

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111219\  
 Data File : BF117756.D  
 Acq On : 12 Nov 2019 12:59  
 Operator : JU  
 Sample : K5777-03DL 50X  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 AOC-7-MIDDLE-(10)DL2

Quant Time: Nov 12 15:49:32 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110619.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 12 13:32:26 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.93  | 152  | 280705   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.21  | 136  | 1086928  | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.97  | 164  | 553136   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.47 | 188  | 941030   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 14.12 | 240  | 591386   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.63 | 264  | 753487   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |       |      |    |       |
|--------------------------|-------|-----|-------|------|----|-------|
| 5) 2-Fluorophenol        | 5.53  | 112 | 30870 | 1.99 | ng | -0.01 |
| 7) Phenol-d6             | 6.53  | 99  | 42039 | 2.20 | ng | -0.02 |
| 23) Nitrobenzene-d5      | 7.48  | 82  | 21384 | 1.16 | ng | -0.01 |
| 42) 2,4,6-Tribromophenol | 10.76 | 330 | 8608  | 1.59 | ng | -0.01 |
| 45) 2-Fluorobiphenyl     | 9.29  | 172 | 42889 | 1.53 | ng | 0.00  |
| 79) Terphenyl-d14        | 13.05 | 244 | 37196 | 1.29 | ng | -0.01 |

## Target Compounds

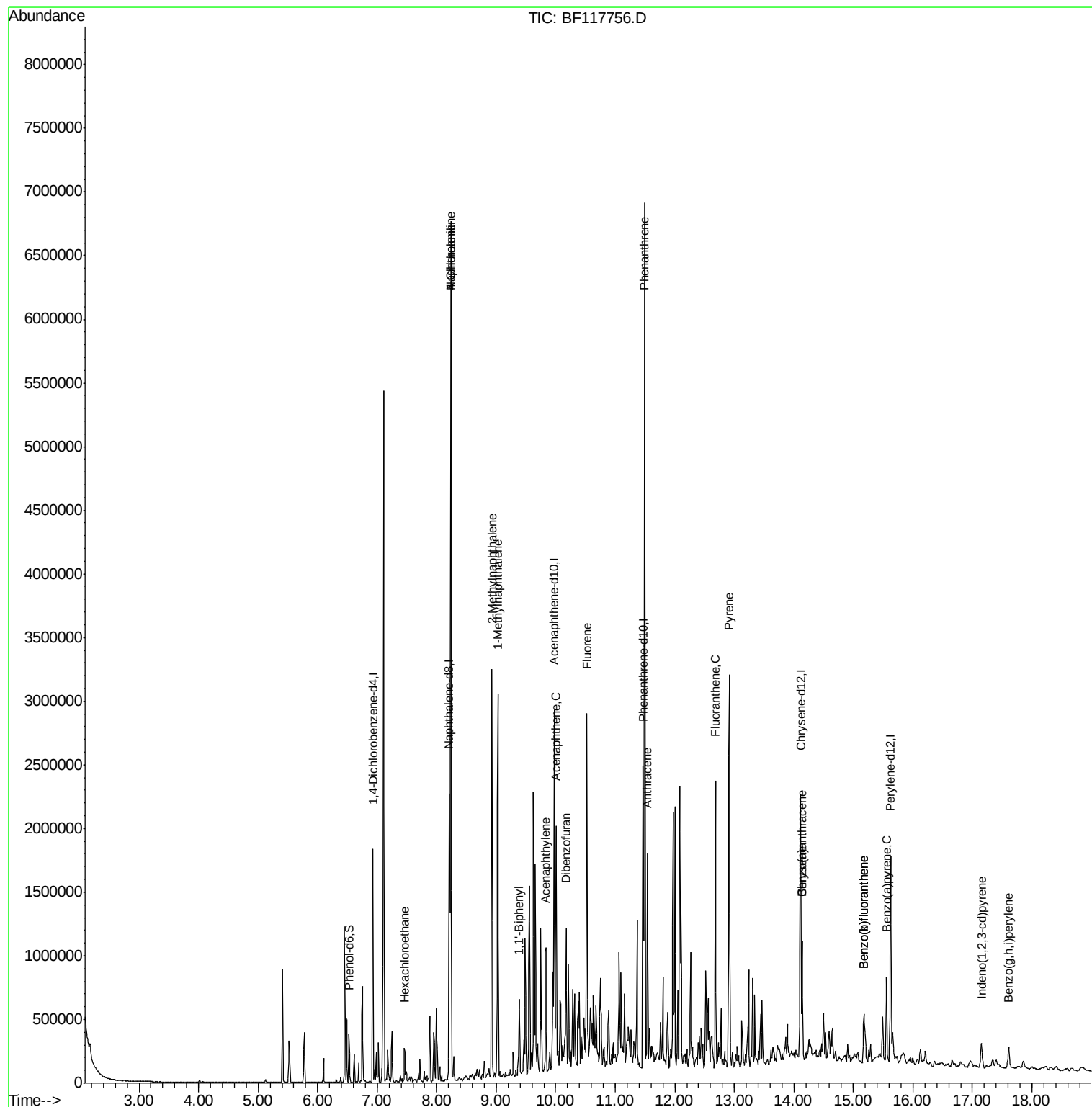
|                            |       |     |         |        |    | Qvalue |
|----------------------------|-------|-----|---------|--------|----|--------|
| 18) Hexachloroethane       | 7.46  | 117 | 16826   | 2.274  | ng | # 1    |
| 31) Naphthalene            | 8.24  | 128 | 3042231 | 61.235 | ng | 98     |
| 33) 4-Chloroaniline        | 8.24  | 127 | 441773  | 19.137 | ng | # 35   |
| 37) 2-Methylnaphthalene    | 8.93  | 142 | 796039  | 23.536 | ng | 98     |
| 38) 1-Methylnaphthalene    | 9.03  | 142 | 733408  | 22.834 | ng | 99     |
| 46) 1,1'-Biphenyl          | 9.39  | 154 | 174567  | 4.506  | ng | 98     |
| 49) Acenaphthylene         | 9.83  | 152 | 151264  | 3.231  | ng | # 90   |
| 52) Acenaphthene           | 10.00 | 154 | 341431  | 11.302 | ng | 97     |
| 55) Dibenzofuran           | 10.17 | 168 | 125561  | 2.970  | ng | # 76   |
| 58) Fluorene               | 10.52 | 166 | 675360  | 21.676 | ng | 99     |
| 71) Phenanthrene           | 11.49 | 178 | 2486669 | 55.130 | ng | 99     |
| 72) Anthracene             | 11.54 | 178 | 589141  | 13.129 | ng | 97     |
| 75) Fluoranthene           | 12.69 | 202 | 827287  | 17.962 | ng | 97     |
| 78) Pyrene                 | 12.92 | 202 | 1213425 | 28.108 | ng | 97     |
| 81) Benzo(a)anthracene     | 14.14 | 228 | 324541  | 8.816  | ng | 98     |
| 83) Chrysene               | 14.14 | 228 | 324541  | 8.928  | ng | 97     |
| 86) Indeno(1,2,3-cd)pyrene | 17.14 | 276 | 121592  | 3.594  | ng | 98     |
| 88) Benzo(b)fluoranthene   | 15.18 | 252 | 339698  | 7.158  | ng | # 96   |
| 89) Benzo(k)fluoranthene   | 15.18 | 252 | 339698  | 8.026  | ng | 96     |
| 90) Benzo(a)pyrene         | 15.56 | 252 | 299430  | 7.279  | ng | 99     |
| 92) Benzo(g,h,i)perylene   | 17.61 | 276 | 127046  | 3.553  | ng | 99     |

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111219\  
Data File : BF117756.D  
Acq On : 12 Nov 2019 12:59  
Operator : JU  
Sample : K5777-03DL 50X  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
AOC-7-MIDDLE-(10)DL2

Quant Time: Nov 12 15:49:32 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110619.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Nov 12 13:32:26 2019  
Response via : Initial Calibration



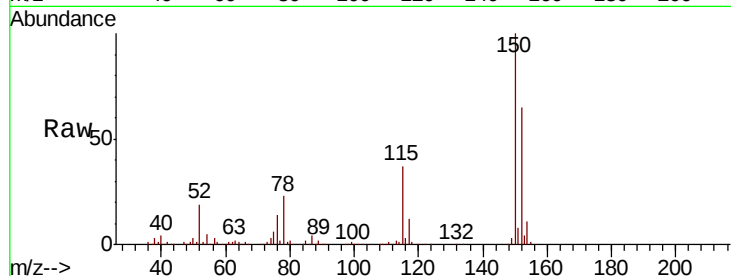


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.93 min Scan# 823  
Delta R.T. 0.00 min  
Lab File: BF117756.D  
Acq: 12 Nov 2019 12:59

Instrument :  
BNA\_F  
ClientSampleId :  
AOC-7-MIDDLE-(10)DL2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 153.4 | 126.6 | 190.0 |
| 115     | 57.4  | 47.6  | 71.4  |

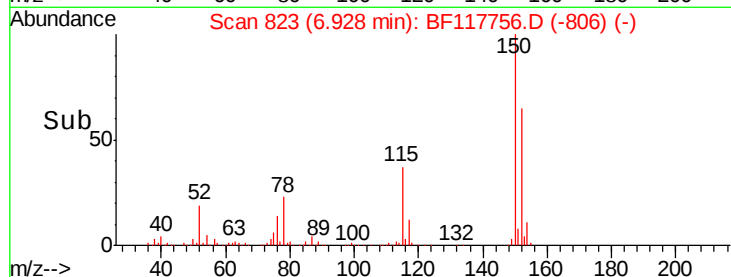
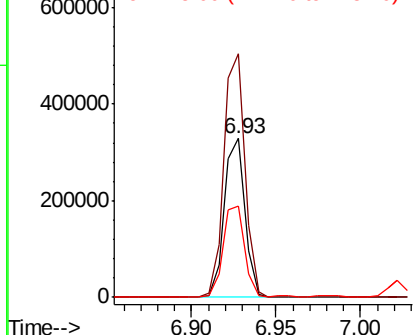


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

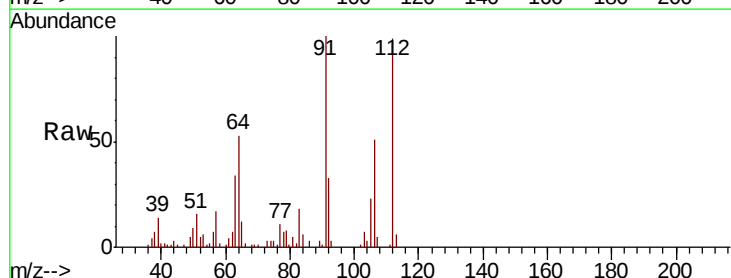
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 1.991 ng  
RT: 5.53 min Scan# 585  
Delta R.T. -0.01 min  
Lab File: BF117756.D  
Acq: 12 Nov 2019 12:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 52.9  | 43.5  | 65.3  |
| 63      | 34.4  | 23.5  | 35.3  |

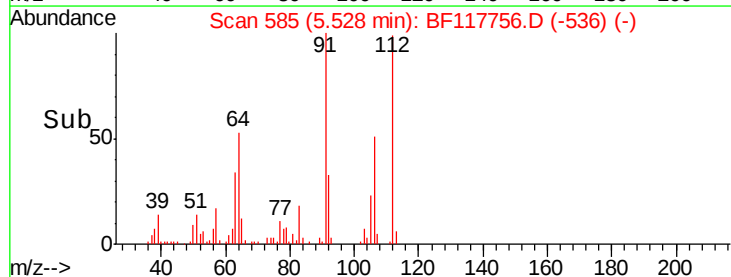
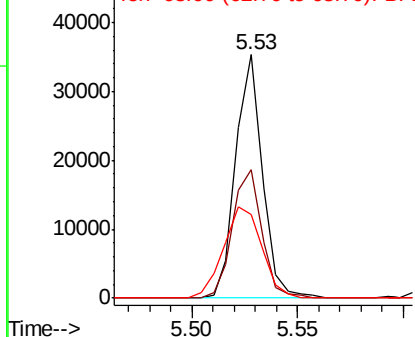


Abundance

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: 2.199 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.02 min

Lab File: BF117756.D

Acq: 12 Nov 2019 12:59

Instrument :

BNA\_F

ClientSampleId :

AOC-7-MIDDLE-(10)DL2

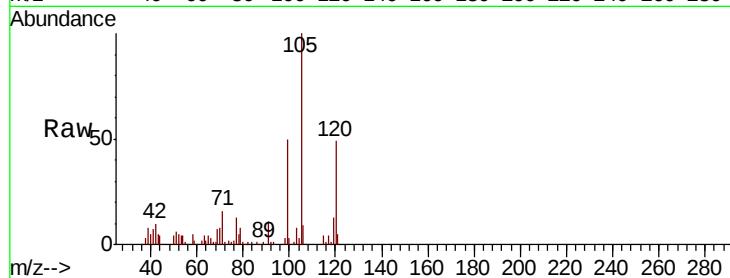
Tot Ion: 99 Resp: 42039

Ion Ratio Lower Upper

99 100

42 19.4 15.3 22.9

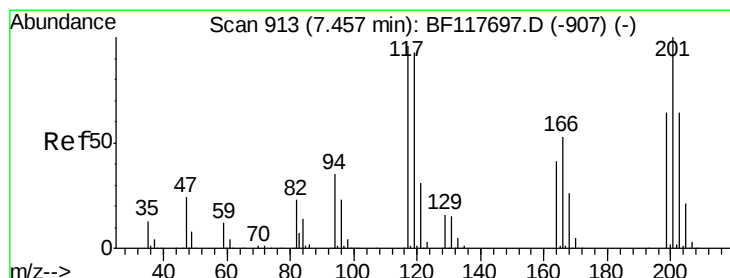
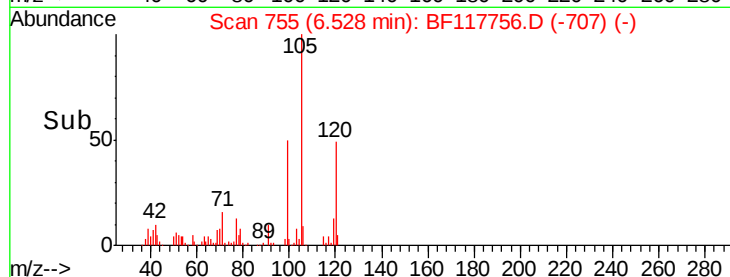
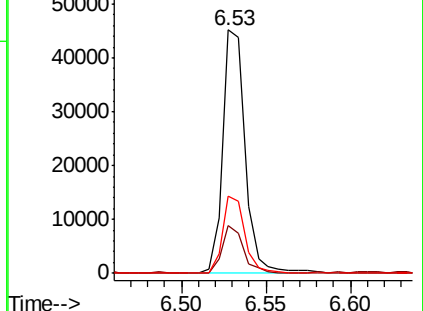
71 31.7 28.2 42.2



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



#18

Hexachloroethane

Concen: 2.274 ng

RT: 7.46 min Scan# 913

Delta R.T. 0.01 min

Lab File: BF117756.D

Acq: 12 Nov 2019 12:59

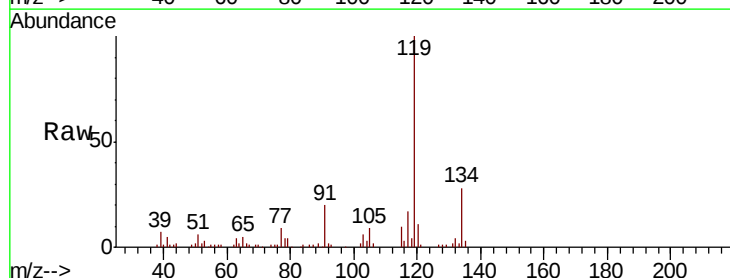
Tgt Ion: 117 Resp: 16826

Ion Ratio Lower Upper

117 100

119 573.5 77.4 116.0#

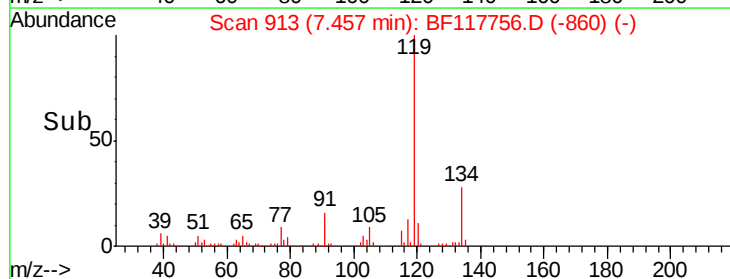
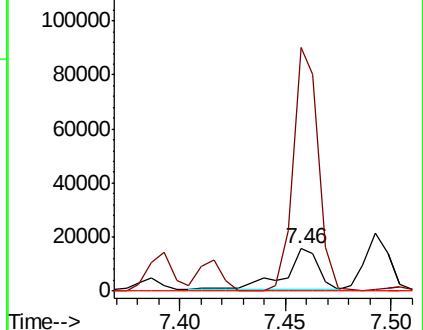
201 0.0 78.4 117.6#

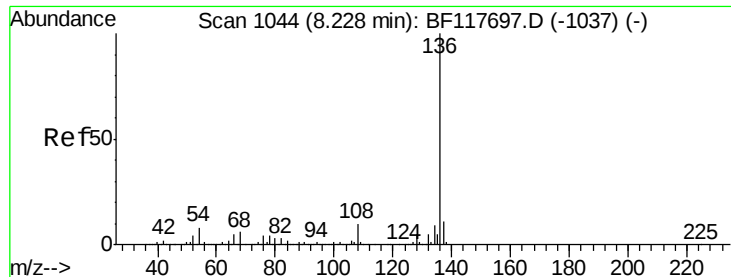


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

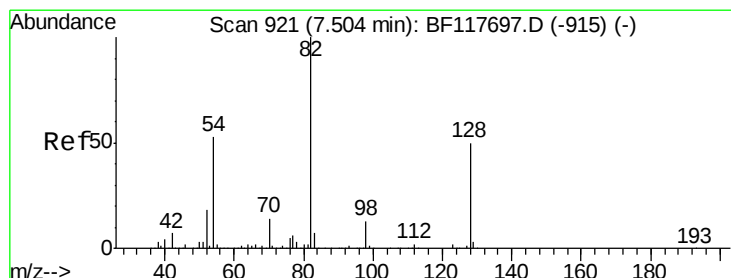
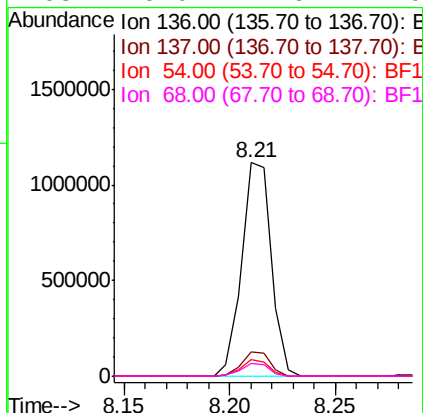
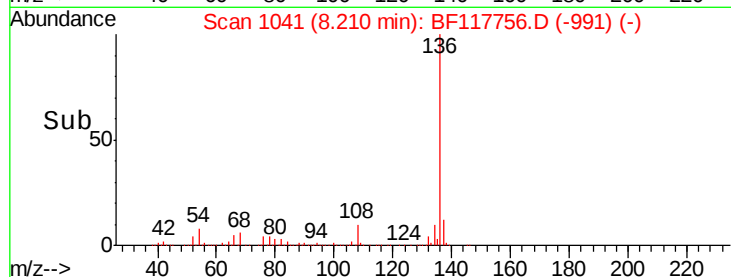
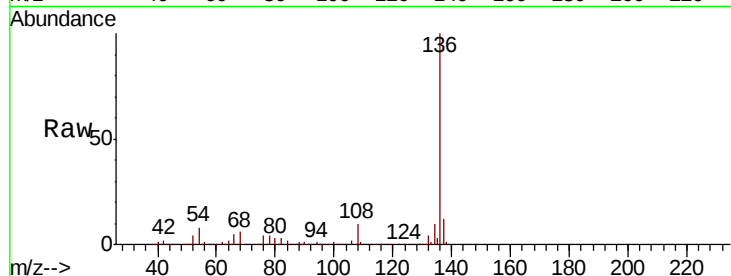




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.21 min Scan# 1041  
Delta R.T. -0.01 min  
Lab File: BF117756.D  
Acq: 12 Nov 2019 12:59

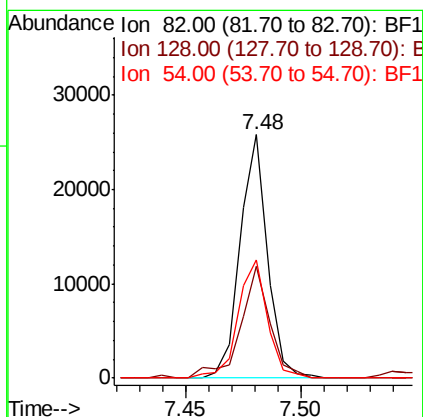
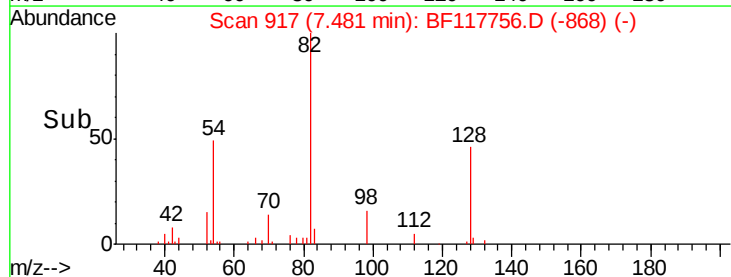
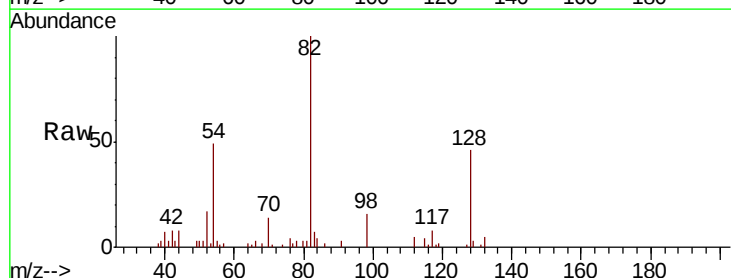
Instrument :  
BNA\_F  
ClientSampleId :  
AOC-7-MIDDLE-(10)DL2

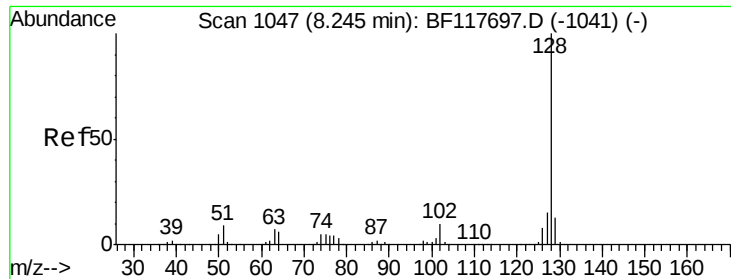
Tot Ion:136 Resp: 1086928  
Ion Ratio Lower Upper  
136 100  
137 11.5 9.0 13.6  
54 7.7 6.1 9.1  
68 6.0 4.6 7.0



#23  
Nitrobenzene-d5  
Concen: 1.162 ng  
RT: 7.48 min Scan# 917  
Delta R.T. -0.01 min  
Lab File: BF117756.D  
Acq: 12 Nov 2019 12:59

Tgt Ion: 82 Resp: 21384  
Ion Ratio Lower Upper  
82 100  
128 46.0 38.7 58.1  
54 48.8 41.4 62.2

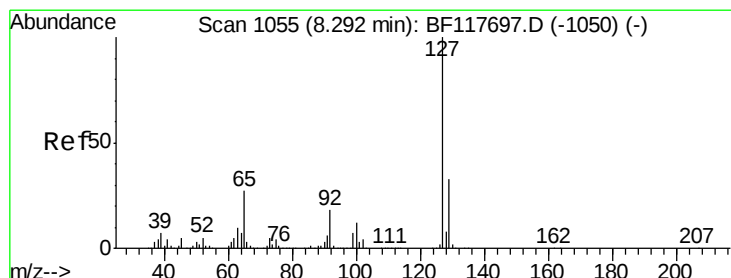
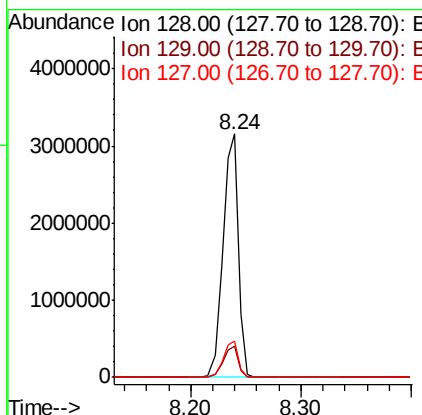
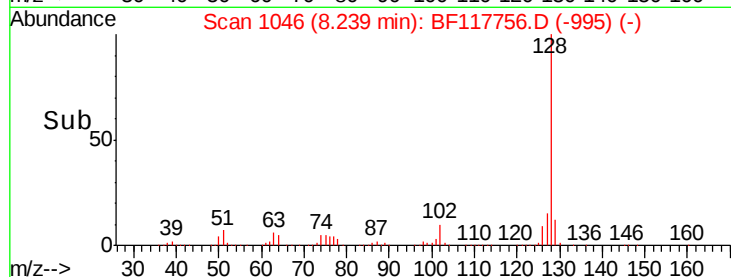
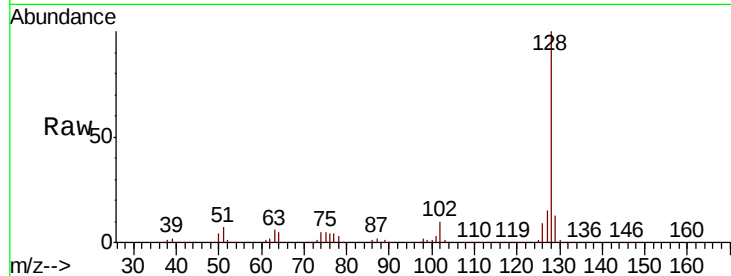




#31  
Naphthalene  
Concen: 61.235 ng  
RT: 8.24 min Scan# 1046  
Delta R.T. 0.00 min  
Lab File: BF117756.D  
Acq: 12 Nov 2019 12:59

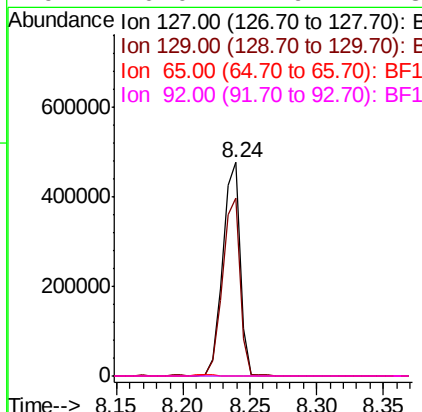
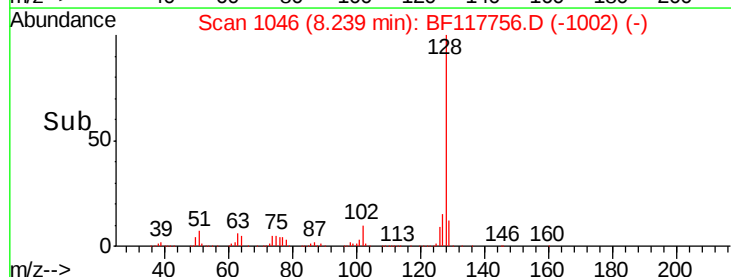
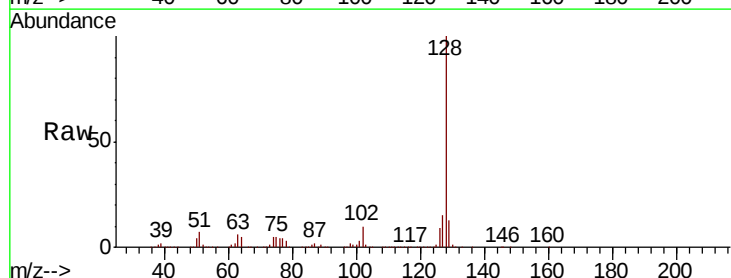
Instrument :  
BNA\_F  
ClientSampleId :  
AOC-7-MIDDLE-(10)DL2

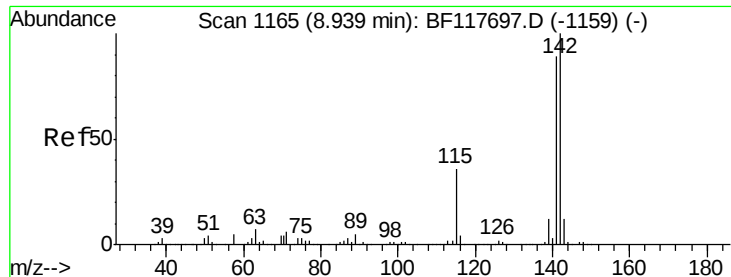
Tot Ion:128 Resp: 3042231  
Ion Ratio Lower Upper  
128 100  
129 12.5 9.6 14.4  
127 15.1 11.4 17.2



#33  
4-Chloroaniline  
Concen: 19.137 ng  
RT: 8.24 min Scan# 1046  
Delta R.T. -0.04 min  
Lab File: BF117756.D  
Acq: 12 Nov 2019 12:59

Tgt Ion:127 Resp: 441773  
Ion Ratio Lower Upper  
127 100  
129 83.1 26.6 39.8#  
65 0.0 23.0 34.6#  
92 0.0 14.9 22.3#

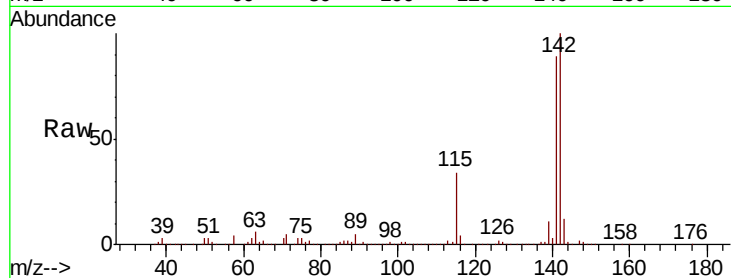




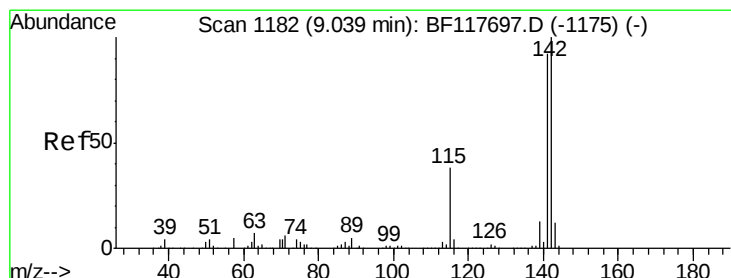
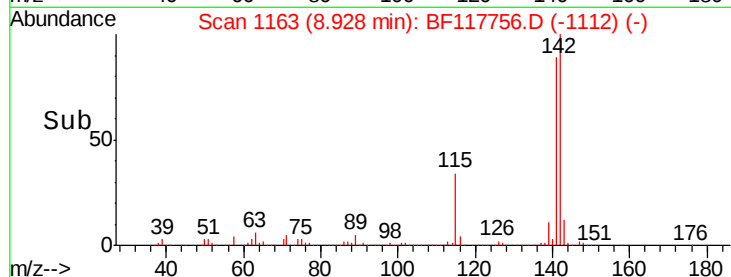
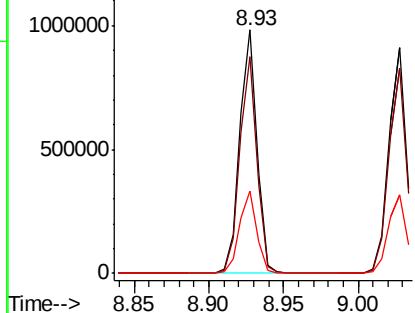
#37  
2-Methylnaphthalene  
Concen: 23.536 ng  
RT: 8.93 min Scan# 1163  
Delta R.T. 0.00 min  
Lab File: BF117756.D  
Acq: 12 Nov 2019 12:59

Instrument :  
BNA\_F  
ClientSampleId :  
AOC-7-MIDDLE-(10)DL2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 88.8  | 70.2  | 105.4 |
| 115     | 33.8  | 28.8  | 43.2  |

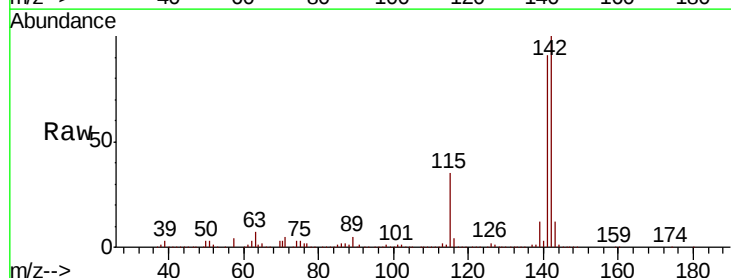


Abundance Ion 142.00 (141.70 to 142.70): E  
Ion 141.00 (140.70 to 141.70): E  
Ion 115.00 (114.70 to 115.70): E

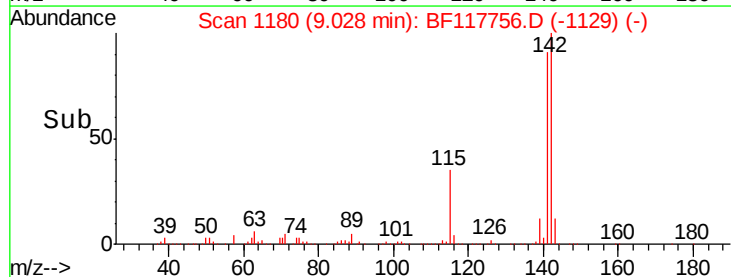
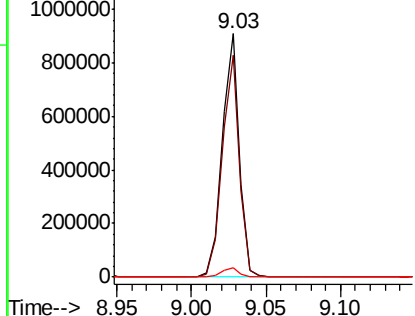


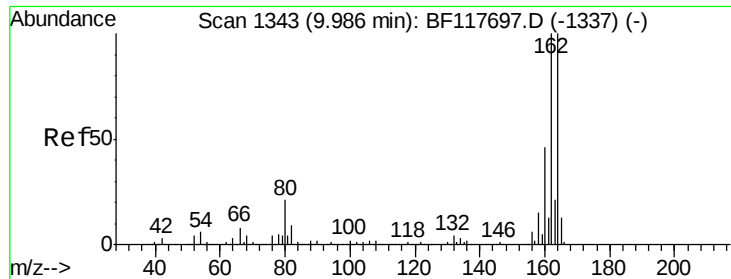
#38  
1-Methylnaphthalene  
Concen: 22.834 ng  
RT: 9.03 min Scan# 1180  
Delta R.T. 0.00 min  
Lab File: BF117756.D  
Acq: 12 Nov 2019 12:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 91.2  | 73.5  | 110.3 |
| 116     | 3.7   | 3.3   | 4.9   |



Abundance Ion 142.00 (141.70 to 142.70): E  
Ion 141.00 (140.70 to 141.70): E  
Ion 116.00 (115.70 to 116.70): E

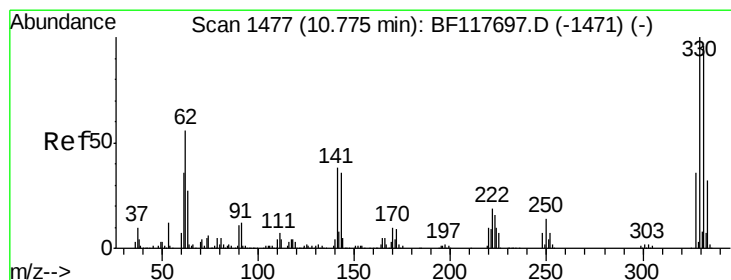
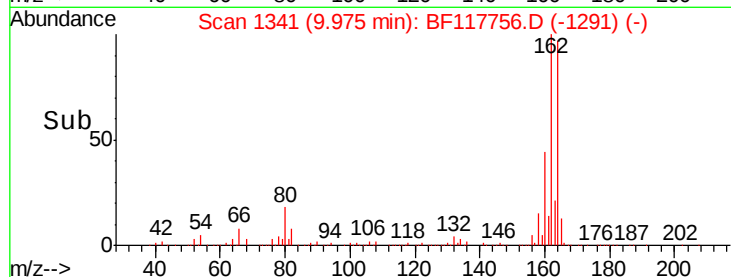
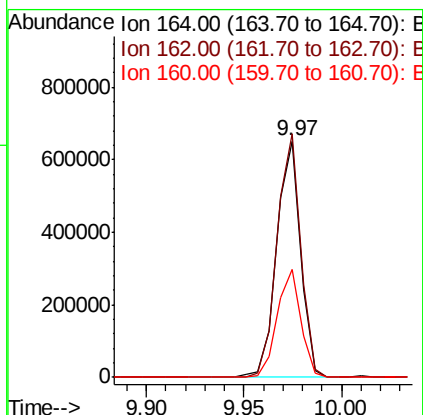
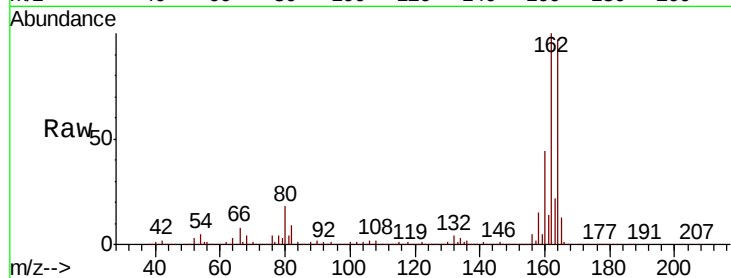




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.97 min Scan# 1341  
Delta R.T. -0.01 min  
Lab File: BF117756.D  
Acq: 12 Nov 2019 12:59

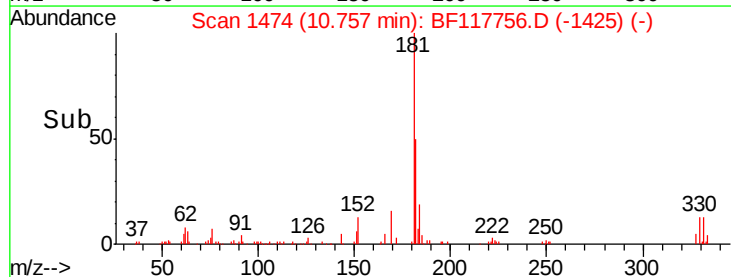
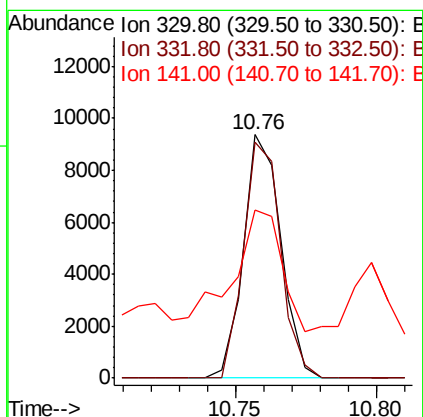
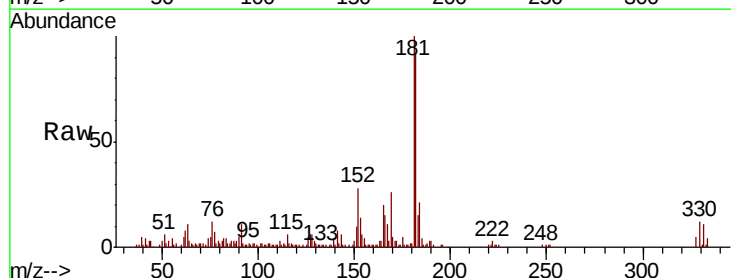
Instrument :  
BNA\_F  
ClientSampleId :  
AOC-7-MIDDLE-(10)DL2

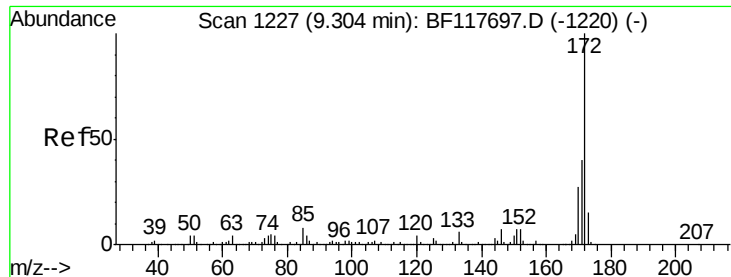
Tot Ion:164 Resp: 553136  
Ion Ratio Lower Upper  
164 100  
162 102.9 81.2 121.8  
160 45.7 36.3 54.5



#42  
2,4,6-Tribromophenol  
Concen: 1.591 ng  
RT: 10.76 min Scan# 1474  
Delta R.T. -0.01 min  
Lab File: BF117756.D  
Acq: 12 Nov 2019 12:59

Tgt Ion:330 Resp: 8608  
Ion Ratio Lower Upper  
330 100  
332 96.2 76.9 115.3  
141 59.9 26.5 39.7#

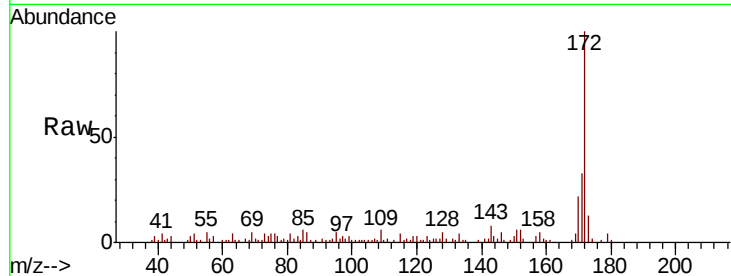




#45  
2-Fluorobiphenyl  
Concen: 1.530 ng  
RT: 9.29 min Scan# 1224  
Delta R.T. -0.01 min  
Lab File: BF117756.D  
Acq: 12 Nov 2019 12:59

Instrument :  
BNA\_F  
ClientSampleId :  
AOC-7-MIDDLE-(10)DL2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 33.3  | 30.7  | 46.1  |
| 170     | 22.2  | 20.6  | 30.8  |

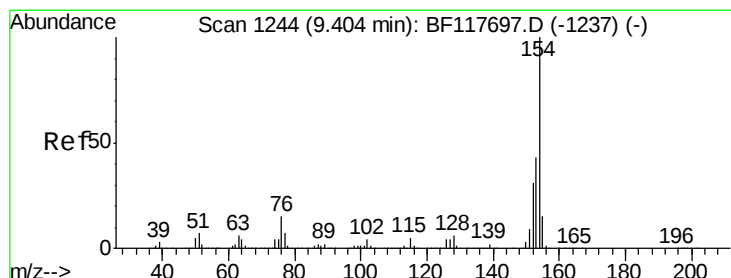
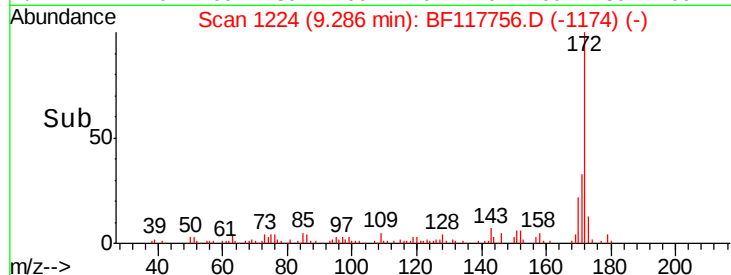
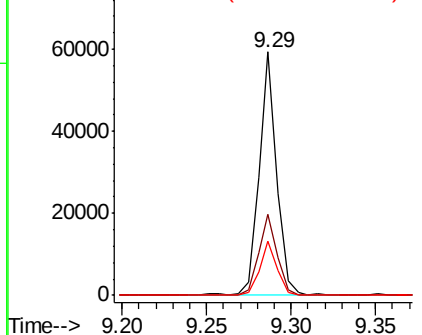


Abundance

Ion 172.00 (171.70 to 172.70): E

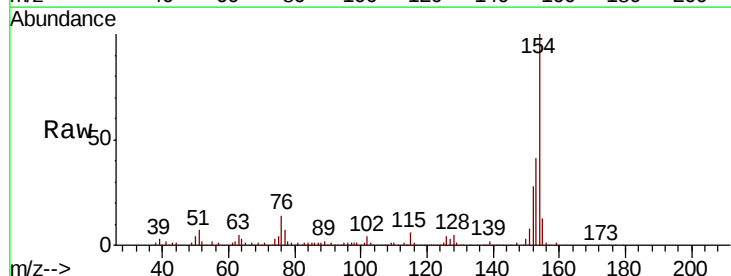
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46  
1,1'-Biphenyl  
Concen: 4.506 ng  
RT: 9.39 min Scan# 1241  
Delta R.T. -0.01 min  
Lab File: BF117756.D  
Acq: 12 Nov 2019 12:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 41.2  | 21.6  | 61.6  |
| 76      | 14.1  | 0.0   | 32.0  |

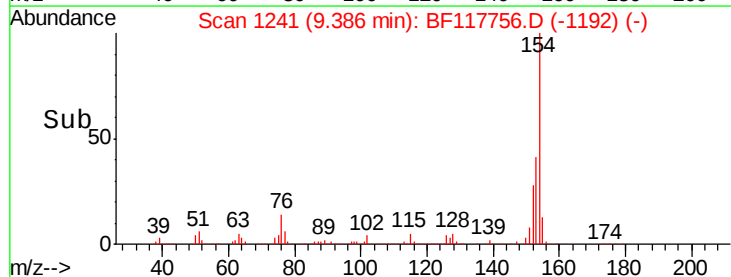
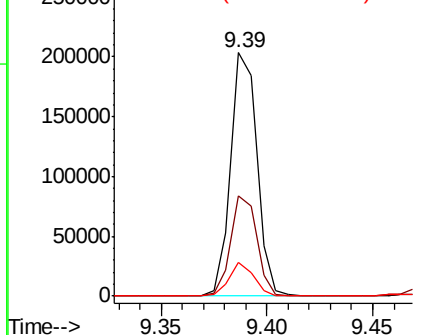


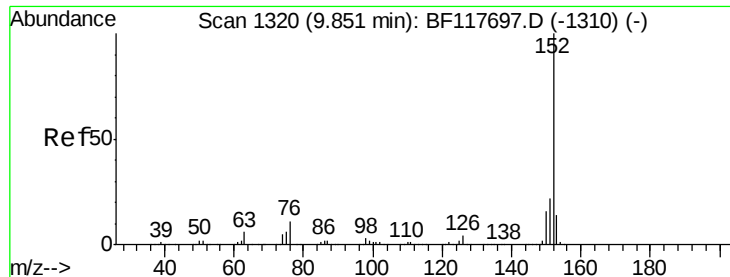
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1





#49

Acenaphthylene

Concen: 3.231 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.01 min

Lab File: BF117756.D

Acq: 12 Nov 2019 12:59

Instrument :

BNA\_F

ClientSampleId :

AOC-7-MIDDLE-(10)DL2

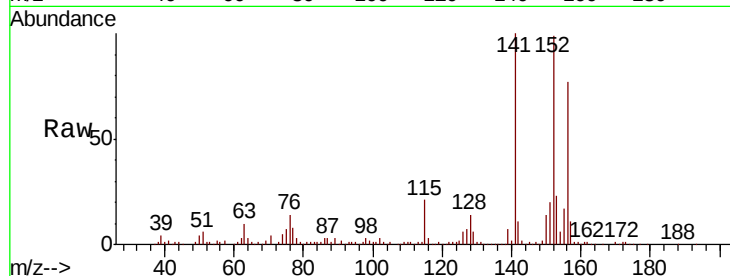
Tot Ion:152 Resp: 151264

Ion Ratio Lower Upper

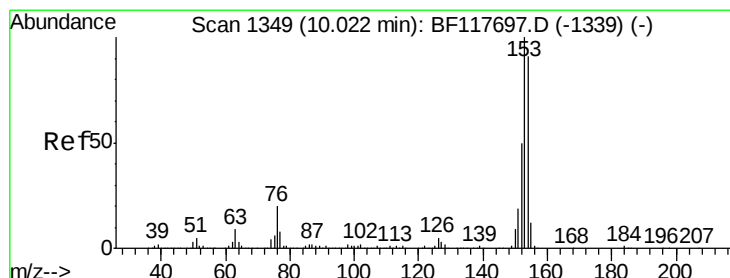
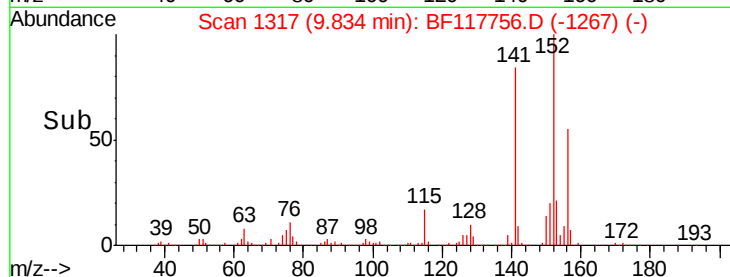
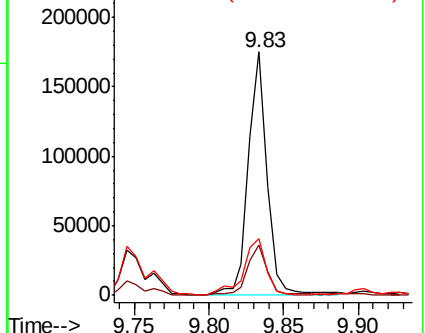
152 100

151 20.5 17.5 26.3

153 23.2 11.7 17.5#



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



#52

Acenaphthene

Concen: 11.302 ng

RT: 10.00 min Scan# 1346

Delta R.T. -0.01 min

Lab File: BF117756.D

Acq: 12 Nov 2019 12:59

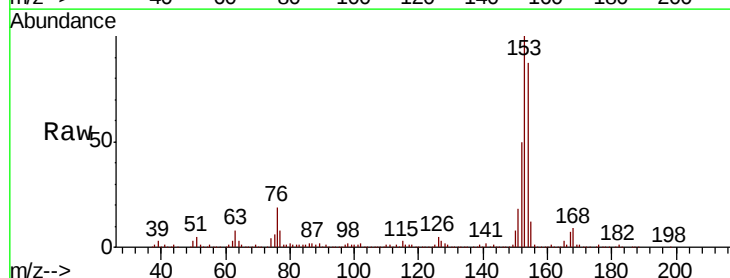
Tgt Ion:154 Resp: 341431

Ion Ratio Lower Upper

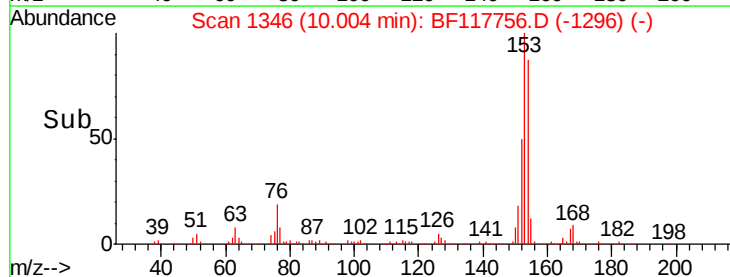
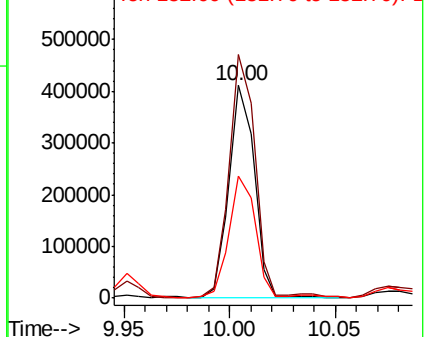
154 100

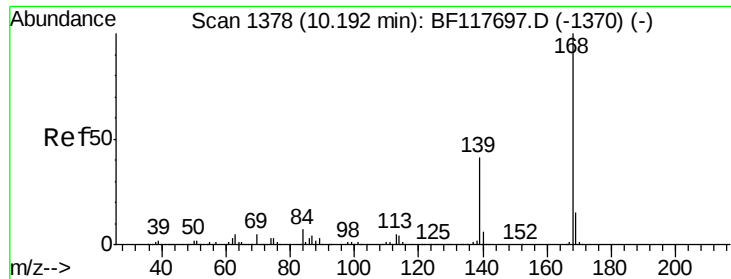
153 114.5 89.0 133.6

152 57.3 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E

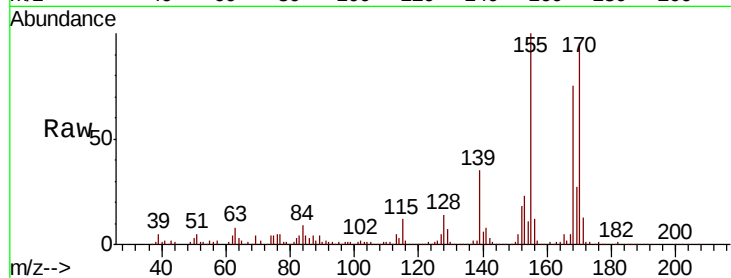




#55  
Dibenzofuran  
Concen: 2.970 ng  
RT: 10.17 min Scan# 1375  
Delta R.T. -0.01 min  
Lab File: BF117756.D  
Acq: 12 Nov 2019 12:59

Instrument :  
BNA\_F  
ClientSampleId :  
AOC-7-MIDDLE-(10)DL2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 47.0  | 31.4  | 47.2  |
| 169     | 36.1  | 11.1  | 16.7# |

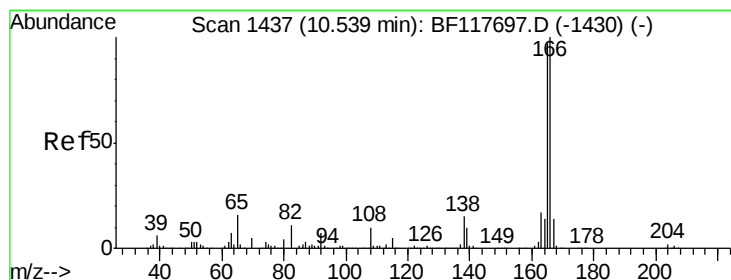
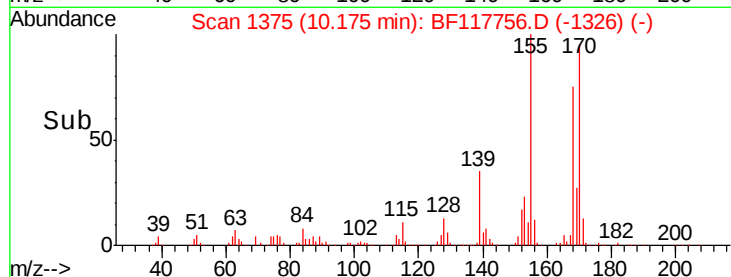
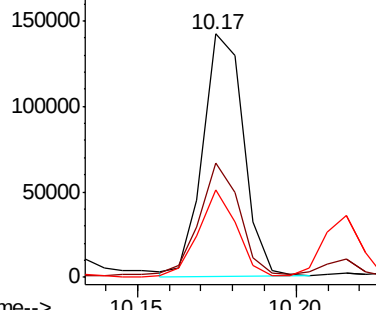


Abundance

Ion 168.00 (167.70 to 168.70): E

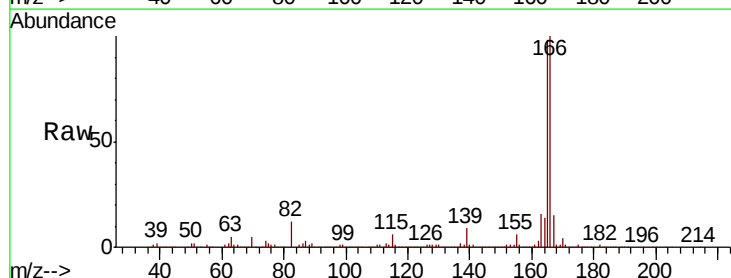
Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#58  
Fluorene  
Concen: 21.676 ng  
RT: 10.52 min Scan# 1434  
Delta R.T. -0.01 min  
Lab File: BF117756.D  
Acq: 12 Nov 2019 12:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 98.1  | 77.5  | 116.3 |
| 167     | 14.5  | 11.3  | 16.9  |

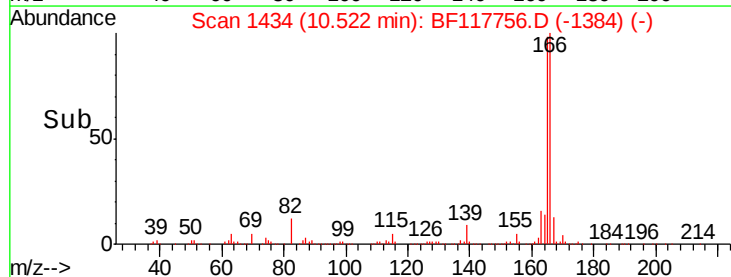
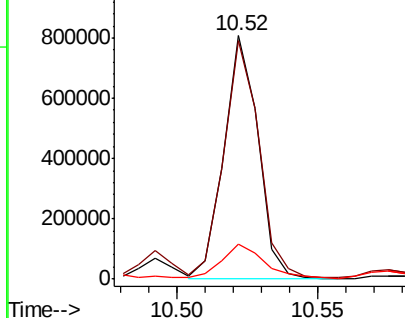


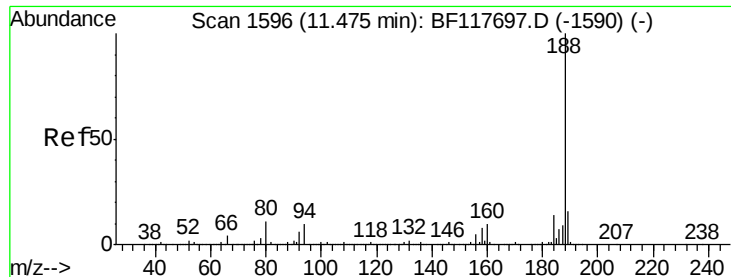
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

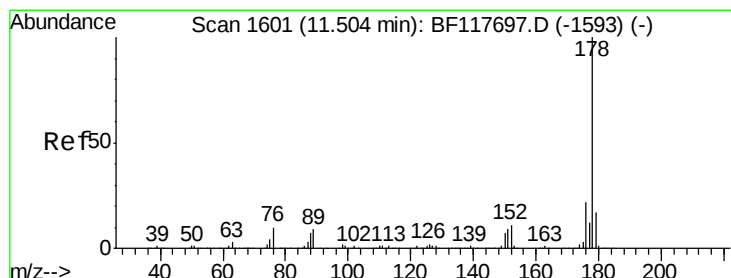
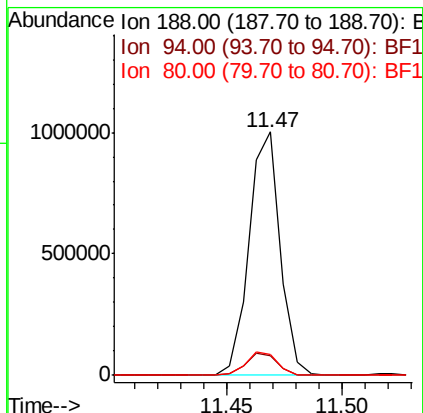
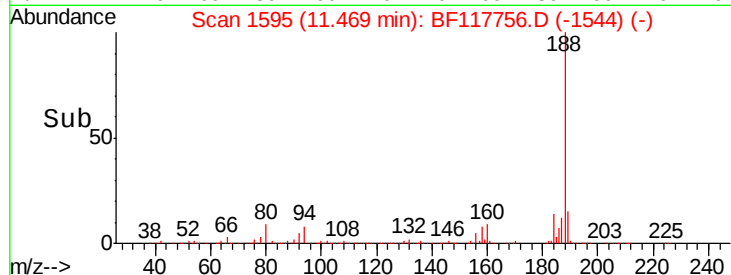
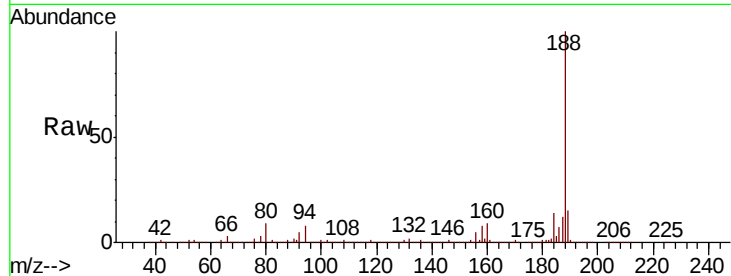




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.47 min Scan# 1595  
Delta R.T. 0.00 min  
Lab File: BF117756.D  
Acq: 12 Nov 2019 12:59

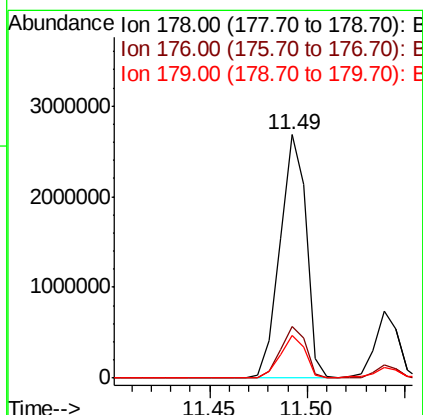
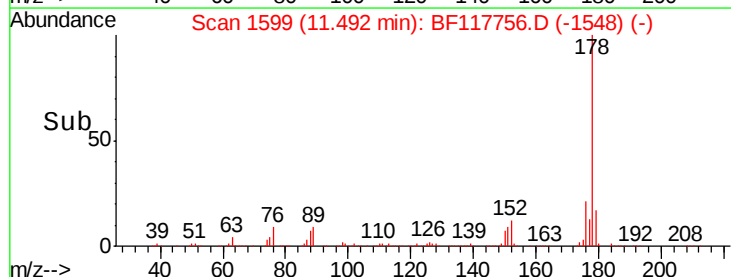
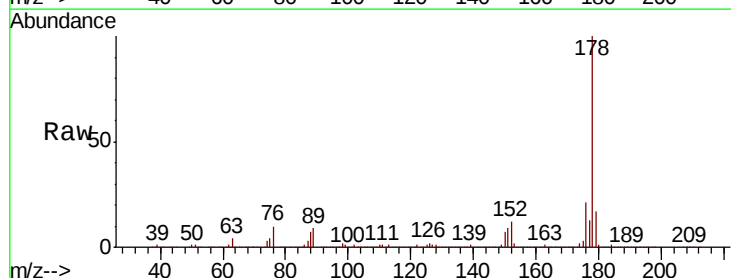
Instrument :  
BNA\_F  
ClientSampleId :  
AOC-7-MIDDLE-(10)DL2

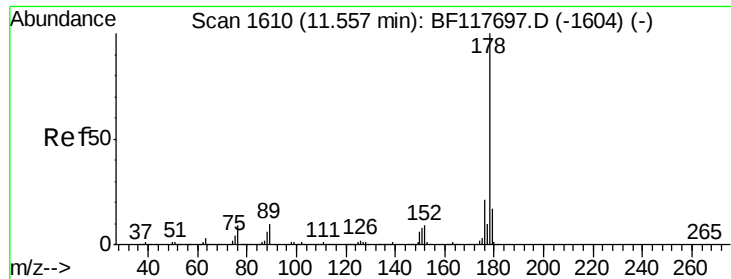
Tot Ion:188 Resp: 941030  
Ion Ratio Lower Upper  
188 100  
94 8.2 7.4 11.2  
80 8.8 8.1 12.1



#71  
Phenanthrene  
Concen: 55.130 ng  
RT: 11.49 min Scan# 1599  
Delta R.T. 0.00 min  
Lab File: BF117756.D  
Acq: 12 Nov 2019 12:59

Tgt Ion:178 Resp: 2486669  
Ion Ratio Lower Upper  
178 100  
176 21.4 16.8 25.2  
179 17.4 13.5 20.3





#72

Anthracene

Concen: 13.129 ng

RT: 11.54 min Scan# 1607

Delta R.T. -0.01 min

Lab File: BF117756.D

Acq: 12 Nov 2019 12:59

Instrument :

BNA\_F

ClientSampleId :

AOC-7-MIDDLE-(10)DL2

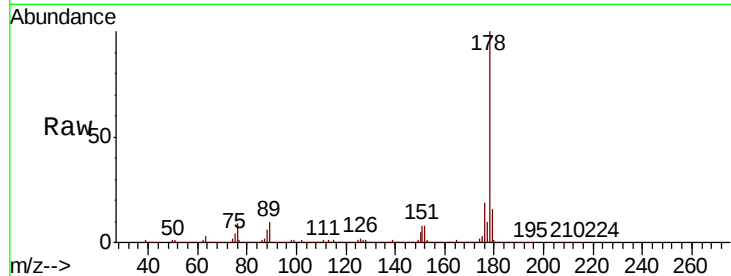
Tot Ion:178 Resp: 589141

Ion Ratio Lower Upper

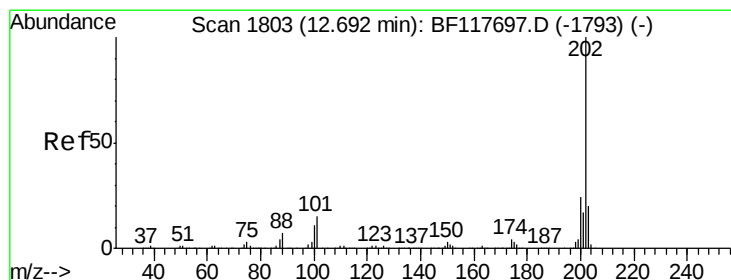
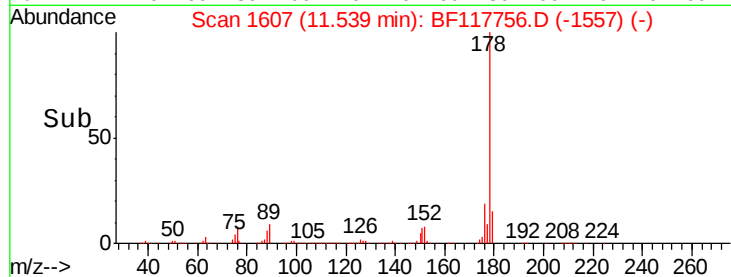
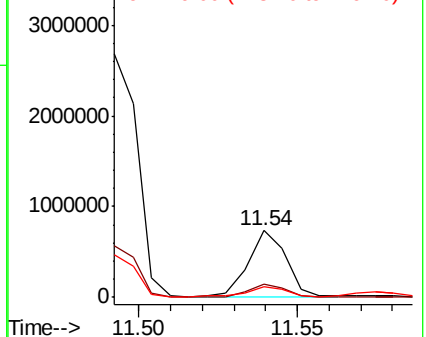
178 100

176 19.1 16.4 24.6

179 16.0 13.6 20.4



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: 17.962 ng

RT: 12.69 min Scan# 1802

Delta R.T. 0.00 min

Lab File: BF117756.D

Acq: 12 Nov 2019 12:59

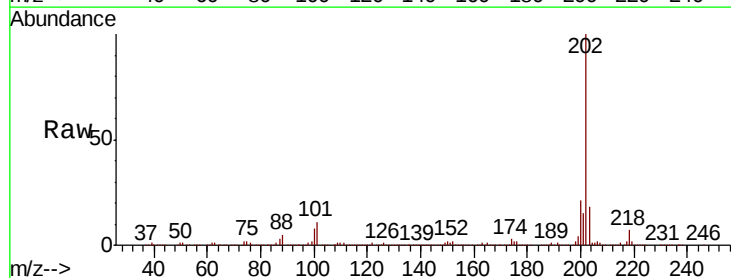
Tgt Ion:202 Resp: 827287

Ion Ratio Lower Upper

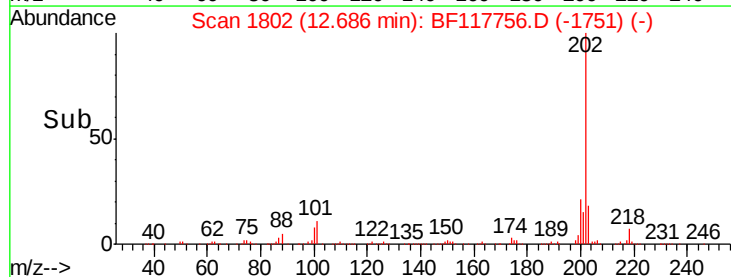
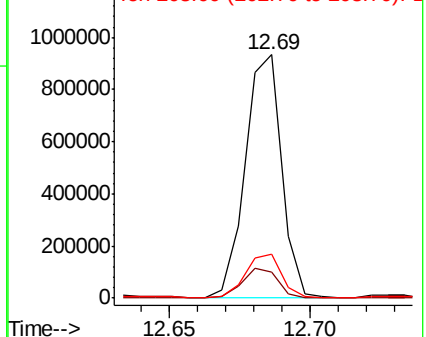
202 100

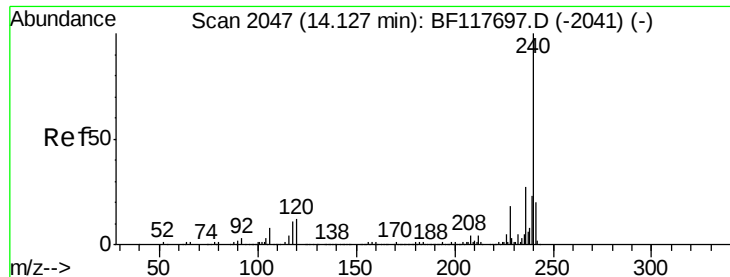
101 10.7 0.0 32.5

203 18.0 0.0 38.9



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

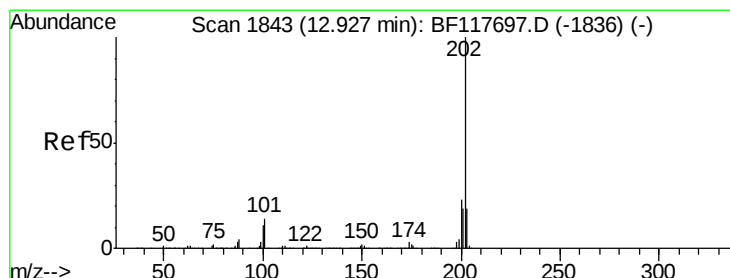
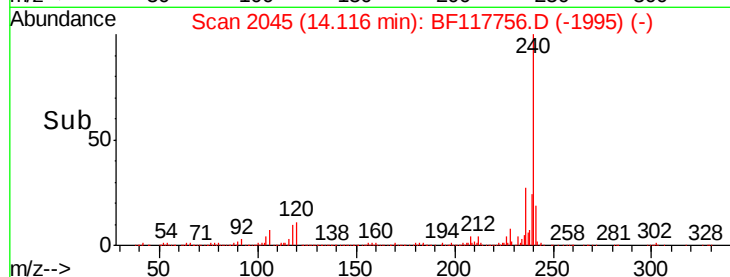
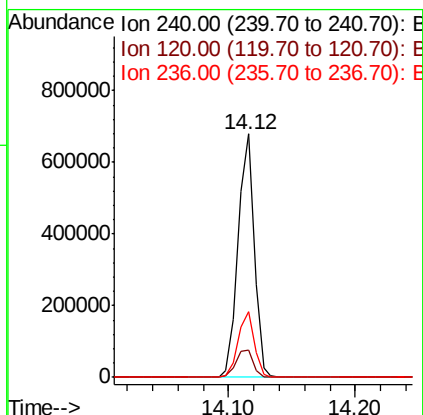
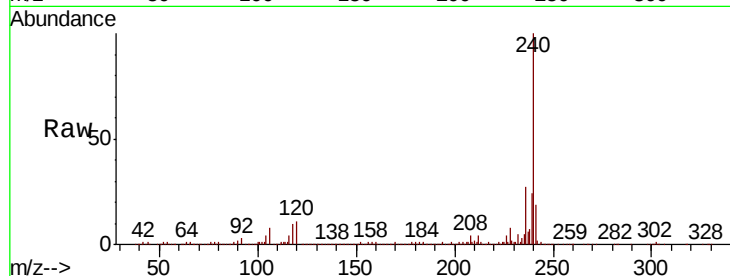




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.12 min Scan# 2045  
Delta R.T. -0.01 min  
Lab File: BF117756.D  
Acq: 12 Nov 2019 12:59

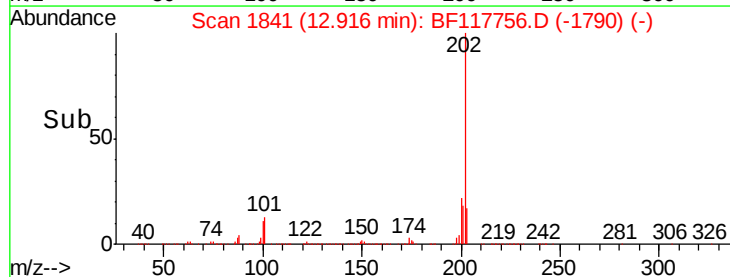
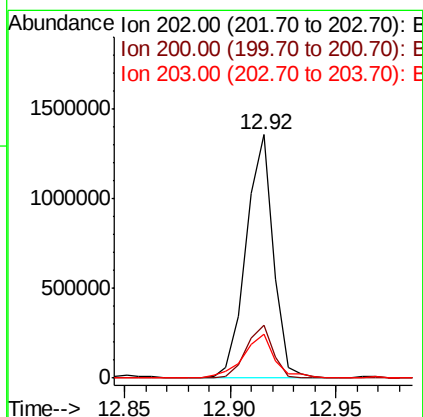
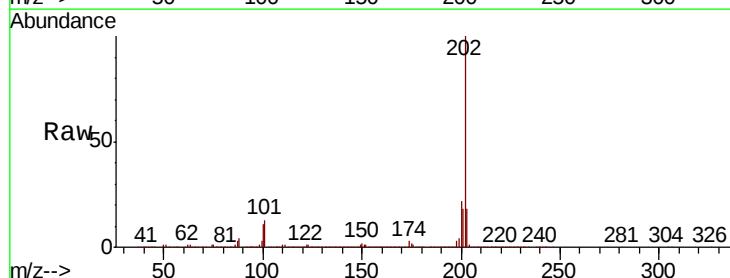
Instrument :  
BNA\_F  
ClientSampleId :  
AOC-7-MIDDLE-(10)DL2

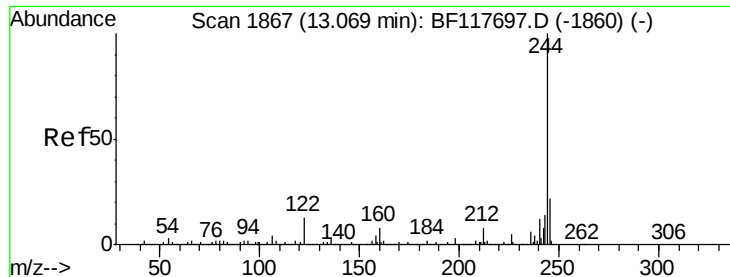
Tot Ion:240 Resp: 591386  
Ion Ratio Lower Upper  
240 100  
120 11.2 9.3 13.9  
236 26.8 21.4 32.0



#78  
Pyrene  
Concen: 28.108 ng  
RT: 12.92 min Scan# 1841  
Delta R.T. 0.00 min  
Lab File: BF117756.D  
Acq: 12 Nov 2019 12:59

Tgt Ion:202 Resp: 1213425  
Ion Ratio Lower Upper  
202 100  
200 21.8 18.9 28.3  
203 18.0 15.3 22.9





#79

Terphenyl-d14

Concen: 1.295 ng

RT: 13.05 min Scan# 1864

Delta R.T. -0.01 min

Lab File: BF117756.D

Acq: 12 Nov 2019 12:59

Instrument :

BNA\_F

ClientSampleId :

AOC-7-MIDDLE-(10)DL2

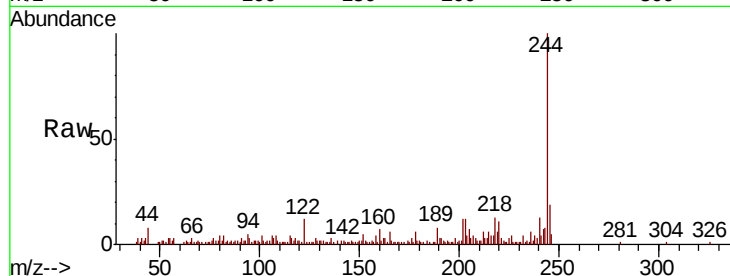
Tot Ion:244 Resp: 37196

Ion Ratio Lower Upper

244 100

212 6.3 6.2 9.4

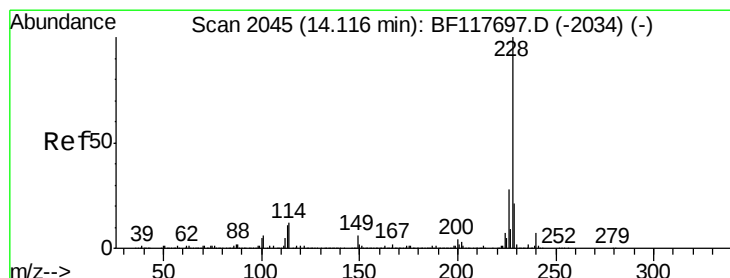
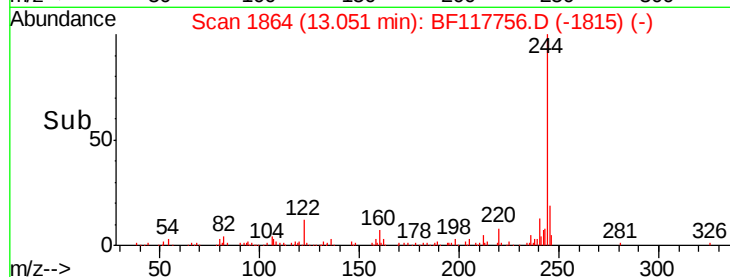
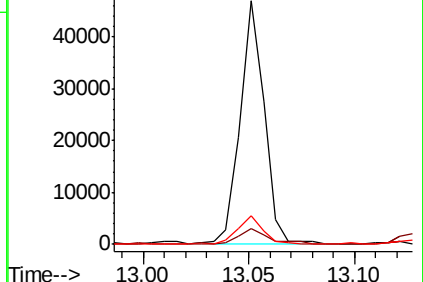
122 11.7 9.1 13.7



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: 8.816 ng

RT: 14.14 min Scan# 2049

Delta R.T. 0.03 min

Lab File: BF117756.D

Acq: 12 Nov 2019 12:59

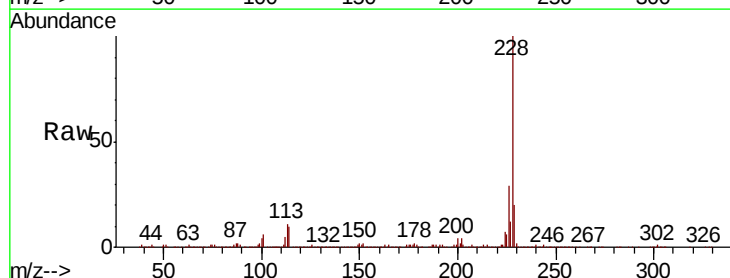
Tgt Ion:228 Resp: 324541

Ion Ratio Lower Upper

228 100

226 29.4 22.6 33.8

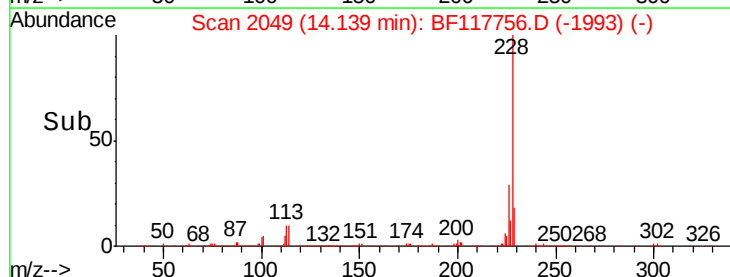
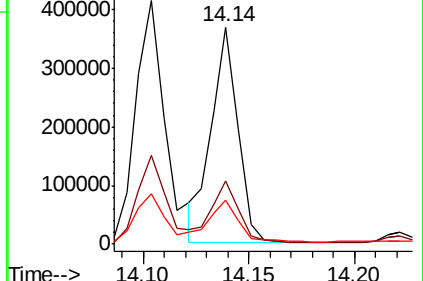
229 20.3 17.0 25.4

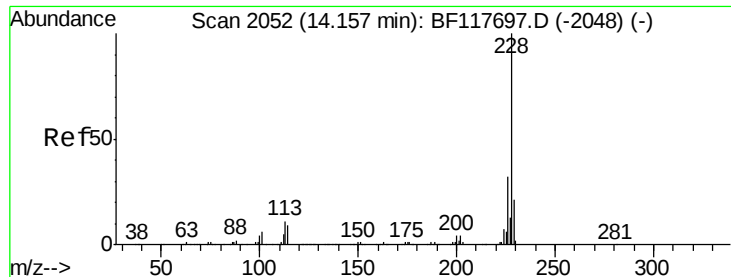


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

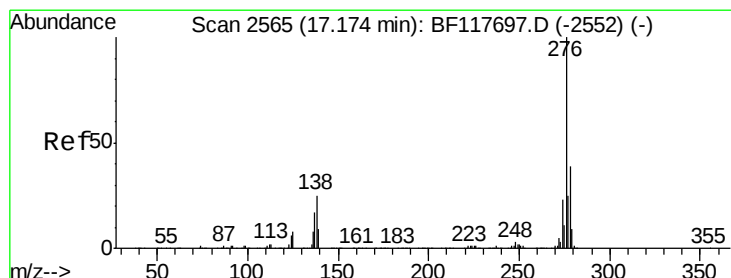
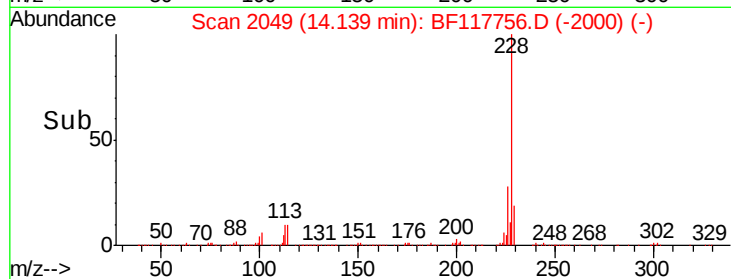
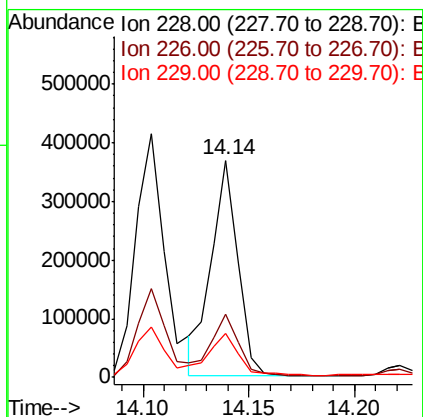
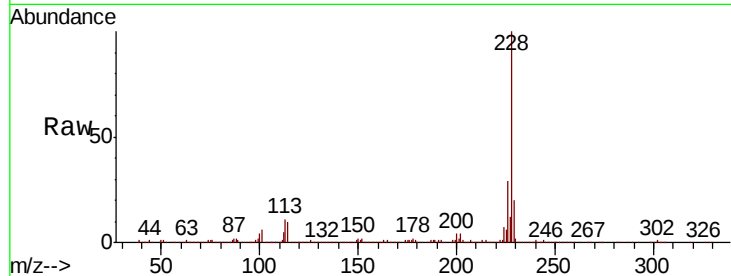




#83  
Chrysene  
Concen: 8.928 ng  
RT: 14.14 min Scan# 2049  
Delta R.T. -0.01 min  
Lab File: BF117756.D  
Acq: 12 Nov 2019 12:59

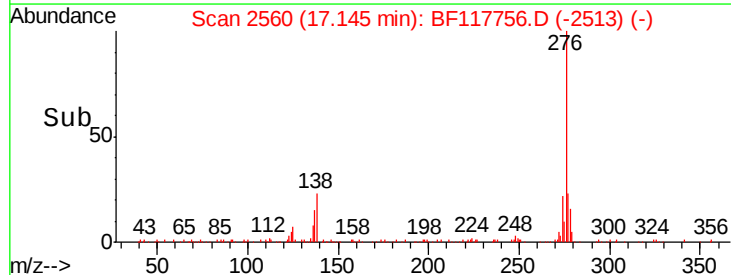
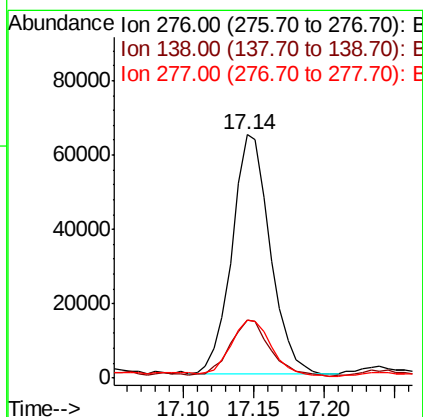
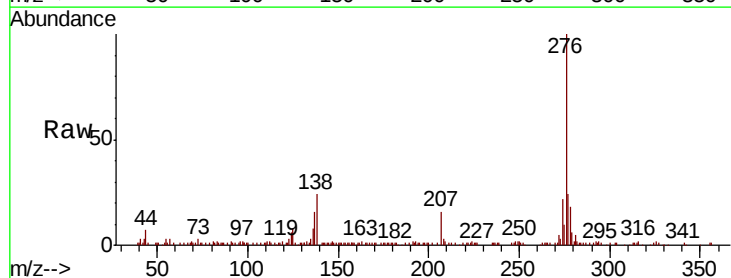
Instrument :  
BNA\_F  
ClientSampleId :  
AOC-7-MIDDLE-(10)DL2

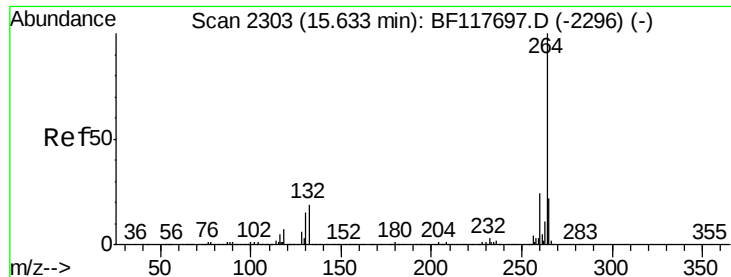
Tot Ion:228 Resp: 324541  
Ion Ratio Lower Upper  
228 100  
226 29.4 25.1 37.7  
229 20.3 16.6 25.0



#86  
Indeno(1,2,3-cd)pyrene  
Concen: 3.594 ng  
RT: 17.14 min Scan# 2560  
Delta R.T. -0.02 min  
Lab File: BF117756.D  
Acq: 12 Nov 2019 12:59

Tgt Ion:276 Resp: 121592  
Ion Ratio Lower Upper  
276 100  
138 24.4 21.2 31.8  
277 24.8 20.1 30.1





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.63 min Scan# 2302

Delta R.T. 0.00 min

Lab File: BF117756.D

Acq: 12 Nov 2019 12:59

Instrument :

BNA\_F

ClientSampleId :

AOC-7-MIDDLE-(10)DL2

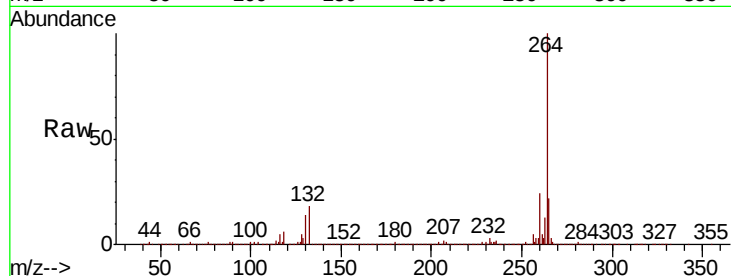
Tot Ion:264 Resp: 753487

Ion Ratio Lower Upper

264 100

260 24.3 19.0 28.6

265 22.3 17.2 25.8

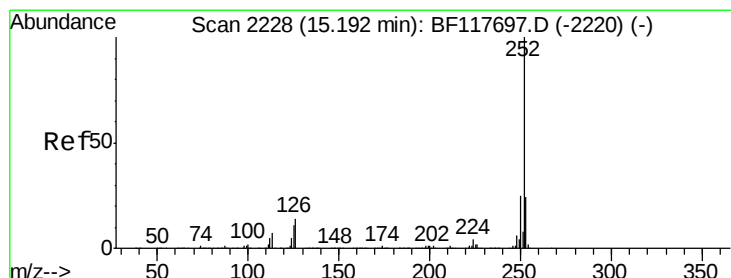
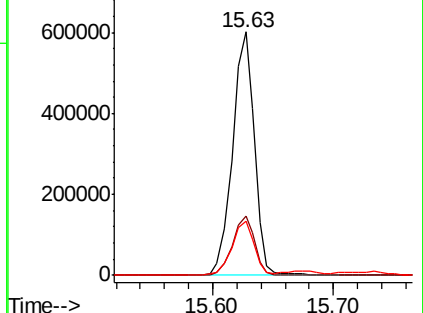
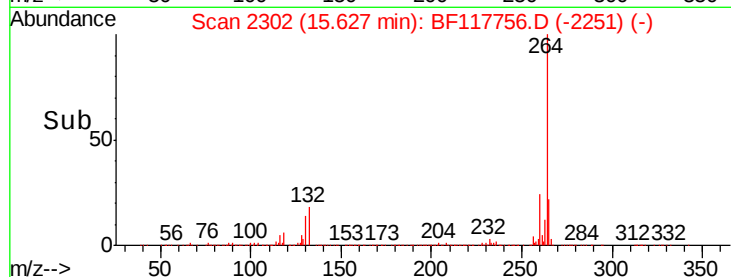


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 7.158 ng

RT: 15.18 min Scan# 2226

Delta R.T. -0.01 min

Lab File: BF117756.D

Acq: 12 Nov 2019 12:59

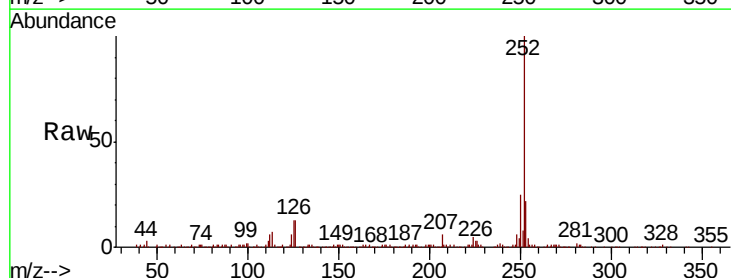
Tgt Ion:252 Resp: 339698

Ion Ratio Lower Upper

252 100

253 21.6 18.3 27.5

125 13.0 8.4 12.6#

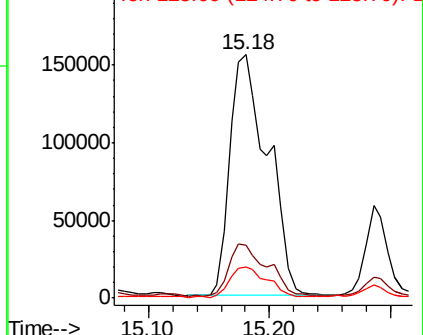
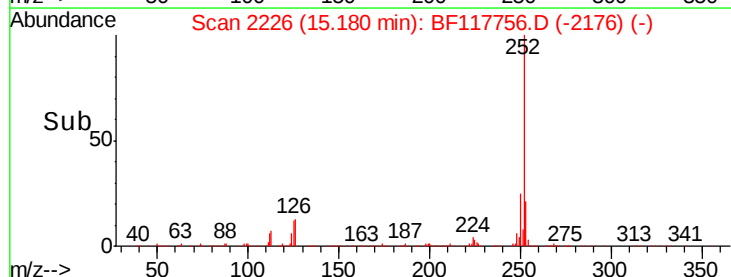


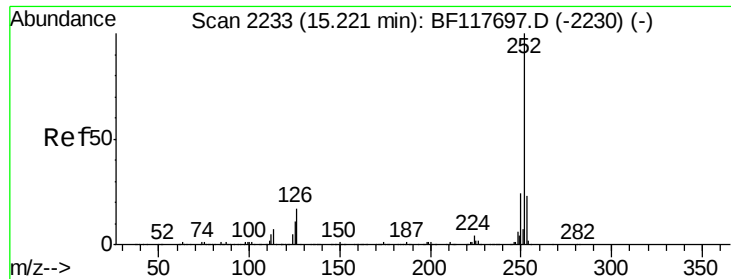
Abundance

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

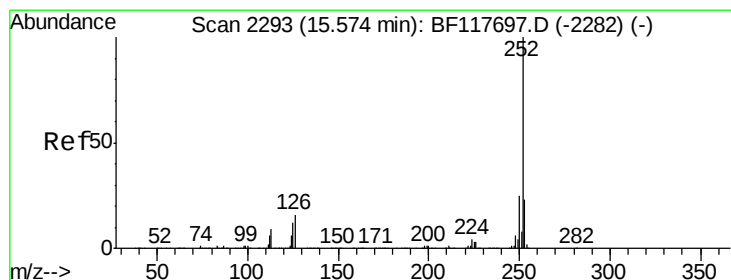
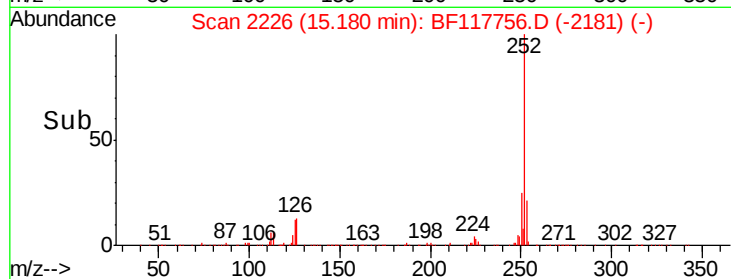
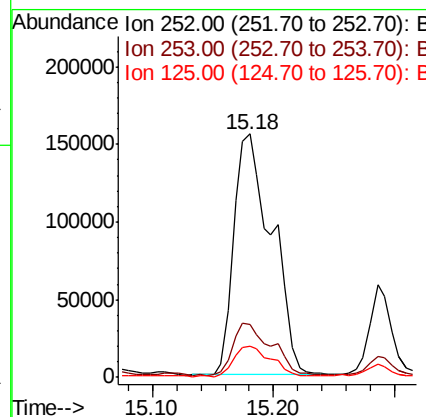
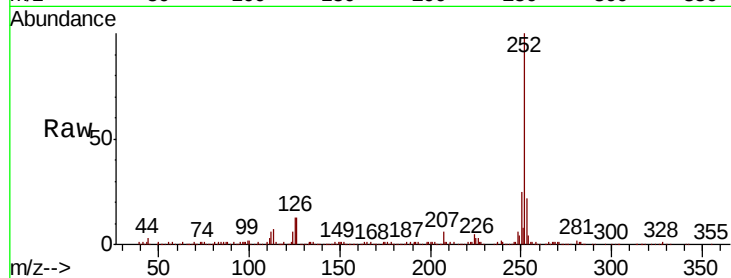




#89  
Benzo(k)fluoranthene  
Concen: 8.026 ng  
RT: 15.18 min Scan# 2226  
Delta R.T. -0.04 min  
Lab File: BF117756.D  
Acq: 12 Nov 2019 12:59

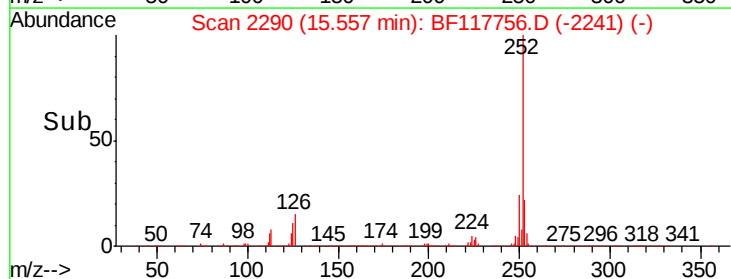
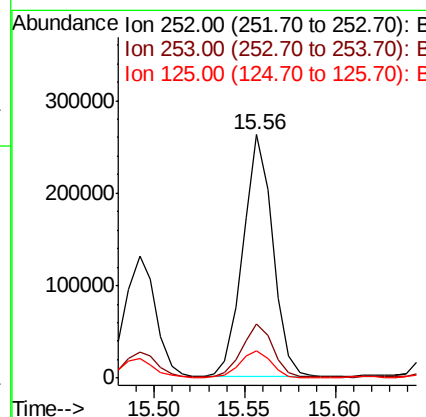
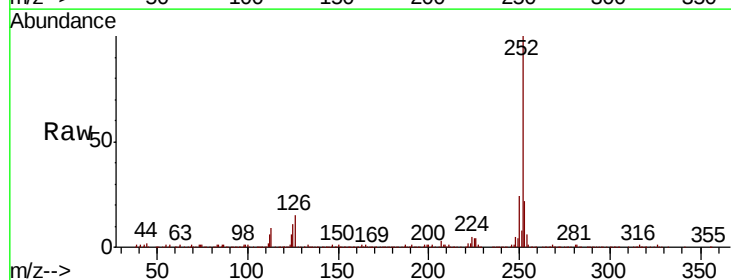
Instrument :  
BNA\_F  
ClientSampleId :  
AOC-7-MIDDLE-(10)DL2

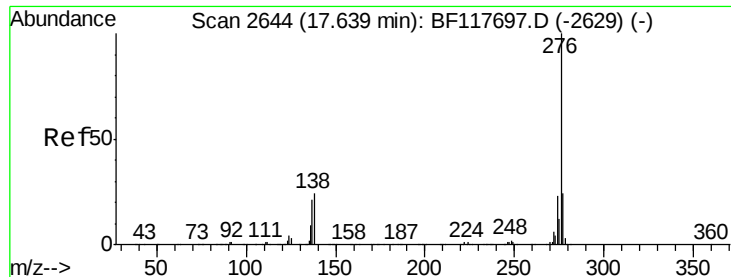
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.6  | 18.6  | 28.0  |
| 125     | 13.0  | 8.9   | 13.3  |



#90  
Benzo(a)pyrene  
Concen: 7.279 ng  
RT: 15.56 min Scan# 2290  
Delta R.T. -0.01 min  
Lab File: BF117756.D  
Acq: 12 Nov 2019 12:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.2  | 18.2  | 27.2  |
| 125     | 11.4  | 9.6   | 14.4  |





#92  
 Benzo(a,h,i)perylene  
 Concen: 3.553 ng  
 RT: 17.61 min Scan# 2639  
 Delta R.T. -0.02 min  
 Lab File: BF117756.D  
 Acq: 12 Nov 2019 12:59

Instrument :  
 BNA\_F  
 ClientSampleId :  
 AOC-7-MIDDLE-(10)DL2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 23.9  | 19.0  | 28.6  |
| 138     | 22.1  | 18.6  | 27.8  |

