

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012020\  
 Data File : BF118623.D  
 Acq On : 21 Jan 2020 7:35  
 Operator : CG/JU  
 Sample : L1148-18  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jan 21 08:06:21 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 | 6.89  | 152  | 450500   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.16  | 136  | 1544687  | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.92  | 164  | 736560   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.41 | 188  | 1107022  | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 14.04 | 240  | 849786   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.53 | 264  | 752879   | 20.00 | ng    | 0.01     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.52  | 112 | 2838761 | 117.03 | ng | 0.02 |
| 7) Phenol-d6             | 6.52  | 99  | 3642732 | 115.54 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.45  | 82  | 2257829 | 81.76  | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.71 | 330 | 895641  | 105.13 | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 9.25  | 172 | 3776188 | 84.26  | ng | 0.00 |
| 79) Terphenyl-d14        | 12.99 | 244 | 3504017 | 89.94  | ng | 0.00 |

## Target Compounds

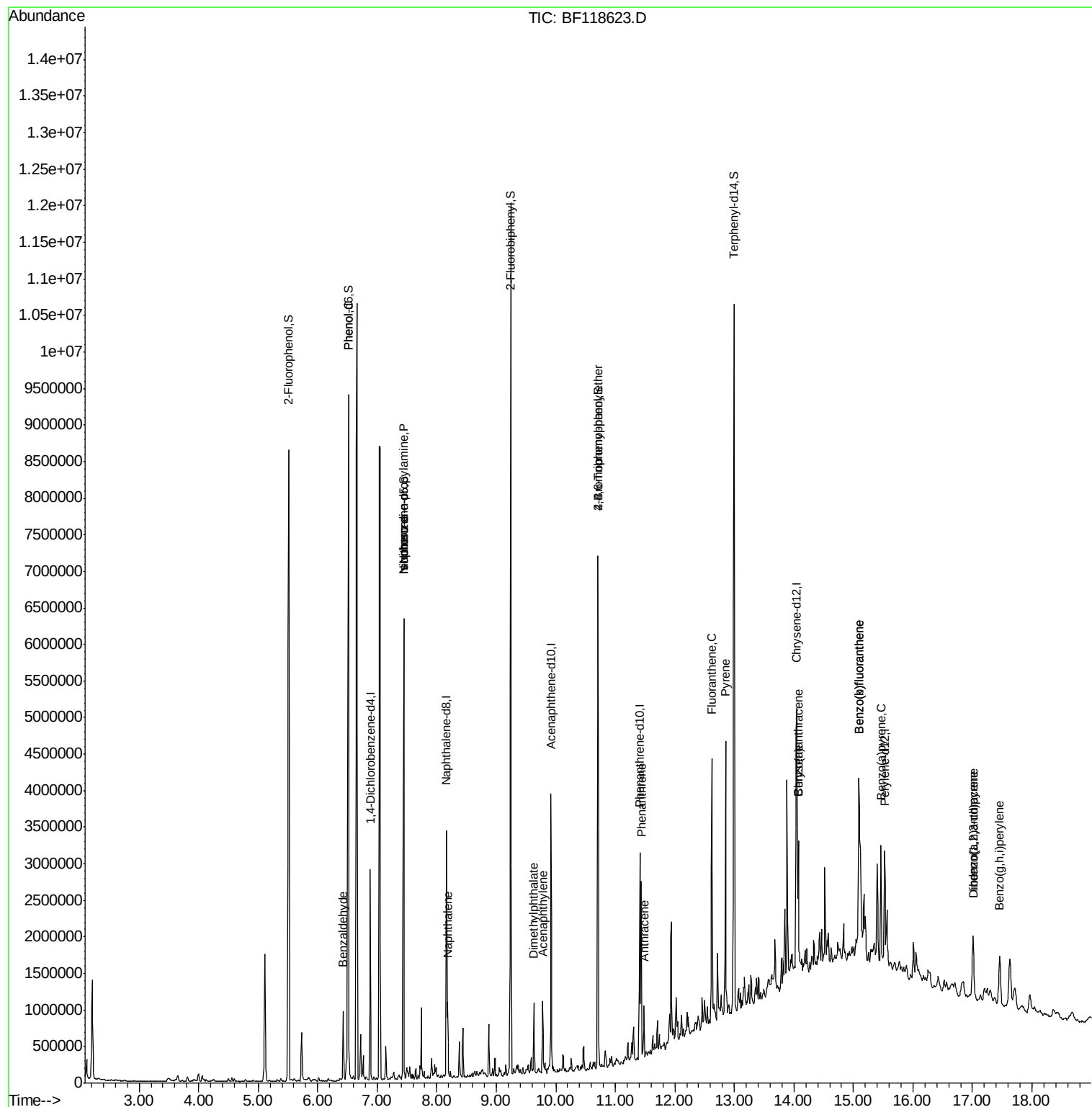
|                                |       |     |         |        |    | Qvalue |
|--------------------------------|-------|-----|---------|--------|----|--------|
| 9) Benzaldehyde                | 6.43  | 77  | 178138  | 9.291  | ng | 98     |
| 10) Phenol                     | 6.52  | 94  | 89332   | 2.486  | ng | # 59   |
| 19) n-Nitroso-di-n-propylamine | 7.45  | 70  | 318882  | 14.980 | ng | # 76   |
| 25) Isophorone                 | 7.45  | 82  | 2252045 | 44.709 | ng | # 64   |
| 31) Naphthalene                | 8.19  | 128 | 384403  | 5.509  | ng | 96     |
| 49) Acenaphthylene             | 9.78  | 152 | 373524  | 6.205  | ng | 94     |
| 50) Dimethylphthalate          | 9.63  | 163 | 381822  | 7.957  | ng | 97     |
| 67) 4-Bromophenyl-phenylether  | 10.71 | 248 | 56582   | 4.137  | ng | # 1    |
| 71) Phenanthrene               | 11.43 | 178 | 918581  | 17.199 | ng | 93     |
| 72) Anthracene                 | 11.48 | 178 | 242564  | 4.590  | ng | 93     |
| 75) Fluoranthene               | 12.62 | 202 | 1322908 | 23.485 | ng | 96     |
| 78) Pyrene                     | 12.85 | 202 | 1407904 | 24.403 | ng | 94     |
| 81) Benzo(a)anthracene         | 14.07 | 228 | 842083  | 16.473 | ng | 99     |
| 83) Chrysene                   | 14.07 | 228 | 842083  | 17.188 | ng | 96     |
| 86) Indeno(1,2,3-cd)pyrene     | 17.01 | 276 | 615497  | 14.459 | ng | 97     |
| 88) Benzo(b)fluoranthene       | 15.10 | 252 | 1694704 | 35.811 | ng | # 98   |
| 89) Benzo(k)fluoranthene       | 15.10 | 252 | 1694704 | 38.653 | ng | 98     |
| 90) Benzo(a)pyrene             | 15.46 | 252 | 719030  | 17.613 | ng | 98     |
| 91) Dibenzo(a,h)anthracene     | 17.02 | 278 | 138367  | 3.832  | ng | # 94   |
| 92) Benzo(a,h,i)perylene       | 17.46 | 276 | 602285  | 17.178 | ng | 97     |

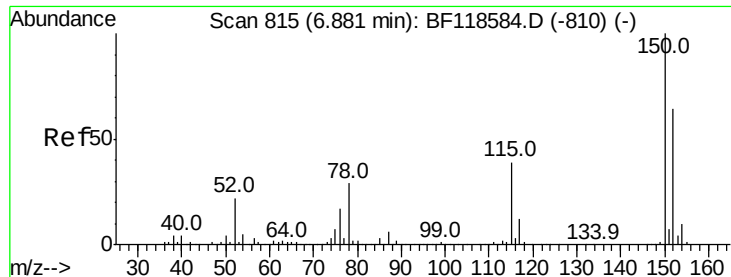
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012020\  
Data File : BF118623.D  
Acq On : 21 Jan 2020 7:35  
Operator : CG/JU  
Sample : L1148-18  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :

Quant Time: Jan 21 08:06:21 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



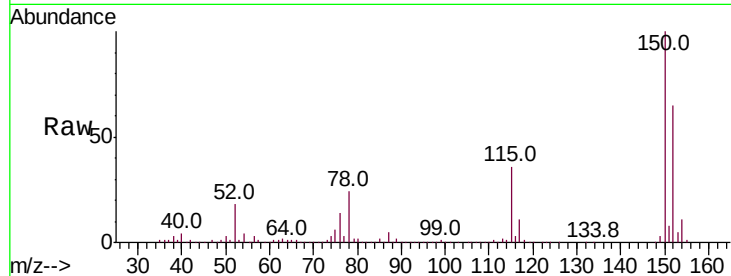


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.89 min Scan# 816  
Delta R.T. 0.01 min  
Lab File: BF118623.D  
Acq: 21 Jan 2020 7:35

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 152.8 | 125.6 | 188.4 |
| 115     | 54.8  | 48.4  | 72.6  |

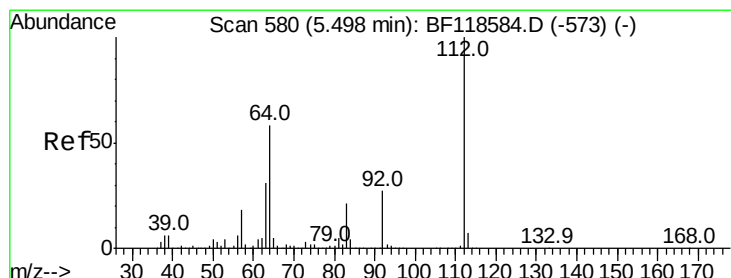
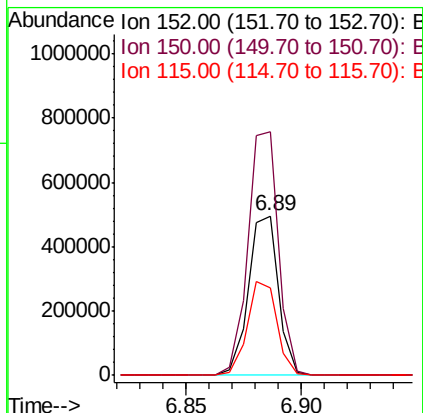
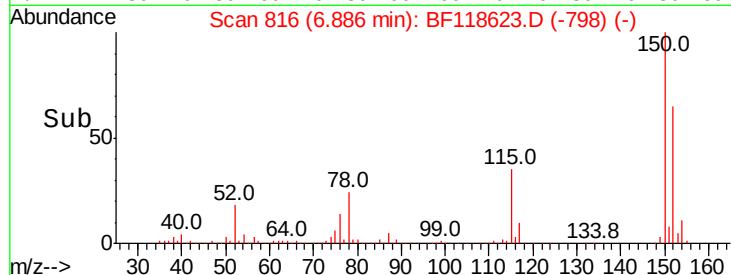


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

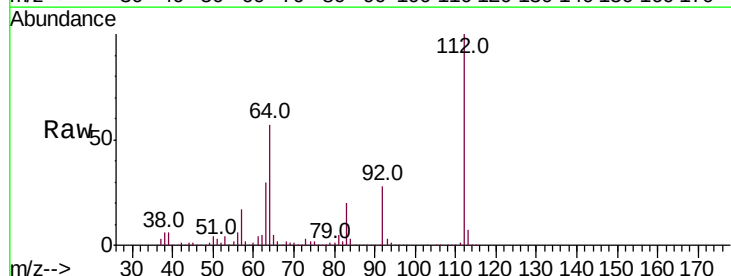
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 117.032 ng  
RT: 5.52 min Scan# 583  
Delta R.T. 0.02 min  
Lab File: BF118623.D  
Acq: 21 Jan 2020 7:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 57.3  | 46.6  | 70.0  |
| 63      | 30.3  | 25.1  | 37.7  |

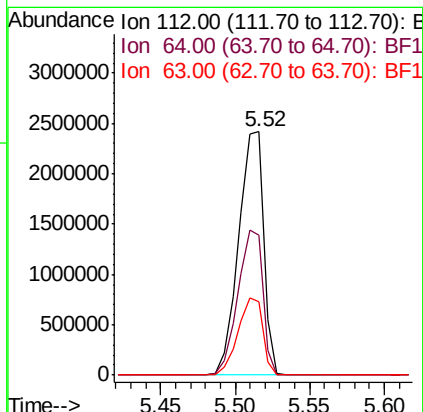
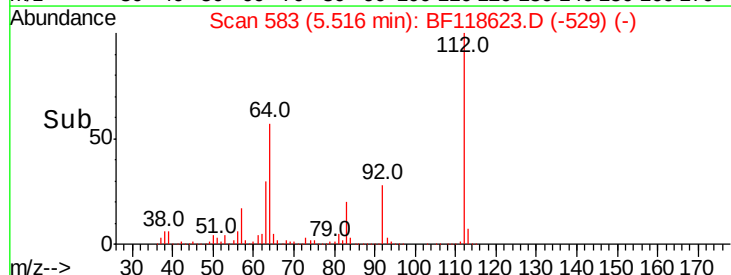


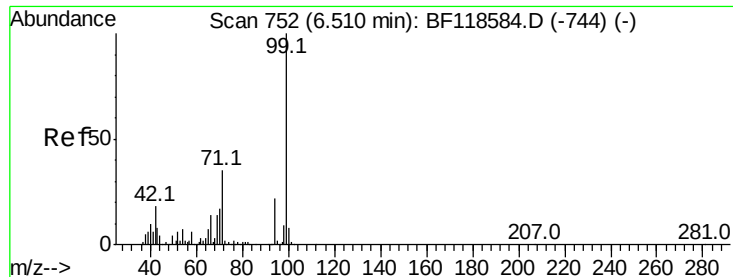
Abundance

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: 115.544 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF118623.D

Acq: 21 Jan 2020 7:35

Instrument :

BNA\_F

ClientSampleId :

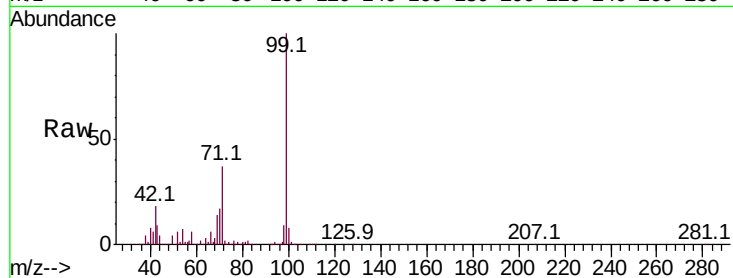
Tot Ion: 99 Resp: 3642732

Ion Ratio Lower Upper

99 100

42 18.4 14.2 21.2

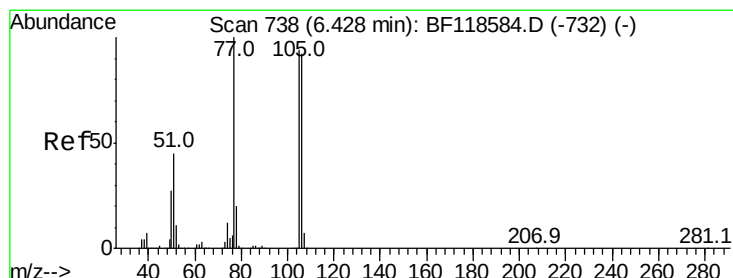
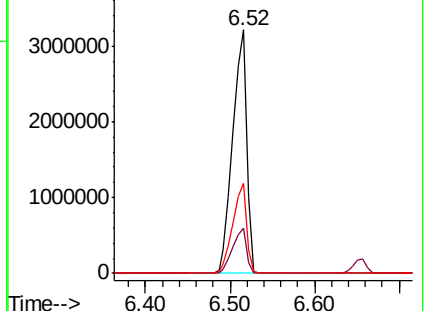
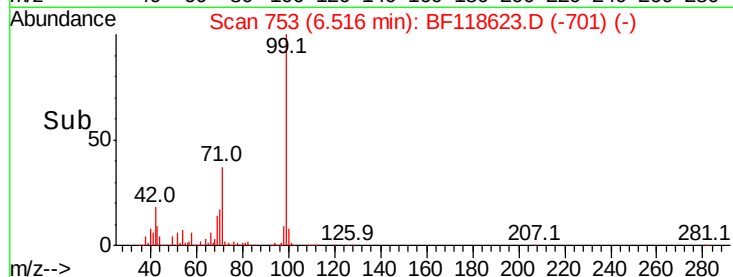
71 36.8 27.8 41.6



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



#9

Benzaldehyde

Concen: 9.291 ng

RT: 6.43 min Scan# 738

Delta R.T. 0.00 min

Lab File: BF118623.D

Acq: 21 Jan 2020 7:35

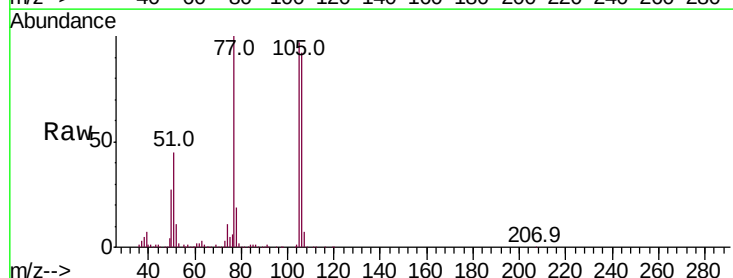
Tgt Ion: 77 Resp: 178138

Ion Ratio Lower Upper

77 100

105 97.1 73.5 113.5

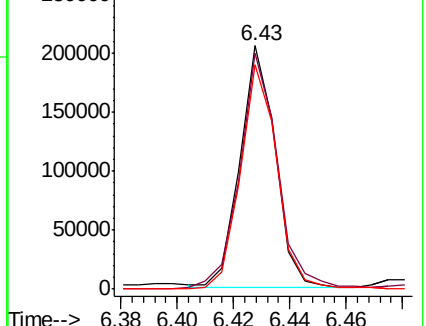
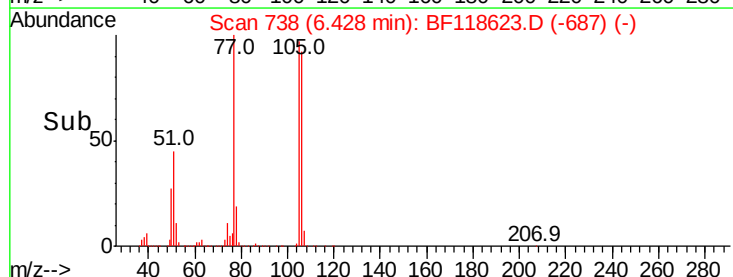
106 92.3 71.9 111.9

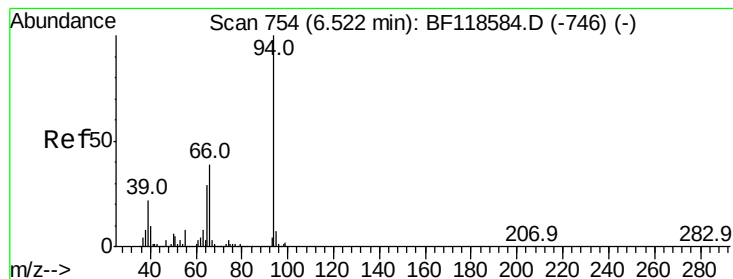


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 2.486 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.00 min

Lab File: BF118623.D

Acq: 21 Jan 2020 7:35

Instrument :

BNA\_F

ClientSampleId :

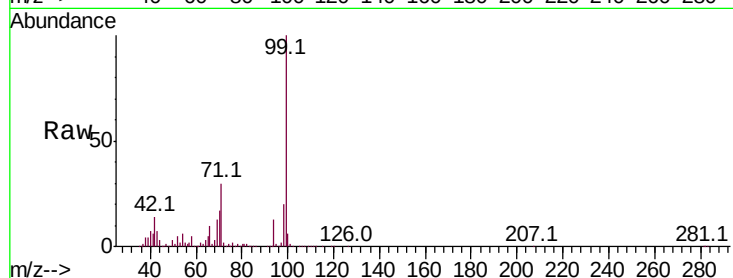
Tot Ion: 94 Resp: 89332

Ion Ratio Lower Upper

94 100

65 38.1 9.5 49.5

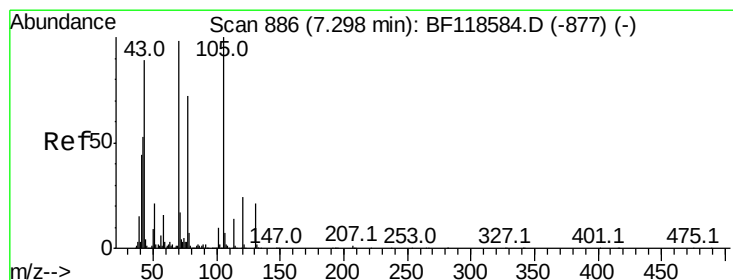
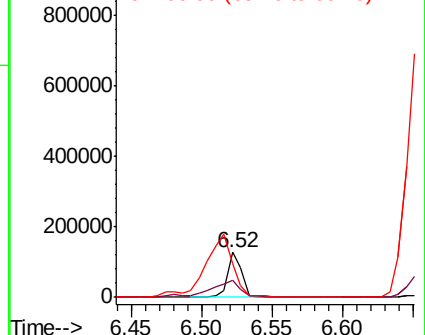
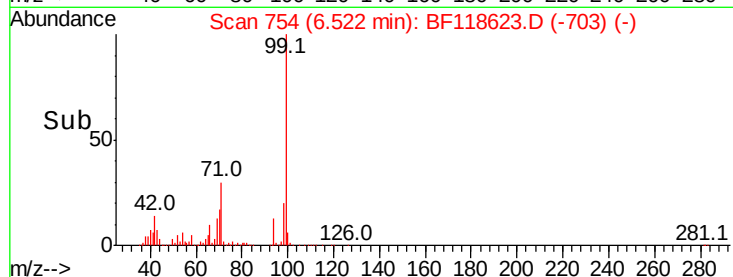
66 75.3 18.5 58.5#



Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 14.980 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.15 min

Lab File: BF118623.D

Acq: 21 Jan 2020 7:35

Tgt Ion: 70 Resp: 318882

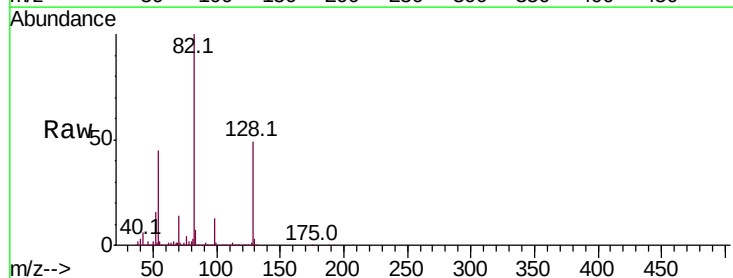
Ion Ratio Lower Upper

70 100

42 42.6 43.4 65.0#

101 0.0 8.1 12.1#

130 2.2 17.6 26.4#

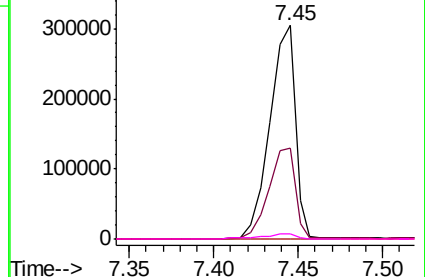
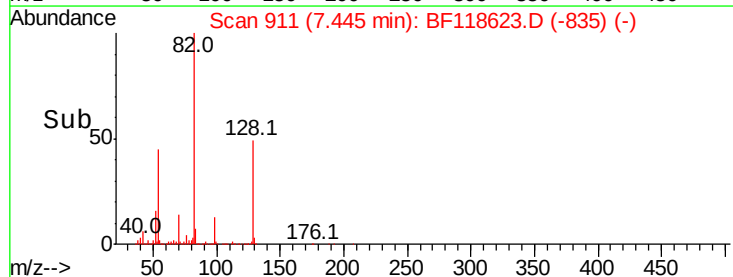


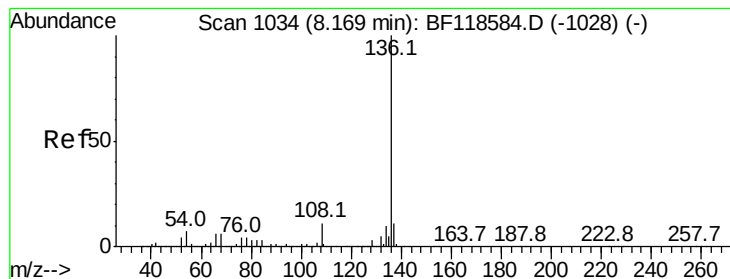
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF118623.D

Acq: 21 Jan 2020 7:35

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:136 Resp: 1544687

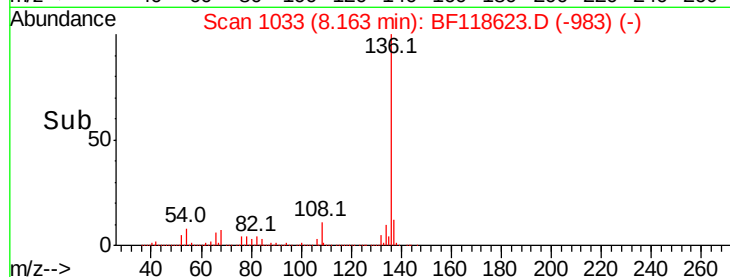
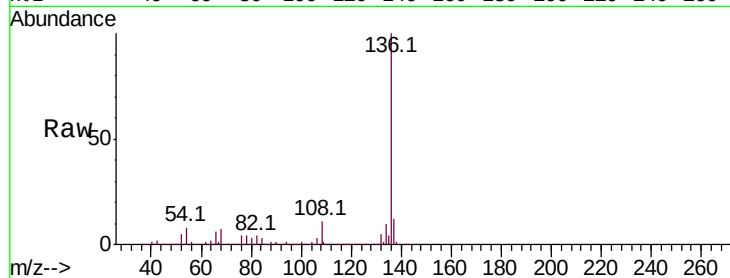
Ion Ratio Lower Upper

136 100

137 11.7 9.1 13.7

54 7.9 5.8 8.6

68 6.9 5.0 7.4

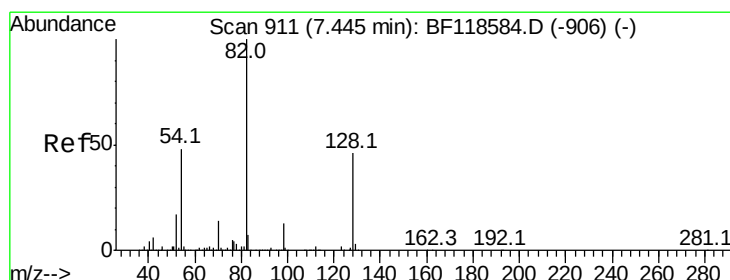
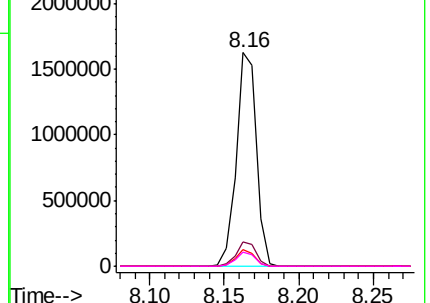


Abundance Ion 136.00 (135.70 to 136.70): E

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: 81.757 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.00 min

Lab File: BF118623.D

Acq: 21 Jan 2020 7:35

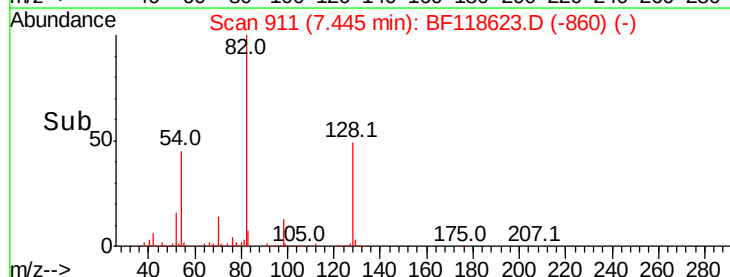
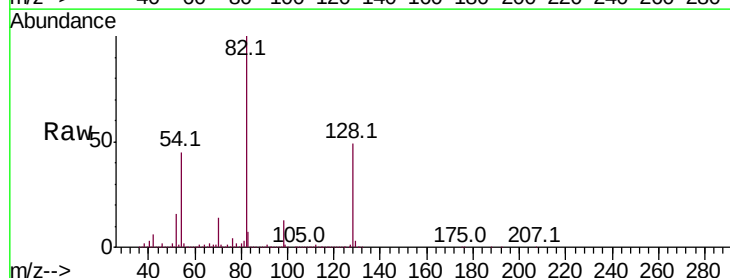
Tgt Ion: 82 Resp: 2257829

Ion Ratio Lower Upper

82 100

128 49.3 36.6 54.8

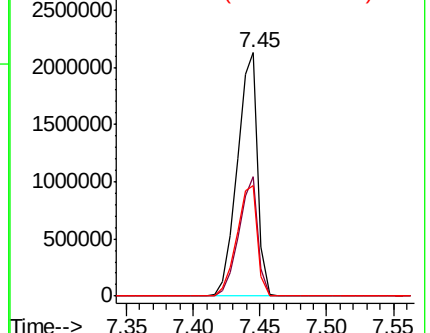
54 45.4 38.0 57.0

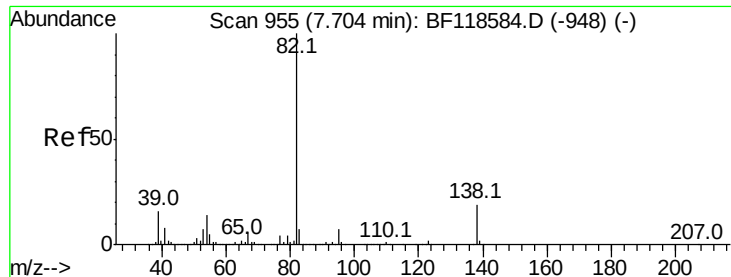


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 44.709 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.26 min

Lab File: BF118623.D

Acq: 21 Jan 2020 7:35

Instrument :

BNA\_F

ClientSampleId :

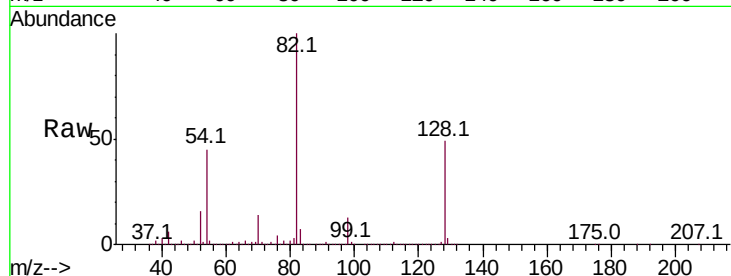
Tot Ion: 82 Resp: 2252045

Ion Ratio Lower Upper

82 100

95 0.0 5.9 8.9#

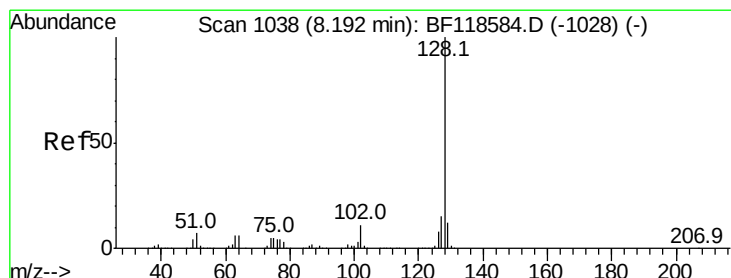
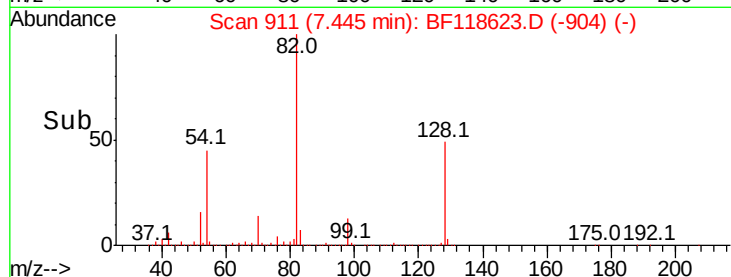
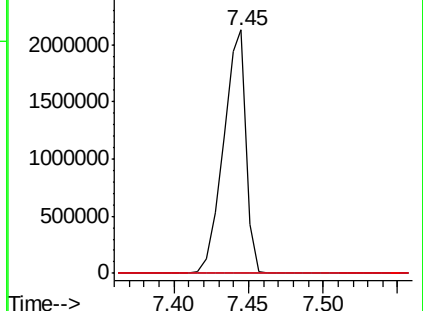
138 0.0 15.3 22.9#



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



#31

Naphthalene

Concen: 5.509 ng

RT: 8.19 min Scan# 1037

Delta R.T. -0.01 min

Lab File: BF118623.D

Acq: 21 Jan 2020 7:35

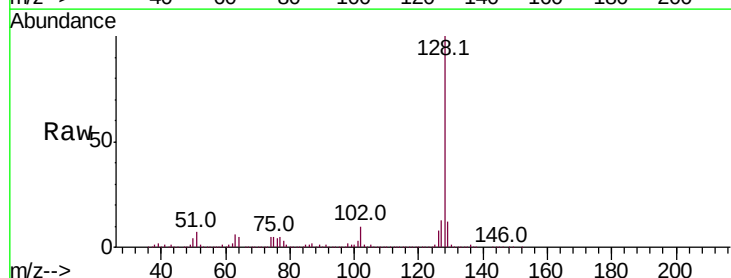
Tgt Ion: 128 Resp: 384403

Ion Ratio Lower Upper

128 100

129 11.7 9.9 14.9

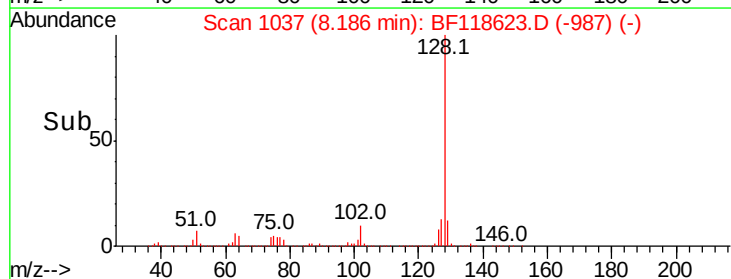
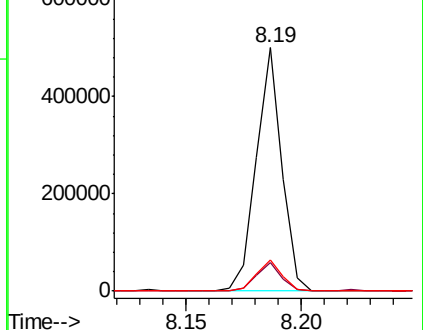
127 12.9 12.0 18.0

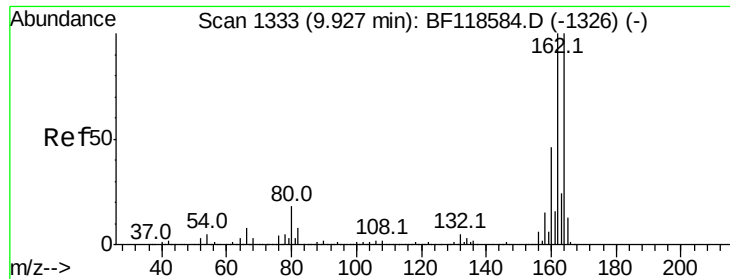


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

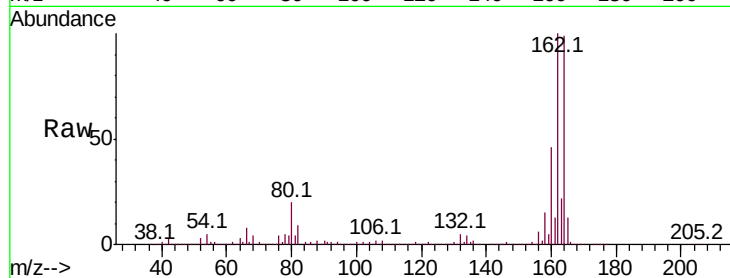




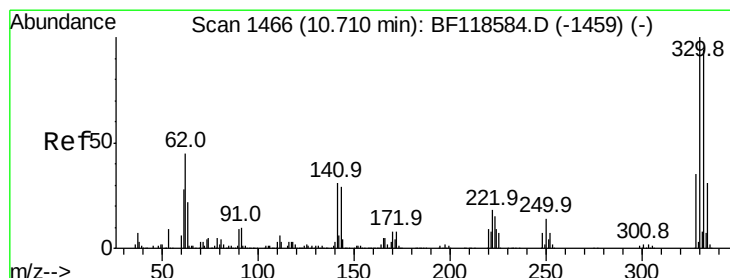
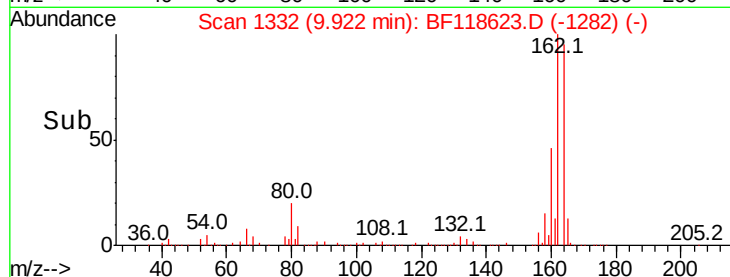
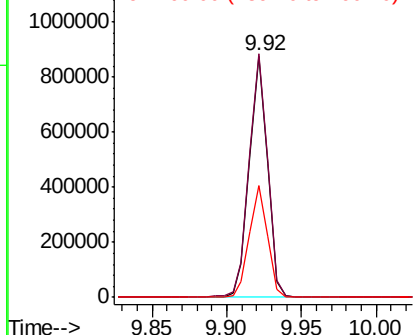
#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.92 min Scan# 1332  
 Delta R.T. -0.01 min  
 Lab File: BF118623.D  
 Acq: 21 Jan 2020 7:35

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 100.8 | 80.4  | 120.6 |
| 160     | 46.4  | 36.6  | 55.0  |

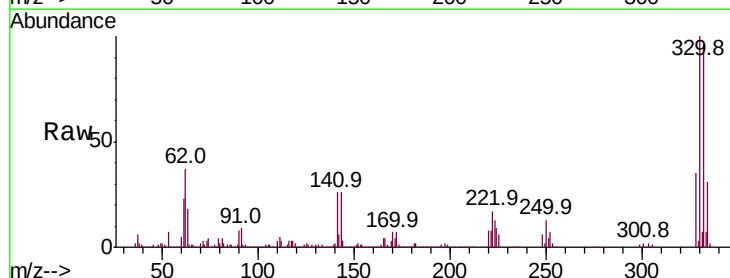


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

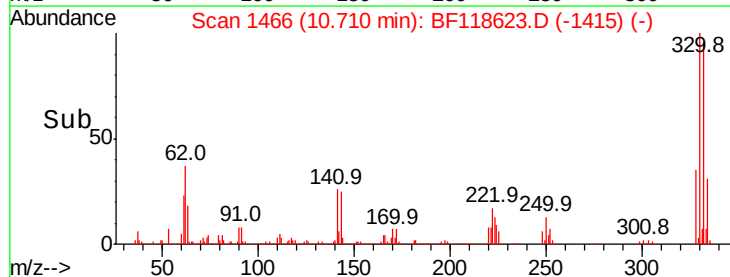
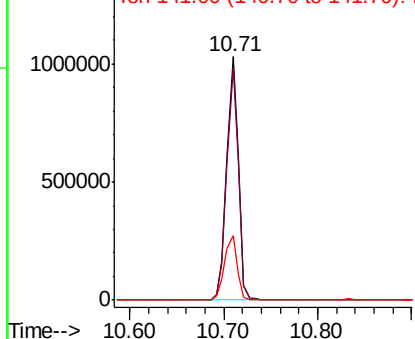


#42  
 2,4,6-Tribromophenol  
 Concen: 105.131 ng  
 RT: 10.71 min Scan# 1466  
 Delta R.T. 0.00 min  
 Lab File: BF118623.D  
 Acq: 21 Jan 2020 7:35

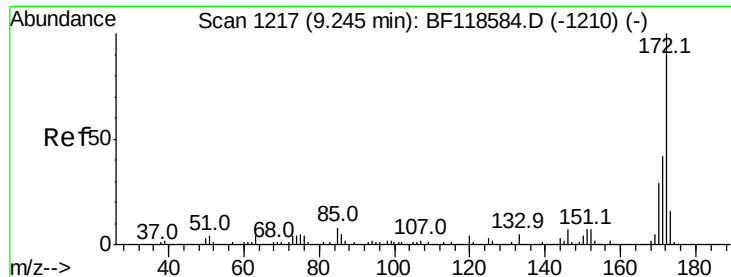
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.4  | 76.2  | 114.4 |
| 141     | 28.4  | 23.9  | 35.9  |



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





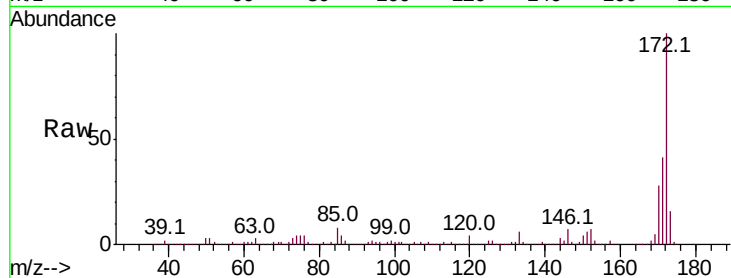


#45  
2-Fluorobiphenyl  
Concen: 84.265 ng  
RT: 9.25 min Scan# 1217  
Delta R.T. 0.00 min  
Lab File: BF118623.D  
Acq: 21 Jan 2020 7:35

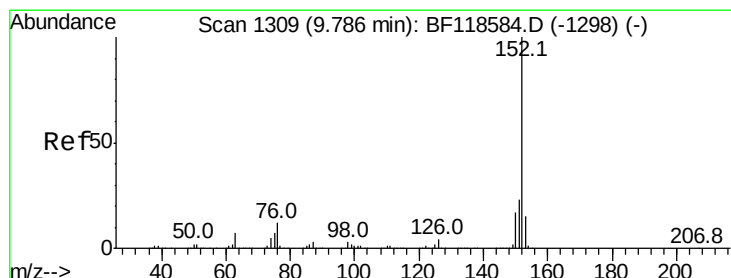
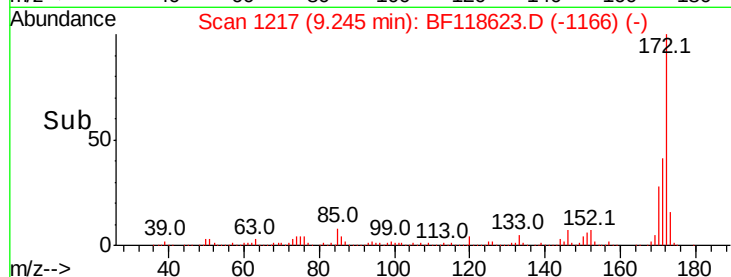
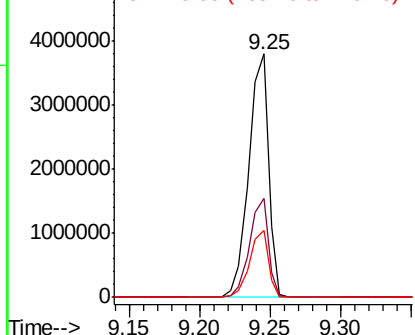
Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:172 Resp: 3776188

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 40.6  | 33.4  | 50.2  |
| 170 | 27.8  | 23.2  | 34.8  |



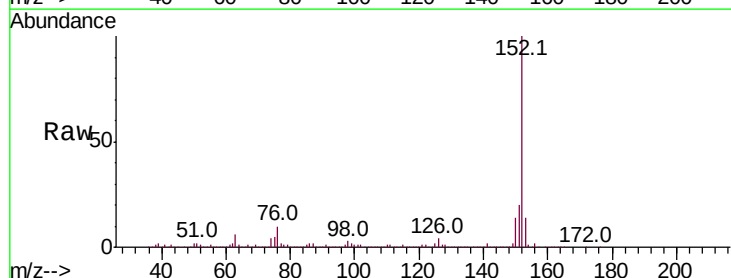
Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E



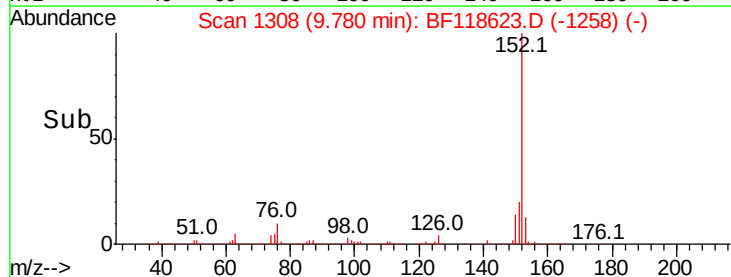
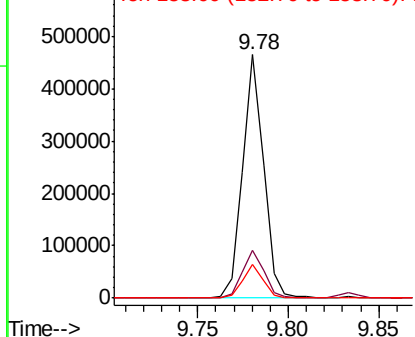
#49  
Acenaphthylene  
Concen: 6.205 ng  
RT: 9.78 min Scan# 1308  
Delta R.T. -0.01 min  
Lab File: BF118623.D  
Acq: 21 Jan 2020 7:35

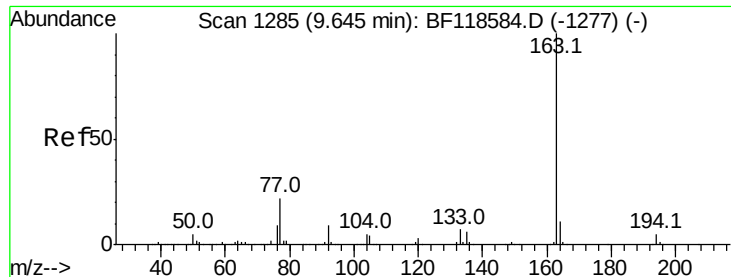
Tgt Ion:152 Resp: 373524

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 151 | 19.8  | 18.6  | 27.8  |
| 153 | 13.6  | 12.2  | 18.4  |



Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 151.00 (150.70 to 151.70): E  
Ion 153.00 (152.70 to 153.70): E

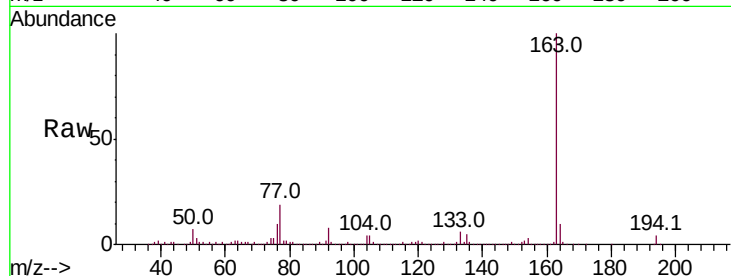




#50  
Dimethylphthalate  
Concen: 7.957 ng  
RT: 9.63 min Scan# 1283  
Delta R.T. -0.01 min  
Lab File: BF118623.D  
Acq: 21 Jan 2020 7:35

Instrument :  
BNA\_F  
ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 4.3   | 3.9   | 5.9   |
| 164     | 10.3  | 9.1   | 13.7  |

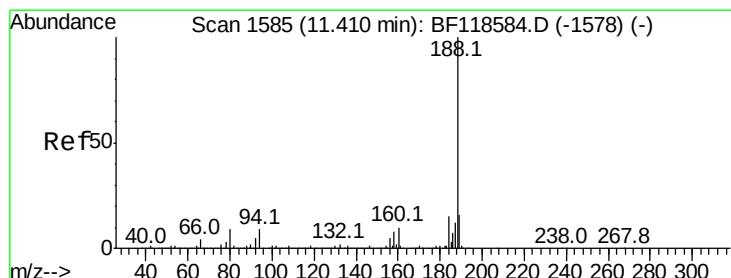
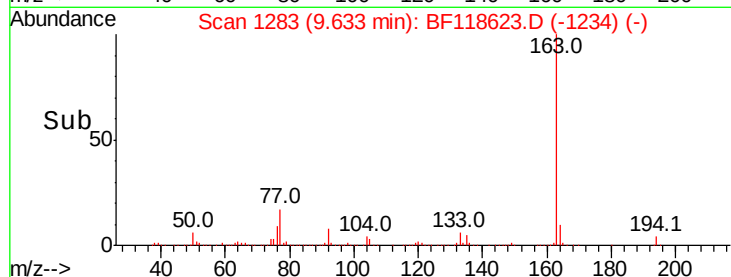
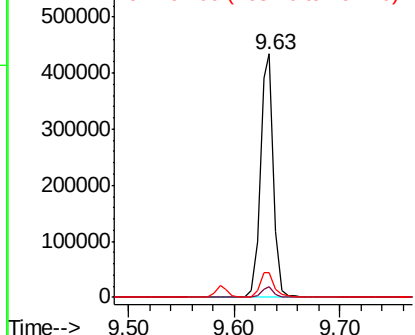


Abundance

Ion 163.00 (162.70 to 163.70): E

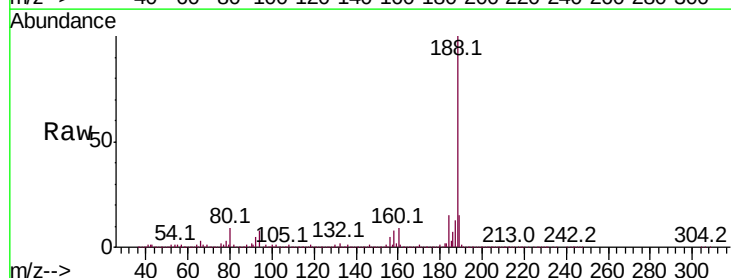
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.41 min Scan# 1585  
Delta R.T. 0.00 min  
Lab File: BF118623.D  
Acq: 21 Jan 2020 7:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 8.3   | 7.1   | 10.7  |
| 80      | 8.8   | 7.5   | 11.3  |

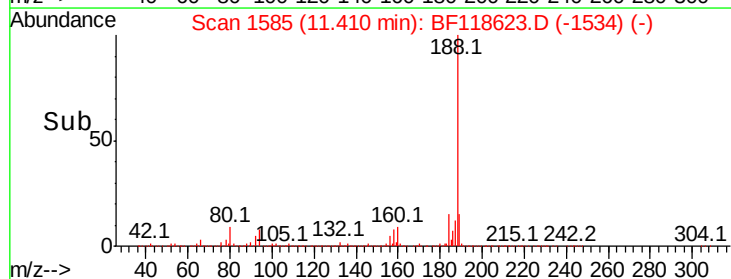
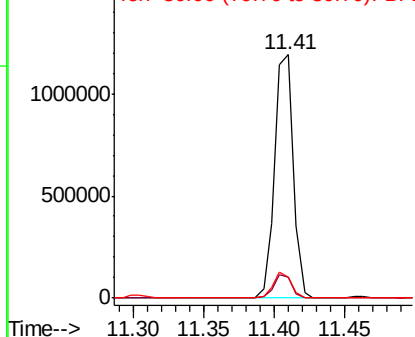


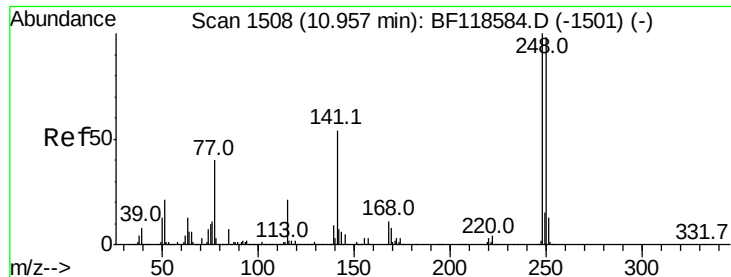
Abundance

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

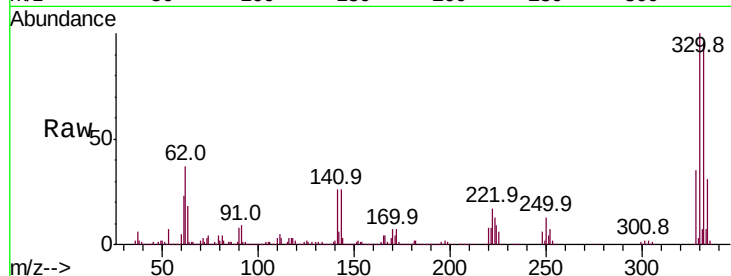




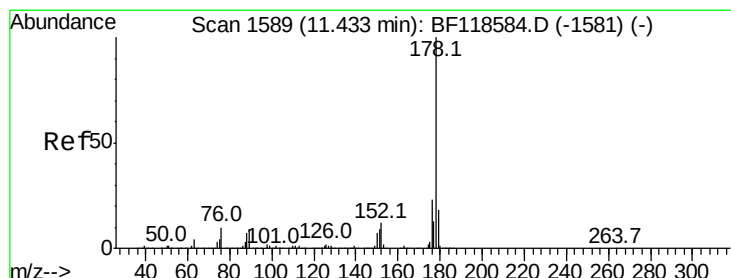
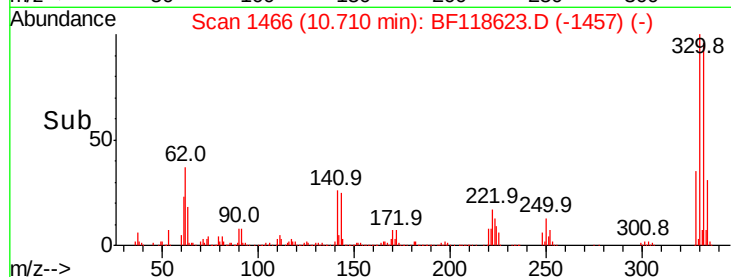
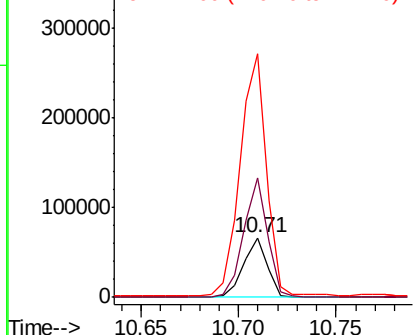
#67  
 4-Bromophenyl-phenylether  
 Concen: 4.137 ng  
 RT: 10.71 min Scan# 1466  
 Delta R.T. -0.25 min  
 Lab File: BF118623.D  
 Acq: 21 Jan 2020 7:35

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:248 Resp: 56582  
 Ion Ratio Lower Upper  
 248 100  
 250 200.0 78.7 118.1#  
 141 406.9 43.2 64.8#

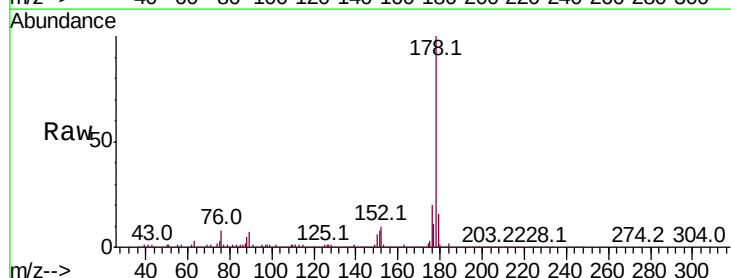


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

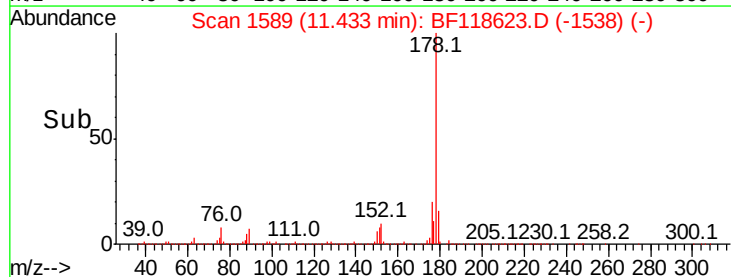
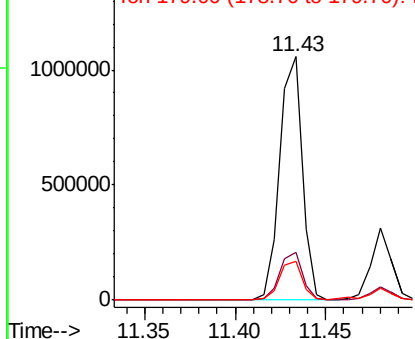


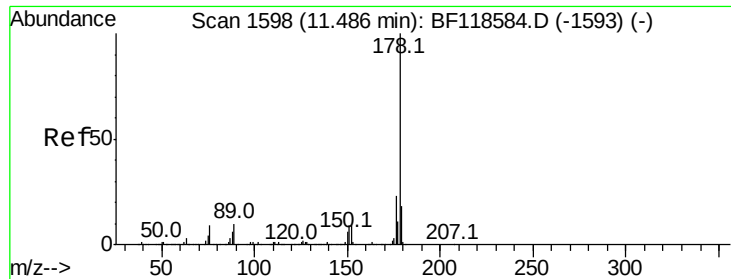
#71  
 Phenanthrene  
 Concen: 17.199 ng  
 RT: 11.43 min Scan# 1589  
 Delta R.T. 0.00 min  
 Lab File: BF118623.D  
 Acq: 21 Jan 2020 7:35

Tgt Ion:178 Resp: 918581  
 Ion Ratio Lower Upper  
 178 100  
 176 19.7 18.6 27.8  
 179 15.7 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

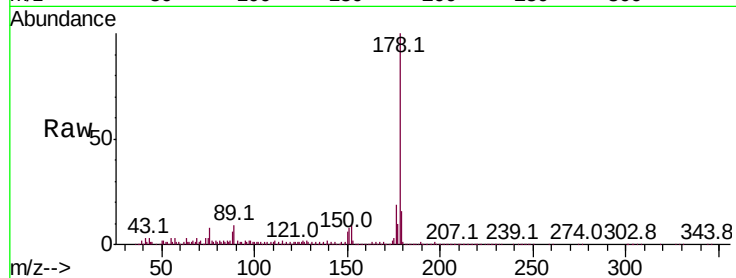




#72  
 Anthracene  
 Concen: 4.590 ng  
 RT: 11.48 min Scan# 1597  
 Delta R.T. -0.01 min  
 Lab File: BF118623.D  
 Acq: 21 Jan 2020 7:35

Instrument :  
 BNA\_F  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.5  | 18.0  | 27.0  |
| 179     | 16.2  | 14.7  | 22.1  |

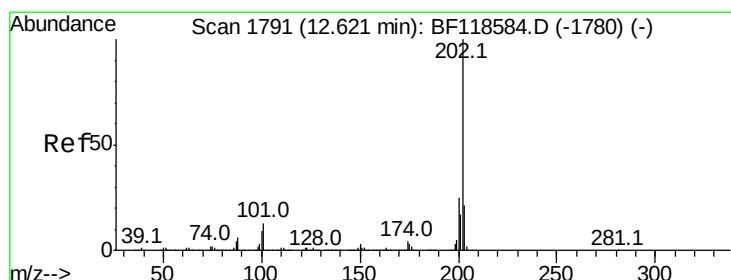
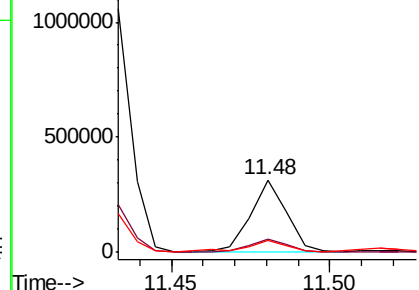
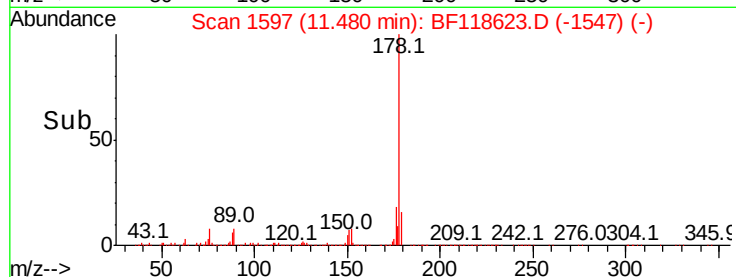


Abundance

Ion 178.00 (177.70 to 178.70): E

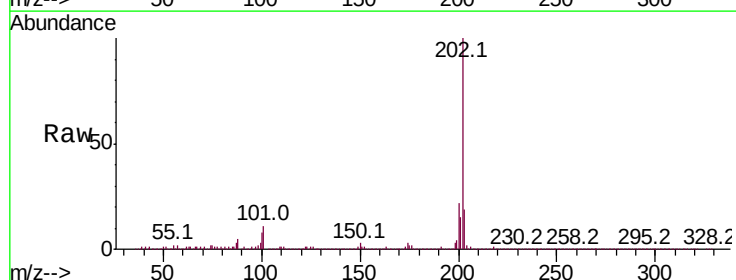
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75  
 Fluoranthene  
 Concen: 23.485 ng  
 RT: 12.62 min Scan# 1791  
 Delta R.T. 0.00 min  
 Lab File: BF118623.D  
 Acq: 21 Jan 2020 7:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 11.4  | 0.0   | 32.5  |
| 203     | 18.8  | 0.8   | 40.8  |

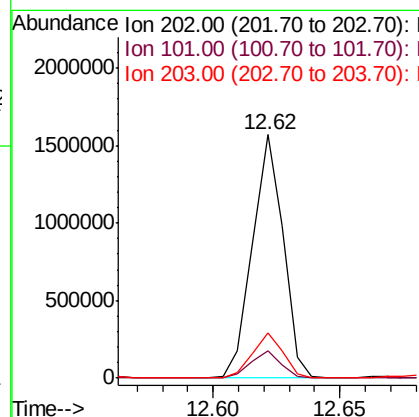
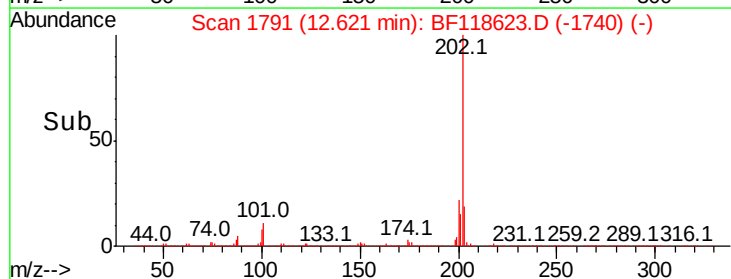


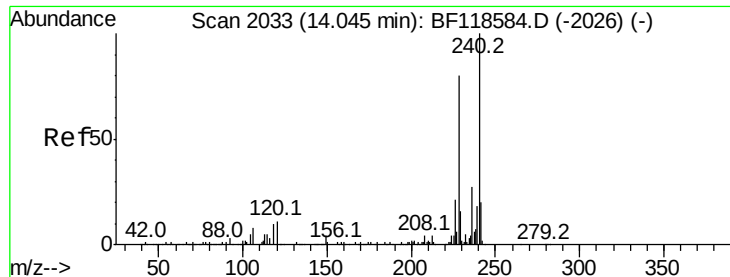
Abundance

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# 2033

Delta R.T. 0.00 min

Lab File: BF118623.D

Acq: 21 Jan 2020 7:35

Instrument :

BNA\_F

ClientSampled :

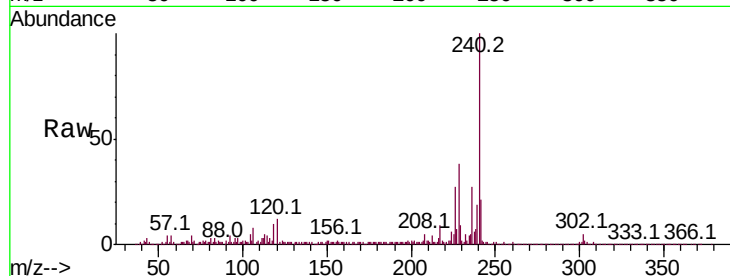
Tot Ion:240 Resp: 849786

Ion Ratio Lower Upper

240 100

120 11.6 8.9 13.3

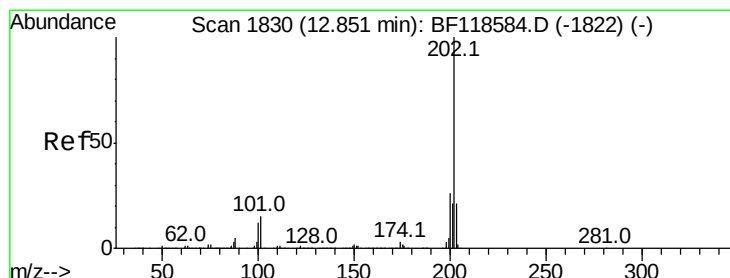
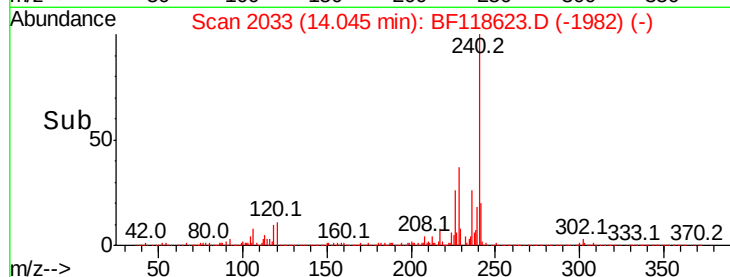
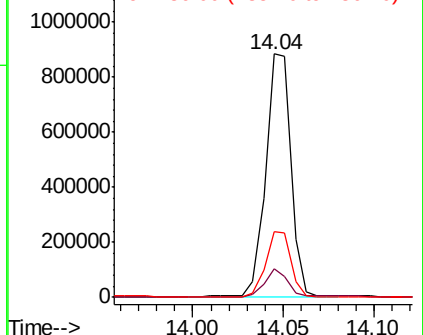
236 27.0 21.5 32.3



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: 24.403 ng

RT: 12.85 min Scan# 1830

Delta R.T. 0.00 min

Lab File: BF118623.D

Acq: 21 Jan 2020 7:35

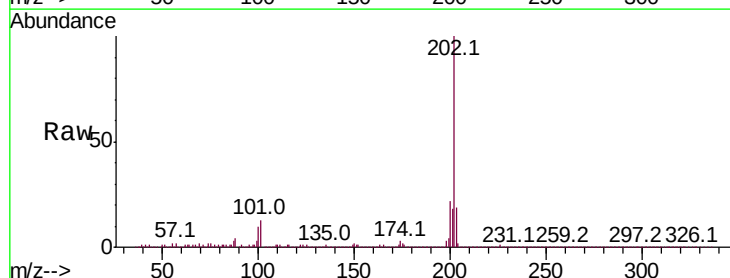
Tgt Ion:202 Resp: 1407904

Ion Ratio Lower Upper

202 100

200 22.0 20.6 31.0

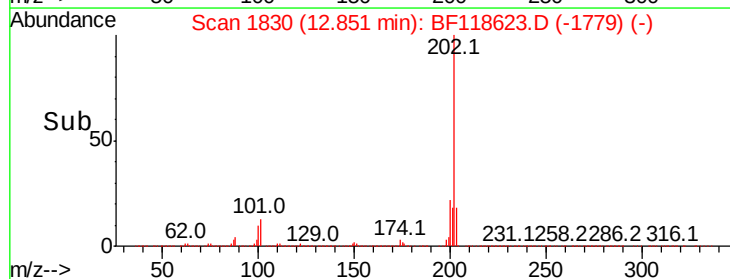
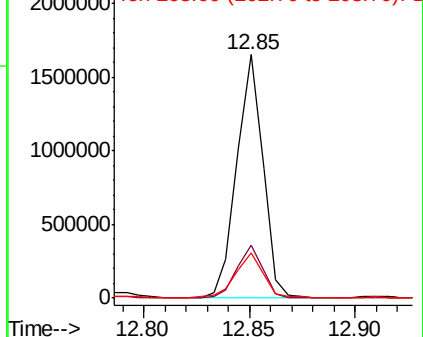
203 18.8 16.8 25.2

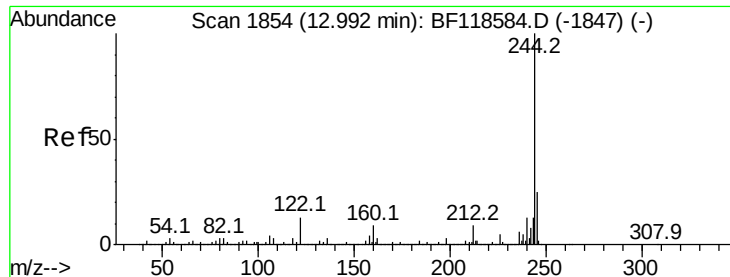


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 89.935 ng

RT: 12.99 min Scan# 1854

Delta R.T. 0.00 min

Lab File: BF118623.D

Acq: 21 Jan 2020 7:35

Instrument :

BNA\_F

ClientSampleId :

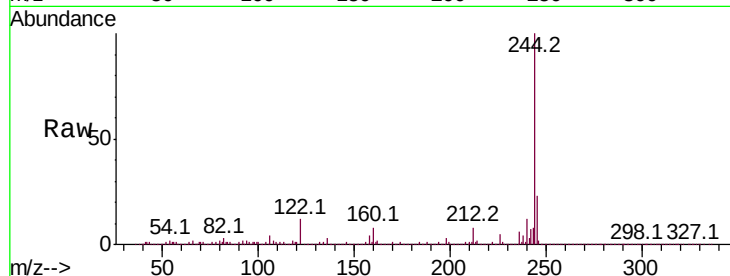
Tot Ion:244 Resp: 3504017

Ion Ratio Lower Upper

244 100

212 7.8 7.0 10.4

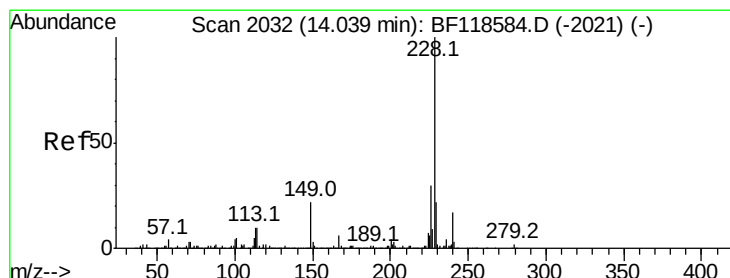
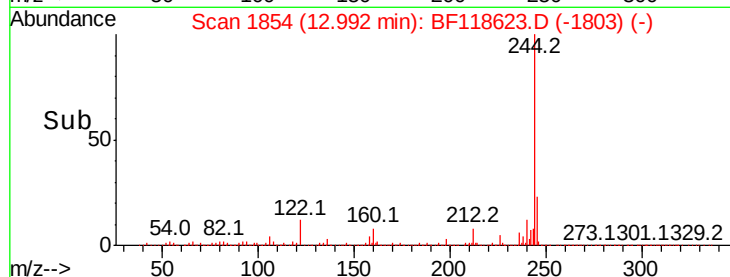
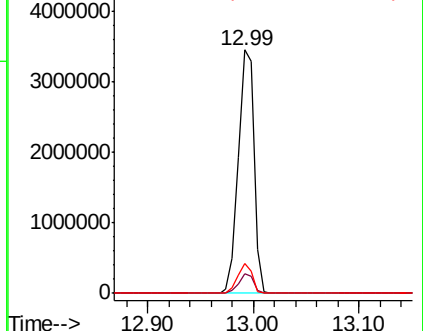
122 12.3 10.7 16.1



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: 16.473 ng

RT: 14.07 min Scan# 2038

Delta R.T. 0.04 min

Lab File: BF118623.D

Acq: 21 Jan 2020 7:35

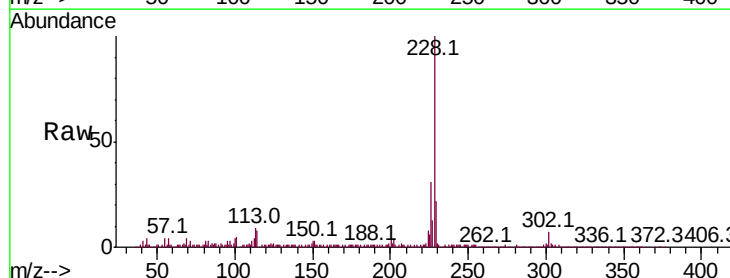
Tgt Ion:228 Resp: 842083

Ion Ratio Lower Upper

228 100

226 30.8 24.1 36.1

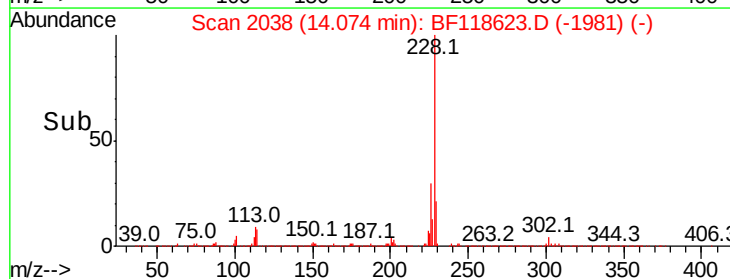
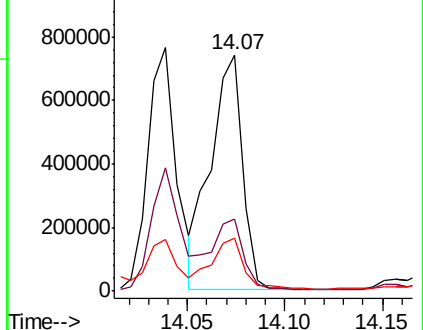
229 22.2 17.6 26.4

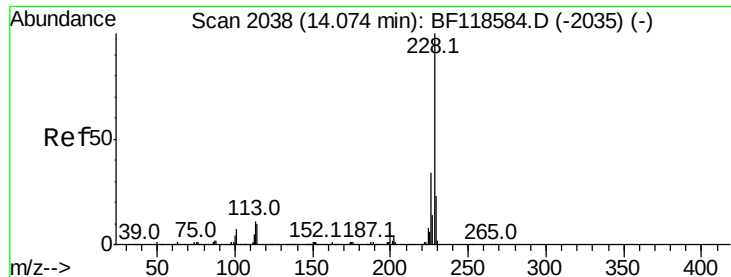


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 17.188 ng

RT: 14.07 min Scan# 2038

Delta R.T. 0.00 min

Lab File: BF118623.D

Acq: 21 Jan 2020 7:35

Instrument :

BNA\_F

ClientSampleId :

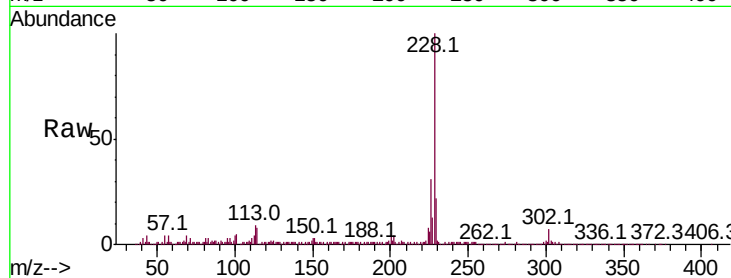
Tot Ion:228 Resp: 842083

Ion Ratio Lower Upper

228 100

226 30.8 27.4 41.0

229 22.2 18.3 27.5

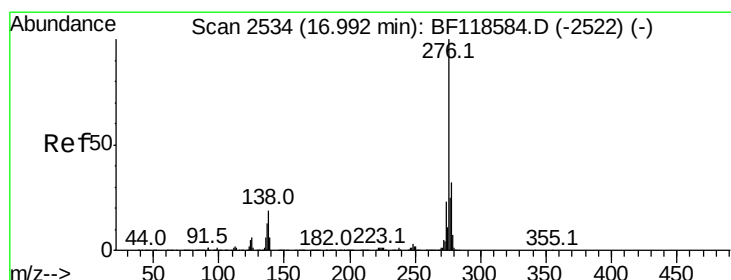
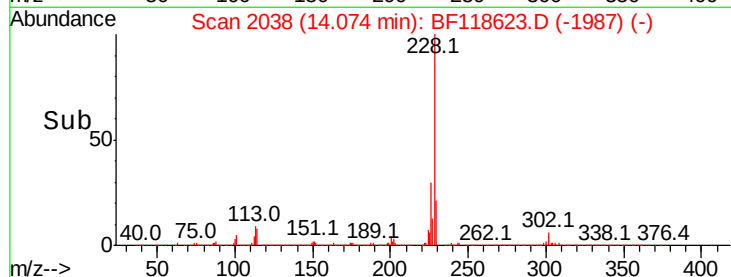
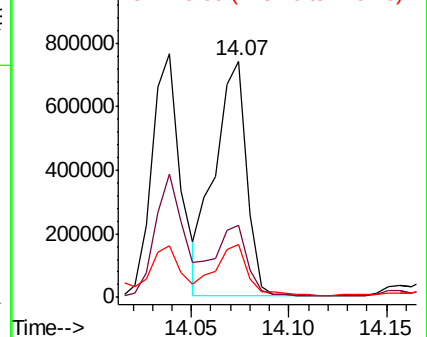


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 14.459 ng

RT: 17.01 min Scan# 2537

Delta R.T. 0.02 min

Lab File: BF118623.D

Acq: 21 Jan 2020 7:35

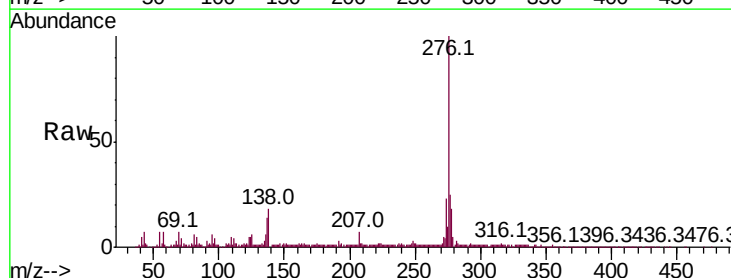
Tgt Ion:276 Resp: 615497

Ion Ratio Lower Upper

276 100

138 18.5 17.2 25.8

277 25.8 20.5 30.7

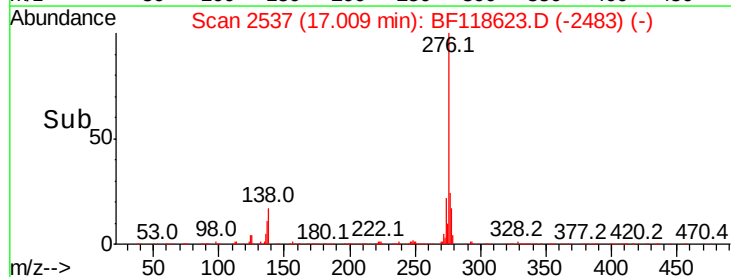
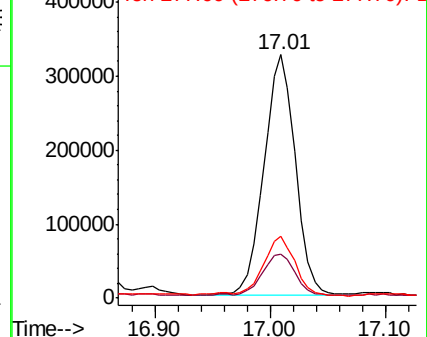


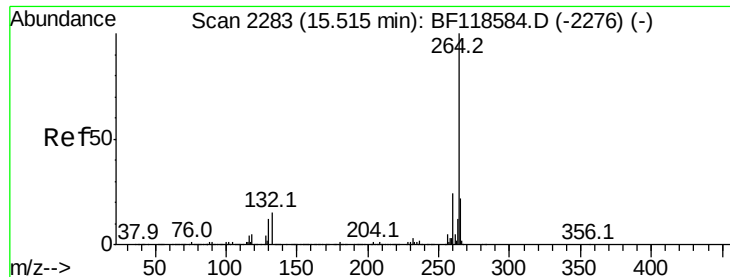
Abundance

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





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.53 min Scan# 2285

Delta R.T. 0.01 min

Lab File: BF118623.D

Acq: 21 Jan 2020 7:35

Instrument :

BNA\_F

ClientSampleId :

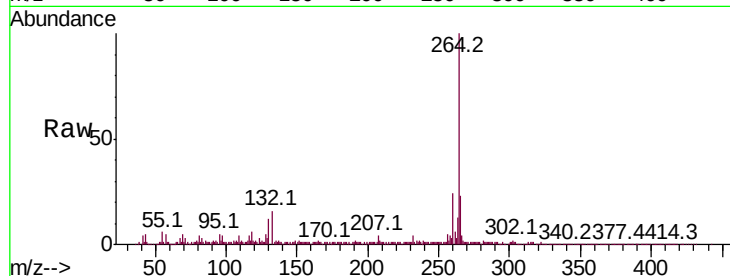
Tot Ion:264 Resp: 752879

Ion Ratio Lower Upper

264 100

260 24.1 19.6 29.4

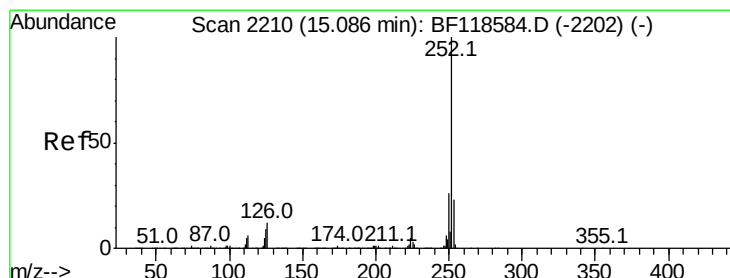
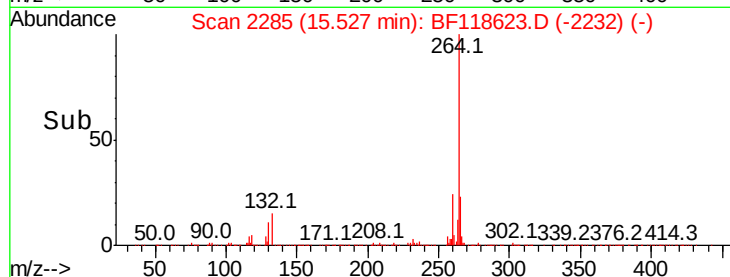
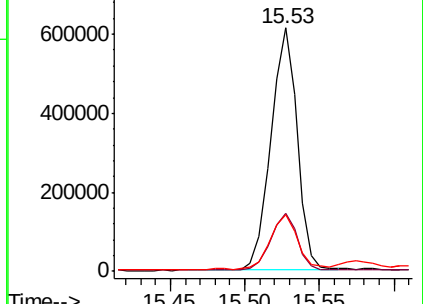
265 23.2 17.7 26.5



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: 35.811 ng

RT: 15.10 min Scan# 2212

Delta R.T. 0.01 min

Lab File: BF118623.D

Acq: 21 Jan 2020 7:35

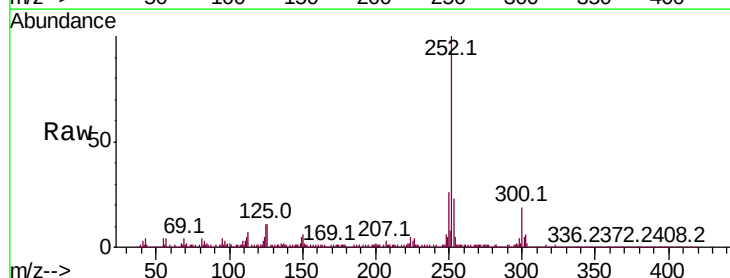
Tgt Ion:252 Resp: 1694704

Ion Ratio Lower Upper

252 100

253 23.3 18.7 28.1

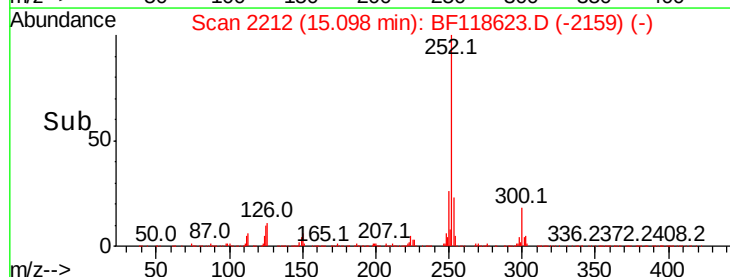
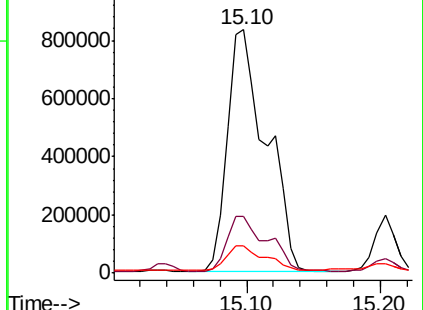
125 11.0 7.3 10.9#



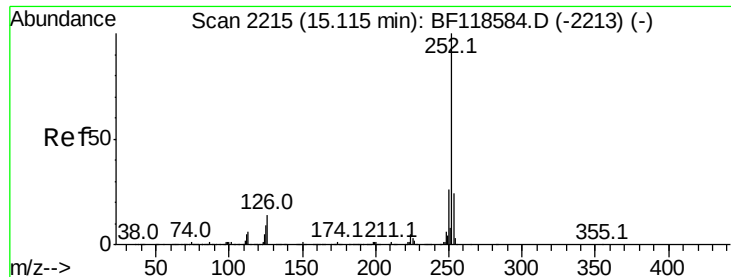
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



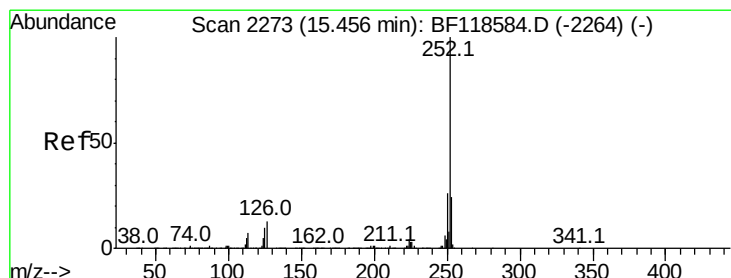
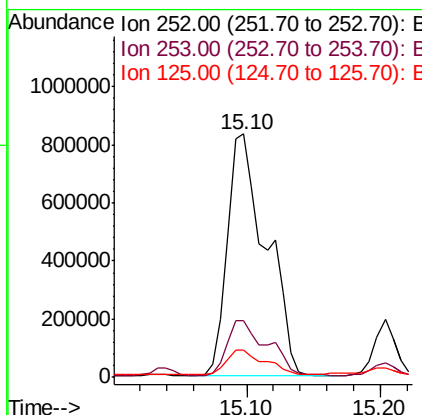
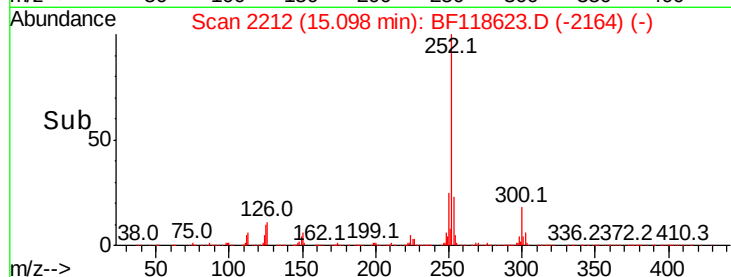
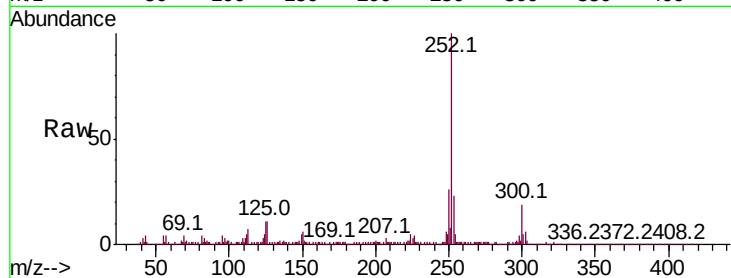




#89  
Benzo(k)fluoranthene  
Concen: 38.653 ng  
RT: 15.10 min Scan# 2212  
Delta R.T. -0.02 min  
Lab File: BF118623.D  
Acq: 21 Jan 2020 7:35

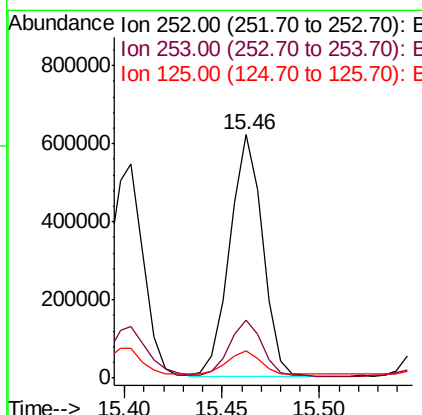
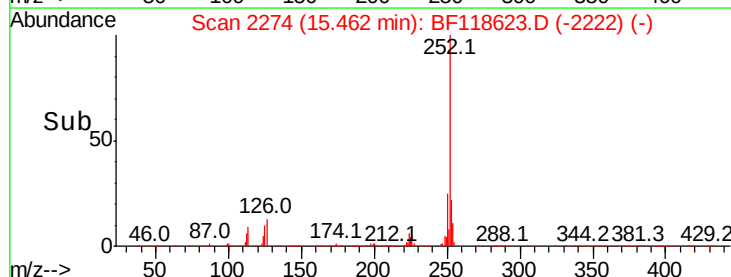
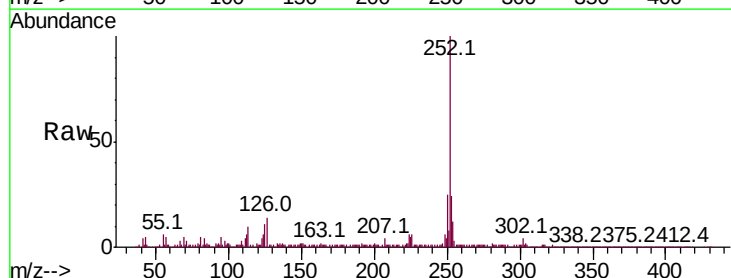
Instrument :  
BNA\_F  
ClientSampleId :

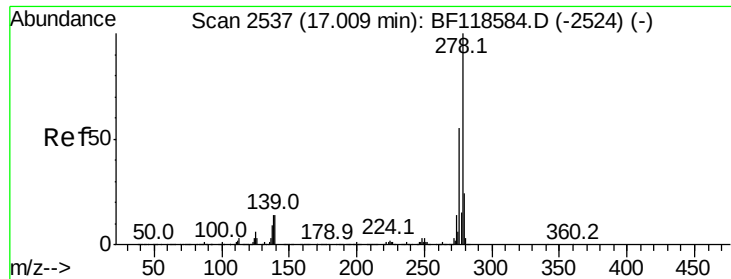
Tot Ion:252 Resp: 1694704  
Ion Ratio Lower Upper  
252 100  
253 23.3 19.0 28.4  
125 11.0 7.6 11.4



#90  
Benzo(a)pyrene  
Concen: 17.613 ng  
RT: 15.46 min Scan# 2274  
Delta R.T. 0.01 min  
Lab File: BF118623.D  
Acq: 21 Jan 2020 7:35

Tgt Ion:252 Resp: 719030  
Ion Ratio Lower Upper  
252 100  
253 23.7 18.8 28.2  
125 11.3 7.8 11.6





#91

Dibenzo(a,h)anthracene

Concen: 3.832 ng

RT: 17.02 min Scan# 2539

Delta R.T. 0.01 min

Lab File: BF118623.D

Acq: 21 Jan 2020 7:35

Instrument :

BNA\_F

ClientSampleId :

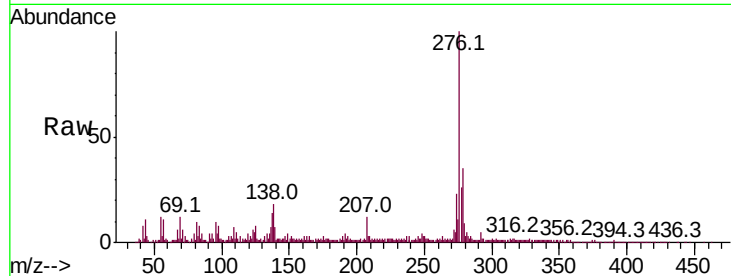
Tot Ion:278 Resp: 138367

Ion Ratio Lower Upper

278 100

139 18.4 11.4 17.0#

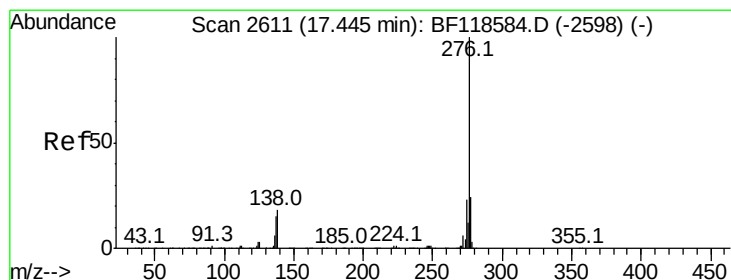
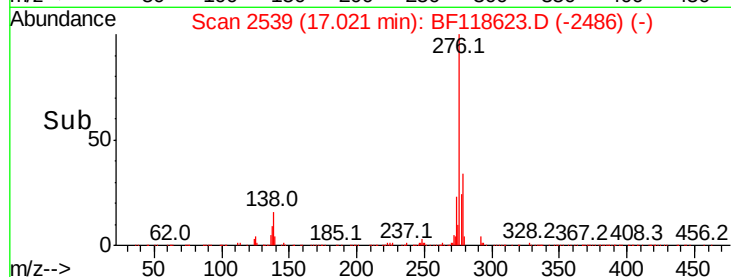
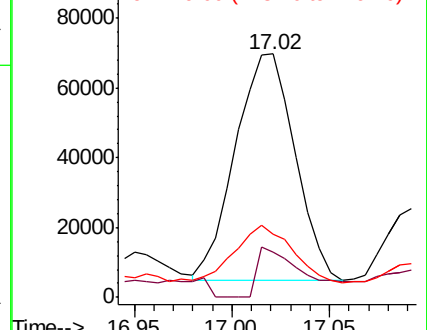
279 25.7 19.0 28.6



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



#92

Benzo(g,h,i)perylene

Concen: 17.178 ng

RT: 17.46 min Scan# 2613

Delta R.T. 0.01 min

Lab File: BF118623.D

Acq: 21 Jan 2020 7:35

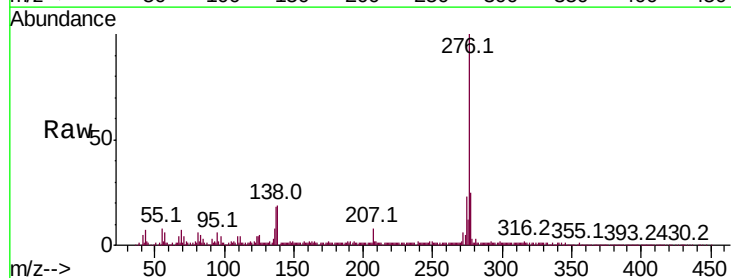
Tgt Ion:276 Resp: 602285

Ion Ratio Lower Upper

276 100

277 24.6 18.9 28.3

138 19.4 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

