

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082218\  
 Data File : BF108401.D  
 Acq On : 22 Aug 2018 23:27  
 Operator : JU/SJ  
 Sample : J4580-01  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Aug 23 02:18:04 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 22 11:01:45 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.00  | 152  | 170076   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.28  | 136  | 621210   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 10.05 | 164  | 291700   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.54 | 188  | 483805   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.19 | 240  | 321837   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.75 | 264  | 287540   | 20.00 | ng    | 0.00     |

|                             |       |     |         |       |    |      |
|-----------------------------|-------|-----|---------|-------|----|------|
| System Monitoring Compounds |       |     |         |       |    |      |
| 5) 2-Fluorophenol           | 5.63  | 112 | 847462  | 90.21 | ng | 0.00 |
| 7) Phenol-d6                | 6.62  | 99  | 1139130 | 91.25 | ng | 0.00 |
| 23) Nitrobenzene-d5         | 7.57  | 82  | 738397  | 66.33 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol    | 10.84 | 330 | 257182  | 88.39 | ng | 0.00 |
| 44) 2-Fluorobiphenyl        | 9.36  | 172 | 1224362 | 67.39 | ng | 0.00 |
| 78) Terphenyl-d14           | 13.13 | 244 | 945282  | 74.68 | ng | 0.00 |

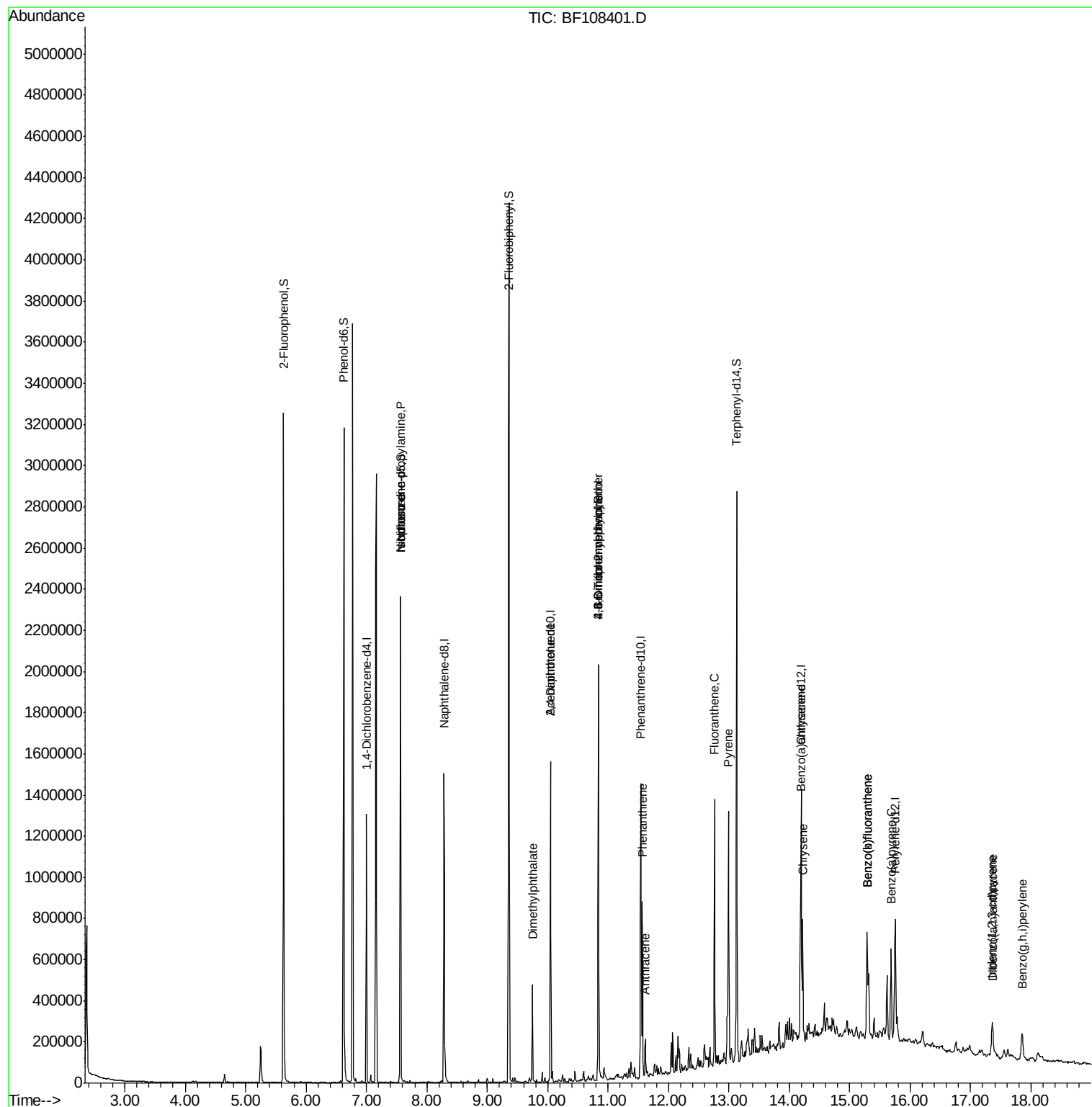
|                                |       |     |        |        |    |      |
|--------------------------------|-------|-----|--------|--------|----|------|
| Target Compounds               |       |     |        | Qvalue |    |      |
| 19) n-Nitroso-di-n-propylamine | 7.57  | 70  | 99887  | 11.832 | ng | # 80 |
| 25) Isophorone                 | 7.57  | 82  | 738383 | 34.798 | ng | # 64 |
| 49) Dimethylphthalate          | 9.75  | 163 | 164116 | 8.077  | ng | 99   |
| 56) 2,4-Dinitrotoluene         | 10.05 | 165 | 38172  | 6.976  | ng | # 24 |
| 64) 4,6-Dinitro-2-methylphenol | 10.84 | 198 | 451    | 5.579  | ng | # 1  |
| 66) 4-Bromophenyl-phenylether  | 10.84 | 248 | 16933  | 3.221  | ng | # 1  |
| 70) Phenanthrene               | 11.57 | 178 | 280240 | 12.281 | ng | 98   |
| 71) Anthracene                 | 11.62 | 178 | 69853  | 2.987  | ng | 97   |
| 74) Fluoranthene               | 12.76 | 202 | 530123 | 21.286 | ng | 96   |
| 77) Pyrene                     | 12.99 | 202 | 475777 | 23.350 | ng | 98   |
| 80) Benzo(a)anthracene         | 14.18 | 228 | 265547 | 14.377 | ng | 99   |
| 82) Chrysene                   | 14.22 | 228 | 245441 | 14.495 | ng | 98   |
| 85) Indeno(1,2,3-cd)pyrene     | 17.36 | 276 | 116685 | 7.953  | ng | # 86 |
| 87) Benzo(b)fluoranthene       | 15.29 | 252 | 422162 | 24.570 | ng | 95   |
| 88) Benzo(k)fluoranthene       | 15.29 | 252 | 422162 | 26.729 | ng | # 96 |
| 89) Benzo(a)pyrene             | 15.68 | 252 | 221807 | 14.416 | ng | 95   |
| 90) Dibenzo(a,h)anthracene     | 17.37 | 278 | 30801  | 2.420  | ng | 94   |
| 91) Benzo(g,h,i)perylene       | 17.85 | 276 | 107944 | 8.611  | ng | # 89 |

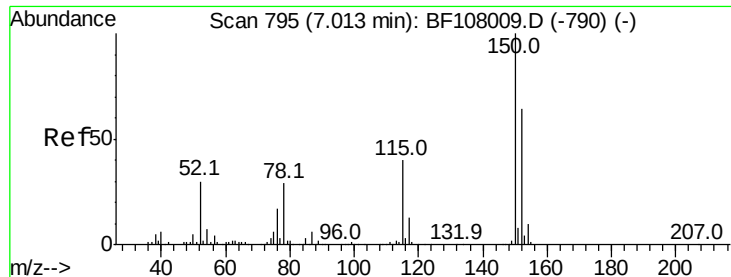
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082218\  
Data File : BF108401.D  
Acq On : 22 Aug 2018 23:27  
Operator : JU/SJ  
Sample : J4580-01  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :

Quant Time: Aug 23 02:18:04 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 22 11:01:45 2018  
Response via : Initial Calibration



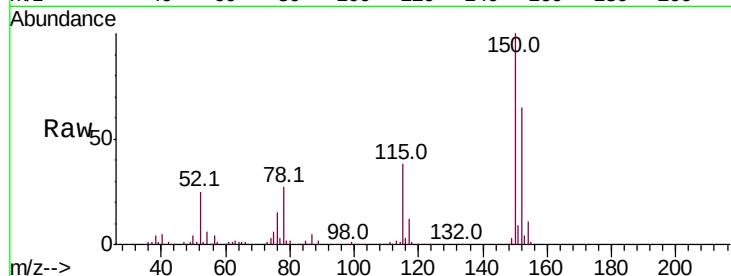


#1

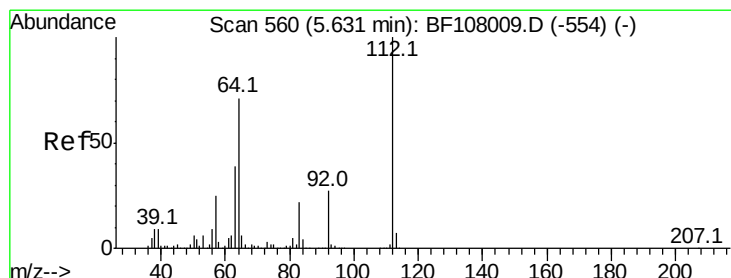
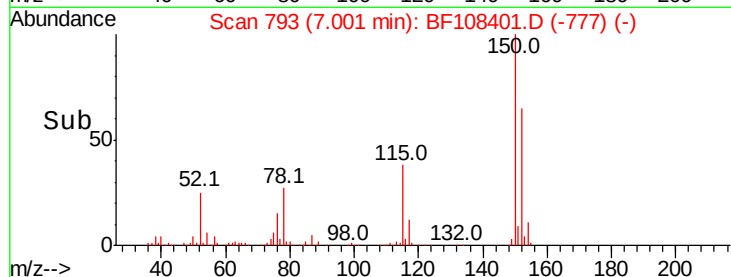
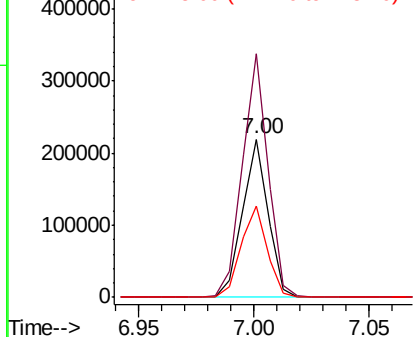
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.00 min Scan# 793  
Delta R.T. -0.01 min  
Lab File: BF108401.D  
Acq: 22 Aug 2018 23:27

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 170076  
Ion Ratio Lower Upper  
152 100  
150 154.0 124.6 186.8  
115 57.9 50.1 75.1



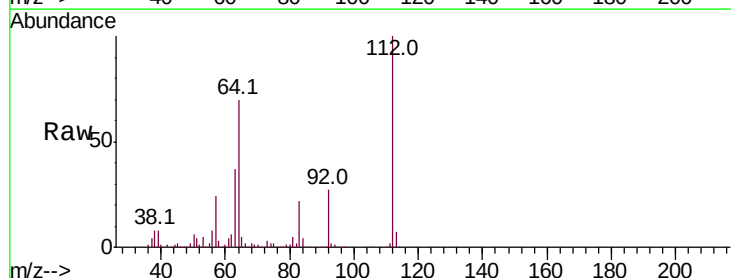
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



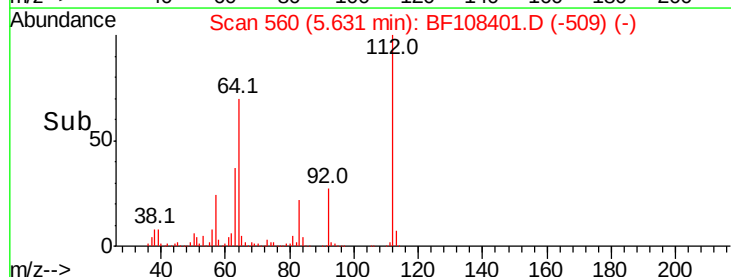
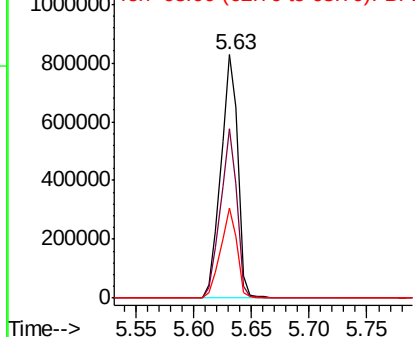
#5

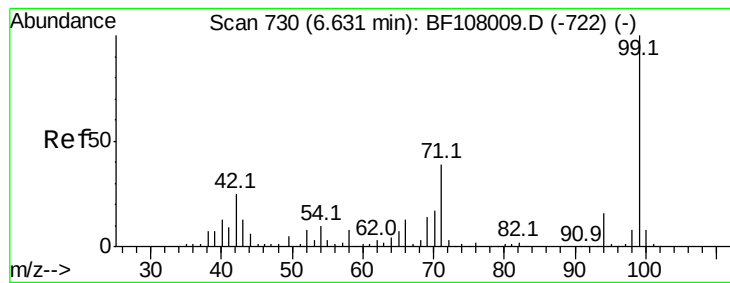
2-Fluorophenol  
Concen: 90.212 ng  
RT: 5.63 min Scan# 560  
Delta R.T. -0.00 min  
Lab File: BF108401.D  
Acq: 22 Aug 2018 23:27

Tgt Ion:112 Resp: 847462  
Ion Ratio Lower Upper  
112 100  
64 69.7 47.9 71.9  
63 37.1 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: 91.251 ng

RT: 6.62 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF108401.D

Acq: 22 Aug 2018 23:27

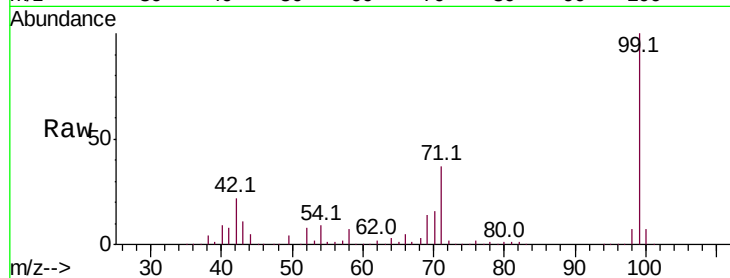
Instrument :

BNA\_F

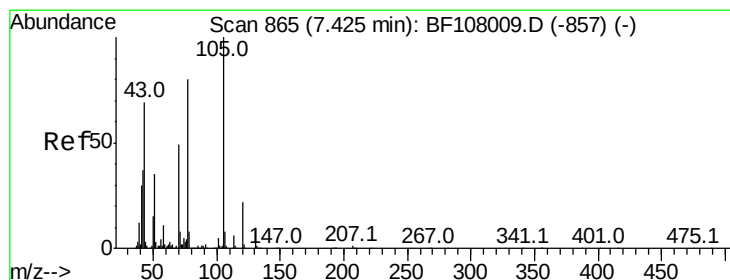
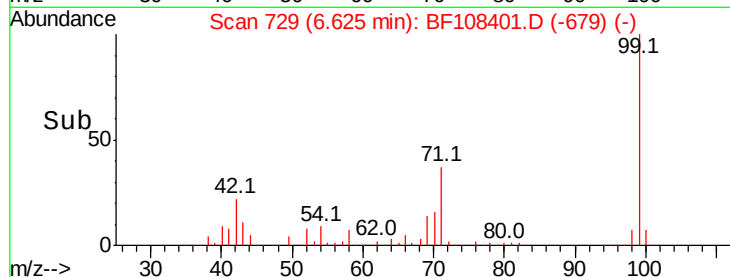
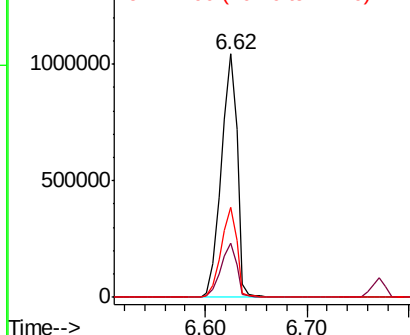
ClientSampled :

Tot Ion: 99 Resp: 1139130

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 22.5  | 14.5  | 21.7# |
| 71  | 37.2  | 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: 11.832 ng

RT: 7.57 min Scan# 889

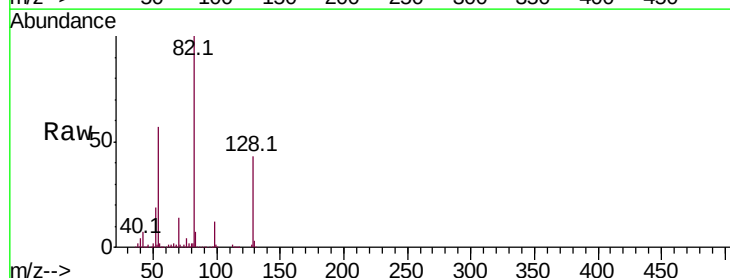
Delta R.T. 0.15 min

Lab File: BF108401.D

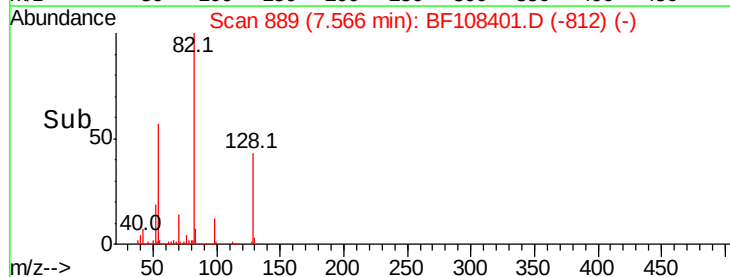
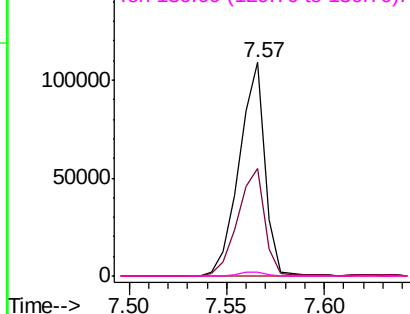
Acq: 22 Aug 2018 23:27

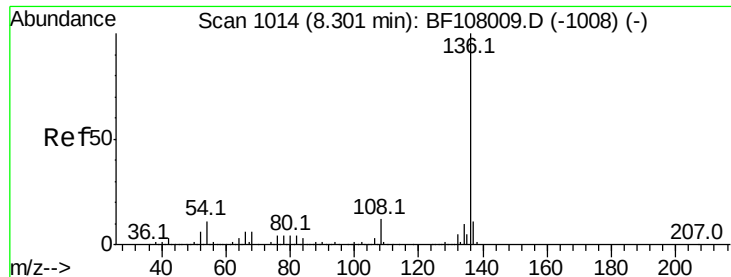
Tgt Ion: 70 Resp: 99887

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 50.2  | 47.5  | 71.3  |
| 101 | 0.0   | 7.4   | 11.2# |
| 130 | 1.9   | 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: 8.28 min Scan# 1011

Delta R.T. -0.01 min

Lab File: BF108401.D

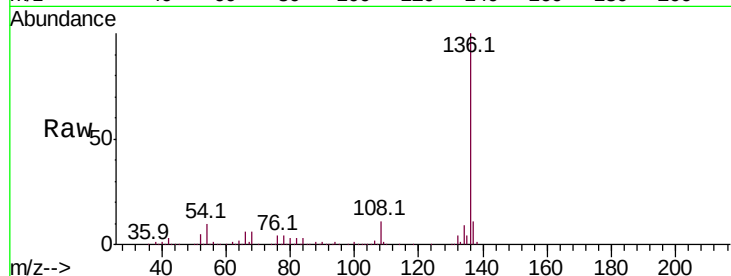
Acq: 22 Aug 2018 23:27

Instrument :

BNA\_F

ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 136   | Resp: | 621210 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.1  | 8.9   | 13.3   |
| 54       | 10.0  | 6.6   | 9.8#   |
| 68       | 6.2   | 5.0   | 7.4    |

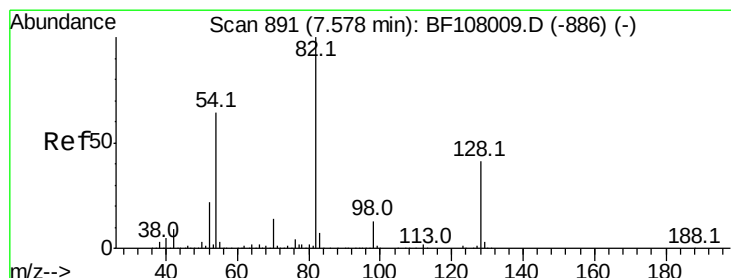
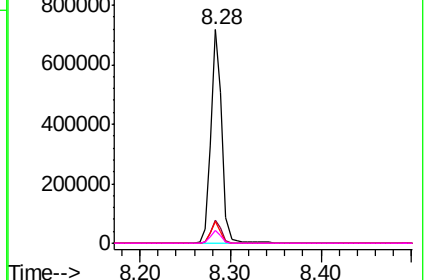
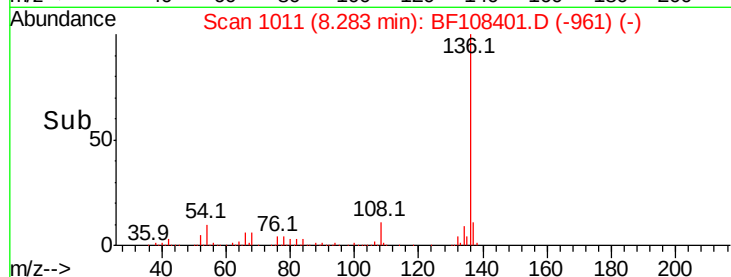


Abundance Ion 136.00 (135.70 to 136.70): E

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: 66.328 ng

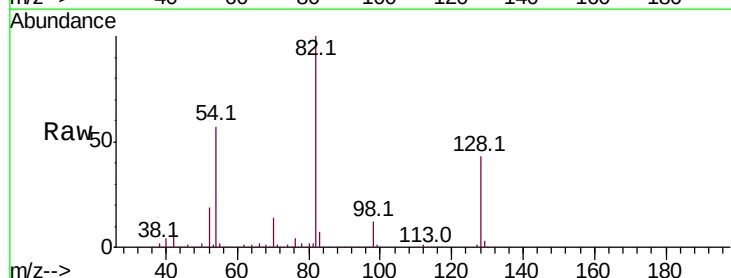
RT: 7.57 min Scan# 889

Delta R.T. -0.01 min

Lab File: BF108401.D

Acq: 22 Aug 2018 23:27

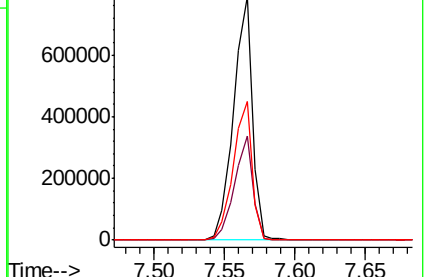
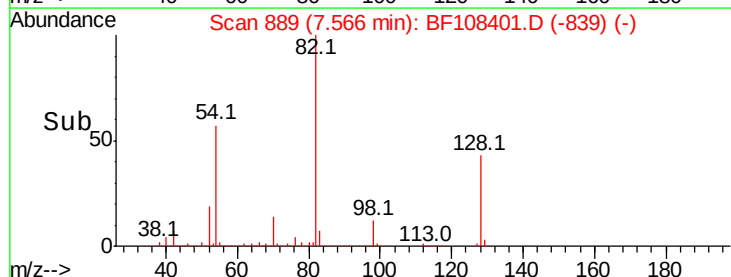
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 738397 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 42.7  | 36.1  | 54.1   |
| 54       | 57.2  | 41.4  | 62.2   |

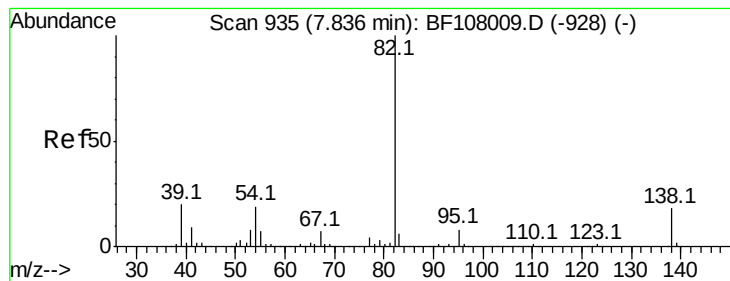


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 34.798 ng

RT: 7.57 min Scan# 889

Delta R.T. -0.26 min

Lab File: BF108401.D

Acq: 22 Aug 2018 23:27

Instrument :

BNA\_F

ClientSampleId :

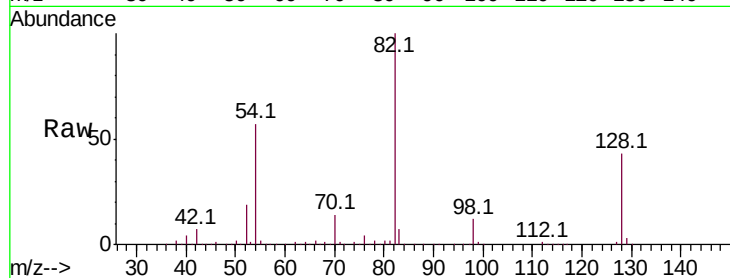
Tot Ion: 82 Resp: 738383

Ion Ratio Lower Upper

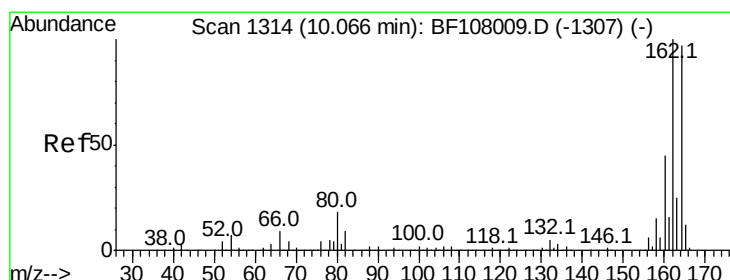
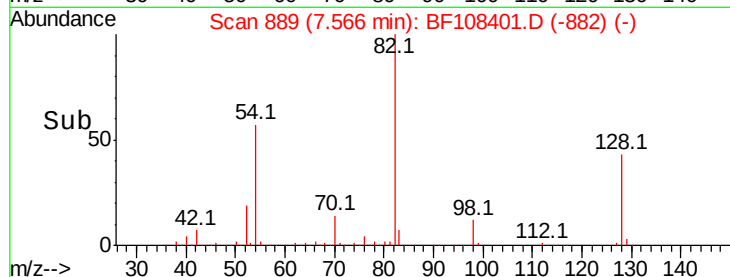
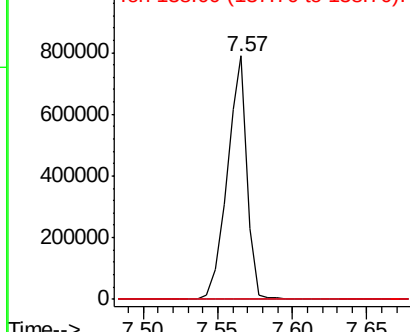
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 95.00 (94.70 to 95.70): BF1  
Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.05 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BF108401.D

Acq: 22 Aug 2018 23:27

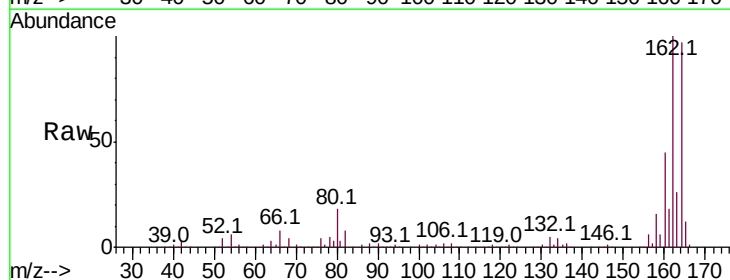
Tgt Ion:164 Resp: 291700

Ion Ratio Lower Upper

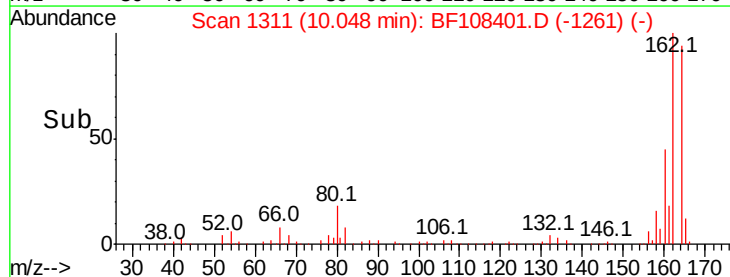
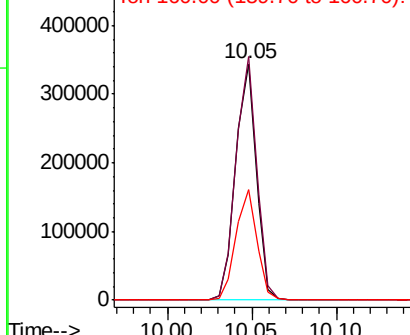
164 100

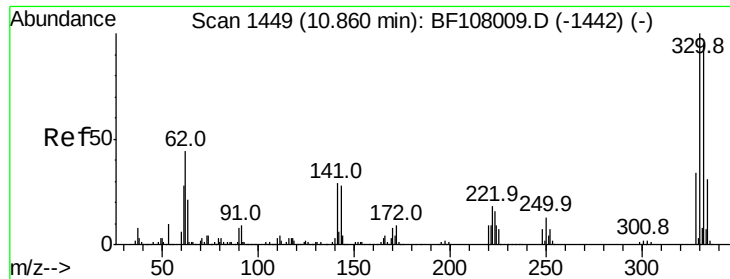
162 103.1 86.1 129.1

160 46.8 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

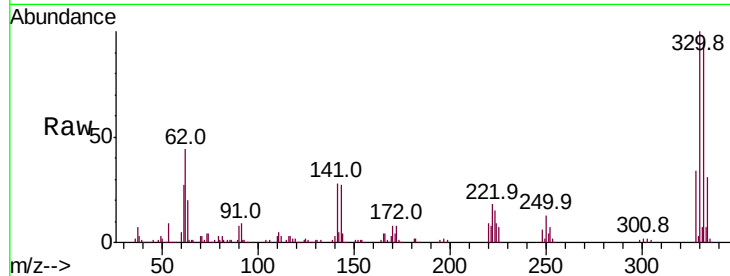




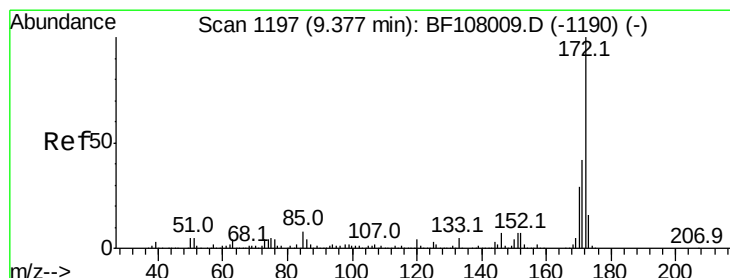
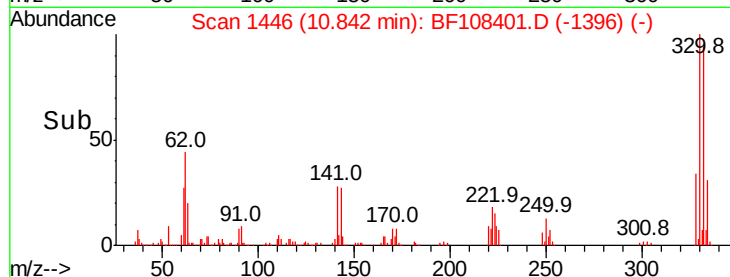
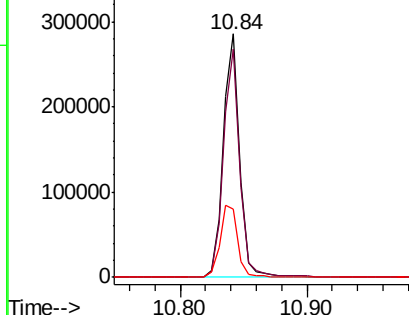
#41  
 2,4,6-Tribromophenol  
 Concen: 88.390 ng  
 RT: 10.84 min Scan# 1446  
 Delta R.T. -0.01 min  
 Lab File: BF108401.D  
 Acq: 22 Aug 2018 23:27

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 94.2  | 77.0  | 115.6 |
| 141     | 32.7  | 29.9  | 44.9  |

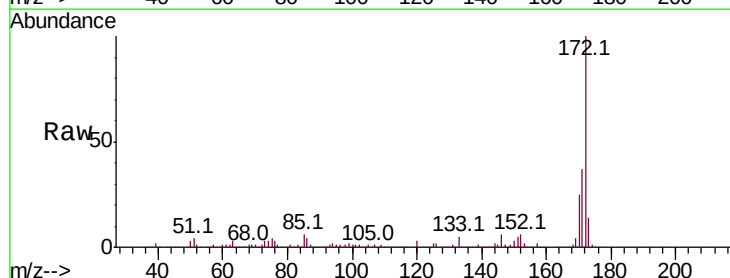


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

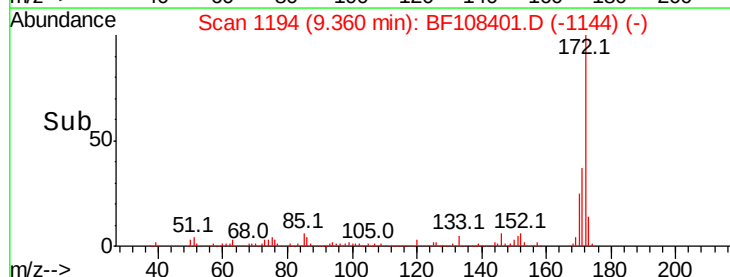
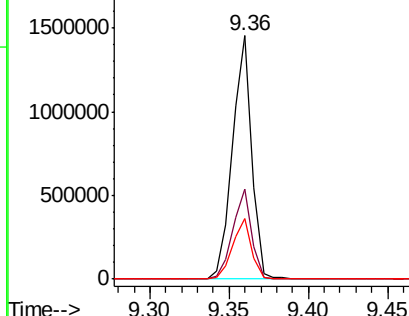


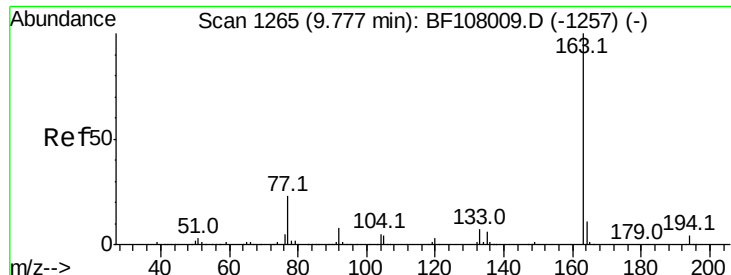
#44  
 2-Fluorobiphenyl  
 Concen: 67.387 ng  
 RT: 9.36 min Scan# 1194  
 Delta R.T. -0.01 min  
 Lab File: BF108401.D  
 Acq: 22 Aug 2018 23:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.9  | 29.7  | 44.5  |
| 170     | 24.8  | 19.6  | 29.4  |



Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

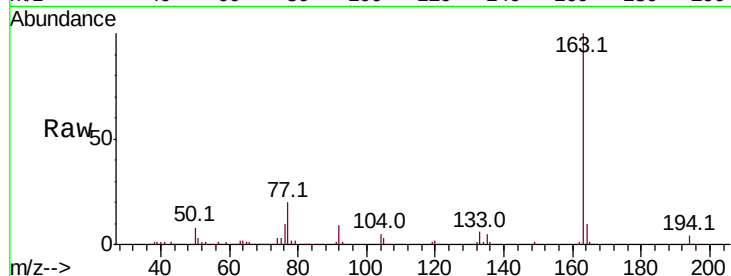




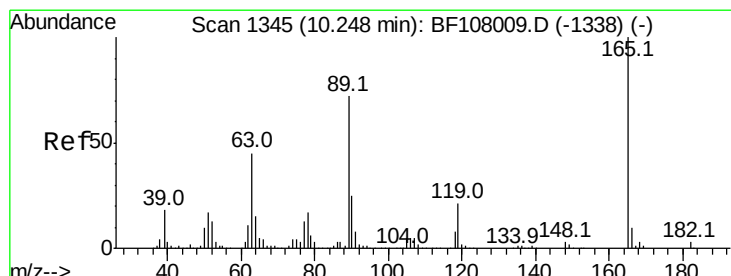
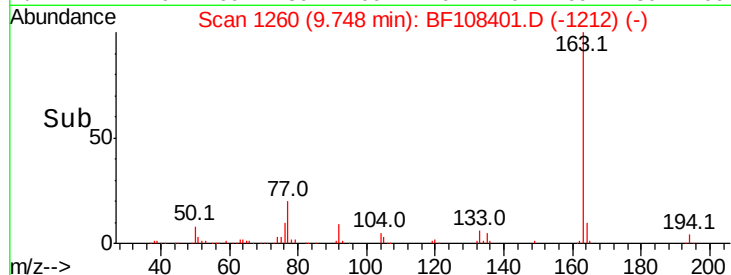
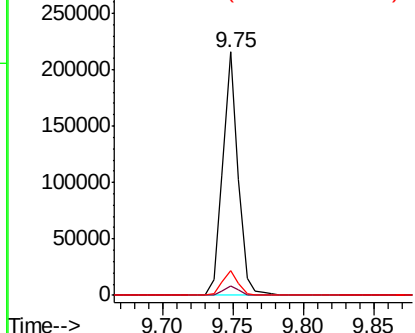
#49  
 Dimethylphthalate  
 Concen: 8.077 ng  
 RT: 9.75 min Scan# 1260  
 Delta R.T. -0.02 min  
 Lab File: BF108401.D  
 Acq: 22 Aug 2018 23:27

Instrument :  
 BNA\_F  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 4.1   | 2.7   | 4.1   |
| 164     | 9.9   | 8.2   | 12.2  |



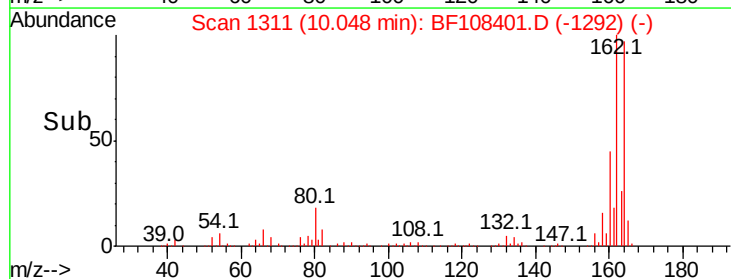
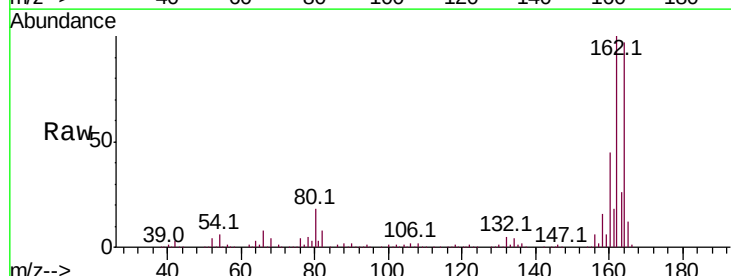
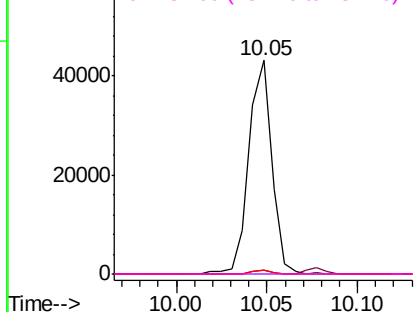
Abundance Ion 163.00 (162.70 to 163.70): E  
 Ion 194.00 (193.70 to 194.70): E  
 Ion 164.00 (163.70 to 164.70): E



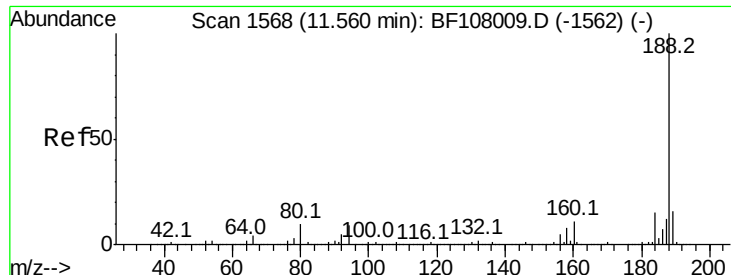
#56  
 2,4-Dinitrotoluene  
 Concen: 6.976 ng  
 RT: 10.05 min Scan# 1311  
 Delta R.T. -0.19 min  
 Lab File: BF108401.D  
 Acq: 22 Aug 2018 23:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.7   | 36.4  | 54.6# |
| 89      | 1.6   | 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



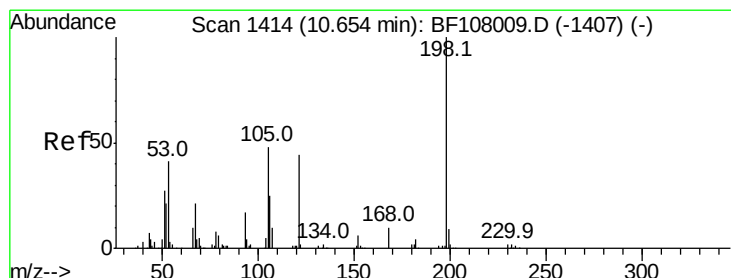
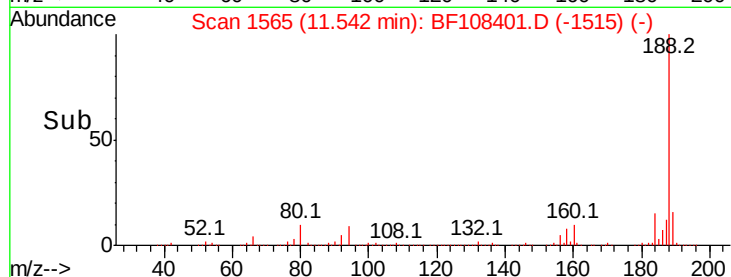
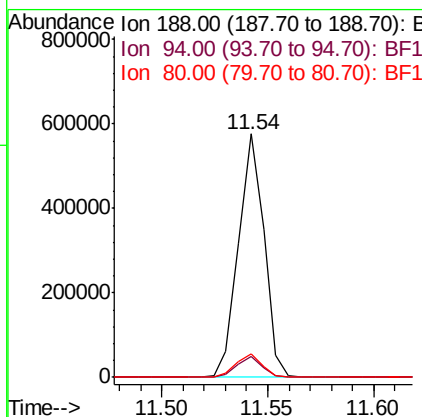
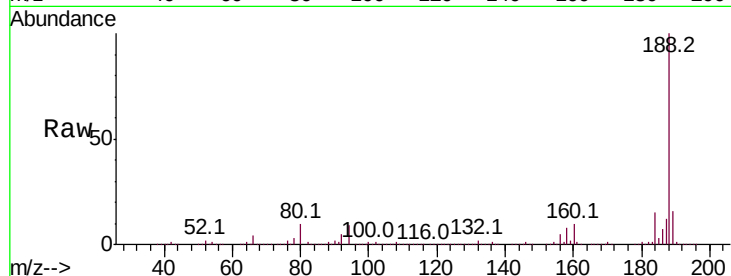




#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.54 min Scan# 1565  
 Delta R.T. -0.01 min  
 Lab File: BF108401.D  
 Acq: 22 Aug 2018 23:27

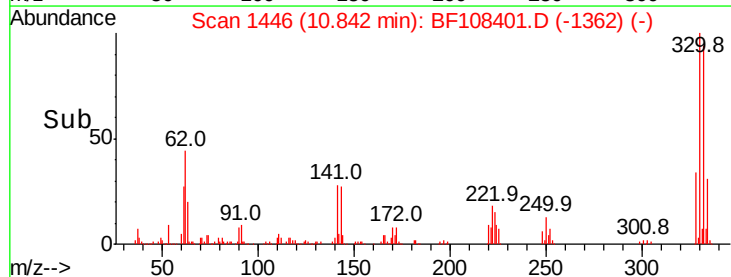
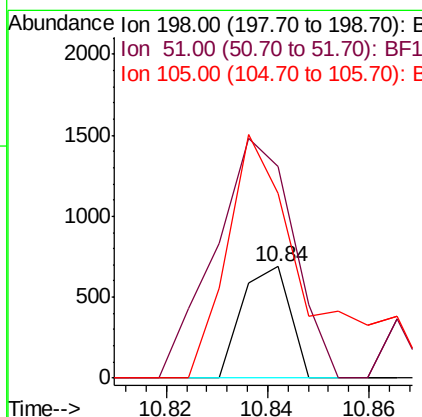
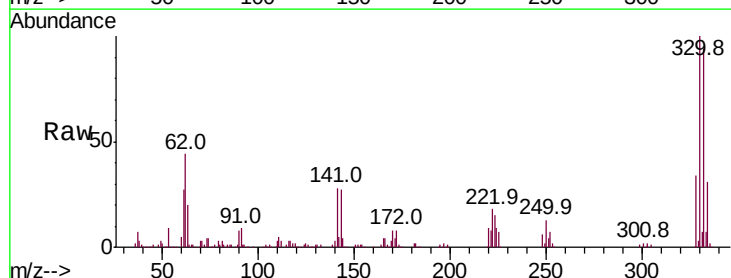
Instrument :  
 BNA\_F  
 ClientSampleId :

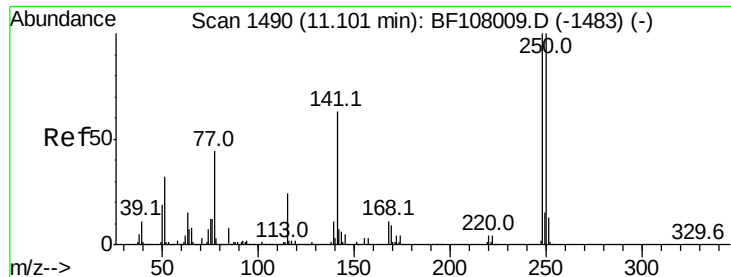
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 8.8   | 8.5   | 12.7  |
| 80      | 9.8   | 9.2   | 13.8  |



#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 5.579 ng  
 RT: 10.84 min Scan# 1446  
 Delta R.T. 0.19 min  
 Lab File: BF108401.D  
 Acq: 22 Aug 2018 23:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 198     | 100   |       |       |
| 51      | 189.7 | 37.7  | 77.7# |
| 105     | 165.6 | 36.3  | 76.3# |

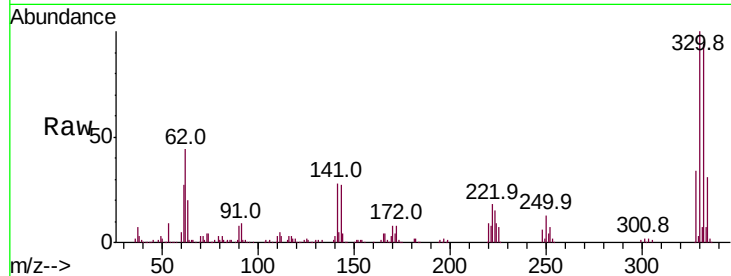




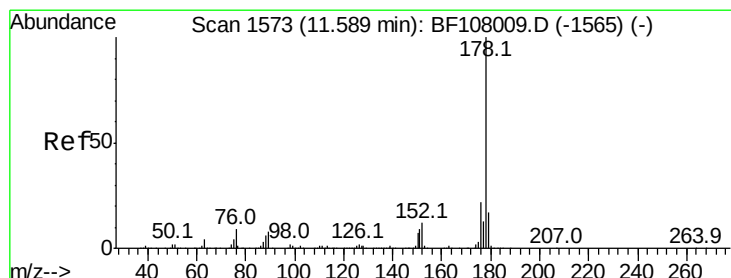
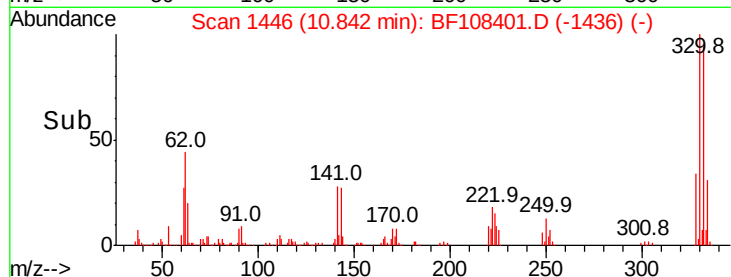
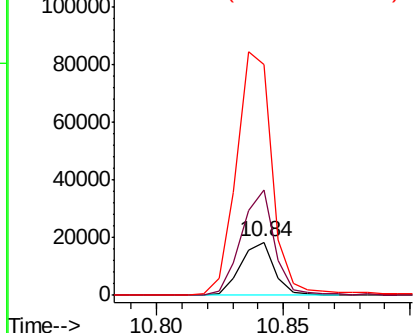
#66  
 4-Bromophenyl-phenylether  
 Concen: 3.221 ng  
 RT: 10.84 min Scan# 1446  
 Delta R.T. -0.24 min  
 Lab File: BF108401.D  
 Acq: 22 Aug 2018 23:27

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:248 Resp: 16933  
 Ion Ratio Lower Upper  
 248 100  
 250 197.8 76.9 115.3#  
 141 434.1 74.4 111.6#

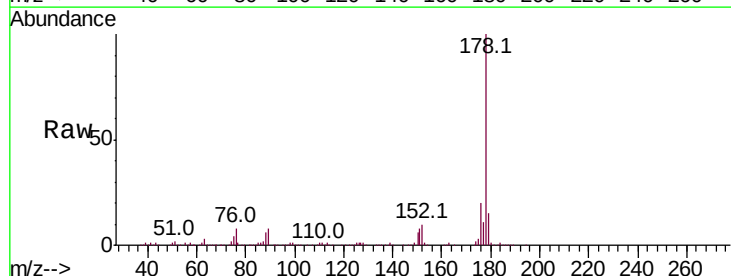


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

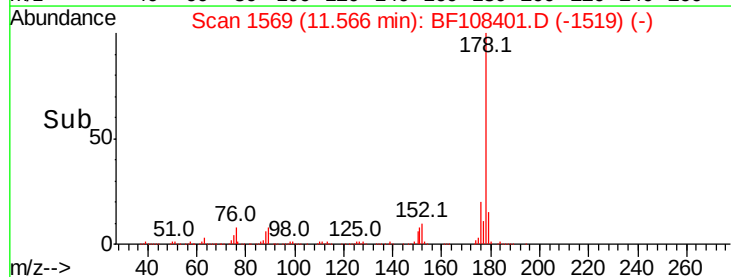
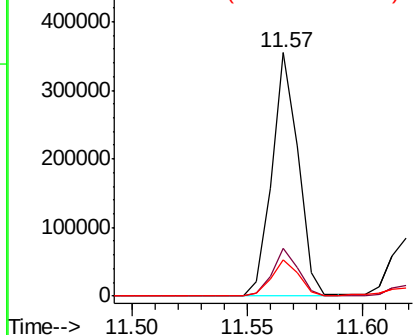


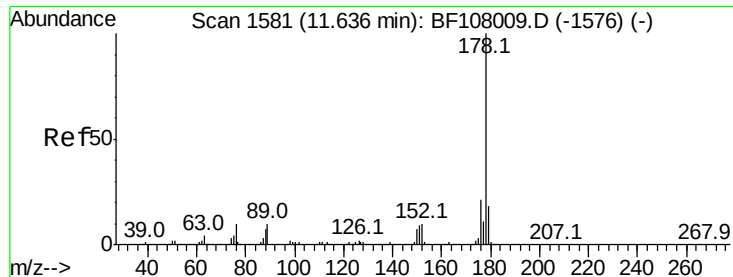
#70  
 Phenanthrene  
 Concen: 12.281 ng  
 RT: 11.57 min Scan# 1569  
 Delta R.T. -0.01 min  
 Lab File: BF108401.D  
 Acq: 22 Aug 2018 23:27

Tgt Ion:178 Resp: 280240  
 Ion Ratio Lower Upper  
 178 100  
 176 19.6 15.8 23.8  
 179 15.1 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E  
 Ion 176.00 (175.70 to 176.70): E  
 Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 2.987 ng

RT: 11.62 min Scan# 1578

Delta R.T. -0.01 min

Lab File: BF108401.D

Acq: 22 Aug 2018 23:27

Instrument :

BNA\_F

ClientSampled :

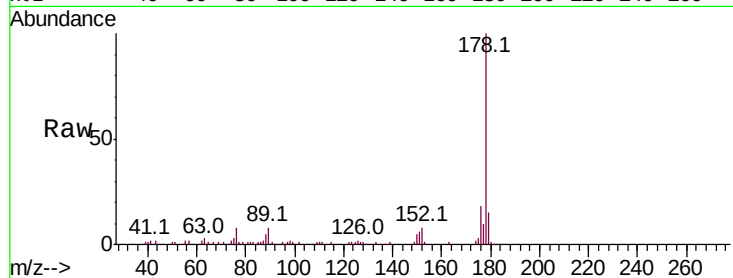
Tot Ion:178 Resp: 69853

Ion Ratio Lower Upper

178 100

176 17.9 15.4 23.2

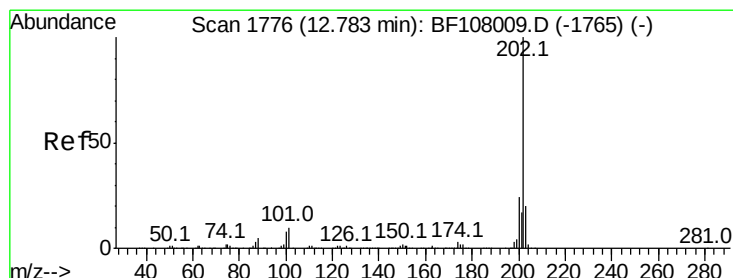
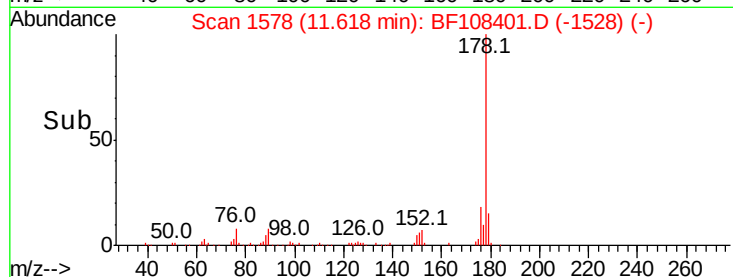
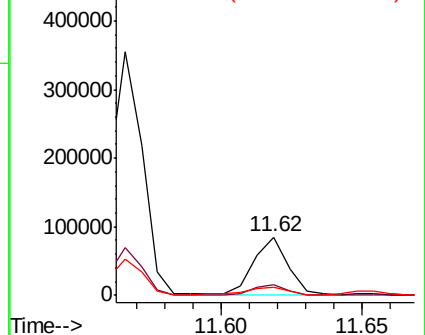
179 14.7 12.6 19.0



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: 21.286 ng

RT: 12.76 min Scan# 1772

Delta R.T. -0.01 min

Lab File: BF108401.D

Acq: 22 Aug 2018 23:27

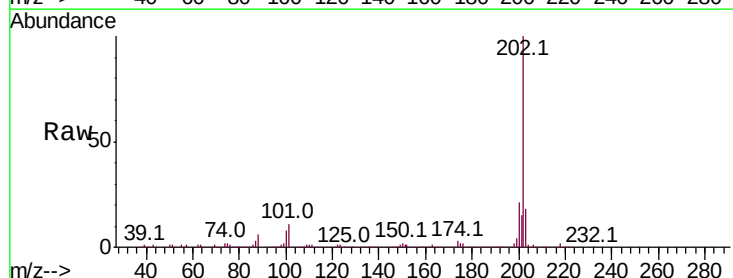
Tgt Ion:202 Resp: 530123

Ion Ratio Lower Upper

202 100

101 10.8 0.0 34.1

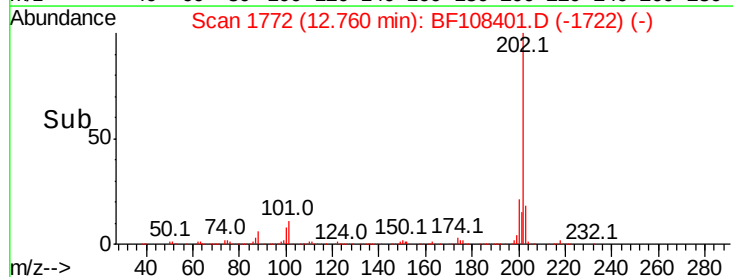
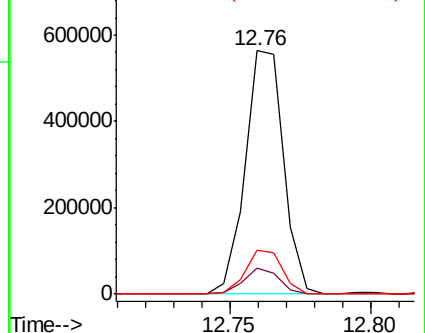
203 17.9 0.0 38.1

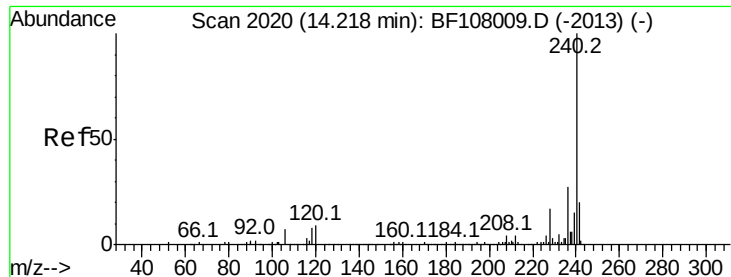


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.19 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BF108401.D

Acq: 22 Aug 2018 23:27

Instrument :

BNA\_F

ClientSampleId :

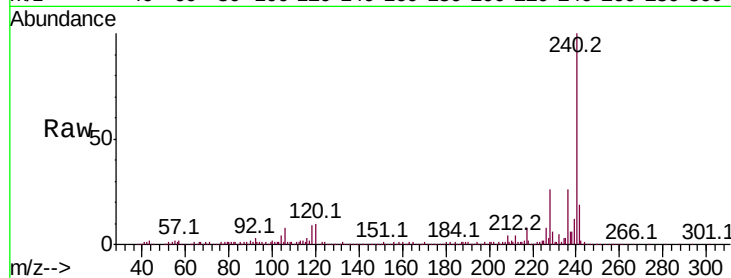
Tot Ion:240 Resp: 321837

Ion Ratio Lower Upper

240 100

120 10.5 9.5 14.3

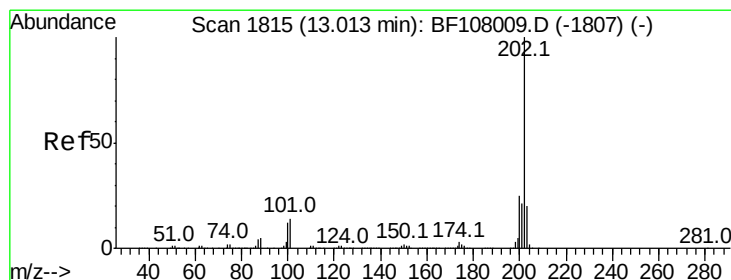
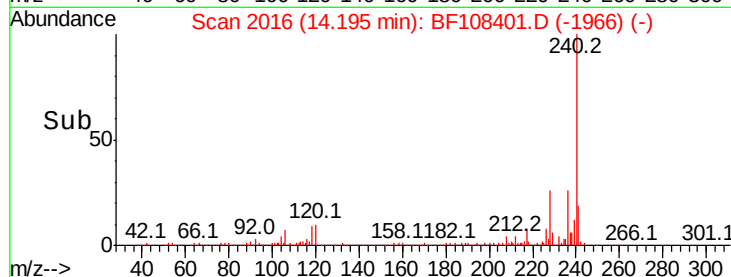
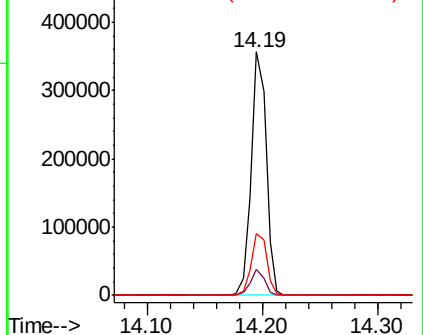
236 25.7 20.7 31.1



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: 23.350 ng

RT: 12.99 min Scan# 1812

Delta R.T. -0.01 min

Lab File: BF108401.D

Acq: 22 Aug 2018 23:27

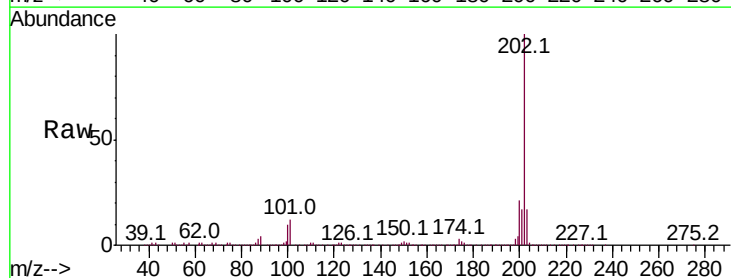
Tgt Ion:202 Resp: 475777

Ion Ratio Lower Upper

202 100

200 20.8 17.4 26.2

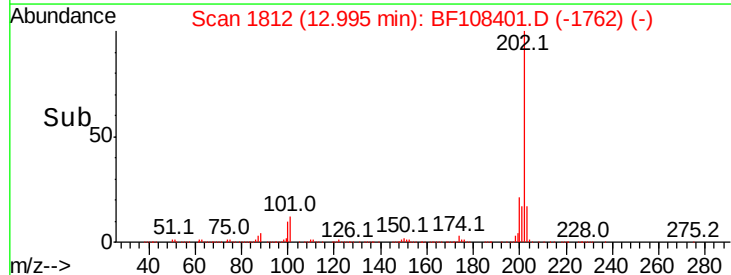
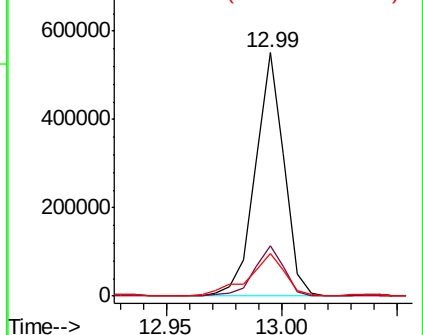
203 17.4 14.3 21.5

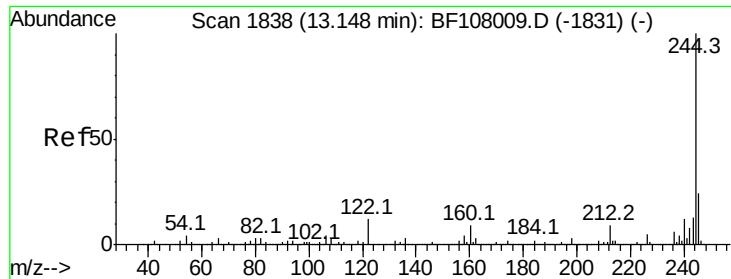


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

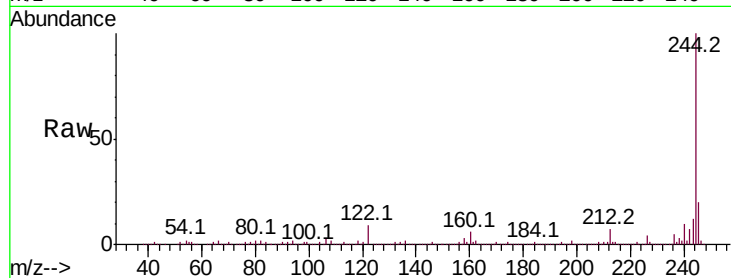




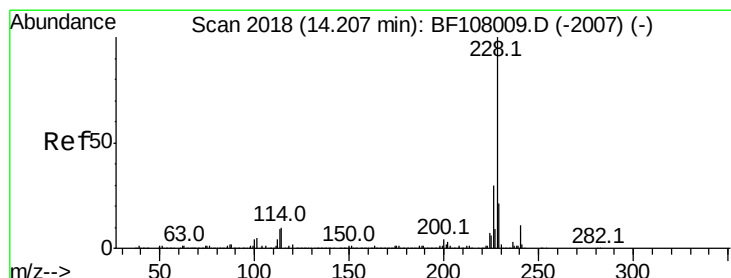
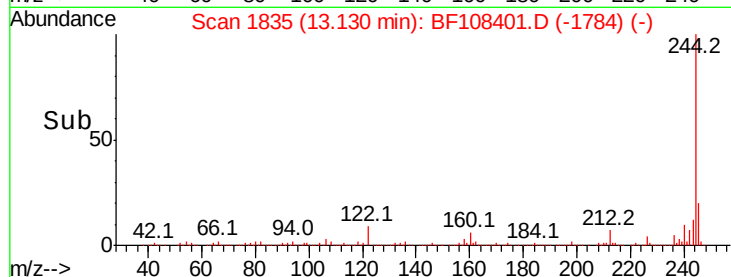
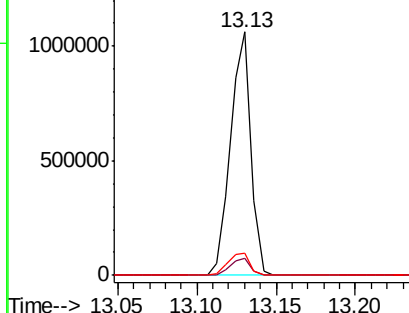
#78  
 Terphenyl-d14  
 Concen: 74.679 ng  
 RT: 13.13 min Scan# 1835  
 Delta R.T. -0.00 min  
 Lab File: BF108401.D  
 Acq: 22 Aug 2018 23:27

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:244 Resp: 945282  
 Ion Ratio Lower Upper  
 244 100  
 212 6.9 5.4 8.0  
 122 8.9 11.0 16.4#

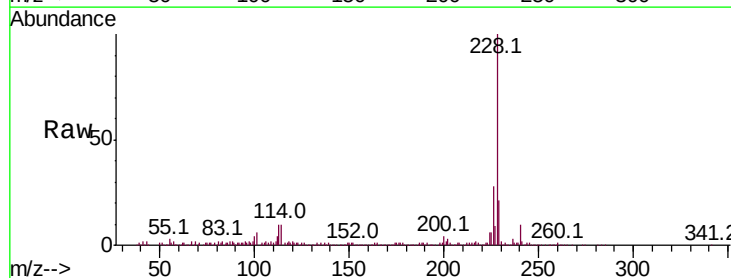


Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E

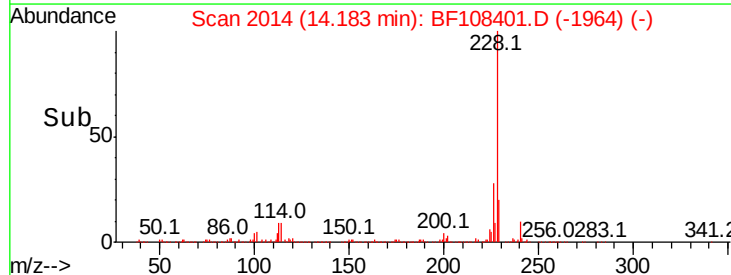
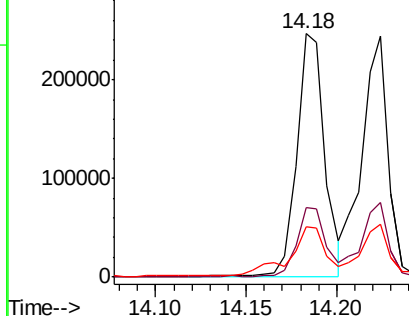


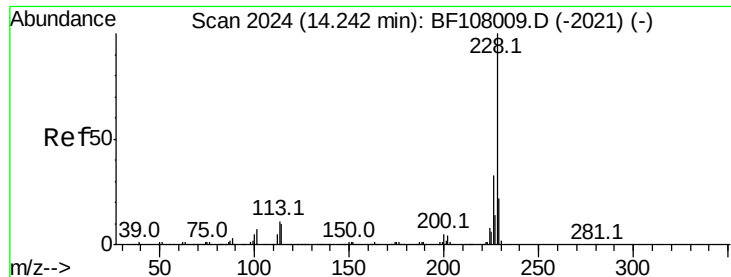
#80  
 Benzo(a)anthracene  
 Concen: 14.377 ng  
 RT: 14.18 min Scan# 2014  
 Delta R.T. -0.01 min  
 Lab File: BF108401.D  
 Acq: 22 Aug 2018 23:27

Tgt Ion:228 Resp: 265547  
 Ion Ratio Lower Upper  
 228 100  
 226 28.4 22.6 33.8  
 229 20.9 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: 14.495 ng

RT: 14.22 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF108401.D

Acq: 22 Aug 2018 23:27

Instrument :

BNA\_F

ClientSampleId :

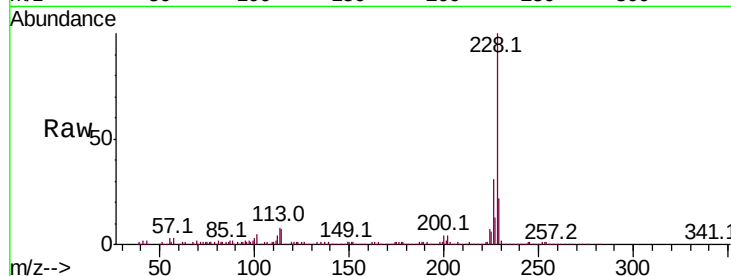
Tot Ion:228 Resp: 245441

Ion Ratio Lower Upper

228 100

226 30.8 25.0 37.6

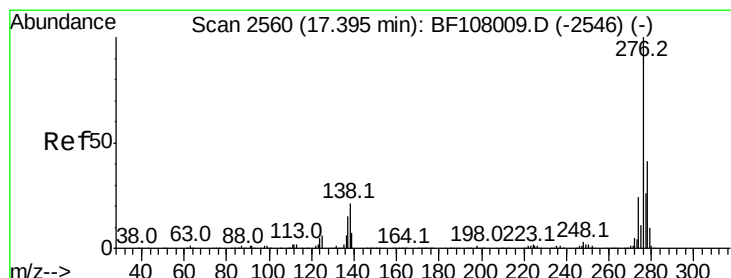
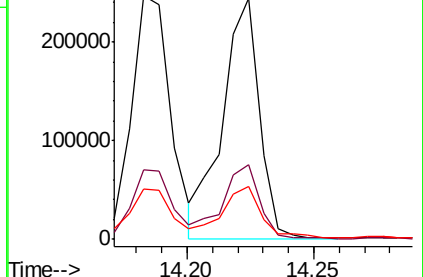
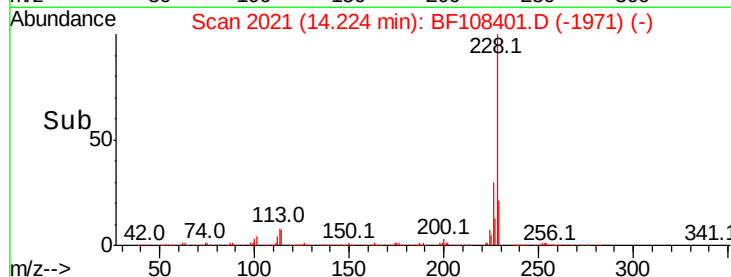
229 22.2 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 7.953 ng

RT: 17.36 min Scan# 2554

Delta R.T. -0.01 min

Lab File: BF108401.D

Acq: 22 Aug 2018 23:27

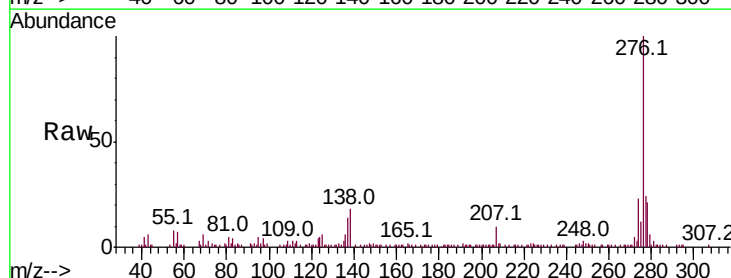
Tgt Ion:276 Resp: 116685

Ion Ratio Lower Upper

276 100

138 18.2 25.0 37.6#

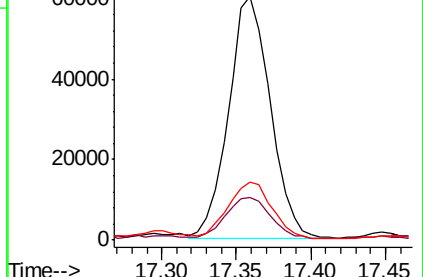
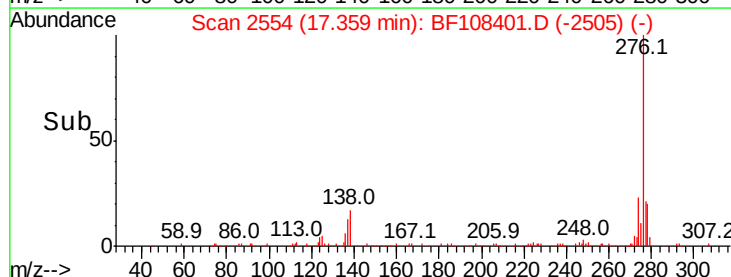
277 24.2 20.1 30.1

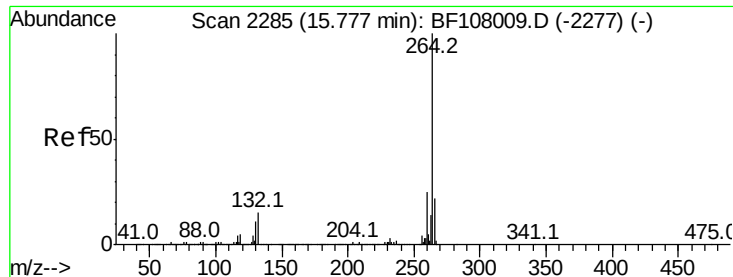


Abundance Ion 276.00 (275.70 to 276.70): E

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: 15.75 min Scan# 2281

Delta R.T. -0.01 min

Lab File: BF108401.D

Acq: 22 Aug 2018 23:27

Instrument :

BNA\_F

ClientSampleId :

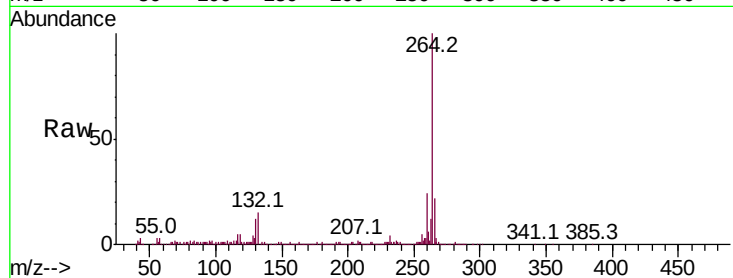
Tot Ion:264 Resp: 287540

Ion Ratio Lower Upper

264 100

260 24.4 19.2 28.8

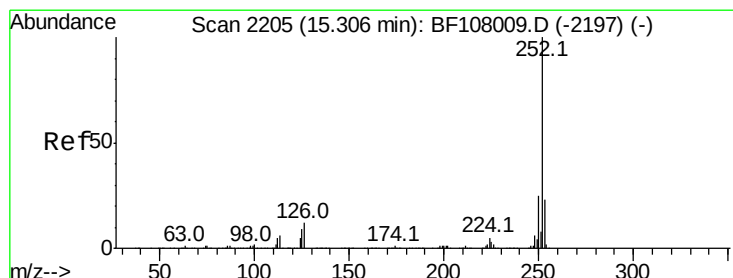
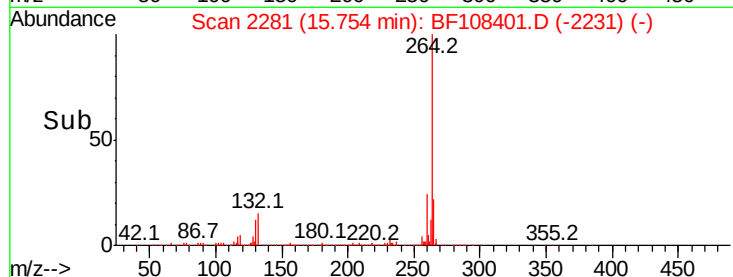
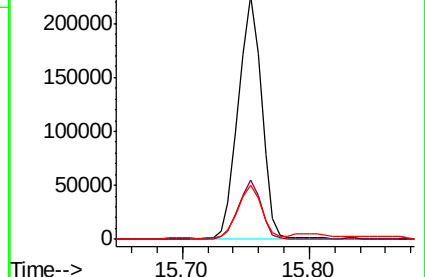
265 22.3 17.5 26.3



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: 24.570 ng

RT: 15.29 min Scan# 2202

Delta R.T. -0.00 min

Lab File: BF108401.D

Acq: 22 Aug 2018 23:27

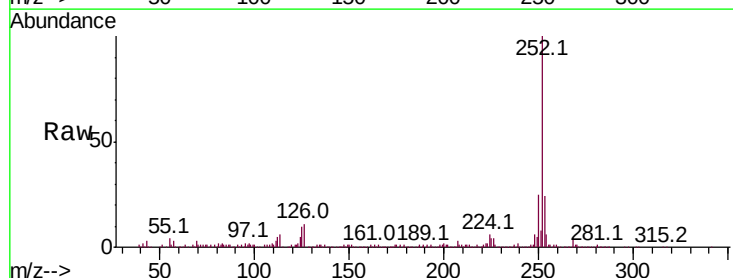
Tgt Ion:252 Resp: 422162

Ion Ratio Lower Upper

252 100

253 23.6 17.0 25.6

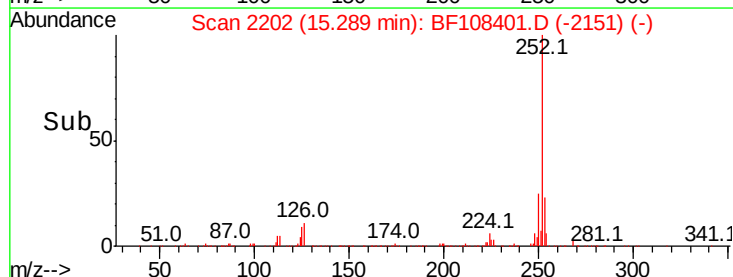
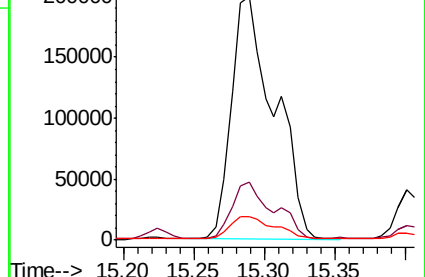
125 9.6 9.0 13.6

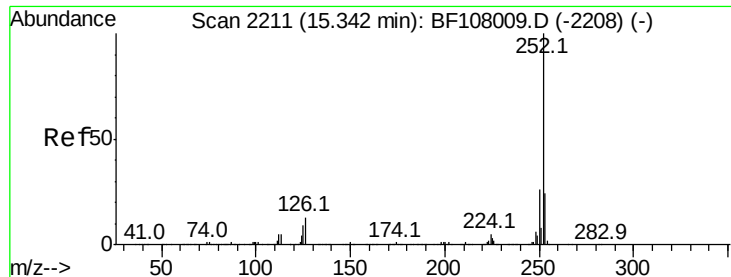


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

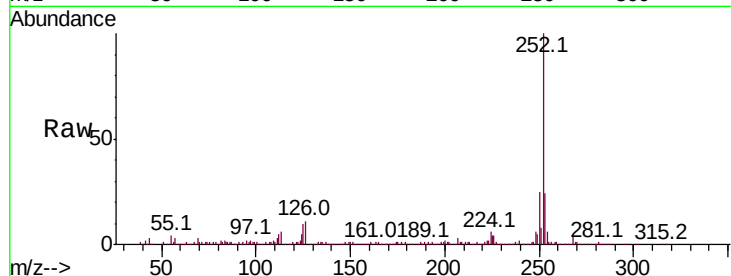




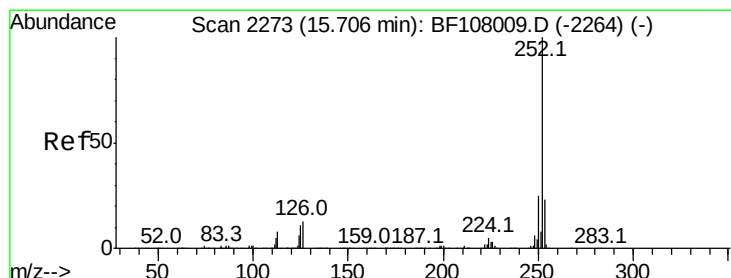
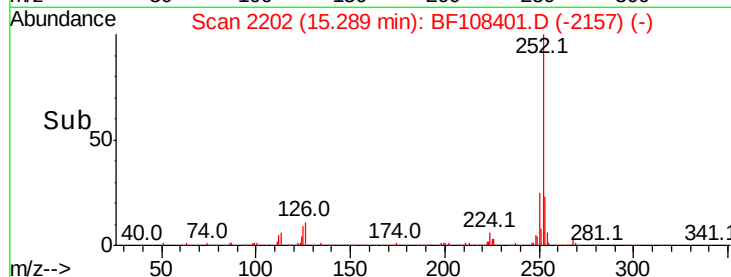
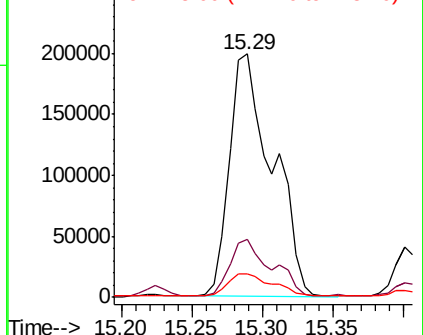
#88  
Benzo(k)fluoranthene  
Concen: 26.729 ng  
RT: 15.29 min Scan# 2202  
Delta R.T. -0.04 min  
Lab File: BF108401.D  
Acq: 22 Aug 2018 23:27

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.6  | 17.9  | 26.9  |
| 125     | 9.6   | 10.2  | 15.2# |

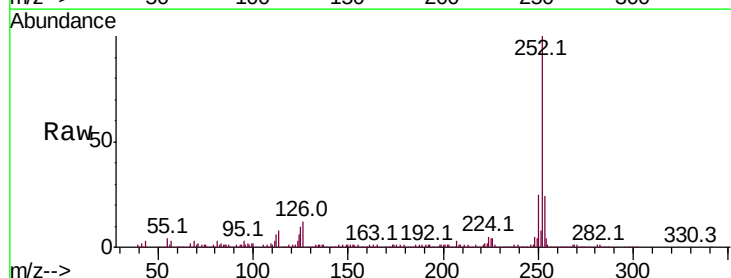


Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

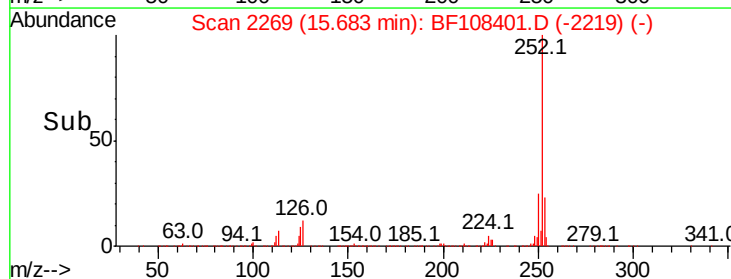
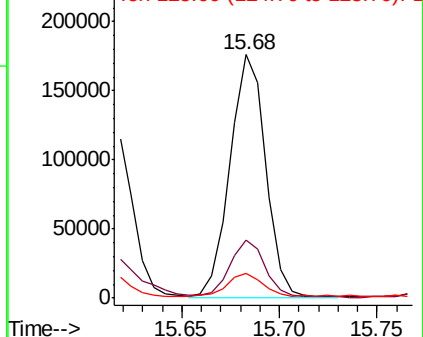


#89  
Benzo(a)pyrene  
Concen: 14.416 ng  
RT: 15.68 min Scan# 2269  
Delta R.T. -0.01 min  
Lab File: BF108401.D  
Acq: 22 Aug 2018 23:27

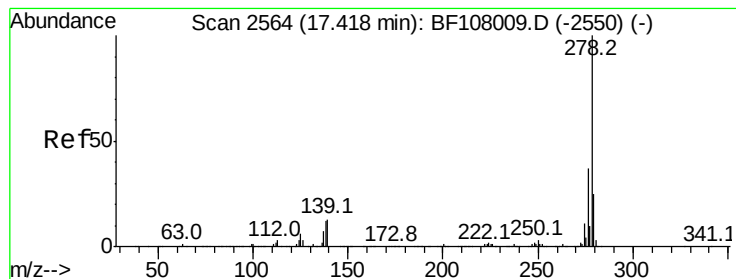
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.7  | 17.1  | 25.7  |
| 125     | 10.2  | 9.8   | 14.6  |



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: 2.420 ng

RT: 17.37 min Scan# 2556

Delta R.T. -0.02 min

Lab File: BF108401.D

Acq: 22 Aug 2018 23:27

Instrument :

BNA\_F

ClientSampleId :

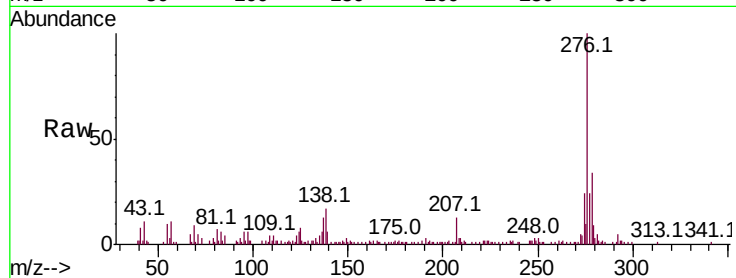
Tot Ion:278 Resp: 30801

Ion Ratio Lower Upper

278 100

139 18.6 15.9 23.9

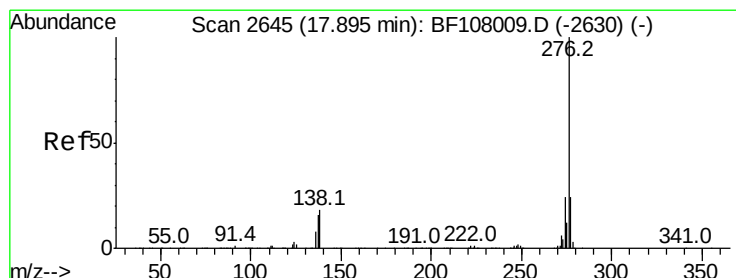
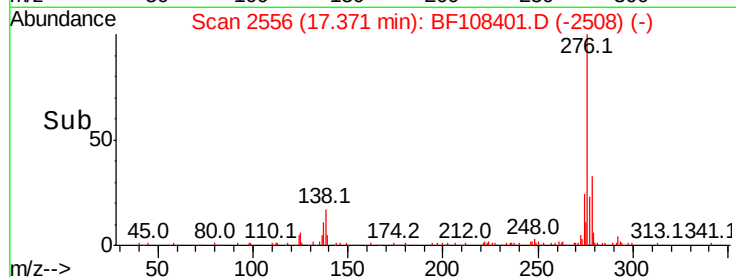
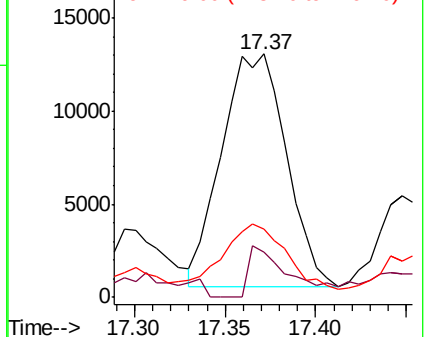
279 28.0 19.0 28.4



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: 8.611 ng

RT: 17.85 min Scan# 2638

Delta R.T. -0.01 min

Lab File: BF108401.D

Acq: 22 Aug 2018 23:27

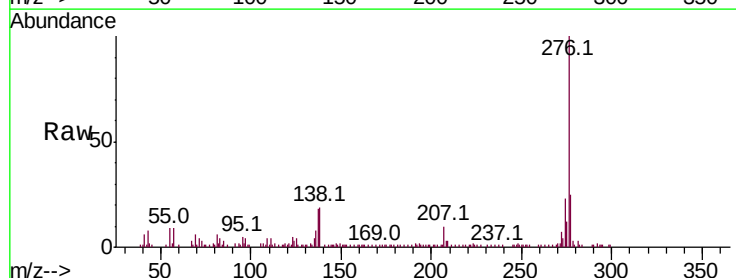
Tgt Ion:276 Resp: 107944

Ion Ratio Lower Upper

276 100

277 24.6 17.9 26.9

138 19.2 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

