

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF051622\  
 Data File : BF128281.D  
 Acq On : 16 May 2022 21:45  
 Operator : CG\JU  
 Sample : N2856-01  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HR-02-051322

Quant Time: May 17 06:23:25 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF050922.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat May 14 00:51:21 2022  
 Response via : Initial Calibration

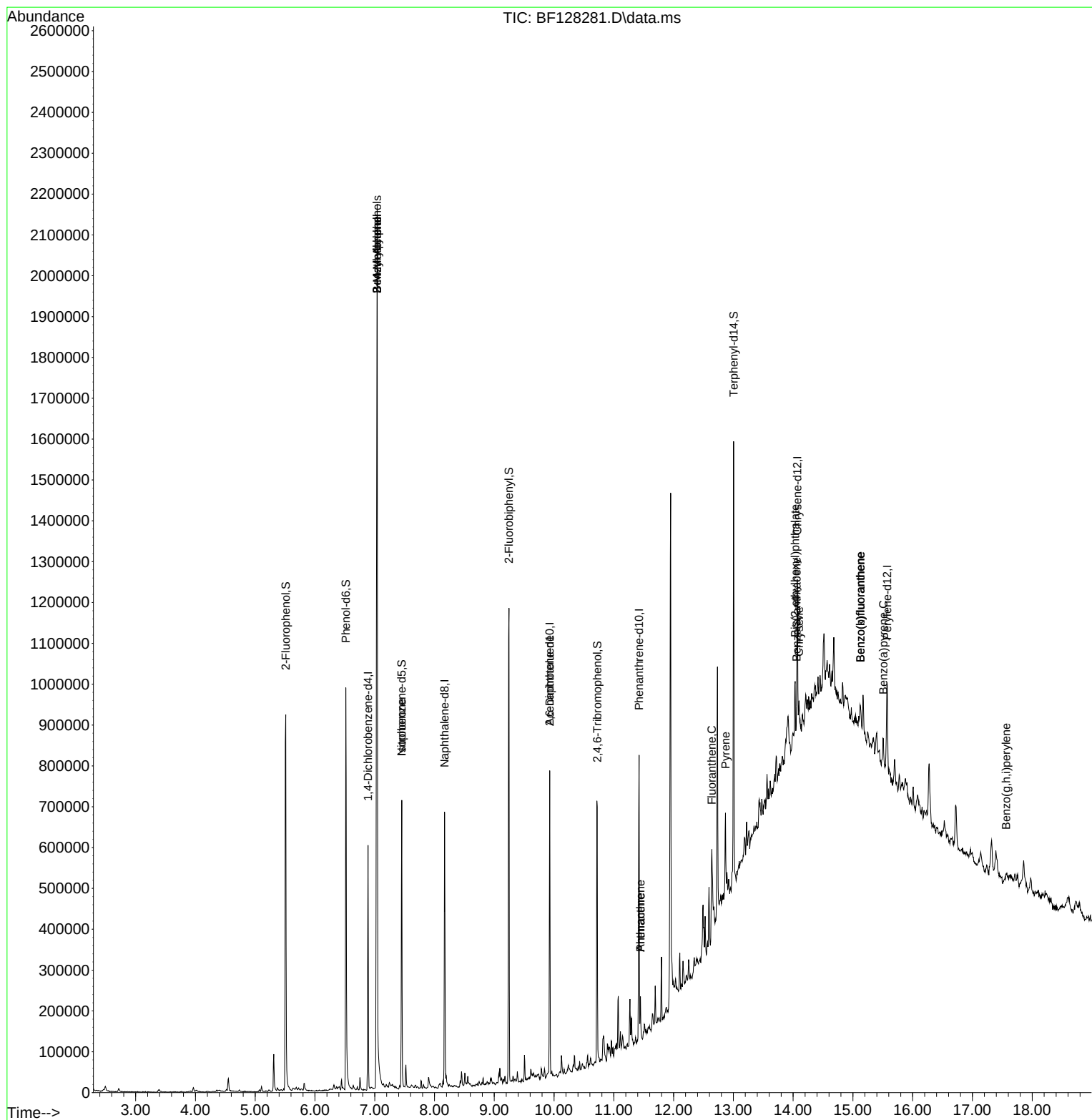
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.887  | 152  | 72063    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.169  | 136  | 254294   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.928  | 164  | 132014   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.422 | 188  | 237845   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.069 | 240  | 127454   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.574 | 264  | 95507    | 20.000  | ng    | 0.01     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.510  | 112  | 248945   | 55.070  | ng    | 0.00     |
| 7) Phenol-d6                  | 6.516  | 99   | 307781   | 51.476  | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.451  | 82   | 203420   | 35.995  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.722 | 330  | 75551    | 49.900  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.245  | 172  | 338185   | 40.083  | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.004 | 244  | 340989   | 50.201  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 15) Benzyl Alcohol            | 7.040  | 79   | 532827   | 112.768 | ng    | 96       |
| 17) 2-Methylphenol            | 7.040  | 107  | 249650   | 63.911  | ng    | # 1      |
| 20) 3+4-Methylphenols         | 7.040  | 107  | 247309   | 51.133  | ng    | # 6      |
| 25) Isophorone                | 7.451  | 82   | 202197   | 22.821  | ng    | # 68     |
| 51) 2,6-Dinitrotoluene        | 9.928  | 165  | 17945    | 9.603   | ng    | # 22     |
| 71) Phenanthrene              | 11.445 | 178  | 36278    | 3.063   | ng    | 99       |
| 72) Anthracene                | 11.445 | 178  | 36278    | 3.068   | ng    | 99       |
| 75) Fluoranthene              | 12.639 | 202  | 66609    | 5.188   | ng    | 98       |
| 78) Pyrene                    | 12.869 | 202  | 62395    | 6.752   | ng    | 99       |
| 81) Benzo(a)anthracene        | 14.057 | 228  | 18566    | 2.281   | ng    | # 81     |
| 83) Chrysene                  | 14.098 | 228  | 28671    | 3.691   | ng    | # 92     |
| 84) Bis(2-ethylhexyl)phtha... | 14.033 | 149  | 41586    | 8.011   | ng    | # 98     |
| 88) Benzo(b)fluoranthene      | 15.127 | 252  | 35441    | 5.986   | ng    | # 54     |
| 89) Benzo(k)fluoranthene      | 15.127 | 252  | 35441    | 6.064   | ng    | # 53     |
| 90) Benzo(a)pyrene            | 15.510 | 252  | 13407    | 2.805   | ng    | # 43     |
| 92) Benzo(g,h,i)perylene      | 17.562 | 276  | 14979    | 3.163   | ng    | # 80     |

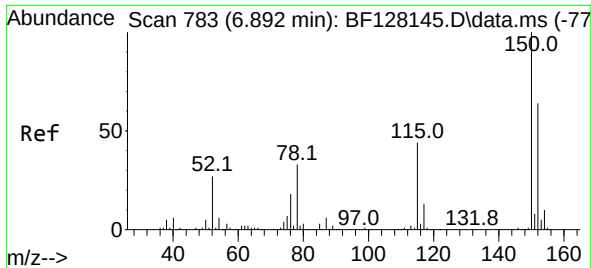
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF051622\  
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ALS Vial : 25 Sample Multiplier: 1

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Quant Time: May 17 06:23:25 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF050922.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat May 14 00:51:21 2022  
Response via : Initial Calibration

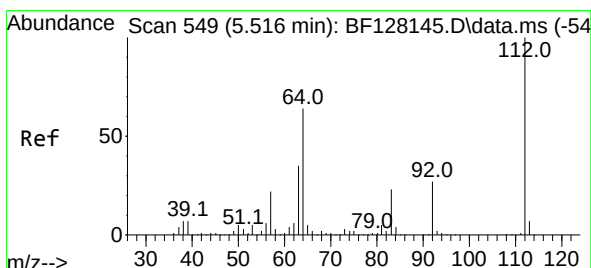
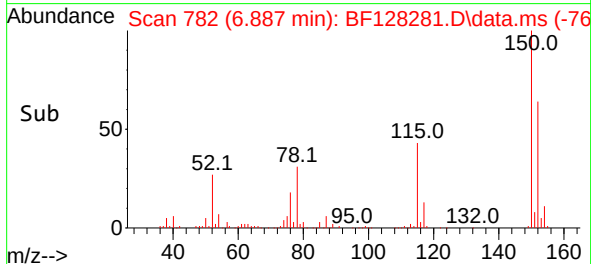
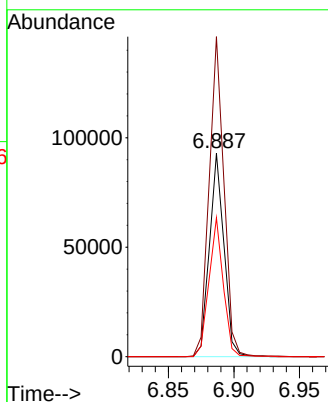
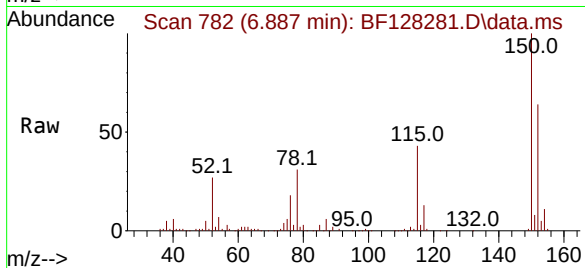




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.887 min Scan# 71  
 Delta R.T. -0.000 min  
 Lab File: BF128281.D  
 Acq: 16 May 2022 21:45

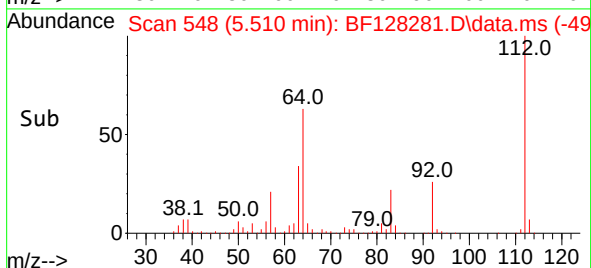
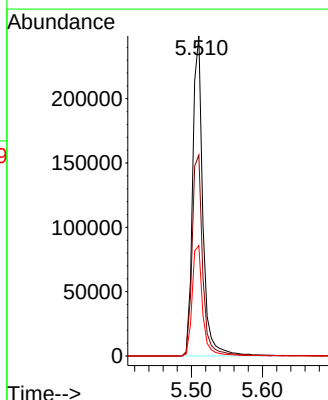
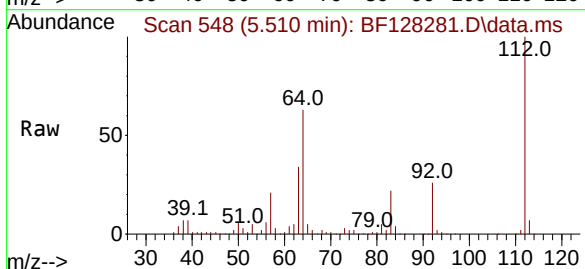
Instrument :  
 BNA\_F  
 ClientSampleId :  
 HR-02-051322

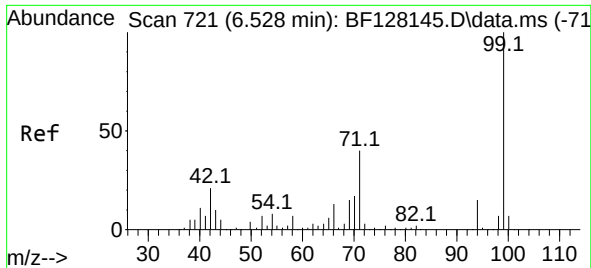
Tgt Ion:152 Resp: 72063  
 Ion Ratio Lower Upper  
 152 100  
 150 157.3 125.3 187.9  
 115 68.3 48.8 73.2



#5  
 2-Fluorophenol  
 Concen: 55.070 ng  
 RT: 5.510 min Scan# 548  
 Delta R.T. 0.000 min  
 Lab File: BF128281.D  
 Acq: 16 May 2022 21:45

Tgt Ion:112 Resp: 248945  
 Ion Ratio Lower Upper  
 112 100  
 64 62.8 49.5 74.3  
 63 34.5 26.3 39.5





#7

Phenol-d6

Concen: 51.476 ng

RT: 6.516 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF128281.D

Acq: 16 May 2022 21:45

Instrument :

BNA\_F

ClientSampleId :

HR-02-051322

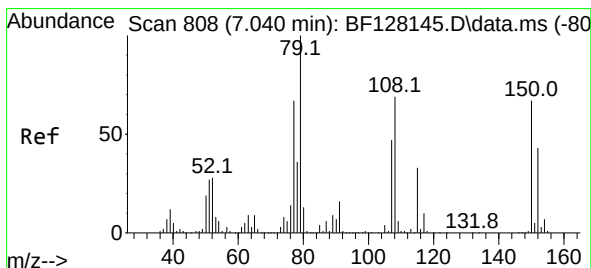
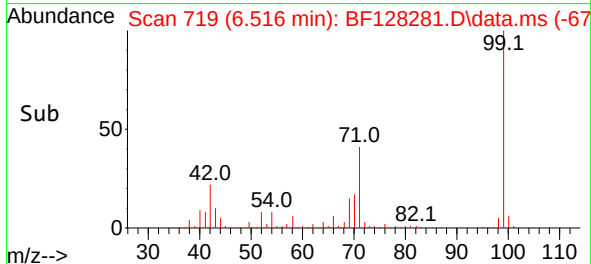
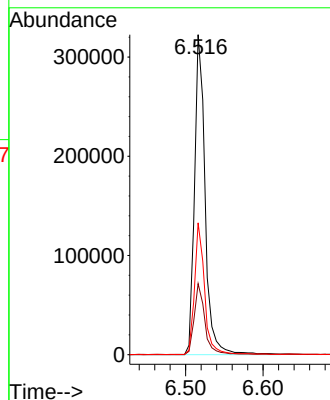
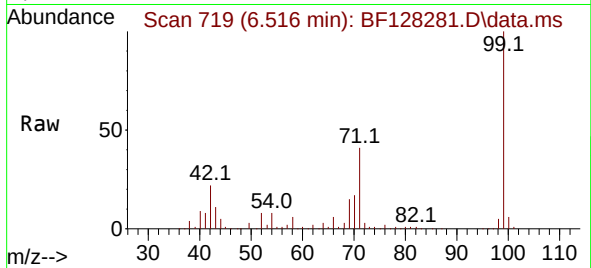
Tgt Ion: 99 Resp: 307781

Ion Ratio Lower Upper

99 100

42 22.2 16.6 24.8

71 41.2 30.0 45.0



#15

Benzyl Alcohol

Concen: 112.768 ng

RT: 7.040 min Scan# 808

Delta R.T. 0.006 min

Lab File: BF128281.D

Acq: 16 May 2022 21:45

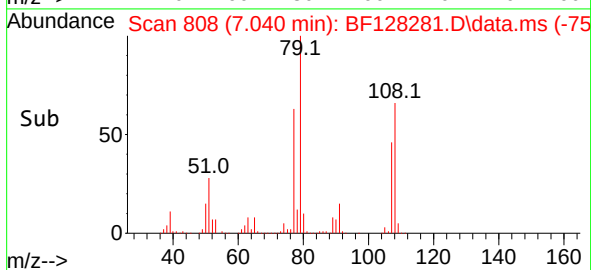
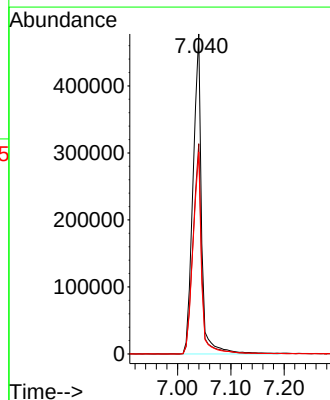
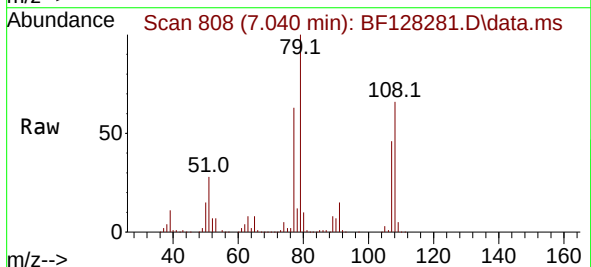
Tgt Ion: 79 Resp: 532827

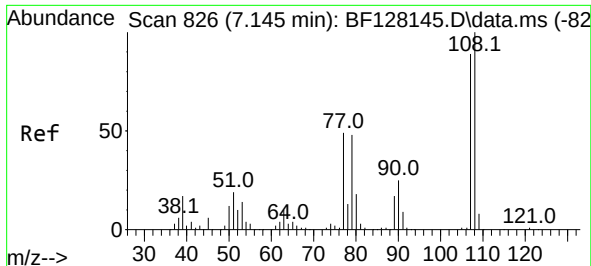
Ion Ratio Lower Upper

79 100

108 65.7 57.0 85.6

77 63.1 50.2 75.4

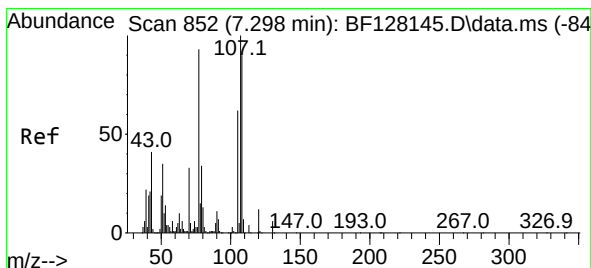
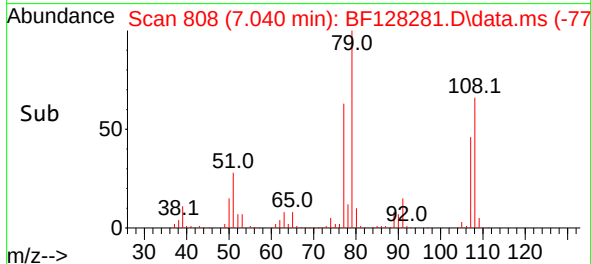
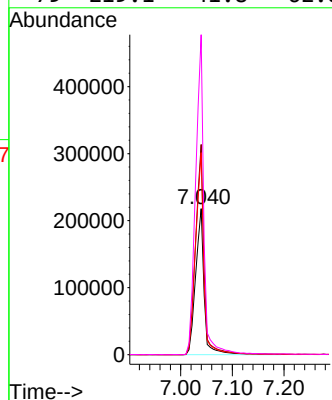
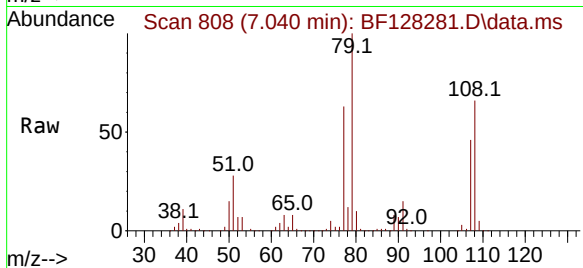




#17  
2-Methylphenol  
Concen: 63.911 ng  
RT: 7.040 min Scan# 808  
Delta R.T. -0.106 min  
Lab File: BF128281.D  
Acq: 16 May 2022 21:45

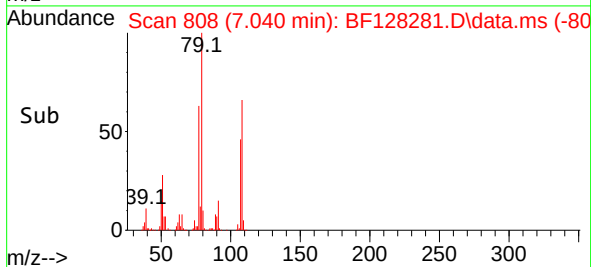
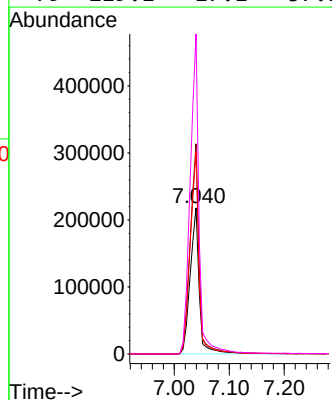
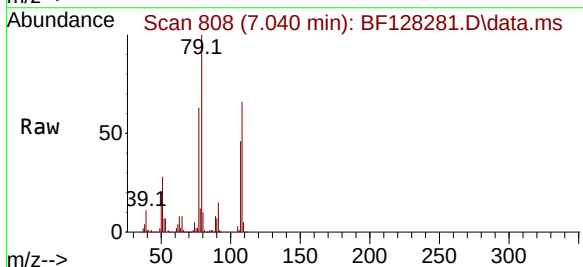
Instrument :  
BNA\_F  
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HR-02-051322

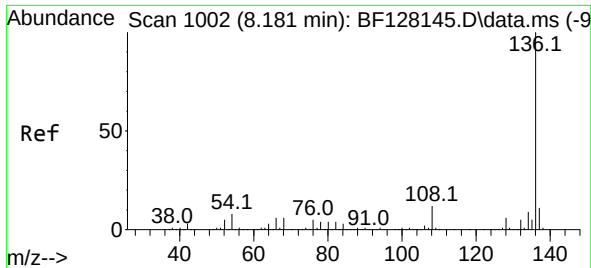
Tgt Ion:107 Resp: 249650  
Ion Ratio Lower Upper  
107 100  
108 143.9 90.2 135.2#  
77 138.3 41.9 62.9#  
79 219.1 41.8 62.8#



#20  
3+4-Methylphenols  
Concen: 51.133 ng  
RT: 7.040 min Scan# 808  
Delta R.T. -0.259 min  
Lab File: BF128281.D  
Acq: 16 May 2022 21:45

Tgt Ion:107 Resp: 247309  
Ion Ratio Lower Upper  
107 100  
108 143.9 73.4 113.4#  
77 138.3 71.1 111.1#  
79 219.1 17.1 57.1#



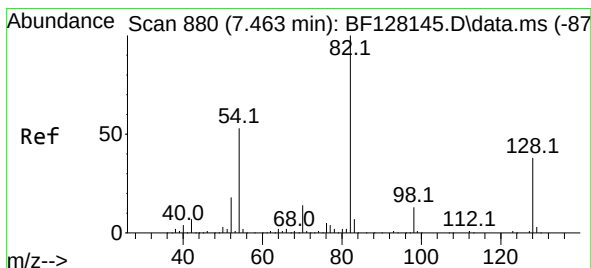
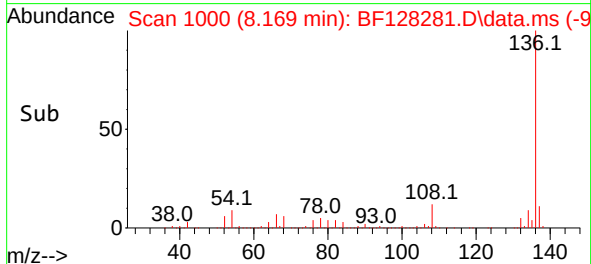
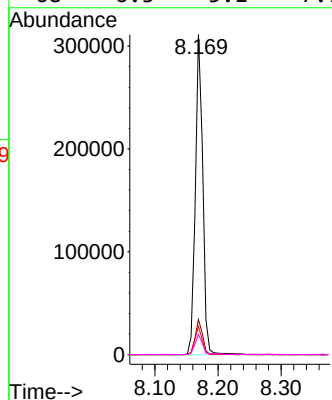
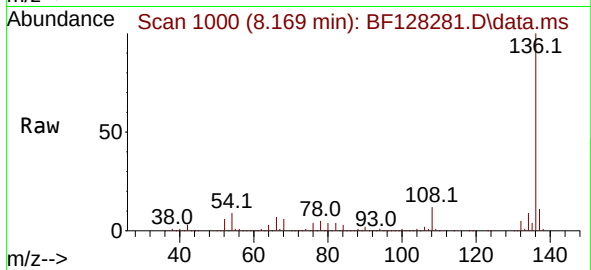


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.169 min Scan# 10  
Delta R.T. -0.006 min  
Lab File: BF128281.D  
Acq: 16 May 2022 21:45

Instrument :  
BNA\_F  
ClientSampleId :  
HR-02-051322

Tgt Ion:136 Resp: 254294

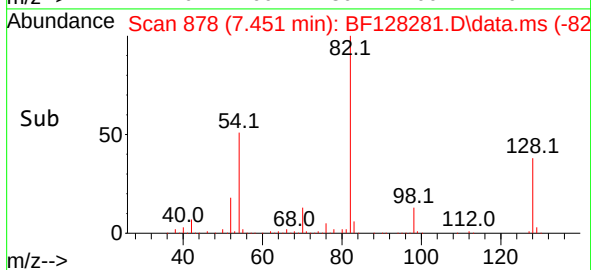
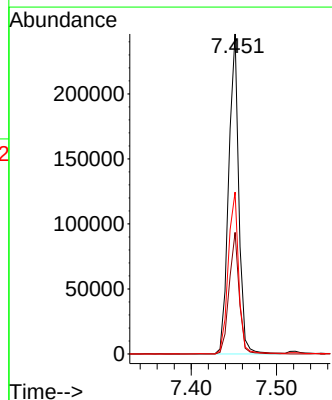
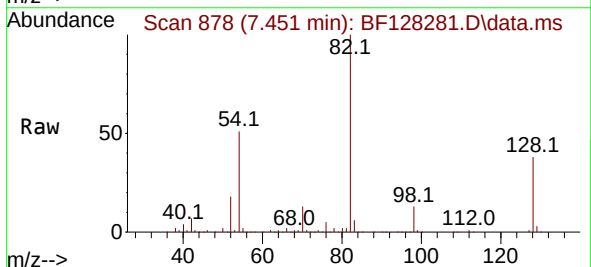
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.0  | 8.6   | 13.0  |
| 54  | 8.9   | 6.8   | 10.2  |
| 68  | 6.3   | 5.1   | 7.7   |

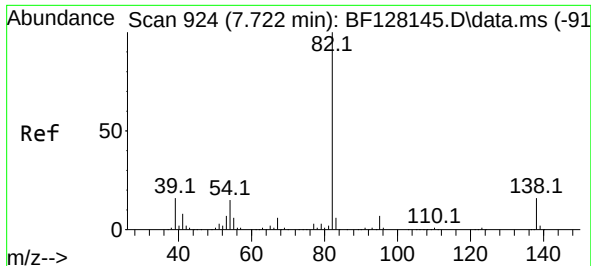


#23  
Nitrobenzene-d5  
Concen: 35.995 ng  
RT: 7.451 min Scan# 878  
Delta R.T. -0.012 min  
Lab File: BF128281.D  
Acq: 16 May 2022 21:45

Tgt Ion: 82 Resp: 203420

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 38.0  | 30.0  | 45.0  |
| 54  | 50.6  | 41.3  | 61.9  |

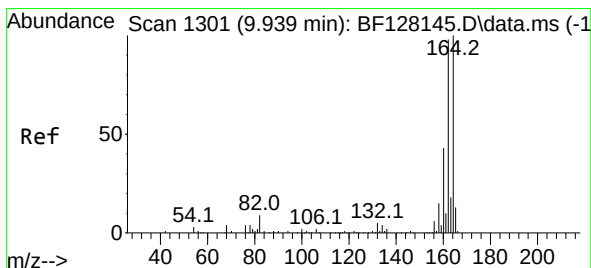
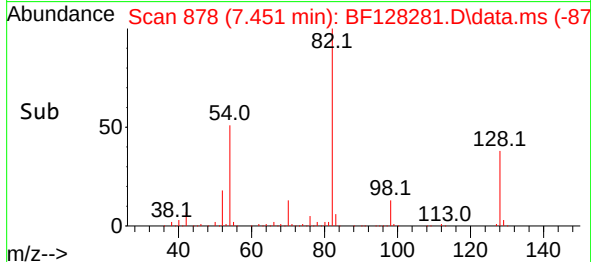
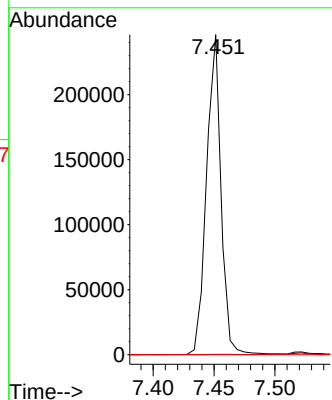
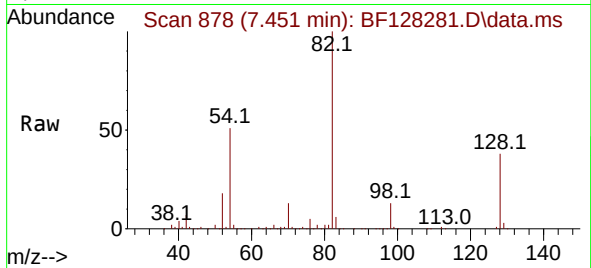




#25  
Isophorone  
Concen: 22.821 ng  
RT: 7.451 min Scan# 81  
Delta R.T. -0.265 min  
Lab File: BF128281.D  
Acq: 16 May 2022 21:45

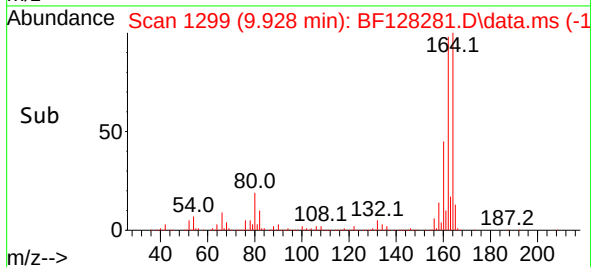
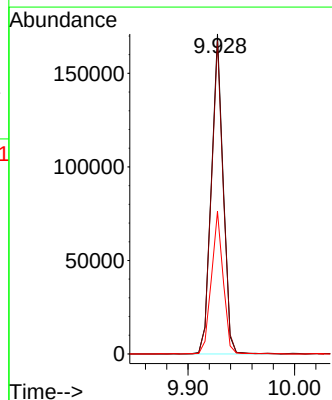
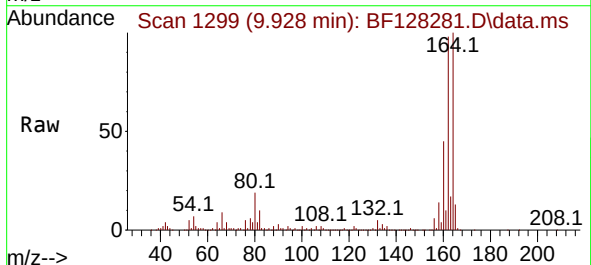
Instrument :  
BNA\_F  
ClientSampleId :  
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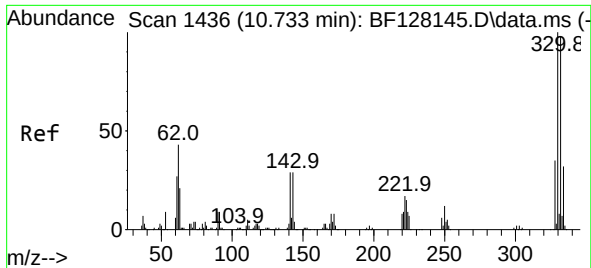
Tgt Ion: 82 Resp: 202197  
Ion Ratio Lower Upper  
82 100  
95 0.1 5.6 8.4#  
138 0.0 12.5 18.7#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.928 min Scan# 1299  
Delta R.T. -0.006 min  
Lab File: BF128281.D  
Acq: 16 May 2022 21:45

Tgt Ion:164 Resp: 132014  
Ion Ratio Lower Upper  
164 100  
162 97.9 76.0 114.0  
160 44.5 34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 49.900 ng

RT: 10.722 min Scan# 1434

Delta R.T. -0.006 min

Lab File: BF128281.D

Acq: 16 May 2022 21:45

Instrument :

BNA\_F

ClientSampleId :

HR-02-051322

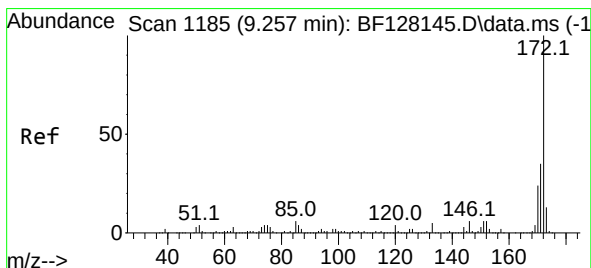
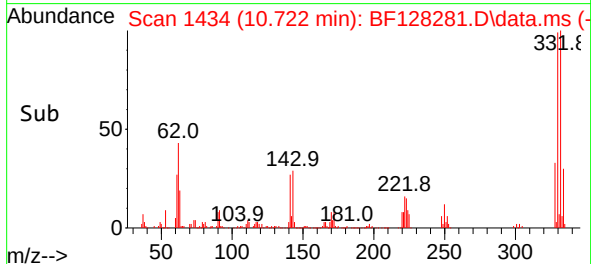
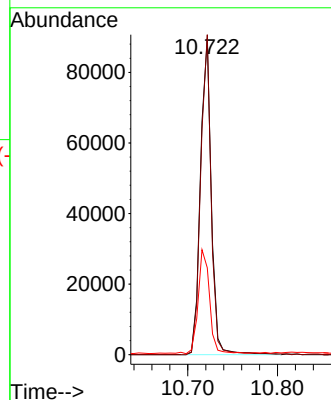
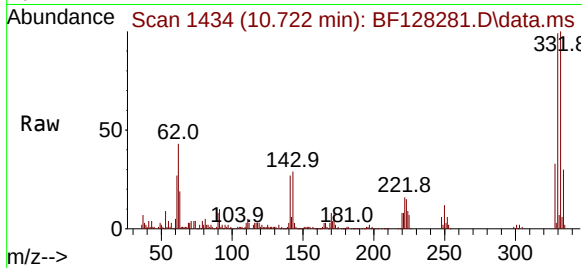
Tgt Ion:330 Resp: 75551

Ion Ratio Lower Upper

330 100

332 97.6 79.0 118.4

141 33.6 28.9 43.3



#45

2-Fluorobiphenyl

Concen: 40.083 ng

RT: 9.245 min Scan# 1183

Delta R.T. -0.006 min

Lab File: BF128281.D

Acq: 16 May 2022 21:45

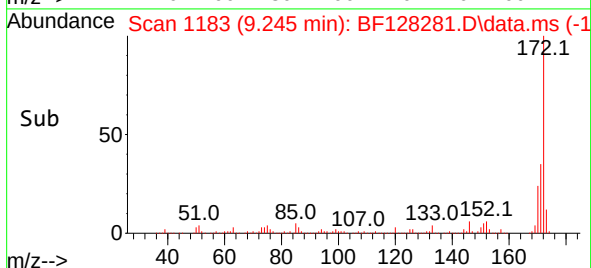
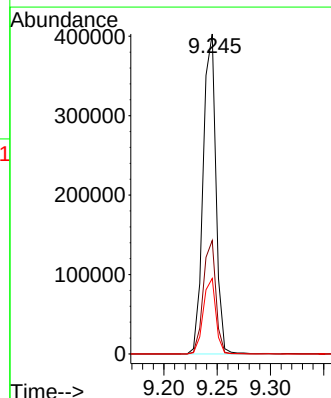
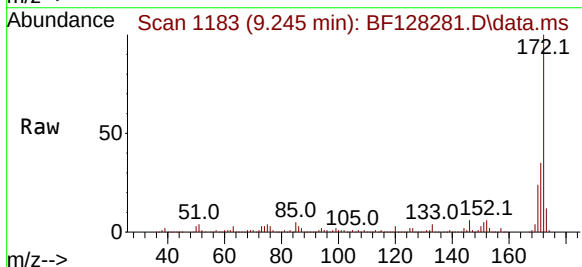
Tgt Ion:172 Resp: 338185

Ion Ratio Lower Upper

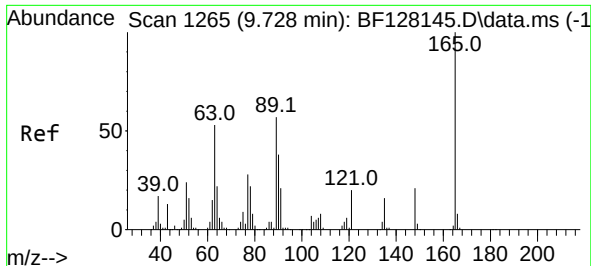
172 100

171 35.4 28.6 42.8

170 23.6 19.1 28.7



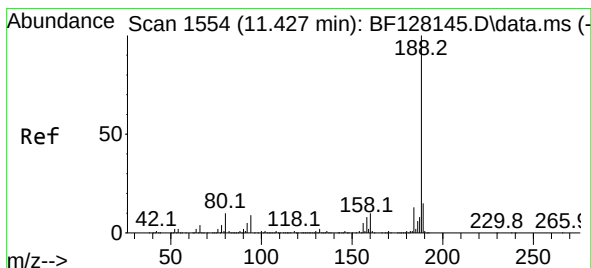
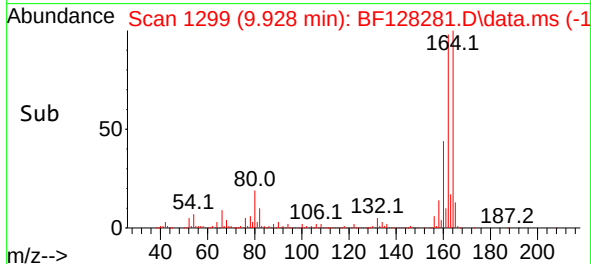
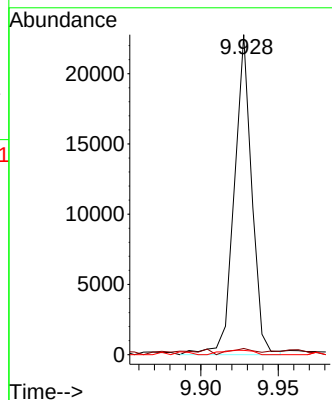
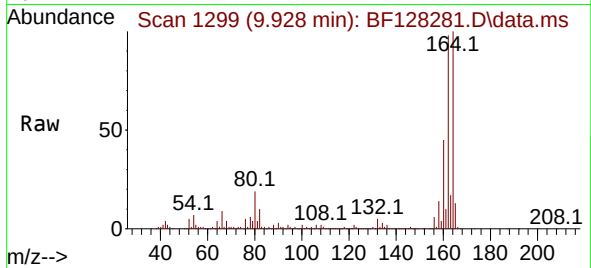




#51  
2,6-Dinitrotoluene  
Concen: 9.603 ng  
RT: 9.928 min Scan# 11  
Delta R.T. 0.206 min  
Lab File: BF128281.D  
Acq: 16 May 2022 21:45

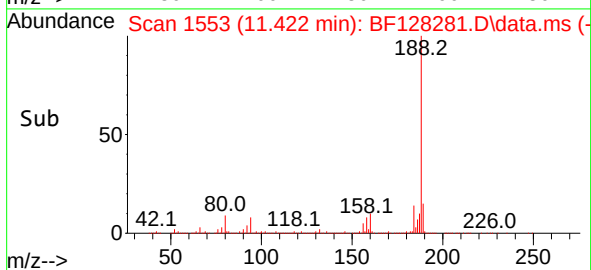
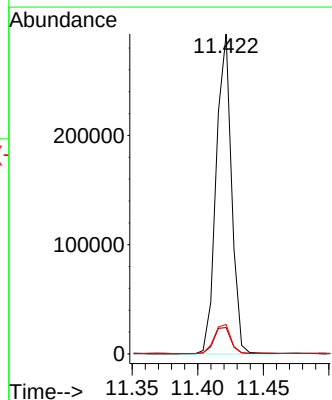
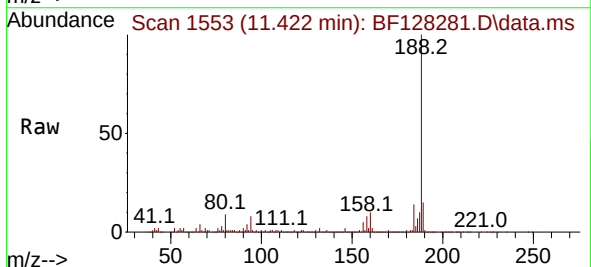
Instrument :  
BNA\_F  
ClientSampleId :  
HR-02-051322

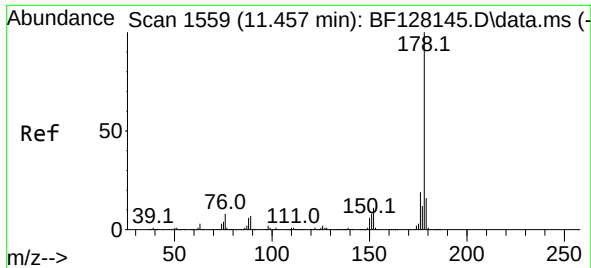
Tgt Ion:165 Resp: 17945  
Ion Ratio Lower Upper  
165 100  
63 2.0 49.5 74.3#  
89 1.4 49.0 73.4#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.422 min Scan# 1553  
Delta R.T. 0.000 min  
Lab File: BF128281.D  
Acq: 16 May 2022 21:45

Tgt Ion:188 Resp: 237845  
Ion Ratio Lower Upper  
188 100  
94 8.3 8.0 12.0  
80 9.2 8.9 13.3

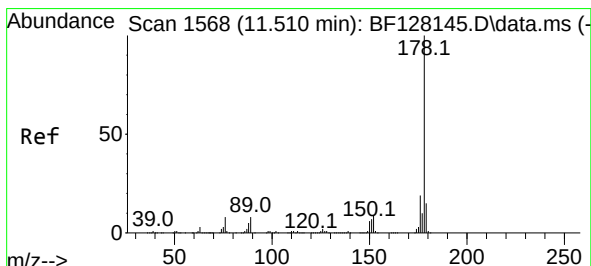
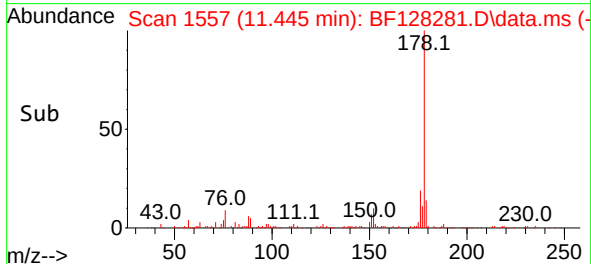
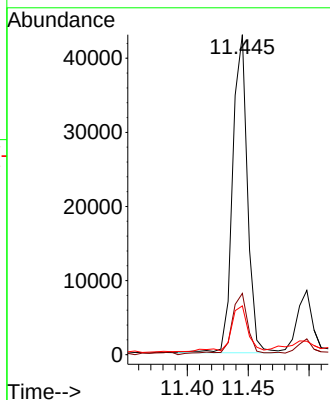
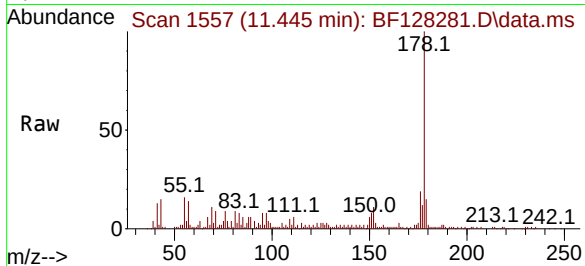




#71  
Phenanthrene  
Concen: 3.063 ng  
RT: 11.445 min Scan# 1557  
Delta R.T. -0.006 min  
Lab File: BF128281.D  
Acq: 16 May 2022 21:45

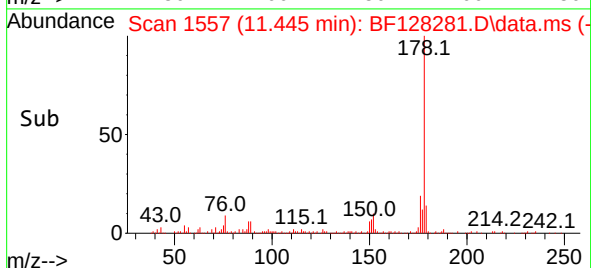
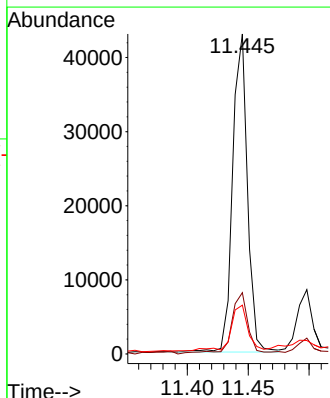
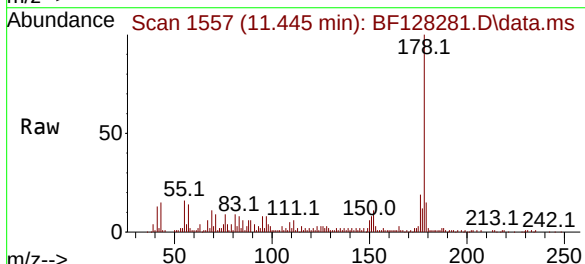
Instrument :  
BNA\_F  
ClientSampleId :  
HR-02-051322

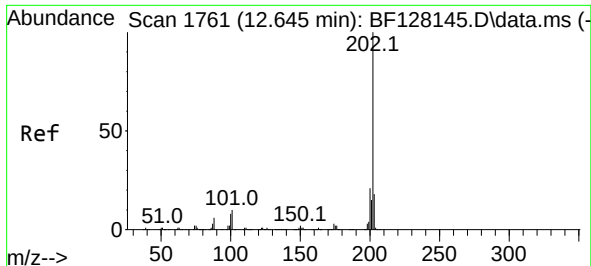
Tgt Ion:178 Resp: 36278  
Ion Ratio Lower Upper  
178 100  
176 19.1 15.7 23.5  
179 15.3 12.6 19.0



#72  
Anthracene  
Concen: 3.068 ng  
RT: 11.445 min Scan# 1557  
Delta R.T. -0.059 min  
Lab File: BF128281.D  
Acq: 16 May 2022 21:45

Tgt Ion:178 Resp: 36278  
Ion Ratio Lower Upper  
178 100  
176 19.1 15.0 22.6  
179 15.3 12.4 18.6

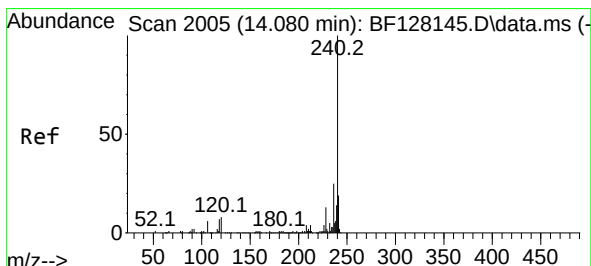
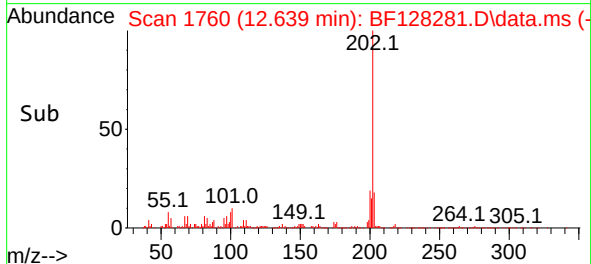
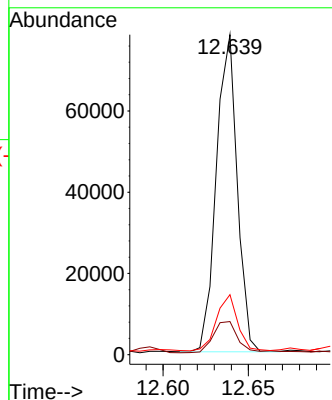
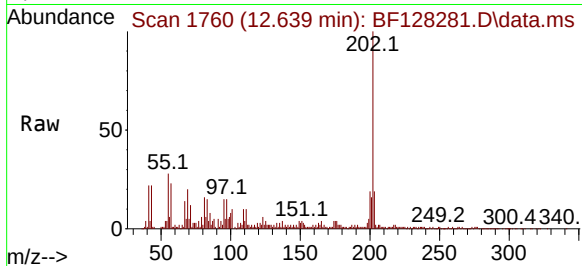




#75  
Fluoranthene  
Concen: 5.188 ng  
RT: 12.639 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: BF128281.D  
Acq: 16 May 2022 21:45

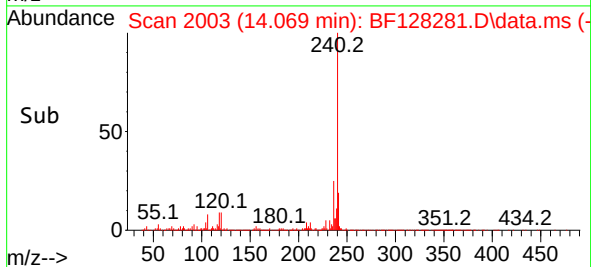
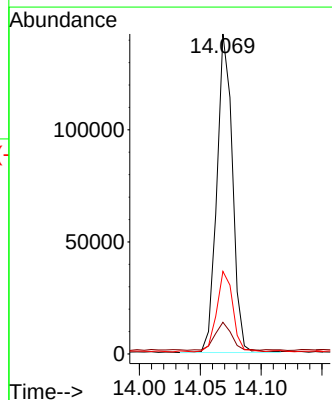
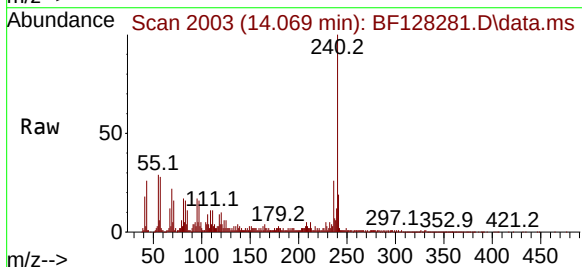
Instrument :  
BNA\_F  
ClientSampleId :  
HR-02-051322

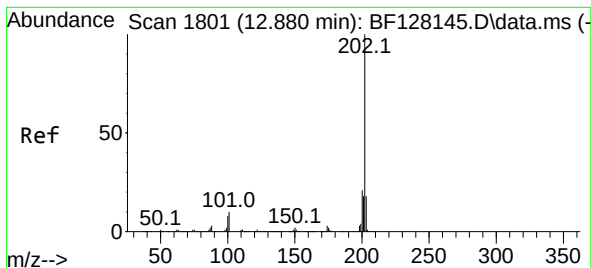
Tgt Ion:202 Resp: 66609  
Ion Ratio Lower Upper  
202 100  
101 10.3 0.0 31.6  
203 18.7 0.0 38.1



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.069 min Scan# 2003  
Delta R.T. 0.000 min  
Lab File: BF128281.D  
Acq: 16 May 2022 21:45

Tgt Ion:240 Resp: 127454  
Ion Ratio Lower Upper  
240 100  
120 9.9 7.0 10.6  
236 25.8 20.3 30.5





#78

Pyrene

Concen: 6.752 ng

RT: 12.869 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF128281.D

Acq: 16 May 2022 21:45

Instrument :

BNA\_F

ClientSampleId :

HR-02-051322

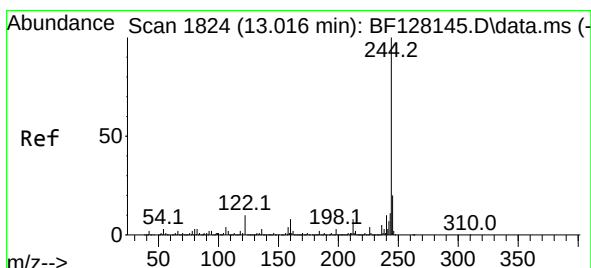
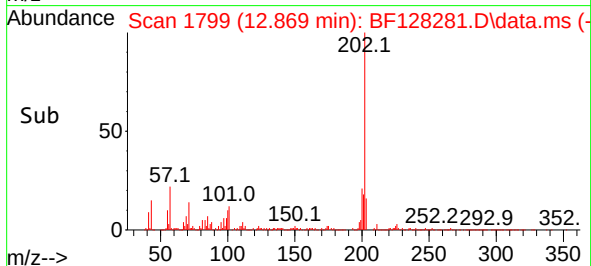
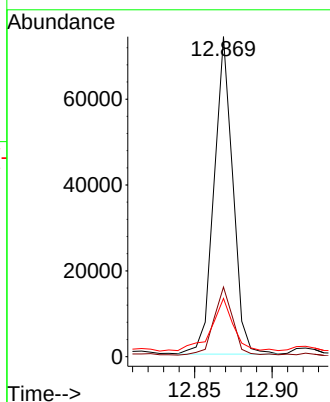
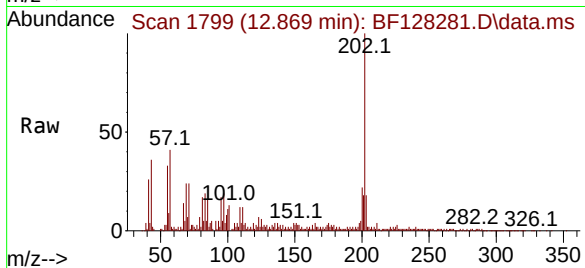
Tgt Ion:202 Resp: 62395

Ion Ratio Lower Upper

202 100

200 21.8 17.4 26.2

203 18.2 14.0 21.0



#79

Terphenyl-d14

Concen: 50.201 ng

RT: 13.004 min Scan# 1822

Delta R.T. -0.006 min

Lab File: BF128281.D

Acq: 16 May 2022 21:45

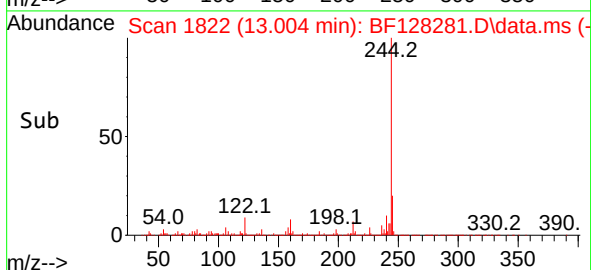
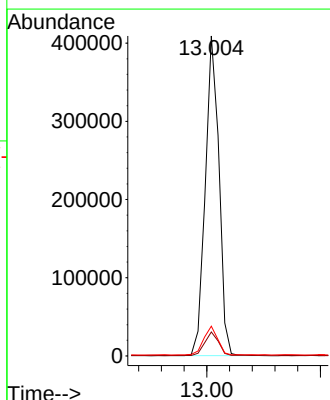
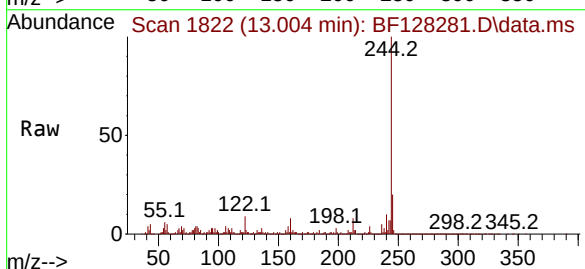
Tgt Ion:244 Resp: 340989

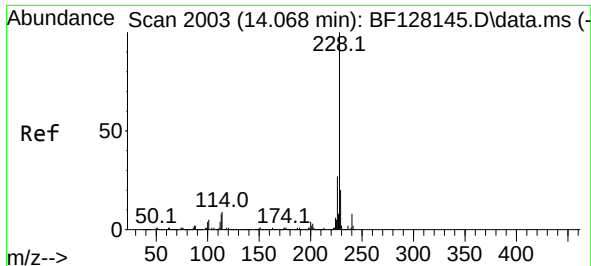
Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.4

122 9.3 8.6 12.8

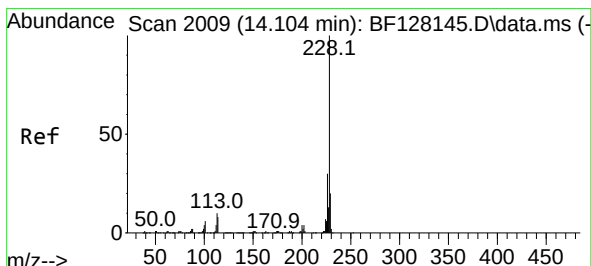
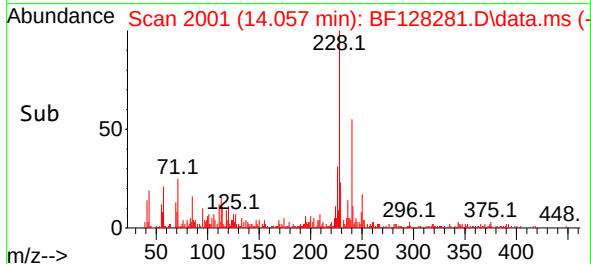
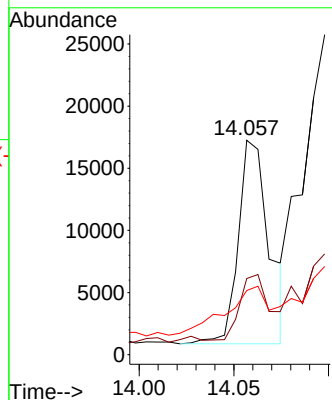
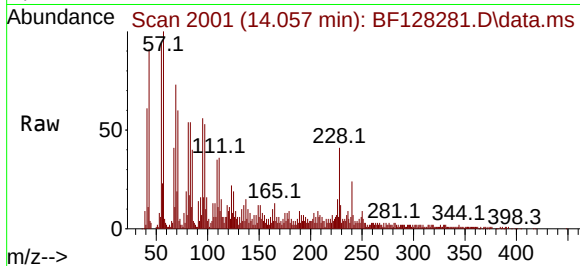




#81  
Benzo(a)anthracene  
Concen: 2.281 ng  
RT: 14.057 min Scan# 2003  
Delta R.T. 0.000 min  
Lab File: BF128281.D  
Acq: 16 May 2022 21:45

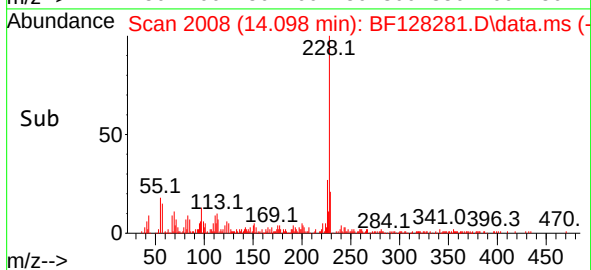
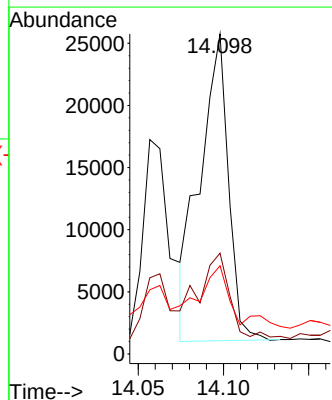
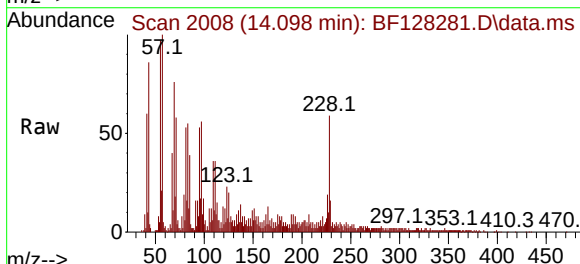
Instrument :  
BNA\_F  
ClientSampleId :  
HR-02-051322

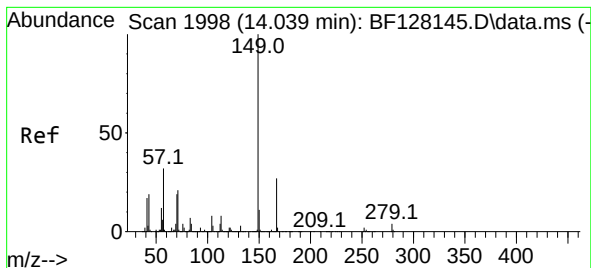
Tgt Ion:228 Resp: 18566  
Ion Ratio Lower Upper  
228 100  
226 35.5 21.7 32.5#  
229 29.9 15.4 23.2#



#83  
Chrysene  
Concen: 3.691 ng  
RT: 14.098 min Scan# 2008  
Delta R.T. 0.000 min  
Lab File: BF128281.D  
Acq: 16 May 2022 21:45

Tgt Ion:228 Resp: 28671  
Ion Ratio Lower Upper  
228 100  
226 31.5 24.4 36.6  
229 27.6 15.8 23.8#

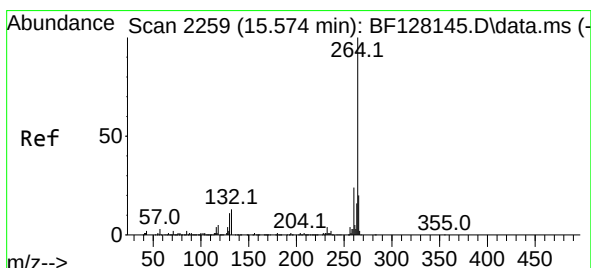
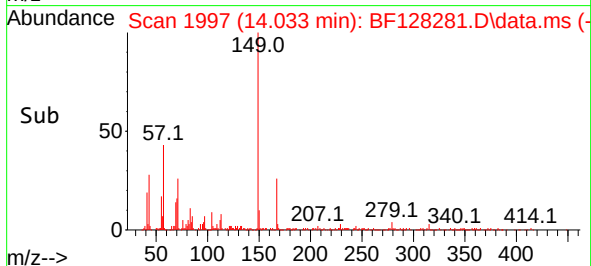
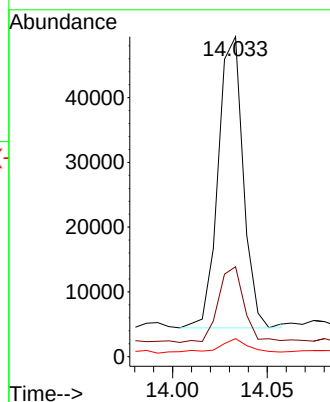
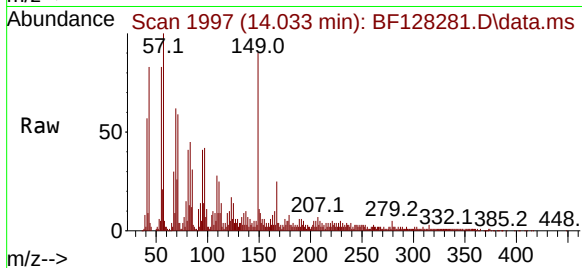




#84  
Bis(2-ethylhexyl)phthalate  
Concen: 8.011 ng  
RT: 14.033 min Scan# 1998  
Delta R.T. 0.006 min  
Lab File: BF128281.D  
Acq: 16 May 2022 21:45

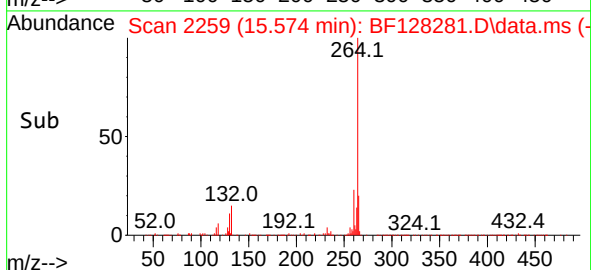
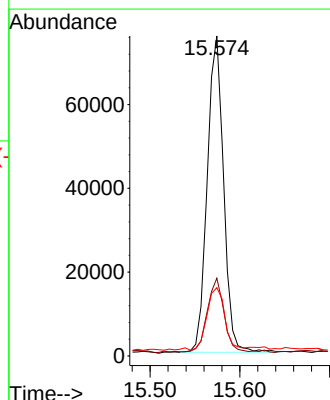
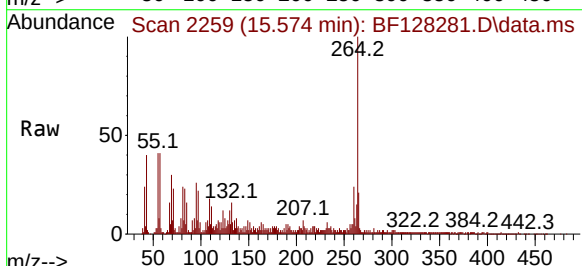
Instrument :  
BNA\_F  
ClientSampleId :  
HR-02-051322

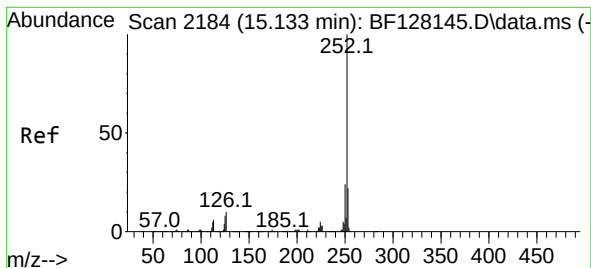
Tgt Ion:149 Resp: 41586  
Ion Ratio Lower Upper  
149 100  
167 28.1 22.0 33.0  
279 5.6 3.4 5.0#



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.574 min Scan# 2259  
Delta R.T. 0.012 min  
Lab File: BF128281.D  
Acq: 16 May 2022 21:45

Tgt Ion:264 Resp: 95507  
Ion Ratio Lower Upper  
264 100  
260 24.3 20.1 30.1  
265 21.4 17.5 26.3





#88

Benzo(b)fluoranthene

Concen: 5.986 ng

RT: 15.127 min Scan# 2183

Delta R.T. 0.006 min

Lab File: BF128281.D

Acq: 16 May 2022 21:45

Instrument :

BNA\_F

ClientSampleId :

HR-02-051322

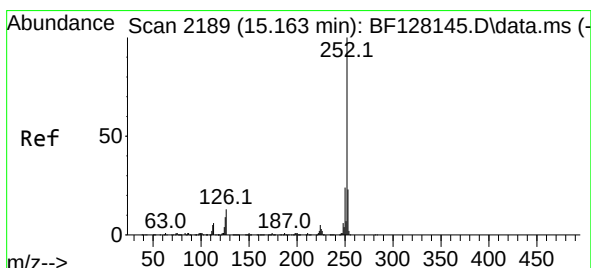
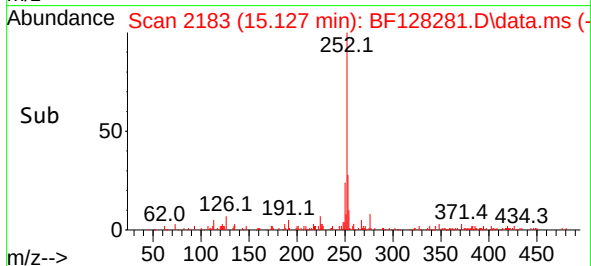
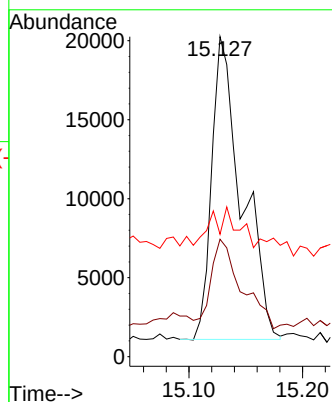
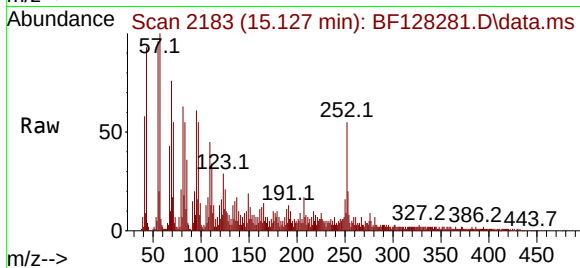
Tgt Ion:252 Resp: 35441

Ion Ratio Lower Upper

252 100

253 36.7 17.4 26.2#

125 38.2 7.4 11.2#



#89

Benzo(k)fluoranthene

Concen: 6.064 ng

RT: 15.127 min Scan# 2183

Delta R.T. -0.023 min

Lab File: BF128281.D

Acq: 16 May 2022 21:45

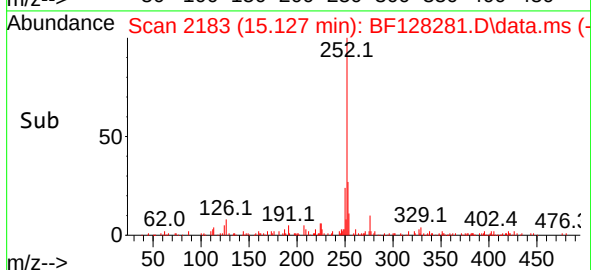
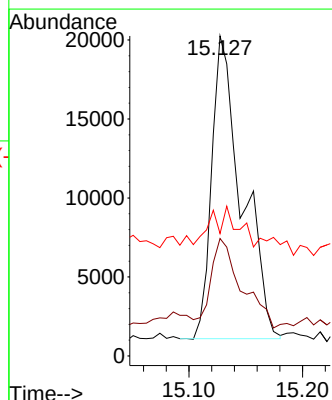
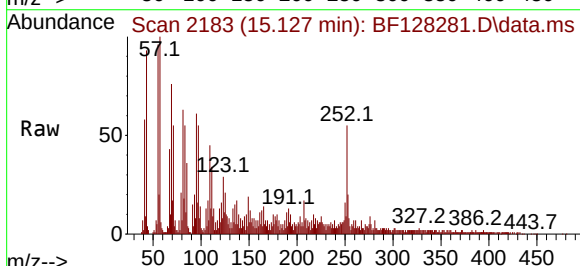
Tgt Ion:252 Resp: 35441

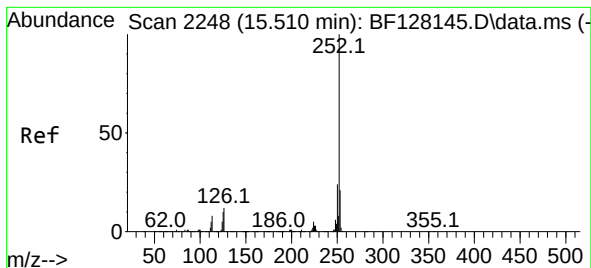
Ion Ratio Lower Upper

252 100

253 36.7 17.0 25.4#

125 38.2 6.8 10.2#





#90

Benzo(a)pyrene

Concen: 2.805 ng

RT: 15.510 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF128281.D

Acq: 16 May 2022 21:45

Instrument :

BNA\_F

ClientSampleId :

HR-02-051322

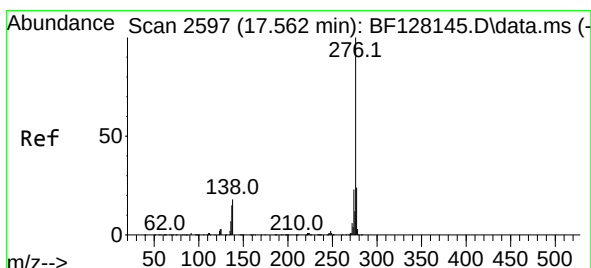
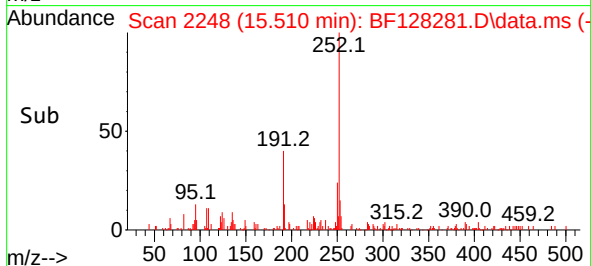
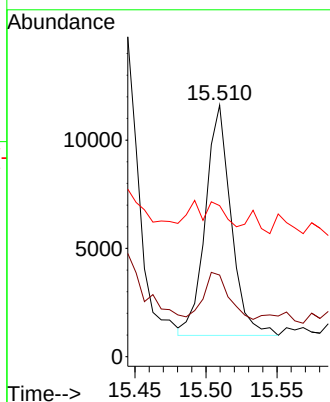
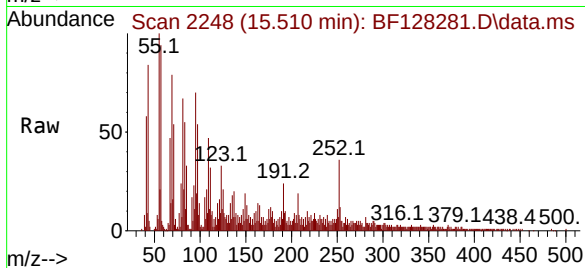
Tgt Ion:252 Resp: 13407

Ion Ratio Lower Upper

252 100

253 32.4 17.8 26.6#

125 60.1 9.2 13.8#



#92

Benzo(g,h,i)perylene

Concen: 3.163 ng

RT: 17.562 min Scan# 2597

Delta R.T. 0.012 min

Lab File: BF128281.D

Acq: 16 May 2022 21:45

Tgt Ion:276 Resp: 14979

Ion Ratio Lower Upper

276 100

277 33.8 18.8 28.2#

138 28.5 16.2 24.2#

