

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF060322\  
 Data File : BF128683.D  
 Acq On : 03 Jun 2022 17:09  
 Operator : CG\JU  
 Sample : N3113-01  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 357

Quant Time: Jun 03 23:42:24 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF060222.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jun 02 17:07:23 2022  
 Response via : Initial Calibration

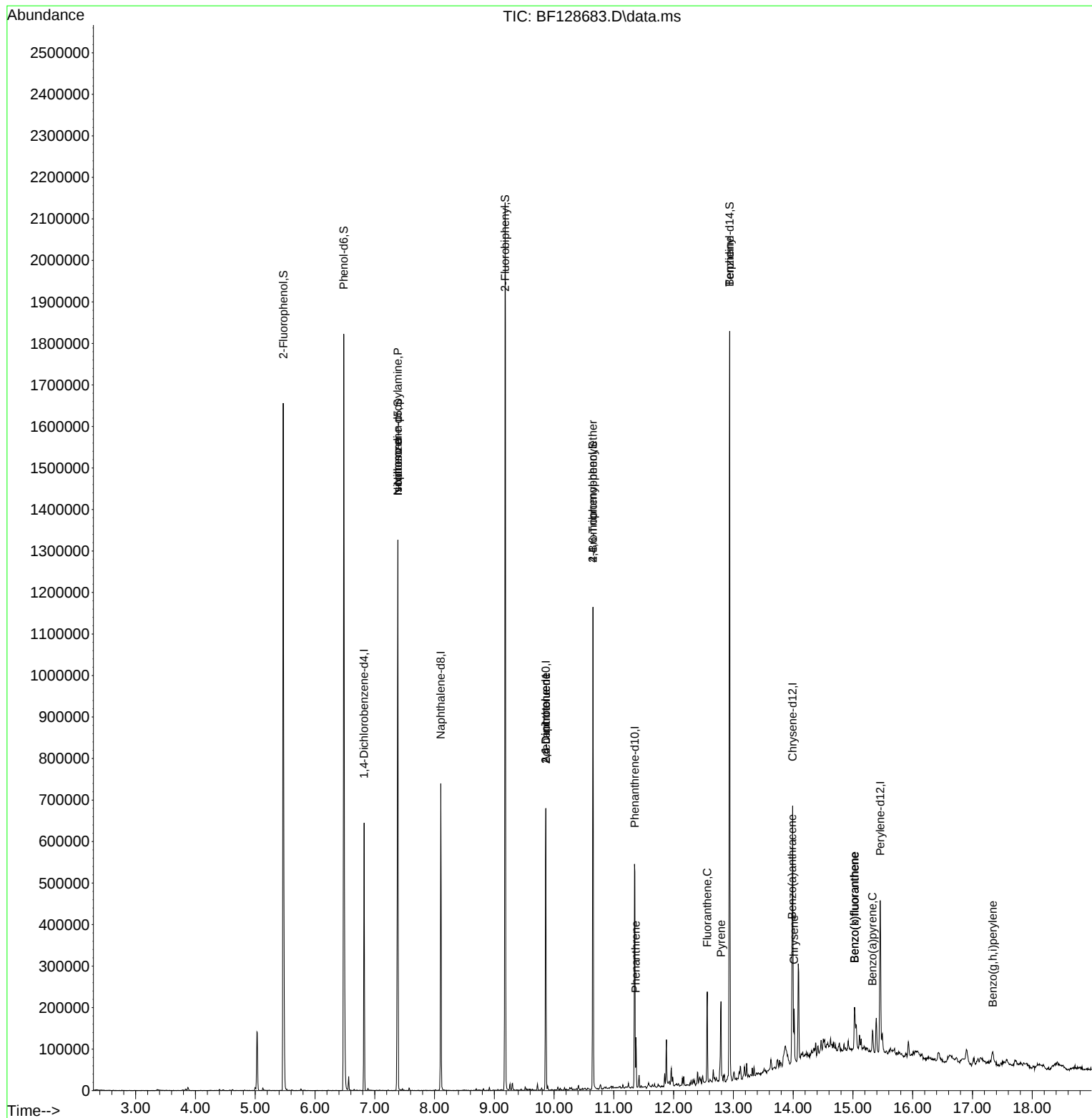
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.822  | 152  | 74394    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.104  | 136  | 267537   | 20.000 | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.863  | 164  | 127221   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.351 | 188  | 196414   | 20.000 | ng    | # 0.00   |
| 76) Chrysene-d12              | 13.992 | 240  | 183427   | 20.000 | ng    | # 0.00   |
| 86) Perylene-d12              | 15.457 | 264  | 161218   | 20.000 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.469  | 112  | 398197   | 85.257 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.481  | 99   | 503222   | 88.266 | ng    | -0.02    |
| 23) Nitrobenzene-d5           | 7.386  | 82   | 368587   | 64.144 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.651 | 330  | 110298   | 73.376 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.181  | 172  | 622135   | 68.502 | ng    | -0.01    |
| 79) Terphenyl-d14             | 12.939 | 244  | 560138   | 53.063 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.386  | 70   | 52929    | 14.932 | ng    | # 84     |
| 25) Isophorone                | 7.386  | 82   | 368435   | 42.216 | ng    | # 65     |
| 51) 2,6-Dinitrotoluene        | 9.863  | 165  | 16509    | 9.605  | ng    | # 26     |
| 57) 2,4-Dinitrotoluene        | 9.863  | 165  | 16509    | 7.198  | ng    | # 21     |
| 67) 4-Bromophenyl-phenylether | 10.651 | 248  | 7807     | 3.564  | ng    | # 1      |
| 71) Phenanthrene              | 11.369 | 178  | 39520    | 4.011  | ng    | 99       |
| 75) Fluoranthene              | 12.563 | 202  | 80967    | 7.862  | ng    | 94       |
| 77) Benzidine                 | 12.939 | 184  | 9846     | 2.693  | ng    | # 94     |
| 78) Pyrene                    | 12.792 | 202  | 77353    | 5.668  | ng    | 98       |
| 81) Benzo(a)anthracene        | 13.980 | 228  | 49472    | 4.327  | ng    | 93       |
| 83) Chrysene                  | 14.015 | 228  | 46222    | 4.240  | ng    | 96       |
| 88) Benzo(b)fluoranthene      | 15.027 | 252  | 72573    | 7.045  | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 15.027 | 252  | 72573    | 7.489  | ng    | 98       |
| 90) Benzo(a)pyrene            | 15.327 | 252  | 26099    | 3.223  | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 17.339 | 276  | 20362    | 2.549  | ng    | # 91     |
| -----                         |        |      |          |        |       |          |

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

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Sample : N3113-01  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
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357

Quant Time: Jun 03 23:42:24 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF060222.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Jun 02 17:07:23 2022  
Response via : Initial Calibration

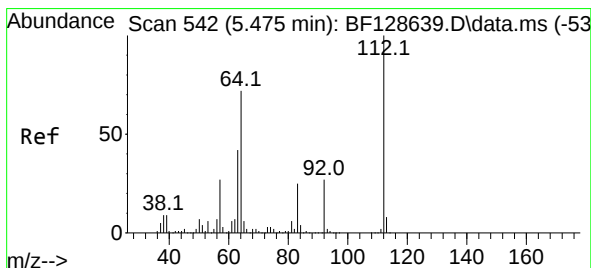
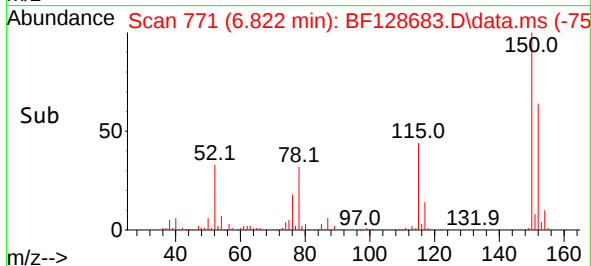
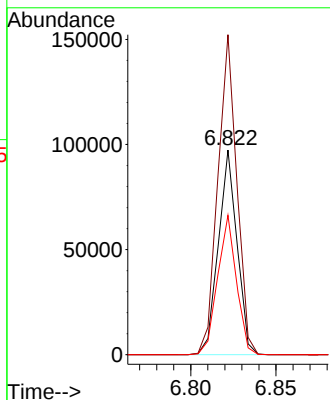
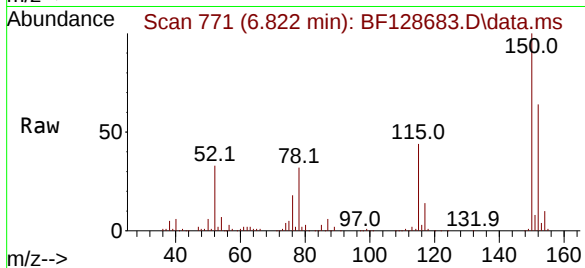




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.822 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF128683.D  
Acq: 03 Jun 2022 17:09

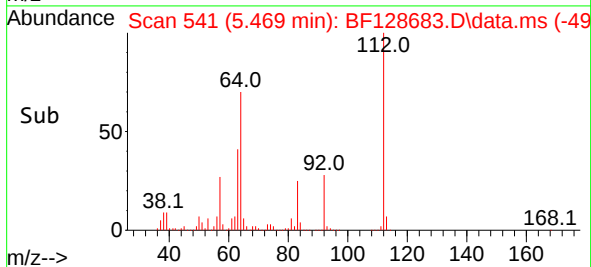
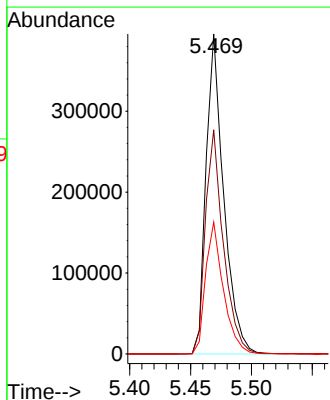
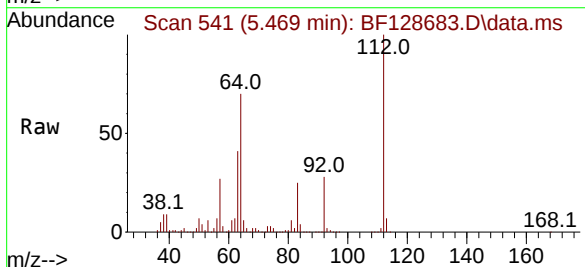
Instrument :  
BNA\_F  
ClientSampleId :  
357

Tgt Ion:152 Resp: 74394  
Ion Ratio Lower Upper  
152 100  
150 156.3 123.7 185.5  
115 68.1 49.9 74.9



#5  
2-Fluorophenol  
Concen: 85.257 ng  
RT: 5.469 min Scan# 541  
Delta R.T. -0.006 min  
Lab File: BF128683.D  
Acq: 03 Jun 2022 17:09

Tgt Ion:112 Resp: 398197  
Ion Ratio Lower Upper  
112 100  
64 70.0 53.3 79.9  
63 41.2 28.0 42.0

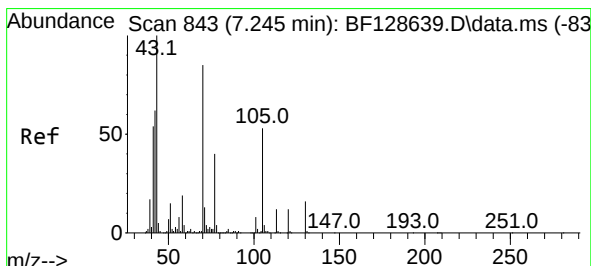
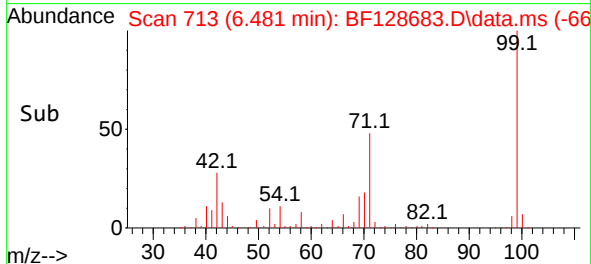
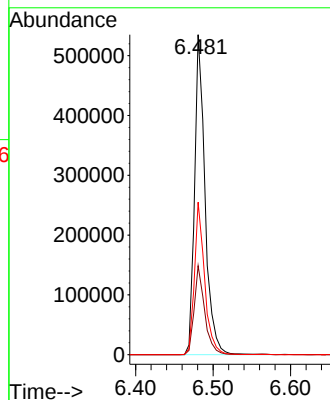
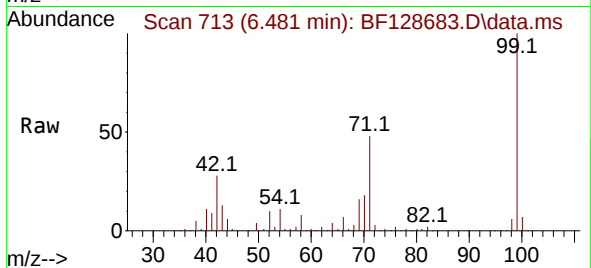




#7  
Phenol-d6  
Concen: 88.266 ng  
RT: 6.481 min Scan# 716  
Delta R.T. -0.017 min  
Lab File: BF128683.D  
Acq: 03 Jun 2022 17:09

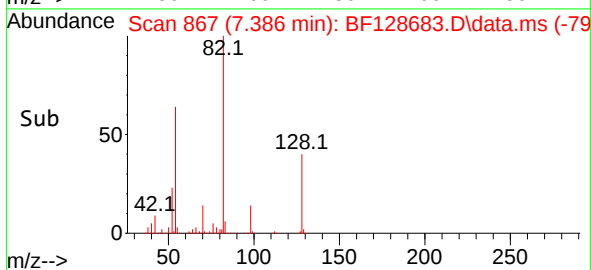
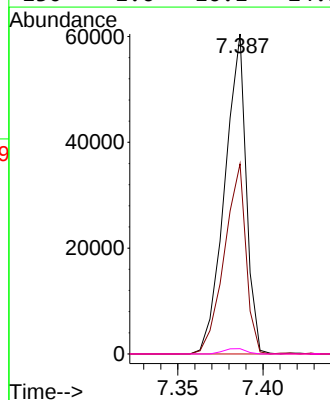
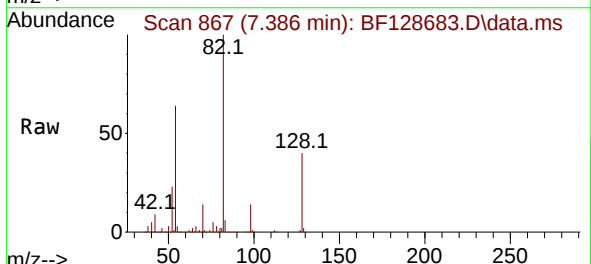
Instrument :  
BNA\_F  
ClientSampleId :  
357

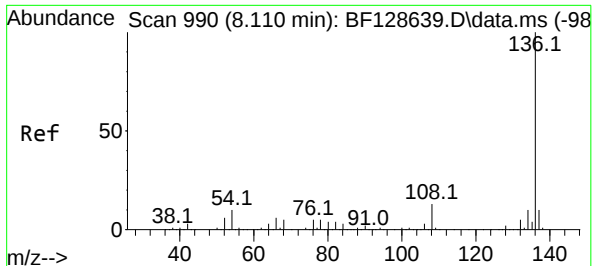
Tgt Ion: 99 Resp: 503222  
Ion Ratio Lower Upper  
99 100  
42 27.8 17.3 25.9#  
71 47.6 28.9 43.3#



#19  
n-Nitroso-di-n-propylamine  
Concen: 14.932 ng  
RT: 7.386 min Scan# 867  
Delta R.T. 0.141 min  
Lab File: BF128683.D  
Acq: 03 Jun 2022 17:09

Tgt Ion: 70 Resp: 52929  
Ion Ratio Lower Upper  
70 100  
42 59.4 52.3 78.5  
101 0.0 7.5 11.3#  
130 1.6 16.1 24.1#

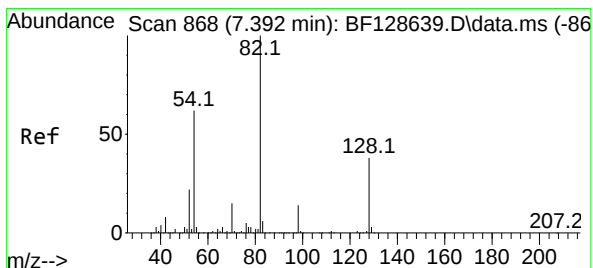
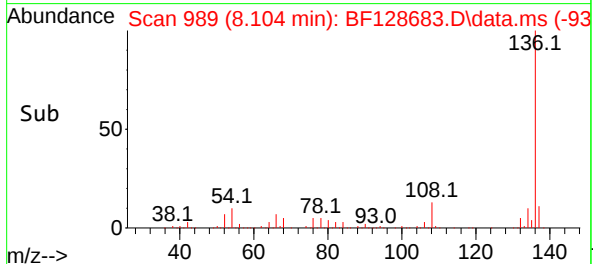
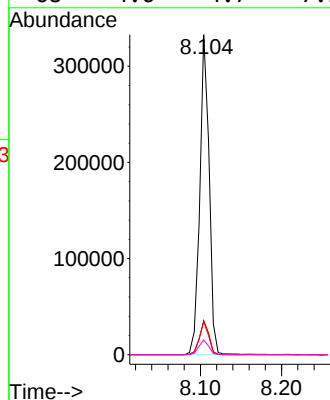
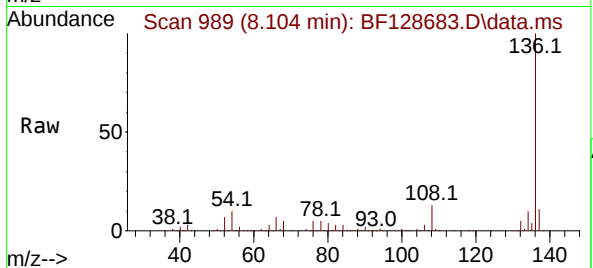




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.104 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BF128683.D  
Acq: 03 Jun 2022 17:09

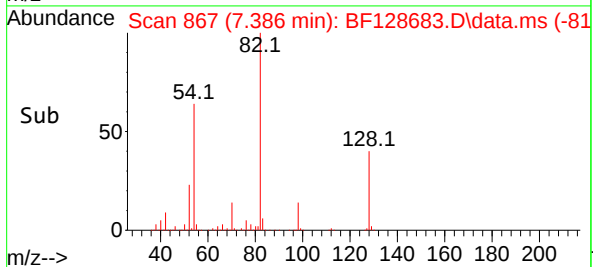
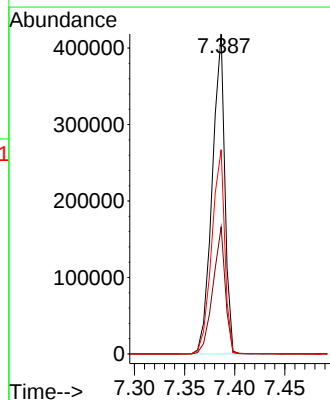
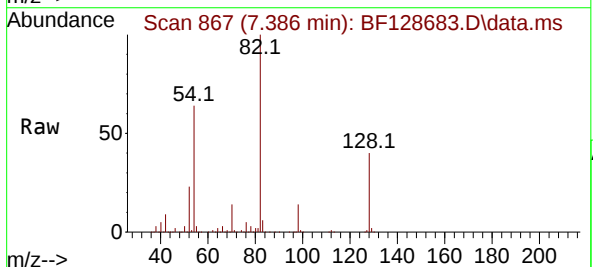
Instrument :  
BNA\_F  
ClientSampleId :  
357

|             |              |
|-------------|--------------|
| Tgt Ion:136 | Resp: 267537 |
| Ion Ratio   | Lower Upper  |
| 136 100     |              |
| 137 10.6    | 8.8 13.2     |
| 54 10.3     | 7.5 11.3     |
| 68 4.6      | 4.7 7.1#     |



#23  
Nitrobenzene-d5  
Concen: 64.144 ng  
RT: 7.386 min Scan# 867  
Delta R.T. -0.006 min  
Lab File: BF128683.D  
Acq: 03 Jun 2022 17:09

|             |              |
|-------------|--------------|
| Tgt Ion: 82 | Resp: 368587 |
| Ion Ratio   | Lower Upper  |
| 82 100      |              |
| 128 39.7    | 34.0 51.0    |
| 54 63.8     | 46.9 70.3    |

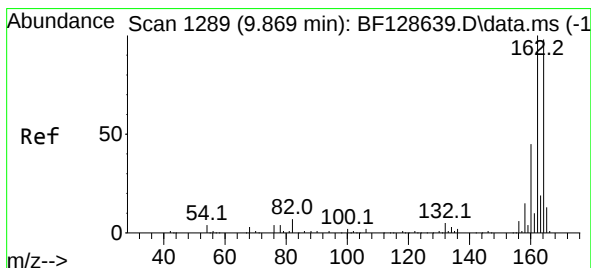
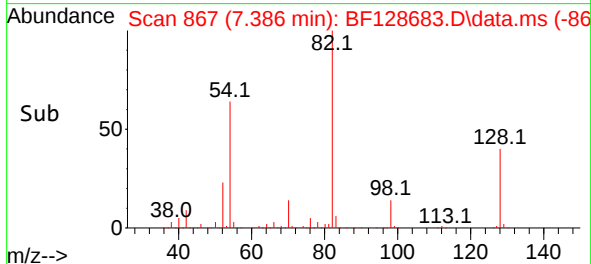
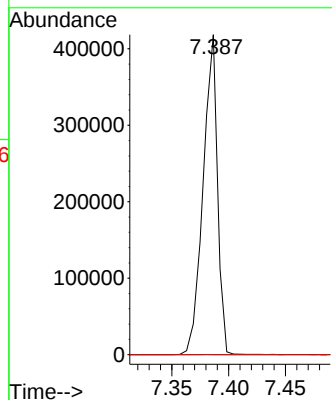
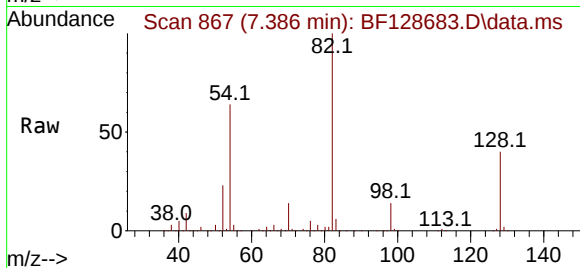




#25  
Isophorone  
Concen: 42.216 ng  
RT: 7.386 min Scan# 80  
Delta R.T. -0.265 min  
Lab File: BF128683.D  
Acq: 03 Jun 2022 17:09

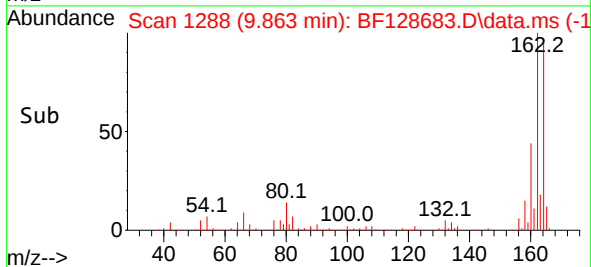
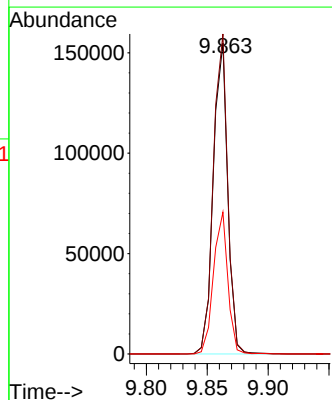
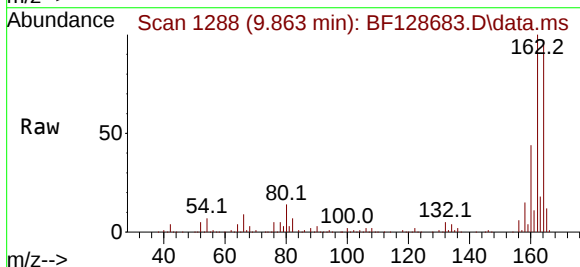
Instrument :  
BNA\_F  
ClientSampleId :  
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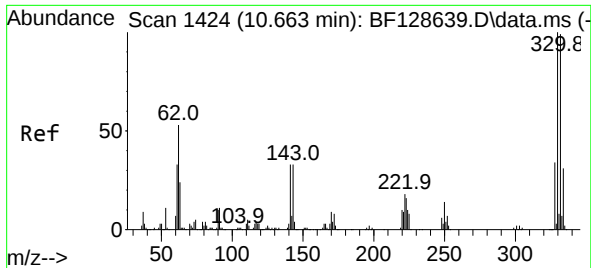
Tgt Ion: 82 Resp: 368435  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.7 8.5#  
138 0.0 14.2 21.2#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.863 min Scan# 1288  
Delta R.T. -0.006 min  
Lab File: BF128683.D  
Acq: 03 Jun 2022 17:09

Tgt Ion:164 Resp: 127221  
Ion Ratio Lower Upper  
164 100  
162 102.9 79.5 119.3  
160 45.6 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 73.376 ng

RT: 10.651 min Scan# 1422

Delta R.T. -0.012 min

Lab File: BF128683.D

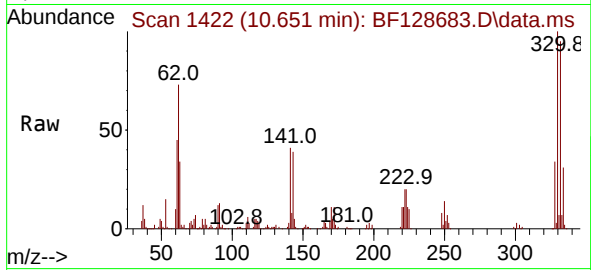
Acq: 03 Jun 2022 17:09

Instrument :

BNA\_F

ClientSampleId :

357



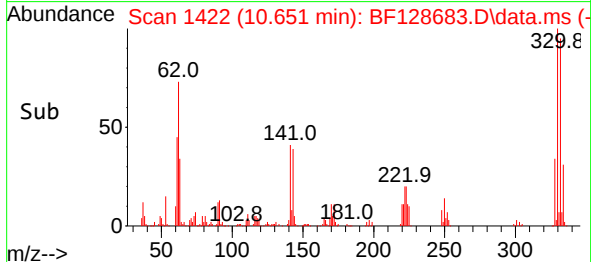
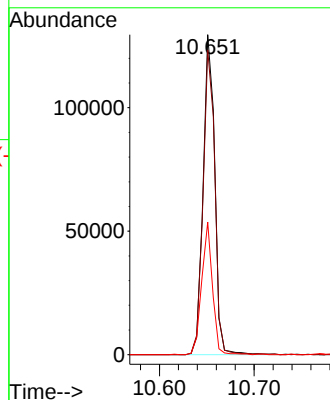
Tgt Ion:330 Resp: 110298

Ion Ratio Lower Upper

330 100

332 96.9 76.8 115.2

141 38.5 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 68.502 ng

RT: 9.181 min Scan# 1172

Delta R.T. -0.011 min

Lab File: BF128683.D

Acq: 03 Jun 2022 17:09

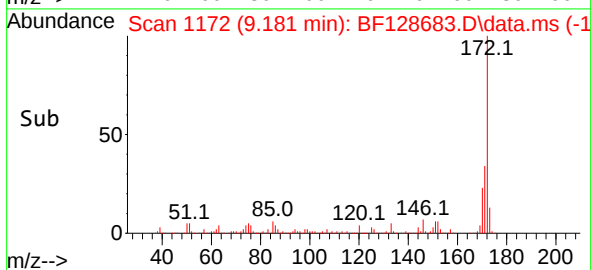
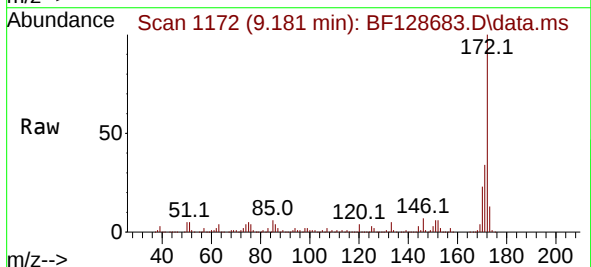
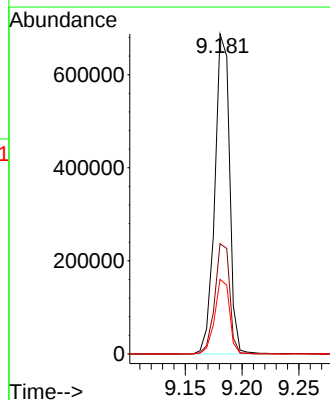
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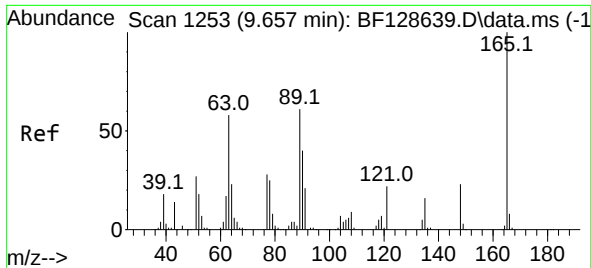
Ion Ratio Lower Upper

172 100

171 34.5 28.8 43.2

170 23.3 19.8 29.8

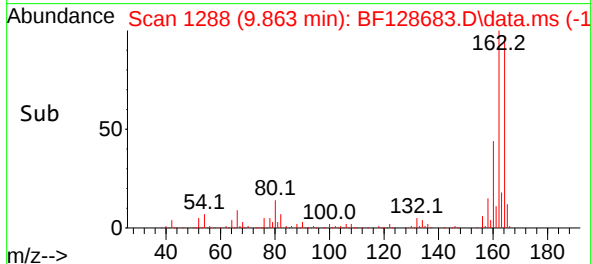
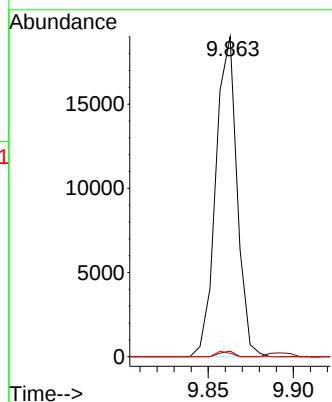
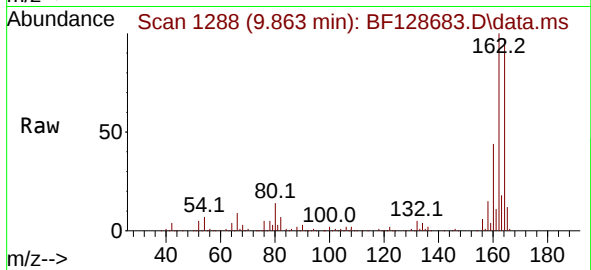




#51  
2,6-Dinitrotoluene  
Concen: 9.605 ng  
RT: 9.863 min Scan# 1288  
Delta R.T. 0.206 min  
Lab File: BF128683.D  
Acq: 03 Jun 2022 17:09

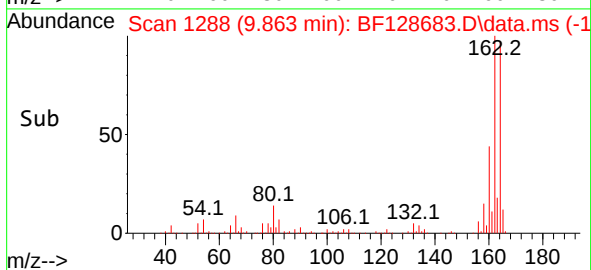
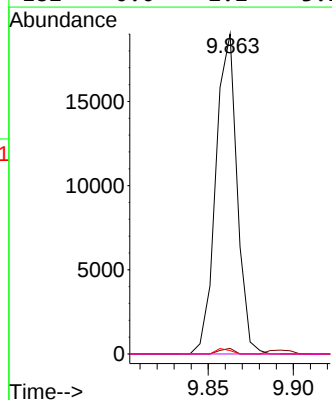
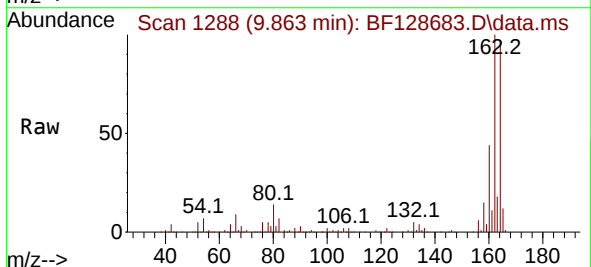
Instrument :  
BNA\_F  
ClientSampleId :  
357

Tgt Ion:165 Resp: 16509  
Ion Ratio Lower Upper  
165 100  
63 1.7 44.9 67.3#  
89 1.0 43.6 65.4#



#57  
2,4-Dinitrotoluene  
Concen: 7.198 ng  
RT: 9.863 min Scan# 1288  
Delta R.T. -0.194 min  
Lab File: BF128683.D  
Acq: 03 Jun 2022 17:09

Tgt Ion:165 Resp: 16509  
Ion Ratio Lower Upper  
165 100  
63 1.7 39.8 59.6#  
89 1.0 60.2 90.2#  
182 0.0 2.2 3.2#

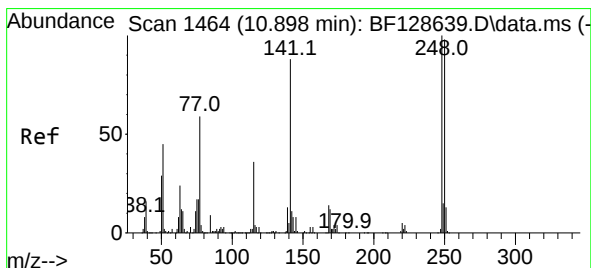
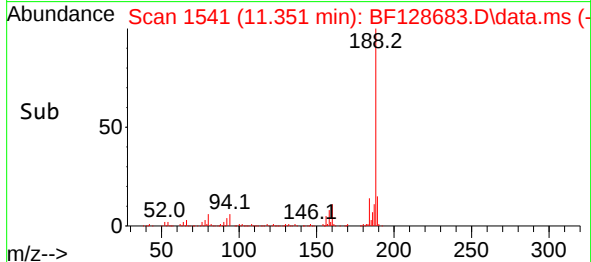
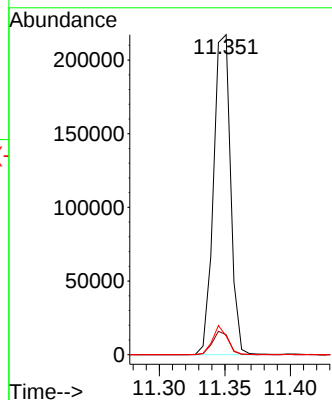
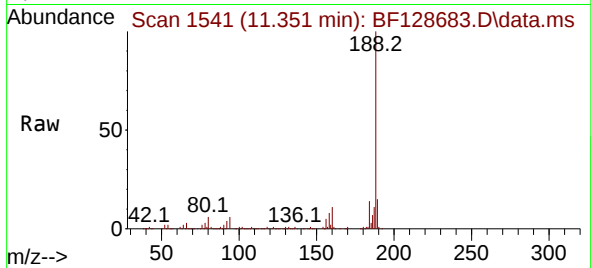




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.351 min Scan# 11351  
Delta R.T. -0.006 min  
Lab File: BF128683.D  
Acq: 03 Jun 2022 17:09

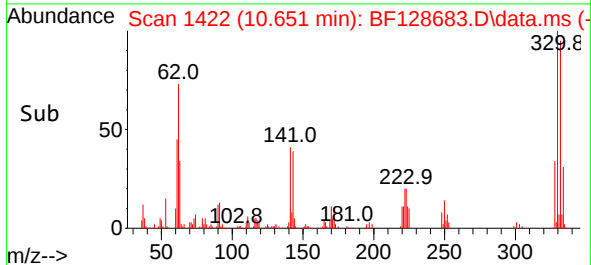
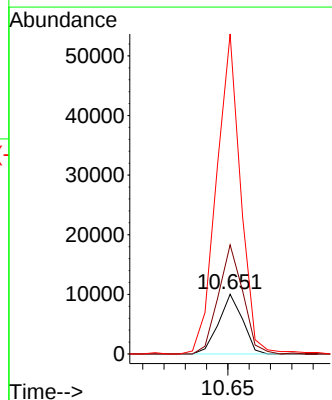
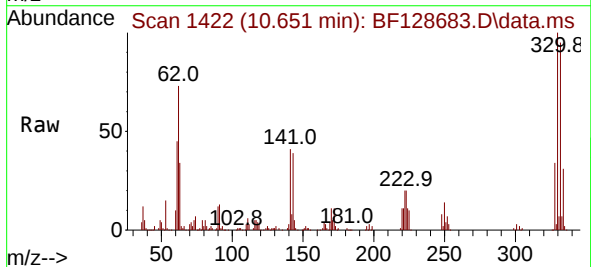
Instrument :  
BNA\_F  
ClientSampleId :  
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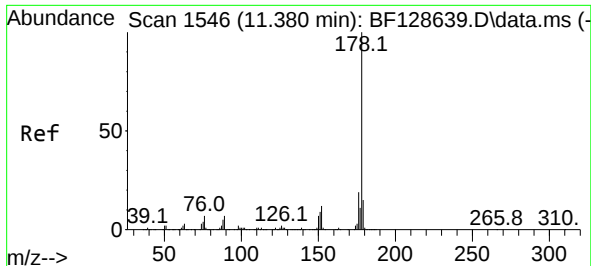
Tgt Ion:188 Resp: 196414  
Ion Ratio Lower Upper  
188 100  
94 6.3 7.0 10.6#  
80 5.9 7.6 11.4#



#67  
4-Bromophenyl-phenylether  
Concen: 3.564 ng  
RT: 10.651 min Scan# 1422  
Delta R.T. -0.247 min  
Lab File: BF128683.D  
Acq: 03 Jun 2022 17:09

Tgt Ion:248 Resp: 7807  
Ion Ratio Lower Upper  
248 100  
250 182.6 80.6 120.8#  
141 535.7 58.9 88.3#

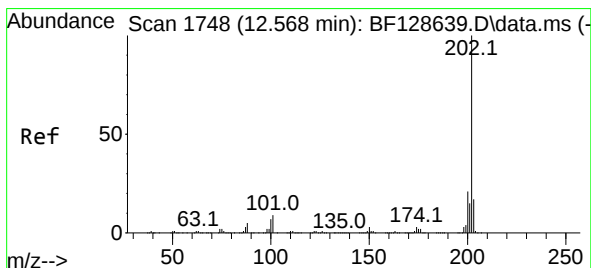
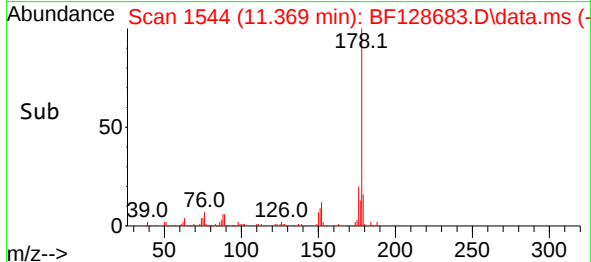
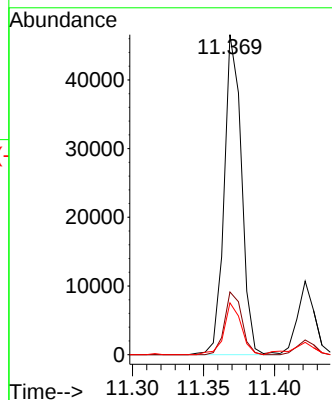
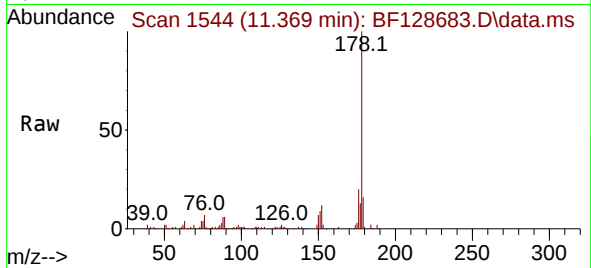




#71  
Phenanthrene  
Concen: 4.011 ng  
RT: 11.369 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF128683.D  
Acq: 03 Jun 2022 17:09

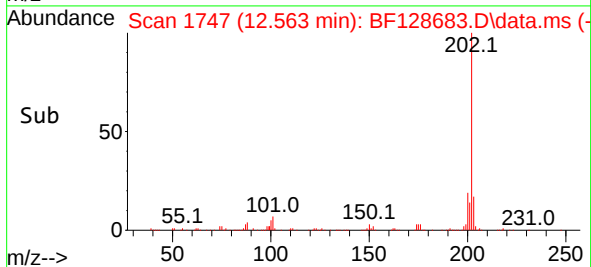
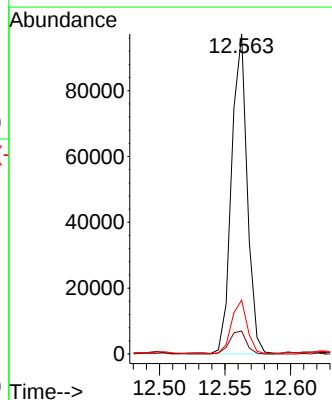
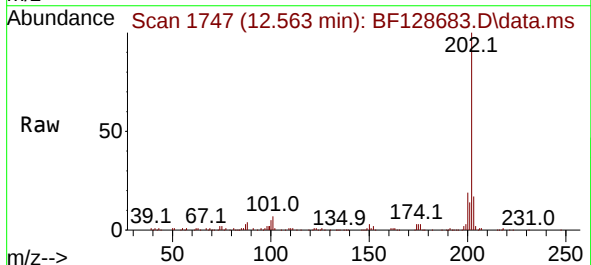
Instrument :  
BNA\_F  
ClientSampleId :  
357

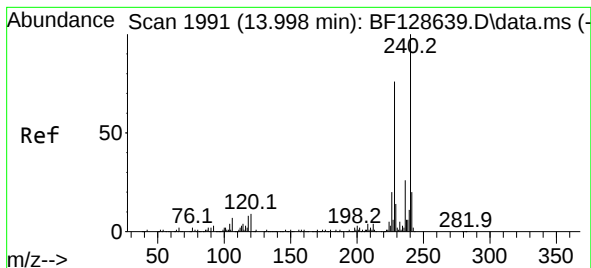
Tgt Ion:178 Resp: 39520  
Ion Ratio Lower Upper  
178 100  
176 19.6 16.0 24.0  
179 16.2 12.6 19.0



#75  
Fluoranthene  
Concen: 7.862 ng  
RT: 12.563 min Scan# 1747  
Delta R.T. -0.006 min  
Lab File: BF128683.D  
Acq: 03 Jun 2022 17:09

Tgt Ion:202 Resp: 80967  
Ion Ratio Lower Upper  
202 100  
101 7.1 0.0 31.4  
203 16.8 0.0 38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.992 min Scan# 1811

Delta R.T. -0.006 min

Lab File: BF128683.D

Acq: 03 Jun 2022 17:09

Instrument :

BNA\_F

ClientSampleId :

357

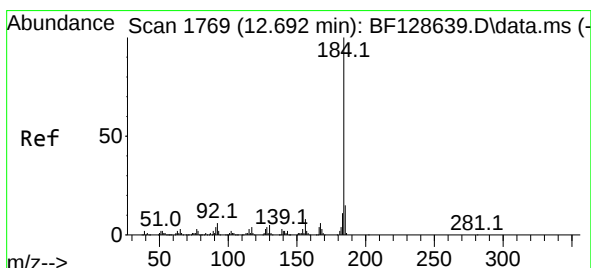
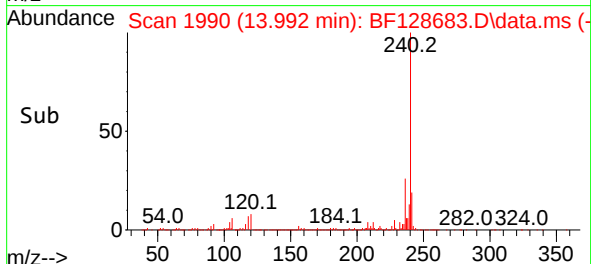
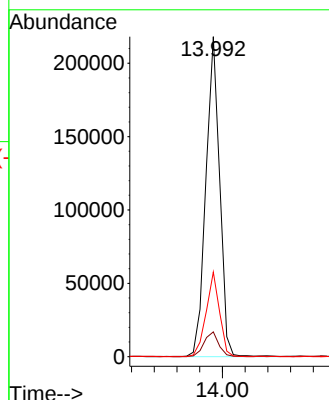
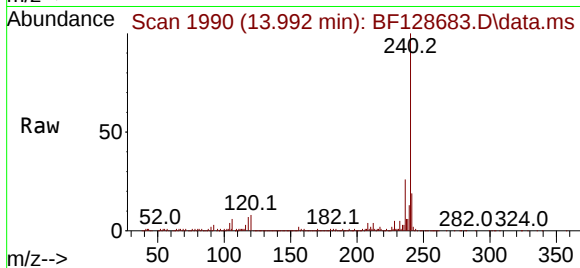
Tgt Ion:240 Resp: 183427

Ion Ratio Lower Upper

240 100

120 7.8 8.9 13.3#

236 26.4 20.8 31.2



#77

Benzidine

Concen: 2.693 ng

RT: 12.939 min Scan# 1811

Delta R.T. 0.247 min

Lab File: BF128683.D

Acq: 03 Jun 2022 17:09

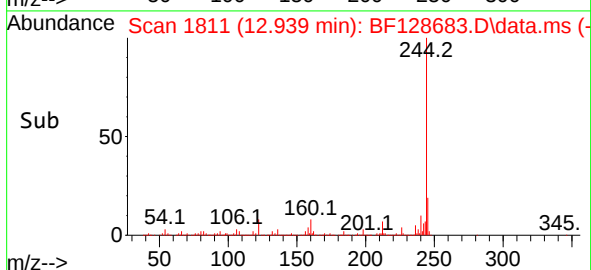
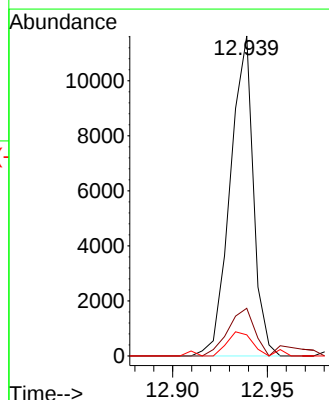
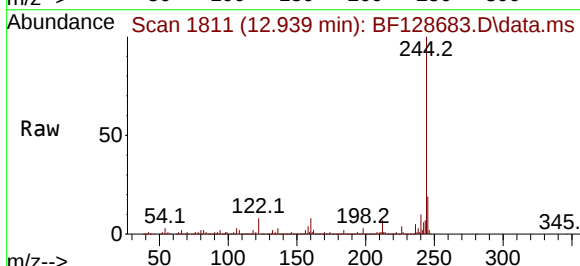
Tgt Ion:184 Resp: 9846

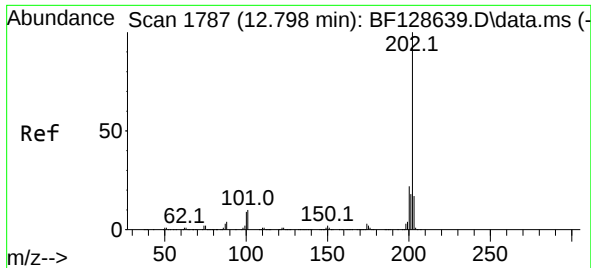
Ion Ratio Lower Upper

184 100

185 14.9 11.9 17.9

183 6.6 9.3 13.9#

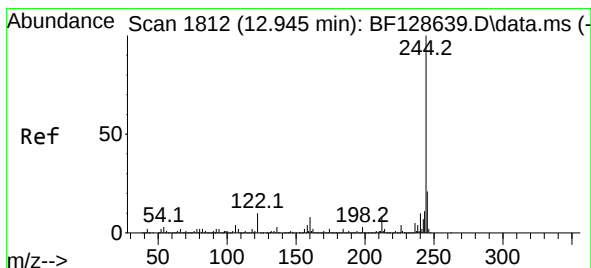
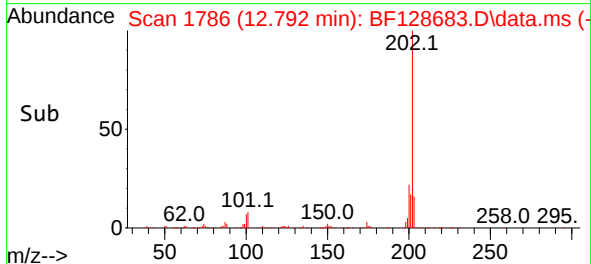
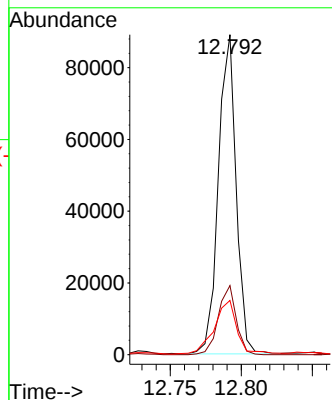
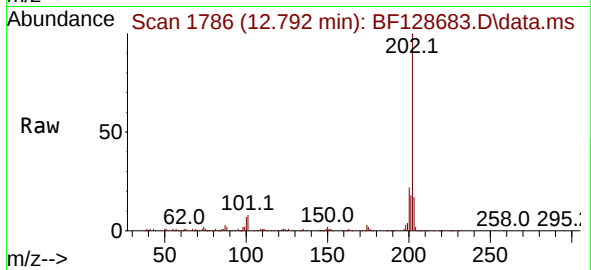




#78  
Pyrene  
Concen: 5.668 ng  
RT: 12.792 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF128683.D  
Acq: 03 Jun 2022 17:09

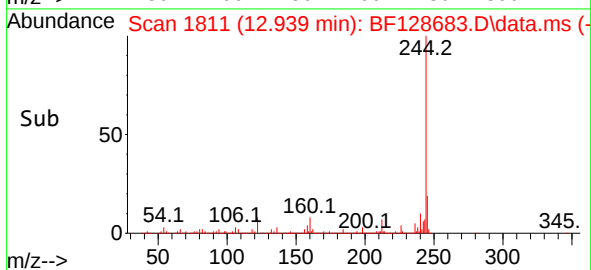
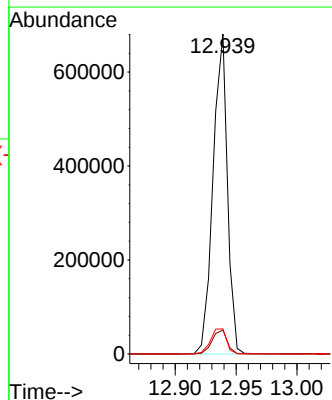
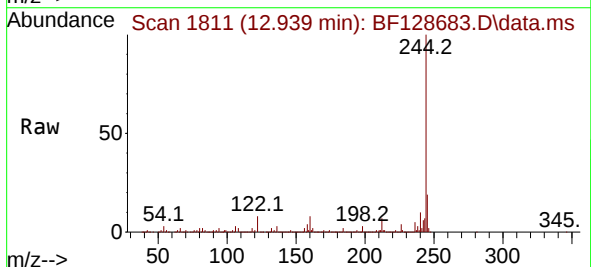
Instrument :  
BNA\_F  
ClientSampleId :  
357

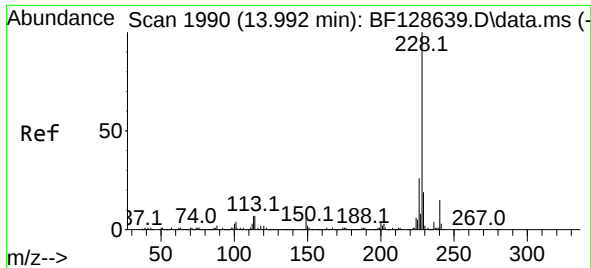
Tgt Ion:202 Resp: 77353  
Ion Ratio Lower Upper  
202 100  
200 21.6 17.7 26.5  
203 16.9 14.6 21.8



#79  
Terphenyl-d14  
Concen: 53.063 ng  
RT: 12.939 min Scan# 1811  
Delta R.T. -0.006 min  
Lab File: BF128683.D  
Acq: 03 Jun 2022 17:09

Tgt Ion:244 Resp: 560138  
Ion Ratio Lower Upper  
244 100  
212 7.5 6.1 9.1  
122 7.8 8.8 13.2#

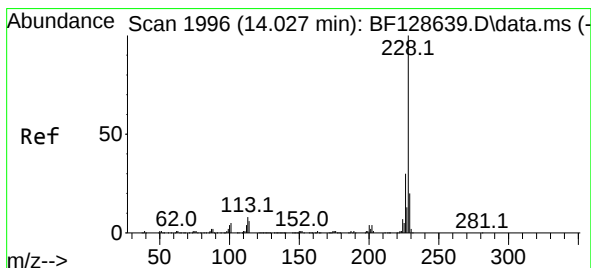
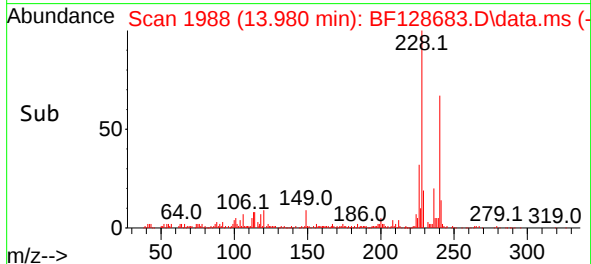
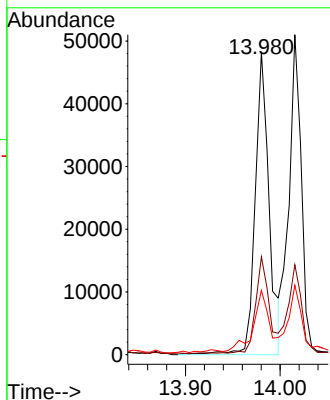
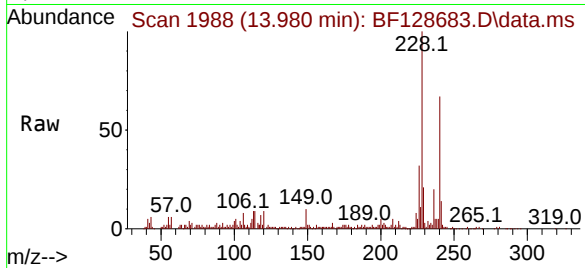




#81  
Benzo(a)anthracene  
Concen: 4.327 ng  
RT: 13.980 min Scan# 1988  
Delta R.T. -0.012 min  
Lab File: BF128683.D  
Acq: 03 Jun 2022 17:09

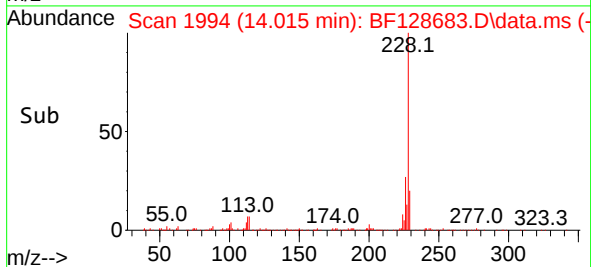
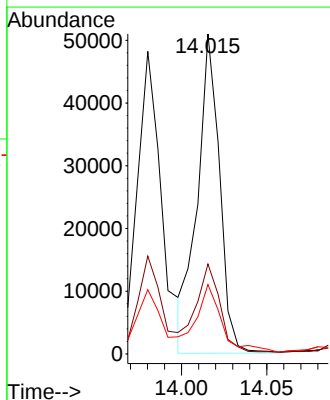
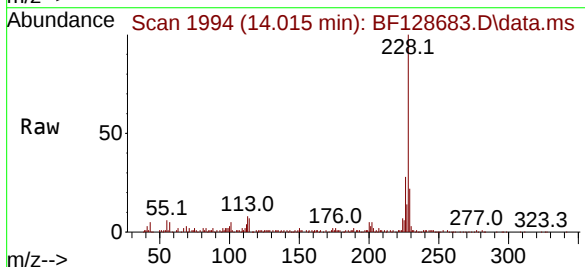
Instrument :  
BNA\_F  
ClientSampleId :  
357

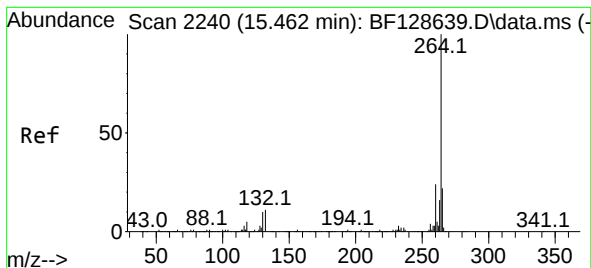
Tgt Ion:228 Resp: 49472  
Ion Ratio Lower Upper  
228 100  
226 32.4 22.1 33.1  
229 21.3 15.8 23.8



#83  
Chrysene  
Concen: 4.240 ng  
RT: 14.015 min Scan# 1994  
Delta R.T. -0.012 min  
Lab File: BF128683.D  
Acq: 03 Jun 2022 17:09

Tgt Ion:228 Resp: 46222  
Ion Ratio Lower Upper  
228 100  
226 28.1 24.3 36.5  
229 21.7 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.457 min Scan# 21

Delta R.T. -0.005 min

Lab File: BF128683.D

Acq: 03 Jun 2022 17:09

Instrument :

BNA\_F

ClientSampleId :

357

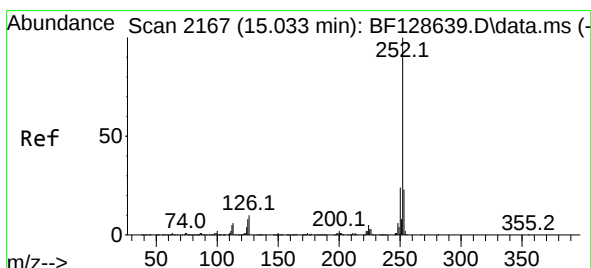
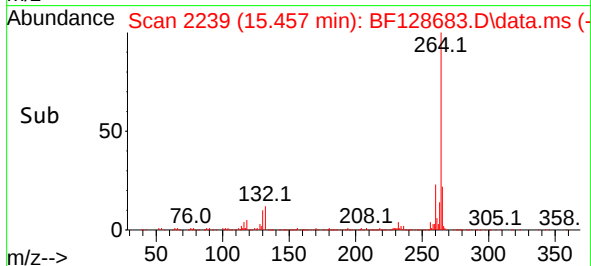
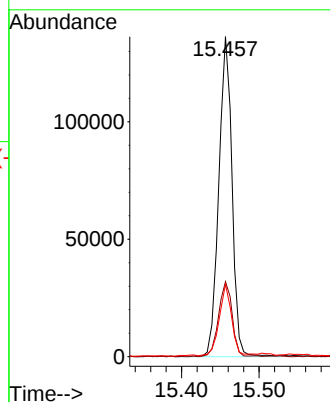
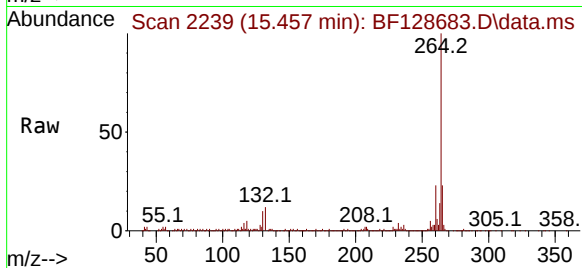
Tgt Ion:264 Resp: 161218

Ion Ratio Lower Upper

264 100

260 23.4 18.4 27.6

265 22.6 17.2 25.8



#88

Benzo(b)fluoranthene

Concen: 7.045 ng

RT: 15.027 min Scan# 2166

Delta R.T. -0.006 min

Lab File: BF128683.D

Acq: 03 Jun 2022 17:09

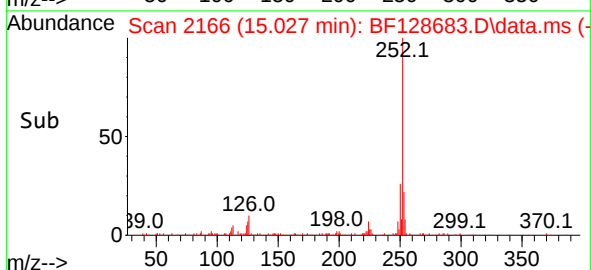
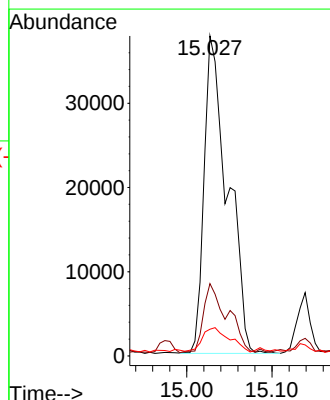
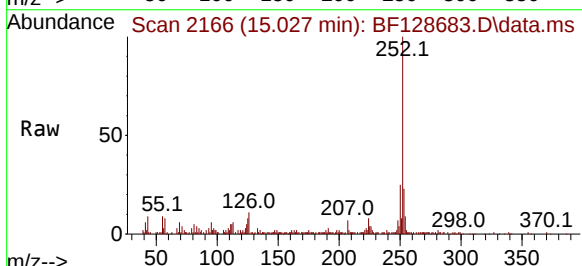
Tgt Ion:252 Resp: 72573

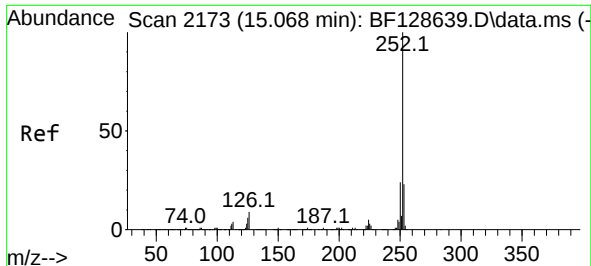
Ion Ratio Lower Upper

252 100

253 22.6 17.7 26.5

125 8.4 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 7.489 ng

RT: 15.027 min Scan# 2117

Delta R.T. -0.041 min

Lab File: BF128683.D

Acq: 03 Jun 2022 17:09

Instrument :

BNA\_F

ClientSampleId :

357

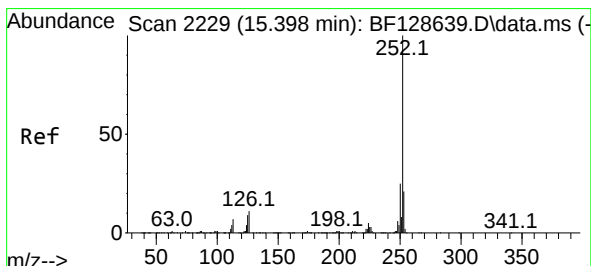
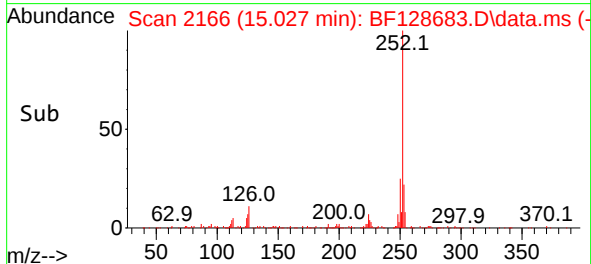
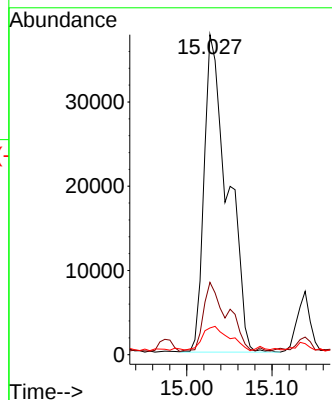
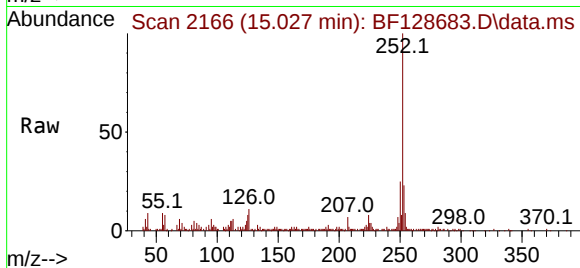
Tgt Ion:252 Resp: 72573

Ion Ratio Lower Upper

252 100

253 22.6 17.8 26.6

125 8.4 8.3 12.5



#90

Benzo(a)pyrene

Concen: 3.223 ng

RT: 15.327 min Scan# 2217

Delta R.T. -0.071 min

Lab File: BF128683.D

Acq: 03 Jun 2022 17:09

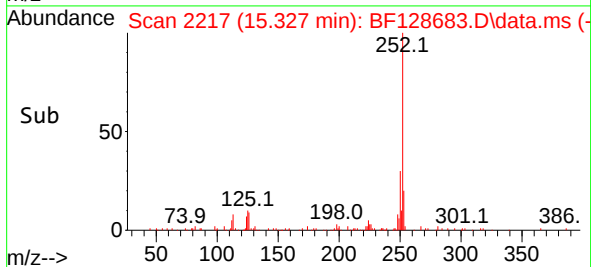
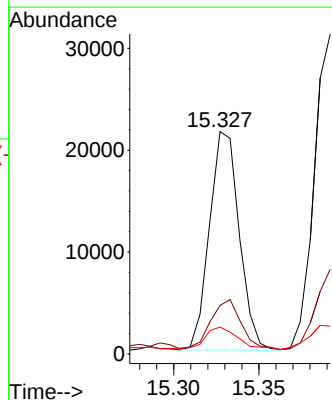
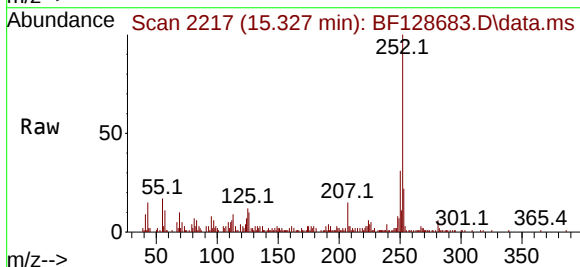
Tgt Ion:252 Resp: 26099

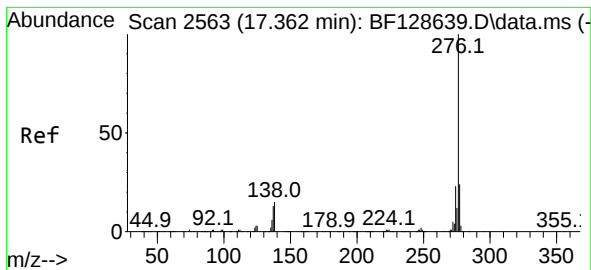
Ion Ratio Lower Upper

252 100

253 21.8 17.0 25.6

125 12.1 8.8 13.2





#92

Benzo(g,h,i)perylene

Concen: 2.549 ng

RT: 17.339 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF128683.D

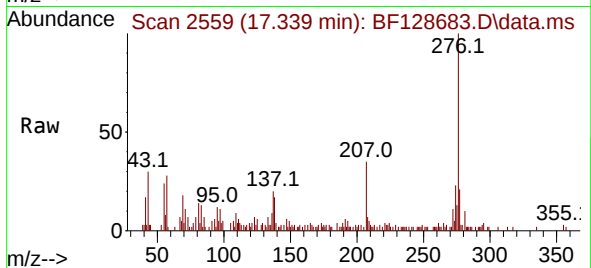
Acq: 03 Jun 2022 17:09

Instrument :

BNA\_F

ClientSampleId :

357



Tgt Ion: 276 Resp: 20362

Ion Ratio Lower Upper

276 100

277 21.1 19.1 28.7

138 16.8 18.0 27.0#

