

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF100623\  
 Data File : BF135641.D  
 Acq On : 06 Oct 2023 21:37  
 Operator : CG\JU  
 Sample : 04763-01 2X  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PAT-1-100423

Quant Time: Oct 07 01:53:23 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 04 17:06:20 2023  
 Response via : Initial Calibration

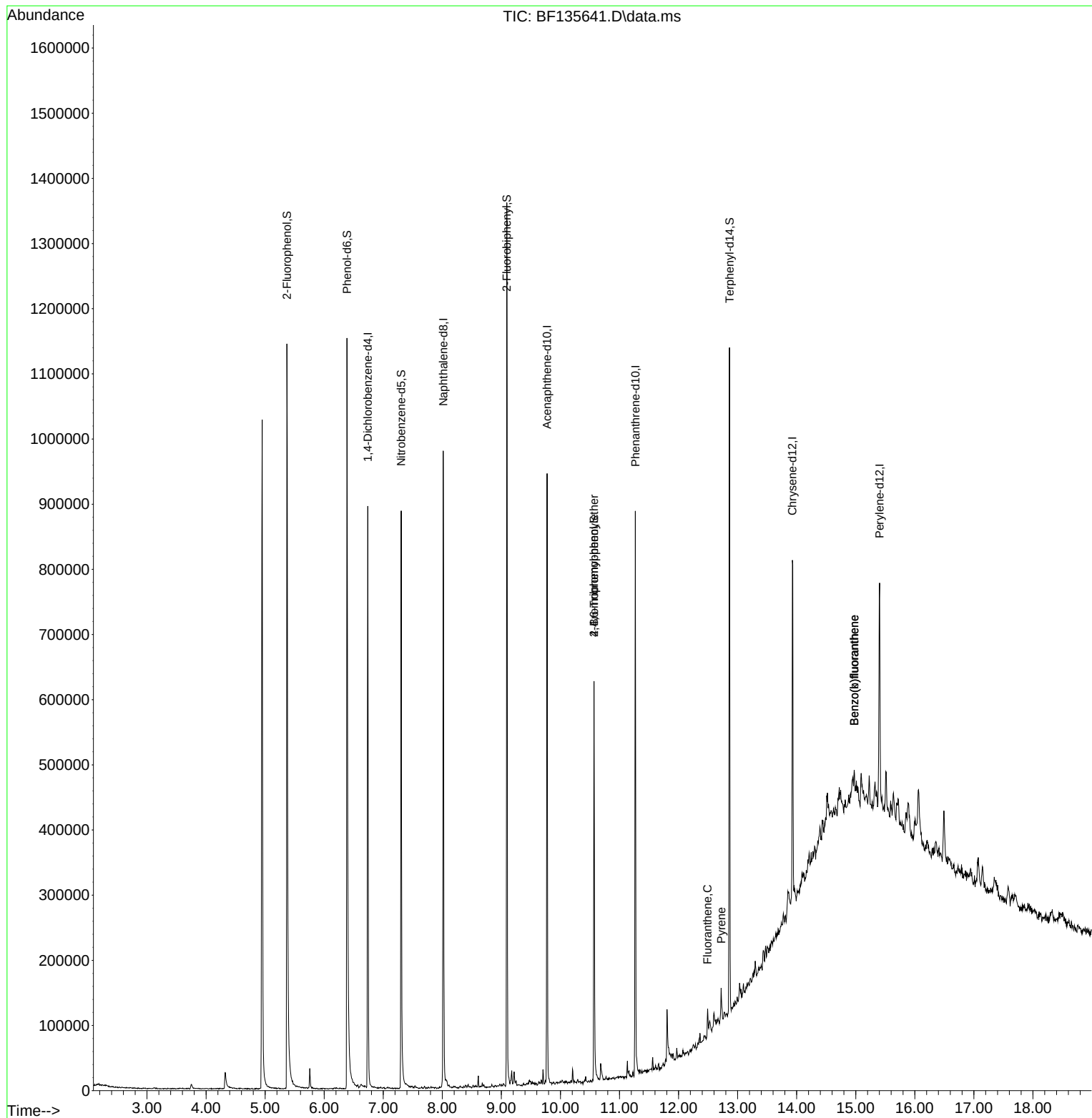
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min)   |
|-------------------------------|--------|------|----------|--------|-------|------------|
| -----                         |        |      |          |        |       |            |
| Internal Standards            |        |      |          |        |       |            |
| 1) 1,4-Dichlorobenzene-d4     | 6.739  | 152  | 126497   | 20.000 | ng    | 0.00       |
| 21) Naphthalene-d8            | 8.016  | 136  | 424487   | 20.000 | ng    | 0.00       |
| 39) Acenaphthene-d10          | 9.774  | 164  | 172196   | 20.000 | ng    | 0.00       |
| 64) Phenanthrene-d10          | 11.268 | 188  | 299711   | 20.000 | ng    | 0.00       |
| 76) Chrysene-d12              | 13.927 | 240  | 189330   | 20.000 | ng    | 0.00       |
| 86) Perylene-d12              | 15.403 | 264  | 157403   | 20.000 | ng    | 0.02       |
| System Monitoring Compounds   |        |      |          |        |       |            |
| 5) 2-Fluorophenol             | 5.369  | 112  | 362575   | 46.618 | ng    | 0.00       |
| 7) Phenol-d6                  | 6.386  | 99   | 435056   | 43.991 | ng    | 0.00       |
| 23) Nitrobenzene-d5           | 7.304  | 82   | 257347   | 32.937 | ng    | 0.00       |
| 42) 2,4,6-Tribromophenol      | 10.569 | 330  | 68667    | 40.128 | ng    | 0.00       |
| 45) 2-Fluorobiphenyl          | 9.092  | 172  | 398263   | 34.894 | ng    | 0.00       |
| 79) Terphenyl-d14             | 12.863 | 244  | 339884   | 27.829 | ng    | 0.00       |
| Target Compounds              |        |      |          |        |       |            |
| 67) 4-Bromophenyl-phenylether | 10.569 | 248  | 4751     | 1.594  | ng    | Qvalue # 1 |
| 75) Fluoranthene              | 12.492 | 202  | 17937    | 1.214  | ng    | 96         |
| 78) Pyrene                    | 12.721 | 202  | 19138    | 1.062  | ng    | 97         |
| 88) Benzo(b)fluoranthene      | 14.974 | 252  | 12792    | 1.501  | ng    | # 1        |
| 89) Benzo(k)fluoranthene      | 14.974 | 252  | 12792    | 1.520  | ng    | # 1        |
| -----                         |        |      |          |        |       |            |

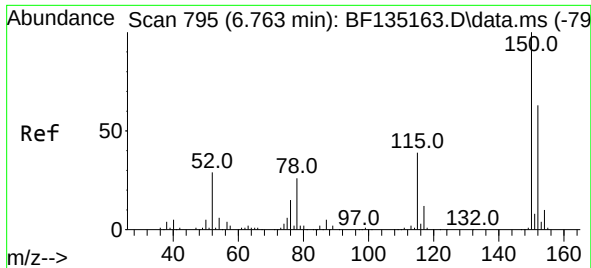
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF100623\  
Data File : BF135641.D  
Acq On : 06 Oct 2023 21:37  
Operator : CG\JU  
Sample : 04763-01 2X  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PAT-1-100423

Quant Time: Oct 07 01:53:23 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091123.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Oct 04 17:06:20 2023  
Response via : Initial Calibration

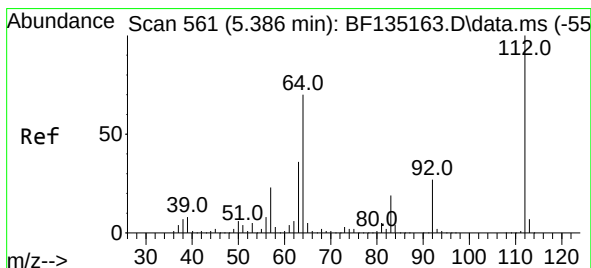
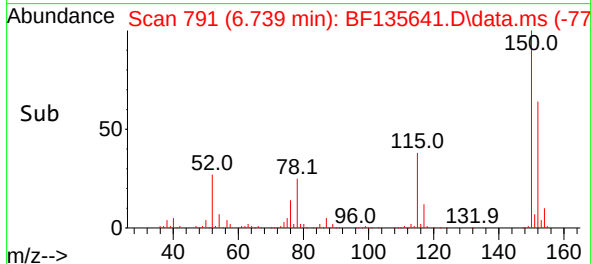
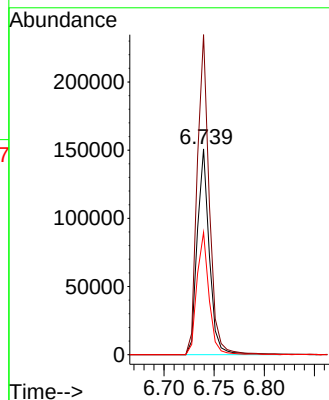
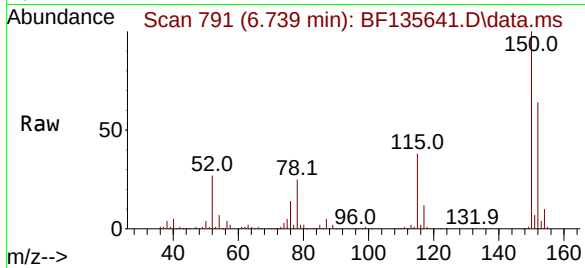




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.739 min Scan# 795  
Delta R.T. 0.000 min  
Lab File: BF135641.D  
Acq: 06 Oct 2023 21:37

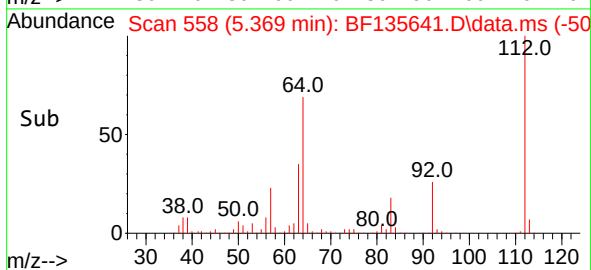
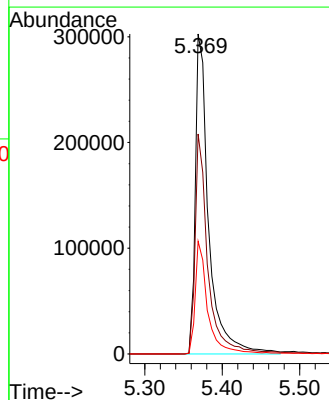
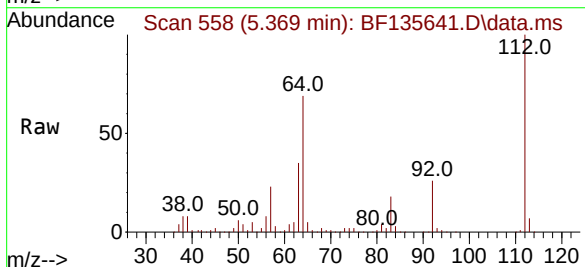
Instrument :  
BNA\_F  
ClientSampleId :  
PAT-1-100423

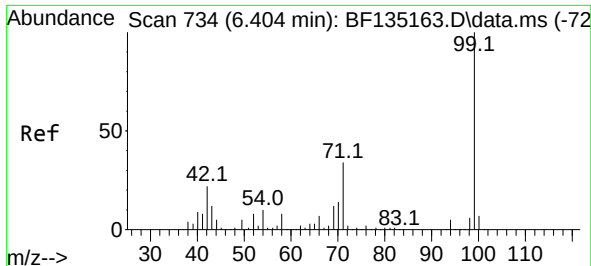
Tgt Ion:152 Resp: 126497  
Ion Ratio Lower Upper  
152 100  
150 155.5 127.8 191.6  
115 59.4 49.8 74.8



#5  
2-Fluorophenol  
Concen: 46.618 ng  
RT: 5.369 min Scan# 558  
Delta R.T. -0.000 min  
Lab File: BF135641.D  
Acq: 06 Oct 2023 21:37

Tgt Ion:112 Resp: 362575  
Ion Ratio Lower Upper  
112 100  
64 68.7 55.9 83.9  
63 35.2 29.0 43.6

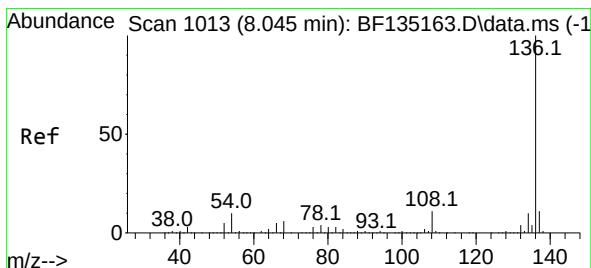
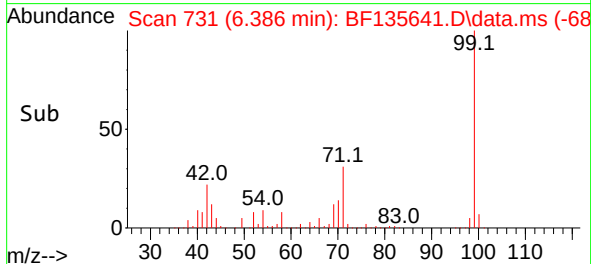
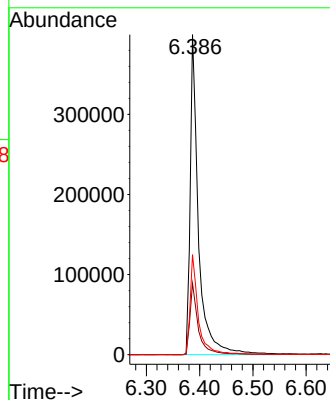
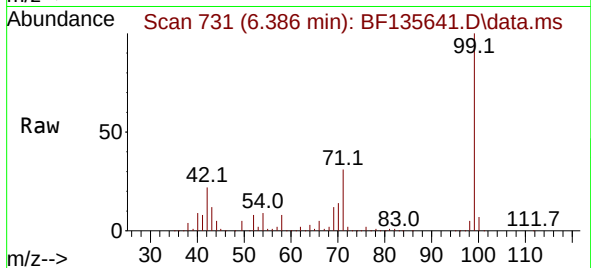




#7  
Phenol-d6  
Concen: 43.991 ng  
RT: 6.386 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: BF135641.D  
Acq: 06 Oct 2023 21:37

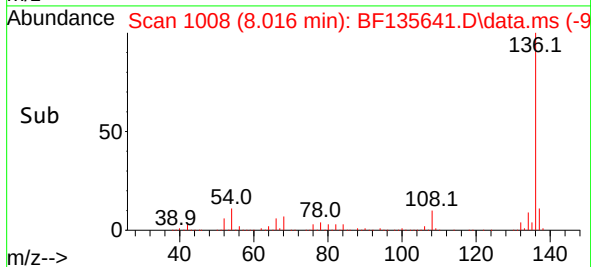
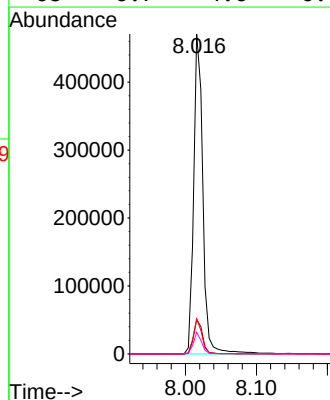
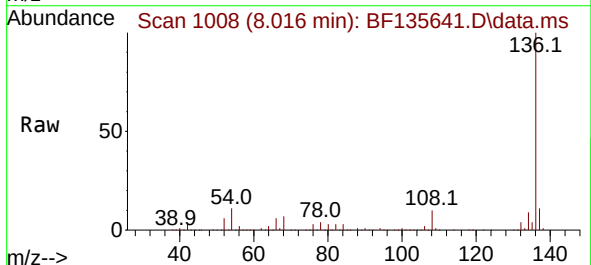
Instrument :  
BNA\_F  
ClientSampleId :  
PAT-1-100423

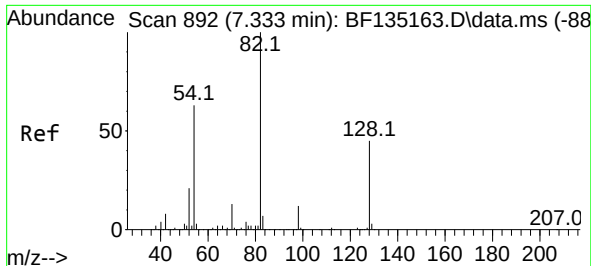
Tgt Ion: 99 Resp: 435056  
Ion Ratio Lower Upper  
99 100  
42 22.3 17.9 26.9  
71 31.2 27.0 40.6



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.016 min Scan# 1008  
Delta R.T. -0.000 min  
Lab File: BF135641.D  
Acq: 06 Oct 2023 21:37

Tgt Ion: 136 Resp: 424487  
Ion Ratio Lower Upper  
136 100  
137 10.8 8.8 13.2  
54 11.0 7.7 11.5  
68 6.7 4.6 6.8





#23

Nitrobenzene-d5

Concen: 32.937 ng

RT: 7.304 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF135641.D

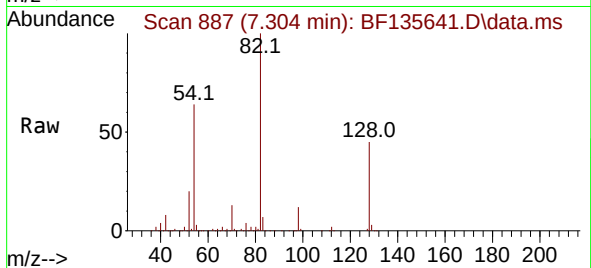
Acq: 06 Oct 2023 21:37

Instrument :

BNA\_F

ClientSampleId :

PAT-1-100423



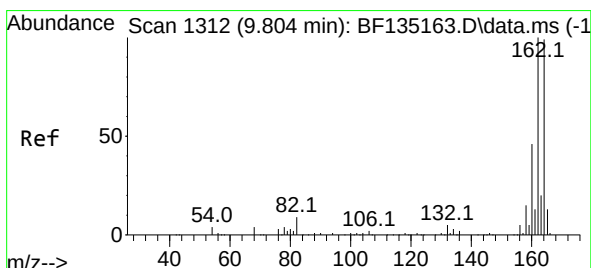
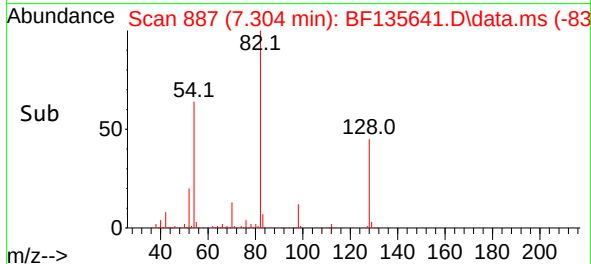
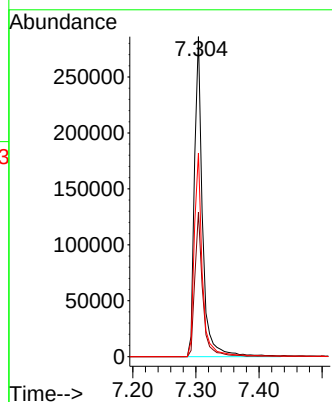
Tgt Ion: 82 Resp: 257347

Ion Ratio Lower Upper

82 100

128 45.2 35.8 53.6

54 63.7 50.6 76.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.774 min Scan# 1307

Delta R.T. -0.000 min

Lab File: BF135641.D

Acq: 06 Oct 2023 21:37

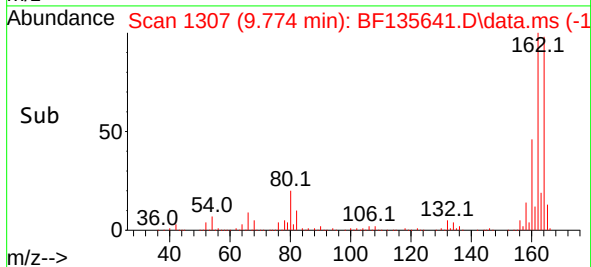
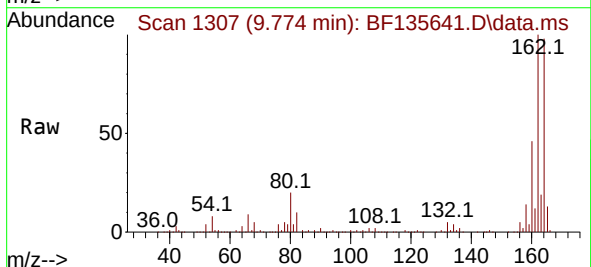
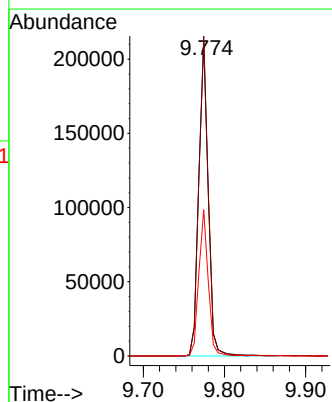
Tgt Ion: 164 Resp: 172196

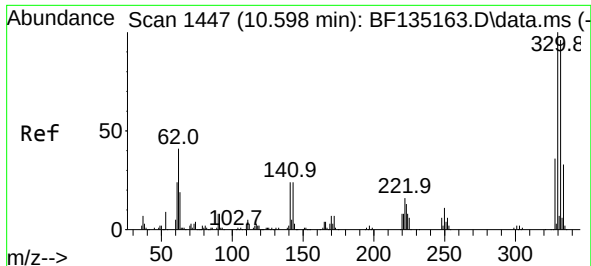
Ion Ratio Lower Upper

164 100

162 101.9 81.0 121.4

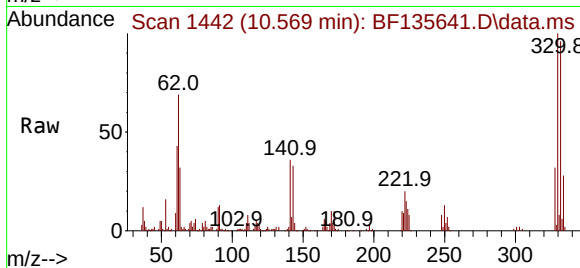
160 46.6 37.0 55.4



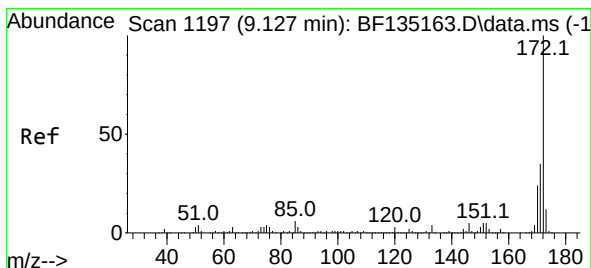
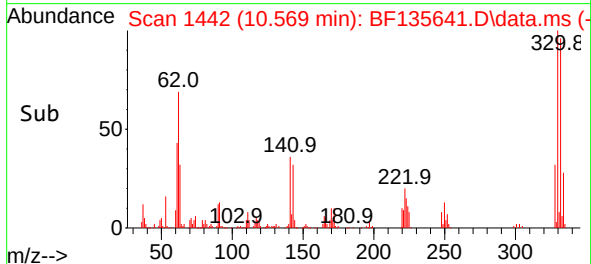
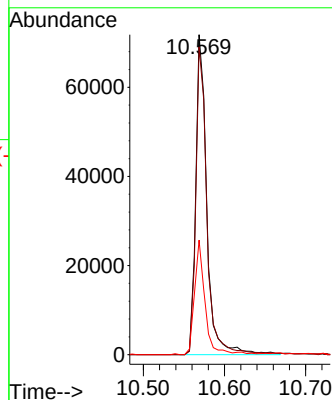


#42  
2,4,6-Tribromophenol  
Concen: 40.128 ng  
RT: 10.569 min Scan# 1442  
Delta R.T. -0.000 min  
Lab File: BF135641.D  
Acq: 06 Oct 2023 21:37

Instrument :  
BNA\_F  
ClientSampleId :  
PAT-1-100423

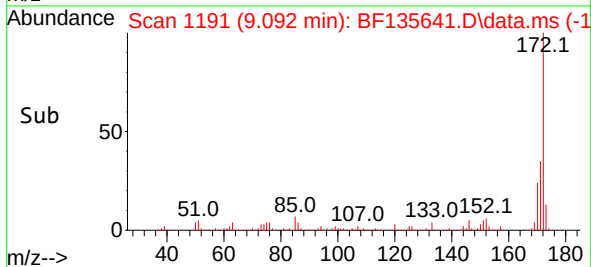
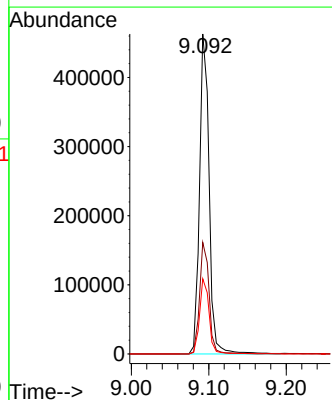
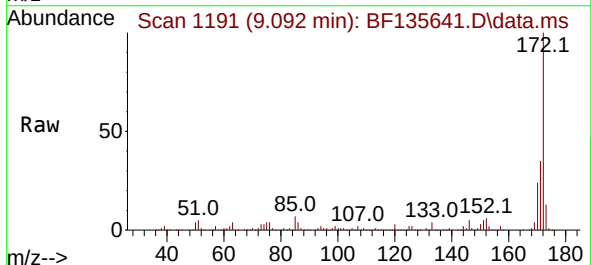


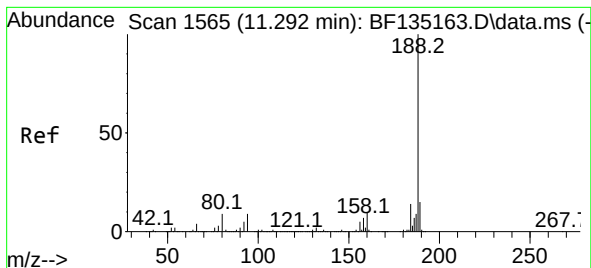
Tgt Ion: 330 Resp: 68667  
Ion Ratio Lower Upper  
330 100  
332 96.9 77.3 115.9  
141 34.3 25.8 38.8



#45  
2-Fluorobiphenyl  
Concen: 34.894 ng  
RT: 9.092 min Scan# 1191  
Delta R.T. -0.006 min  
Lab File: BF135641.D  
Acq: 06 Oct 2023 21:37

Tgt Ion: 172 Resp: 398263  
Ion Ratio Lower Upper  
172 100  
171 34.9 28.4 42.6  
170 23.5 19.0 28.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.268 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF135641.D

Acq: 06 Oct 2023 21:37

Instrument :

BNA\_F

ClientSampleId :

PAT-1-100423

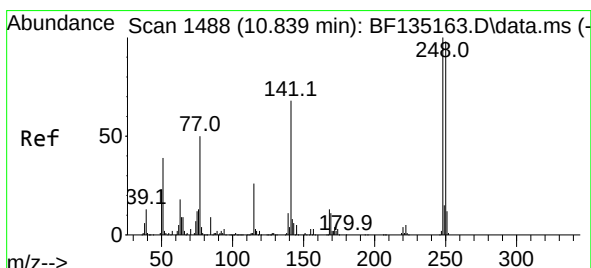
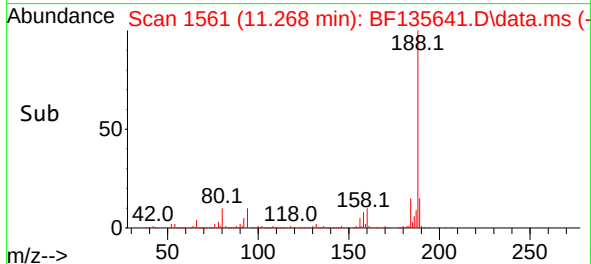
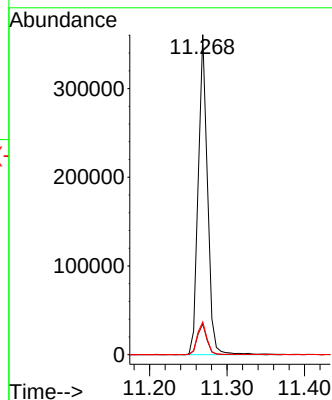
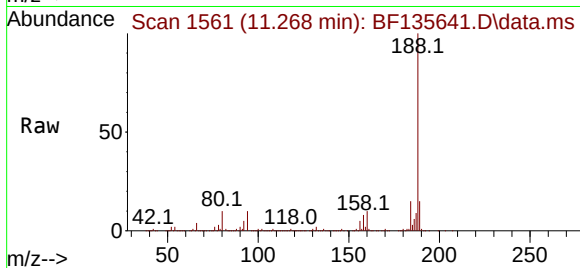
Tgt Ion:188 Resp: 299711

Ion Ratio Lower Upper

188 100

94 9.6 7.0 10.6

80 10.2 7.5 11.3



#67

4-Bromophenyl-phenylether

Concen: 1.594 ng

RT: 10.569 min Scan# 1442

Delta R.T. -0.241 min

Lab File: BF135641.D

Acq: 06 Oct 2023 21:37

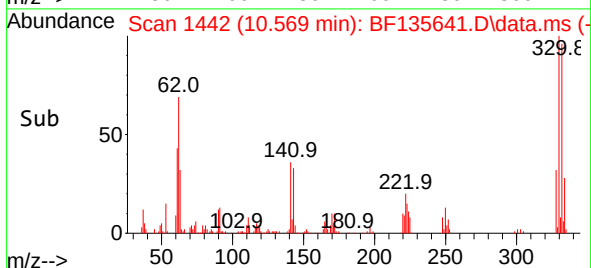
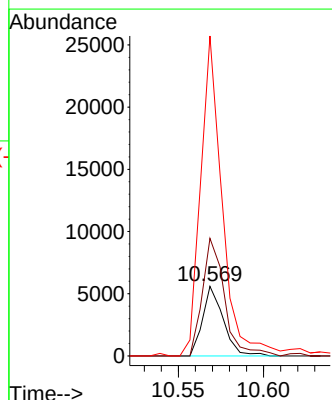
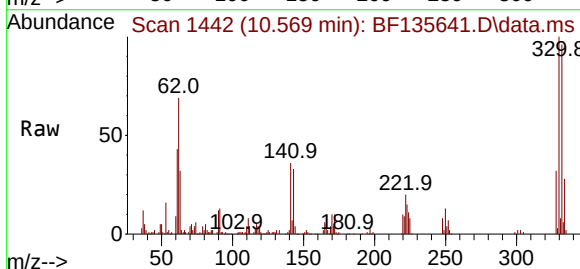
Tgt Ion:248 Resp: 4751

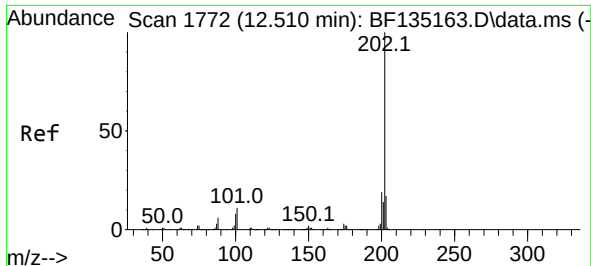
Ion Ratio Lower Upper

248 100

250 168.8 78.6 117.8#

141 459.4 54.2 81.2#

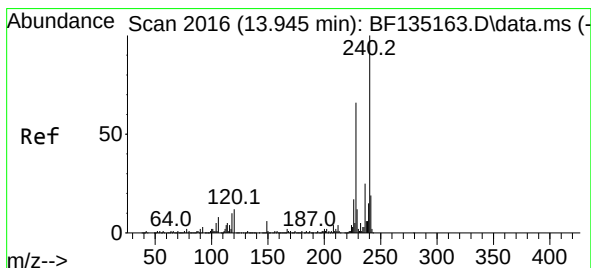
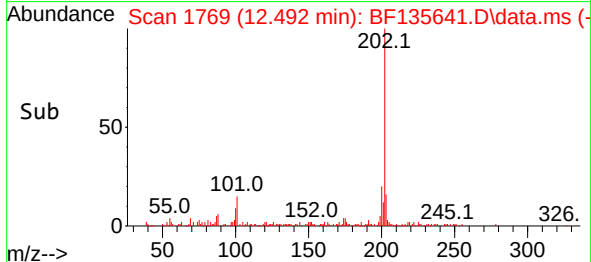
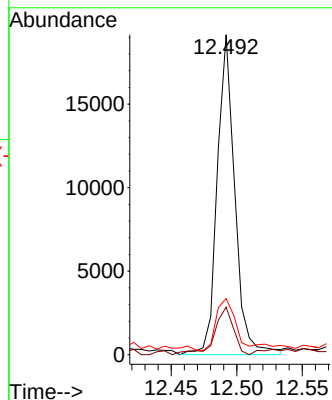
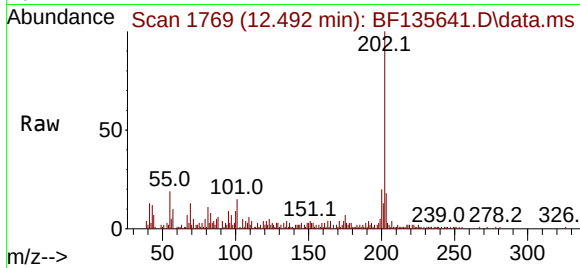




#75  
Fluoranthene  
Concen: 1.214 ng  
RT: 12.492 min Scan# 1  
Delta R.T. 0.006 min  
Lab File: BF135641.D  
Acq: 06 Oct 2023 21:37

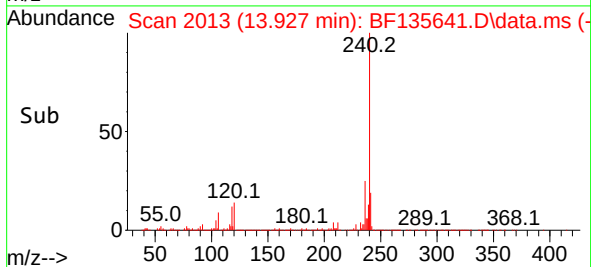
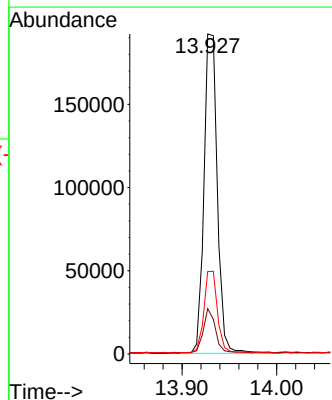
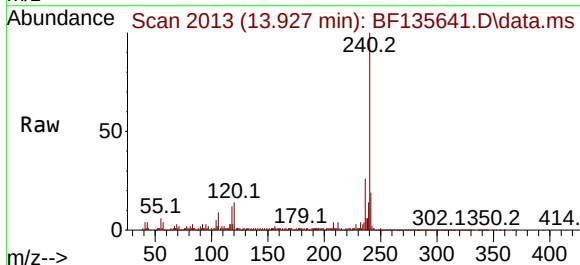
Instrument :  
BNA\_F  
ClientSampleId :  
PAT-1-100423

Tgt Ion:202 Resp: 17937  
Ion Ratio Lower Upper  
202 100  
101 14.9 0.0 31.3  
203 17.5 0.0 37.4

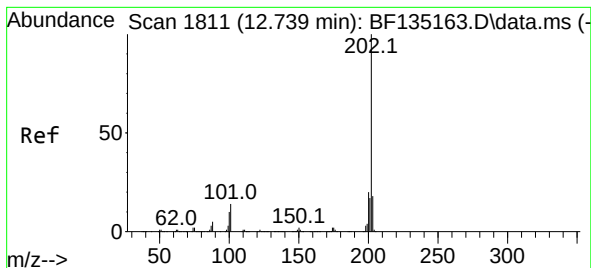


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.927 min Scan# 2013  
Delta R.T. -0.000 min  
Lab File: BF135641.D  
Acq: 06 Oct 2023 21:37

Tgt Ion:240 Resp: 189330  
Ion Ratio Lower Upper  
240 100  
120 14.2 9.4 14.2  
236 25.8 19.8 29.8







#78

Pyrene

Concen: 1.062 ng

RT: 12.721 min Scan# 1808

Delta R.T. 0.006 min

Lab File: BF135641.D

Acq: 06 Oct 2023 21:37

Instrument :

BNA\_F

ClientSampleId :

PAT-1-100423

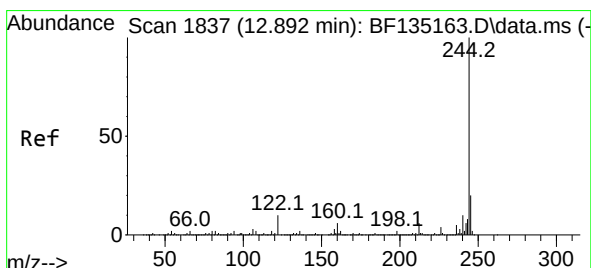
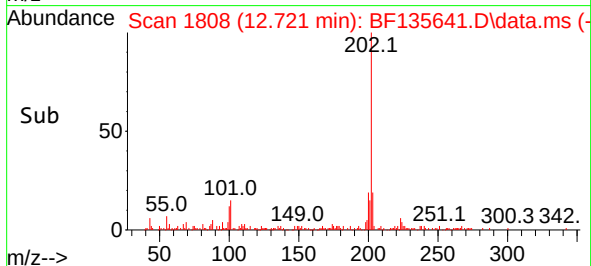
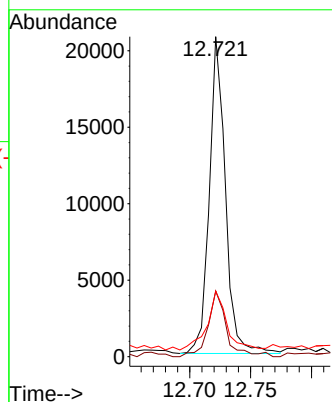
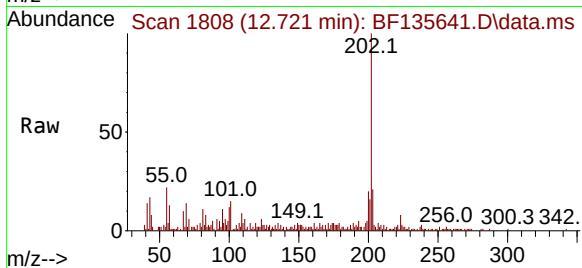
Tgt Ion:202 Resp: 19138

Ion Ratio Lower Upper

202 100

200 20.5 16.2 24.2

203 20.5 14.2 21.4



#79

Terphenyl-d14

Concen: 27.829 ng

RT: 12.863 min Scan# 1832

Delta R.T. -0.000 min

Lab File: BF135641.D

Acq: 06 Oct 2023 21:37

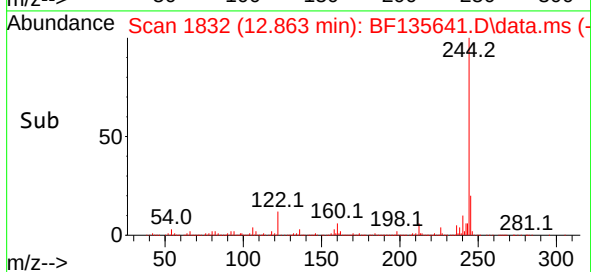
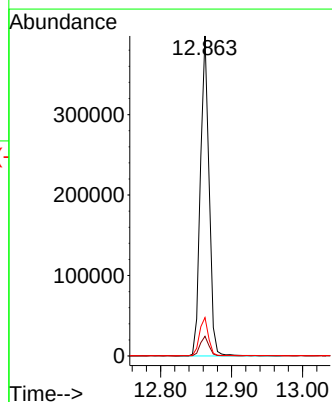
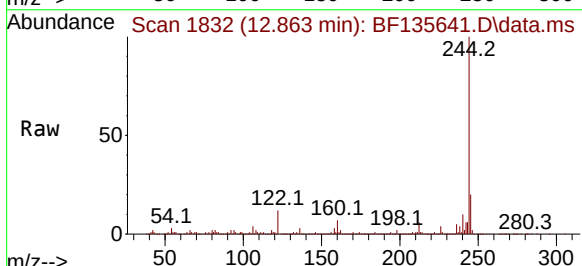
Tgt Ion:244 Resp: 339884

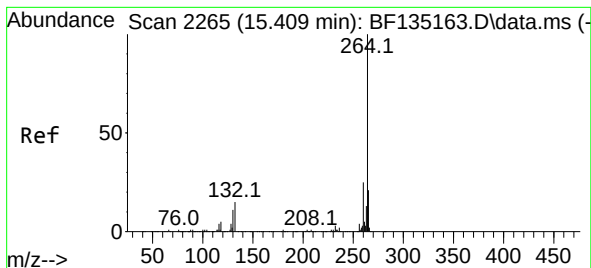
Ion Ratio Lower Upper

244 100

212 6.1 5.1 7.7

122 12.0 7.9 11.9#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.403 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF135641.D

Acq: 06 Oct 2023 21:37

Instrument :

BNA\_F

ClientSampleId :

PAT-1-100423

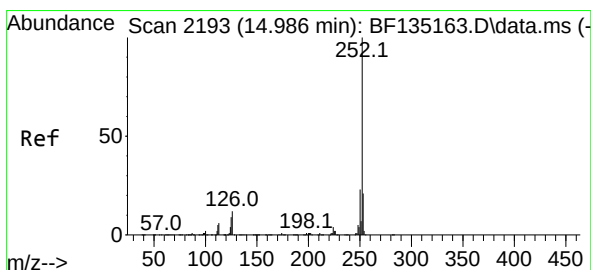
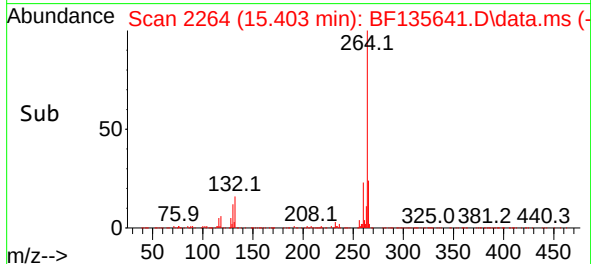
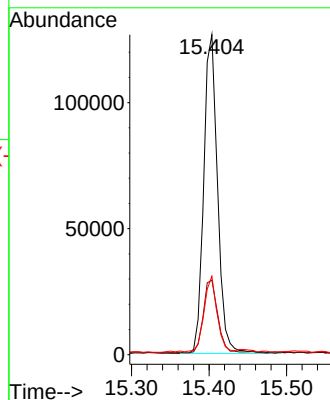
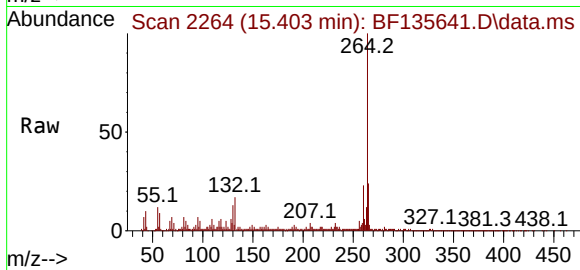
Tgt Ion:264 Resp: 157403

Ion Ratio Lower Upper

264 100

260 23.3 19.8 29.6

265 24.5 17.0 25.4



#88

Benzo(b)fluoranthene

Concen: 1.501 ng

RT: 14.974 min Scan# 2191

Delta R.T. 0.012 min

Lab File: BF135641.D

Acq: 06 Oct 2023 21:37

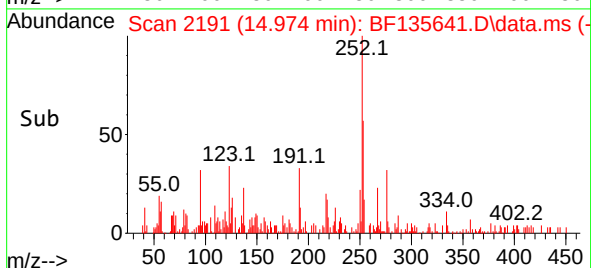
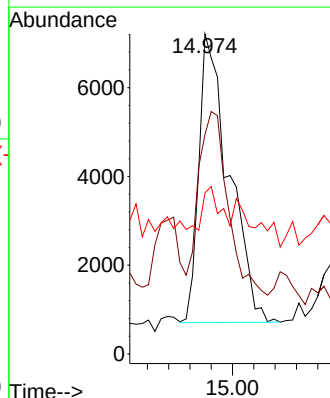
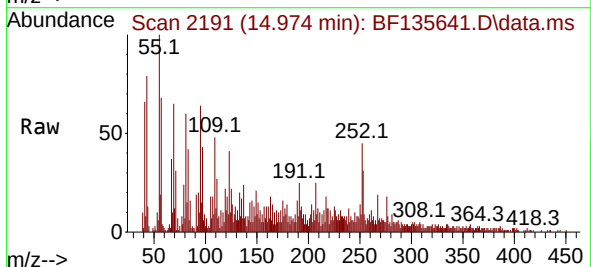
Tgt Ion:252 Resp: 12792

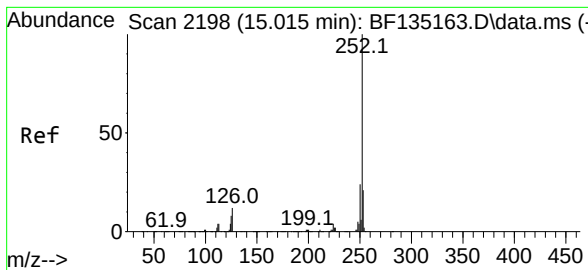
Ion Ratio Lower Upper

252 100

253 68.5 17.2 25.8#

125 50.4 7.1 10.7#





#89

Benzo(k)fluoranthene

Concen: 1.520 ng

RT: 14.974 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF135641.D

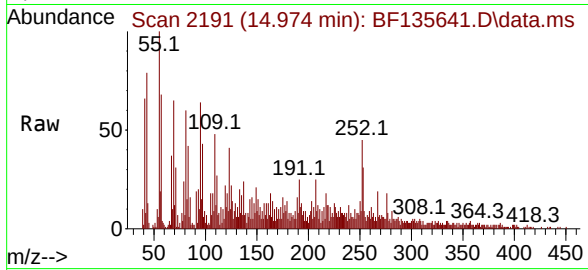
Acq: 06 Oct 2023 21:37

Instrument :

BNA\_F

ClientSampleId :

PAT-1-100423



Tgt Ion:252 Resp: 12792

Ion Ratio Lower Upper

252 100

253 68.5 17.4 26.0#

125 50.4 7.2 10.8#

