

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012020\  
 Data File : BF118611.D  
 Acq On : 21 Jan 2020 00:35  
 Operator : CG/JU  
 Sample : L1164-06  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jan 21 01:44:47 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 20 14:45:03 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.88  | 152  | 486651   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.16  | 136  | 1655473  | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.92  | 164  | 763695   | 20.00 | ng    | -0.01    |
| 64) Phenanthrene-d10      | 11.40 | 188  | 1161257  | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 14.04 | 240  | 1009938  | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.51 | 264  | 961099   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.50  | 112 | 2673396 | 102.03 | ng | 0.00 |
| 7) Phenol-d6             | 6.50  | 99  | 3429897 | 100.71 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.44  | 82  | 2095043 | 70.79  | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.70 | 330 | 776598  | 87.92  | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 9.24  | 172 | 3480169 | 74.90  | ng | 0.00 |
| 79) Terphenyl-d14        | 12.99 | 244 | 3207791 | 69.28  | ng | 0.00 |

## Target Compounds

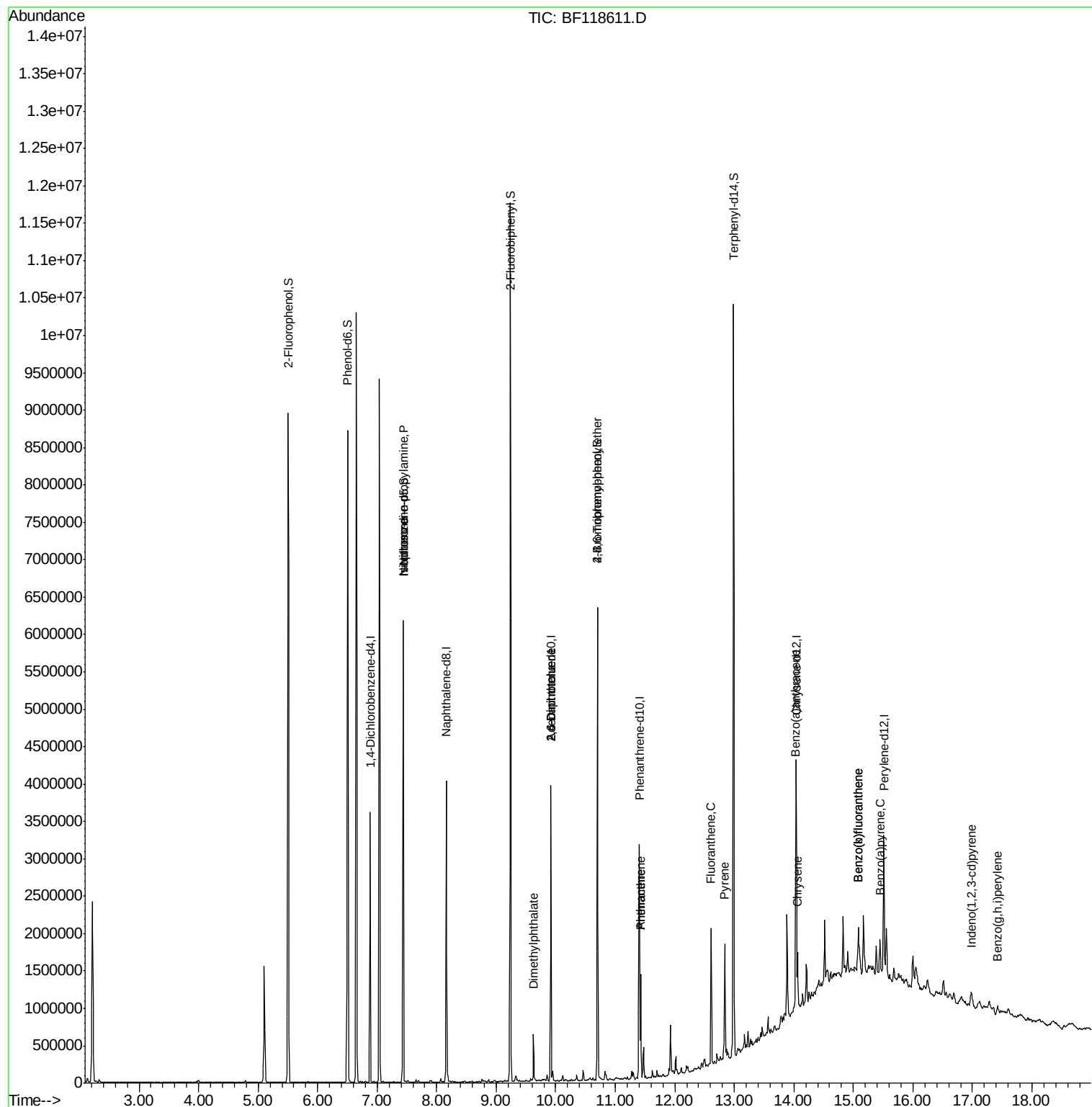
|                                |       |     |         |        |    | Qvalue |
|--------------------------------|-------|-----|---------|--------|----|--------|
| 19) n-Nitroso-di-n-propylamine | 7.44  | 70  | 297493  | 12.937 | ng | # 77   |
| 25) Isophorone                 | 7.44  | 82  | 2089540 | 38.707 | ng | # 64   |
| 50) Dimethylphthalate          | 9.63  | 163 | 221190  | 4.446  | ng | 97     |
| 51) 2,6-Dinitrotoluene         | 9.92  | 165 | 100013  | 8.976  | ng | # 21   |
| 57) 2,4-Dinitrotoluene         | 9.92  | 165 | 100013  | 7.121  | ng | # 25   |
| 67) 4-Bromophenyl-phenylether  | 10.70 | 248 | 48387   | 3.373  | ng | # 1    |
| 71) Phenanthrene               | 11.43 | 178 | 539588  | 9.631  | ng | 93     |
| 72) Anthracene                 | 11.43 | 178 | 539588  | 9.734  | ng | 94     |
| 75) Fluoranthene               | 12.61 | 202 | 750426  | 12.700 | ng | 94     |
| 78) Pyrene                     | 12.84 | 202 | 621342  | 9.062  | ng | 93     |
| 81) Benzo(a)anthracene         | 14.03 | 228 | 334172  | 5.500  | ng | 99     |
| 83) Chrysene                   | 14.06 | 228 | 277480  | 4.766  | ng | 95     |
| 86) Indeno(1,2,3-cd)pyrene     | 16.98 | 276 | 140726  | 2.782  | ng | 95     |
| 88) Benzo(b)fluoranthene       | 15.08 | 252 | 468589  | 7.757  | ng | # 95   |
| 89) Benzo(k)fluoranthene       | 15.08 | 252 | 468589  | 8.372  | ng | # 96   |
| 90) Benzo(a)pyrene             | 15.44 | 252 | 234907  | 4.508  | ng | # 95   |
| 92) Benzo(a,h,i)perylene       | 17.42 | 276 | 131751  | 2.944  | ng | 94     |

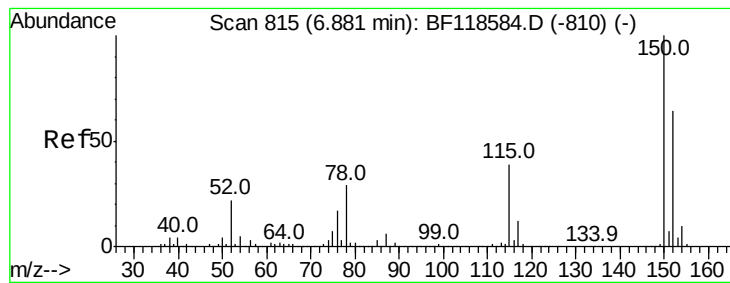
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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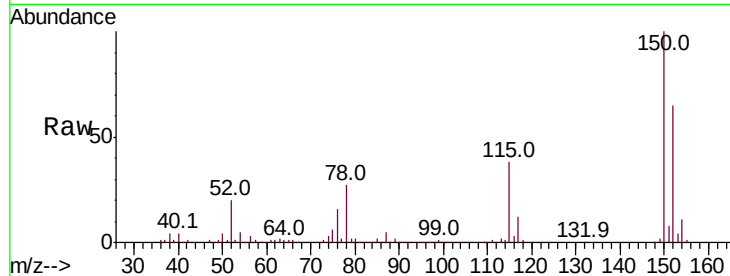


#1

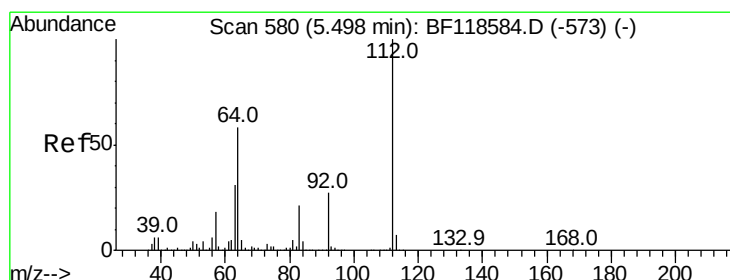
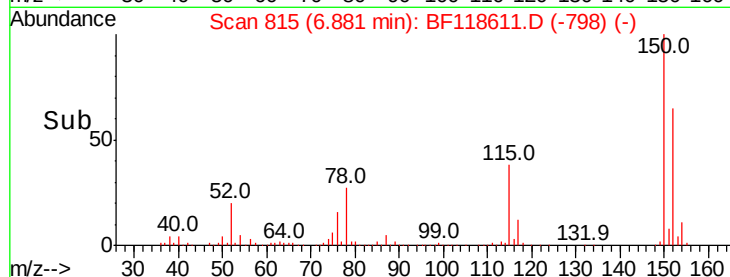
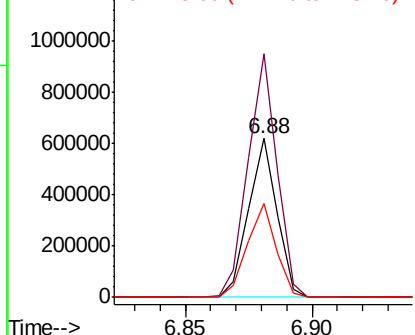
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.88 min Scan# 815  
Delta R.T. 0.00 min  
Lab File: BF118611.D  
Acq: 21 Jan 2020 00:35

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 486651  
Ion Ratio Lower Upper  
152 100  
150 153.1 125.6 188.4  
115 58.6 48.4 72.6



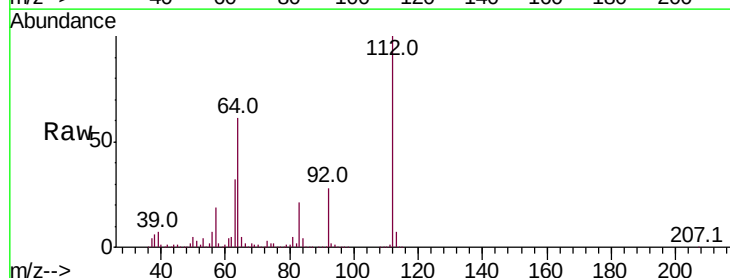
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



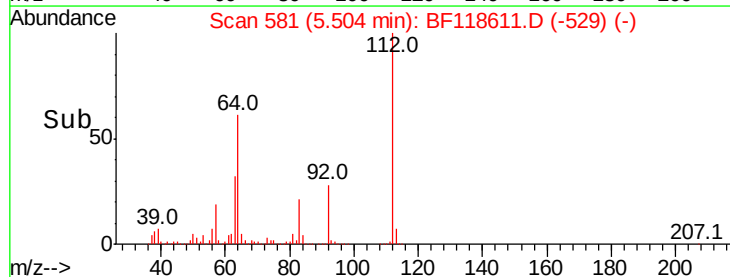
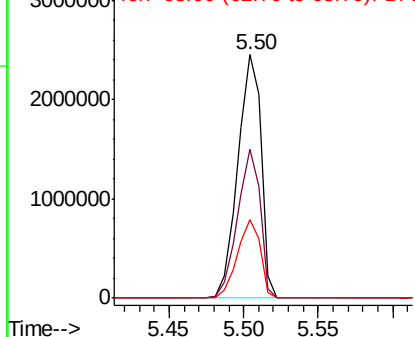
#5

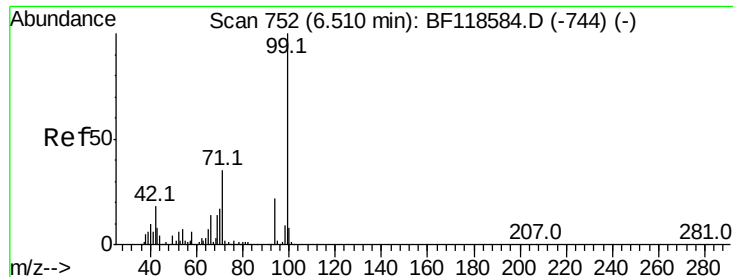
2-Fluorophenol  
Concen: 102.027 ng  
RT: 5.50 min Scan# 581  
Delta R.T. 0.01 min  
Lab File: BF118611.D  
Acq: 21 Jan 2020 00:35

Tgt Ion:112 Resp: 2673396  
Ion Ratio Lower Upper  
112 100  
64 61.0 46.6 70.0  
63 32.5 25.1 37.7



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: 100.711 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF118611.D

Acq: 21 Jan 2020 00:35

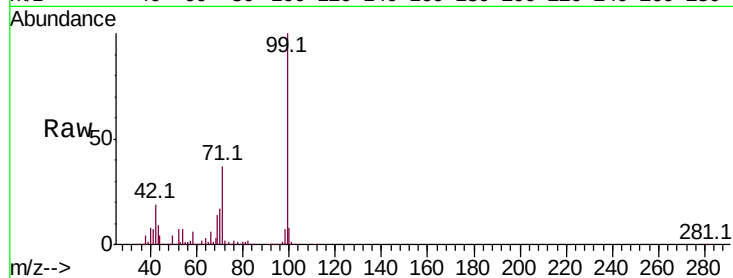
Instrument :

BNA\_F

ClientSampleId :

Tot Ion: 99 Resp: 3429897

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 19.2  | 14.2  | 21.2  |
| 71  | 37.1  | 27.8  | 41.6  |

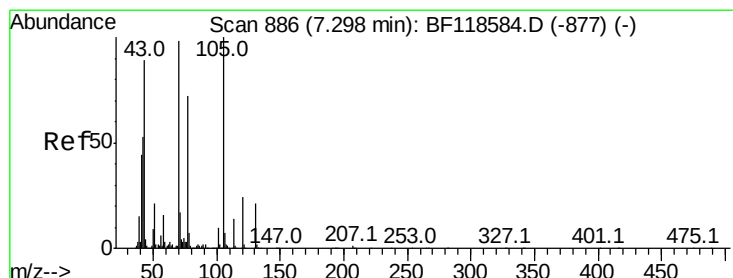
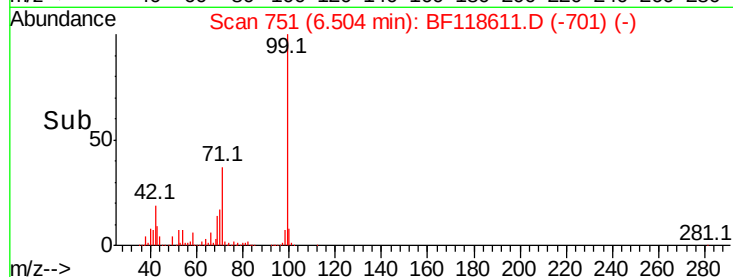
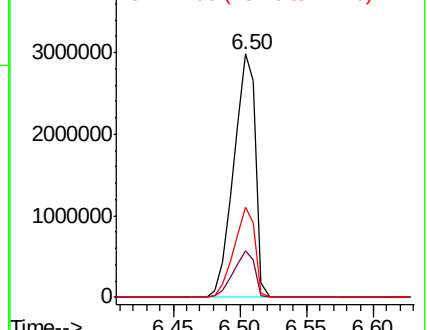


Abundance

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: 12.937 ng

RT: 7.44 min Scan# 910

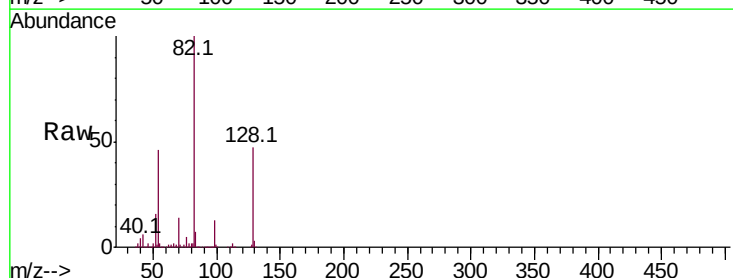
Delta R.T. 0.14 min

Lab File: BF118611.D

Acq: 21 Jan 2020 00:35

Tgt Ion: 70 Resp: 297493

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 43.5  | 43.4  | 65.0  |
| 101 | 0.0   | 8.1   | 12.1# |
| 130 | 2.1   | 17.6  | 26.4# |



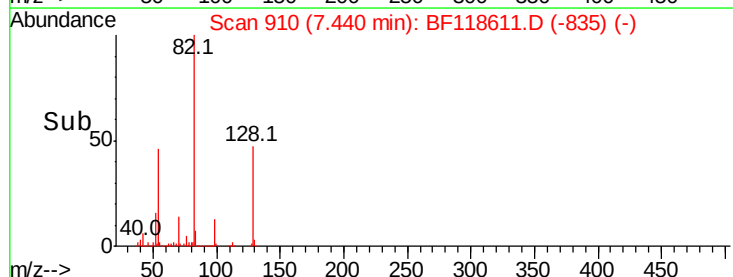
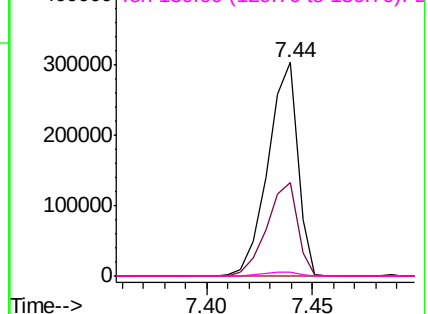
Abundance

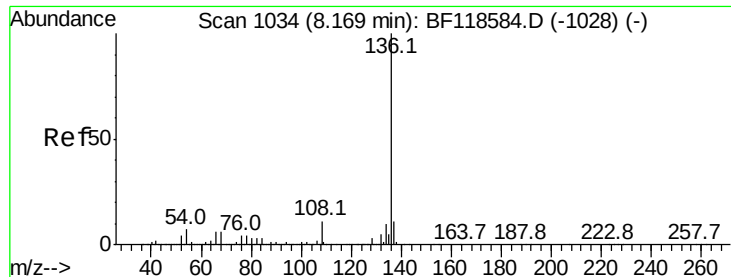
Ion 70.00 (69.70 to 70.70): BF1

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: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF118611.D

Acq: 21 Jan 2020 00:35

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:136 Resp: 1655473

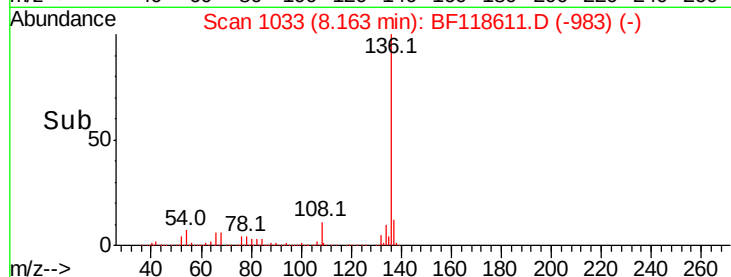
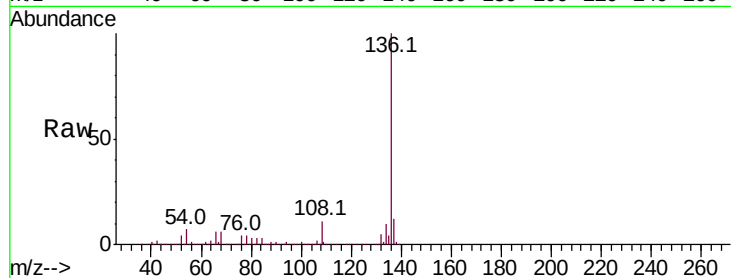
Ion Ratio Lower Upper

136 100

137 11.6 9.1 13.7

54 7.3 5.8 8.6

68 6.2 5.0 7.4

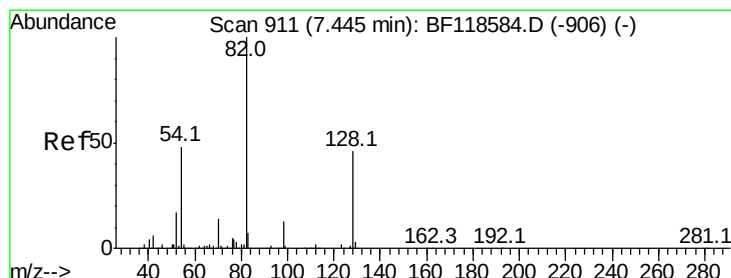
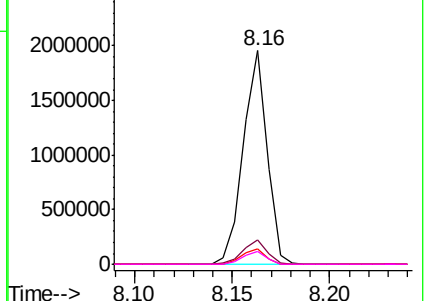


Abundance Ion 136.00 (135.70 to 136.70): E

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: 70.786 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.01 min

Lab File: BF118611.D

Acq: 21 Jan 2020 00:35

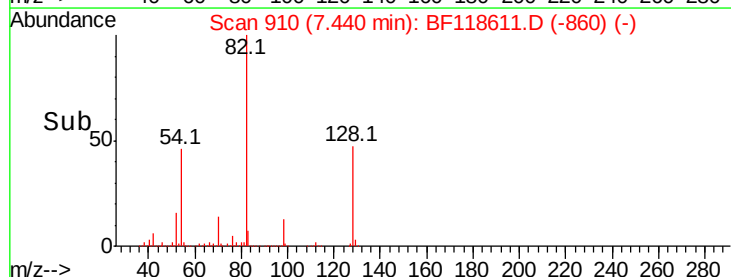
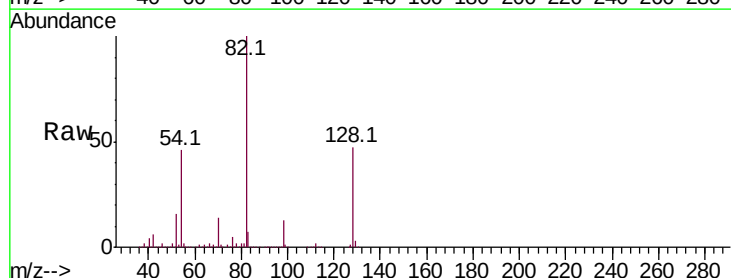
Tgt Ion: 82 Resp: 2095043

Ion Ratio Lower Upper

82 100

128 47.1 36.6 54.8

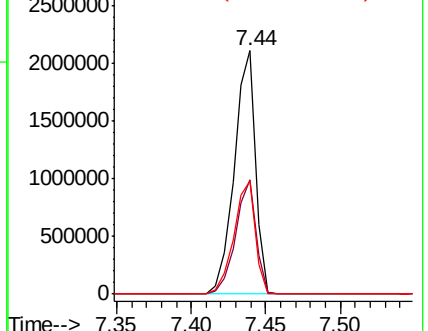
54 46.4 38.0 57.0

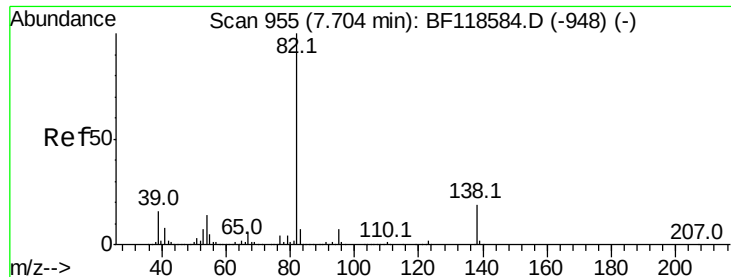


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 38.707 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF118611.D

Acq: 21 Jan 2020 00:35

Instrument :

BNA\_F

ClientSampled :

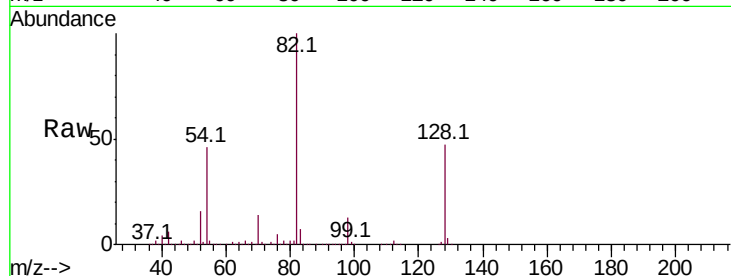
Tot Ion: 82 Resp: 2089540

Ion Ratio Lower Upper

82 100

95 0.0 5.9 8.9#

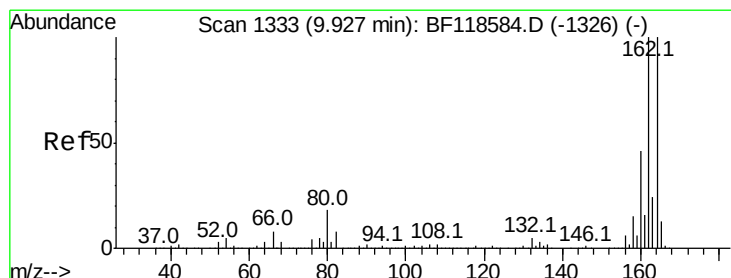
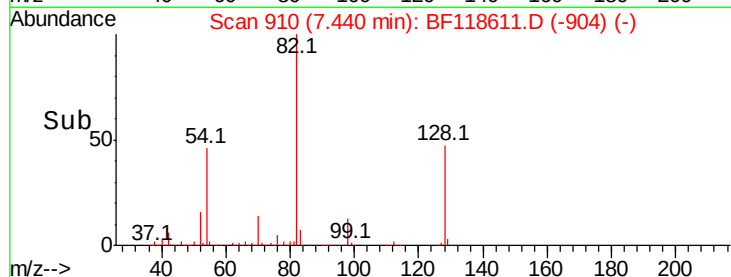
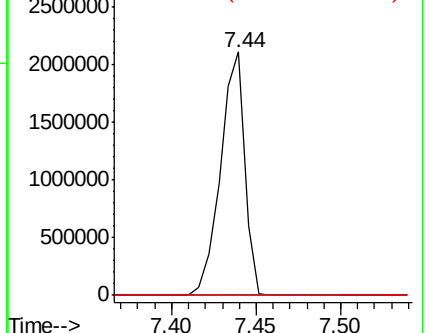
138 0.0 15.3 22.9#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF118611.D

Acq: 21 Jan 2020 00:35

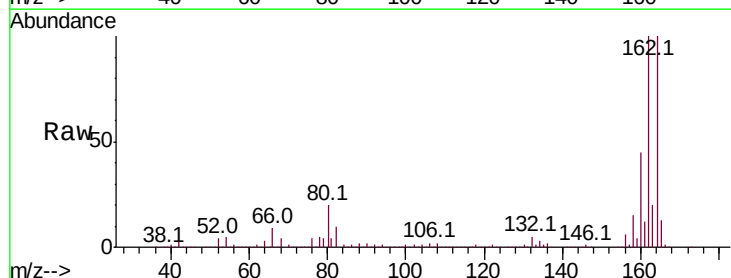
Tgt Ion: 164 Resp: 763695

Ion Ratio Lower Upper

164 100

162 99.7 80.4 120.6

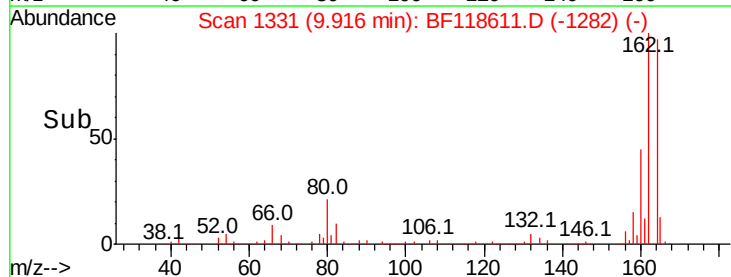
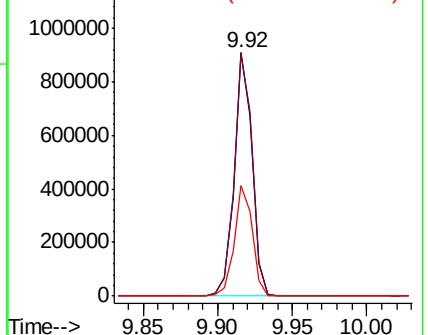
160 45.2 36.6 55.0

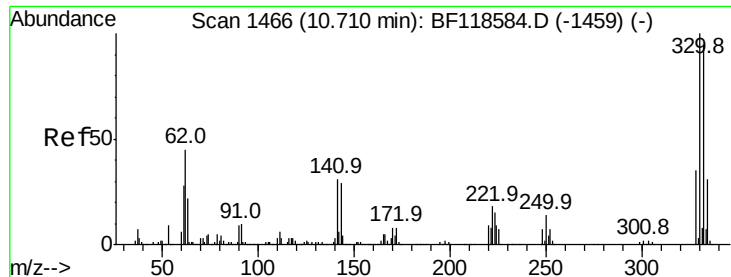


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 87.919 ng

RT: 10.70 min Scan# 1465

Delta R.T. -0.01 min

Lab File: BF118611.D

Acq: 21 Jan 2020 00:35

Instrument :

BNA\_F

ClientSampleId :

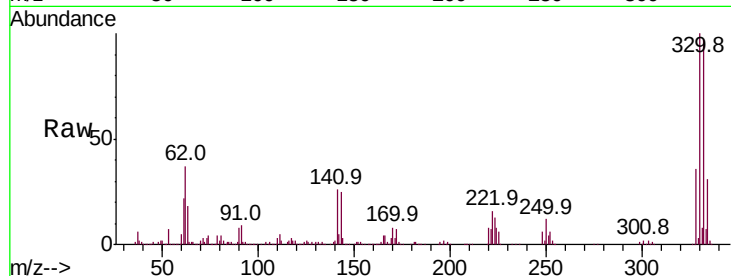
Tot Ion:330 Resp: 776598

Ion Ratio Lower Upper

330 100

332 97.5 76.2 114.4

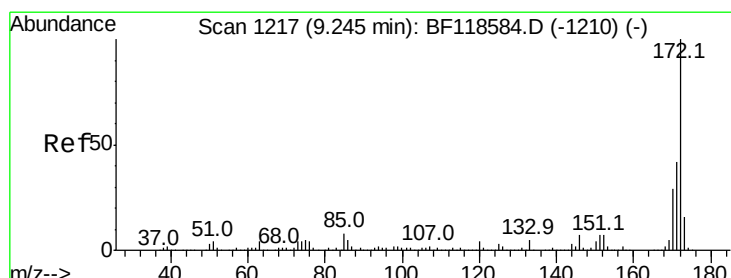
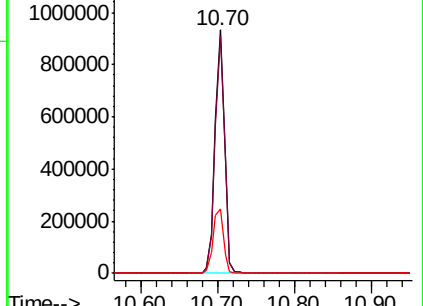
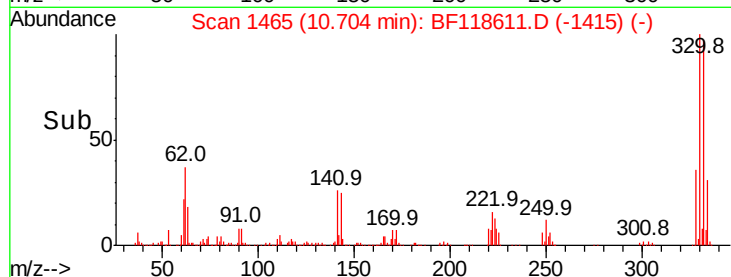
141 29.9 23.9 35.9



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



#45

2-Fluorobiphenyl

Concen: 74.900 ng

RT: 9.24 min Scan# 1216

Delta R.T. -0.01 min

Lab File: BF118611.D

Acq: 21 Jan 2020 00:35

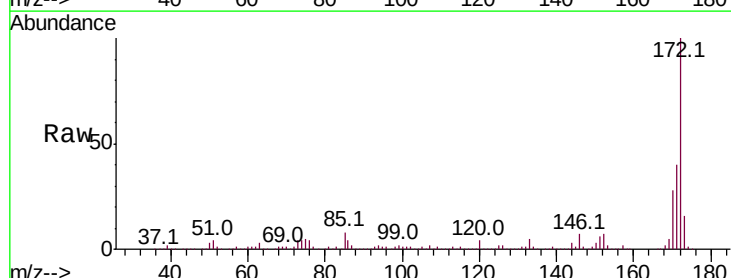
Tgt Ion:172 Resp: 3480169

Ion Ratio Lower Upper

172 100

171 40.2 33.4 50.2

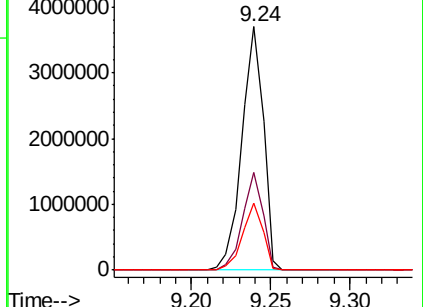
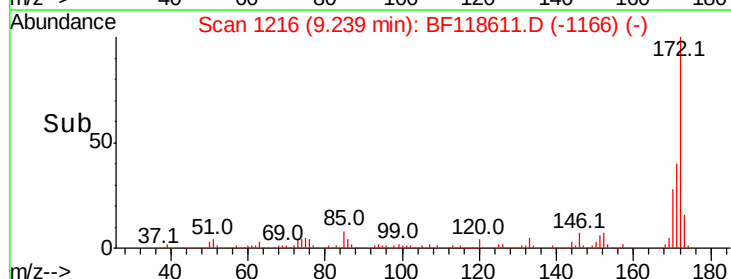
170 27.6 23.2 34.8

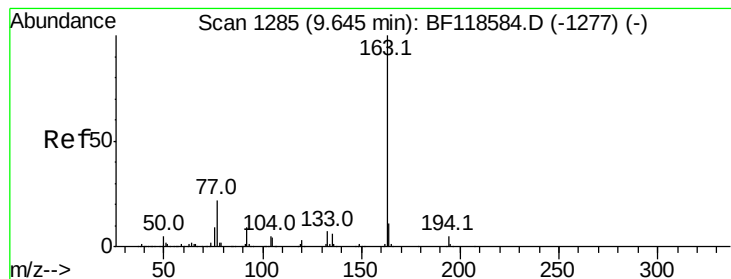


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 4.446 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.02 min

Lab File: BF118611.D

Acq: 21 Jan 2020 00:35

Instrument :

BNA\_F

ClientSampleId :

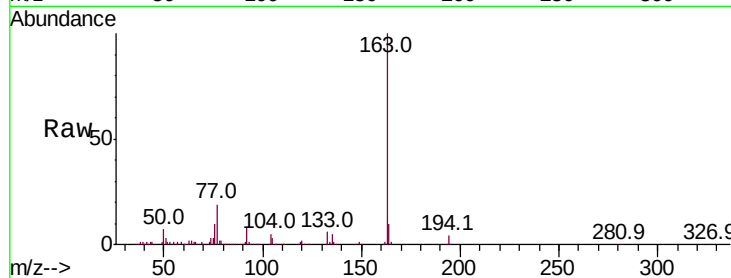
Tot Ion:163 Resp: 221190

Ion Ratio Lower Upper

163 100

194 4.4 3.9 5.9

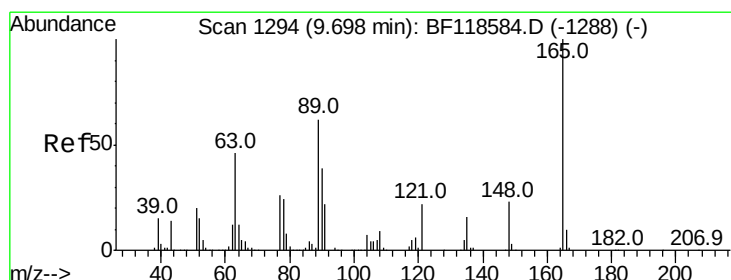
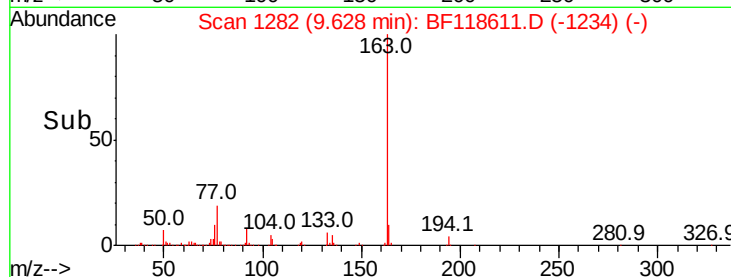
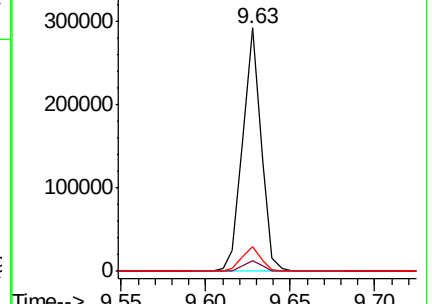
164 10.1 9.1 13.7



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

2,6-Dinitrotoluene

Concen: 8.976 ng

RT: 9.92 min Scan# 1331

Delta R.T. 0.22 min

Lab File: BF118611.D

Acq: 21 Jan 2020 00:35

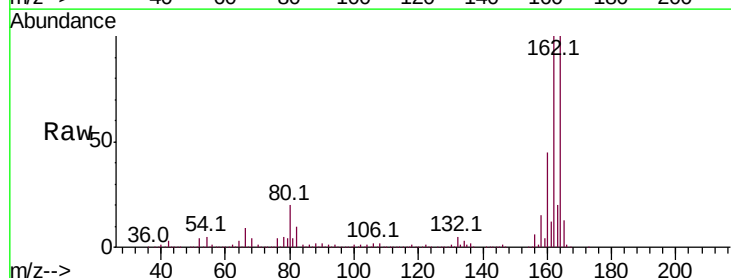
Tgt Ion:165 Resp: 100013

Ion Ratio Lower Upper

165 100

63 1.0 48.9 73.3#

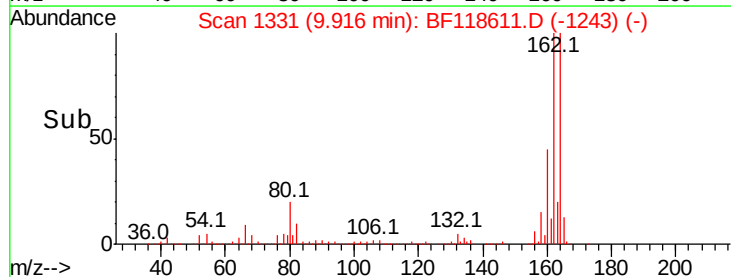
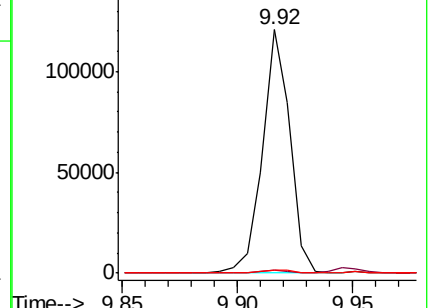
89 1.2 49.8 74.6#



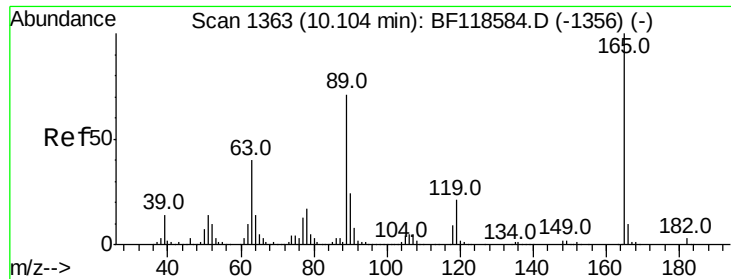
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



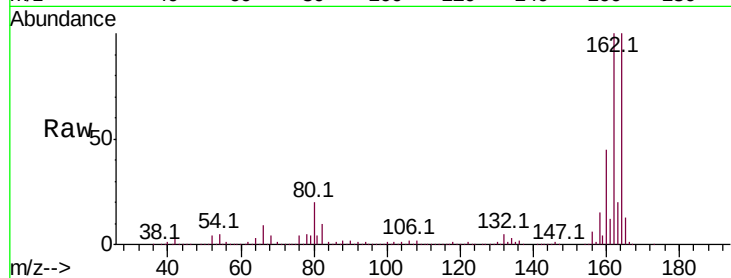




#57  
 2,4-Dinitrotoluene  
 Concen: 7.121 ng  
 RT: 9.92 min Scan# 1331  
 Delta R.T. -0.19 min  
 Lab File: BF118611.D  
 Acq: 21 Jan 2020 00:35

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.0   | 32.4  | 48.6# |
| 89      | 1.2   | 56.4  | 84.6# |
| 182     | 0.0   | 2.3   | 3.5#  |

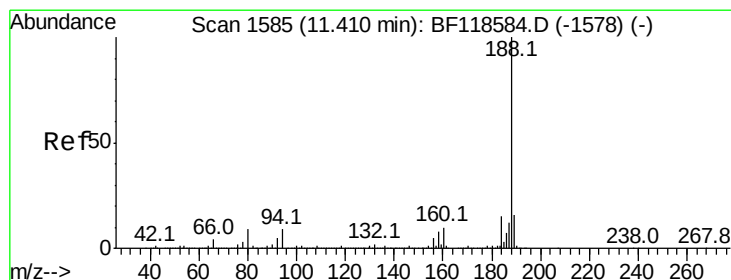
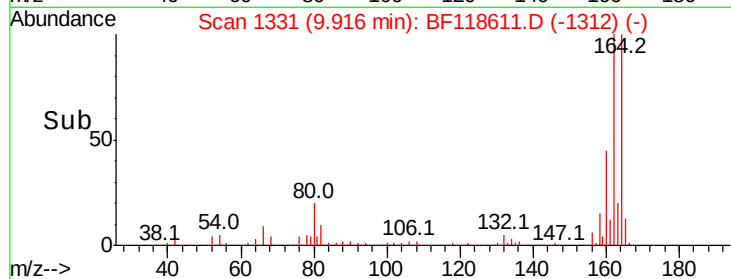
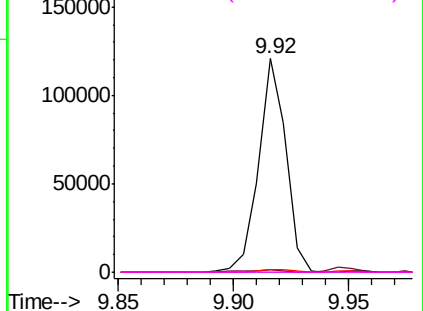


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

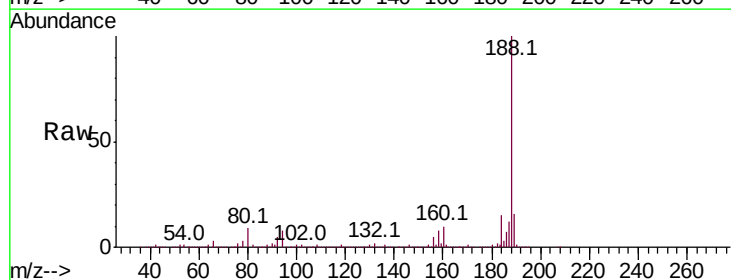
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.40 min Scan# 1584  
 Delta R.T. -0.01 min  
 Lab File: BF118611.D  
 Acq: 21 Jan 2020 00:35

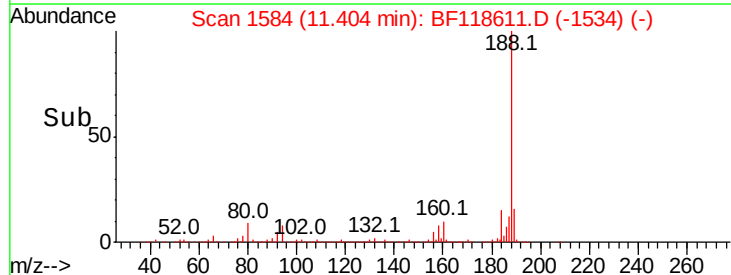
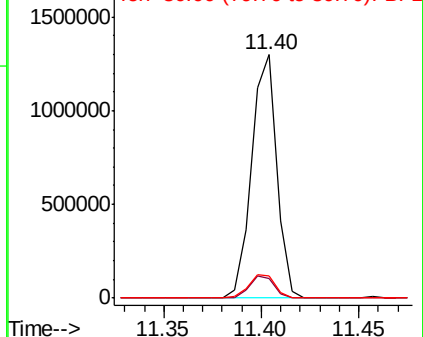
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 8.3   | 7.1   | 10.7  |
| 80      | 9.0   | 7.5   | 11.3  |

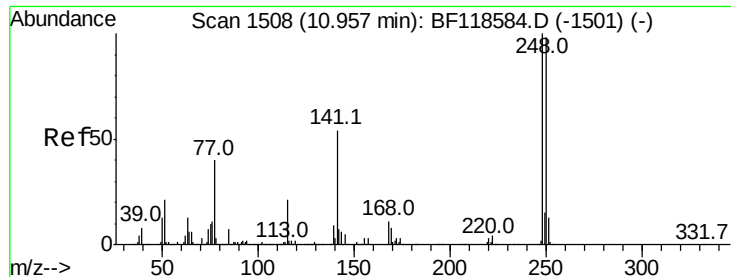


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

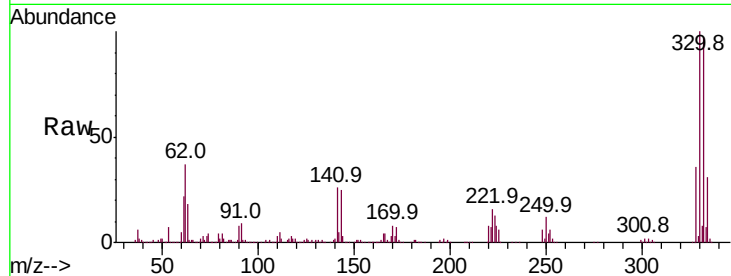




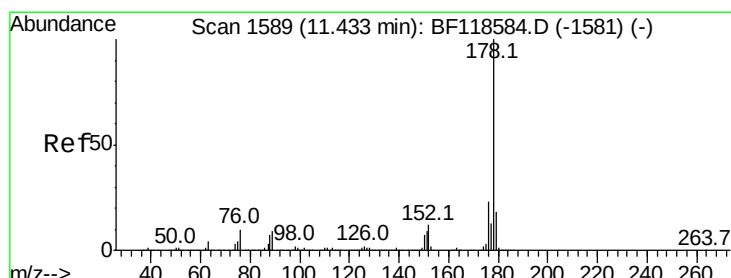
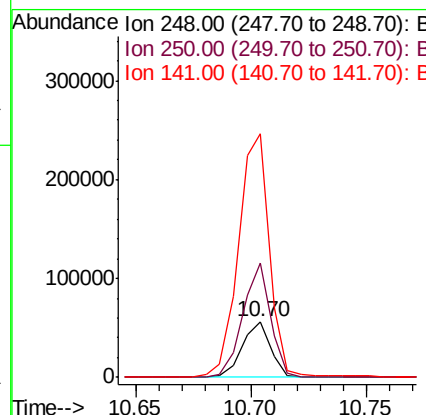
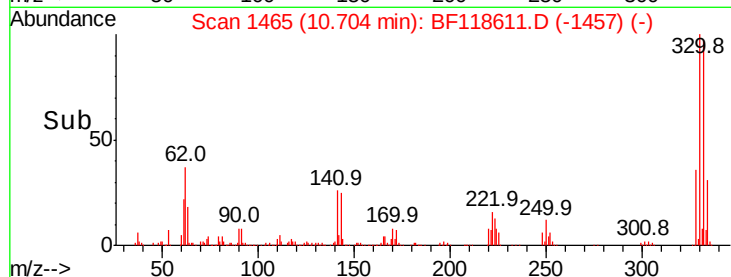
#67  
 4-Bromophenyl-phenylether  
 Concen: 3.373 ng  
 RT: 10.70 min Scan# 1465  
 Delta R.T. -0.25 min  
 Lab File: BF118611.D  
 Acq: 21 Jan 2020 00:35

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:248 Resp: 48387  
 Ion Ratio Lower Upper  
 248 100  
 250 205.8 78.7 118.1#  
 141 437.0 43.2 64.8#

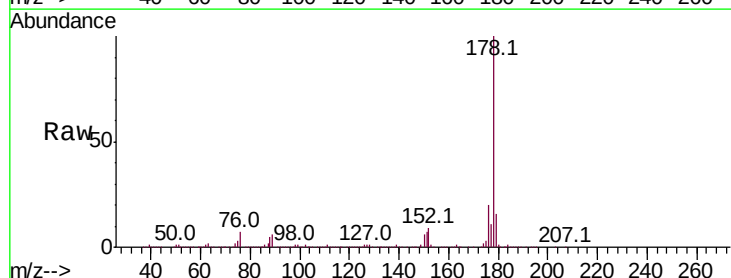


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

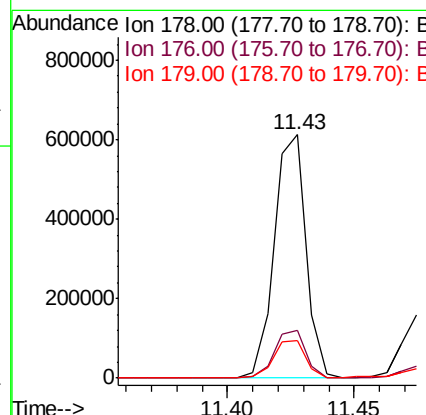
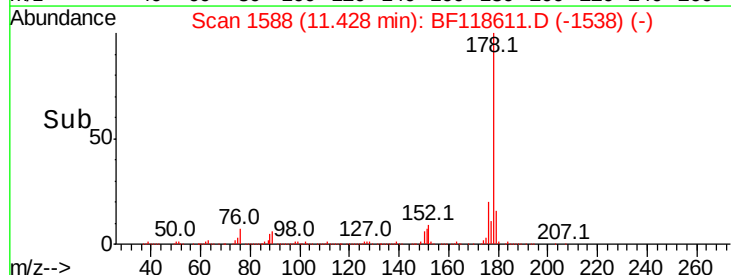


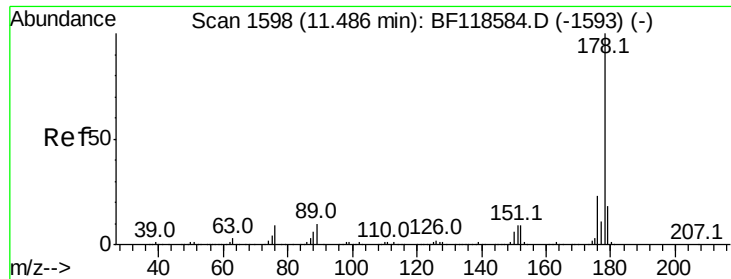
#71  
 Phenanthrene  
 Concen: 9.631 ng  
 RT: 11.43 min Scan# 1588  
 Delta R.T. -0.01 min  
 Lab File: BF118611.D  
 Acq: 21 Jan 2020 00:35

Tgt Ion:178 Resp: 539588  
 Ion Ratio Lower Upper  
 178 100  
 176 19.8 18.6 27.8  
 179 15.6 14.7 22.1



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

Anthracene

Concen: 9.734 ng

RT: 11.43 min Scan# 1588

Delta R.T. -0.06 min

Lab File: BF118611.D

Acq: 21 Jan 2020 00:35

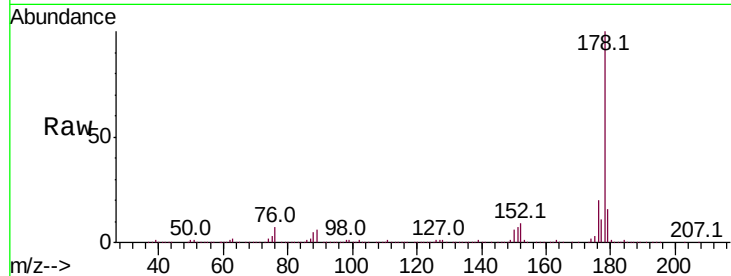
Instrument :

BNA\_F

ClientSampleId :

Tot Ion:178 Resp: 539588

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 176 | 19.8  | 18.0  | 27.0  |
| 179 | 15.6  | 14.7  | 22.1  |

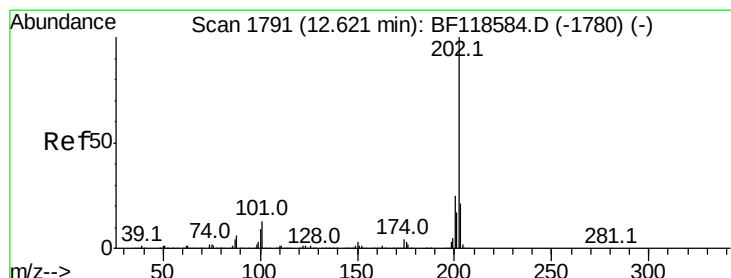
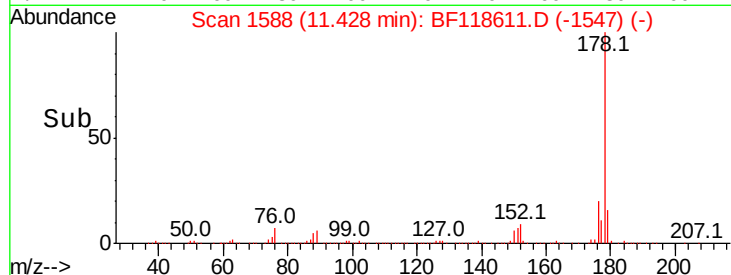
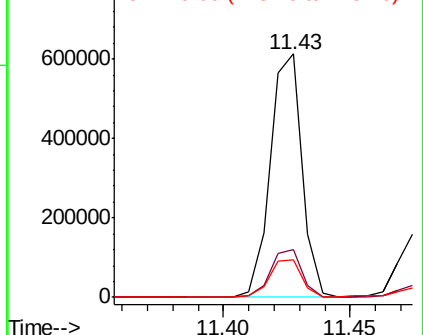


Abundance

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



#75

Fluoranthene

Concen: 12.700 ng

RT: 12.61 min Scan# 1789

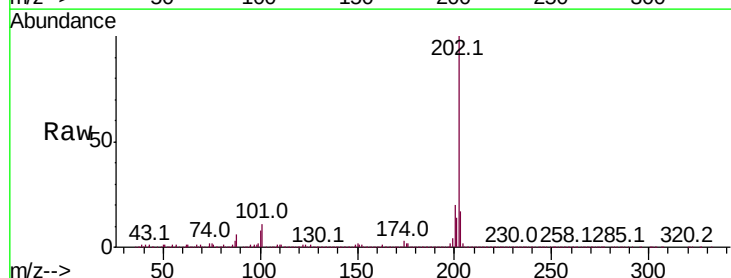
Delta R.T. -0.01 min

Lab File: BF118611.D

Acq: 21 Jan 2020 00:35

Tgt Ion:202 Resp: 750426

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 101 | 11.4  | 0.0   | 32.5  |
| 203 | 17.4  | 0.8   | 40.8  |

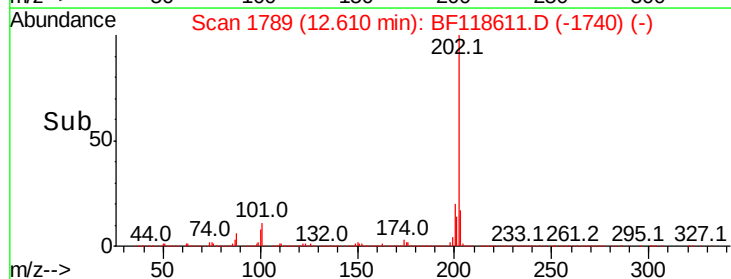
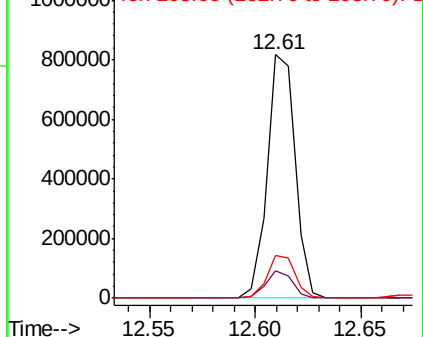


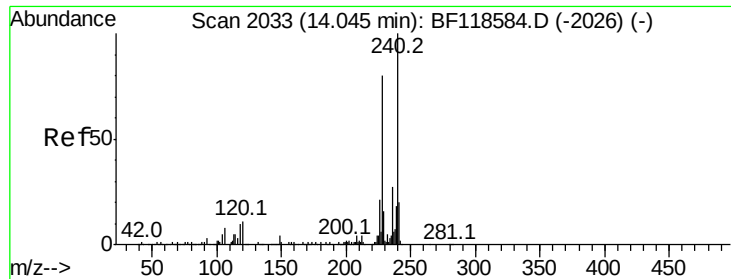
Abundance

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





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF118611.D

Acq: 21 Jan 2020 00:35

Instrument :

BNA\_F

ClientSampleId :

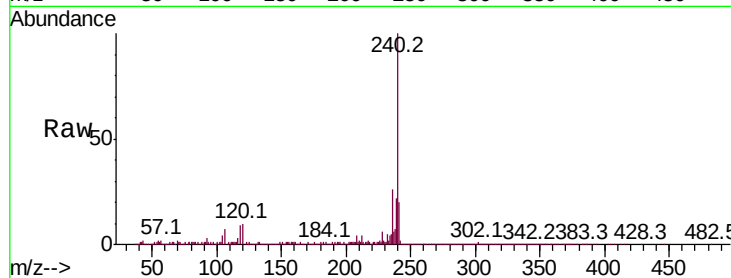
Tot Ion:240 Resp: 1009938

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 240 | 100   |       |       |
| 120 | 9.9   | 8.9   | 13.3  |
| 236 | 26.5  | 21.5  | 32.3  |

240 100

120 9.9 8.9 13.3

236 26.5 21.5 32.3

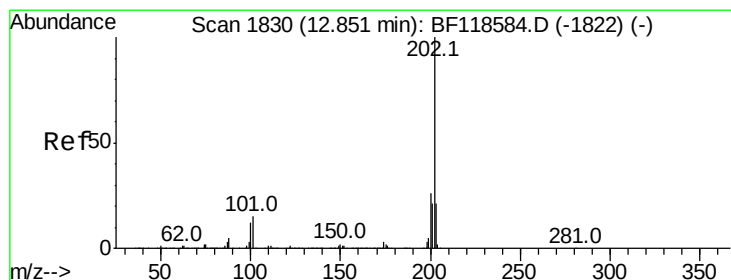
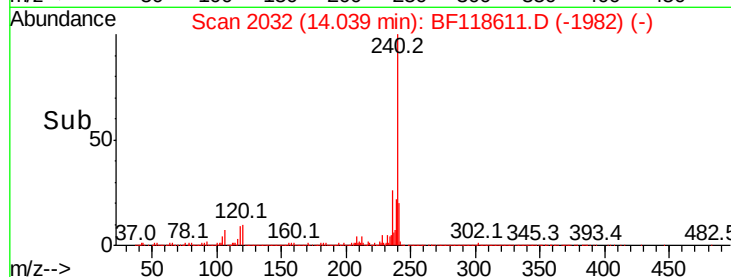
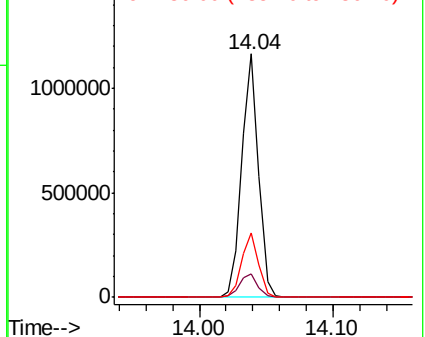


Abundance

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



#78

Pyrene

Concen: 9.062 ng

RT: 12.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF118611.D

Acq: 21 Jan 2020 00:35

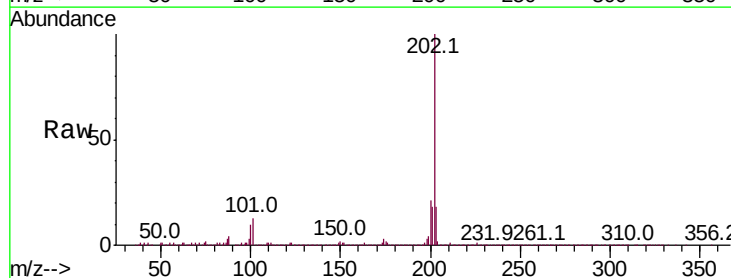
Tgt Ion:202 Resp: 621342

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 200 | 21.4  | 20.6  | 31.0  |
| 203 | 18.4  | 16.8  | 25.2  |

202 100

200 21.4 20.6 31.0

203 18.4 16.8 25.2

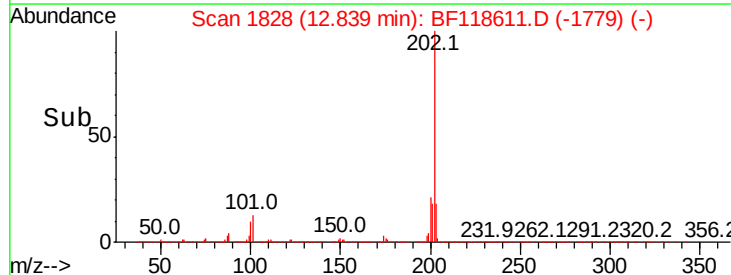
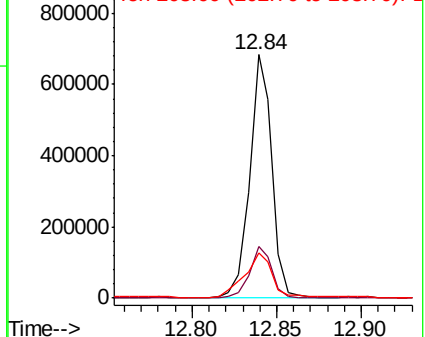


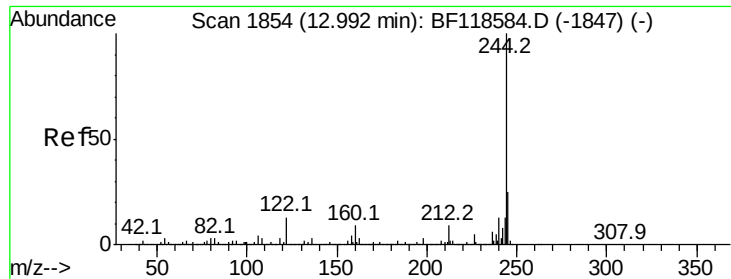
Abundance

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



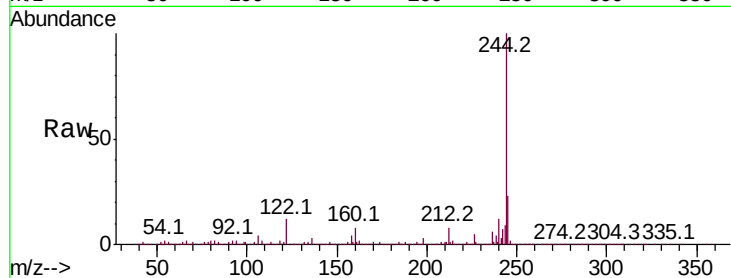


#79  
 Terphenyl-d14  
 Concen: 69.276 ng  
 RT: 12.99 min Scan# 1853  
 Delta R.T. -0.01 min  
 Lab File: BF118611.D  
 Acq: 21 Jan 2020 00:35

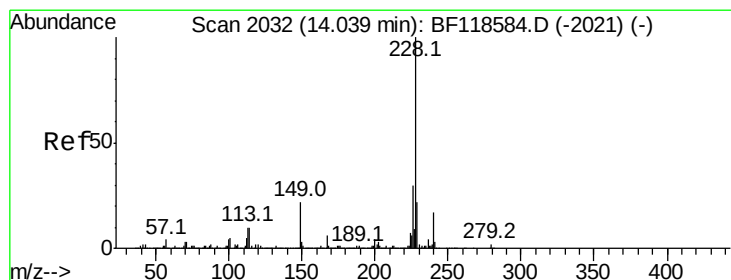
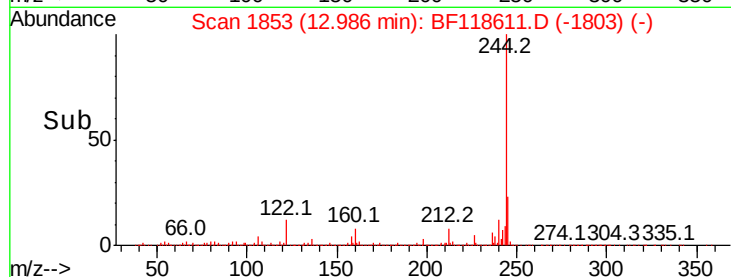
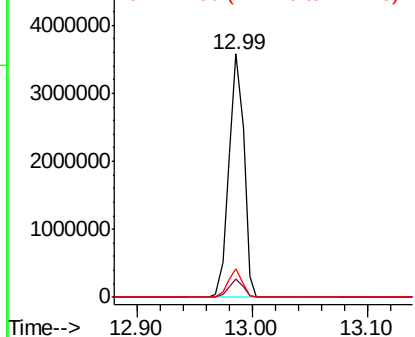
Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:244 Resp: 3207791  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 7.7   | 7.0   | 10.4  |
| 122 | 11.8  | 10.7  | 16.1  |



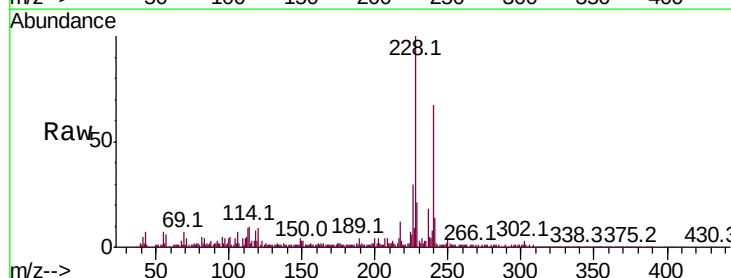
Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E



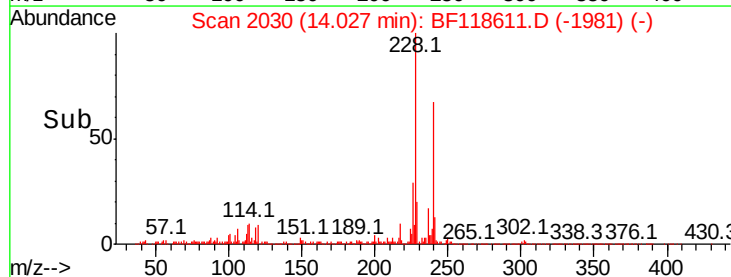
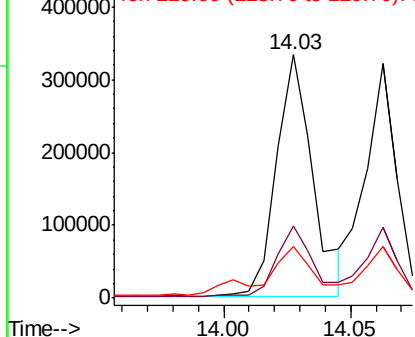
#81  
 Benzo(a)anthracene  
 Concen: 5.500 ng  
 RT: 14.03 min Scan# 2030  
 Delta R.T. -0.01 min  
 Lab File: BF118611.D  
 Acq: 21 Jan 2020 00:35

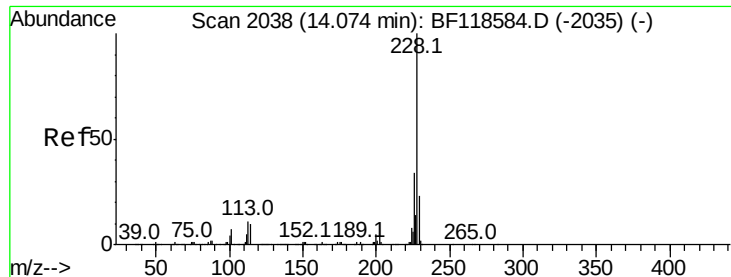
Tgt Ion:228 Resp: 334172  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 29.8  | 24.1  | 36.1  |
| 229 | 21.4  | 17.6  | 26.4  |



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





#83

Chrysene

Concen: 4.766 ng

RT: 14.06 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BF118611.D

Acq: 21 Jan 2020 00:35

Instrument :

BNA\_F

ClientSampleId :

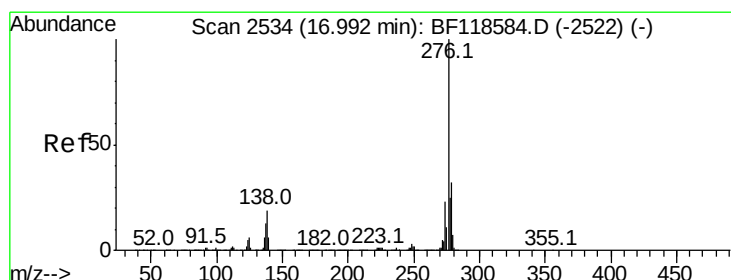
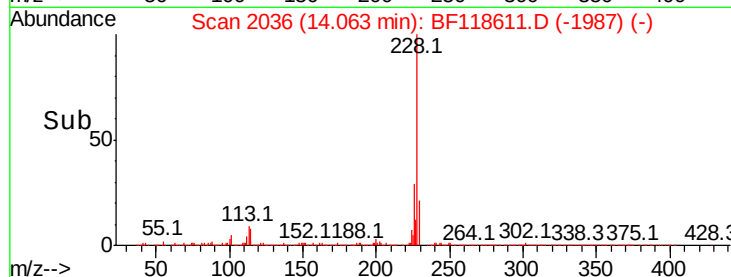
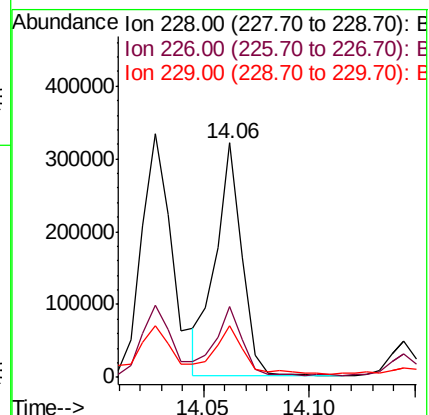
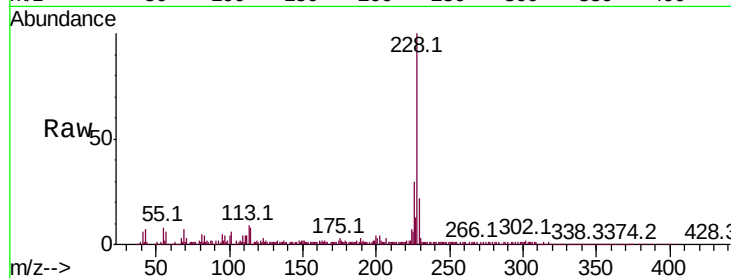
Tot Ion:228 Resp: 277480

Ion Ratio Lower Upper

228 100

226 30.1 27.4 41.0

229 22.2 18.3 27.5



#86

Indeno(1,2,3-cd)pyrene

Concen: 2.782 ng

RT: 16.98 min Scan# 2532

Delta R.T. -0.01 min

Lab File: BF118611.D

Acq: 21 Jan 2020 00:35

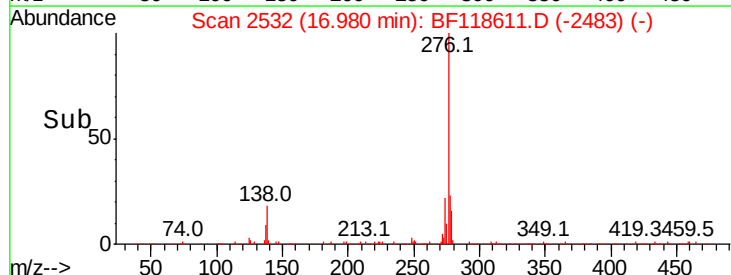
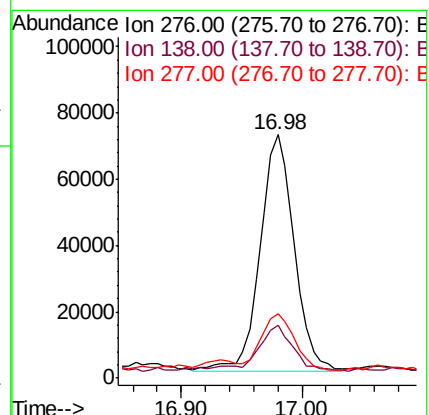
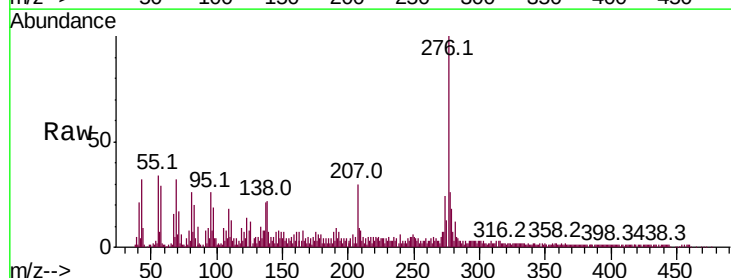
Tgt Ion:276 Resp: 140726

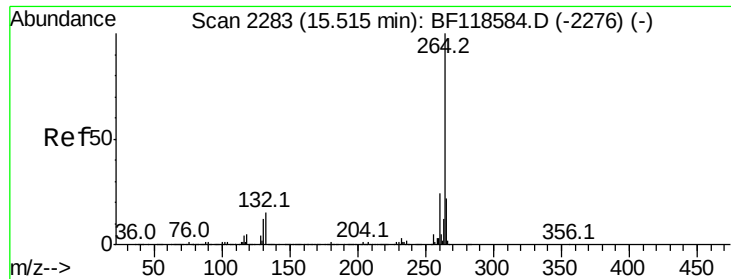
Ion Ratio Lower Upper

276 100

138 19.1 17.2 25.8

277 23.2 20.5 30.7





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.51 min Scan# 2282

Delta R.T. -0.01 min

Lab File: BF118611.D

Acq: 21 Jan 2020 00:35

Instrument :

BNA\_F

ClientSampleId :

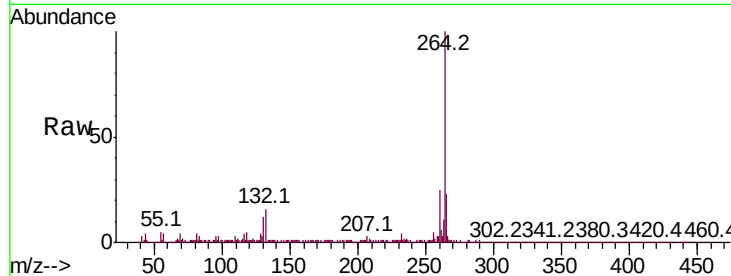
Tot Ion:264 Resp: 961099

Ion Ratio Lower Upper

264 100

260 25.4 19.6 29.4

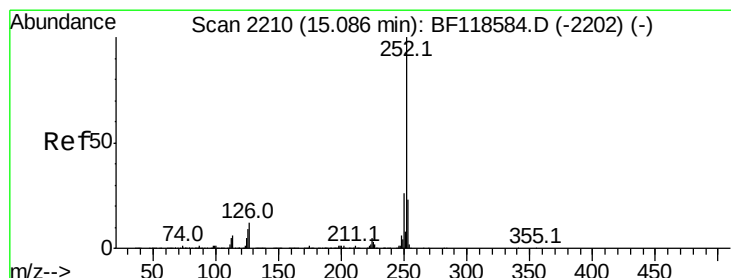
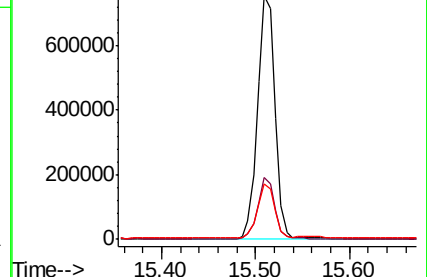
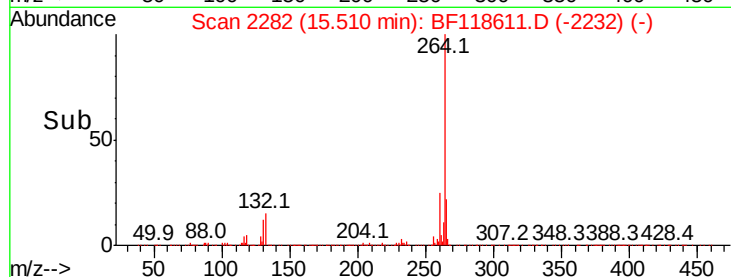
265 22.8 17.7 26.5



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



#88

Benzo(b)fluoranthene

Concen: 7.757 ng

RT: 15.08 min Scan# 2209

Delta R.T. -0.01 min

Lab File: BF118611.D

Acq: 21 Jan 2020 00:35

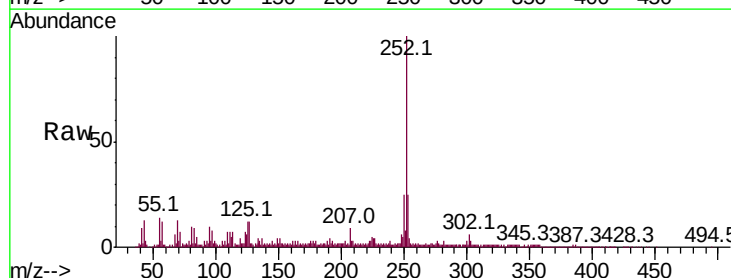
Tgt Ion:252 Resp: 468589

Ion Ratio Lower Upper

252 100

253 25.0 18.7 28.1

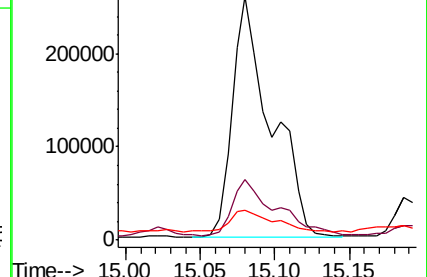
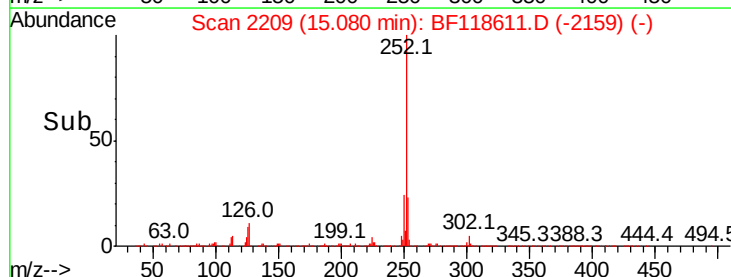
125 12.4 7.3 10.9#

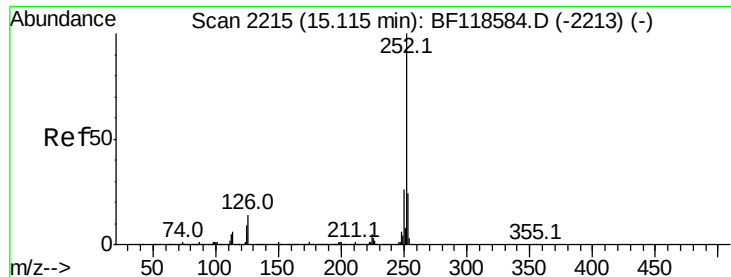


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

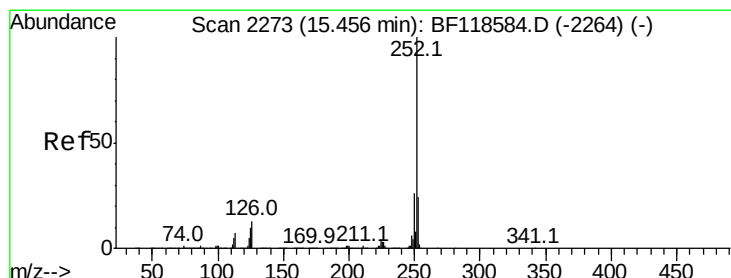
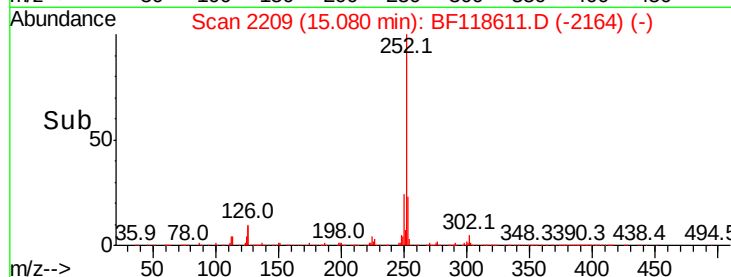
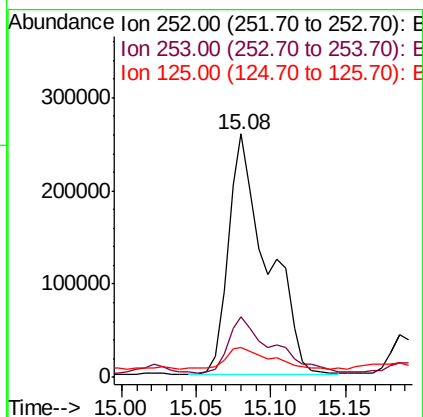
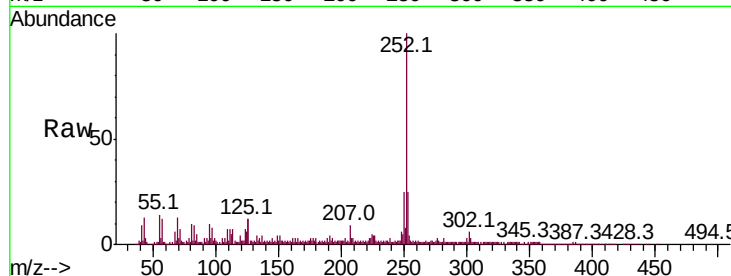




#89  
Benzo(k)fluoranthene  
Concen: 8.372 ng  
RT: 15.08 min Scan# 2209  
Delta R.T. -0.04 min  
Lab File: BF118611.D  
Acq: 21 Jan 2020 00:35

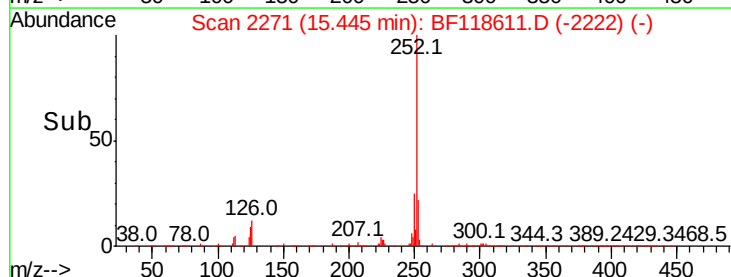
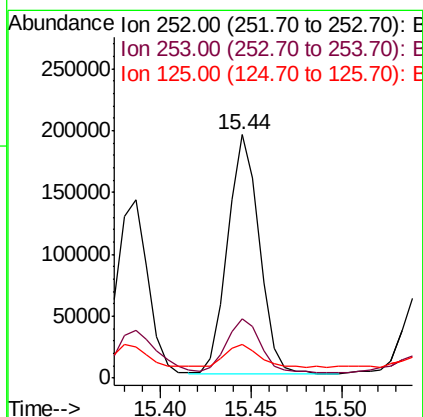
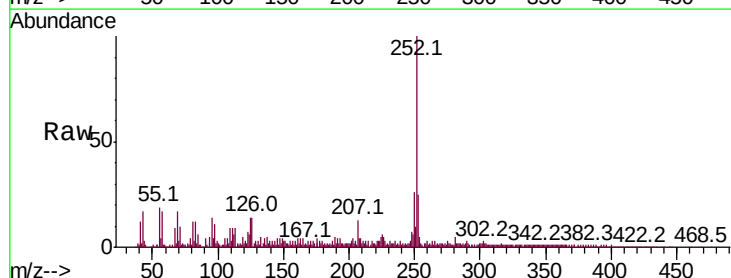
Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 25.0  | 19.0  | 28.4  |
| 125     | 12.4  | 7.6   | 11.4  |

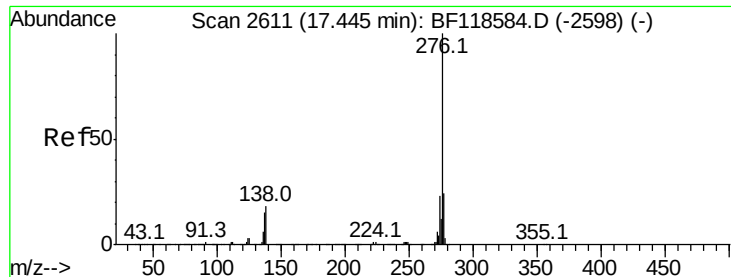


#90  
Benzo(a)pyrene  
Concen: 4.508 ng  
RT: 15.44 min Scan# 2271  
Delta R.T. -0.01 min  
Lab File: BF118611.D  
Acq: 21 Jan 2020 00:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.6  | 18.8  | 28.2  |
| 125     | 14.1  | 7.8   | 11.6  |



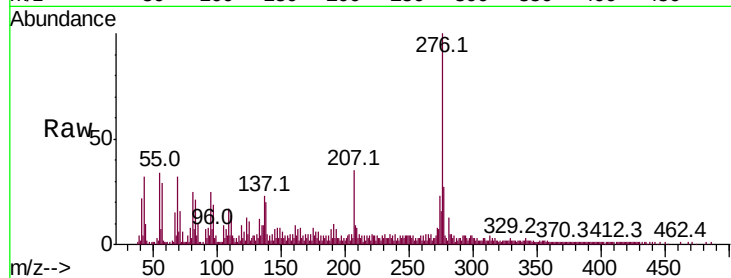




#92  
 Benzo(a,h,i)perylene  
 Concen: 2.944 ng  
 RT: 17.42 min Scan# 2607  
 Delta R.T. -0.02 min  
 Lab File: BF118611.D  
 Acq: 21 Jan 2020 00:35

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 26.9  | 18.9  | 28.3  |
| 138     | 20.4  | 14.4  | 21.6  |



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

