

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081318\  
 Data File : BF108119.D  
 Acq On : 13 Aug 2018 16:38  
 Operator : JU/SJ  
 Sample : J4272-17RE 5X  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Aug 13 17:12:52 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 08 12:24:24 2018  
 Response via : Initial Calibration

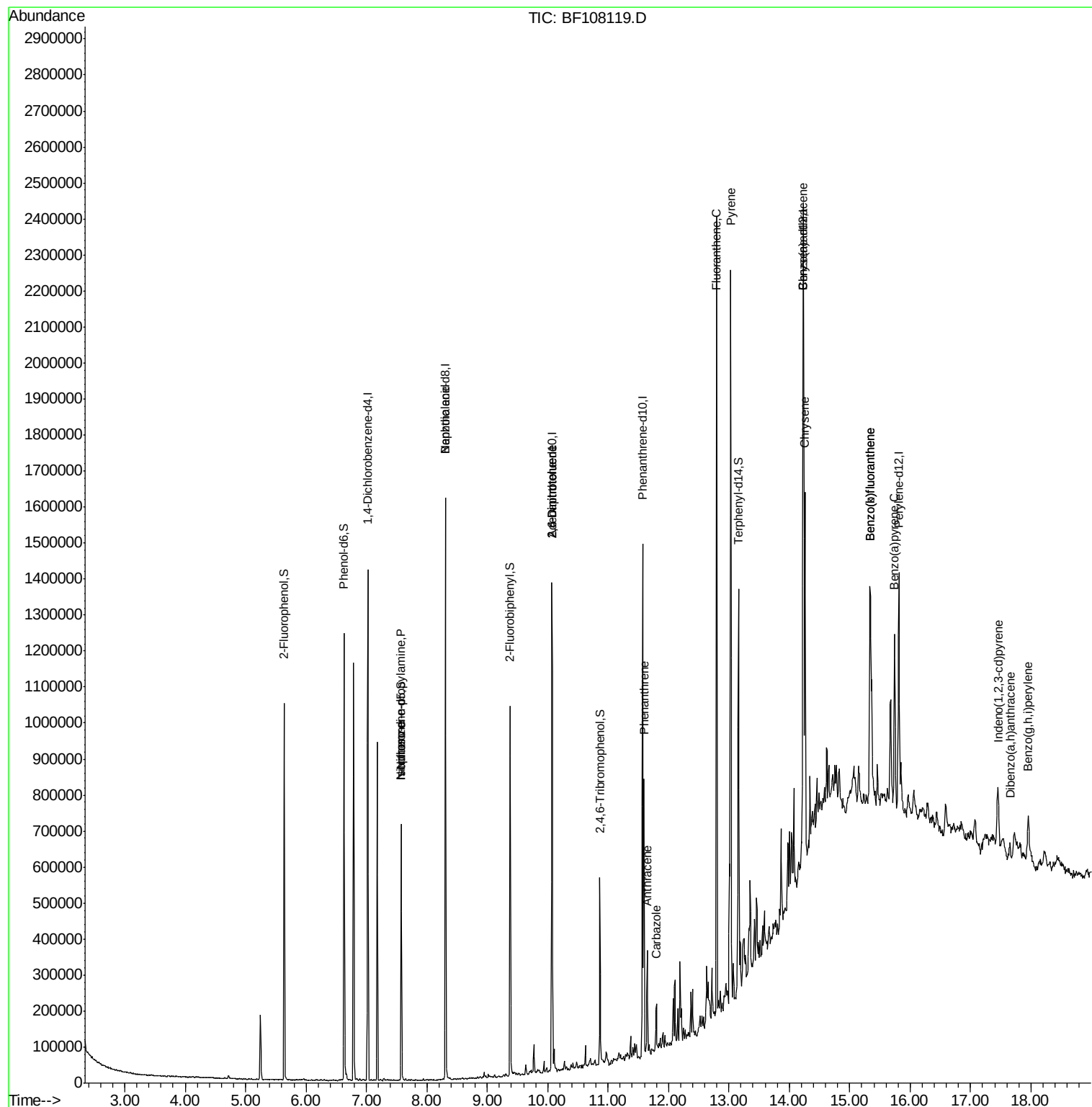
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min)    |
|--------------------------------|-------|------|----------|--------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4      | 7.02  | 152  | 183054   | 20.00  | ng    | 0.01        |
| 21) Naphthalene-d8             | 8.31  | 136  | 623259   | 20.00  | ng    | 0.00        |
| 38) Acenaphthene-d10           | 10.07 | 164  | 257446   | 20.00  | ng    | 0.00        |
| 63) Phenanthrene-d10           | 11.57 | 188  | 495350   | 20.00  | ng    | 0.01        |
| 75) Chrysene-d12               | 14.24 | 240  | 481030   | 20.00  | ng    | 0.02        |
| 86) Perylene-d12               | 15.81 | 264  | 318245   | 20.00  | ng    | 0.04        |
| System Monitoring Compounds    |       |      |          |        |       |             |
| 5) 2-Fluorophenol              | 5.64  | 112  | 249993   | 24.72  | ng    | 0.00        |
| 7) Phenol-d6                   | 6.63  | 99   | 329121   | 24.50  | ng    | 0.00        |
| 23) Nitrobenzene-d5            | 7.58  | 82   | 186235   | 16.67  | ng    | 0.00        |
| 41) 2,4,6-Tribromophenol       | 10.87 | 330  | 55541    | 21.63  | ng    | 0.00        |
| 44) 2-Fluorobiphenyl           | 9.38  | 172  | 315202   | 19.66  | ng    | 0.00        |
| 78) Terphenyl-d14              | 13.16 | 244  | 353297   | 18.67  | ng    | 0.01        |
| Target Compounds               |       |      |          |        |       |             |
| 19) n-Nitroso-di-n-propylamine | 7.58  | 70   | 25172    | 2.770  | ng    | Qvalue # 85 |
| 25) Isophorone                 | 7.58  | 82   | 186233   | 8.748  | ng    | # 64        |
| 32) Benzoic acid               | 8.31  | 122  | 140      | 5.997  | ng    | # 1         |
| 50) 2,6-Dinitrotoluene         | 10.07 | 165  | 33325    | 8.882  | ng    | # 25        |
| 56) 2,4-Dinitrotoluene         | 10.07 | 165  | 33325    | 6.900  | ng    | # 23        |
| 70) Phenanthrene               | 11.59 | 178  | 265429   | 11.361 | ng    | 99          |
| 71) Anthracene                 | 11.65 | 178  | 99881    | 4.171  | ng    | 99          |
| 72) Carbazole                  | 11.80 | 167  | 45133    | 2.121  | ng    | 96          |
| 74) Fluoranthene               | 12.79 | 202  | 919086   | 36.044 | ng    | 97          |
| 77) Pyrene                     | 13.03 | 202  | 792263   | 26.015 | ng    | 99          |
| 80) Benzo(a)anthracene         | 14.22 | 228  | 489553   | 17.733 | ng    | 98          |
| 82) Chrysene                   | 14.26 | 228  | 366896   | 14.497 | ng    | 96          |
| 85) Indeno(1,2,3-cd)pyrene     | 17.45 | 276  | 126264   | 5.758  | ng    | # 87        |
| 87) Benzo(b)fluoranthene       | 15.34 | 252  | 498809   | 26.230 | ng    | 96          |
| 88) Benzo(k)fluoranthene       | 15.34 | 252  | 498809   | 28.535 | ng    | 96          |
| 89) Benzo(a)pyrene             | 15.74 | 252  | 245302   | 14.405 | ng    | 95          |
| 90) Dibenzo(a,h)anthracene     | 17.66 | 278  | 29713    | 2.109  | ng    | 94          |
| 91) Benzo(g,h,i)perylene       | 17.95 | 276  | 112598   | 8.116  | ng    | # 89        |

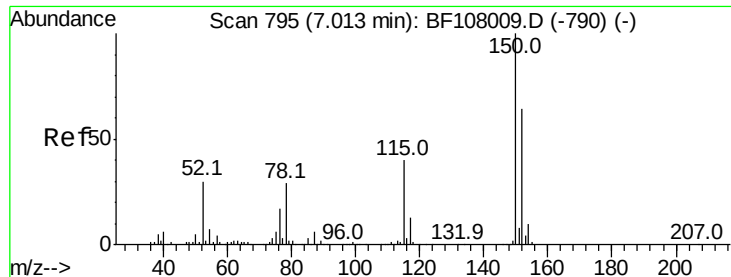
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081318\  
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Sample : J4272-17RE 5X  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampled :

Quant Time: Aug 13 17:12:52 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 08 12:24:24 2018  
Response via : Initial Calibration



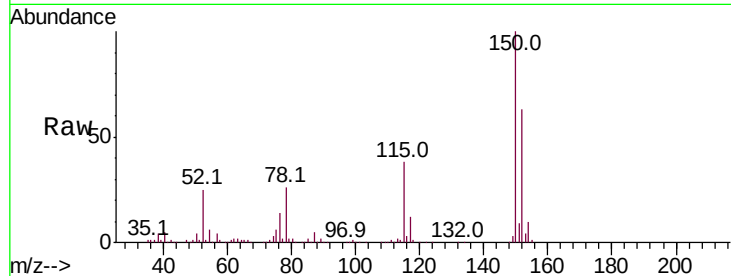


#1

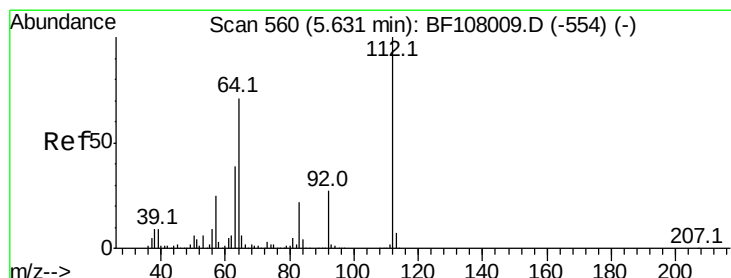
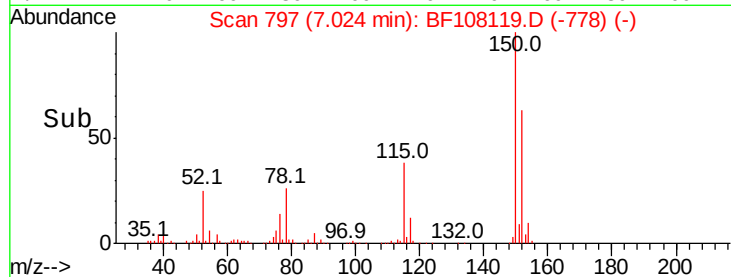
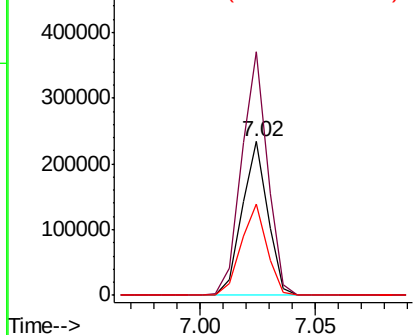
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.02 min Scan# 797  
Delta R.T. 0.01 min  
Lab File: BF108119.D  
Acq: 13 Aug 2018 16:38

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:152 Resp: 183054  
Ion Ratio Lower Upper  
152 100  
150 158.4 124.6 186.8  
115 59.5 50.1 75.1



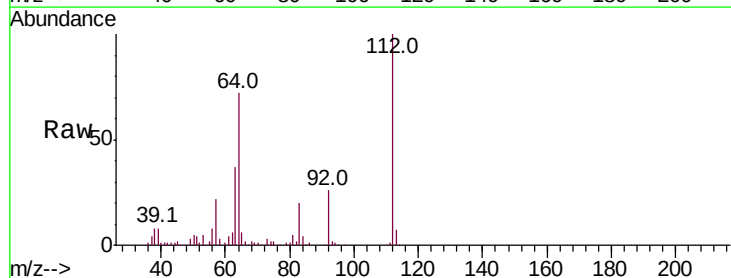
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



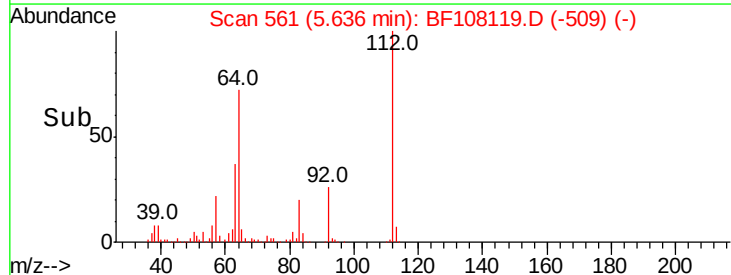
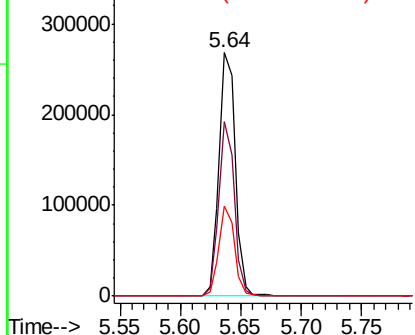
#5

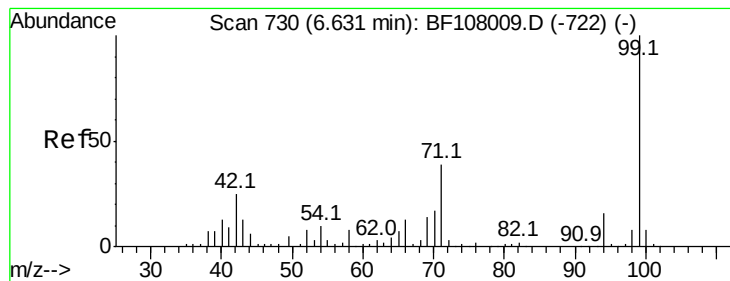
2-Fluorophenol  
Concen: 24.725 ng  
RT: 5.64 min Scan# 561  
Delta R.T. 0.01 min  
Lab File: BF108119.D  
Acq: 13 Aug 2018 16:38

Tgt Ion:112 Resp: 249993  
Ion Ratio Lower Upper  
112 100  
64 71.6 47.9 71.9  
63 36.8 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: 24.495 ng

RT: 6.63 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF108119.D

Acq: 13 Aug 2018 16:38

Instrument :

BNA\_F

ClientSampled :

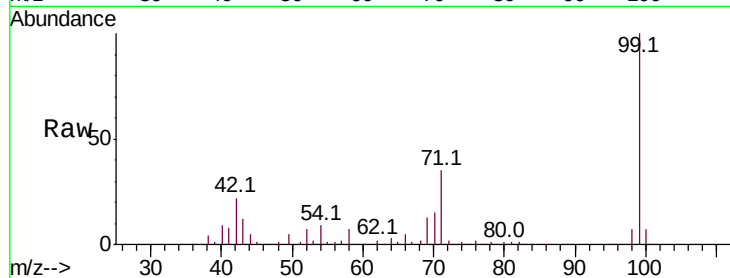
Tot Ion: 99 Resp: 329121

Ion Ratio Lower Upper

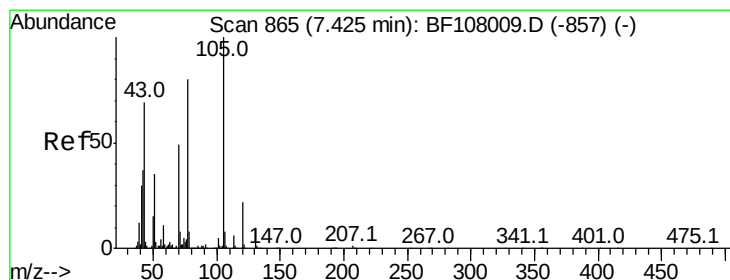
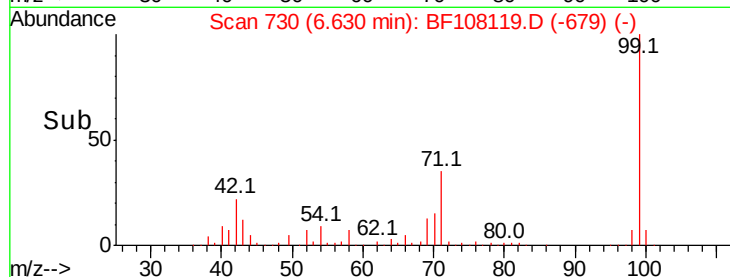
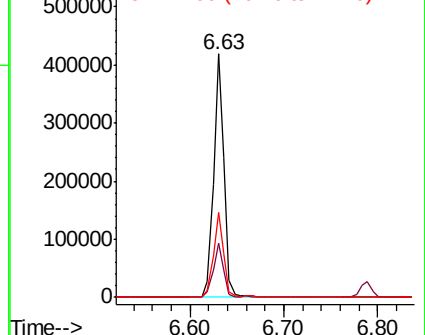
99 100

42 22.2 14.5 21.7#

71 34.6 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: 2.770 ng

RT: 7.58 min Scan# 891

Delta R.T. 0.15 min

Lab File: BF108119.D

Acq: 13 Aug 2018 16:38

Tgt Ion: 70 Resp: 25172

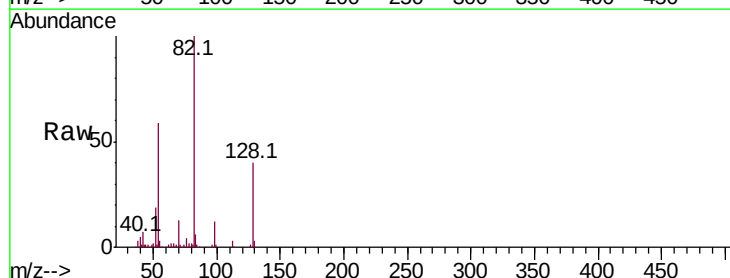
Ion Ratio Lower Upper

70 100

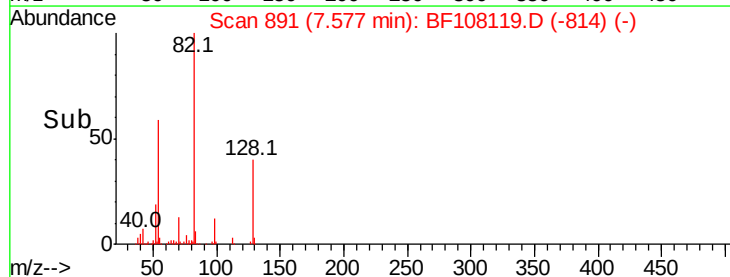
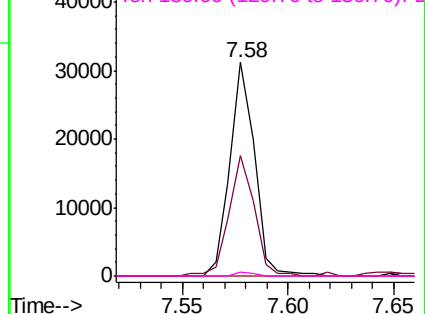
42 56.2 47.5 71.3

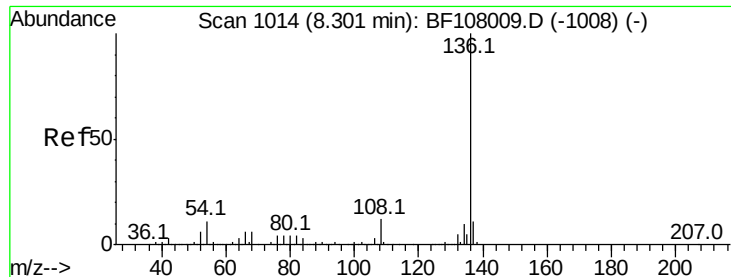
101 0.0 7.4 11.2#

130 2.1 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

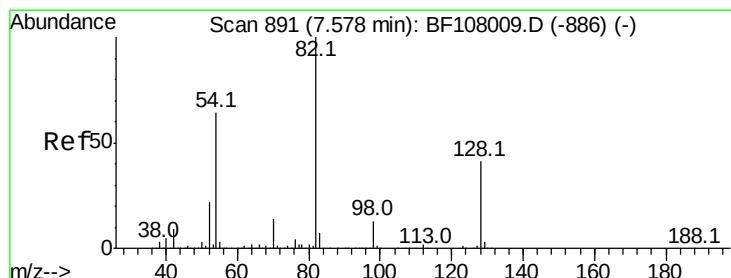
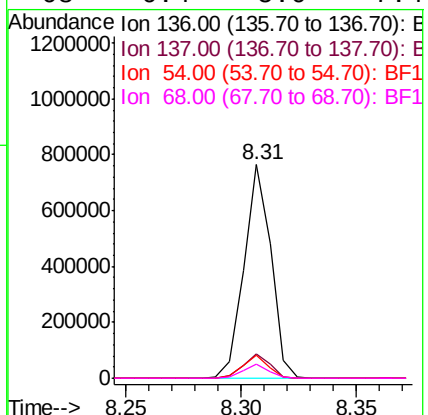
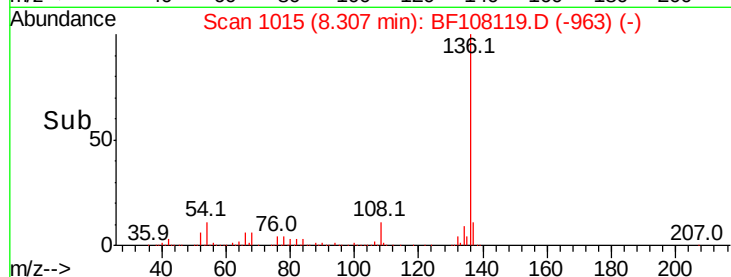
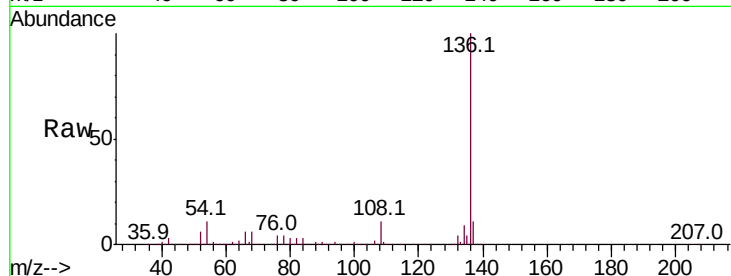




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.31 min Scan# 1015  
Delta R.T. 0.01 min  
Lab File: BF108119.D  
Acq: 13 Aug 2018 16:38

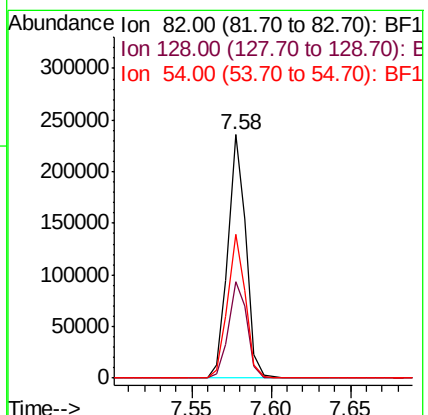
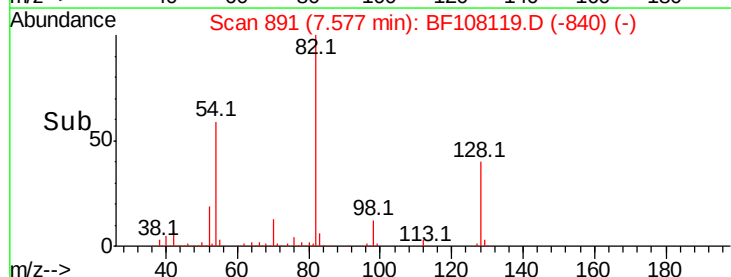
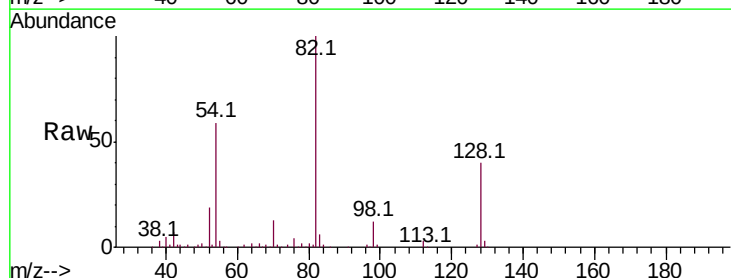
Instrument :  
BNA\_F  
ClientSampled :

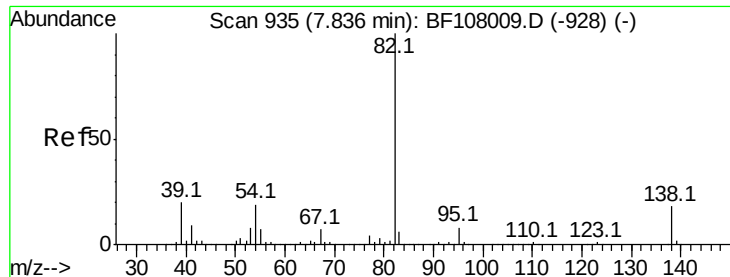
|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 623259   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 11.3  | 8.9 13.3 |
| 54          | 10.8  | 6.6 9.8# |
| 68          | 6.4   | 5.0 7.4  |



#23  
Nitrobenzene-d5  
Concen: 16.674 ng  
RT: 7.58 min Scan# 891  
Delta R.T. -0.00 min  
Lab File: BF108119.D  
Acq: 13 Aug 2018 16:38

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 82 | Resp: | 186235    |
| Ion Ratio   | Lower | Upper     |
| 82          | 100   |           |
| 128         | 39.8  | 36.1 54.1 |
| 54          | 59.2  | 41.4 62.2 |





#25

Isophorone

Concen: 8.748 ng

RT: 7.58 min Scan# 891

Delta R.T. -0.26 min

Lab File: BF108119.D

Acq: 13 Aug 2018 16:38

Instrument :

BNA\_F

ClientSampleId :

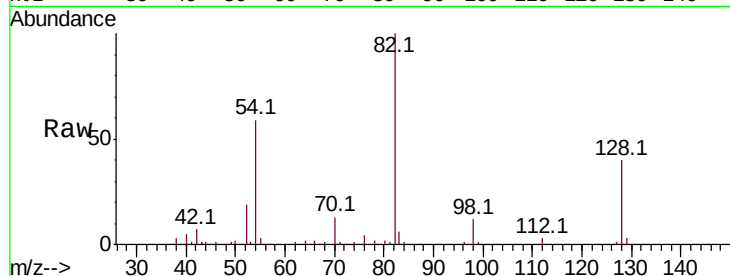
Tot Ion: 82 Resp: 186233

Ion Ratio Lower Upper

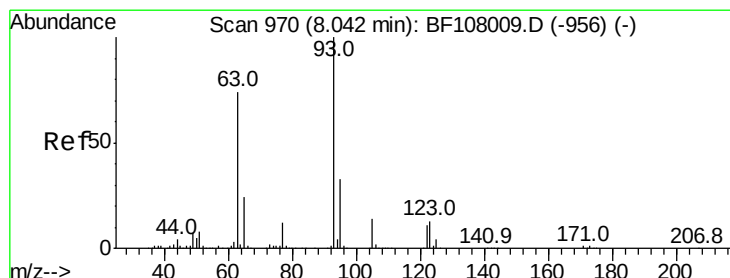
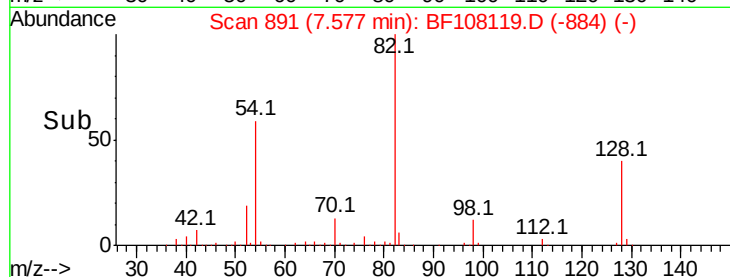
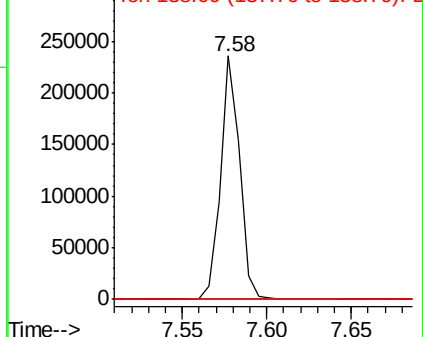
82 100

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



#32

Benzoic acid

Concen: 5.997 ng

RT: 8.31 min Scan# 1015

Delta R.T. 0.26 min

Lab File: BF108119.D

Acq: 13 Aug 2018 16:38

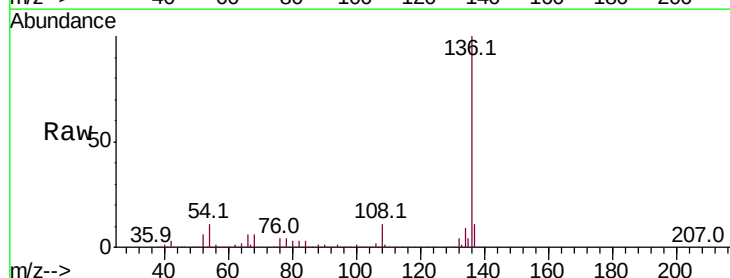
Tgt Ion: 122 Resp: 140

Ion Ratio Lower Upper

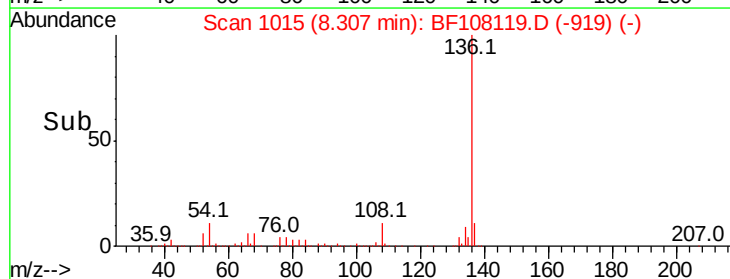
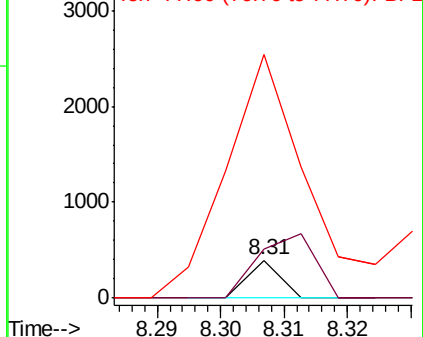
122 100

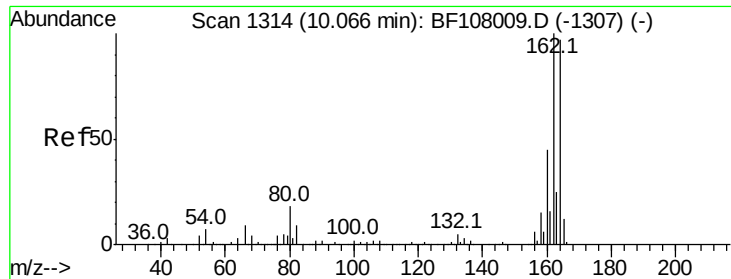
105 130.3 101.1 141.1

77 641.4 70.7 110.7#



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): BF1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.07 min Scan# 1315

Delta R.T. 0.01 min

Lab File: BF108119.D

Acq: 13 Aug 2018 16:38

Instrument :

BNA\_F

ClientSampleId :

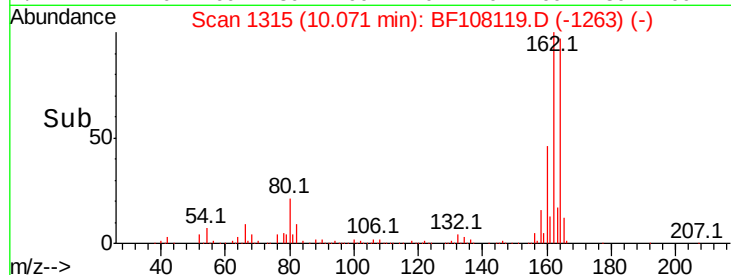
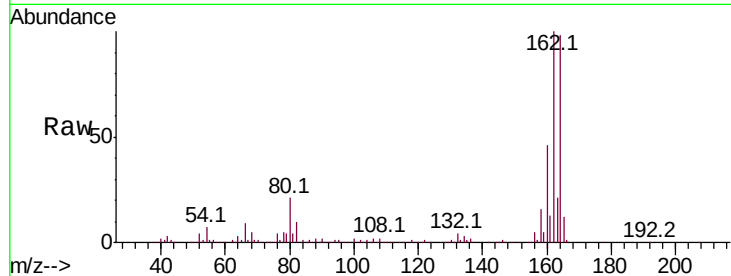
Tot Ion:164 Resp: 257446

Ion Ratio Lower Upper

164 100

162 102.1 86.1 129.1

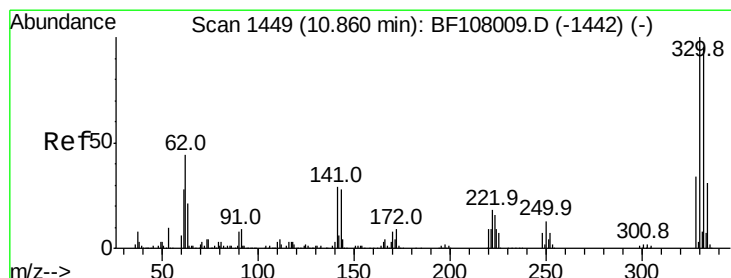
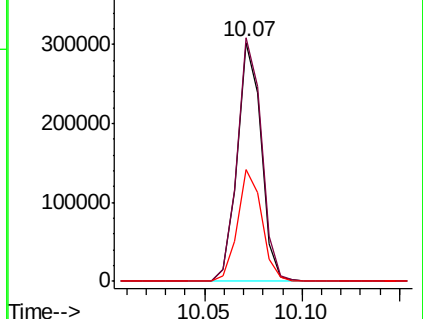
160 47.0 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 21.628 ng

RT: 10.87 min Scan# 1450

Delta R.T. 0.01 min

Lab File: BF108119.D

Acq: 13 Aug 2018 16:38

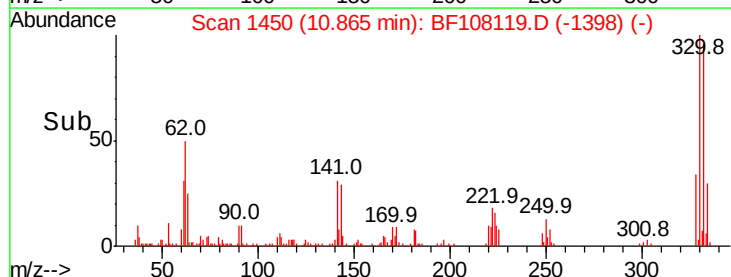
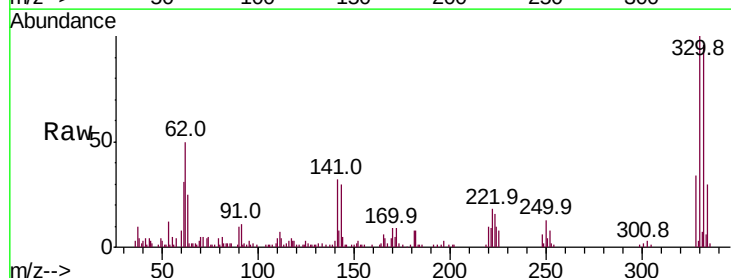
Tgt Ion:330 Resp: 55541

Ion Ratio Lower Upper

330 100

332 97.2 77.0 115.6

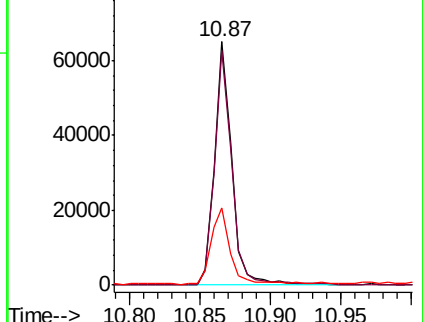
141 35.0 29.9 44.9

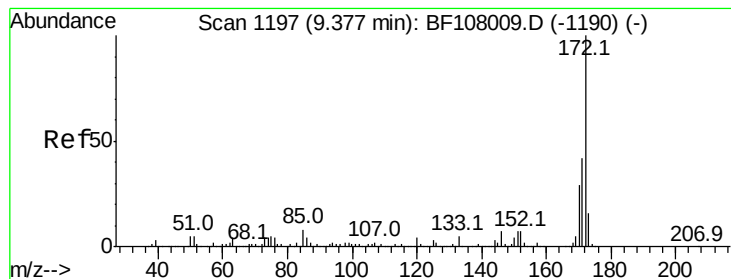


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 19.656 ng

RT: 9.38 min Scan# 1197

Delta R.T. -0.00 min

Lab File: BF108119.D

Acq: 13 Aug 2018 16:38

Instrument :

BNA\_F

ClientSampleId :

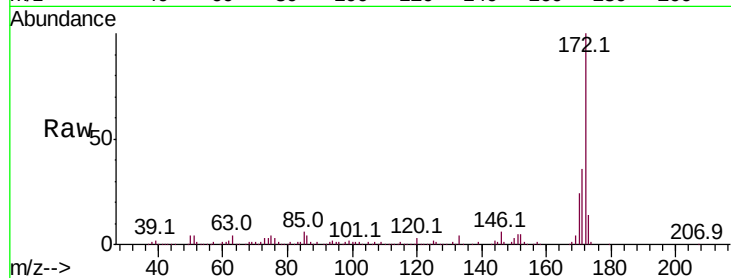
Tot Ion:172 Resp: 315202

Ion Ratio Lower Upper

172 100

171 35.9 29.7 44.5

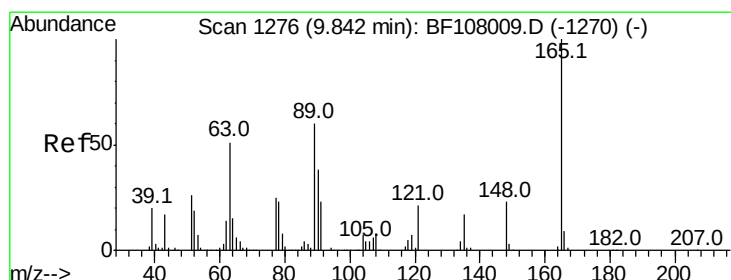
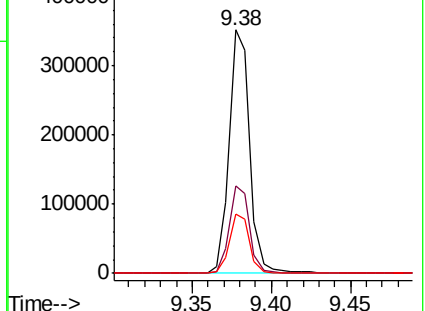
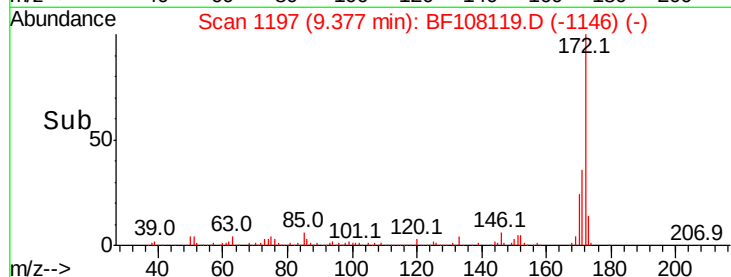
170 24.2 19.6 29.4



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



#50

2,6-Dinitrotoluene

Concen: 8.882 ng

RT: 10.07 min Scan# 1315

Delta R.T. 0.23 min

Lab File: BF108119.D

Acq: 13 Aug 2018 16:38

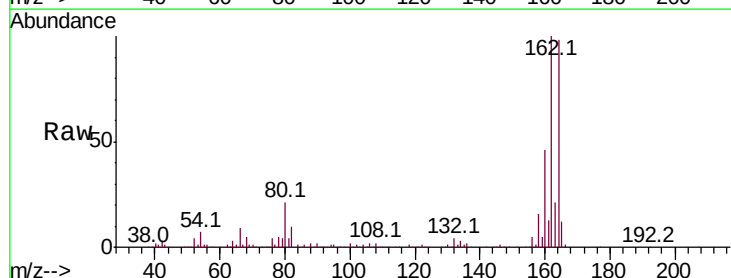
Tgt Ion:165 Resp: 33325

Ion Ratio Lower Upper

165 100

63 1.4 44.7 67.1#

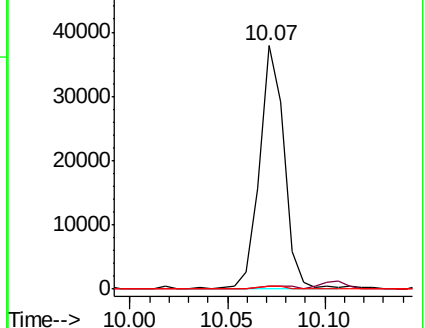
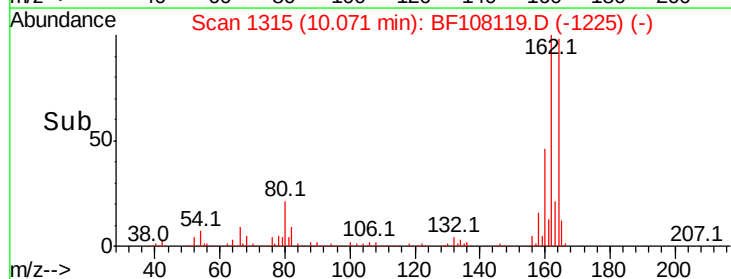
89 1.2 44.0 66.0#



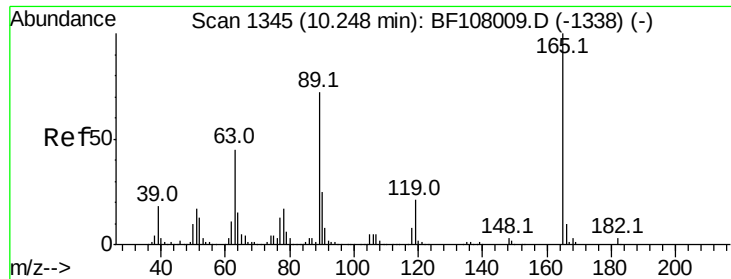
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



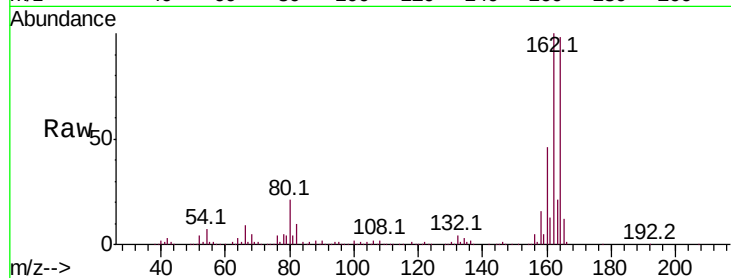




#56  
 2,4-Dinitrotoluene  
 Concen: 6.900 ng  
 RT: 10.07 min Scan# 1315  
 Delta R.T. -0.18 min  
 Lab File: BF108119.D  
 Acq: 13 Aug 2018 16:38

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.4   | 36.4  | 54.6# |
| 89      | 1.2   | 57.8  | 86.6# |
| 182     | 0.0   | 1.6   | 2.4#  |



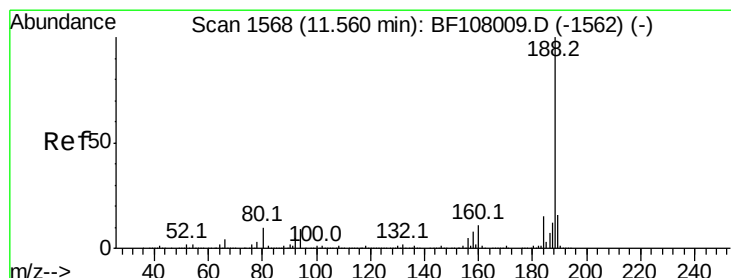
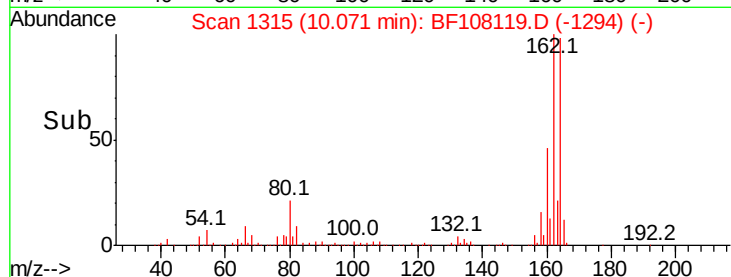
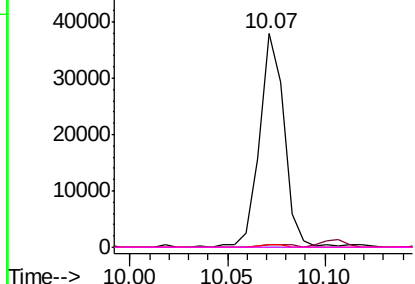
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

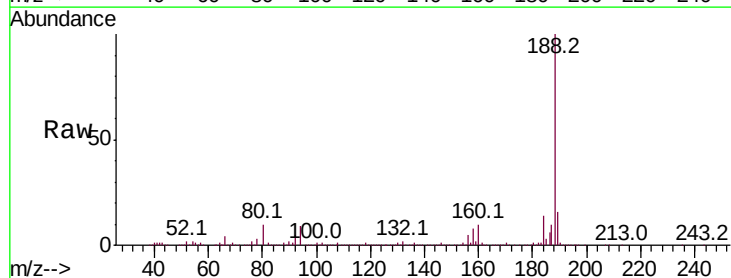
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.57 min Scan# 1570  
 Delta R.T. 0.01 min  
 Lab File: BF108119.D  
 Acq: 13 Aug 2018 16:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 8.7   | 8.5   | 12.7  |
| 80      | 10.0  | 9.2   | 13.8  |

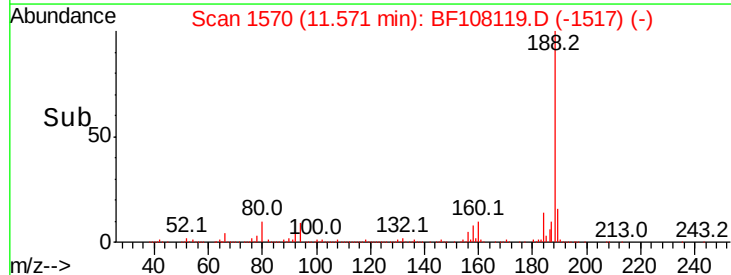
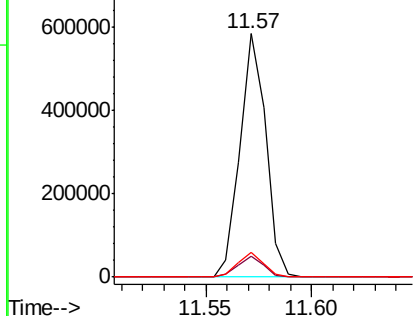


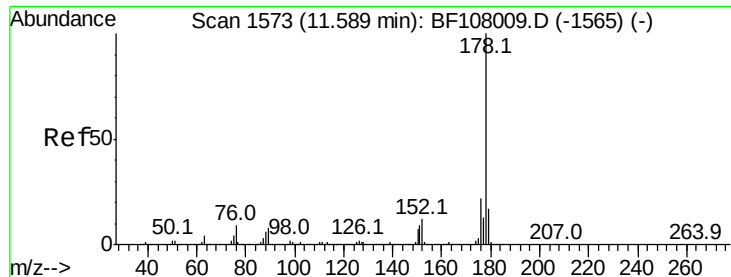
Abundance

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

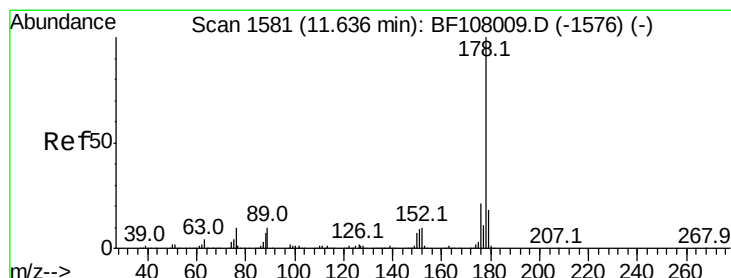
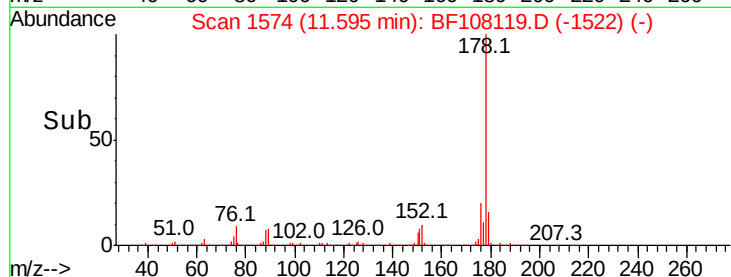
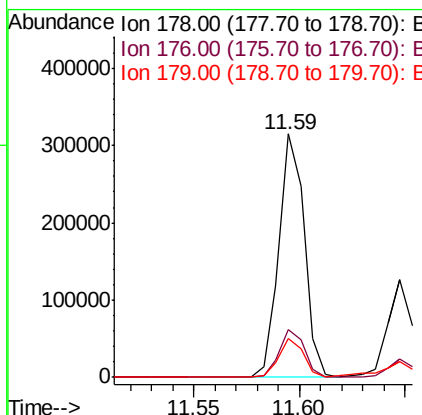
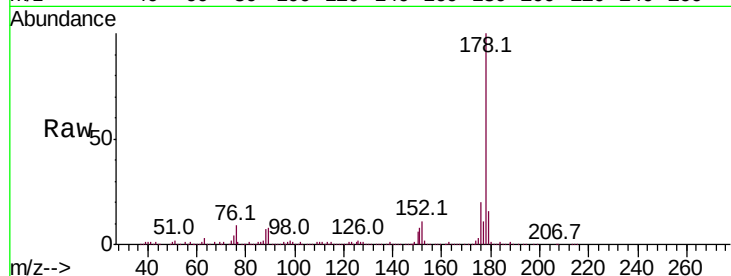




#70  
Phenanthrene  
Concen: 11.361 ng  
RT: 11.59 min Scan# 1574  
Delta R.T. 0.01 min  
Lab File: BF108119.D  
Acq: 13 Aug 2018 16:38

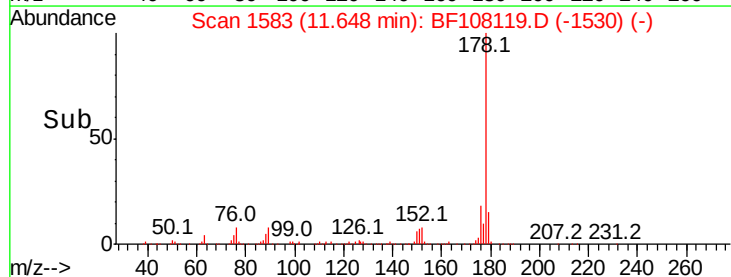
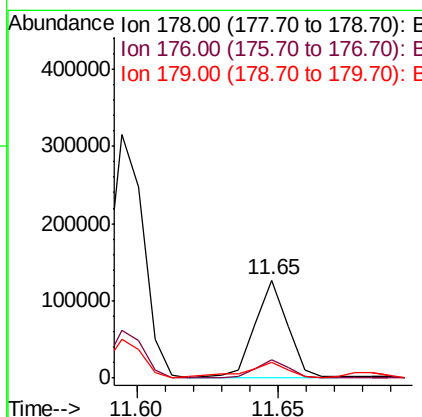
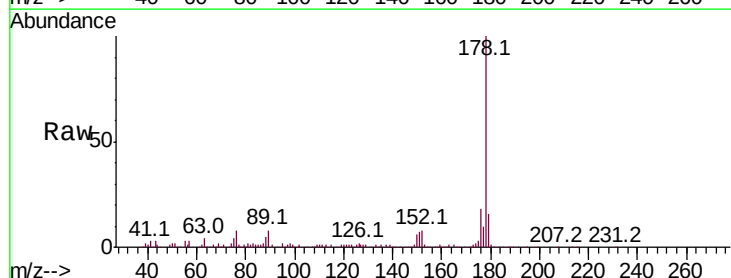
Instrument :  
BNA\_F  
ClientSampleId :

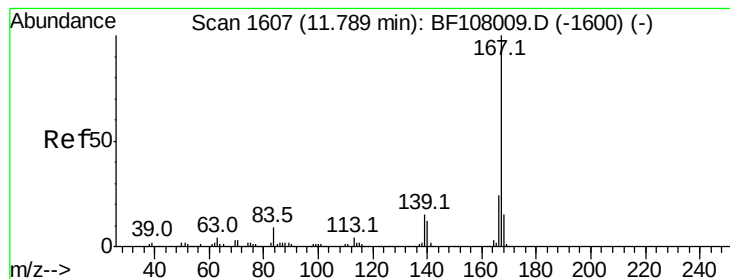
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.5  | 15.8  | 23.8  |
| 179     | 15.9  | 13.0  | 19.6  |



#71  
Anthracene  
Concen: 4.171 ng  
RT: 11.65 min Scan# 1583  
Delta R.T. 0.01 min  
Lab File: BF108119.D  
Acq: 13 Aug 2018 16:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.3  | 15.4  | 23.2  |
| 179     | 15.6  | 12.6  | 19.0  |





#72

Carbazole

Concen: 2.121 ng

RT: 11.80 min Scan# 1609

Delta R.T. 0.01 min

Lab File: BF108119.D

Acq: 13 Aug 2018 16:38

Instrument :

BNA\_F

ClientSampleId :

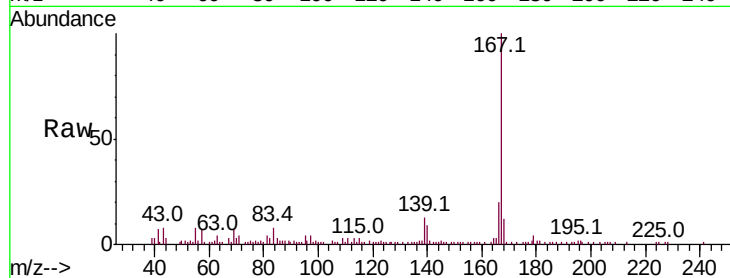
Tot Ion:167 Resp: 45133

Ion Ratio Lower Upper

167 100

166 19.6 17.6 26.4

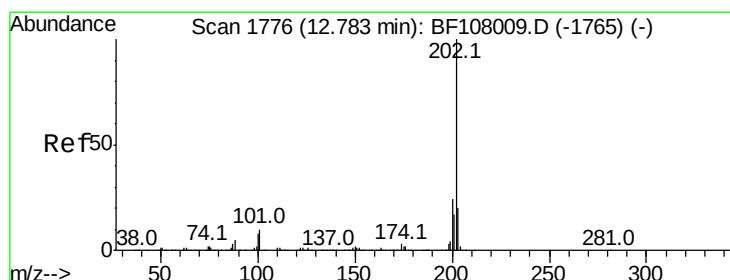
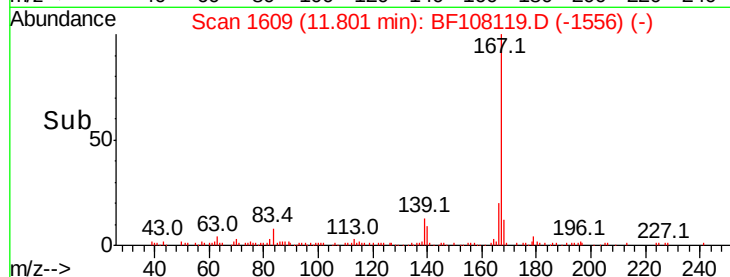
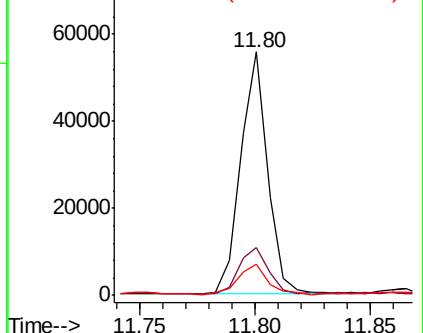
139 12.7 10.9 16.3



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 36.044 ng

RT: 12.79 min Scan# 1778

Delta R.T. 0.01 min

Lab File: BF108119.D

Acq: 13 Aug 2018 16:38

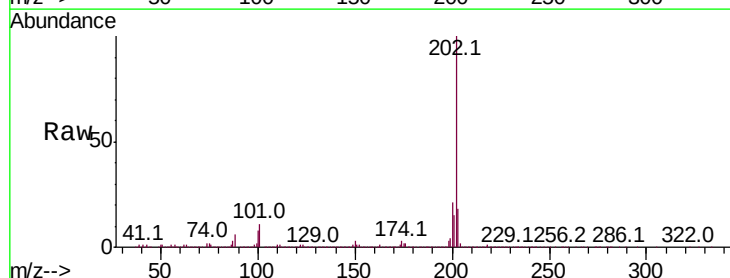
Tgt Ion:202 Resp: 919086

Ion Ratio Lower Upper

202 100

101 11.0 0.0 34.1

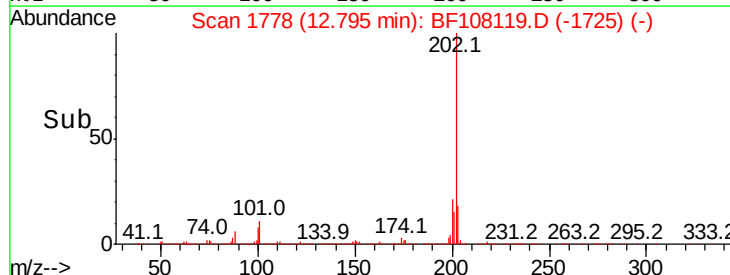
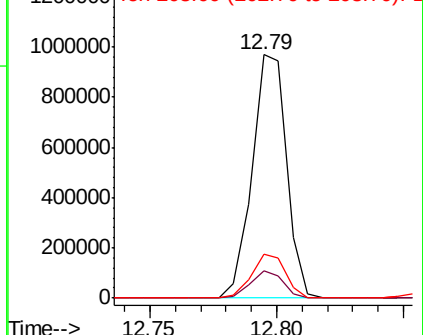
203 18.1 0.0 38.1

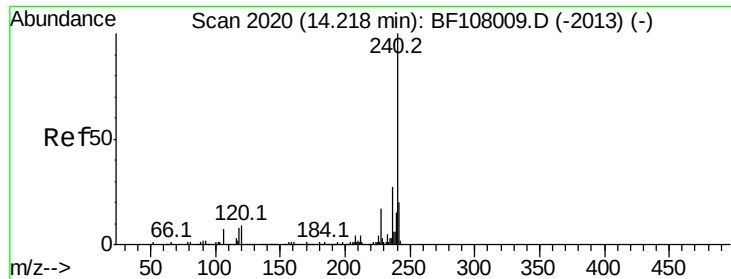


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.24 min Scan# 2023

Delta R.T. 0.02 min

Lab File: BF108119.D

Acq: 13 Aug 2018 16:38

Instrument :

BNA\_F

ClientSampleId :

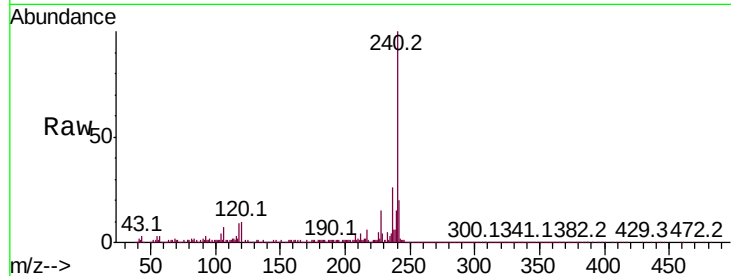
Tot Ion:240 Resp: 481030

Ion Ratio Lower Upper

240 100

120 9.9 9.5 14.3

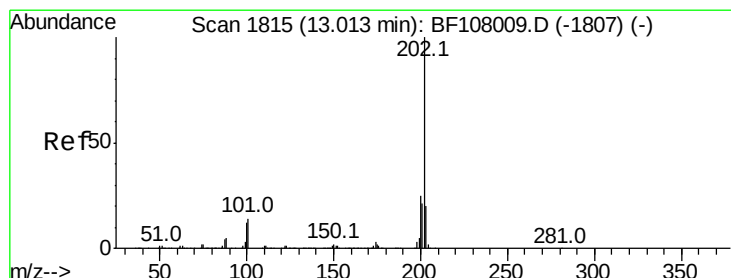
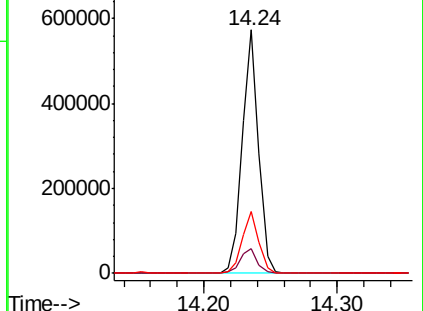
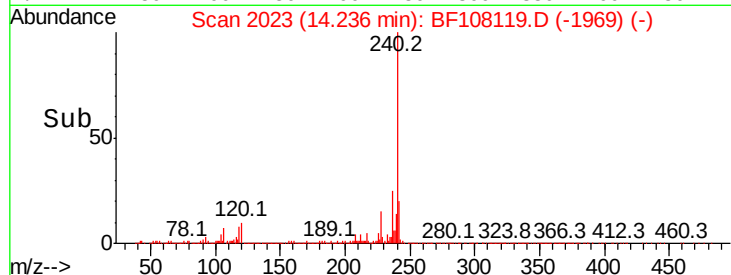
236 25.6 20.7 31.1



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: 26.015 ng

RT: 13.03 min Scan# 1818

Delta R.T. 0.02 min

Lab File: BF108119.D

Acq: 13 Aug 2018 16:38

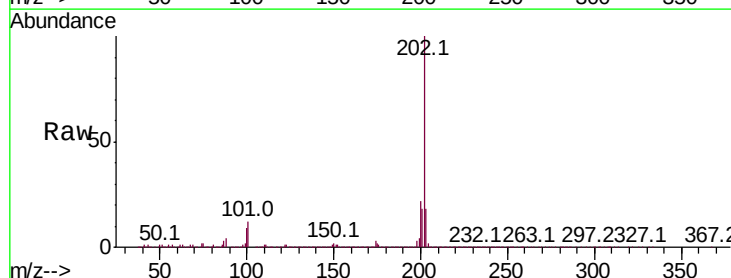
Tgt Ion:202 Resp: 792263

Ion Ratio Lower Upper

202 100

200 22.0 17.4 26.2

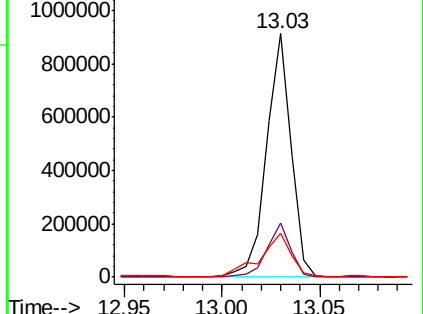
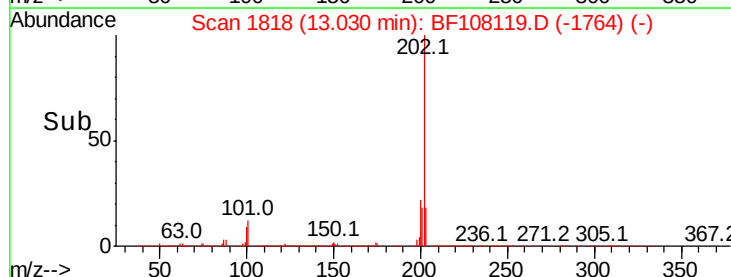
203 18.2 14.3 21.5

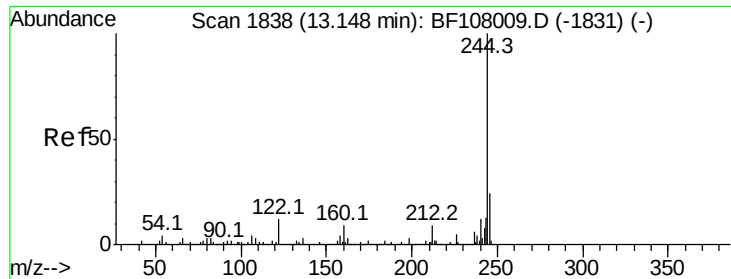


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 18.674 ng

RT: 13.16 min Scan# 1840

Delta R.T. 0.01 min

Lab File: BF108119.D

Acq: 13 Aug 2018 16:38

Instrument :

BNA\_F

ClientSampled :

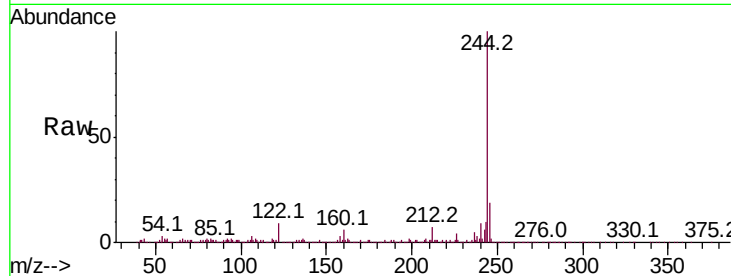
Tot Ion:244 Resp: 353297

Ion Ratio Lower Upper

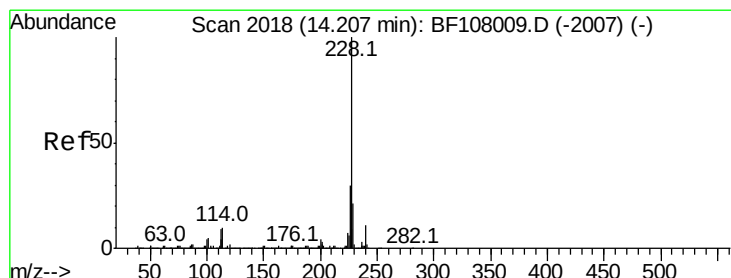
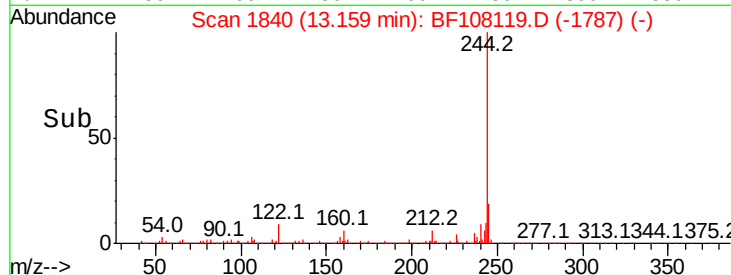
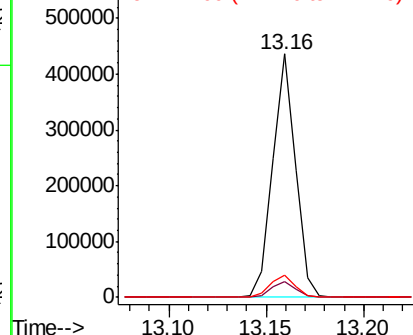
244 100

212 6.5 5.4 8.0

122 9.3 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: 17.733 ng

RT: 14.22 min Scan# 2021

Delta R.T. 0.02 min

Lab File: BF108119.D

Acq: 13 Aug 2018 16:38

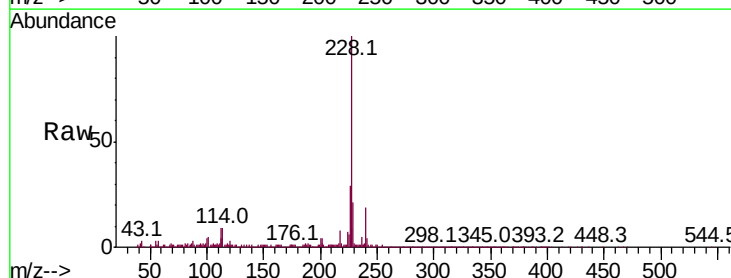
Tgt Ion:228 Resp: 489553

Ion Ratio Lower Upper

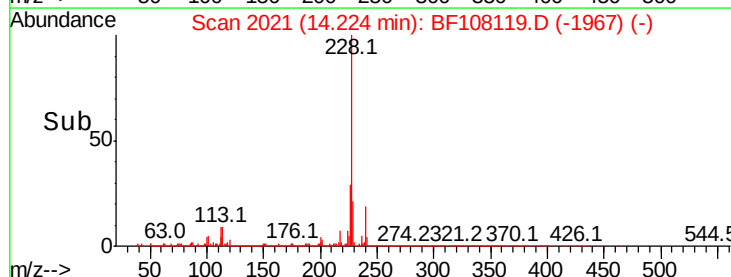
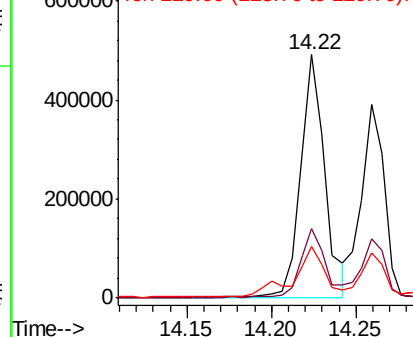
228 100

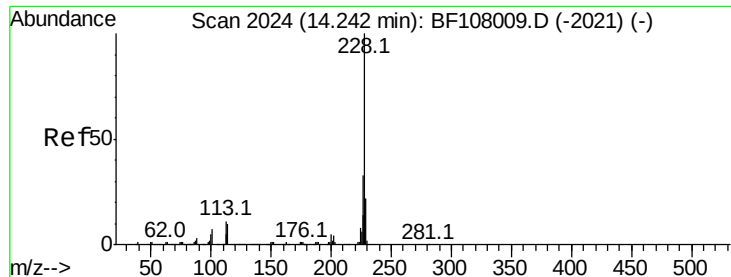
226 28.7 22.6 33.8

229 21.2 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: 14.497 ng

RT: 14.26 min Scan# 2027

Delta R.T. 0.02 min

Lab File: BF108119.D

Acq: 13 Aug 2018 16:38

Instrument :

BNA\_F

ClientSampleId :

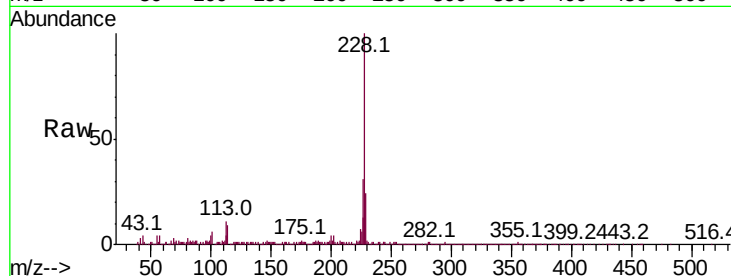
Tot Ion:228 Resp: 366896

Ion Ratio Lower Upper

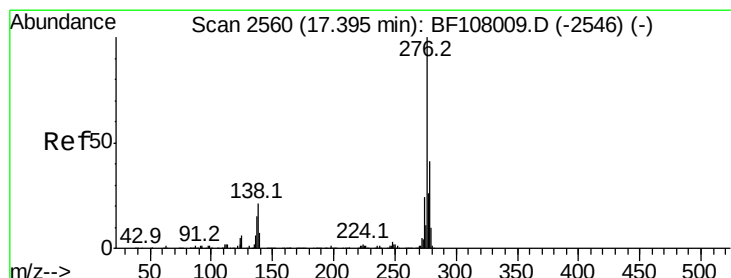
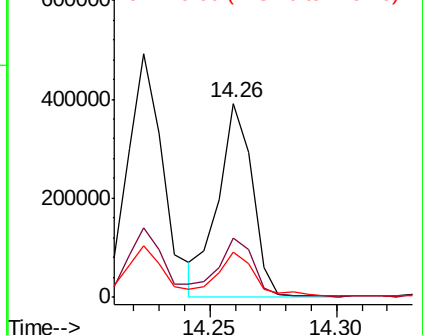
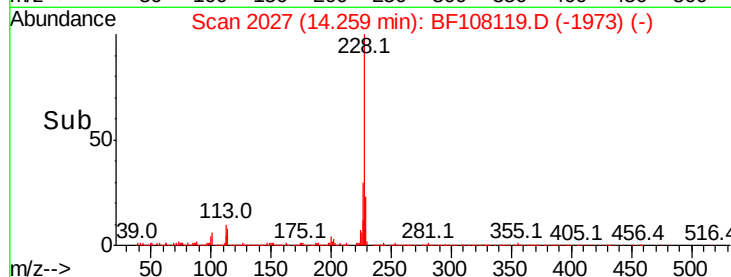
228 100

226 30.5 25.0 37.6

229 23.6 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: 5.758 ng

RT: 17.45 min Scan# 2570

Delta R.T. 0.06 min

Lab File: BF108119.D

Acq: 13 Aug 2018 16:38

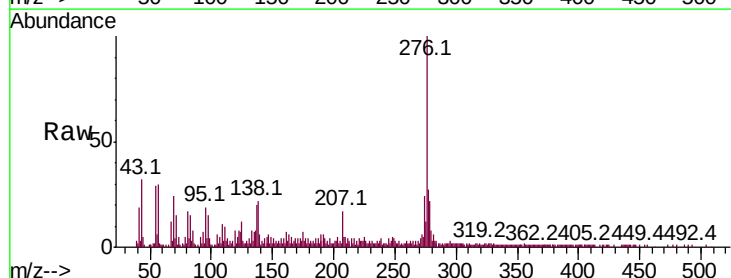
Tgt Ion:276 Resp: 126264

Ion Ratio Lower Upper

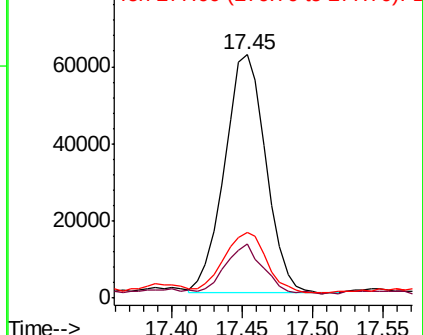
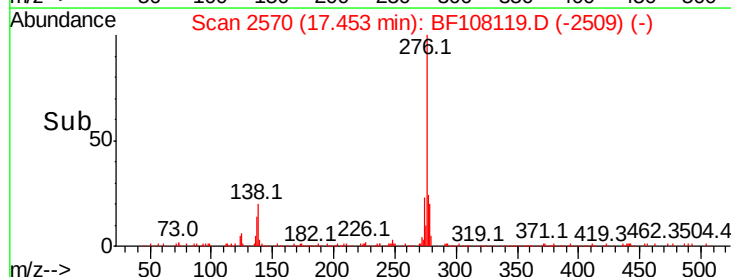
276 100

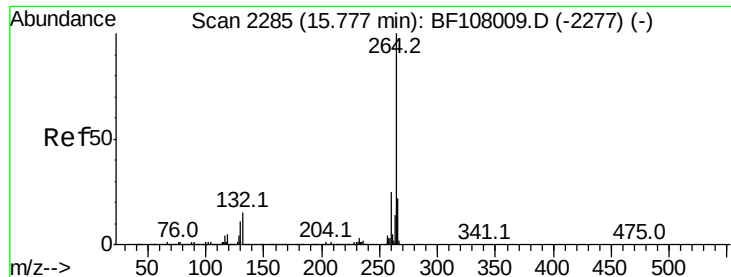
138 19.7 25.0 37.6#

277 26.1 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 138.00 (137.70 to 138.70): E  
Ion 277.00 (276.70 to 277.70): E





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.81 min Scan# 2291

Delta R.T. 0.04 min

Lab File: BF108119.D

Acq: 13 Aug 2018 16:38

Instrument :

BNA\_F

ClientSampleId :

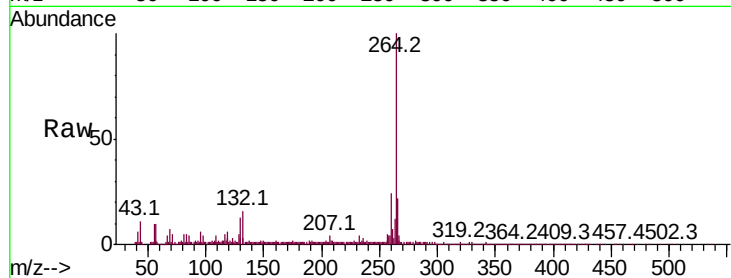
Tot Ion:264 Resp: 318245

Ion Ratio Lower Upper

264 100

260 24.1 19.2 28.8

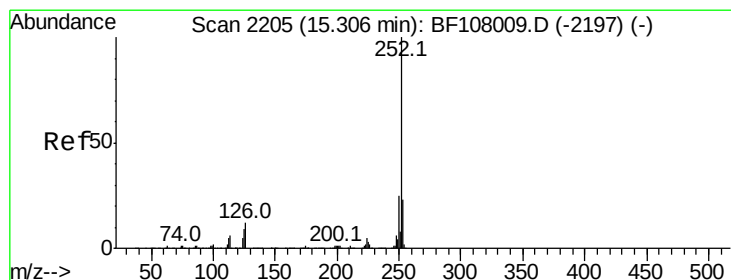
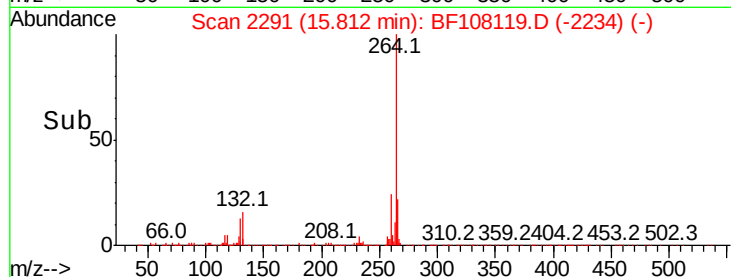
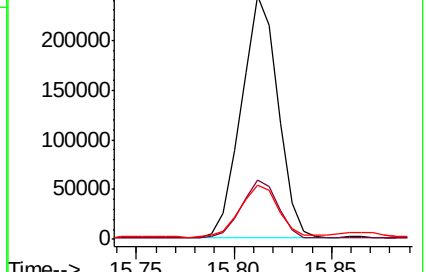
265 22.3 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 26.230 ng

RT: 15.34 min Scan# 2210

Delta R.T. 0.03 min

Lab File: BF108119.D

Acq: 13 Aug 2018 16:38

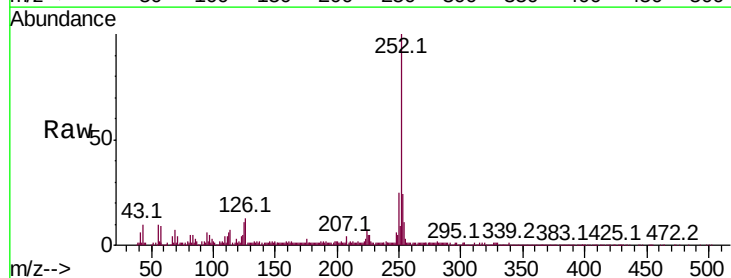
Tgt Ion:252 Resp: 498809

Ion Ratio Lower Upper

252 100

253 24.0 17.0 25.6

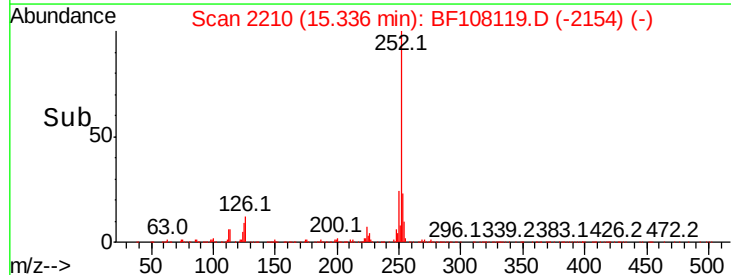
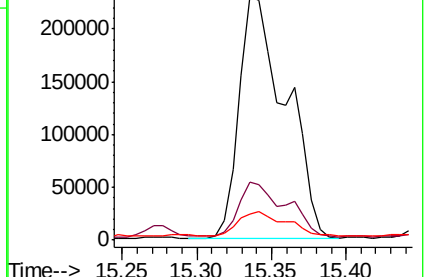
125 10.7 9.0 13.6

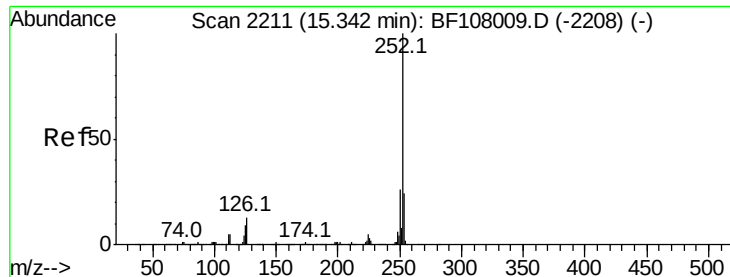


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

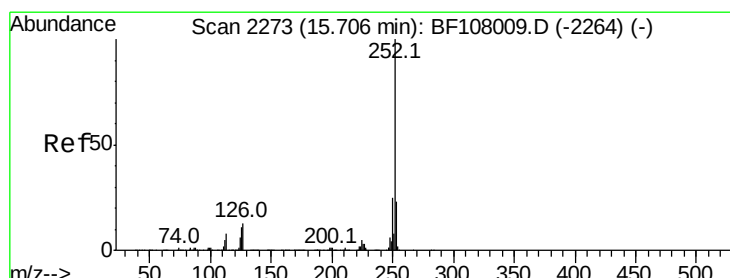
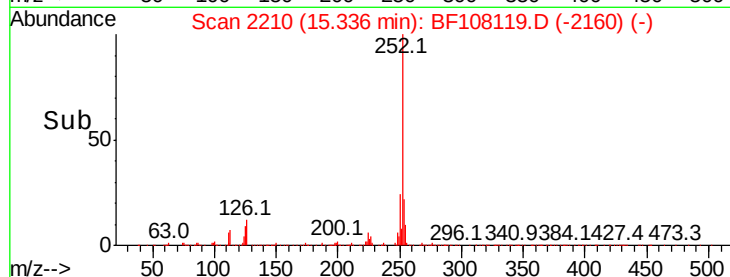
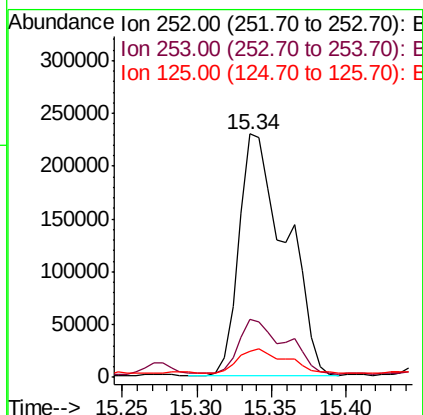
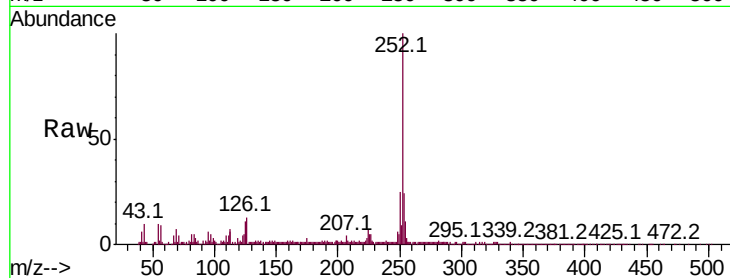




#88  
Benzo(k)fluoranthene  
Concen: 28.535 ng  
RT: 15.34 min Scan# 2210  
Delta R.T. -0.01 min  
Lab File: BF108119.D  
Acq: 13 Aug 2018 16:38

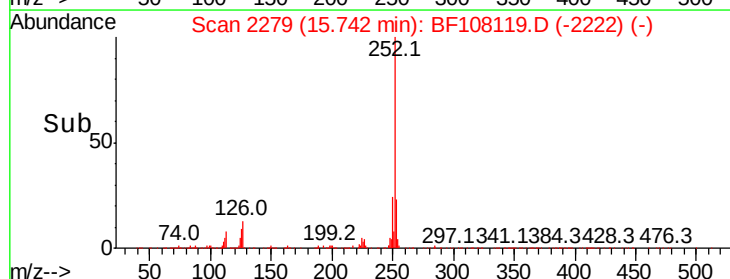
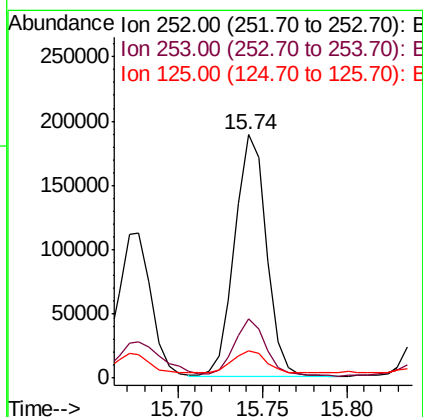
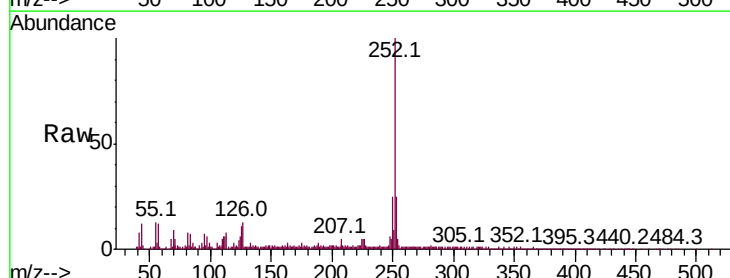
Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.0  | 17.9  | 26.9  |
| 125     | 10.7  | 10.2  | 15.2  |

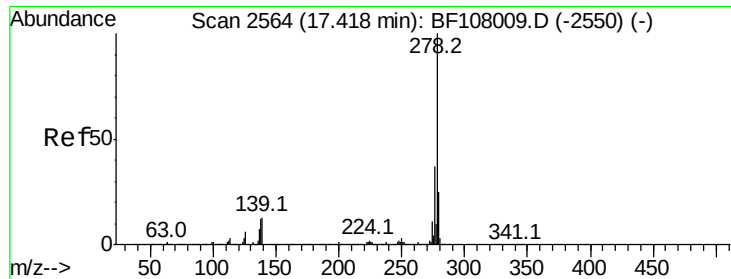


#89  
Benzo(a)pyrene  
Concen: 14.405 ng  
RT: 15.74 min Scan# 2279  
Delta R.T. 0.04 min  
Lab File: BF108119.D  
Acq: 13 Aug 2018 16:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.5  | 17.1  | 25.7  |
| 125     | 11.4  | 9.8   | 14.6  |







#90

Dibenzo(a,h)anthracene

Concen: 2.109 ng

RT: 17.66 min Scan# 2605

Delta R.T. 0.24 min

Lab File: BF108119.D

Acq: 13 Aug 2018 16:38

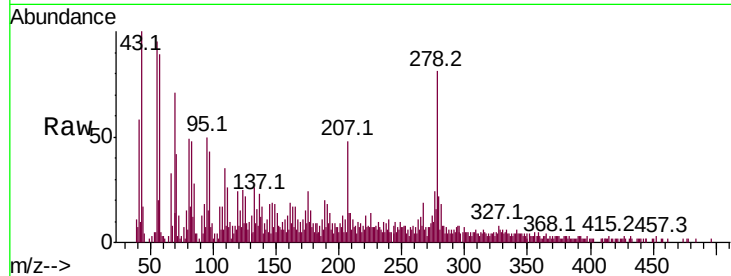
Instrument :

BNA\_F

ClientSampleId :

Tot Ion:278 Resp: 29713

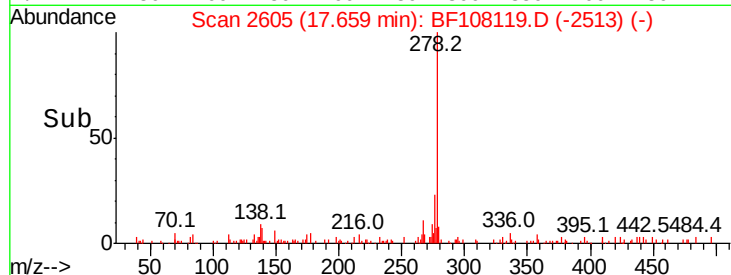
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 278 | 100   |       |       |
| 139 | 21.0  | 15.9  | 23.9  |
| 279 | 27.7  | 19.0  | 28.4  |



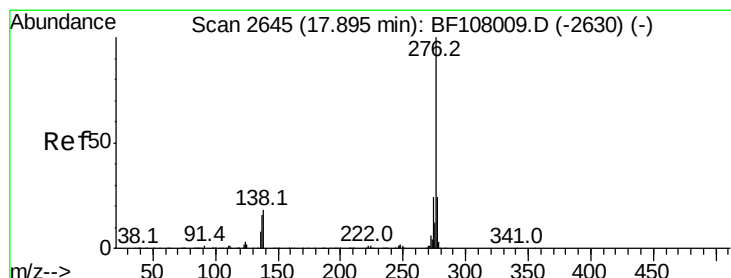
Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->



#91

Benzo(g,h,i)perylene

Concen: 8.116 ng

RT: 17.95 min Scan# 2655

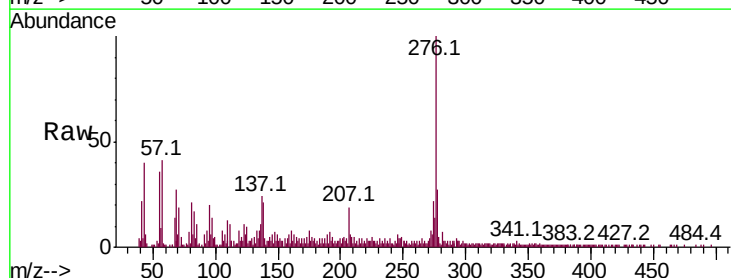
Delta R.T. 0.06 min

Lab File: BF108119.D

Acq: 13 Aug 2018 16:38

Tgt Ion:276 Resp: 112598

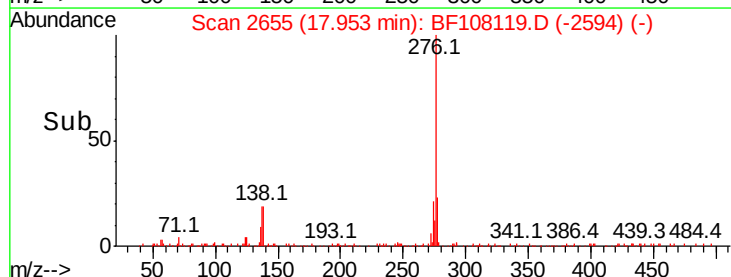
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 277 | 26.7  | 17.9  | 26.9  |
| 138 | 20.5  | 21.8  | 32.8# |



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



Time-->