

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012720\  
 Data File : BF118723.D  
 Acq On : 27 Jan 2020 17:09  
 Operator : CG/JU  
 Sample : L1008-15 2X  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jan 27 17:48:17 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 27 14:24:10 2020  
 Response via : Initial Calibration

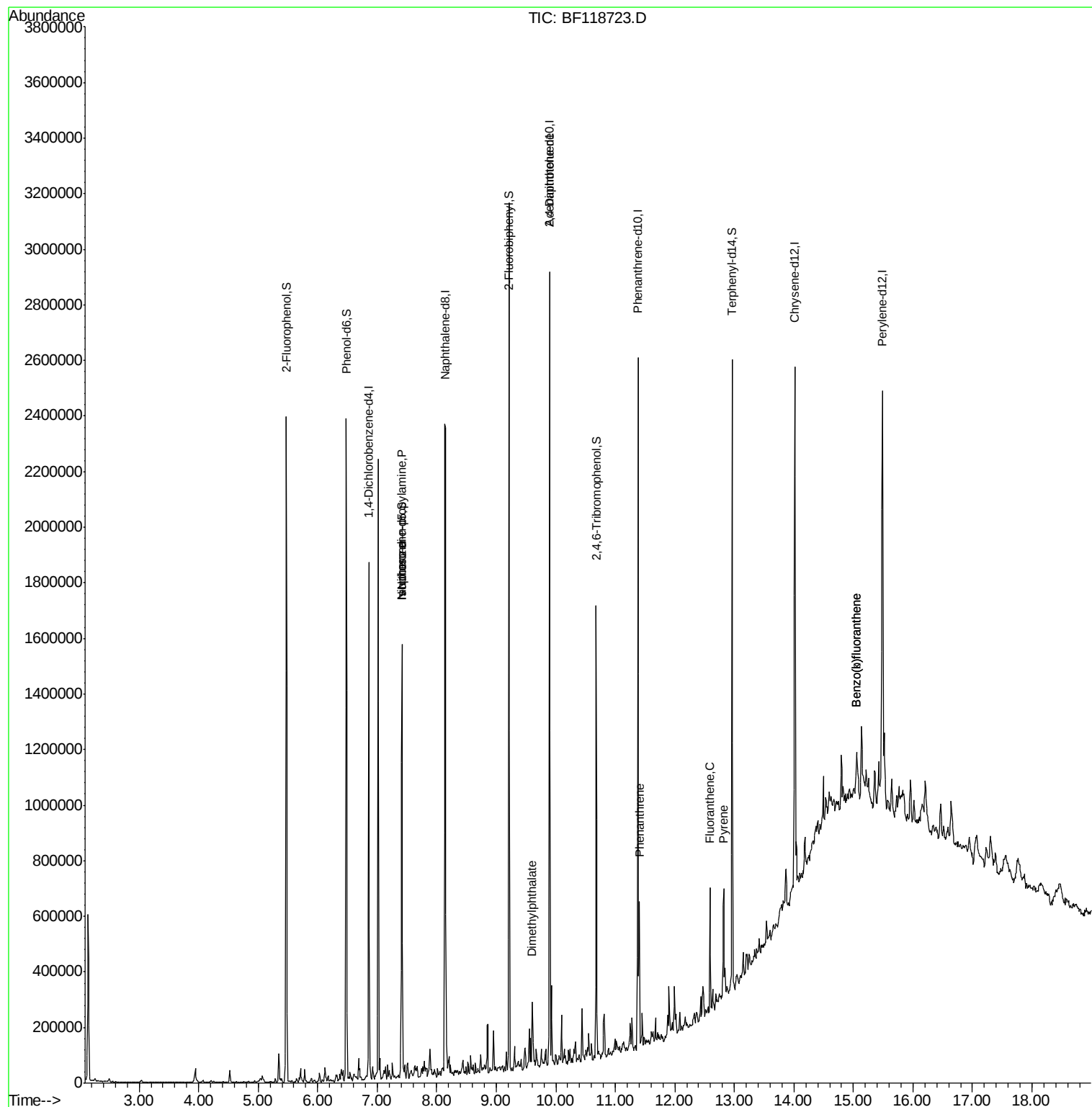
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.86  | 152  | 307915   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.15  | 136  | 1093595  | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 9.90  | 164  | 557756   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 11.38 | 188  | 883557   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 14.02 | 240  | 619245   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12               | 15.49 | 264  | 753243   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.47  | 112  | 626591   | 37.79  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.48  | 99   | 750788   | 34.84  | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 7.42  | 82   | 443268   | 22.67  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 10.68 | 330  | 199505   | 30.93  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 9.22  | 172  | 890452   | 26.24  | ng    | 0.00     |
| 79) Terphenyl-d14              | 12.96 | 244  | 799754   | 28.17  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.42  | 70   | 60890    | 4.185  | ng    | # 75     |
| 25) Isophorone                 | 7.42  | 82   | 439196   | 12.316 | ng    | # 63     |
| 50) Dimethylphthalate          | 9.60  | 163  | 81802    | 2.251  | ng    | 99       |
| 57) 2,4-Dinitrotoluene         | 9.90  | 165  | 74576    | 7.270  | ng    | # 30     |
| 71) Phenanthrene               | 11.40 | 178  | 177770   | 4.170  | ng    | 97       |
| 75) Fluoranthene               | 12.59 | 202  | 167337   | 3.722  | ng    | 97       |
| 78) Pyrene                     | 12.82 | 202  | 167125   | 3.975  | ng    | 97       |
| 88) Benzo(b)fluoranthene       | 15.06 | 252  | 124183   | 2.623  | ng    | # 85     |
| 89) Benzo(k)fluoranthene       | 15.06 | 252  | 124183   | 2.831  | ng    | # 86     |

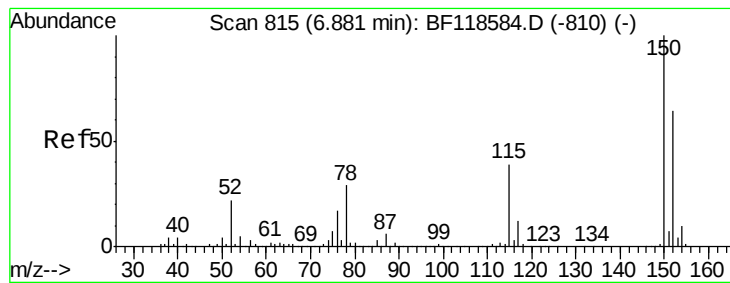
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012720\  
Data File : BF118723.D  
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Sample : L1008-15 2X  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :

Quant Time: Jan 27 17:48:17 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 27 14:24:10 2020  
Response via : Initial Calibration



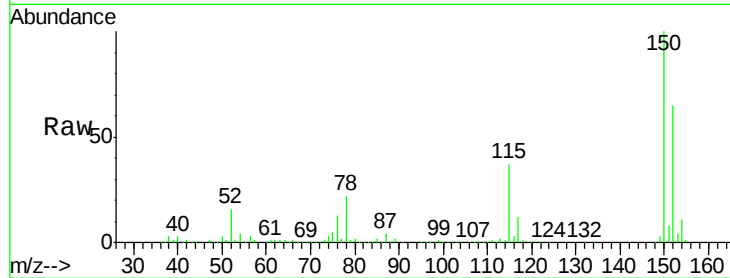


#1

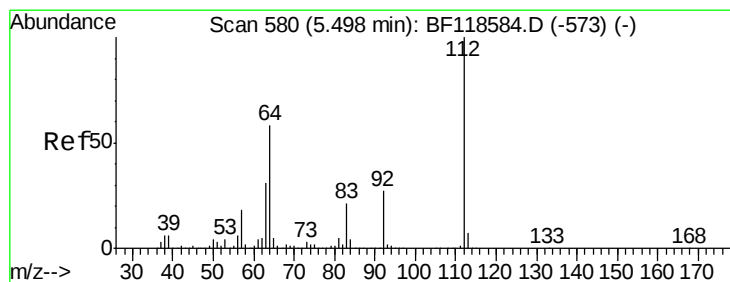
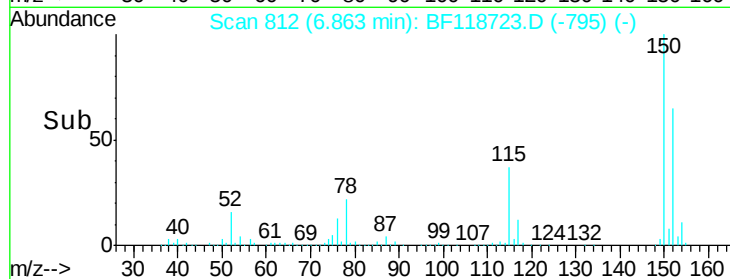
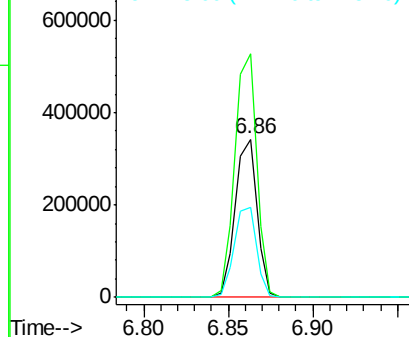
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.86 min Scan# 812  
Delta R.T. -0.00 min  
Lab File: BF118723.D  
Acq: 27 Jan 2020 17:09

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 154.1 | 123.7 | 185.5 |
| 115     | 56.7  | 45.1  | 67.7  |



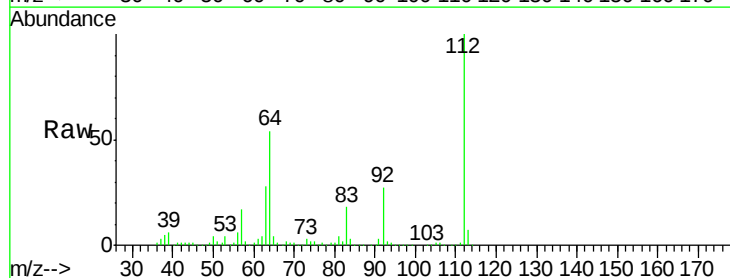
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



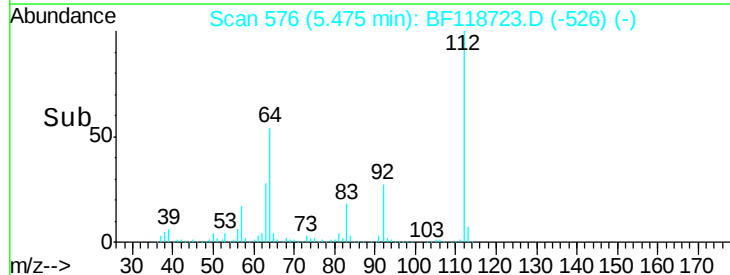
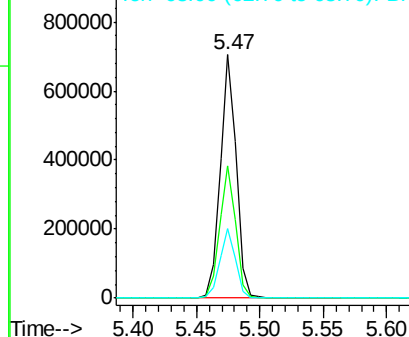
#5

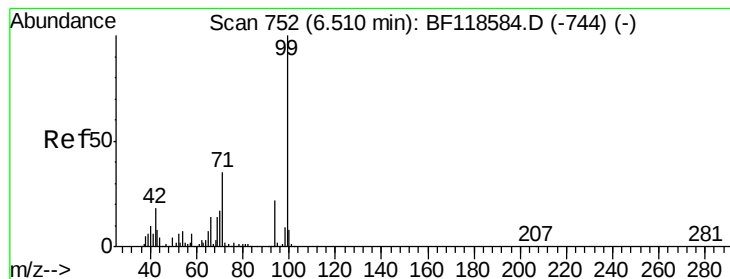
2-Fluorophenol  
Concen: 37.794 ng  
RT: 5.47 min Scan# 576  
Delta R.T. -0.01 min  
Lab File: BF118723.D  
Acq: 27 Jan 2020 17:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 54.1  | 42.4  | 63.6  |
| 63      | 28.4  | 21.7  | 32.5  |



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BF1  
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 34.842 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF118723.D

Acq: 27 Jan 2020 17:09

Instrument :

BNA\_F

ClientSampleId :

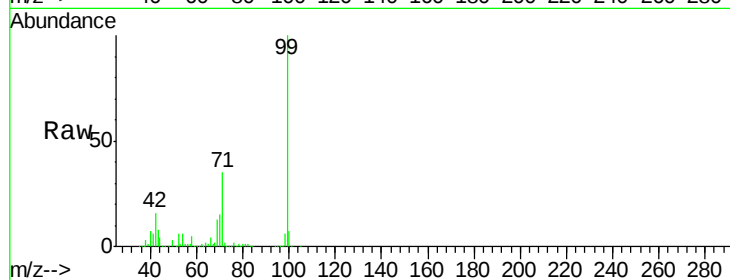
Tot Ion: 99 Resp: 750788

Ion Ratio Lower Upper

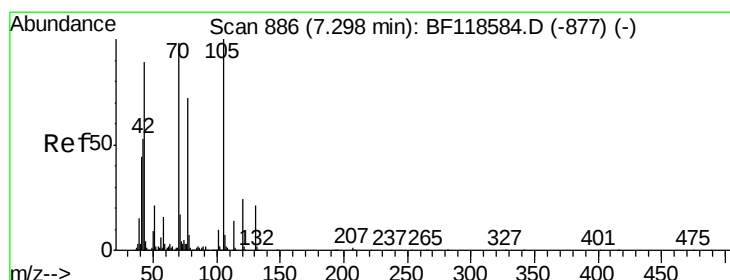
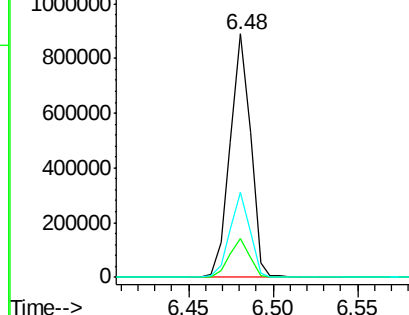
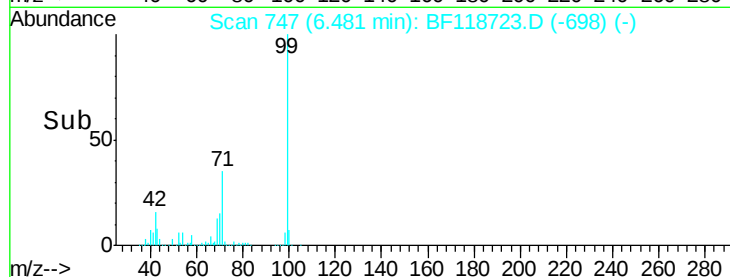
99 100

42 15.8 13.1 19.7

71 34.9 28.4 42.6



Abundance Ion 99.00 (98.70 to 99.70): BF1  
Ion 42.00 (41.70 to 42.70): BF1  
Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 4.185 ng

RT: 7.42 min Scan# 906

Delta R.T. 0.14 min

Lab File: BF118723.D

Acq: 27 Jan 2020 17:09

Tgt Ion: 70 Resp: 60890

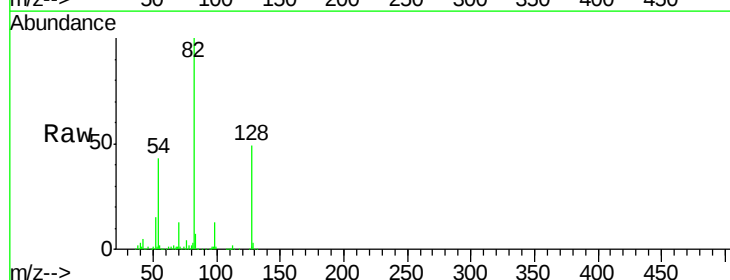
Ion Ratio Lower Upper

70 100

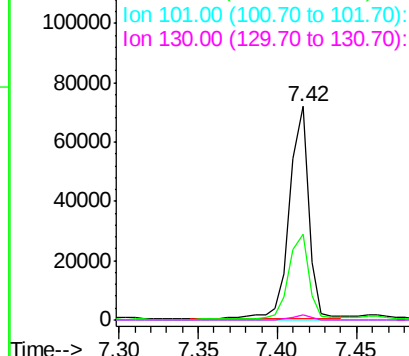
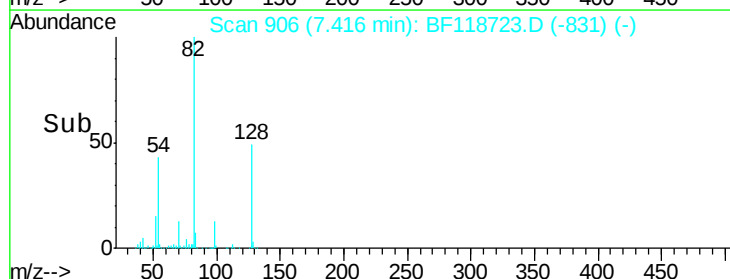
42 40.2 41.6 62.4#

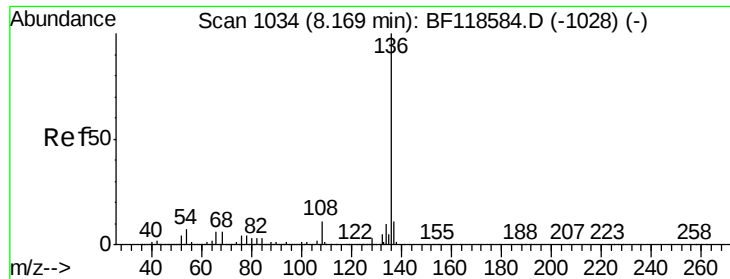
101 0.0 7.9 11.9#

130 2.4 19.0 28.6#



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

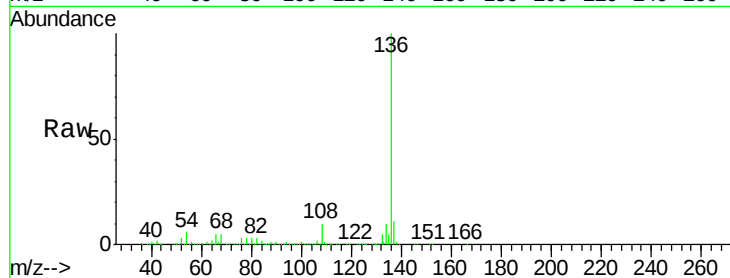




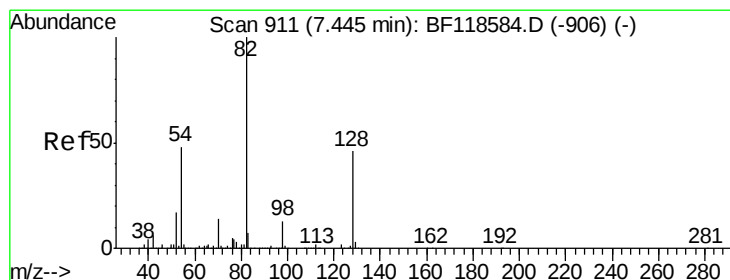
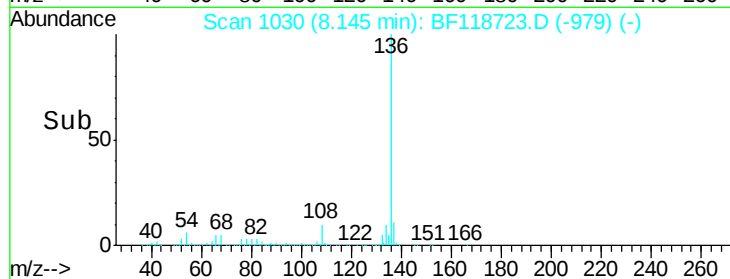
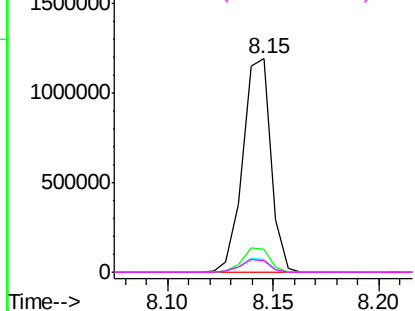
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.15 min Scan# 1030  
Delta R.T. -0.00 min  
Lab File: BF118723.D  
Acq: 27 Jan 2020 17:09

Instrument :  
BNA\_F  
ClientSampleId :

|             |               |
|-------------|---------------|
| Tot Ion:136 | Resp: 1093595 |
| Ion Ratio   | Lower Upper   |
| 136 100     |               |
| 137 11.1    | 8.9 13.3      |
| 54 6.0      | 5.1 7.7       |
| 68 5.4      | 4.3 6.5       |

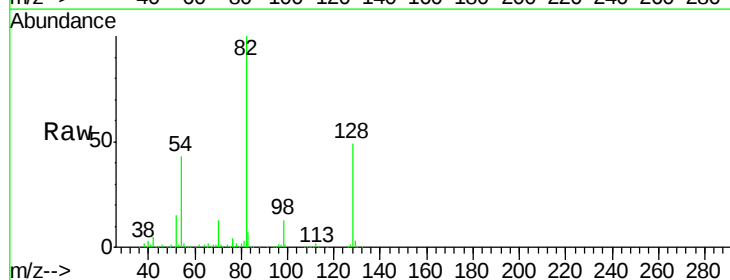


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

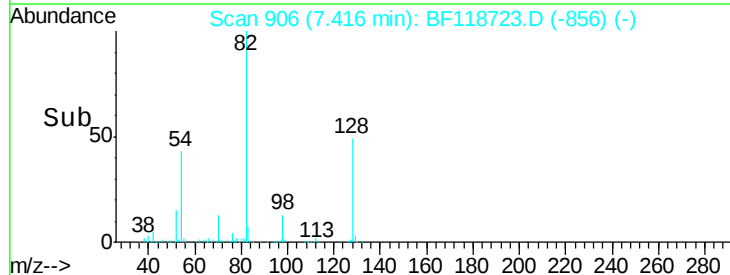
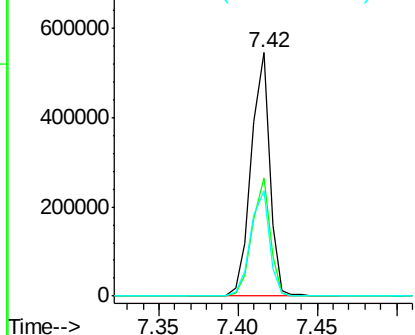


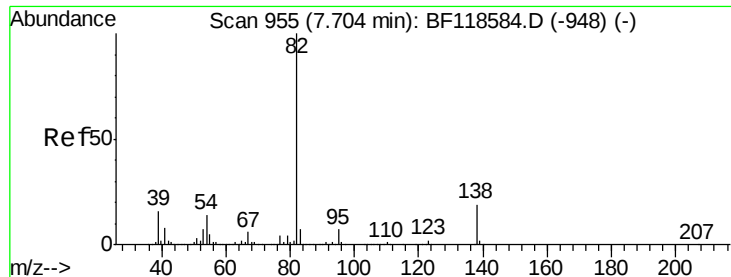
#23  
Nitrobenzene-d5  
Concen: 22.672 ng  
RT: 7.42 min Scan# 906  
Delta R.T. -0.01 min  
Lab File: BF118723.D  
Acq: 27 Jan 2020 17:09

|         |           |             |              |
|---------|-----------|-------------|--------------|
| Tgt Ion | 82        | Resp: Lower | 443268 Upper |
|         | Ratio 100 |             |              |
| 128     | 48.7      | 38.2        | 57.2         |
| 54      | 43.3      | 36.1        | 54.1         |



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

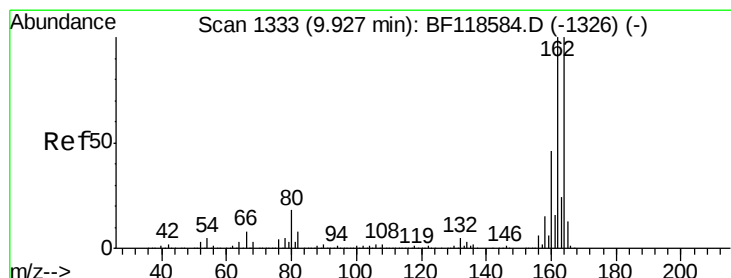
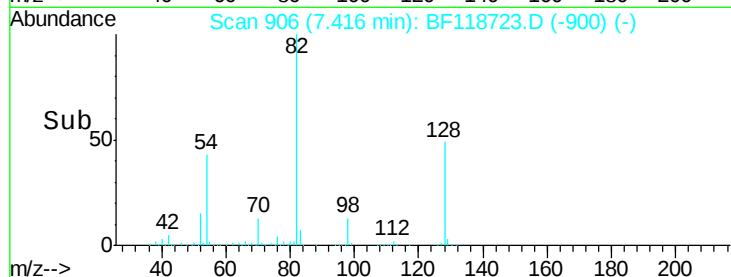
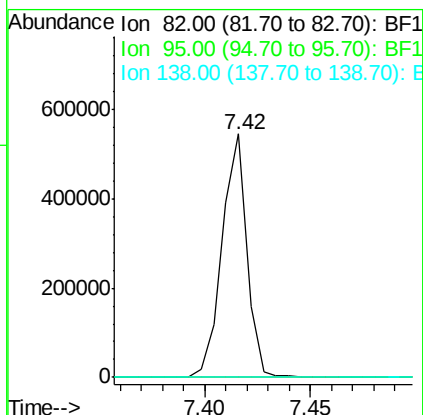
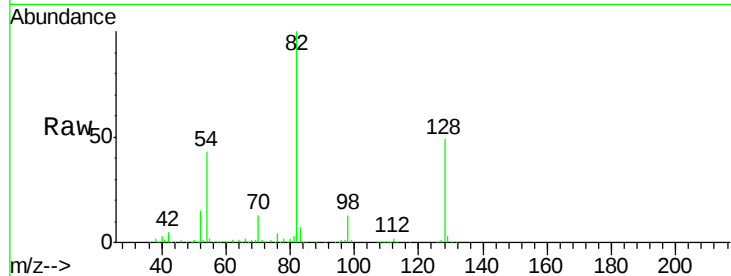




#25  
Isophorone  
Concen: 12.316 ng  
RT: 7.42 min Scan# 906  
Delta R.T. -0.26 min  
Lab File: BF118723.D  
Acq: 27 Jan 2020 17:09

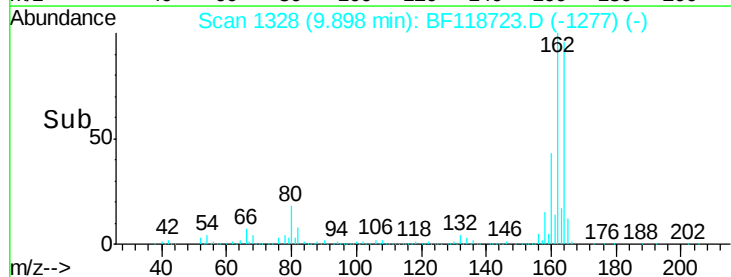
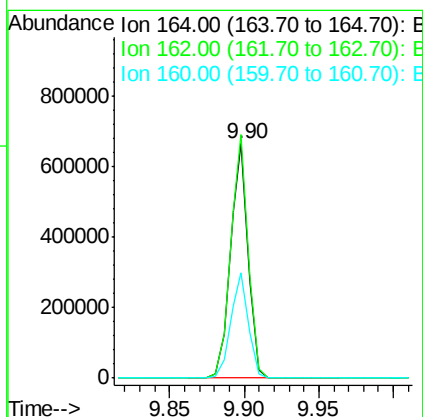
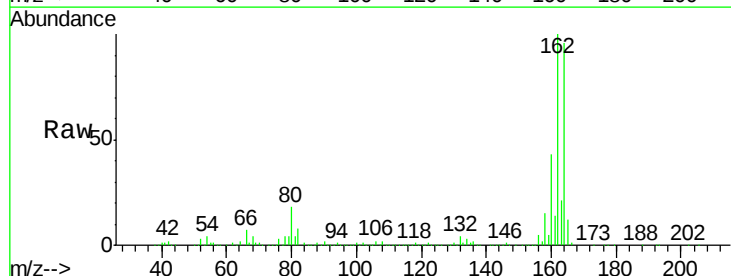
Instrument :  
BNA\_F  
ClientSampleId :

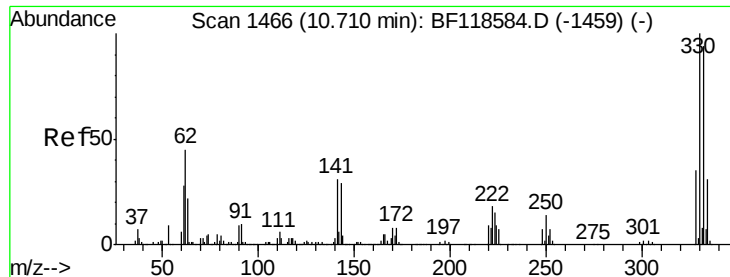
Tot Ion: 82 Resp: 439196  
Ion Ratio Lower Upper  
82 100  
95 0.2 5.8 8.8#  
138 0.0 15.8 23.8#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.90 min Scan# 1328  
Delta R.T. -0.00 min  
Lab File: BF118723.D  
Acq: 27 Jan 2020 17:09

Tgt Ion:164 Resp: 557756  
Ion Ratio Lower Upper  
164 100  
162 103.8 80.8 121.2  
160 44.8 35.4 53.0

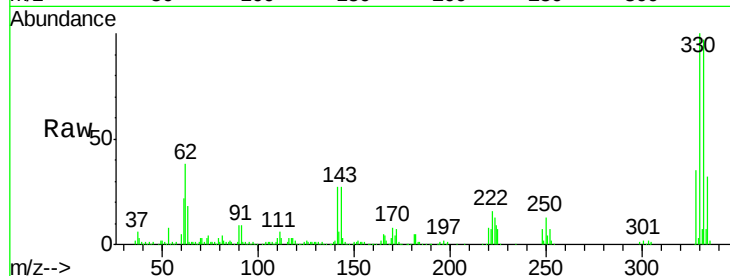




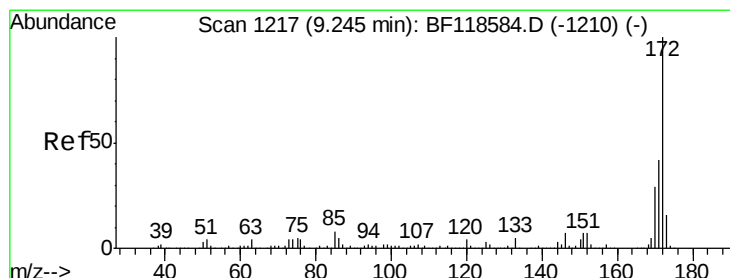
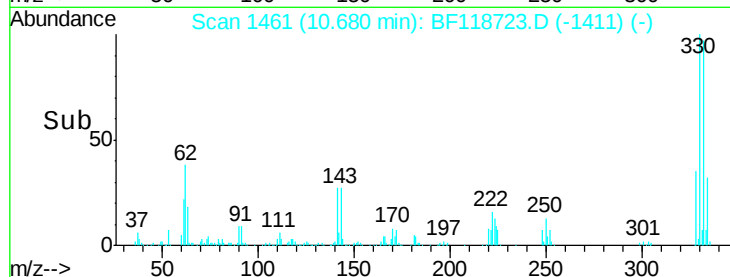
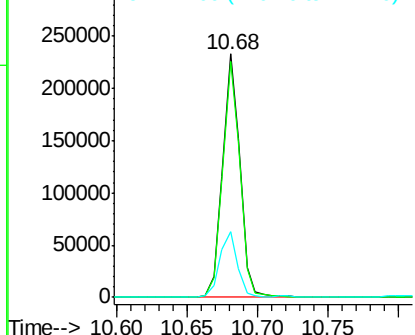
#42  
 2,4,6-Tribromophenol  
 Concen: 30.925 ng  
 RT: 10.68 min Scan# 1461  
 Delta R.T. -0.01 min  
 Lab File: BF118723.D  
 Acq: 27 Jan 2020 17:09

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.6  | 77.6  | 116.4 |
| 141     | 27.2  | 22.2  | 33.2  |

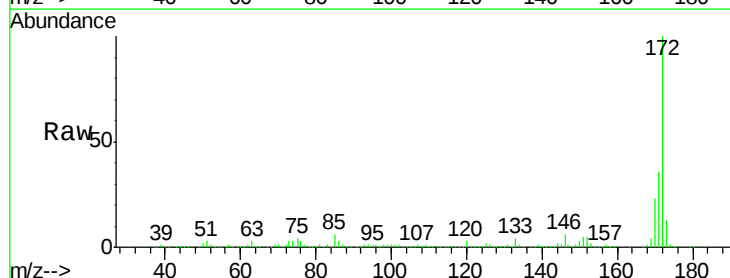


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

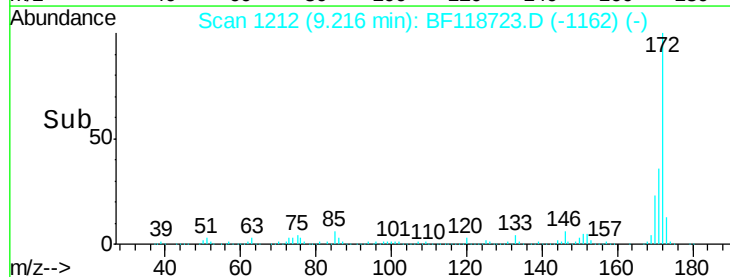
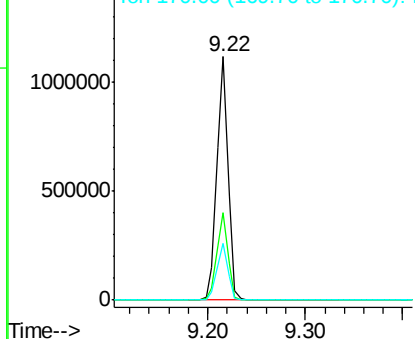


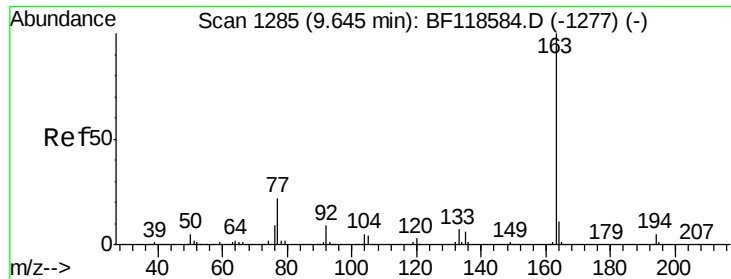
#45  
 2-Fluorobiphenyl  
 Concen: 26.240 ng  
 RT: 9.22 min Scan# 1212  
 Delta R.T. -0.01 min  
 Lab File: BF118723.D  
 Acq: 27 Jan 2020 17:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.0  | 31.0  | 46.4  |
| 170     | 23.5  | 20.7  | 31.1  |



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: 2.251 ng

RT: 9.60 min Scan# 1278

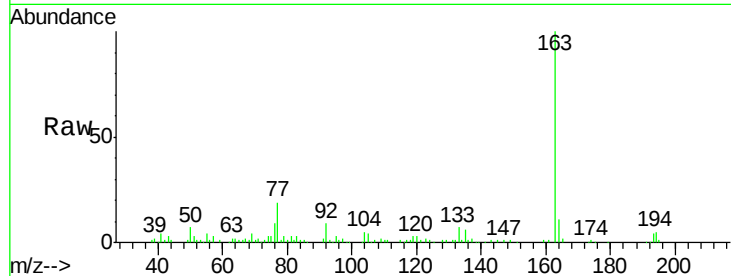
Delta R.T. -0.02 min

Lab File: BF118723.D

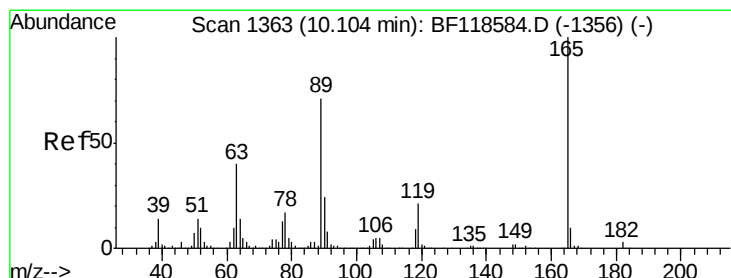
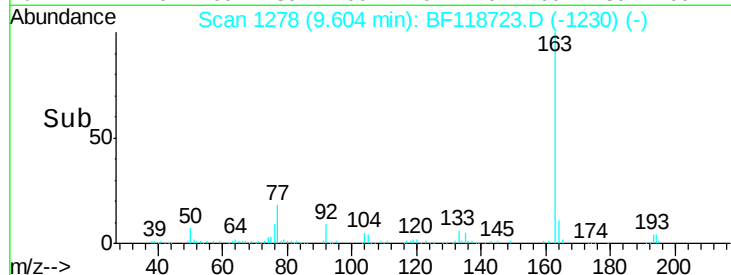
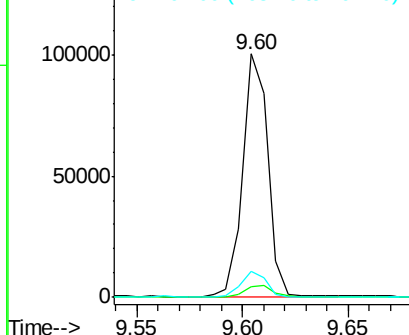
Acq: 27 Jan 2020 17:09

Instrument :  
BNA\_F  
ClientSampled :

|             |       |          |
|-------------|-------|----------|
| Tot Ion:163 | Resp: | 81802    |
| Ion Ratio   | Lower | Upper    |
| 163         | 100   |          |
| 194         | 4.6   | 3.7 5.5  |
| 164         | 10.6  | 8.2 12.2 |



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



#57

2,4-Dinitrotoluene

Concen: 7.270 ng

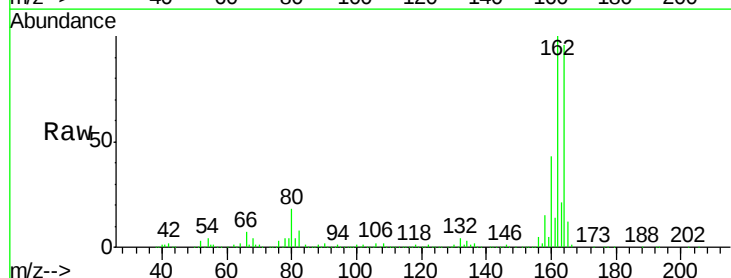
RT: 9.90 min Scan# 1328

Delta R.T. -0.18 min

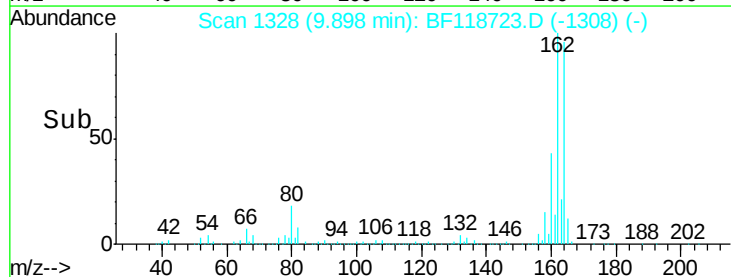
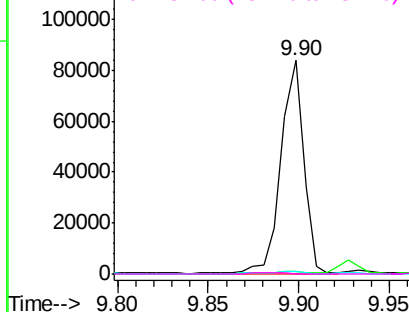
Lab File: BF118723.D

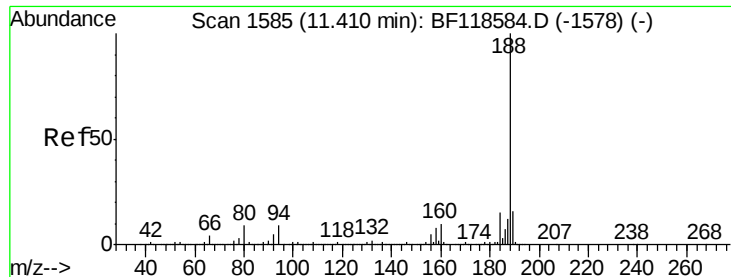
Acq: 27 Jan 2020 17:09

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:165 | Resp: | 74576      |
| Ion Ratio   | Lower | Upper      |
| 165         | 100   |            |
| 63          | 1.1   | 28.5 42.7# |
| 89          | 1.2   | 50.4 75.6# |
| 182         | 0.0   | 2.3 3.5#   |



Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 89.00 (88.70 to 89.70): BF1  
Ion 182.00 (181.70 to 182.70): E

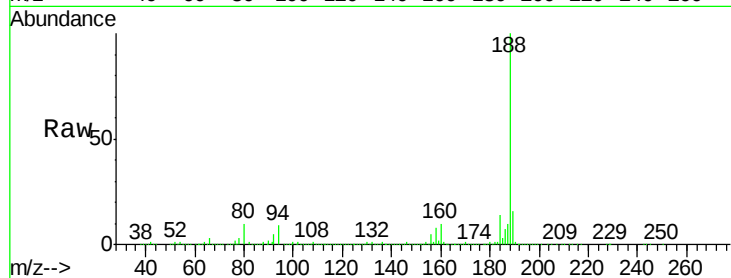




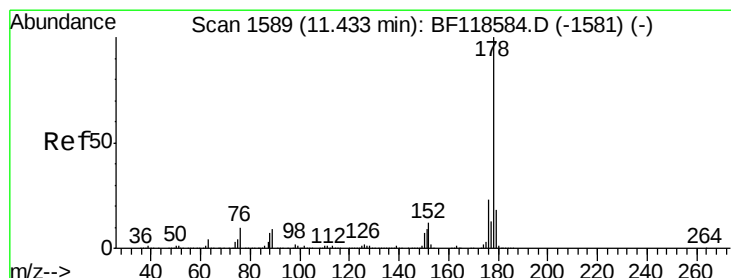
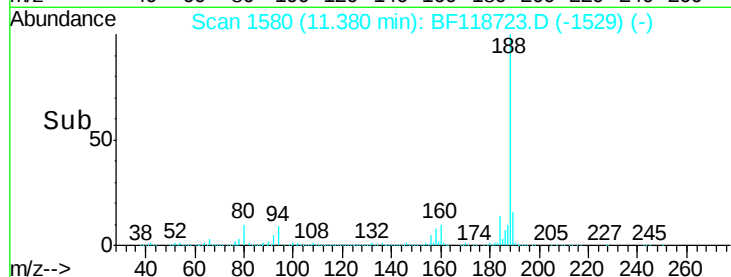
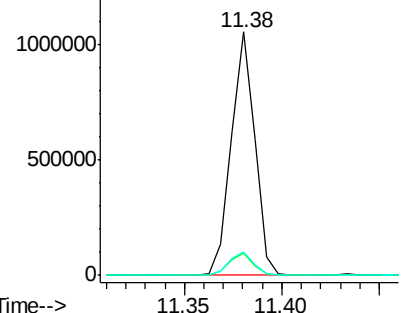
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.38 min Scan# 1580  
Delta R.T. -0.00 min  
Lab File: BF118723.D  
Acq: 27 Jan 2020 17:09

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:188 Resp: 883557  
Ion Ratio Lower Upper  
188 100  
94 8.9 7.4 11.2  
80 9.6 7.8 11.8

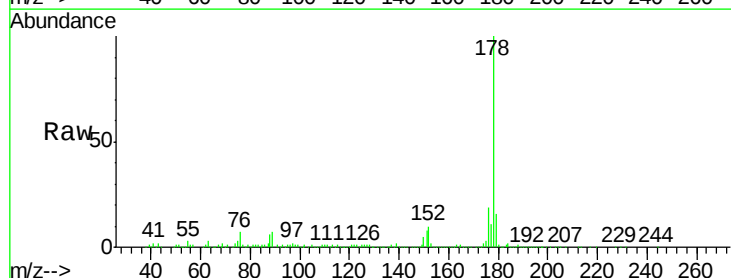


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF1  
Ion 80.00 (79.70 to 80.70): BF1

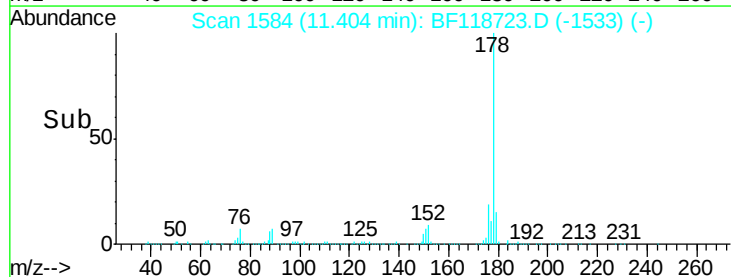
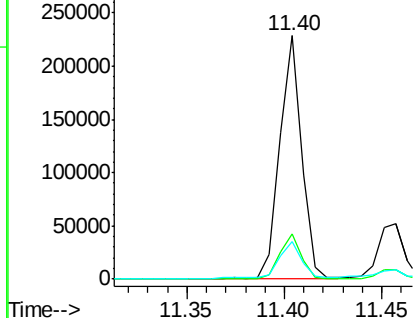


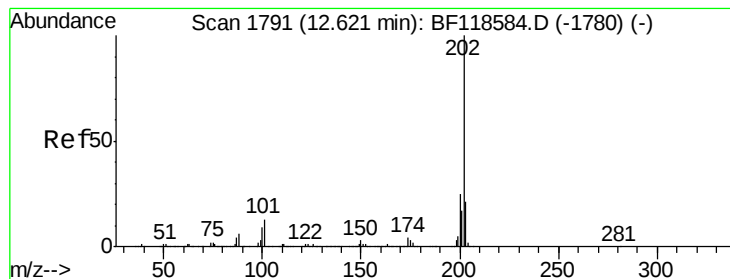
#71  
Phenanthrene  
Concen: 4.170 ng  
RT: 11.40 min Scan# 1584  
Delta R.T. -0.00 min  
Lab File: BF118723.D  
Acq: 27 Jan 2020 17:09

Tgt Ion:178 Resp: 177770  
Ion Ratio Lower Upper  
178 100  
176 18.8 16.5 24.7  
179 15.6 13.3 19.9



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: 3.722 ng

RT: 12.59 min Scan# 1786

Delta R.T. -0.00 min

Lab File: BF118723.D

Acq: 27 Jan 2020 17:09

Instrument :

BNA\_F

ClientSampleId :

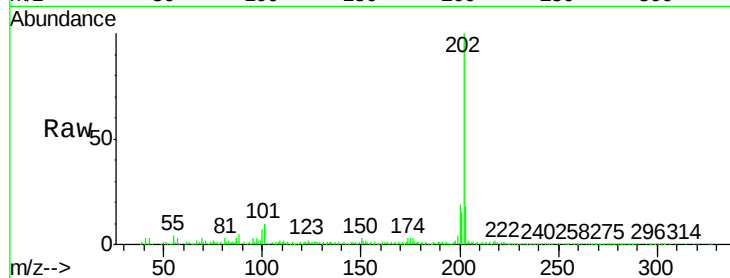
Tot Ion:202 Resp: 167337

Ion Ratio Lower Upper

202 100

101 10.2 0.0 32.1

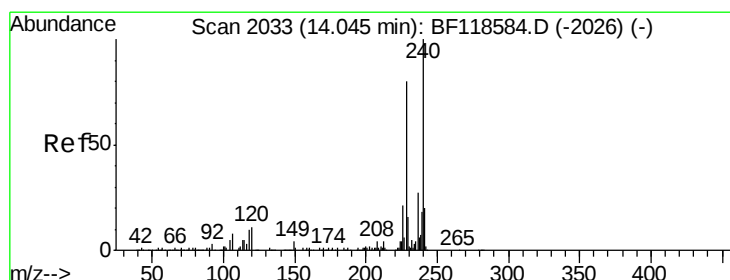
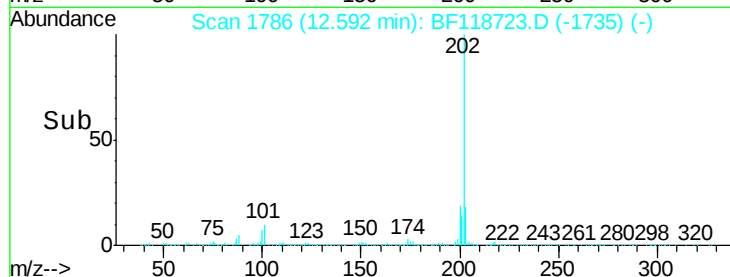
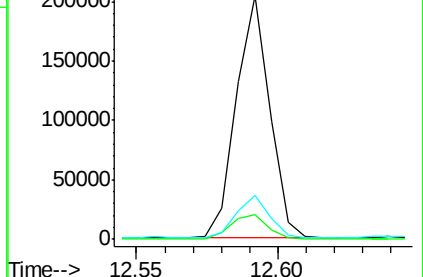
203 18.1 0.0 38.9



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: 14.02 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BF118723.D

Acq: 27 Jan 2020 17:09

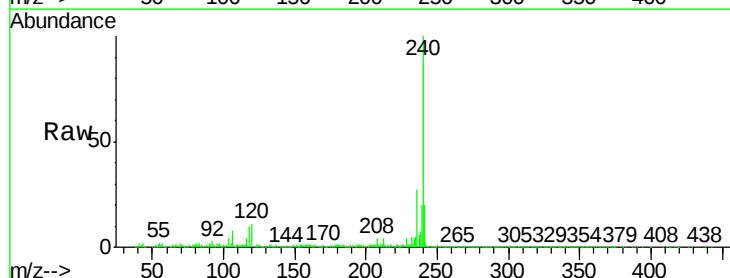
Tgt Ion:240 Resp: 619245

Ion Ratio Lower Upper

240 100

120 11.4 7.6 11.4#

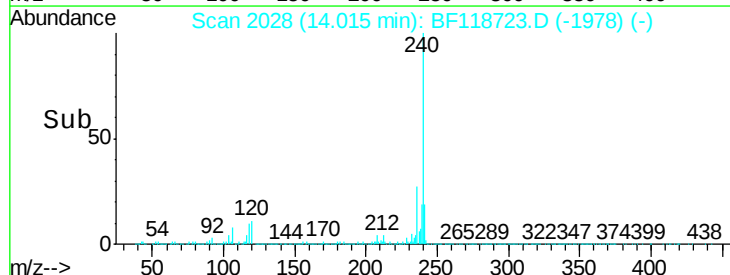
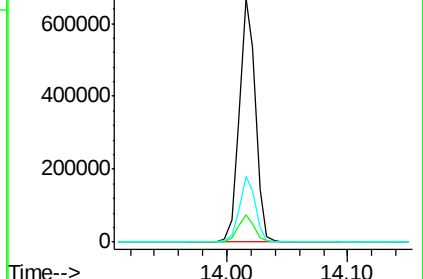
236 26.7 21.0 31.4

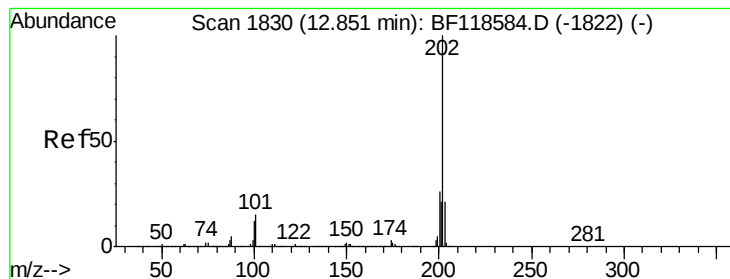


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 3.975 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.00 min

Lab File: BF118723.D

Acq: 27 Jan 2020 17:09

Instrument :

BNA\_F

ClientSampleId :

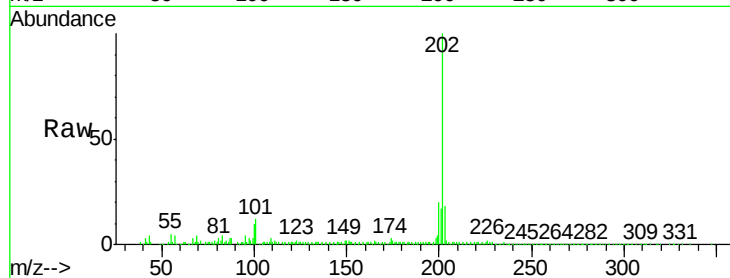
Tot Ion:202 Resp: 167125

Ion Ratio Lower Upper

202 100

200 20.4 18.1 27.1

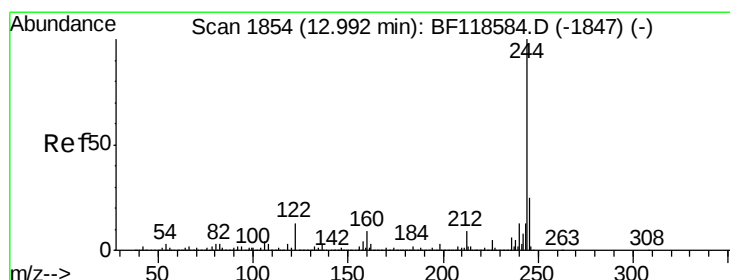
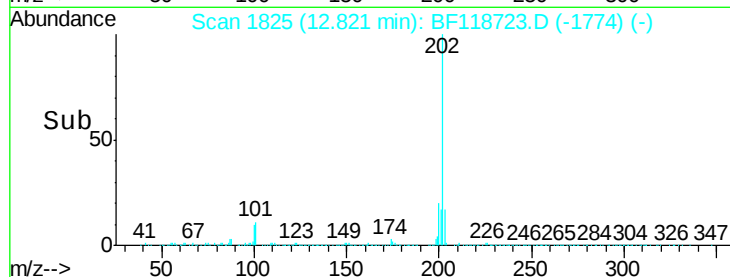
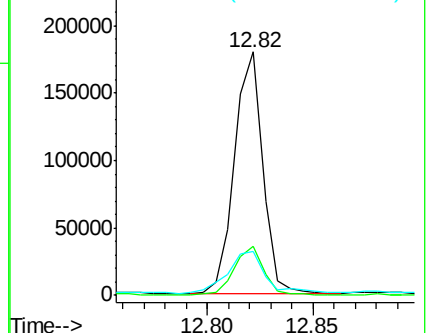
203 18.1 15.2 22.8



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: 28.169 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.00 min

Lab File: BF118723.D

Acq: 27 Jan 2020 17:09

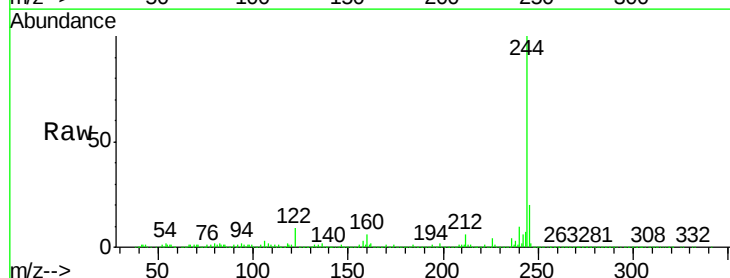
Tgt Ion:244 Resp: 799754

Ion Ratio Lower Upper

244 100

212 6.4 6.3 9.5

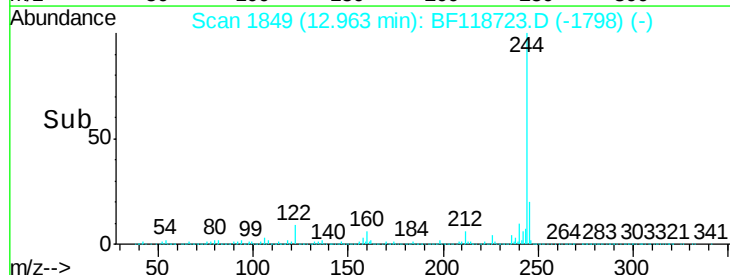
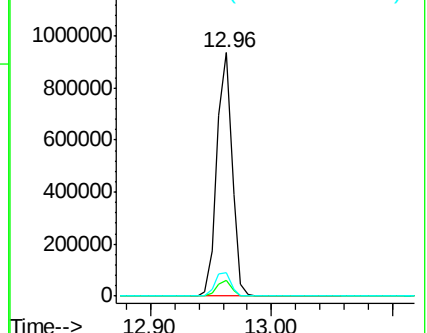
122 9.4 9.2 13.8

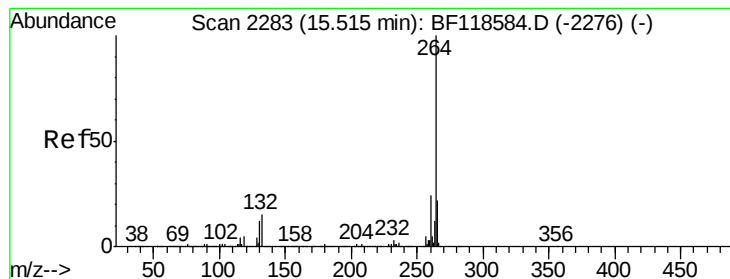


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.49 min Scan# 2278

Delta R.T. 0.01 min

Lab File: BF118723.D

Acq: 27 Jan 2020 17:09

Instrument :

BNA\_F

ClientSampleId :

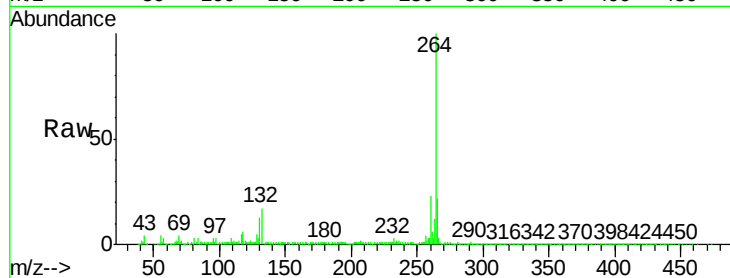
Tot Ion:264 Resp: 753243

Ion Ratio Lower Upper

264 100

260 23.0 18.6 28.0

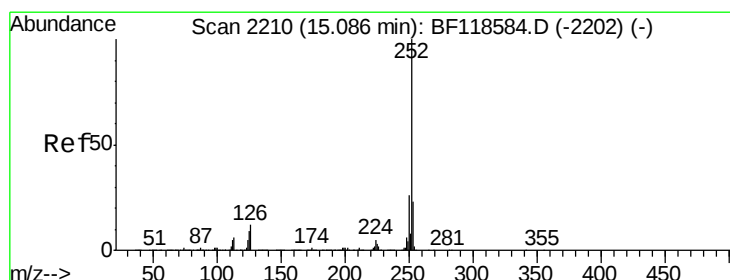
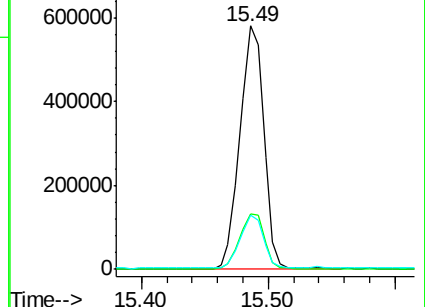
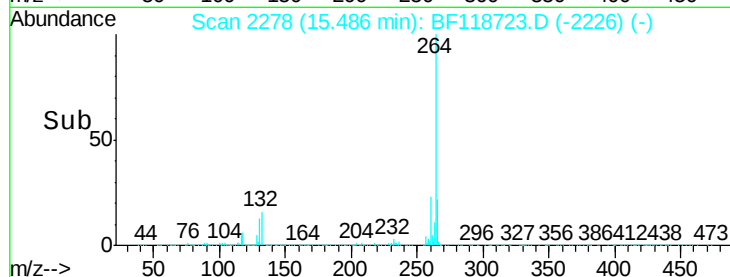
265 22.1 17.0 25.6



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: 2.623 ng

RT: 15.06 min Scan# 2205

Delta R.T. -0.00 min

Lab File: BF118723.D

Acq: 27 Jan 2020 17:09

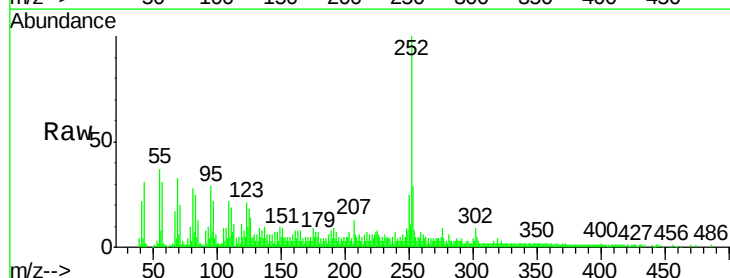
Tgt Ion:252 Resp: 124183

Ion Ratio Lower Upper

252 100

253 28.6 18.2 27.4#

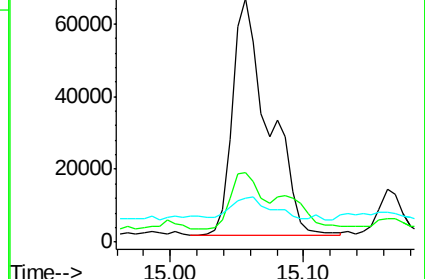
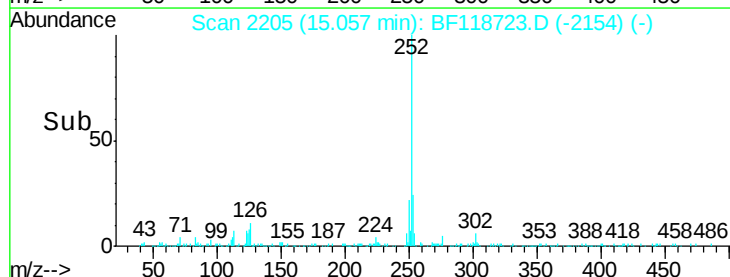
125 18.0 7.7 11.5#

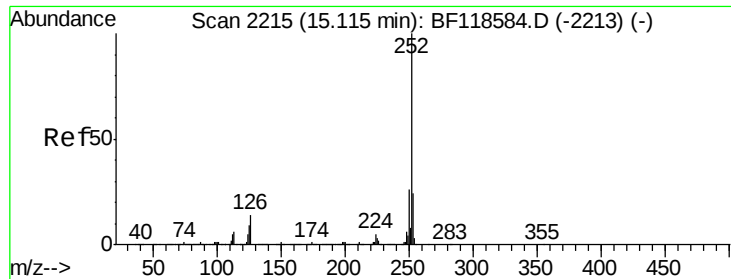


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 2.831 ng

RT: 15.06 min Scan# 2205

Delta R.T. -0.03 min

Lab File: BF118723.D

Acq: 27 Jan 2020 17:09

Instrument :

BNA\_F

ClientSampleId :

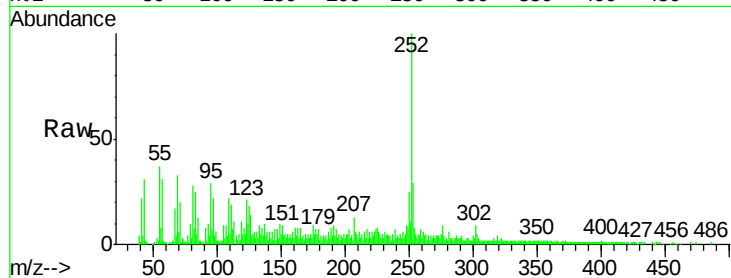
Tot Ion:252 Resp: 124183

Ion Ratio Lower Upper

252 100

253 28.6 18.4 27.6#

125 18.0 8.1 12.1#



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

