

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061419\  
 Data File : BF115061.D  
 Acq On : 15 Jun 2019 00:49  
 Operator : HP/JU  
 Sample : K3343-01RE  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FK-0D015-03-008RE

Quant Time: Jun 15 06:39:14 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061219.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 12 15:42:37 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.65  | 152  | 304986   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 7.93  | 136  | 1150821  | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.67  | 164  | 521282   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.15 | 188  | 877984   | 20.00 | ng    | -0.01    |
| 76) Chrysene-d12          | 13.77 | 240  | 482518   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.15 | 264  | 512070   | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 5) 2-Fluorophenol           | 5.27  | 112  | 1125     | 0.06  | ng    | 0.02     |
| 7) Phenol-d6                | 6.29  | 99   | 31815    | 1.44  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.21  | 82   | 1265437  | 66.19 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 0.00  | 330  | 0        | 0.00  | ng    |          |
| 45) 2-Fluorobiphenyl        | 9.00  | 172  | 2311846  | 75.16 | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.73 | 244  | 1838584  | 71.67 | ng    | 0.00     |

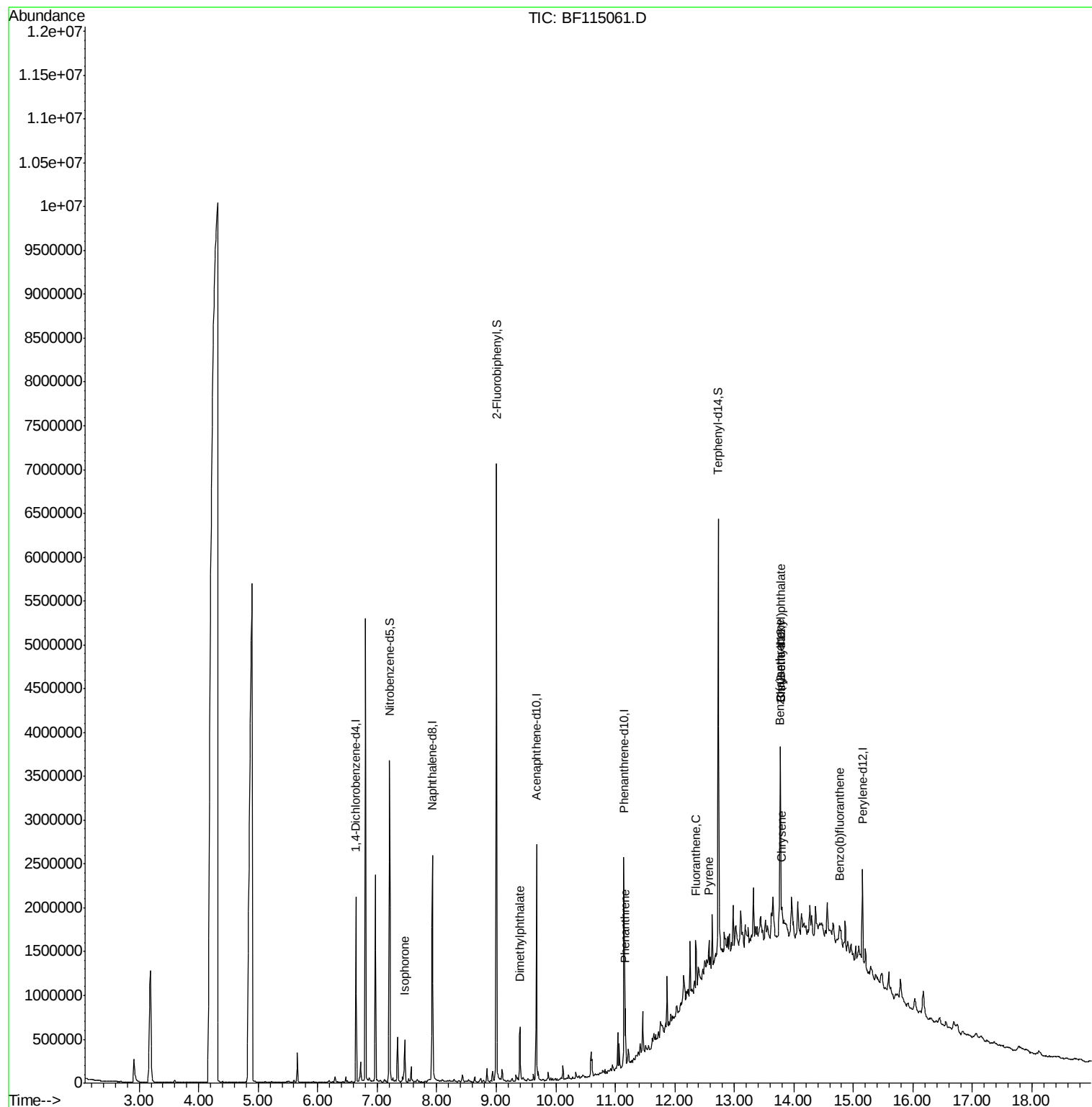
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 25) Isophorone                 | 7.46  | 82   | 174633   | 4.877 | ng    | 97     |
| 50) Dimethylphthalate          | 9.40  | 163  | 267681   | 6.828 | ng    | 97     |
| 71) Phenanthrene               | 11.17 | 178  | 220251   | 4.859 | ng    | 96     |
| 75) Fluoranthene               | 12.35 | 202  | 205346   | 4.430 | ng    | 97     |
| 78) Pyrene                     | 12.57 | 202  | 159834   | 3.636 | ng    | 97     |
| 81) Benzo(a)anthracene         | 13.76 | 228  | 74919    | 2.075 | ng    | 99     |
| 83) Chrysene                   | 13.80 | 228  | 80746    | 2.249 | ng    | 96     |
| 84) Bis(2-ethylhexyl)phthalate | 13.77 | 149  | 202938   | 8.363 | ng    | 100    |
| 88) Benzo(b)fluoranthene       | 14.77 | 252  | 99811m   | 2.932 | ng    |        |

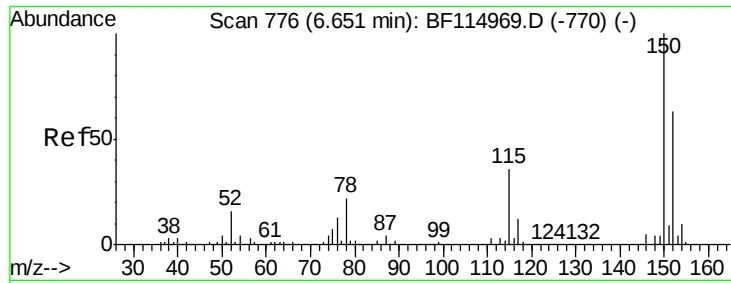
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061419\  
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Sample : K3343-01RE  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
FK-0D015-03-008RE

Quant Time: Jun 15 06:39:14 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061219.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jun 12 15:42:37 2019  
Response via : Initial Calibration



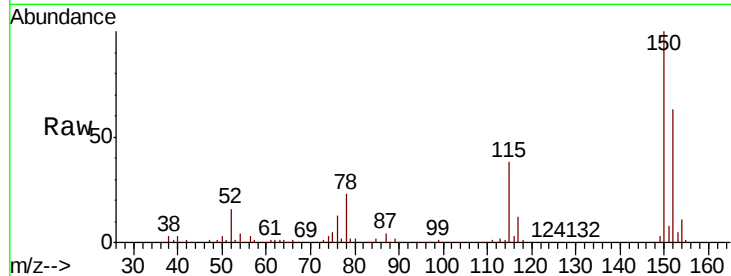


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.65 min Scan# 775  
Delta R.T. -0.01 min  
Lab File: BF115061.D  
Acq: 15 Jun 2019 00:49

Instrument :  
BNA\_F  
ClientSampleId :  
FK-0D015-03-008RE

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 157.8 | 127.4 | 191.0 |
| 115     | 59.9  | 46.0  | 69.0  |

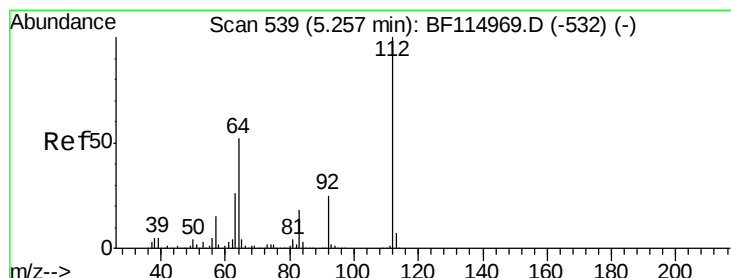
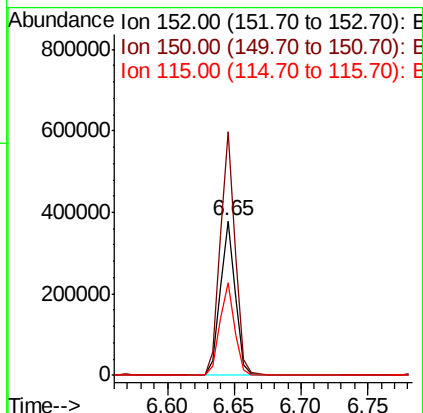
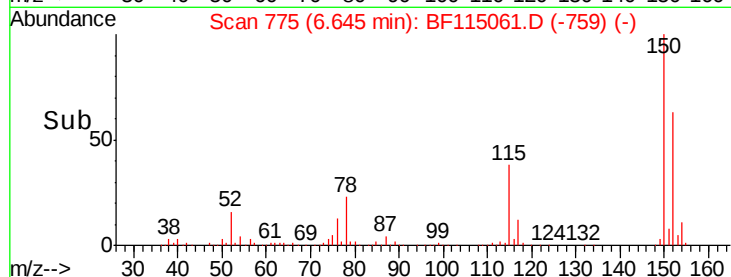


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

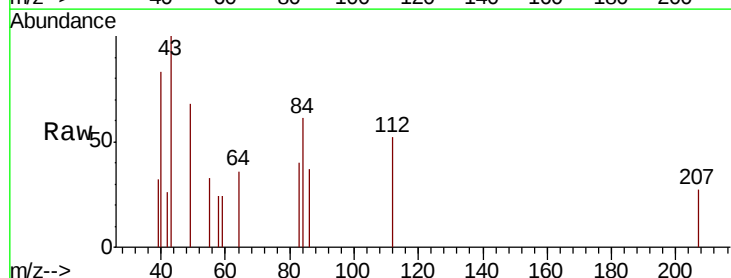
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 0.062 ng  
RT: 5.27 min Scan# 542  
Delta R.T. 0.02 min  
Lab File: BF115061.D  
Acq: 15 Jun 2019 00:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 69.8  | 41.6  | 62.4# |
| 63      | 0.0   | 20.9  | 31.3# |

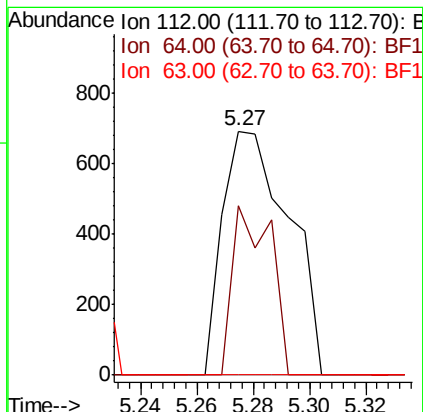
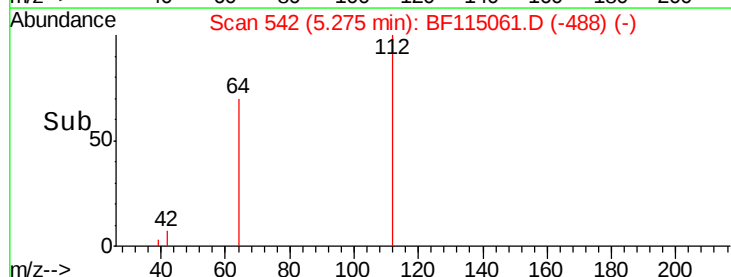


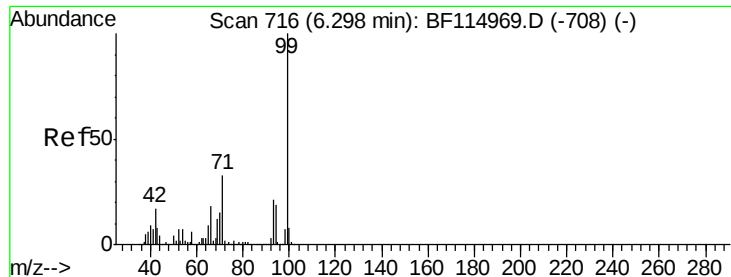
Abundance

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: 1.444 ng

RT: 6.29 min Scan# 715

Delta R.T. -0.01 min

Lab File: BF115061.D

Acq: 15 Jun 2019 00:49

Instrument :

BNA\_F

ClientSampleId :

FK-0D015-03-008RE

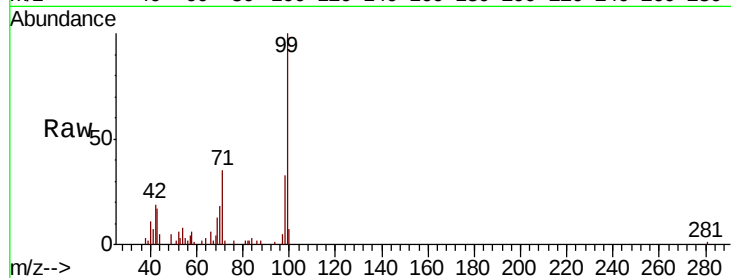
Tot Ion: 99 Resp: 31815

Ion Ratio Lower Upper

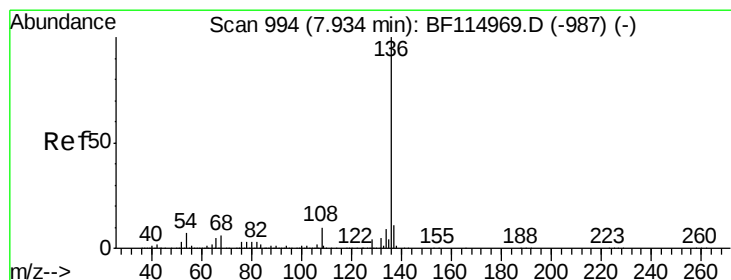
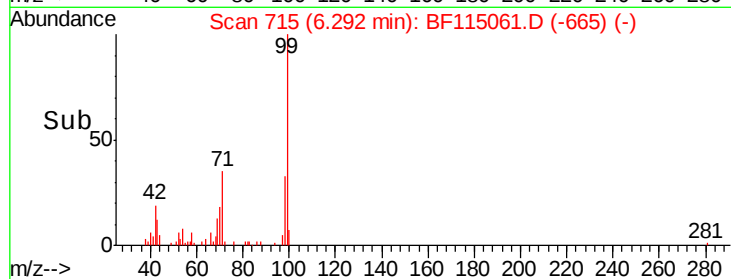
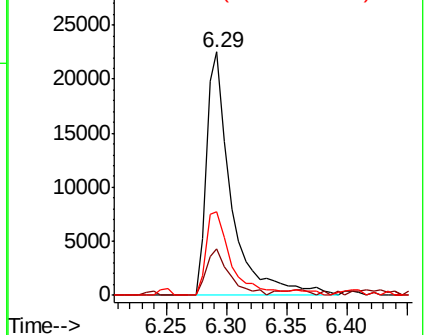
99 100

42 19.1 13.4 20.2

71 34.5 26.4 39.6



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.93 min Scan# 993

Delta R.T. -0.01 min

Lab File: BF115061.D

Acq: 15 Jun 2019 00:49

Tgt Ion: 136 Resp: 1150821

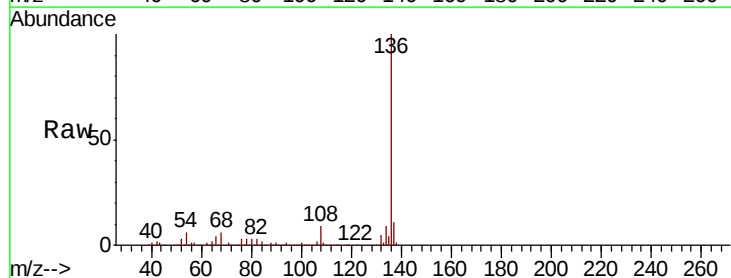
Ion Ratio Lower Upper

136 100

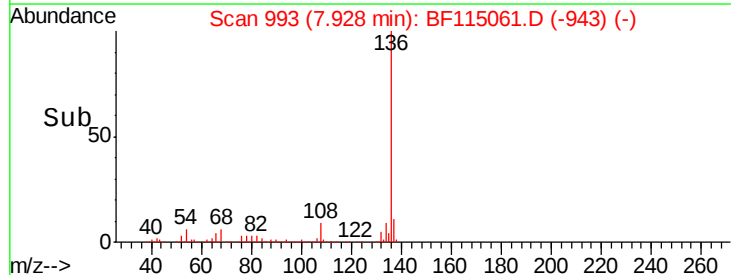
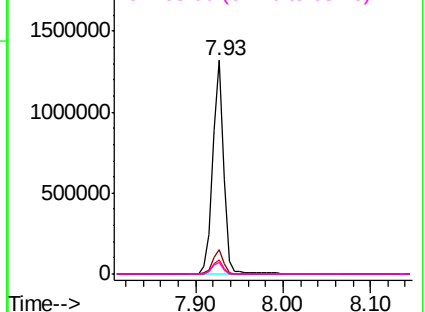
137 11.1 9.0 13.4

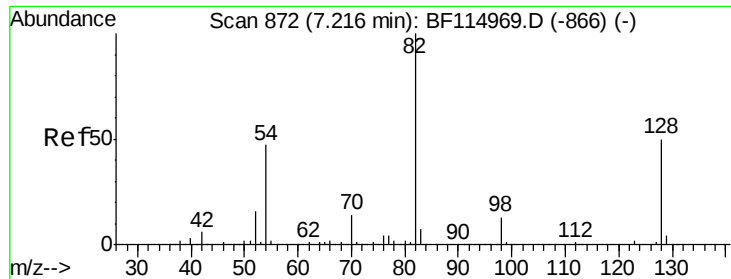
54 6.4 5.4 8.0

68 5.7 4.6 7.0



Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

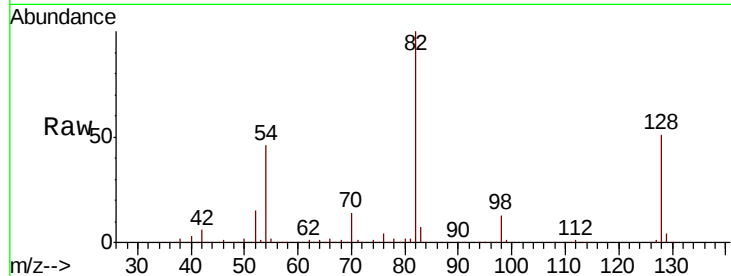




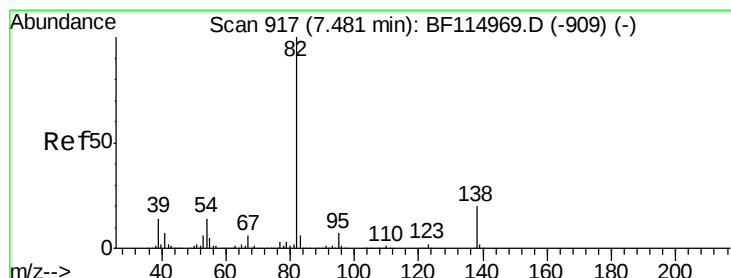
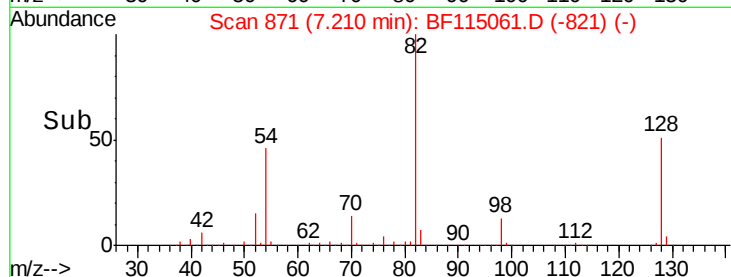
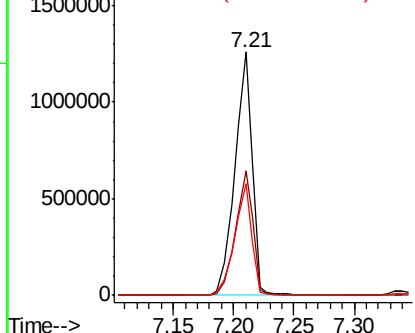
#23  
Nitrobenzene-d5  
Concen: 66.187 ng  
RT: 7.21 min Scan# 871  
Delta R.T. -0.01 min  
Lab File: BF115061.D  
Acq: 15 Jun 2019 00:49

Instrument :  
BNA\_F  
ClientSampleId :  
FK-0D015-03-008RE

Tot Ion: 82 Resp: 1265437  
Ion Ratio Lower Upper  
82 100  
128 50.9 39.9 59.9  
54 46.0 37.3 55.9

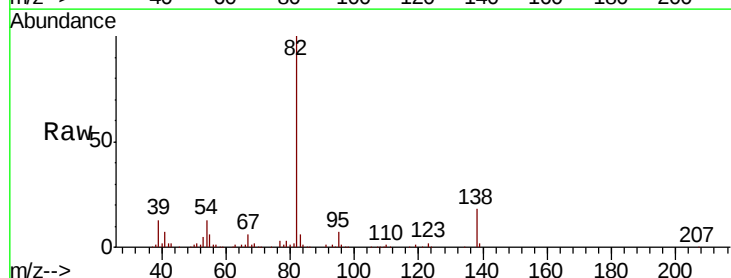


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): BF1  
Ion 54.00 (53.70 to 54.70): BF1

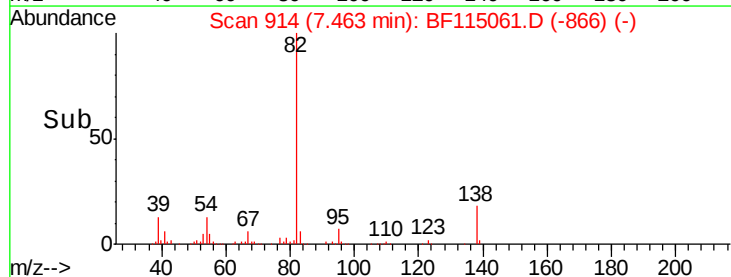
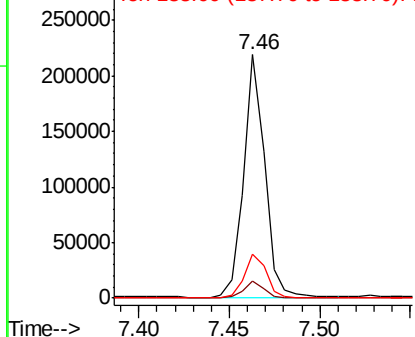


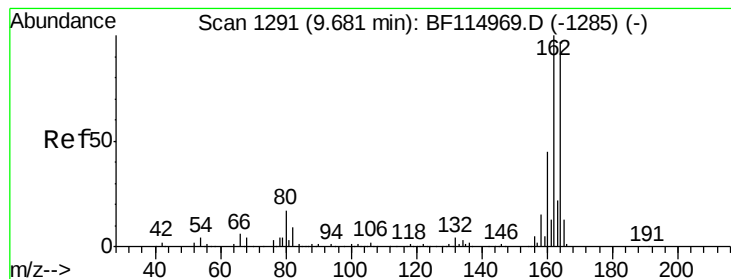
#25  
Isophorone  
Concen: 4.877 ng  
RT: 7.46 min Scan# 914  
Delta R.T. -0.02 min  
Lab File: BF115061.D  
Acq: 15 Jun 2019 00:49

Tgt Ion: 82 Resp: 174633  
Ion Ratio Lower Upper  
82 100  
95 6.9 5.6 8.4  
138 18.2 16.1 24.1



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: 9.67 min Scan# 1290

Delta R.T. -0.01 min

Lab File: BF115061.D

Acq: 15 Jun 2019 00:49

Instrument :

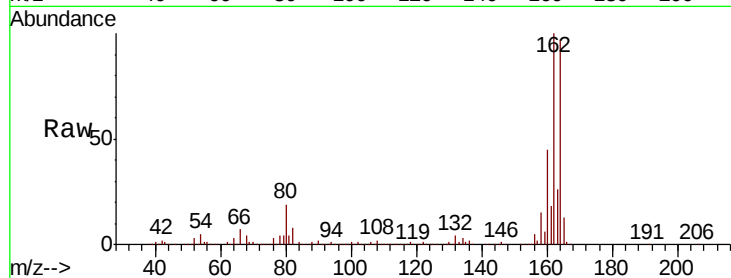
BNA\_F

ClientSampleId :

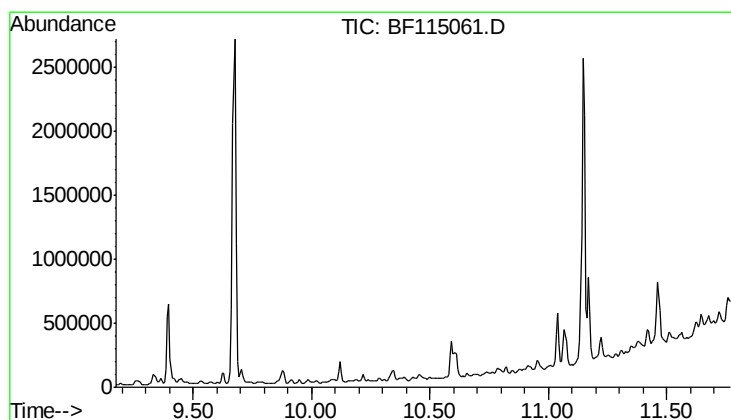
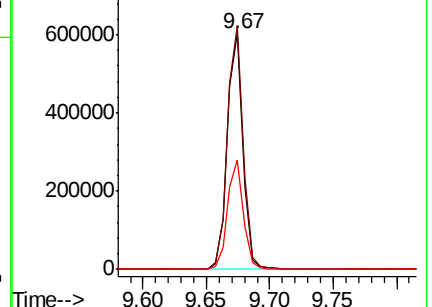
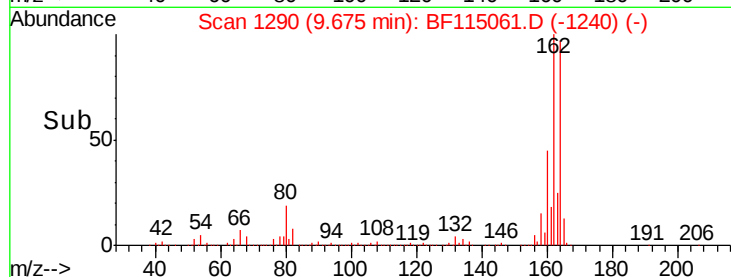
FK-0D015-03-008RE

Tot Ion:164 Resp: 521282

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 103.4 | 82.6  | 124.0 |
| 160 | 46.4  | 36.9  | 55.3  |



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: 0.000 ng

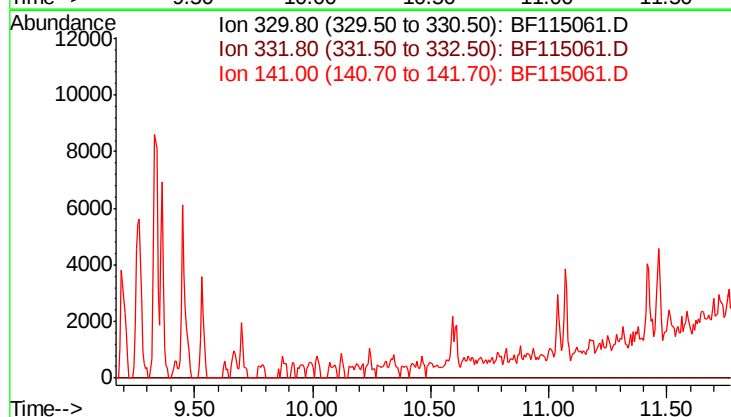
Expected RT: 10.47 min

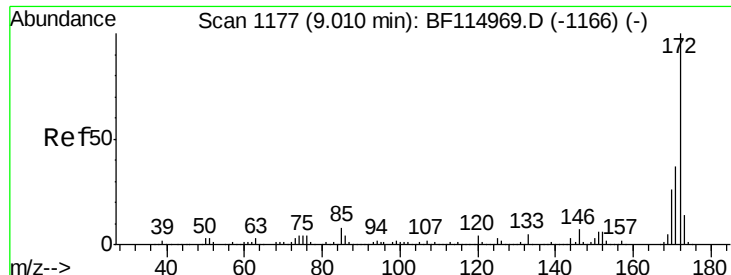
Lab File: BF115061.D

Acq: 15 Jun 2019 00:49

Tgt Ion: 330

| Sig | Exp Ratio |
|-----|-----------|
| 330 | 100       |
| 332 | 97.0      |
| 141 | 34.0      |

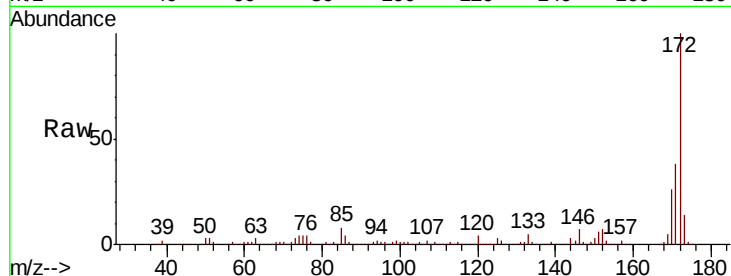




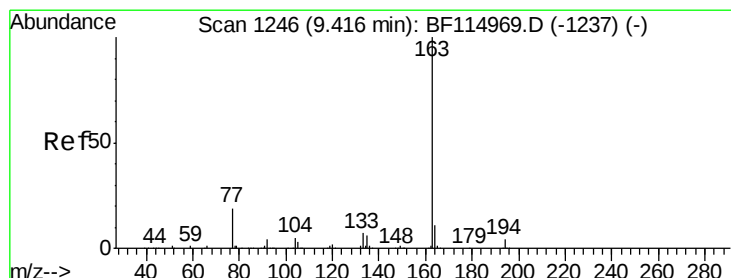
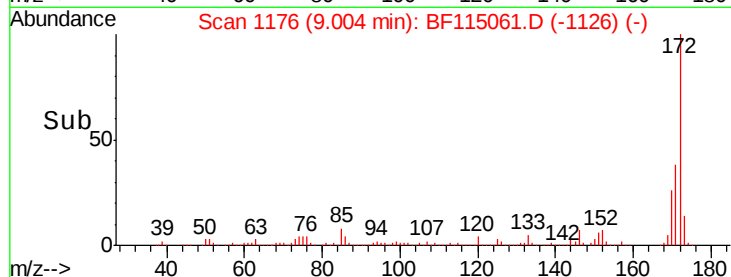
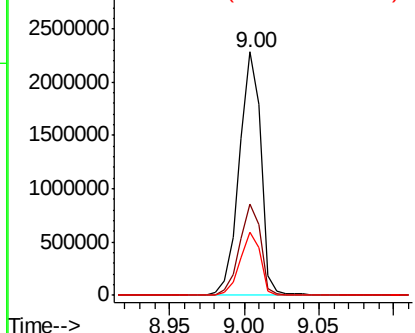
#45  
2-Fluorobiphenyl  
Concen: 75.165 ng  
RT: 9.00 min Scan# 1176  
Delta R.T. -0.01 min  
Lab File: BF115061.D  
Acq: 15 Jun 2019 00:49

Instrument :  
BNA\_F  
ClientSampleId :  
FK-0D015-03-008RE

Tot Ion:172 Resp: 2311846  
Ion Ratio Lower Upper  
172 100  
171 37.7 29.8 44.6  
170 25.7 20.6 31.0

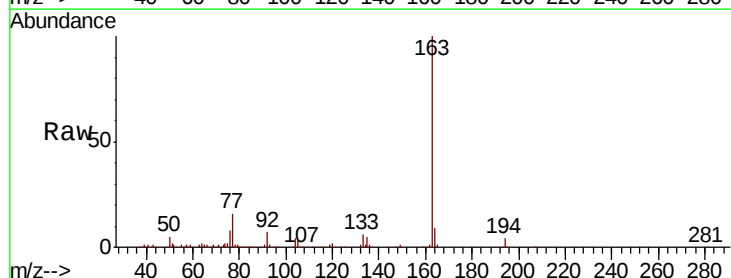


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

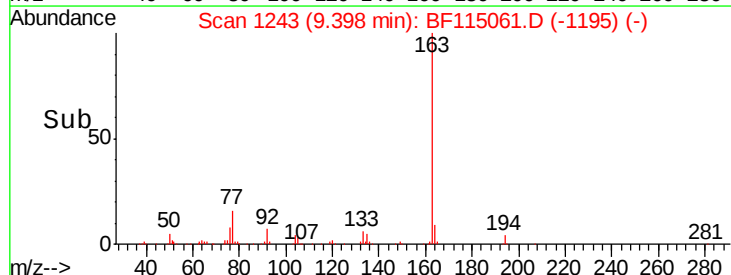
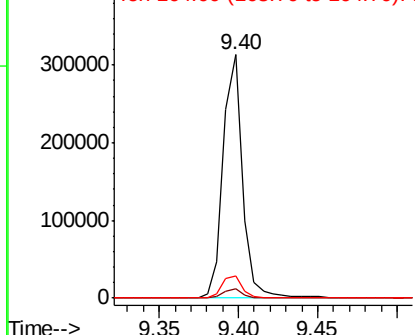


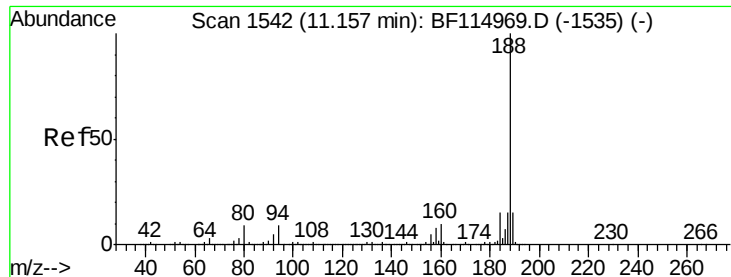
#50  
Dimethylphthalate  
Concen: 6.828 ng  
RT: 9.40 min Scan# 1243  
Delta R.T. -0.02 min  
Lab File: BF115061.D  
Acq: 15 Jun 2019 00:49

Tgt Ion:163 Resp: 267681  
Ion Ratio Lower Upper  
163 100  
194 3.9 3.3 4.9  
164 9.2 8.6 12.8



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

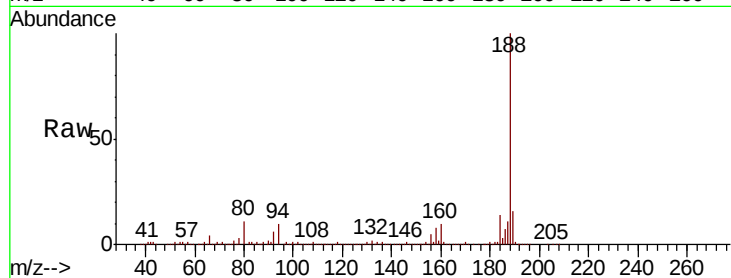




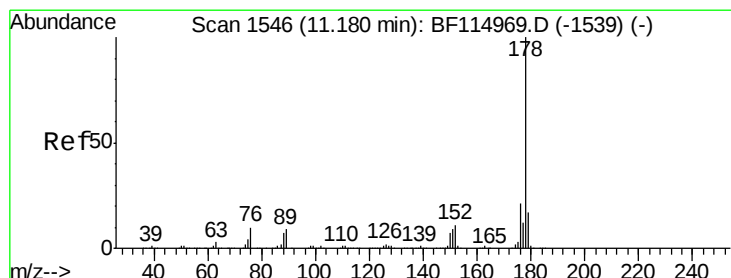
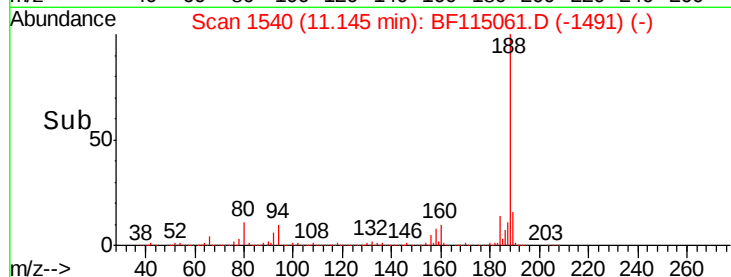
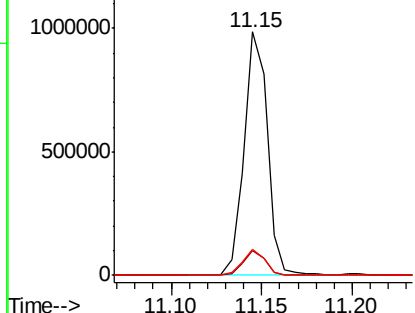
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.15 min Scan# 1540  
Delta R.T. -0.01 min  
Lab File: BF115061.D  
Acq: 15 Jun 2019 00:49

Instrument :  
BNA\_F  
ClientSampleId :  
FK-0D015-03-008RE

Tot Ion:188 Resp: 877984  
Ion Ratio Lower Upper  
188 100  
94 10.3 7.2 10.8  
80 10.9 7.4 11.2

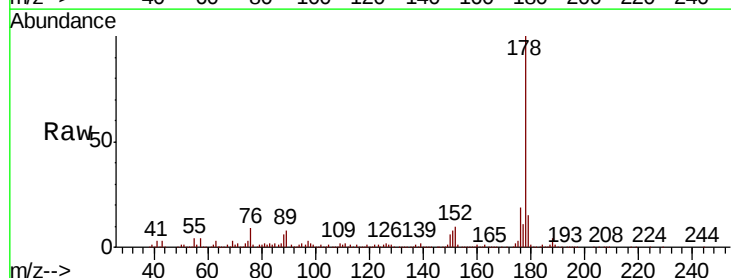


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF1  
Ion 80.00 (79.70 to 80.70): BF1

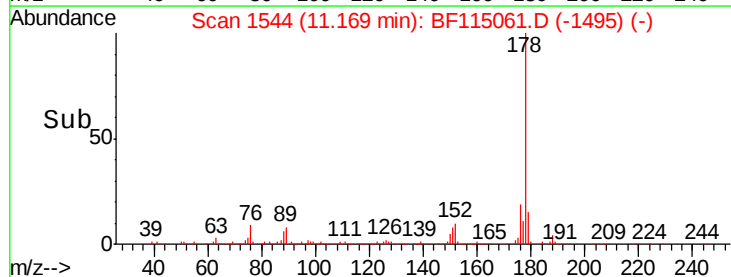
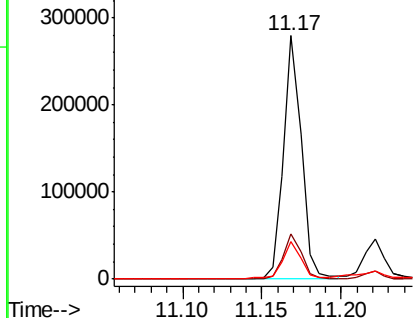


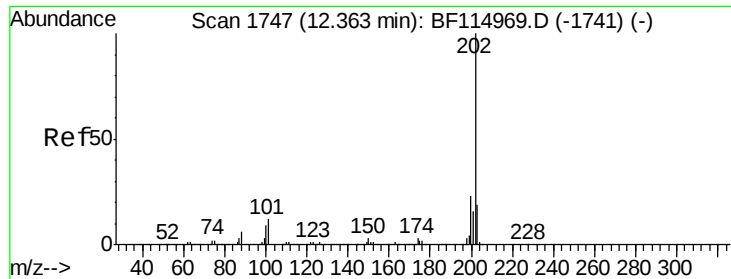
#71  
Phenanthrene  
Concen: 4.859 ng  
RT: 11.17 min Scan# 1544  
Delta R.T. -0.01 min  
Lab File: BF115061.D  
Acq: 15 Jun 2019 00:49

Tgt Ion:178 Resp: 220251  
Ion Ratio Lower Upper  
178 100  
176 18.5 16.9 25.3  
179 15.3 13.4 20.0



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





#75

Fluoranthene

Concen: 4.430 ng

RT: 12.35 min Scan# 1745

Delta R.T. -0.01 min

Lab File: BF115061.D

Acq: 15 Jun 2019 00:49

Instrument :

BNA\_F

ClientSampleId :

FK-0D015-03-008RE

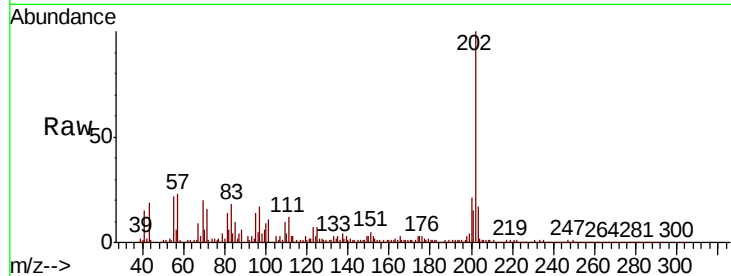
Tot Ion:202 Resp: 205346

Ion Ratio Lower Upper

202 100

101 11.5 0.0 32.4

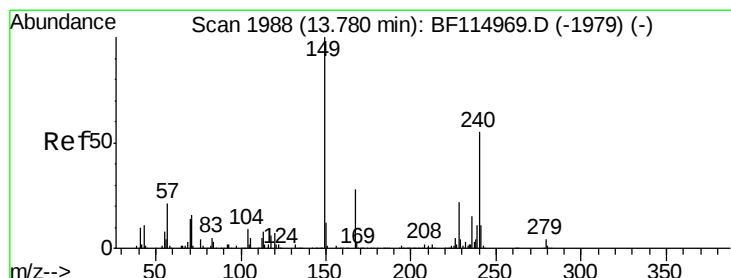
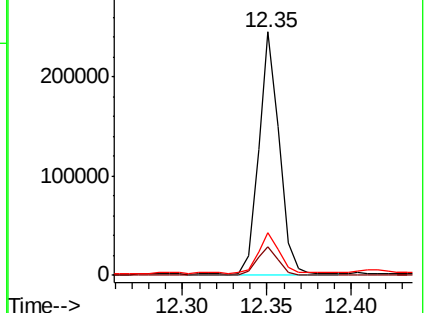
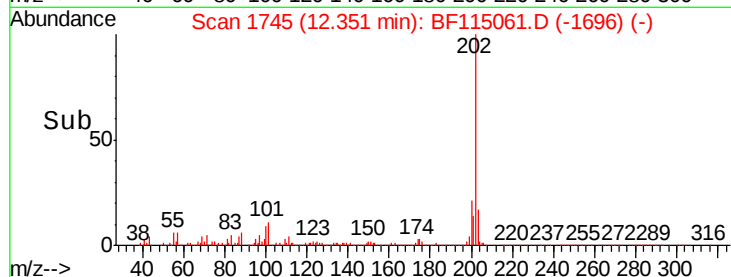
203 17.4 0.0 38.6



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: 13.77 min Scan# 1987

Delta R.T. -0.01 min

Lab File: BF115061.D

Acq: 15 Jun 2019 00:49

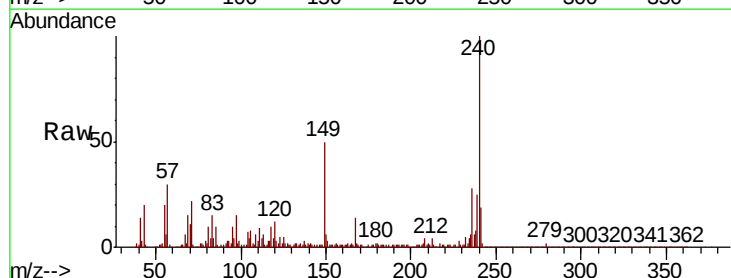
Tgt Ion:240 Resp: 482518

Ion Ratio Lower Upper

240 100

120 12.1 10.0 15.0

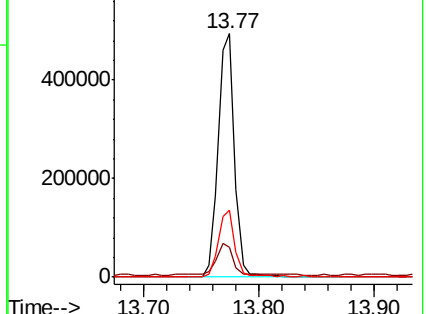
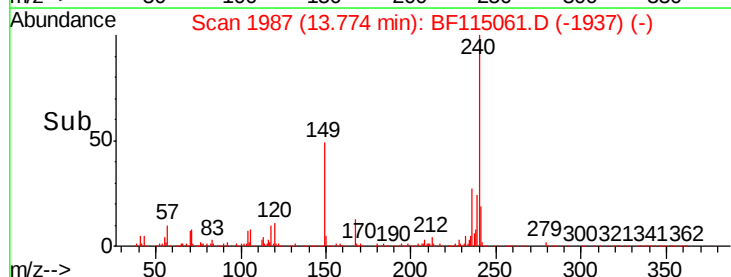
236 27.5 21.6 32.4

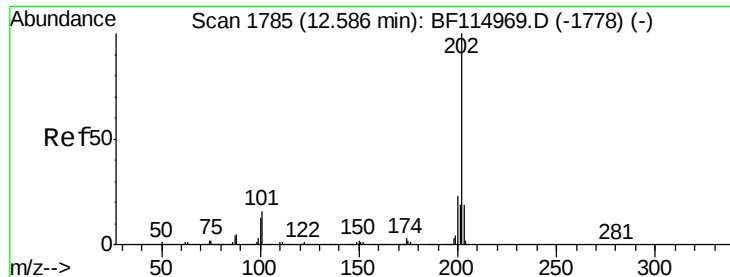


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 3.636 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF115061.D

Acq: 15 Jun 2019 00:49

Instrument :

BNA\_F

ClientSampleId :

FK-0D015-03-008RE

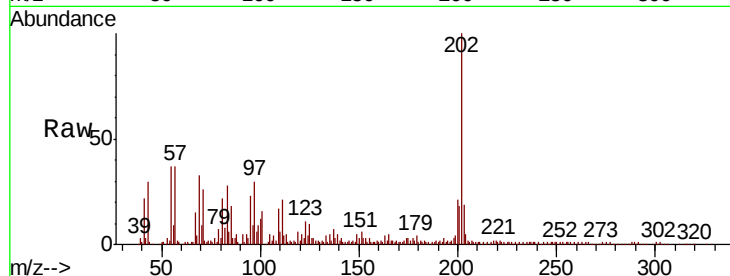
Tot Ion:202 Resp: 159834

Ion Ratio Lower Upper

202 100

200 21.1 18.4 27.6

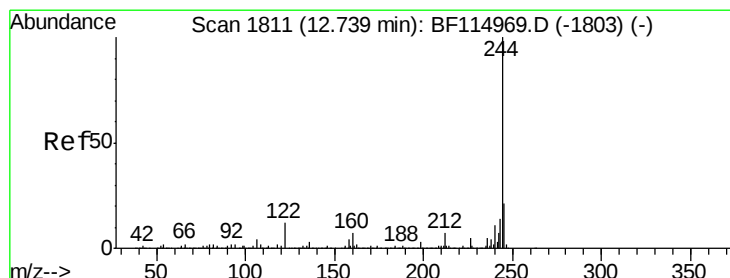
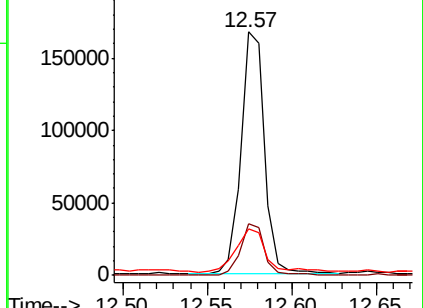
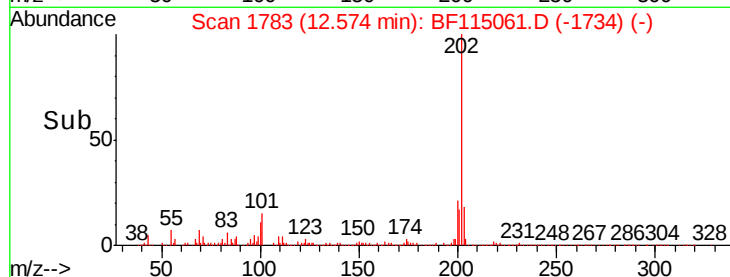
203 19.3 14.9 22.3



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: 71.669 ng

RT: 12.73 min Scan# 1810

Delta R.T. -0.01 min

Lab File: BF115061.D

Acq: 15 Jun 2019 00:49

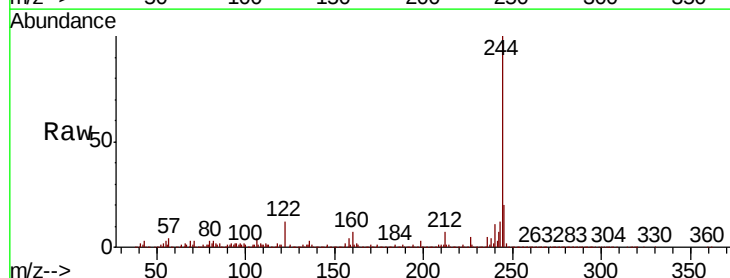
Tgt Ion:244 Resp: 1838584

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.8

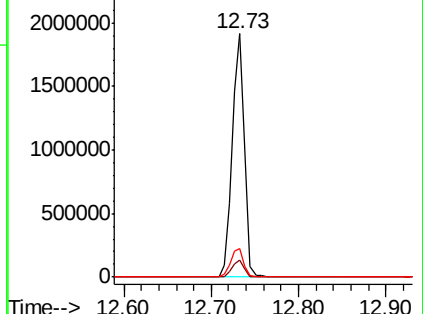
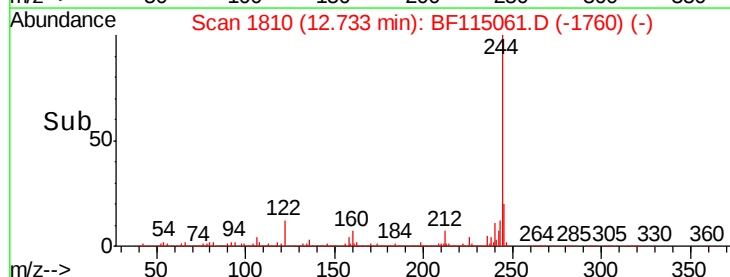
122 11.9 9.4 14.0

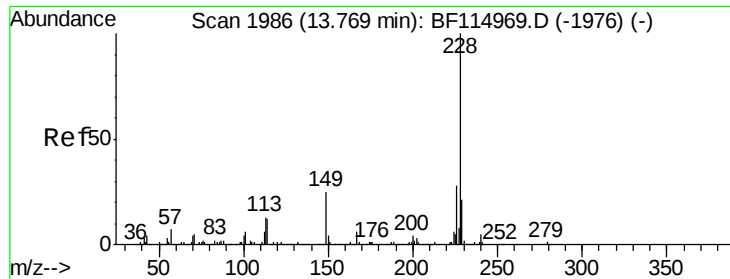


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 2.075 ng

RT: 13.76 min Scan# 1985

Delta R.T. -0.01 min

Lab File: BF115061.D

Acq: 15 Jun 2019 00:49

Instrument :

BNA\_F

ClientSampleId :

FK-0D015-03-008RE

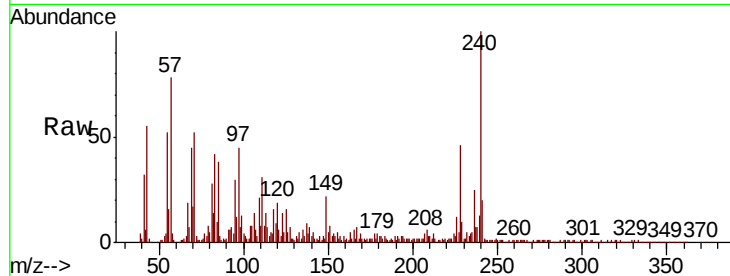
Tot Ion:228 Resp: 74919

Ion Ratio Lower Upper

228 100

226 26.7 22.0 33.0

229 21.3 16.6 25.0

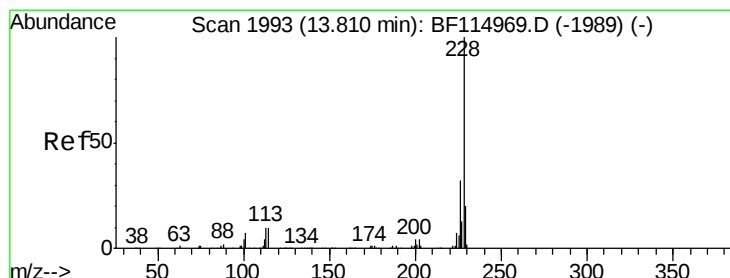
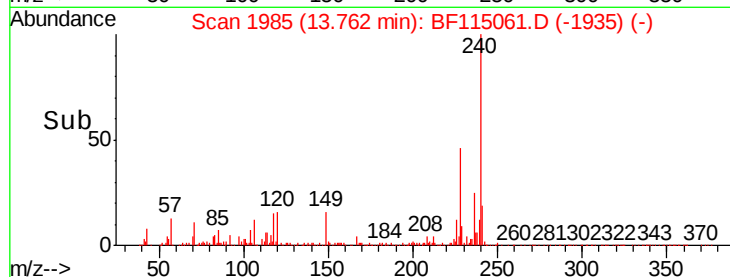
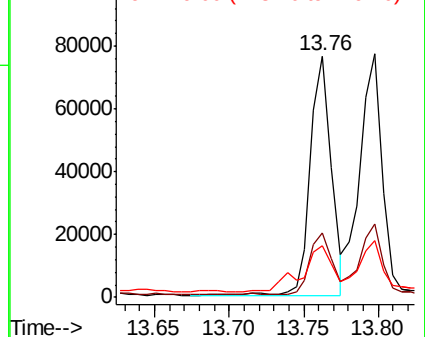


Abundance

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: 2.249 ng

RT: 13.80 min Scan# 1991

Delta R.T. -0.01 min

Lab File: BF115061.D

Acq: 15 Jun 2019 00:49

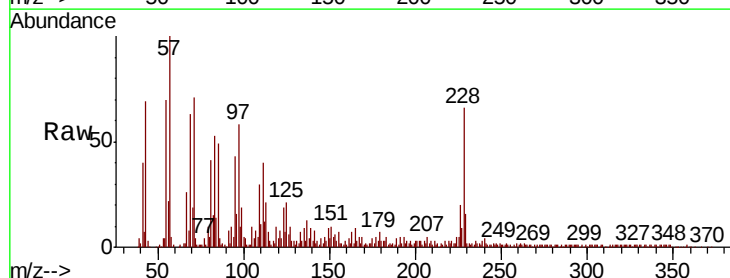
Tgt Ion:228 Resp: 80746

Ion Ratio Lower Upper

228 100

226 30.1 25.4 38.0

229 23.4 16.4 24.6

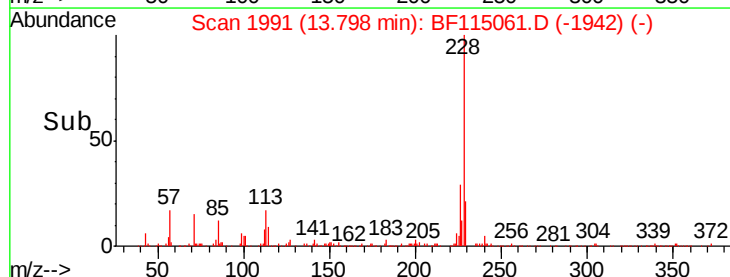
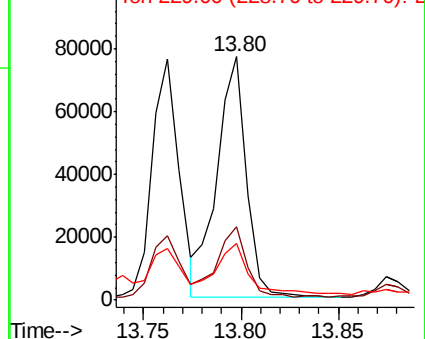


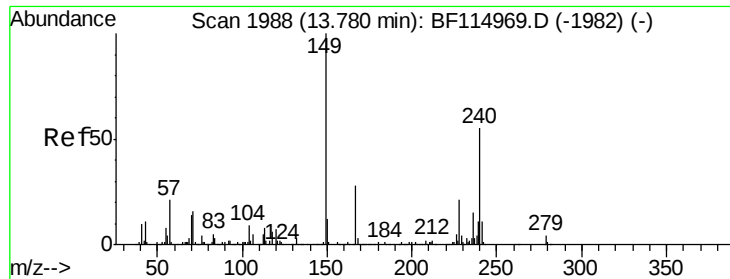
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 8.363 ng

RT: 13.77 min Scan# 1987

Delta R.T. -0.01 min

Lab File: BF115061.D

Acq: 15 Jun 2019 00:49

Instrument :

BNA\_F

ClientSampleId :

FK-0D015-03-008RE

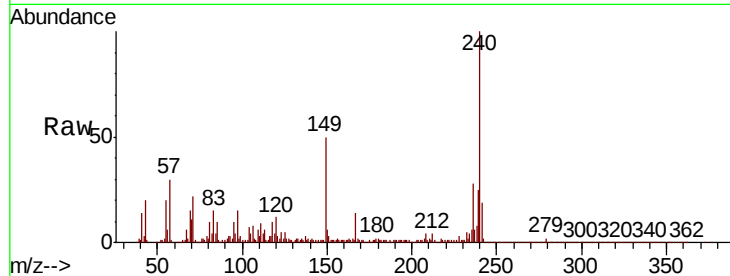
Tot Ion:149 Resp: 202938

Ion Ratio Lower Upper

149 100

167 28.0 22.2 33.4

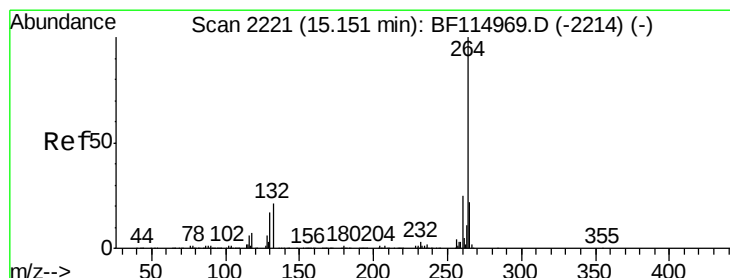
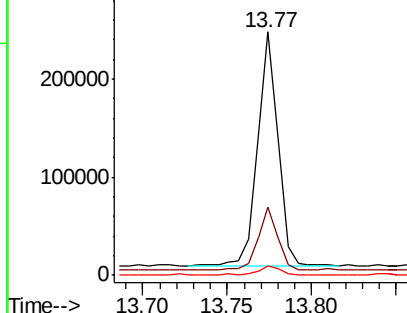
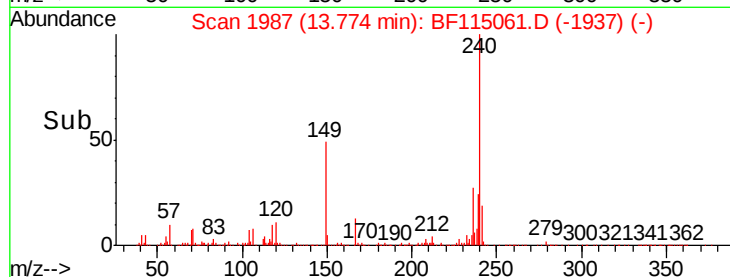
279 3.8 3.4 5.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.15 min Scan# 2221

Delta R.T. -0.00 min

Lab File: BF115061.D

Acq: 15 Jun 2019 00:49

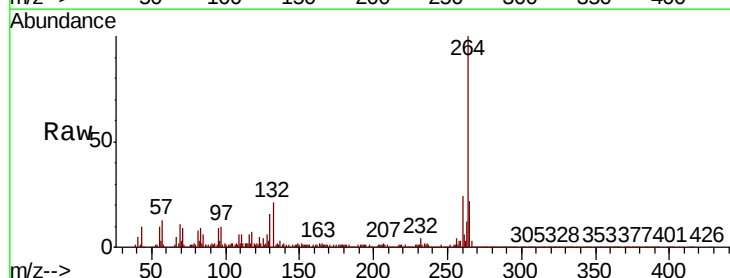
Tgt Ion:264 Resp: 512070

Ion Ratio Lower Upper

264 100

260 24.3 19.9 29.9

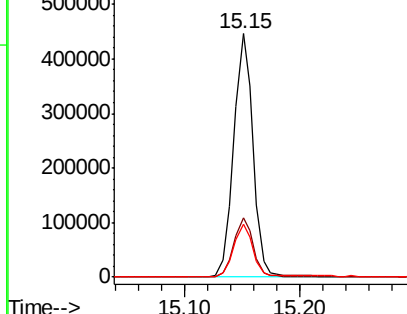
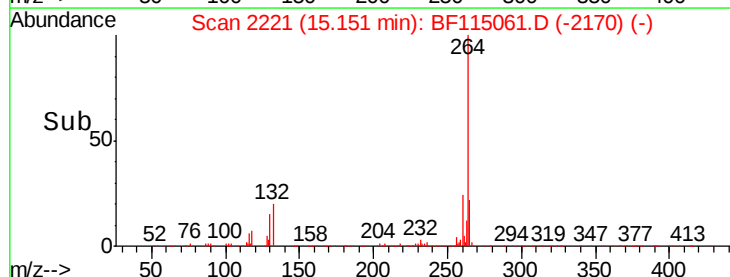
265 21.9 17.6 26.4

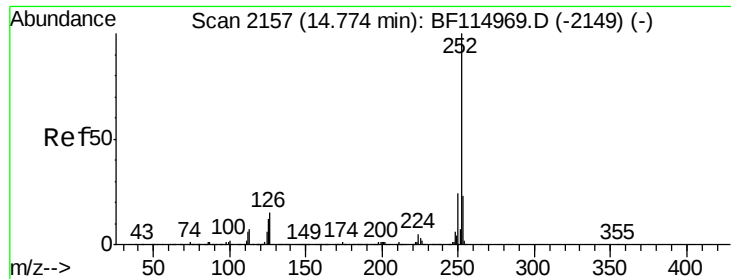


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 2.932 ng/mL

RT: 14.77 min Scan# 2156

Delta R.T. -0.01 min

Lab File: BF115061.D

Acq: 15 Jun 2019 00:49

Instrument :

BNA\_F

ClientSampleId :

FK-0D015-03-008RE

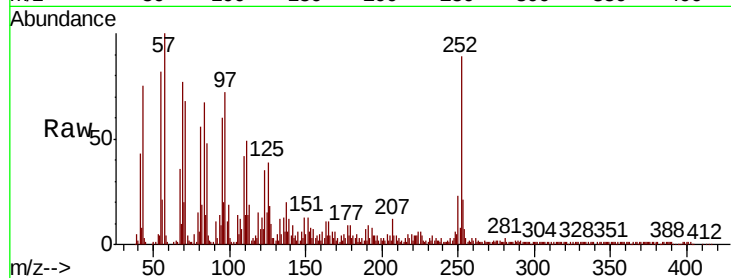
Tot Ion: 252 Resp: 99811

Ion Ratio Lower Upper

252 100

253 23.8 18.1 27.1

125 43.5 9.4 14.0



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

