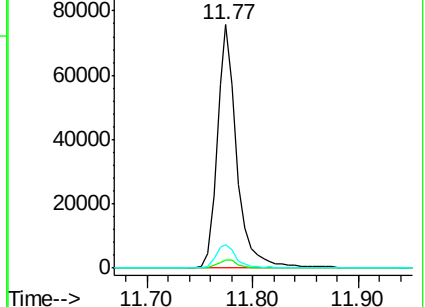
164 9.6 8.4 12.6

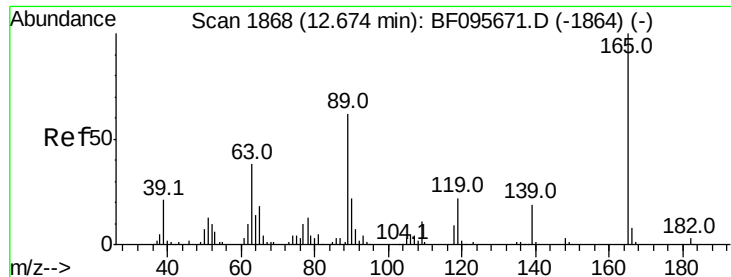


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#55

4-Nitrophenol

Concen: 8.85 ng

RT: 12.47 min Scan# 1867

Delta R.T. -0.16 min

Lab File: BF096191.D

Acq: 24 Jun 2017 15:37

Instrument :

BNA\_F

ClientSampleId :

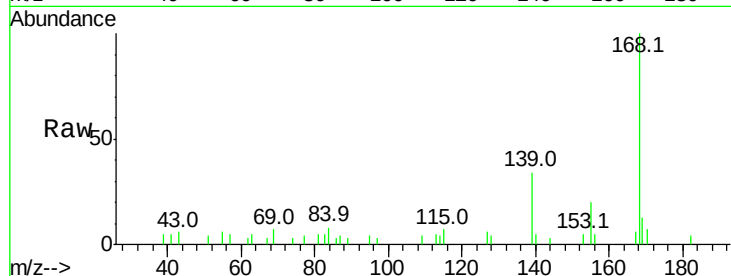
Tot Ion:139 Resp: 5174

Ion Ratio Lower Upper

139 100

109 11.8 34.1 74.1#

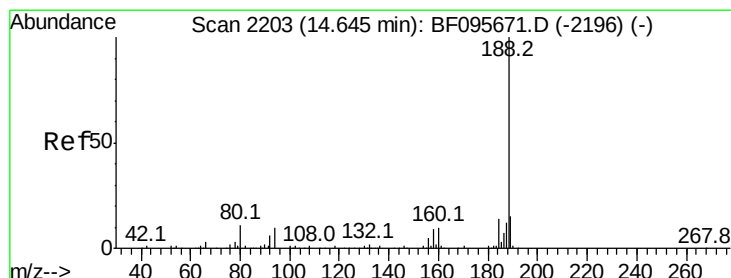
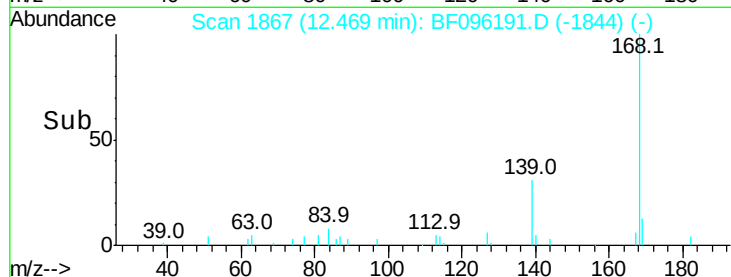
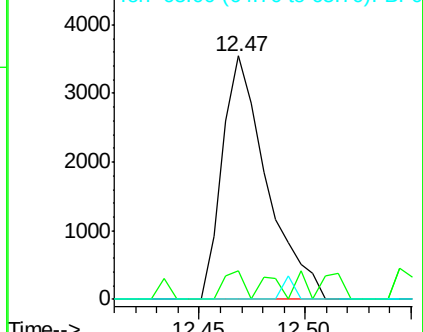
65 0.0 31.4 71.4#



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): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 14.51 min Scan# 2214

Delta R.T. -0.03 min

Lab File: BF096191.D

Acq: 24 Jun 2017 15:37

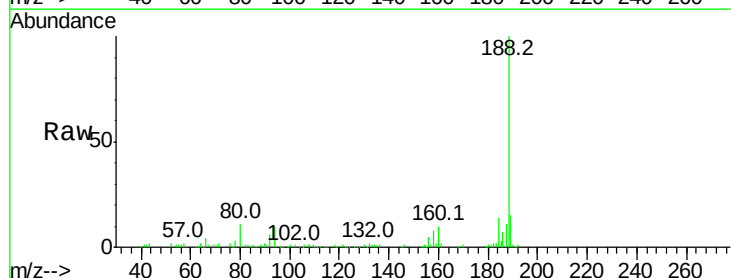
Tgt Ion:188 Resp: 157643

Ion Ratio Lower Upper

188 100

94 10.1 9.4 14.2

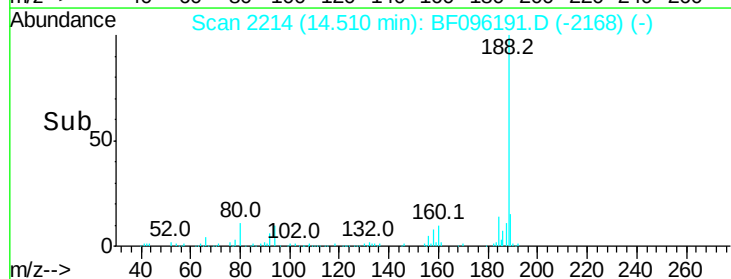
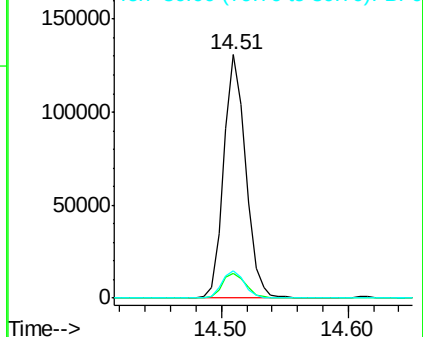
80 11.1 10.2 15.2

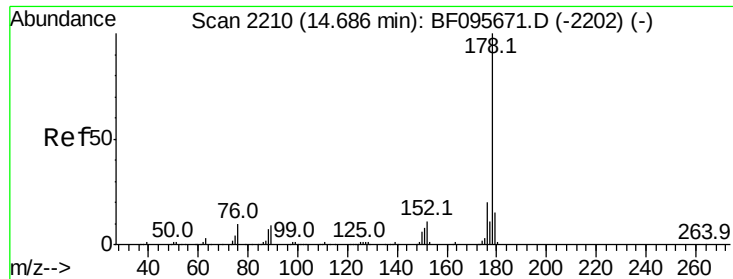


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 9.56 ng

RT: 14.55 min Scan# 2221

Delta R.T. -0.03 min

Lab File: BF096191.D

Acq: 24 Jun 2017 15:37

Instrument :

BNA\_F

ClientSampleId :

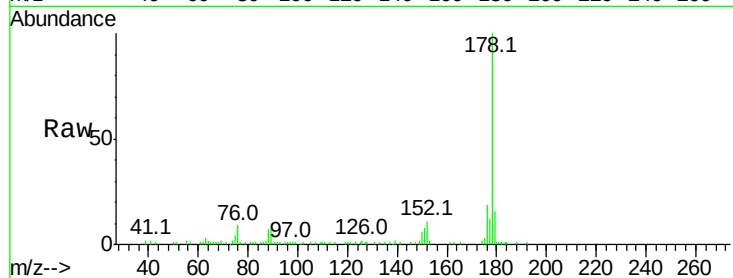
Tot Ion:178 Resp: 86971

Ion Ratio Lower Upper

178 100

176 19.4 16.2 24.4

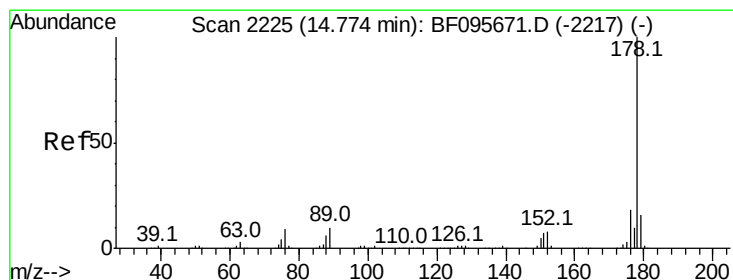
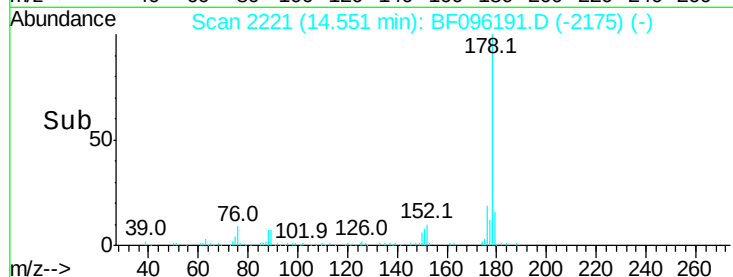
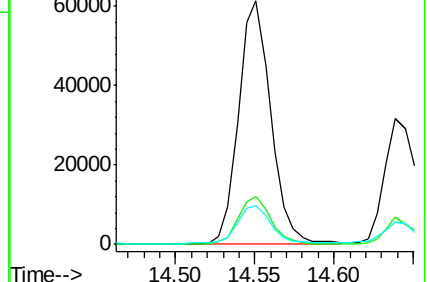
179 16.1 12.6 19.0



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



#71

Anthracene

Concen: 4.88 ng

RT: 14.64 min Scan# 2236

Delta R.T. -0.03 min

Lab File: BF096191.D

Acq: 24 Jun 2017 15:37

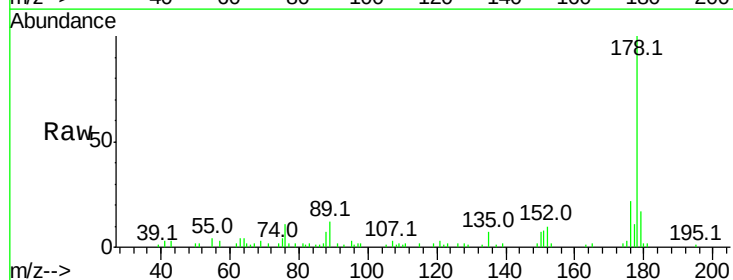
Tgt Ion:178 Resp: 46386

Ion Ratio Lower Upper

178 100

176 21.7 15.8 23.8

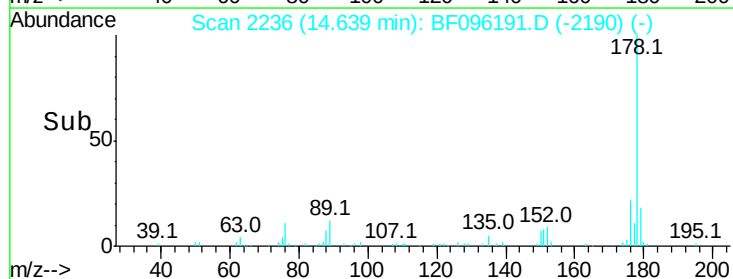
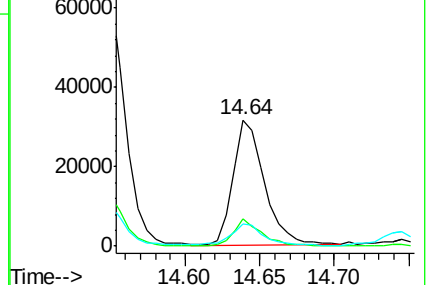
179 17.5 12.7 19.1

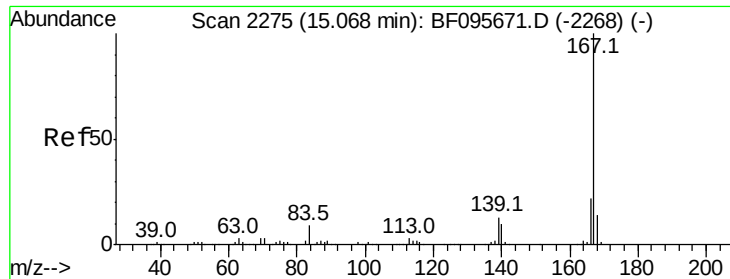


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 2.26 ng

RT: 14.96 min Scan# 2290

Delta R.T. -0.01 min

Lab File: BF096191.D

Acq: 24 Jun 2017 15:37

Instrument :

BNA\_F

ClientSampleId :

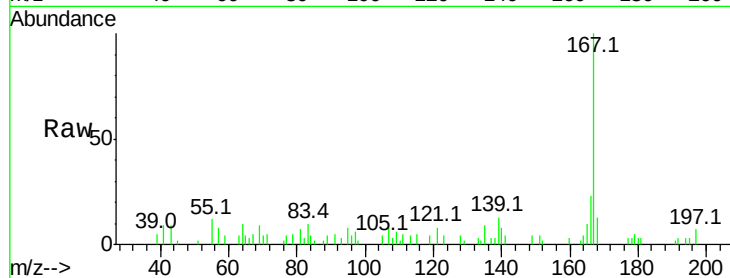
Tot Ion:167 Resp: 20889

Ion Ratio Lower Upper

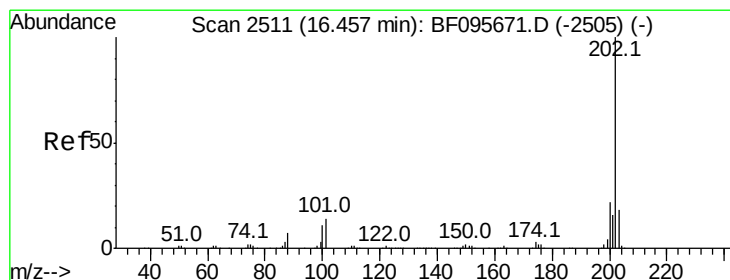
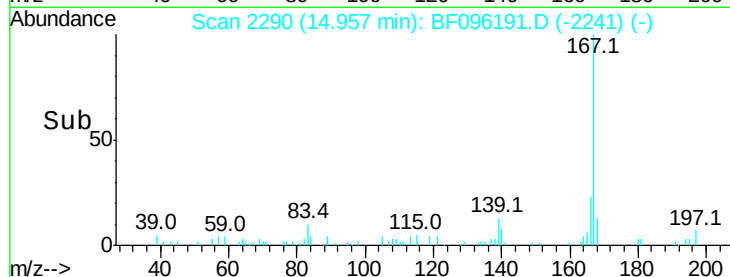
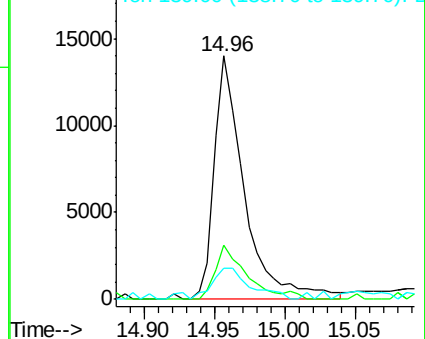
167 100

166 22.5 18.1 27.1

139 12.8 11.7 17.5



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: 17.49 ng

RT: 16.34 min Scan# 2526

Delta R.T. -0.02 min

Lab File: BF096191.D

Acq: 24 Jun 2017 15:37

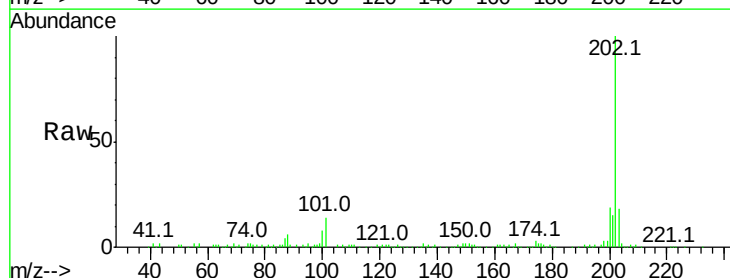
Tgt Ion:202 Resp: 157482

Ion Ratio Lower Upper

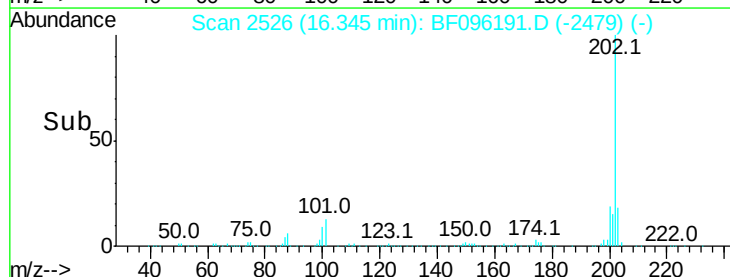
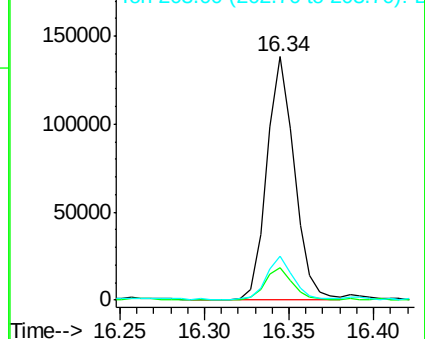
202 100

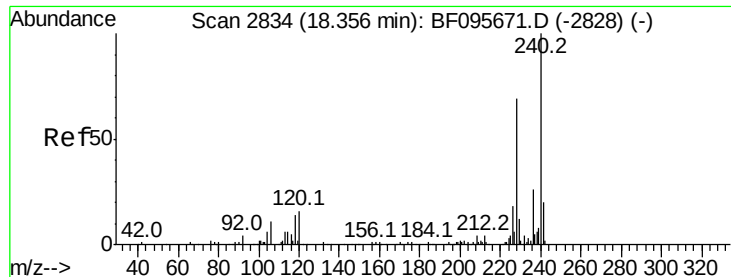
101 13.6 0.0 33.2

203 18.0 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: 20.00 ng

RT: 18.26 min Scan# 2851

Delta R.T. -0.02 min

Lab File: BF096191.D

Acq: 24 Jun 2017 15:37

Instrument :

BNA\_F

ClientSampleId :

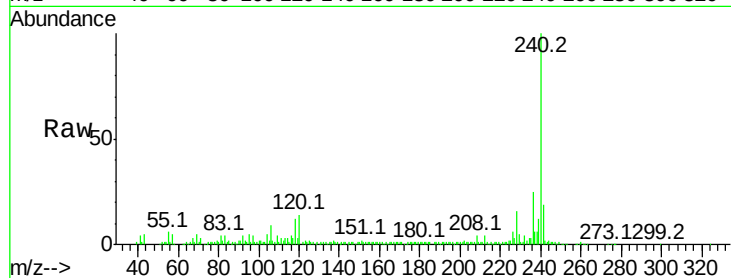
Tot Ion:240 Resp: 138264

Ion Ratio Lower Upper

240 100

120 13.7 5.8 8.8#

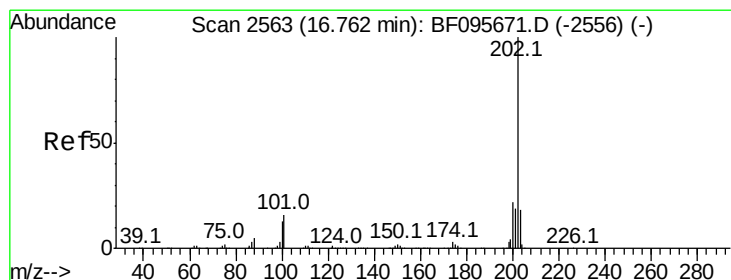
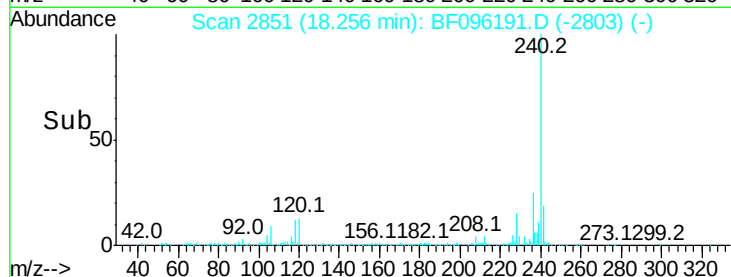
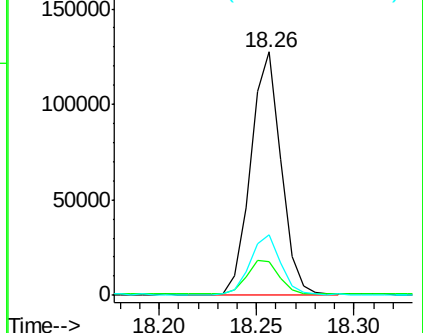
236 24.9 20.5 30.7



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: 14.82 ng

RT: 16.65 min Scan# 2578

Delta R.T. -0.02 min

Lab File: BF096191.D

Acq: 24 Jun 2017 15:37

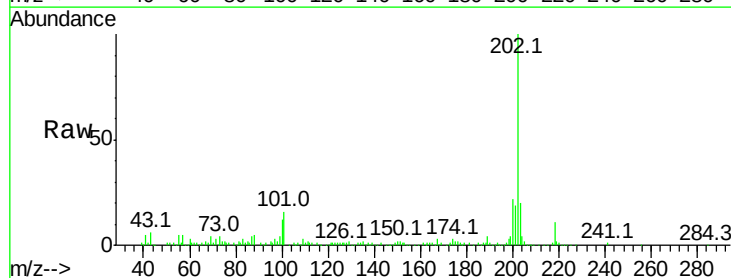
Tgt Ion:202 Resp: 152895

Ion Ratio Lower Upper

202 100

200 21.6 17.6 26.4

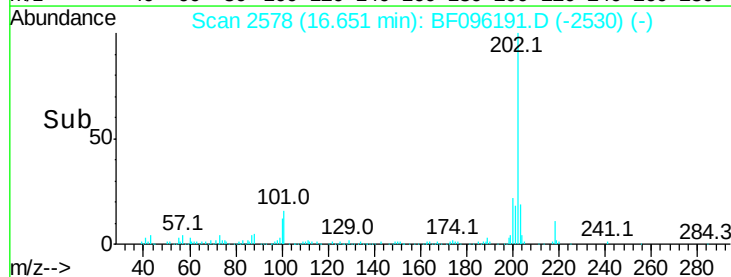
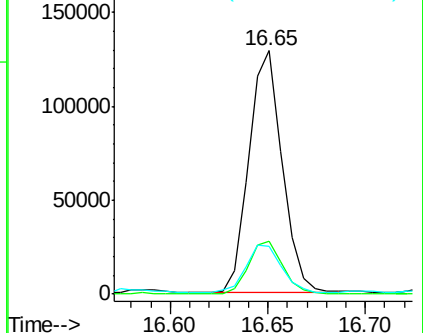
203 19.6 14.4 21.6

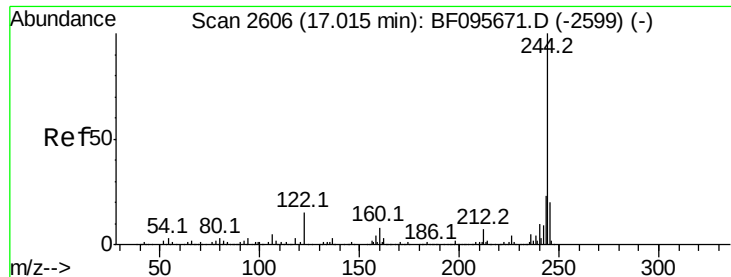


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

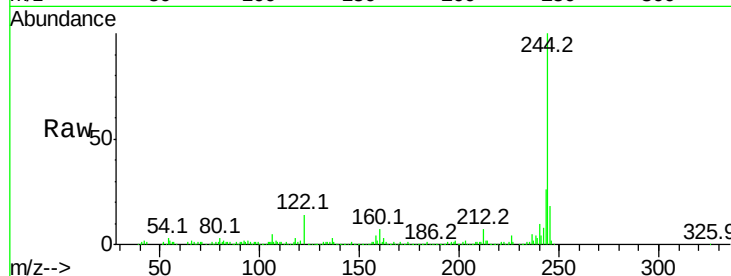




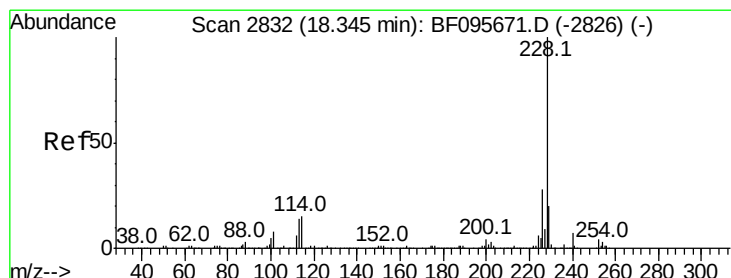
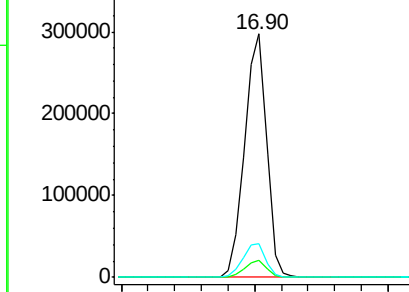
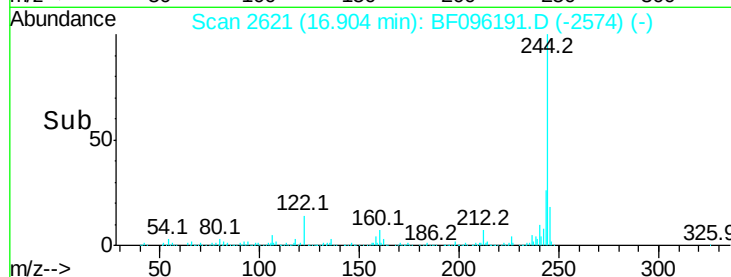
#78  
 Terphenyl-d14  
 Concen: 60.41 ng  
 RT: 16.90 min Scan# 2621  
 Delta R.T. -0.02 min  
 Lab File: BF096191.D  
 Acq: 24 Jun 2017 15:37

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.2   | 6.0   | 9.0   |
| 122     | 14.0  | 10.3  | 15.5  |

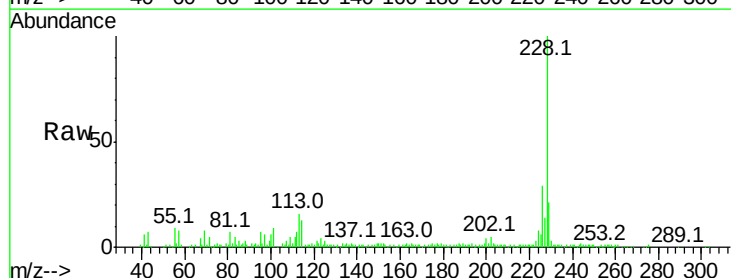


Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E

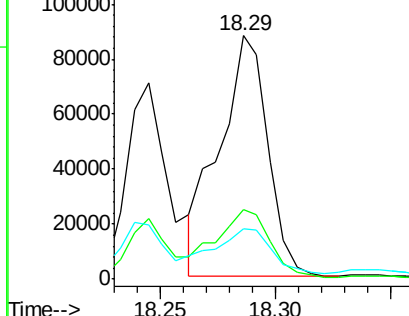
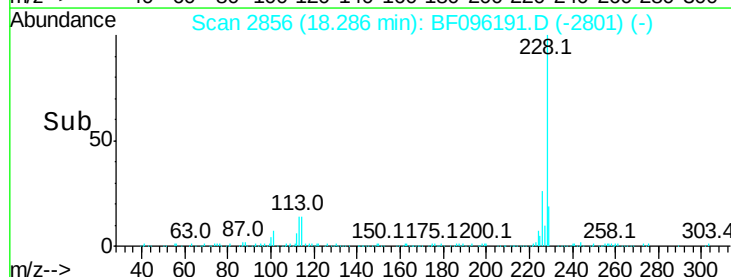


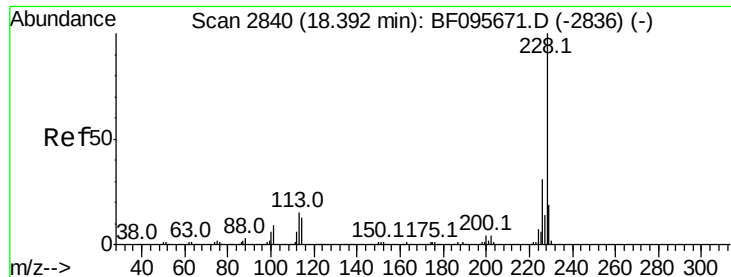
#80  
 Benzo(a)anthracene  
 Concen: 15.98 ng  
 RT: 18.29 min Scan# 2856  
 Delta R.T. 0.02 min  
 Lab File: BF096191.D  
 Acq: 24 Jun 2017 15:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 28.6  | 22.6  | 33.8  |
| 229     | 20.7  | 16.3  | 24.5  |



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: 15.99 ng

RT: 18.29 min Scan# 2856

Delta R.T. -0.02 min

Lab File: BF096191.D

Acq: 24 Jun 2017 15:37

Instrument :

BNA\_F

ClientSampled :

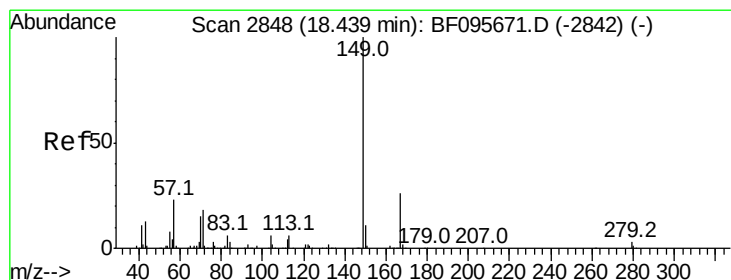
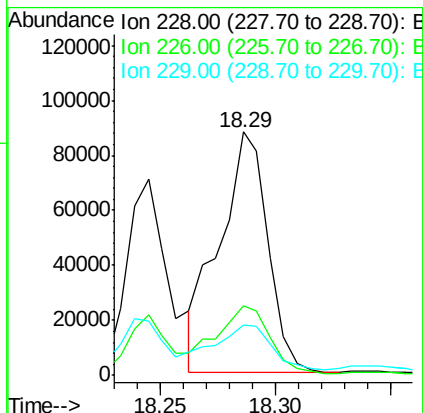
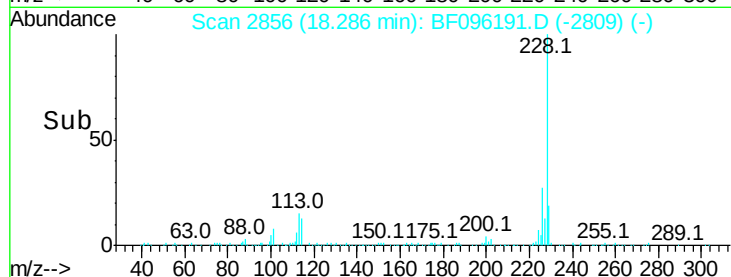
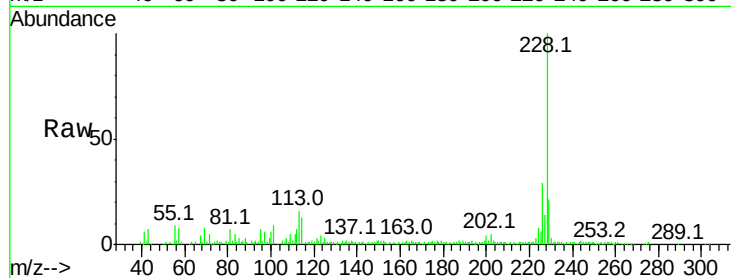
Tot Ion:228 Resp: 128487

Ion Ratio Lower Upper

228 100

226 28.6 24.9 37.3

229 20.7 15.8 23.6



#83

Bis(2-ethylhexyl)phthalate

Concen: 6.10 ng

RT: 18.33 min Scan# 2863

Delta R.T. -0.02 min

Lab File: BF096191.D

Acq: 24 Jun 2017 15:37

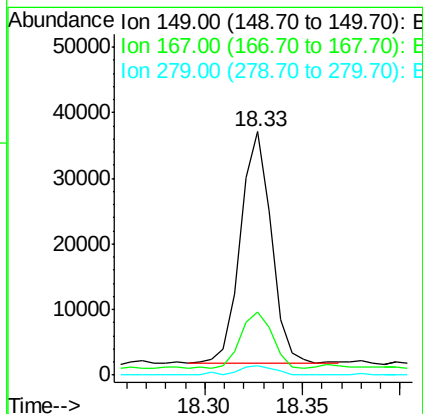
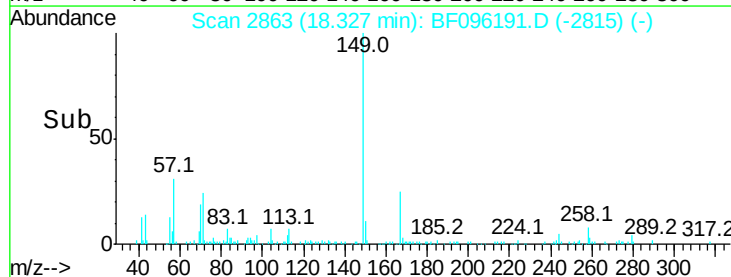
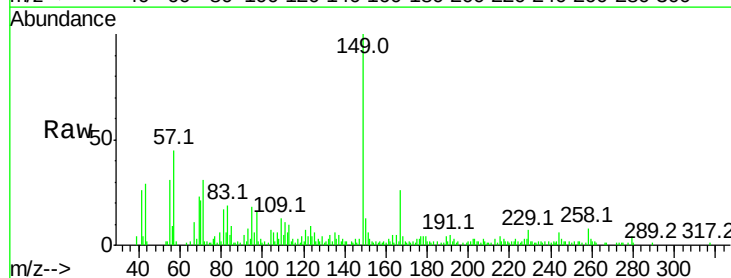
Tgt Ion:149 Resp: 38766

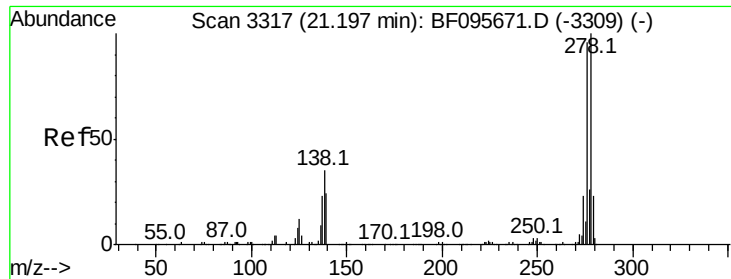
Ion Ratio Lower Upper

149 100

167 25.8 21.0 31.4

279 3.8 1.9 2.9#





#85

Indeno(1,2,3-cd)pyrene

Concen: 7.22 ng

RT: 21.10 min Scan# 3334

Delta R.T. 0.00 min

Lab File: BF096191.D

Acq: 24 Jun 2017 15:37

Instrument :

BNA\_F

ClientSampleId :

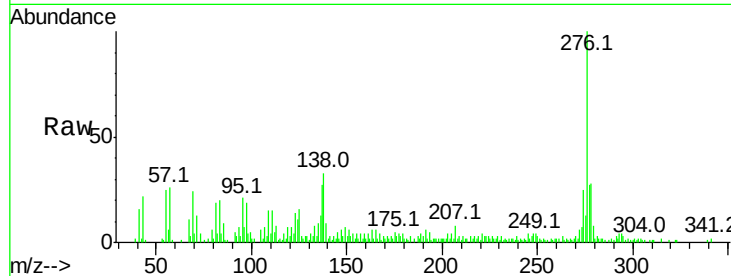
Tot Ion:276 Resp: 49638

Ion Ratio Lower Upper

276 100

138 28.9 27.8 41.6

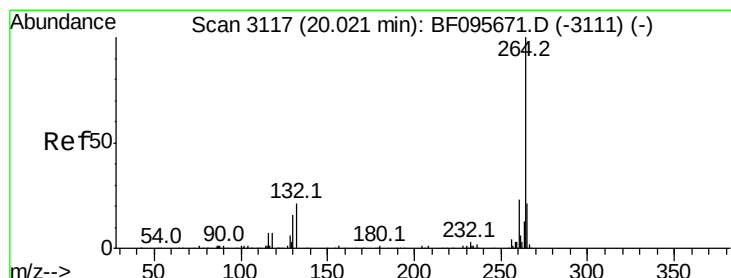
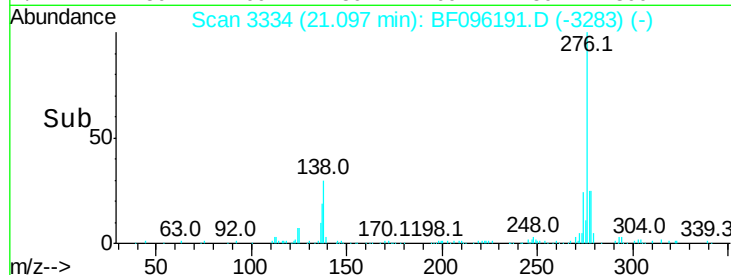
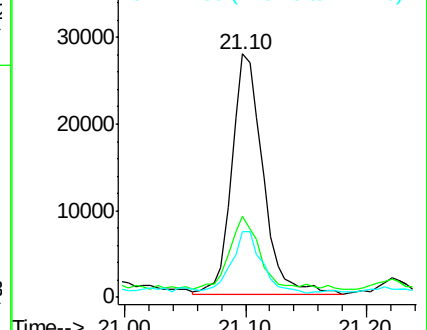
277 24.6 20.2 30.4



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: 20.00 ng

RT: 19.93 min Scan# 3136

Delta R.T. -0.01 min

Lab File: BF096191.D

Acq: 24 Jun 2017 15:37

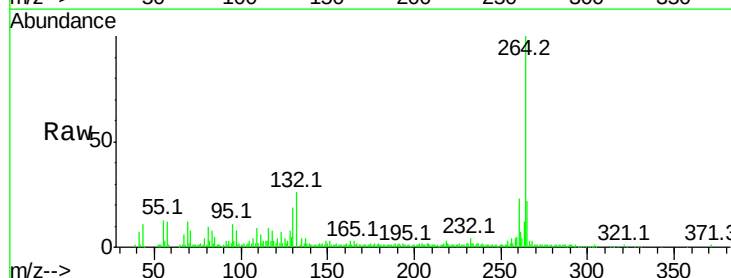
Tgt Ion:264 Resp: 103199

Ion Ratio Lower Upper

264 100

260 23.4 19.5 29.3

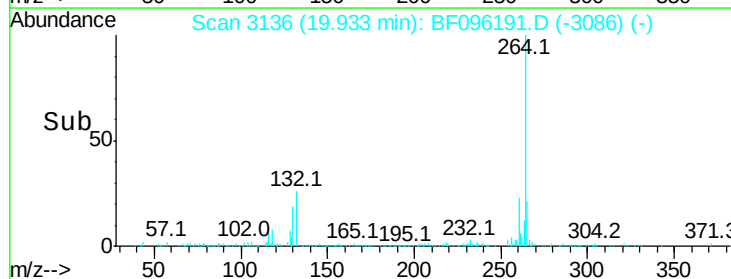
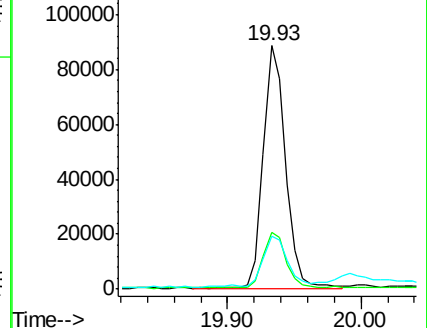
265 21.7 17.2 25.8



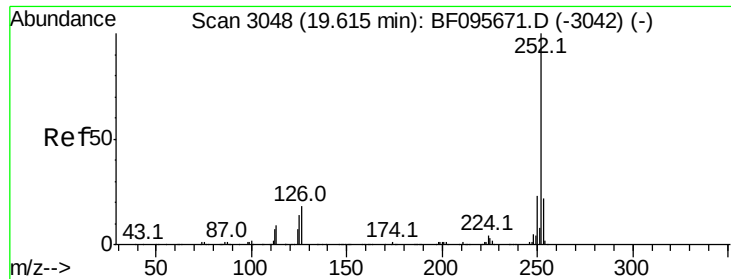
Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



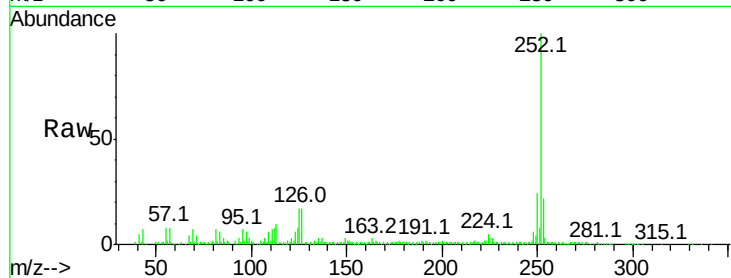




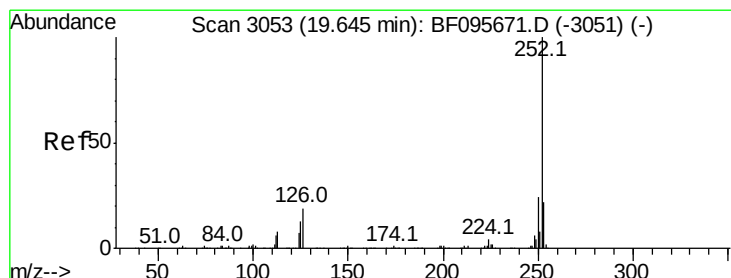
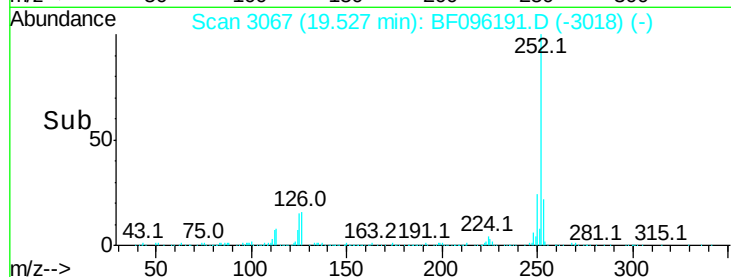
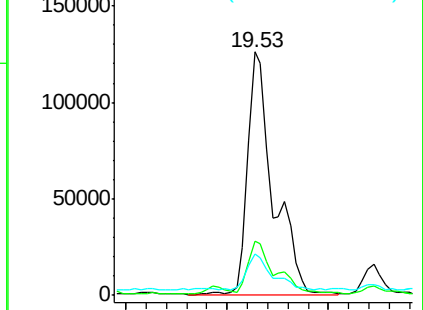
#87  
Benzo(b)fluoranthene  
Concen: 34.24 ng  
RT: 19.53 min Scan# 3067  
Delta R.T. -0.01 min  
Lab File: BF096191.D  
Acq: 24 Jun 2017 15:37

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.3  | 18.1  | 27.1  |
| 125     | 16.7  | 9.8   | 14.8  |

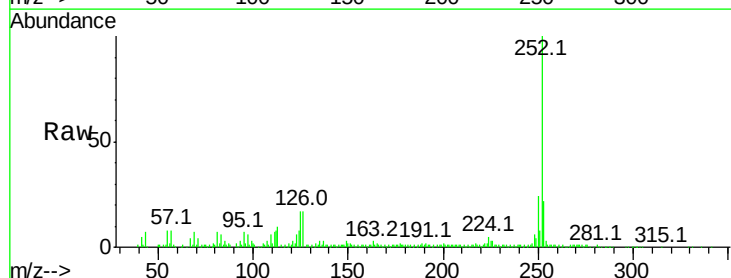


Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

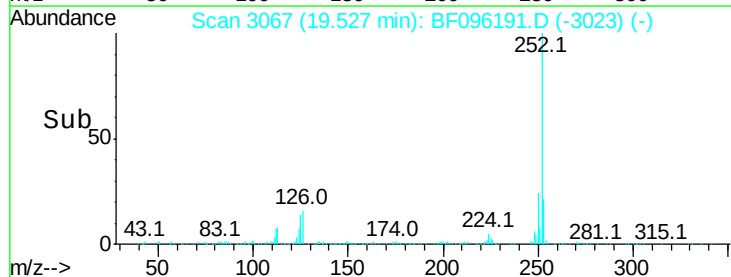
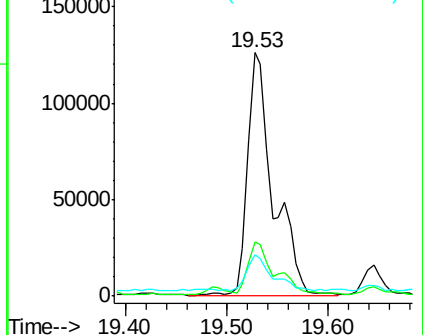


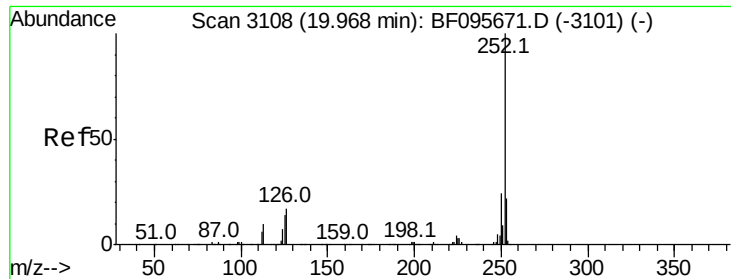
#88  
Benzo(k)fluoranthene  
Concen: 35.82 ng  
RT: 19.53 min Scan# 3067  
Delta R.T. -0.04 min  
Lab File: BF096191.D  
Acq: 24 Jun 2017 15:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.3  | 18.4  | 27.6  |
| 125     | 16.7  | 13.1  | 19.7  |



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

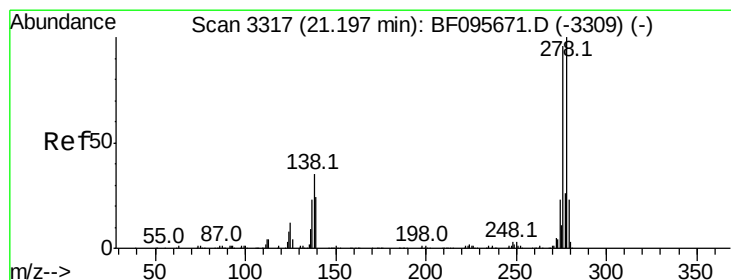
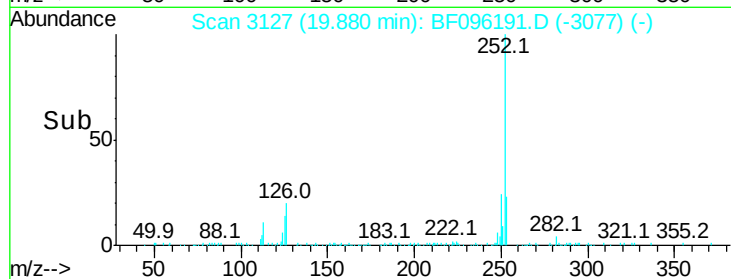
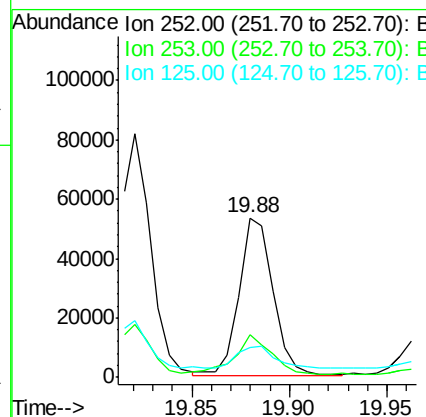
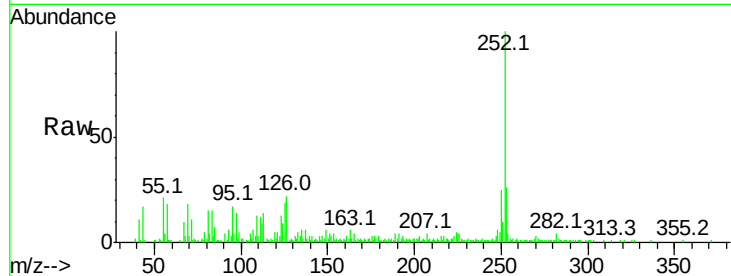




#89  
Benzo(a)pyrene  
Concen: 10.74 ng  
RT: 19.88 min Scan# 3127  
Delta R.T. -0.01 min  
Lab File: BF096191.D  
Acq: 24 Jun 2017 15:37

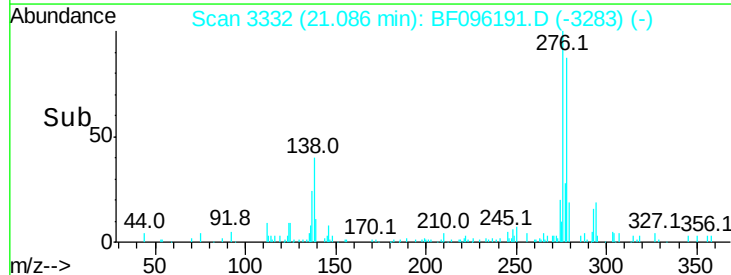
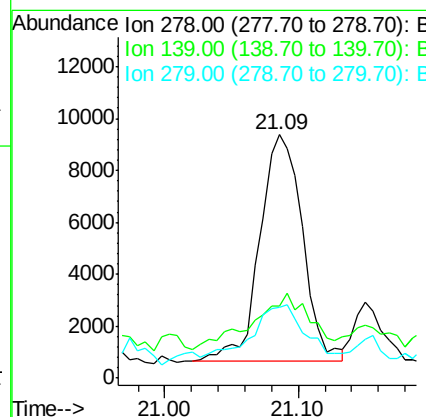
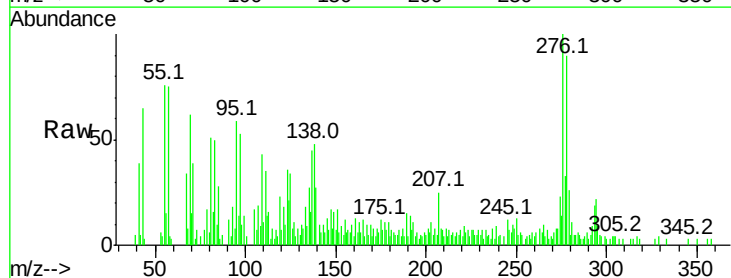
Instrument :  
BNA\_F  
ClientSampleId :

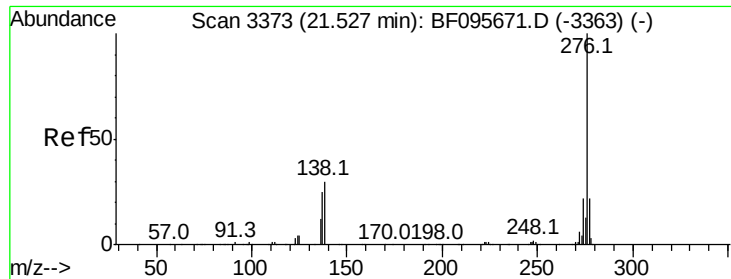
Tot Ion:252 Resp: 63816  
Ion Ratio Lower Upper  
252 100  
253 26.3 17.5 26.3#  
125 18.9 11.0 16.4#



#90  
Dibenzo(a,h)anthracene  
Concen: 3.82 ng  
RT: 21.09 min Scan# 3332  
Delta R.T. -0.01 min  
Lab File: BF096191.D  
Acq: 24 Jun 2017 15:37

Tgt Ion:278 Resp: 19230  
Ion Ratio Lower Upper  
278 100  
139 29.5 16.6 24.8#  
279 29.3 19.3 28.9#





#91  
 Benzo(a,h,i)perylene  
 Concen: 8.51 ng  
 RT: 21.43 min Scan# 3390  
 Delta R.T. 0.01 min  
 Lab File: BF096191.D  
 Acq: 24 Jun 2017 15:37

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion: 276 Resp: 43703  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 277 | 23.5  | 18.6  | 28.0  |
| 138 | 34.1  | 25.4  | 38.0  |

