

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052522\  
 Data File : BF128473.D  
 Acq On : 25 May 2022 21:46  
 Operator : CG\JU  
 Sample : N2981-19DL 10X  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-6(0.5-1)DL

Quant Time: May 26 01:02:14 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF052022.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 25 12:38:46 2022  
 Response via : Initial Calibration

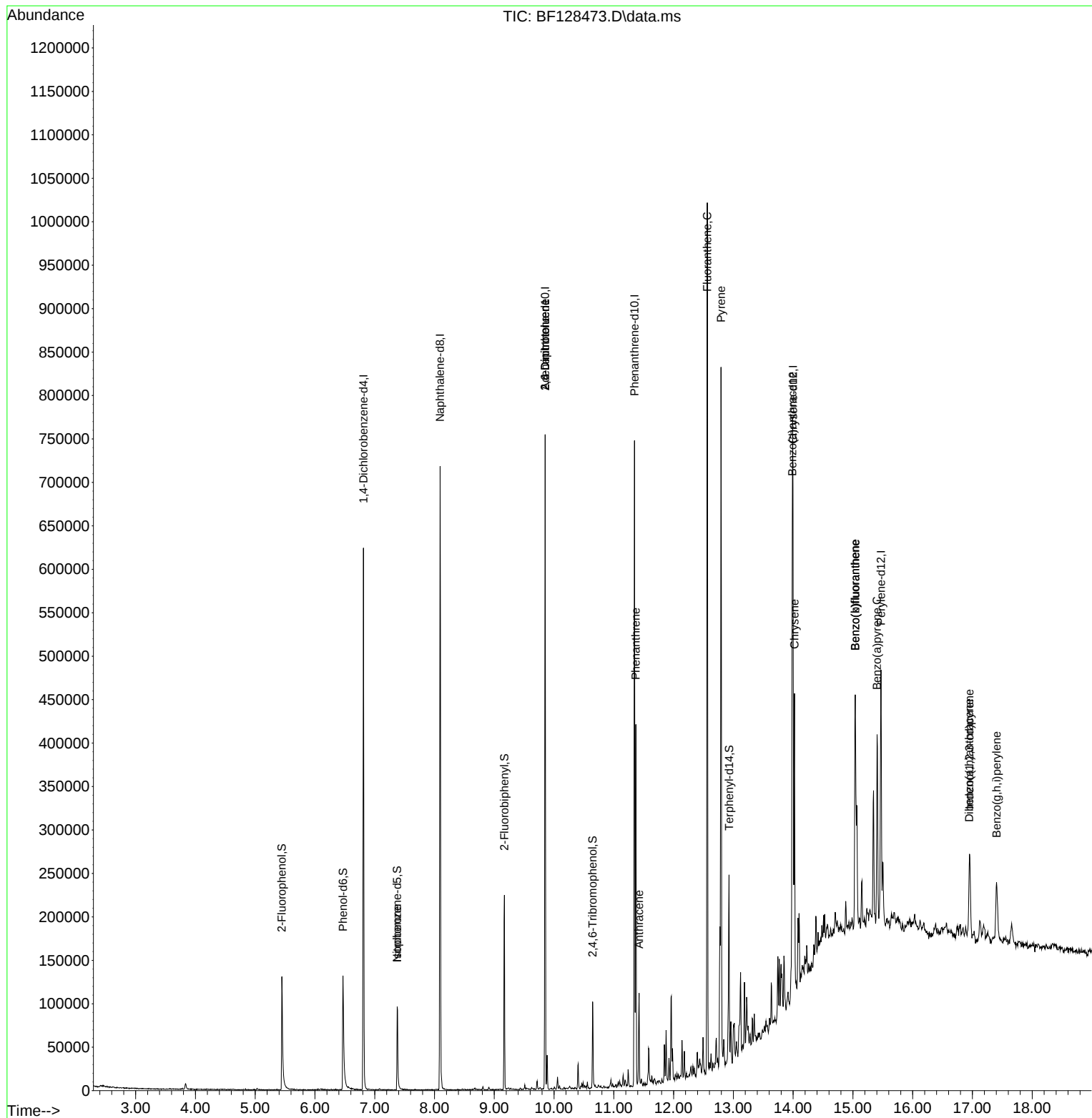
| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.810  | 152  | 83413    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.092  | 136  | 292211   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.851  | 164  | 142920   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.345 | 188  | 247532   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12            | 13.998 | 240  | 177197   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12            | 15.468 | 264  | 131727   | 20.000 | ng    | 0.01     |
|                             |        |      |          |        |       |          |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.446  | 112  | 49561    | 9.455  | ng    | 0.01     |
| 7) Phenol-d6                | 6.469  | 99   | 61412    | 8.898  | ng    | 0.01     |
| 23) Nitrobenzene-d5         | 7.375  | 82   | 35873    | 5.500  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.645 | 330  | 10909    | 7.401  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.169  | 172  | 65170    | 7.457  | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.927 | 244  | 65684    | 7.156  | ng    | 0.00     |
|                             |        |      |          |        |       |          |
| Target Compounds            |        |      |          |        |       | Qvalue   |
| 25) Isophorone              | 7.375  | 82   | 35873    | 3.589  | ng    | # 68     |
| 51) 2,6-Dinitrotoluene      | 9.851  | 165  | 18048    | 9.064  | ng    | # 21     |
| 57) 2,4-Dinitrotoluene      | 9.851  | 165  | 18048    | 7.194  | ng    | # 25     |
| 71) Phenanthrene            | 11.369 | 178  | 142486   | 11.795 | ng    | 98       |
| 72) Anthracene              | 11.422 | 178  | 38550    | 3.211  | ng    | 99       |
| 75) Fluoranthene            | 12.563 | 202  | 369678   | 28.258 | ng    | 98       |
| 78) Pyrene                  | 12.792 | 202  | 317026   | 23.895 | ng    | 99       |
| 81) Benzo(a)anthracene      | 13.986 | 228  | 155672   | 13.808 | ng    | 99       |
| 83) Chrysene                | 14.021 | 228  | 135407   | 12.611 | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene  | 16.951 | 276  | 62112    | 8.261  | ng    | 98       |
| 88) Benzo(b)fluoranthene    | 15.039 | 252  | 202296   | 24.688 | ng    | 97       |
| 89) Benzo(k)fluoranthene    | 15.039 | 252  | 202296   | 26.358 | ng    | # 95     |
| 90) Benzo(a)pyrene          | 15.404 | 252  | 106533   | 16.195 | ng    | 100      |
| 91) Dibenzo(a,h)anthracene  | 16.945 | 278  | 15738    | 2.609  | ng    | # 92     |
| 92) Benzo(g,h,i)perylene    | 17.404 | 276  | 58165    | 9.242  | ng    | 95       |
| -----                       |        |      |          |        |       |          |

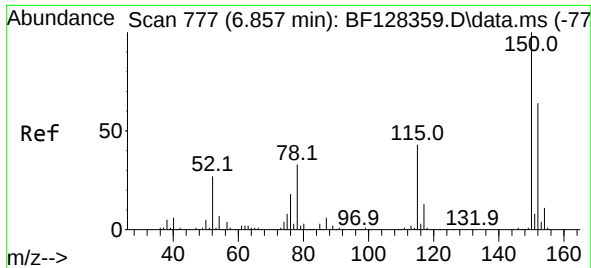
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed May 25 12:38:46 2022  
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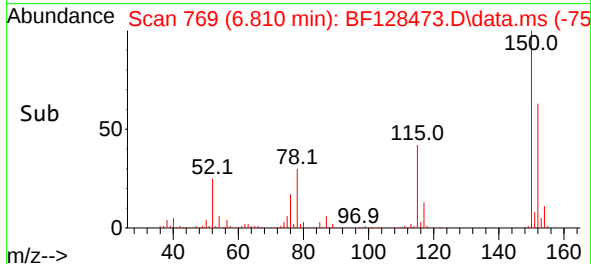
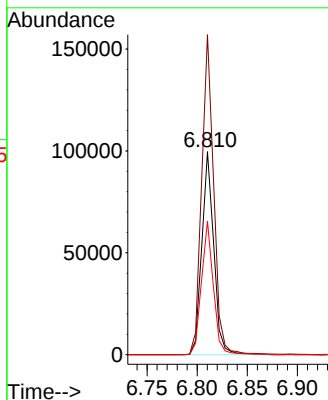
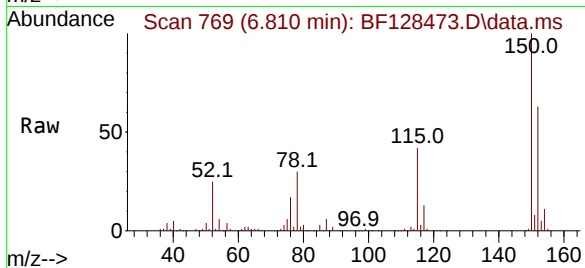




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.810 min Scan# 777  
Delta R.T. 0.000 min  
Lab File: BF128473.D  
Acq: 25 May 2022 21:46

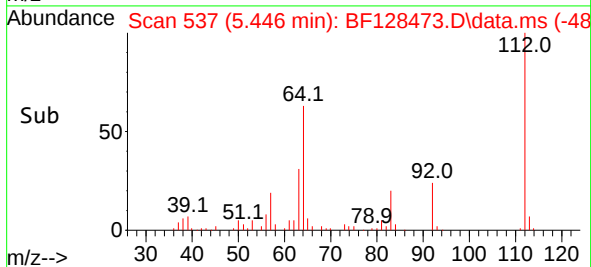
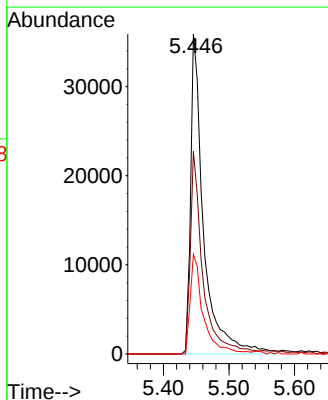
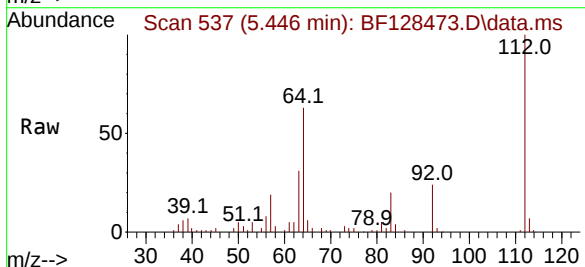
Instrument :  
BNA\_F  
ClientSampleId :  
SB-6(0.5-1)DL

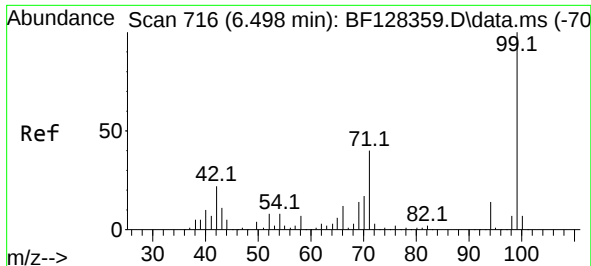
Tgt Ion:152 Resp: 83413  
Ion Ratio Lower Upper  
152 100  
150 157.7 125.3 187.9  
115 65.8 48.8 73.2



#5  
2-Fluorophenol  
Concen: 9.455 ng  
RT: 5.446 min Scan# 537  
Delta R.T. 0.012 min  
Lab File: BF128473.D  
Acq: 25 May 2022 21:46

Tgt Ion:112 Resp: 49561  
Ion Ratio Lower Upper  
112 100  
64 63.3 49.5 74.3  
63 31.1 26.3 39.5

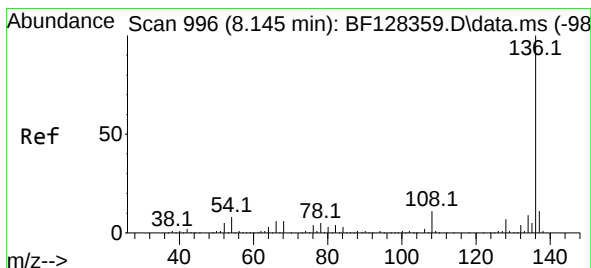
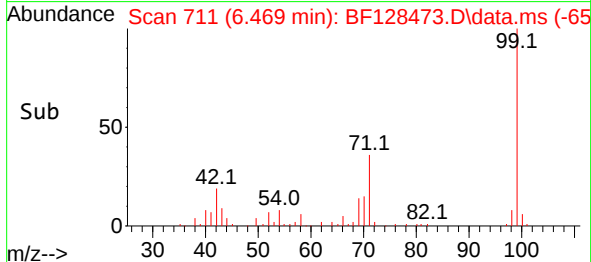
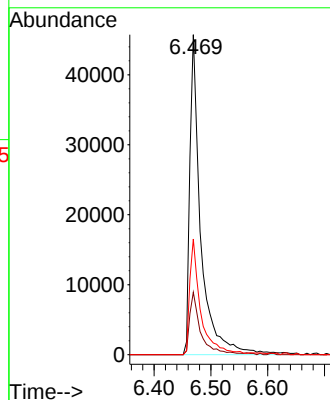
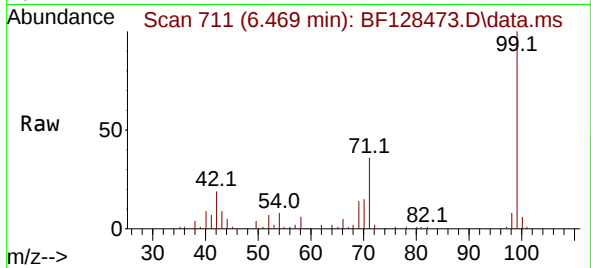




#7  
Phenol-d6  
Concen: 8.898 ng  
RT: 6.469 min Scan# 71  
Delta R.T. 0.012 min  
Lab File: BF128473.D  
Acq: 25 May 2022 21:46

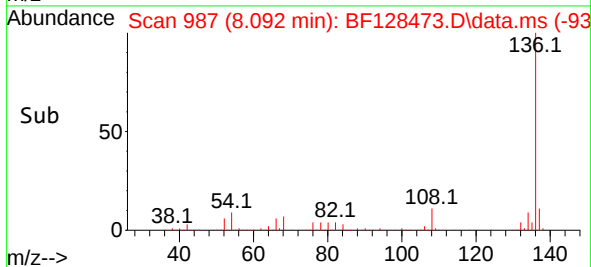
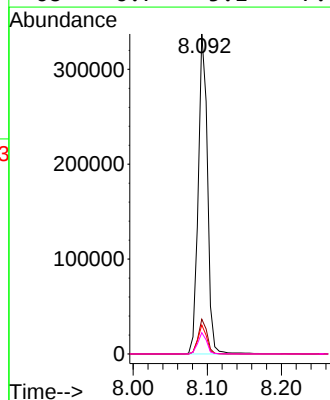
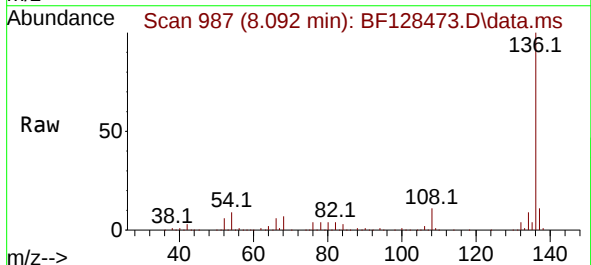
Instrument :  
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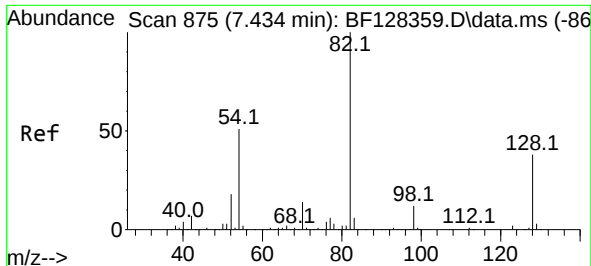
Tgt Ion: 99 Resp: 61412  
Ion Ratio Lower Upper  
99 100  
42 19.5 16.6 24.8  
71 36.1 30.0 45.0



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.092 min Scan# 987  
Delta R.T. 0.000 min  
Lab File: BF128473.D  
Acq: 25 May 2022 21:46

Tgt Ion: 136 Resp: 292211  
Ion Ratio Lower Upper  
136 100  
137 10.9 8.6 13.0  
54 9.0 6.8 10.2  
68 6.7 5.1 7.7





#23

Nitrobenzene-d5

Concen: 5.500 ng

RT: 7.375 min Scan# 865

Delta R.T. -0.006 min

Lab File: BF128473.D

Acq: 25 May 2022 21:46

Instrument :

BNA\_F

ClientSampleId :

SB-6(0.5-1)DL

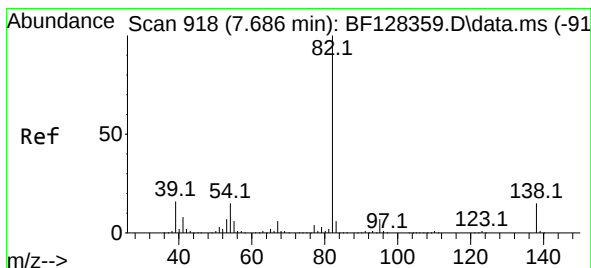
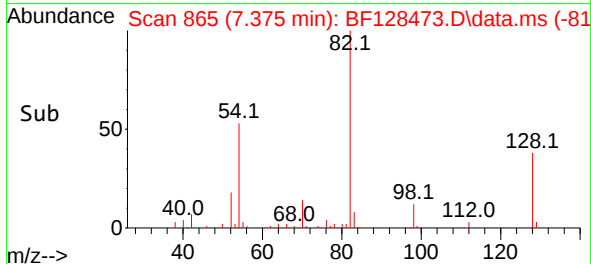
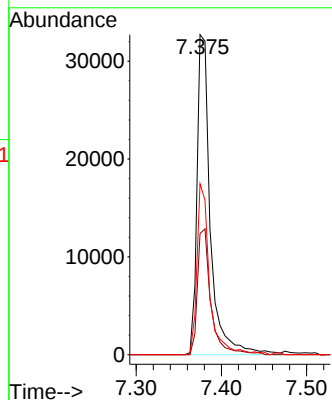
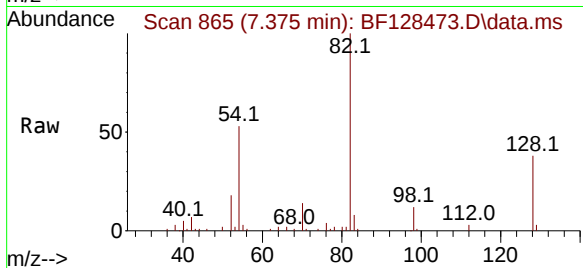
Tgt Ion: 82 Resp: 35873

Ion Ratio Lower Upper

82 100

128 37.8 30.0 45.0

54 53.4 41.3 61.9



#25

Isophorone

Concen: 3.589 ng

RT: 7.375 min Scan# 865

Delta R.T. -0.265 min

Lab File: BF128473.D

Acq: 25 May 2022 21:46

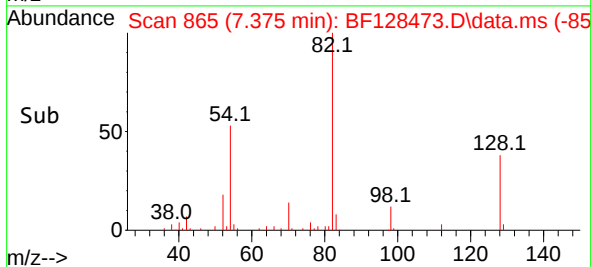
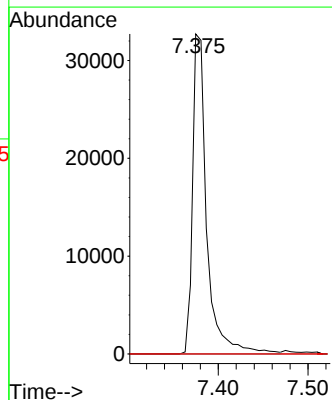
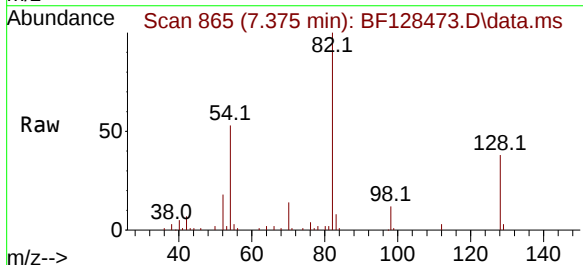
Tgt Ion: 82 Resp: 35873

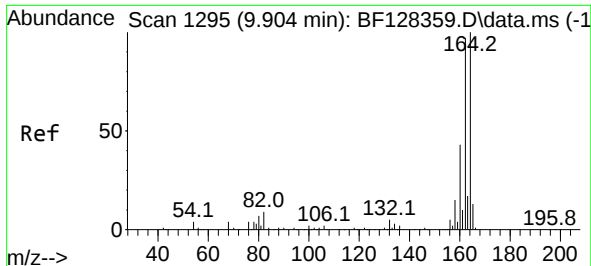
Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

138 0.0 12.5 18.7#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.851 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF128473.D

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Instrument :

BNA\_F

ClientSampleId :

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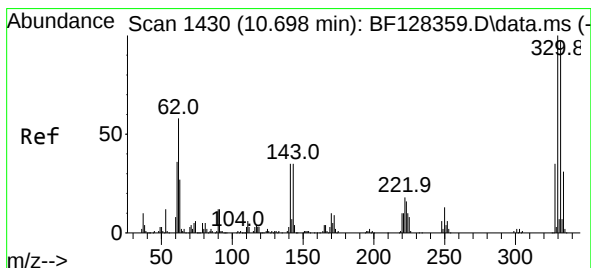
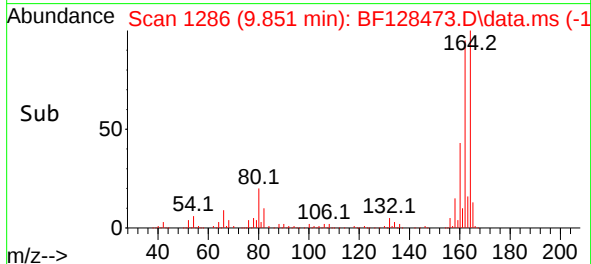
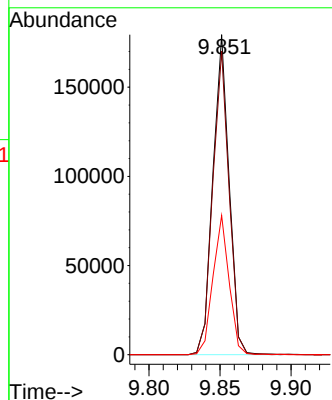
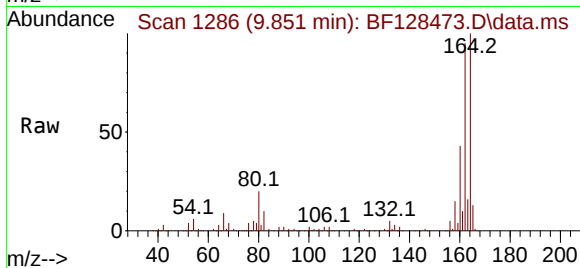
Tgt Ion:164 Resp: 142920

Ion Ratio Lower Upper

164 100

162 94.9 76.0 114.0

160 43.5 34.8 52.2



#42

2,4,6-Tribromophenol

Concen: 7.401 ng

RT: 10.645 min Scan# 1421

Delta R.T. 0.000 min

Lab File: BF128473.D

Acq: 25 May 2022 21:46

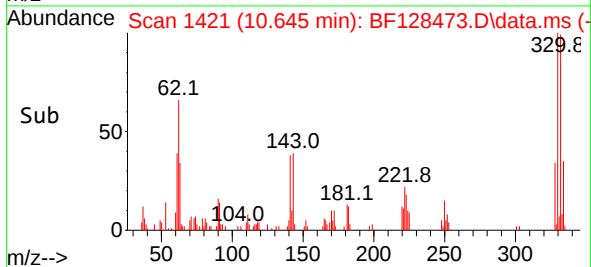
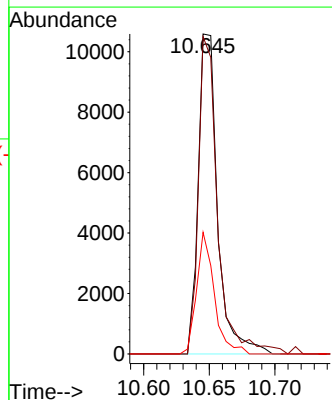
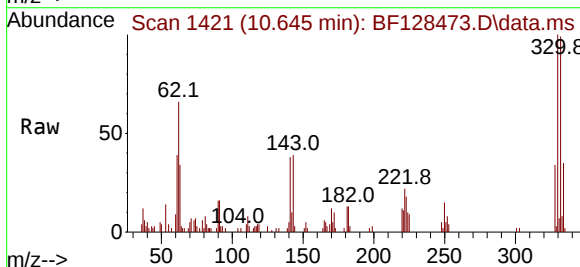
Tgt Ion:330 Resp: 10909

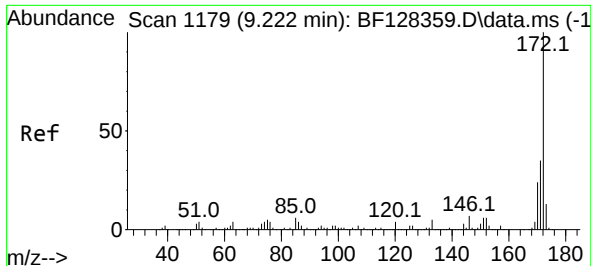
Ion Ratio Lower Upper

330 100

332 98.0 79.0 118.4

141 34.6 28.9 43.3





#45

2-Fluorobiphenyl

Concen: 7.457 ng

RT: 9.169 min Scan# 1179

Delta R.T. 0.000 min

Lab File: BF128473.D

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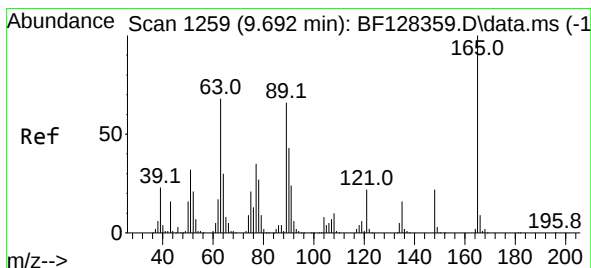
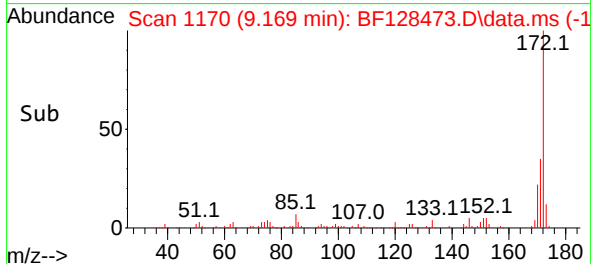
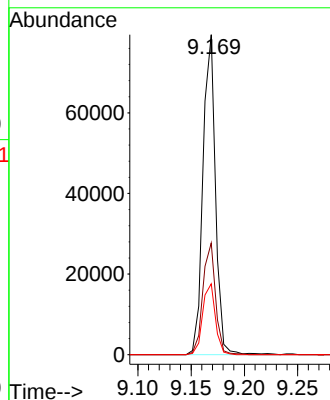
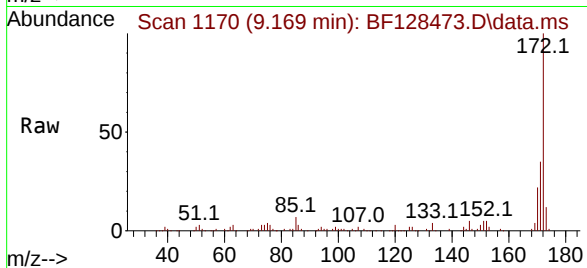
Tgt Ion:172 Resp: 65170

Ion Ratio Lower Upper

172 100

171 34.9 28.6 42.8

170 22.2 19.1 28.7



#51

2,6-Dinitrotoluene

Concen: 9.064 ng

RT: 9.851 min Scan# 1286

Delta R.T. 0.206 min

Lab File: BF128473.D

Acq: 25 May 2022 21:46

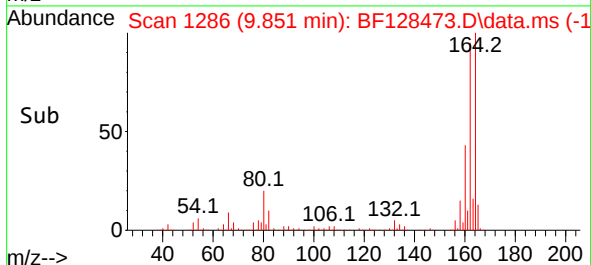
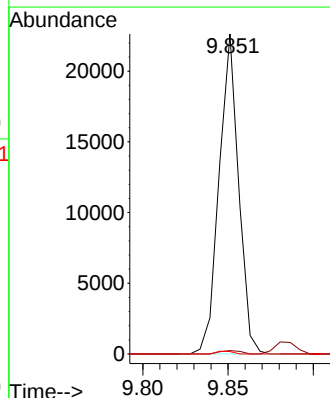
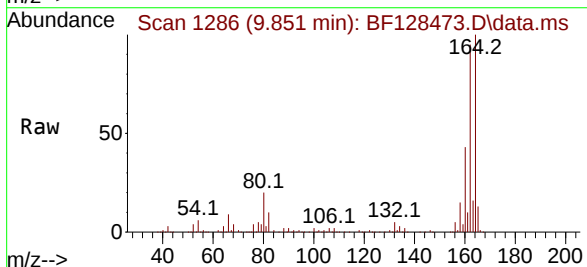
Tgt Ion:165 Resp: 18048

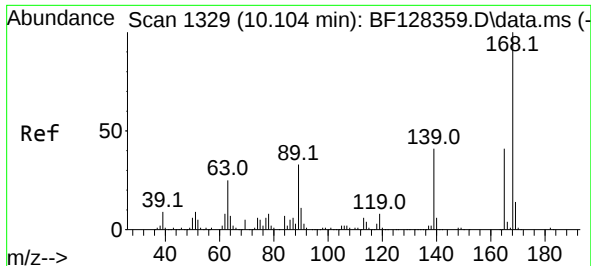
Ion Ratio Lower Upper

165 100

63 1.1 49.5 74.3#

89 0.8 49.0 73.4#

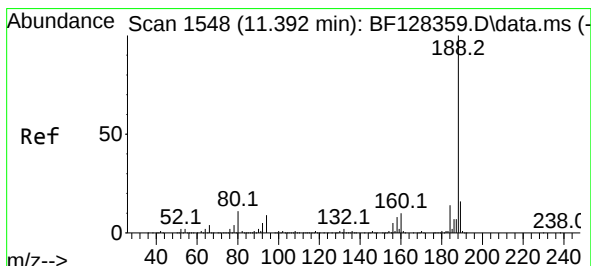
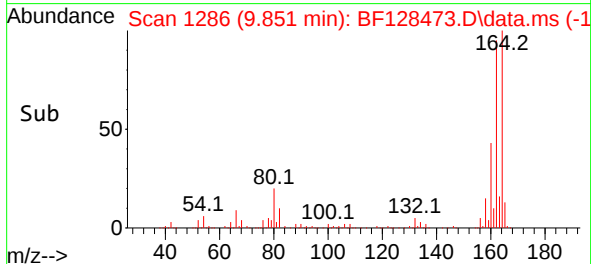
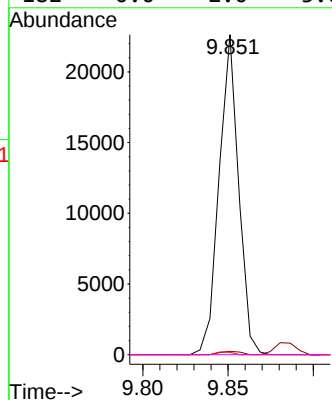
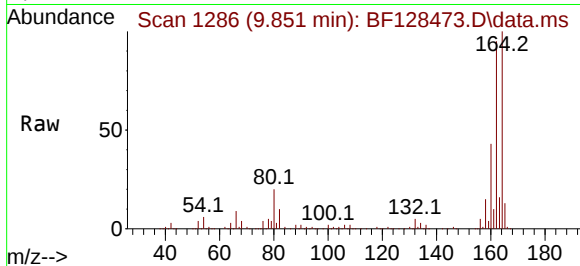




#57  
2,4-Dinitrotoluene  
Concen: 7.194 ng  
RT: 9.851 min Scan# 11  
Delta R.T. -0.200 min  
Lab File: BF128473.D  
Acq: 25 May 2022 21:46

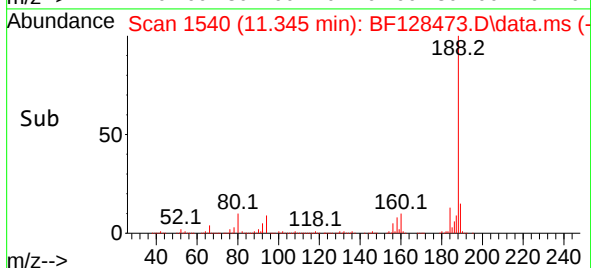
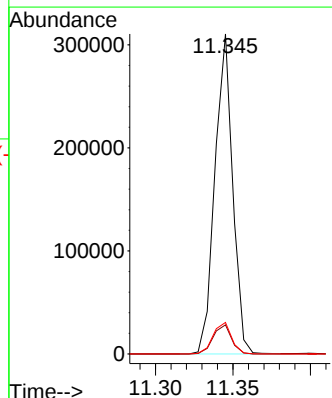
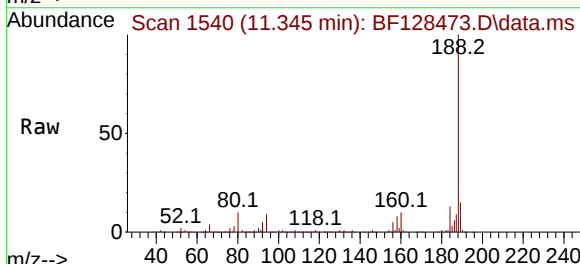
Instrument :  
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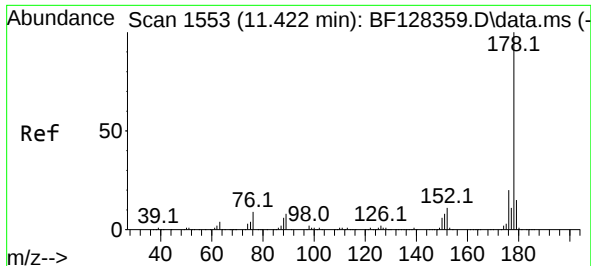
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Ion Ratio Lower Upper  
165 100  
63 1.1 32.6 49.0#  
89 0.8 55.2 82.8#  
182 0.0 2.0 3.0#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.345 min Scan# 1540  
Delta R.T. 0.006 min  
Lab File: BF128473.D  
Acq: 25 May 2022 21:46

Tgt Ion:188 Resp: 247532  
Ion Ratio Lower Upper  
188 100  
94 9.1 8.0 12.0  
80 9.8 8.9 13.3

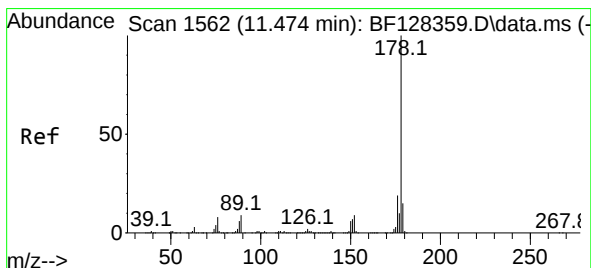
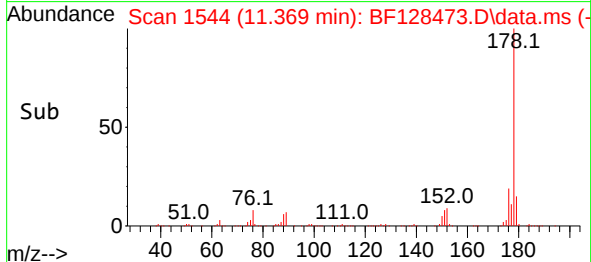
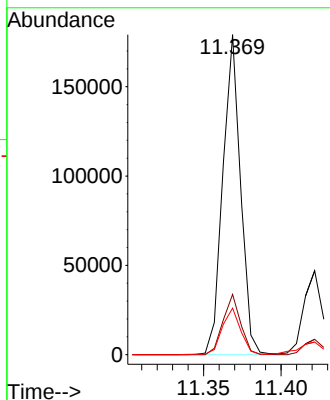
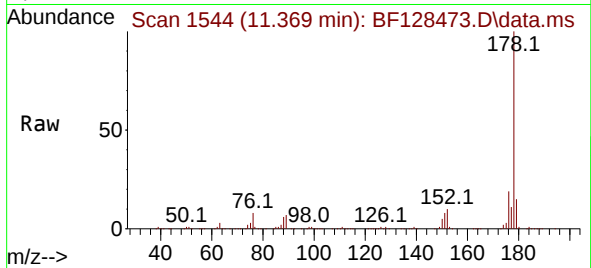




#71  
Phenanthrene  
Concen: 11.795 ng  
RT: 11.369 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF128473.D  
Acq: 25 May 2022 21:46

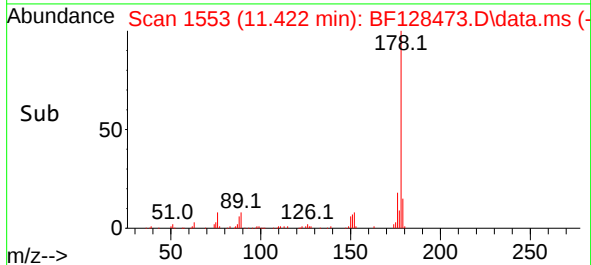
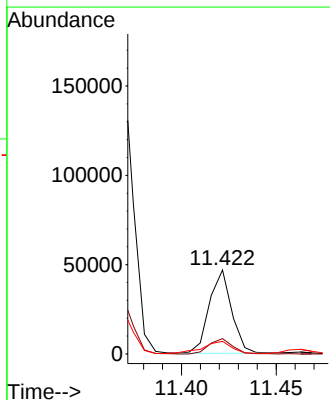
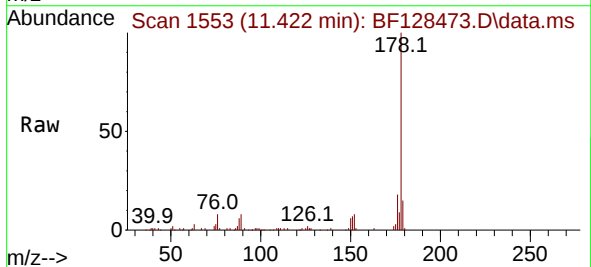
Instrument :  
BNA\_F  
ClientSampleId :  
SB-6(0.5-1)DL

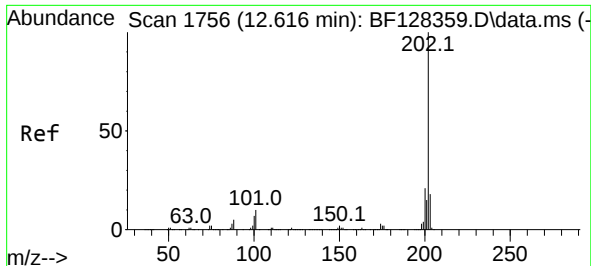
Tgt Ion:178 Resp: 142486  
Ion Ratio Lower Upper  
178 100  
176 18.9 15.7 23.5  
179 14.5 12.6 19.0



#72  
Anthracene  
Concen: 3.211 ng  
RT: 11.422 min Scan# 1553  
Delta R.T. 0.000 min  
Lab File: BF128473.D  
Acq: 25 May 2022 21:46

Tgt Ion:178 Resp: 38550  
Ion Ratio Lower Upper  
178 100  
176 18.3 15.0 22.6  
179 15.2 12.4 18.6

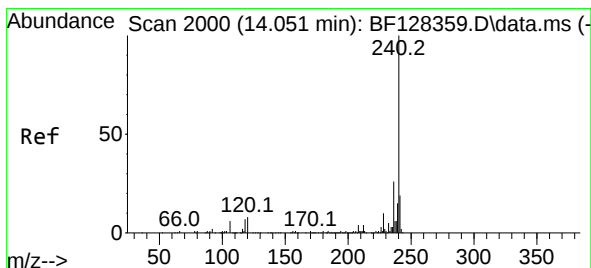
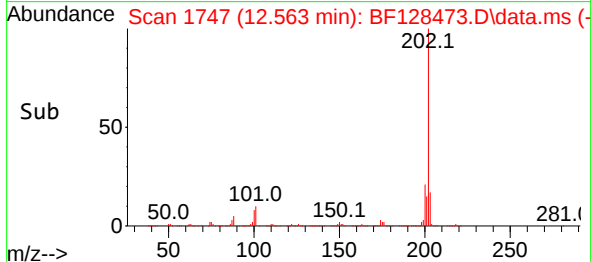
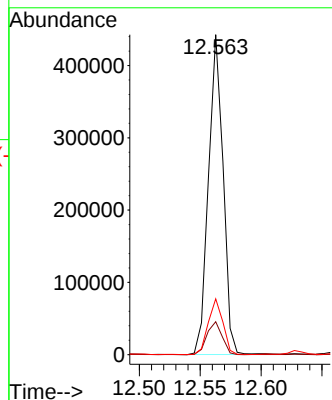
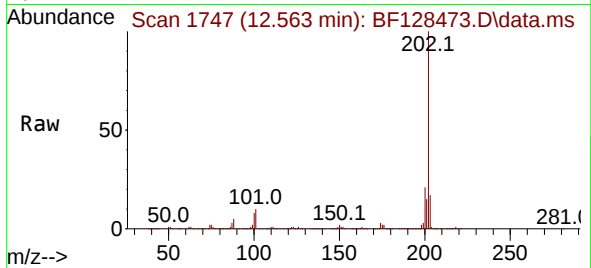




#75  
Fluoranthene  
Concen: 28.258 ng  
RT: 12.563 min Scan# 1747  
Delta R.T. 0.006 min  
Lab File: BF128473.D  
Acq: 25 May 2022 21:46

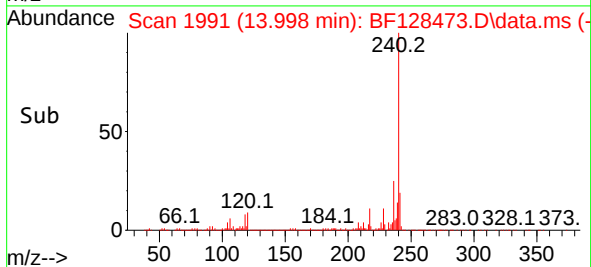
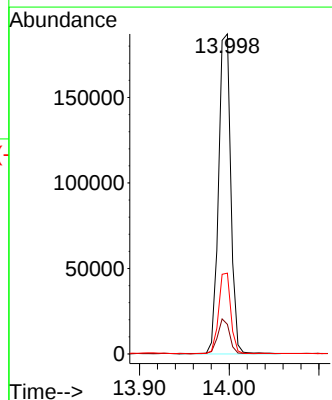
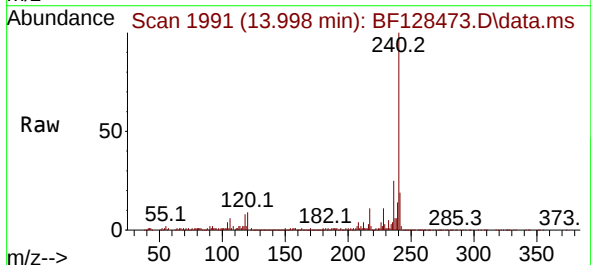
Instrument :  
BNA\_F  
ClientSampleId :  
SB-6(0.5-1)DL

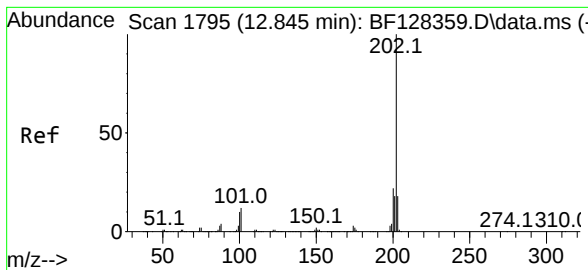
Tgt Ion:202 Resp: 369678  
Ion Ratio Lower Upper  
202 100  
101 10.3 0.0 31.6  
203 17.5 0.0 38.1



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.998 min Scan# 1991  
Delta R.T. 0.006 min  
Lab File: BF128473.D  
Acq: 25 May 2022 21:46

Tgt Ion:240 Resp: 177197  
Ion Ratio Lower Upper  
240 100  
120 9.2 7.0 10.6  
236 25.2 20.3 30.5





#78

Pyrene

Concen: 23.895 ng

RT: 12.792 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF128473.D

Acq: 25 May 2022 21:46

Instrument :

BNA\_F

ClientSampleId :

SB-6(0.5-1)DL

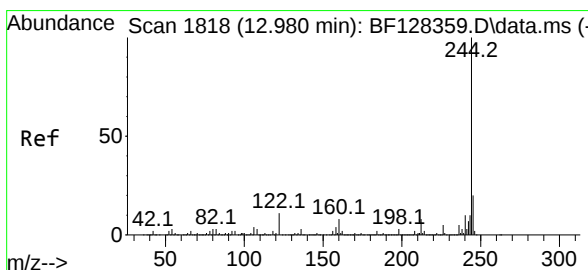
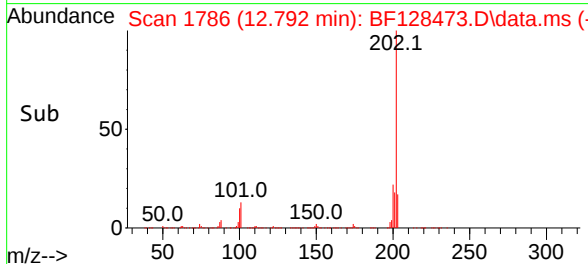
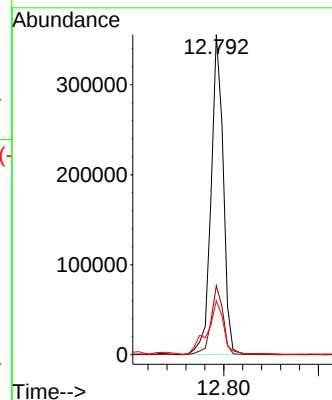
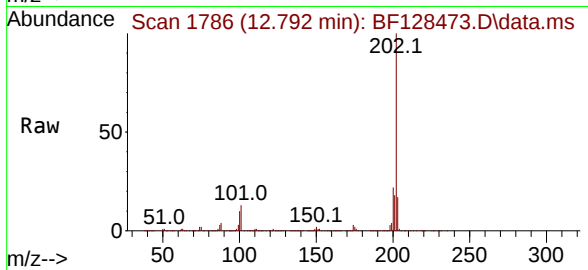
Tgt Ion:202 Resp: 317026

Ion Ratio Lower Upper

202 100

200 21.6 17.4 26.2

203 16.9 14.0 21.0



#79

Terphenyl-d14

Concen: 7.156 ng

RT: 12.927 min Scan# 1809

Delta R.T. 0.000 min

Lab File: BF128473.D

Acq: 25 May 2022 21:46

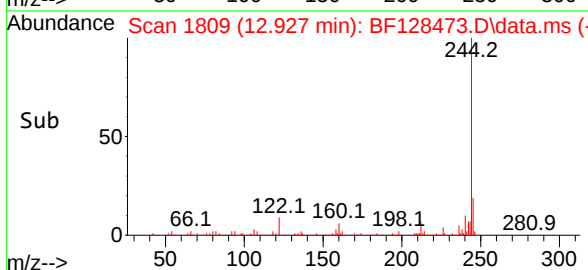
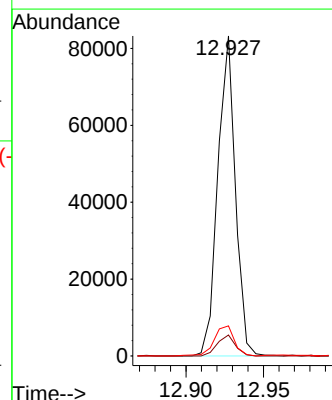
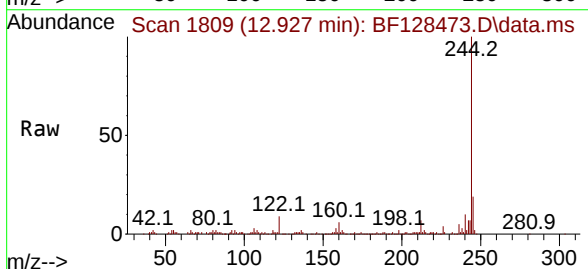
Tgt Ion:244 Resp: 65684

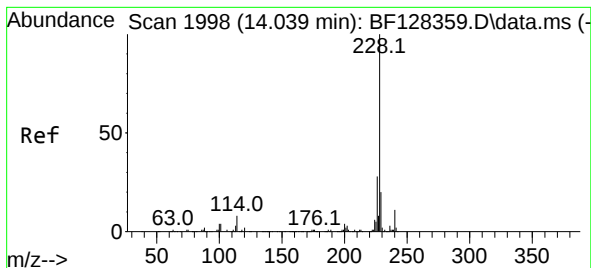
Ion Ratio Lower Upper

244 100

212 6.6 6.2 9.4

122 9.4 8.6 12.8





#81

Benzo(a)anthracene

Concen: 13.808 ng

RT: 13.986 min Scan# 1995

Delta R.T. 0.006 min

Lab File: BF128473.D

Acq: 25 May 2022 21:46

Instrument :

BNA\_F

ClientSampleId :

SB-6(0.5-1)DL

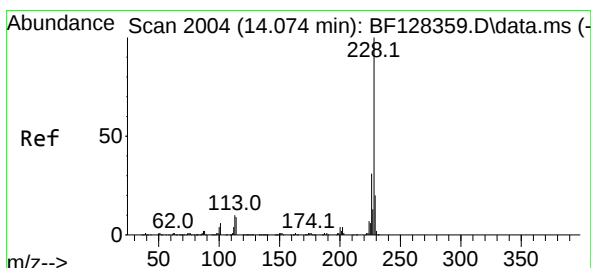
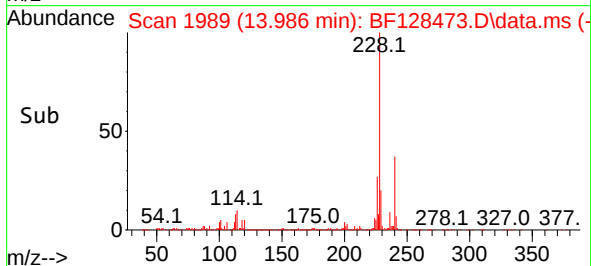
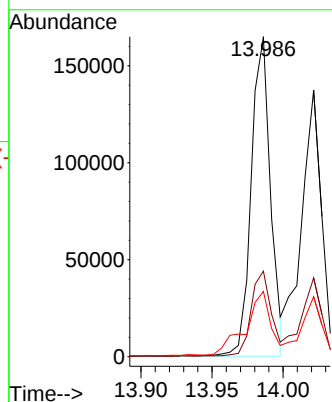
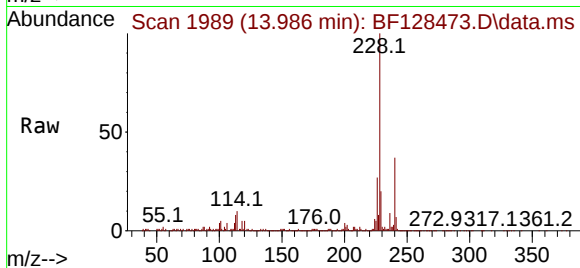
Tgt Ion:228 Resp: 155672

Ion Ratio Lower Upper

228 100

226 26.7 21.7 32.5

229 20.4 15.4 23.2



#83

Chrysene

Concen: 12.611 ng

RT: 14.021 min Scan# 1995

Delta R.T. 0.006 min

Lab File: BF128473.D

Acq: 25 May 2022 21:46

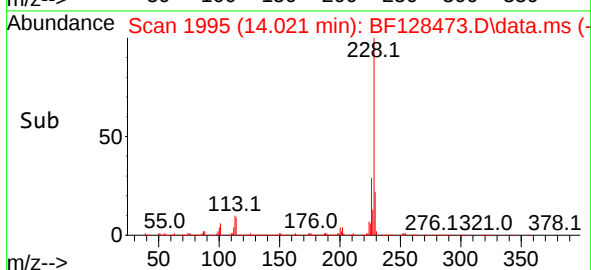
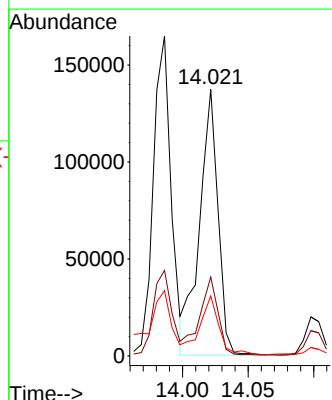
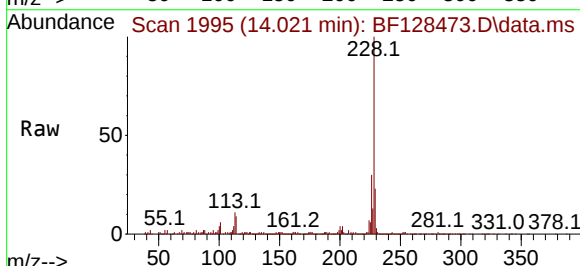
Tgt Ion:228 Resp: 135407

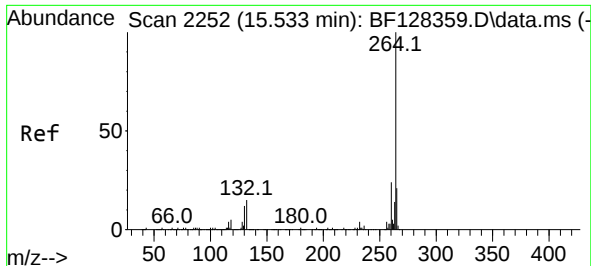
Ion Ratio Lower Upper

228 100

226 29.6 24.4 36.6

229 22.5 15.8 23.8

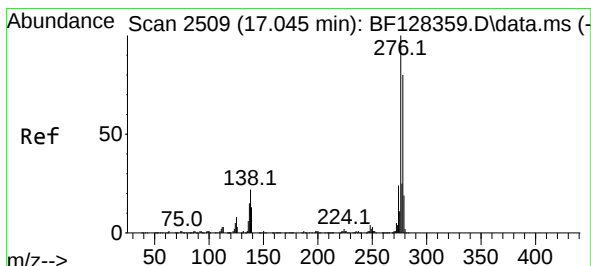
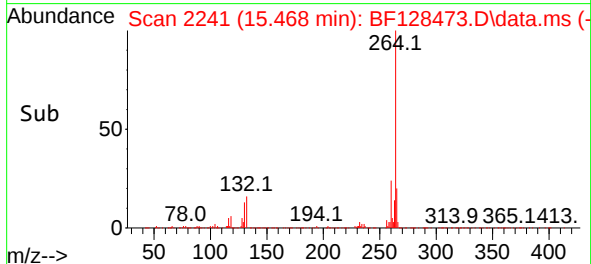
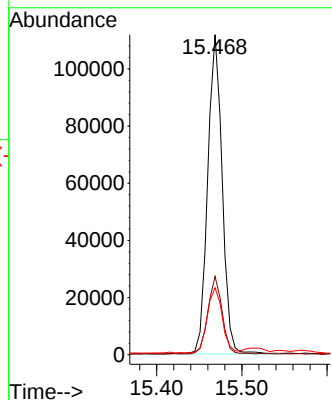
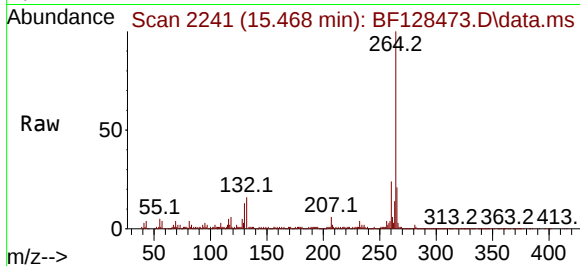




#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.468 min Scan# 21  
Delta R.T. 0.012 min  
Lab File: BF128473.D  
Acq: 25 May 2022 21:46

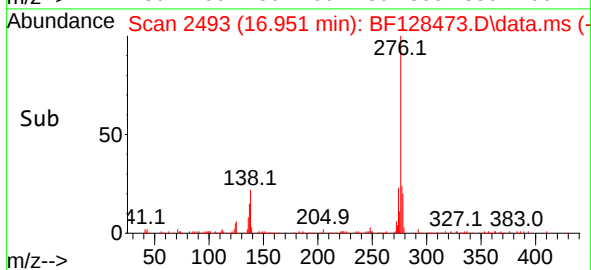
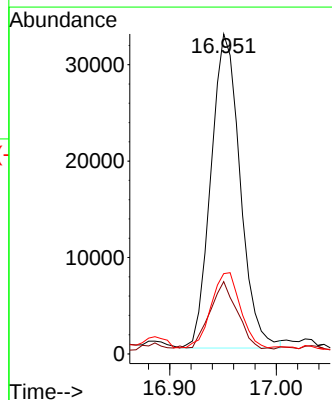
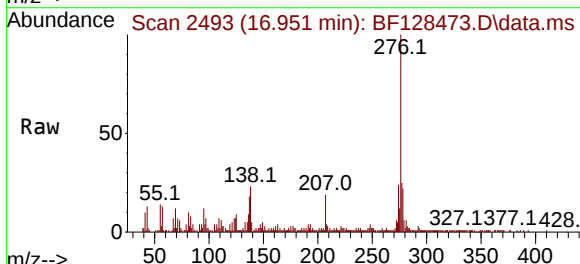
Instrument :  
BNA\_F  
ClientSampleId :  
SB-6(0.5-1)DL

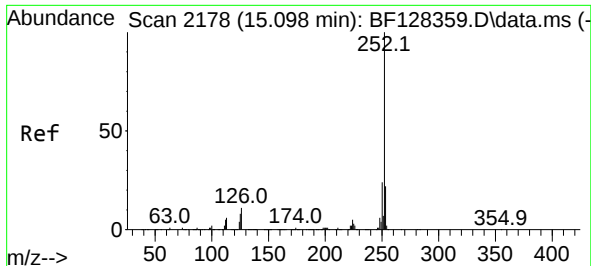
Tgt Ion:264 Resp: 131727  
Ion Ratio Lower Upper  
264 100  
260 24.4 20.1 30.1  
265 20.9 17.5 26.3



#87  
Indeno(1,2,3-cd)pyrene  
Concen: 8.261 ng  
RT: 16.951 min Scan# 2493  
Delta R.T. 0.012 min  
Lab File: BF128473.D  
Acq: 25 May 2022 21:46

Tgt Ion:276 Resp: 62112  
Ion Ratio Lower Upper  
276 100  
138 21.7 19.0 28.4  
277 25.5 20.1 30.1

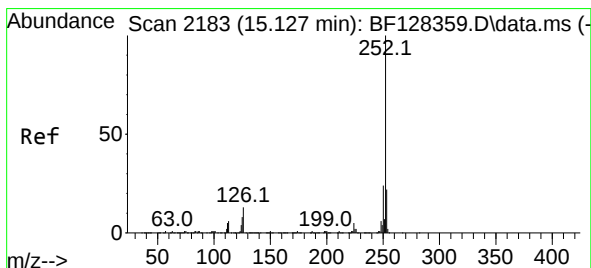
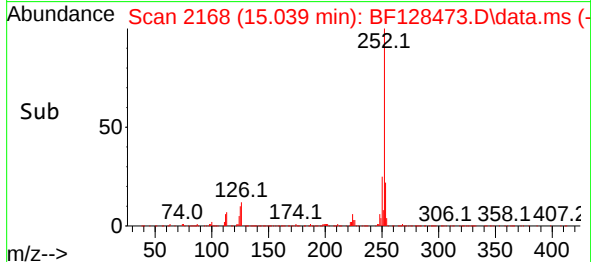
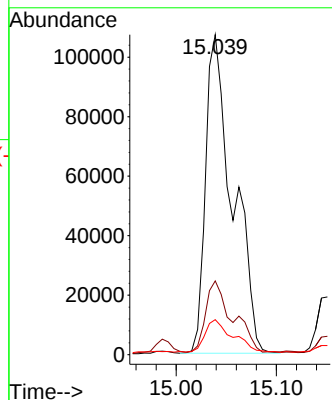
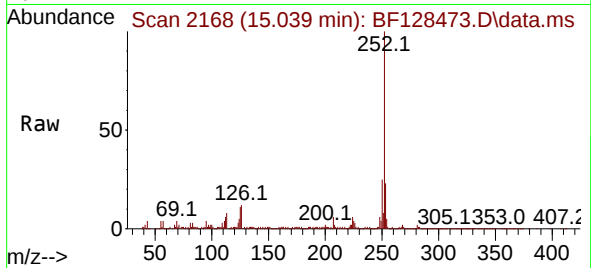




#88  
Benzo(b)fluoranthene  
Concen: 24.688 ng  
RT: 15.039 min Scan# 2178  
Delta R.T. 0.012 min  
Lab File: BF128473.D  
Acq: 25 May 2022 21:46

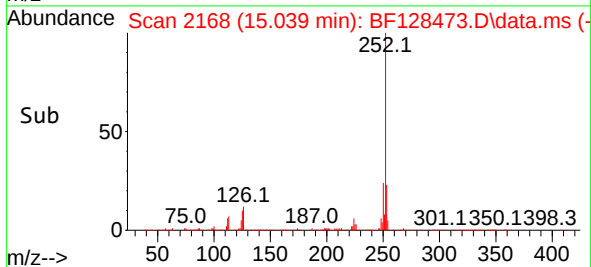
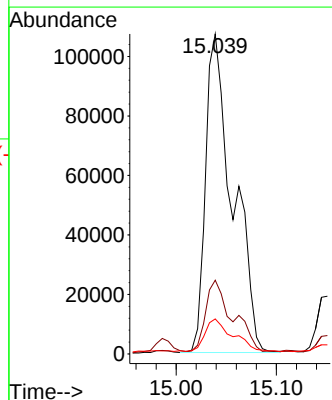
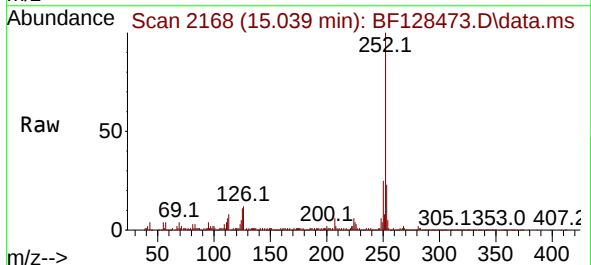
Instrument :  
BNA\_F  
ClientSampleId :  
SB-6(0.5-1)DL

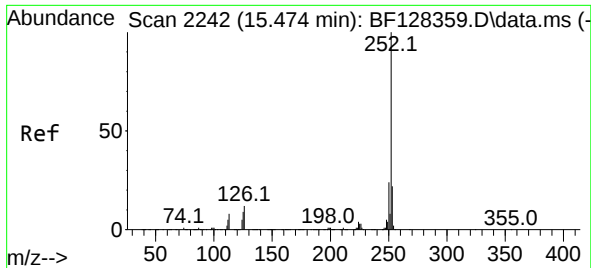
Tgt Ion:252 Resp: 202296  
Ion Ratio Lower Upper  
252 100  
253 23.1 17.4 26.2  
125 11.0 7.4 11.2



#89  
Benzo(k)fluoranthene  
Concen: 26.358 ng  
RT: 15.039 min Scan# 2168  
Delta R.T. -0.018 min  
Lab File: BF128473.D  
Acq: 25 May 2022 21:46

Tgt Ion:252 Resp: 202296  
Ion Ratio Lower Upper  
252 100  
253 23.1 17.0 25.4  
125 11.0 6.8 10.2#

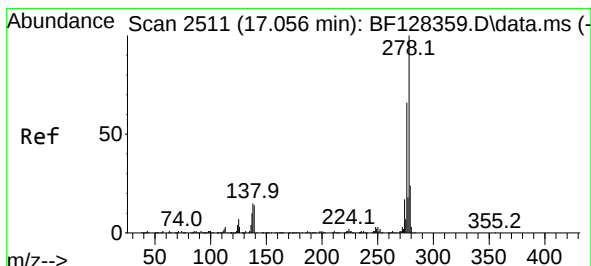
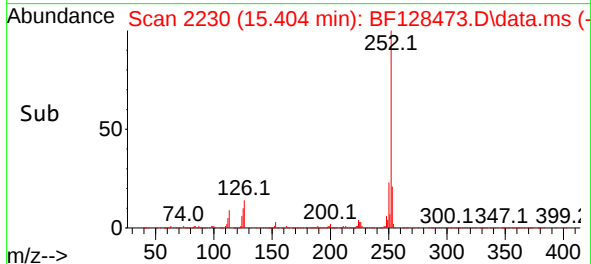
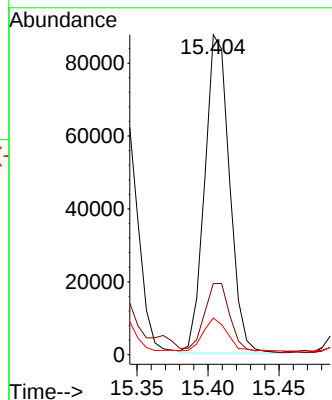
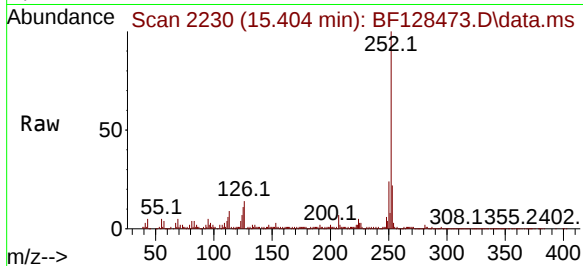




#90  
Benzo(a)pyrene  
Concen: 16.195 ng  
RT: 15.404 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: BF128473.D  
Acq: 25 May 2022 21:46

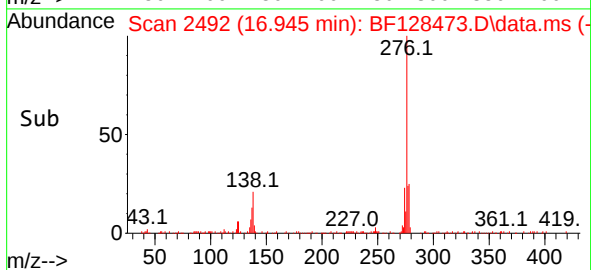
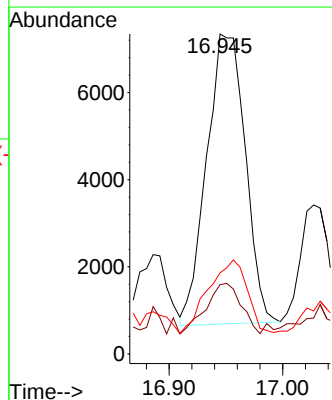
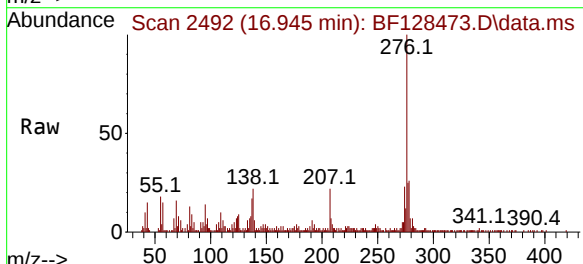
Instrument :  
BNA\_F  
ClientSampleId :  
SB-6(0.5-1)DL

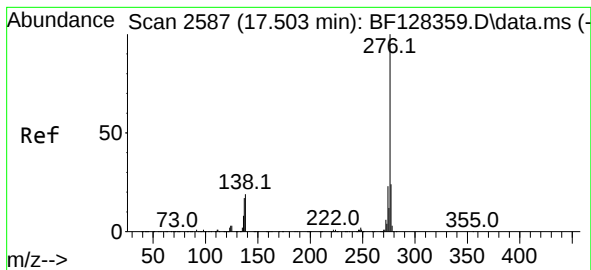
Tgt Ion:252 Resp: 106533  
Ion Ratio Lower Upper  
252 100  
253 22.3 17.8 26.6  
125 11.4 9.2 13.8



#91  
Dibenzo(a,h)anthracene  
Concen: 2.609 ng  
RT: 16.945 min Scan# 2492  
Delta R.T. 0.006 min  
Lab File: BF128473.D  
Acq: 25 May 2022 21:46

Tgt Ion:278 Resp: 15738  
Ion Ratio Lower Upper  
278 100  
139 21.6 12.6 19.0#  
279 25.3 18.9 28.3





#92

Benzo(g,h,i)perylene

Concen: 9.242 ng

RT: 17.404 min Scan# 21

Delta R.T. 0.024 min

Lab File: BF128473.D

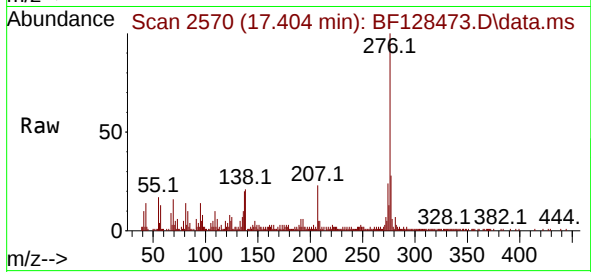
Acq: 25 May 2022 21:46

Instrument :

BNA\_F

ClientSampleId :

SB-6(0.5-1)DL



Tgt Ion:276 Resp: 58165

Ion Ratio Lower Upper

276 100

277 27.5 18.8 28.2

138 21.2 16.2 24.2

