

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF051922\  
 Data File : BF128353.D  
 Acq On : 19 May 2022 23:22  
 Operator : CG\JU  
 Sample : N2901-01 DL 5X  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EO-02-051722DL

Quant Time: May 20 02:47:41 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF050922.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 19 06:47:51 2022  
 Response via : Initial Calibration

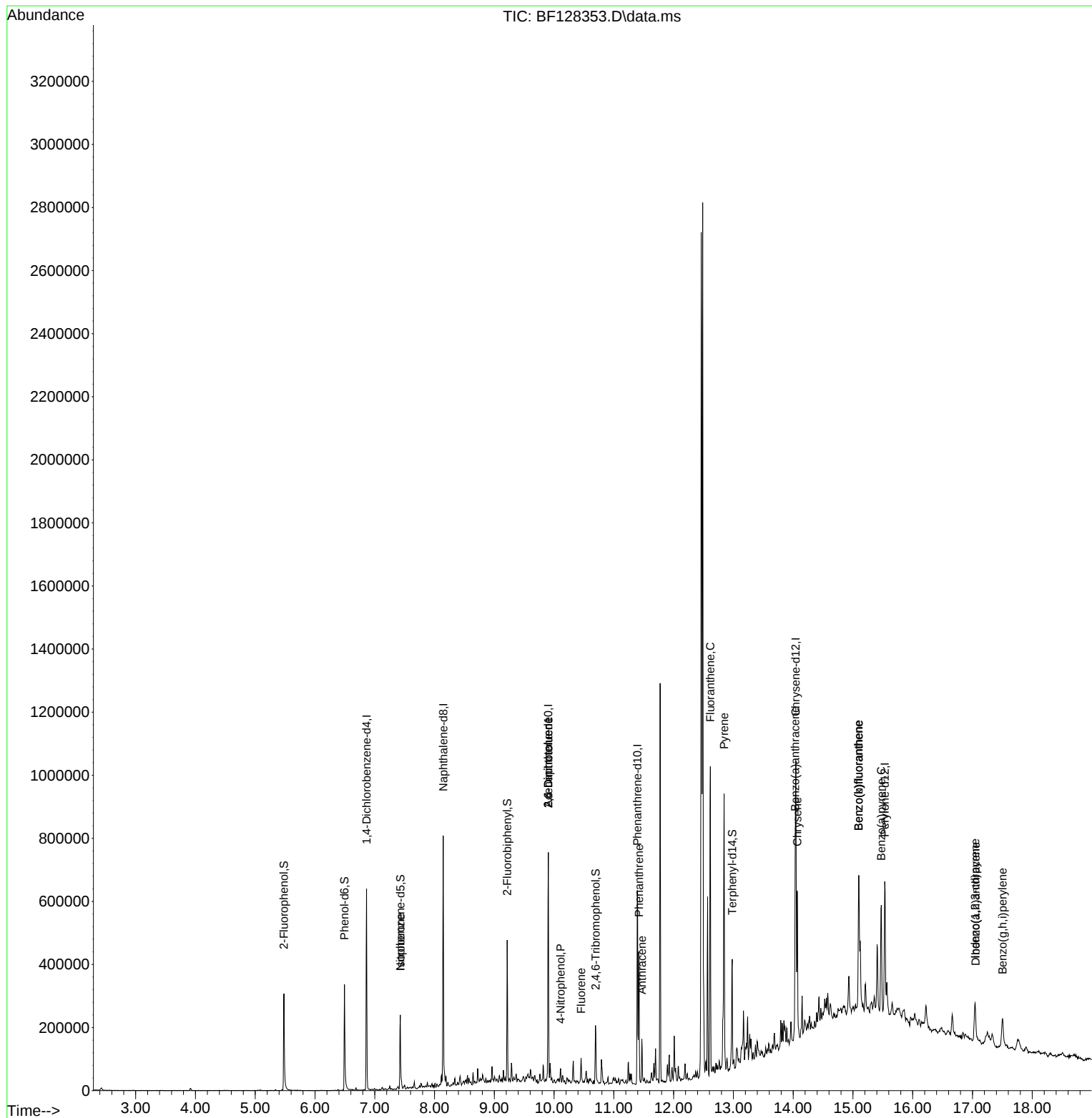
| Compound                    | R.T.   | QIon | Response | Conc      | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-----------|--------|----------|
| -----                       |        |      |          |           |        |          |
| Internal Standards          |        |      |          |           |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.863  | 152  | 84759    | 20.000    | ng     | 0.00     |
| 21) Naphthalene-d8          | 8.145  | 136  | 307412   | 20.000    | ng     | -0.01    |
| 39) Acenaphthene-d10        | 9.904  | 164  | 145800   | 20.000    | ng     | -0.01    |
| 64) Phenanthrene-d10        | 11.392 | 188  | 232068   | 20.000    | ng     | -0.01    |
| 76) Chrysene-d12            | 14.045 | 240  | 215421   | 20.000    | ng     | -0.01    |
| 86) Perylene-d12            | 15.533 | 264  | 193240   | 20.000    | ng     | -0.01    |
| System Monitoring Compounds |        |      |          |           |        |          |
| 5) 2-Fluorophenol           | 5.481  | 112  | 91725    | 17.252    | ng     | -0.01    |
| 7) Phenol-d6                | 6.493  | 99   | 118881   | 16.905    | ng     | -0.02    |
| 23) Nitrobenzene-d5         | 7.428  | 82   | 77007    | 11.272    | ng     | -0.02    |
| 42) 2,4,6-Tribromophenol    | 10.698 | 330  | 20685    | 12.370    | ng     | -0.01    |
| 45) 2-Fluorobiphenyl        | 9.216  | 172  | 122525   | 13.149    | ng     | -0.02    |
| 79) Terphenyl-d14           | 12.980 | 244  | 114660   | 9.987     | ng     | -0.01    |
| Target Compounds            |        |      |          |           |        |          |
|                             |        |      |          |           | Qvalue |          |
| 9) Benzaldehyde             | 6.463  | 77   | 71       | Below Cal | #      | 1        |
| 25) Isophorone              | 7.428  | 82   | 75335    | 7.034     | ng     | # 68     |
| 51) 2,6-Dinitrotoluene      | 9.904  | 165  | 19876    | 9.630     | ng     | # 21     |
| 56) 4-Nitrophenol           | 10.110 | 139  | 4896     | 3.131     | ng     | # 8      |
| 57) 2,4-Dinitrotoluene      | 9.904  | 165  | 19876    | 7.202     | ng     | # 26     |
| 58) Fluorene                | 10.451 | 166  | 18827    | 2.063     | ng     | 98       |
| 71) Phenanthrene            | 11.422 | 178  | 153125   | 13.251    | ng     | 98       |
| 72) Anthracene              | 11.469 | 178  | 51592    | 4.472     | ng     | 98       |
| 75) Fluoranthene            | 12.616 | 202  | 381233   | 30.430    | ng     | 96       |
| 78) Pyrene                  | 12.845 | 202  | 343481   | 21.990    | ng     | 99       |
| 81) Benzo(a)anthracene      | 14.033 | 228  | 219362   | 15.942    | ng     | 98       |
| 83) Chrysene                | 14.069 | 228  | 176778   | 13.465    | ng     | 97       |
| 87) Indeno(1,2,3-cd)pyrene  | 17.045 | 276  | 82713    | 7.076     | ng     | 95       |
| 88) Benzo(b)fluoranthene    | 15.098 | 252  | 318549   | 26.593    | ng     | 97       |
| 89) Benzo(k)fluoranthene    | 15.098 | 252  | 318549   | 26.939    | ng     | 96       |
| 90) Benzo(a)pyrene          | 15.474 | 252  | 164332   | 16.993    | ng     | 99       |
| 91) Dibenzo(a,h)anthracene  | 17.051 | 278  | 20110    | 2.125     | ng     | # 71     |
| 92) Benzo(g,h,i)perylene    | 17.504 | 276  | 77426    | 8.080     | ng     | 98       |
| -----                       |        |      |          |           |        |          |

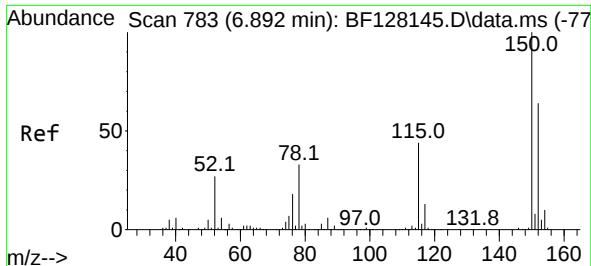
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF050922.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu May 19 06:47:51 2022  
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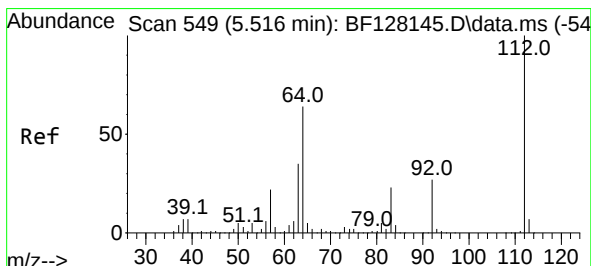
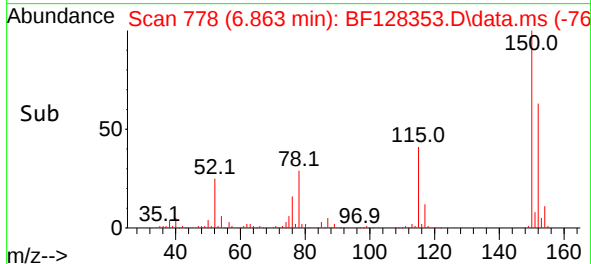
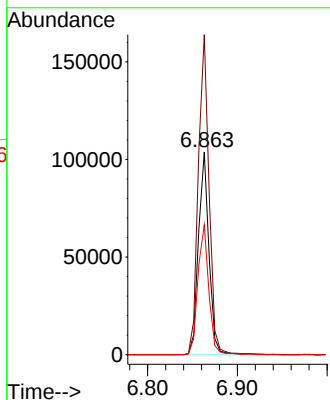
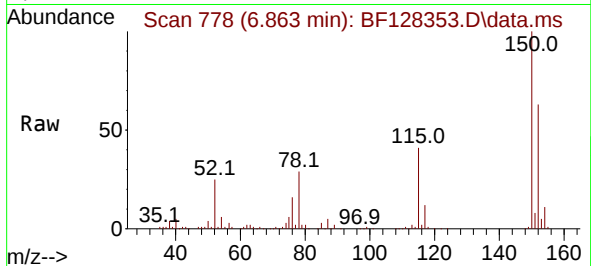




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.863 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF128353.D  
Acq: 19 May 2022 23:22

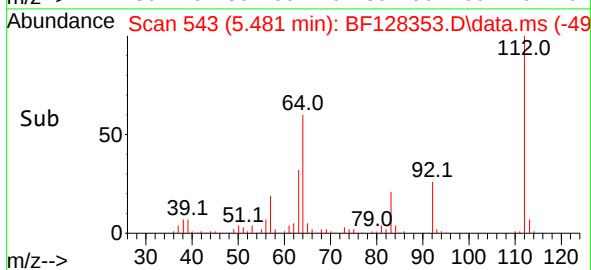
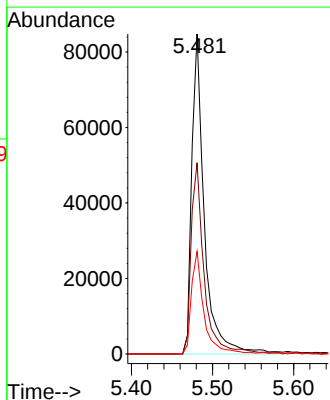
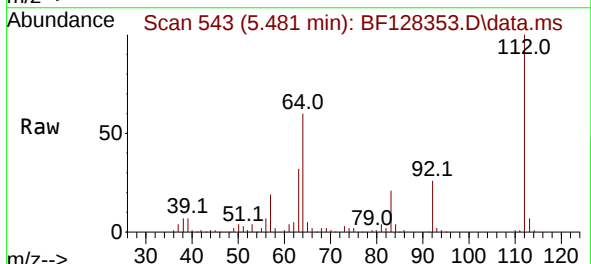
Instrument :  
BNA\_F  
ClientSampleId :  
EO-02-051722DL

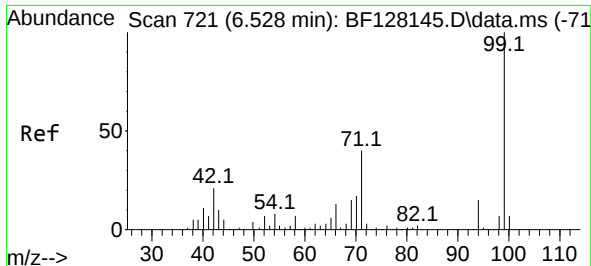
Tgt Ion:152 Resp: 84759  
Ion Ratio Lower Upper  
152 100  
150 157.9 125.3 187.9  
115 64.1 48.8 73.2



#5  
2-Fluorophenol  
Concen: 17.252 ng  
RT: 5.481 min Scan# 543  
Delta R.T. -0.012 min  
Lab File: BF128353.D  
Acq: 19 May 2022 23:22

Tgt Ion:112 Resp: 91725  
Ion Ratio Lower Upper  
112 100  
64 59.7 49.5 74.3  
63 32.1 26.3 39.5

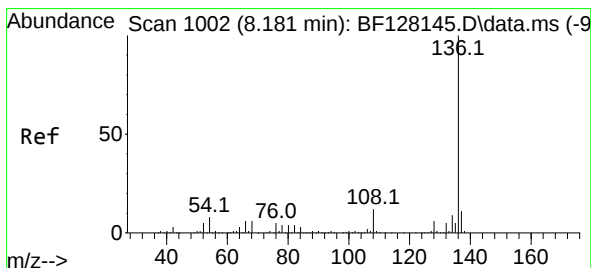
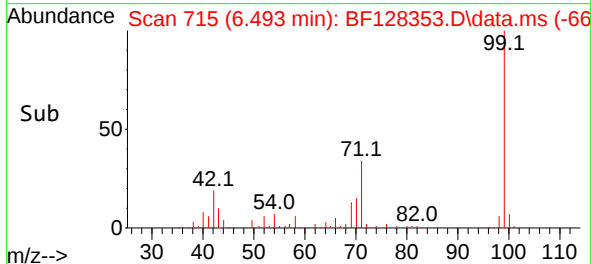
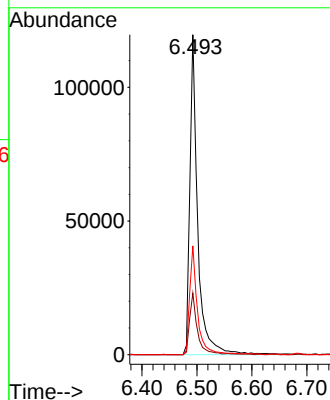
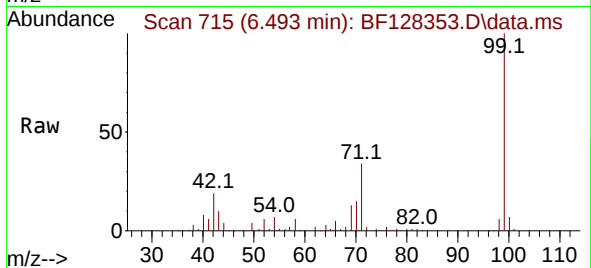




#7  
Phenol-d6  
Concen: 16.905 ng  
RT: 6.493 min Scan# 71  
Delta R.T. -0.017 min  
Lab File: BF128353.D  
Acq: 19 May 2022 23:22

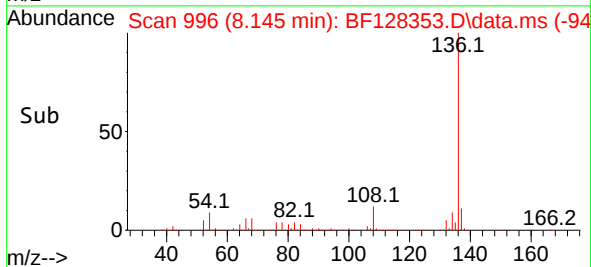
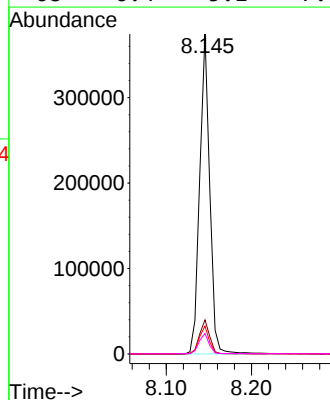
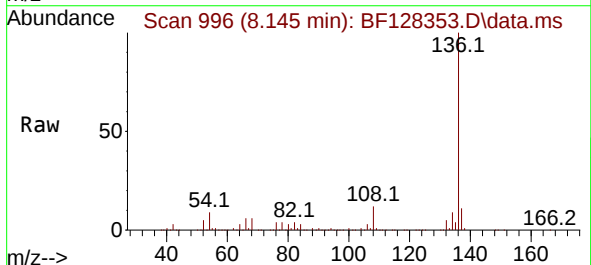
Instrument :  
BNA\_F  
ClientSampleId :  
EO-02-051722DL

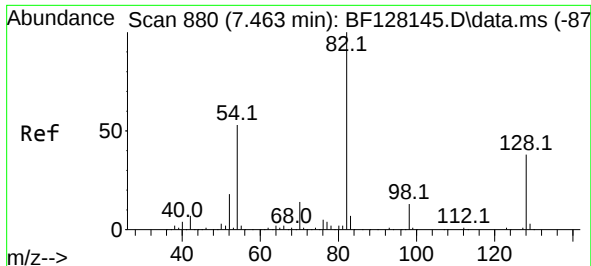
Tgt Ion: 99 Resp: 118881  
Ion Ratio Lower Upper  
99 100  
42 19.3 16.6 24.8  
71 34.0 30.0 45.0



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.145 min Scan# 996  
Delta R.T. -0.012 min  
Lab File: BF128353.D  
Acq: 19 May 2022 23:22

Tgt Ion:136 Resp: 307412  
Ion Ratio Lower Upper  
136 100  
137 10.7 8.6 13.0  
54 8.7 6.8 10.2  
68 6.4 5.1 7.7

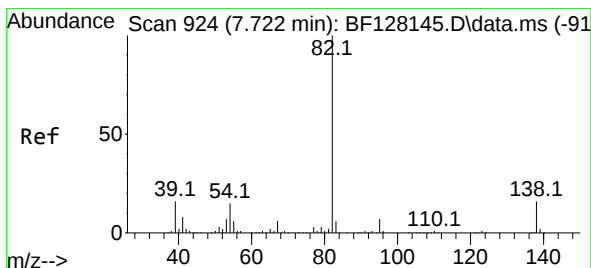
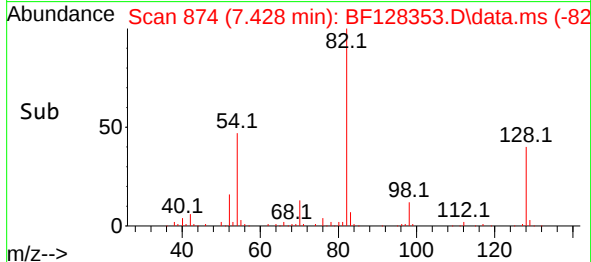
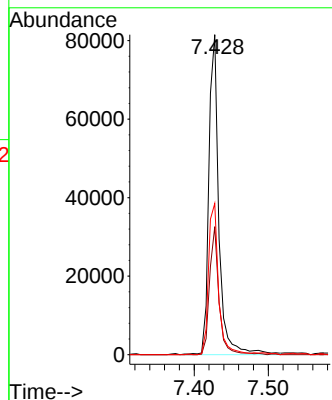
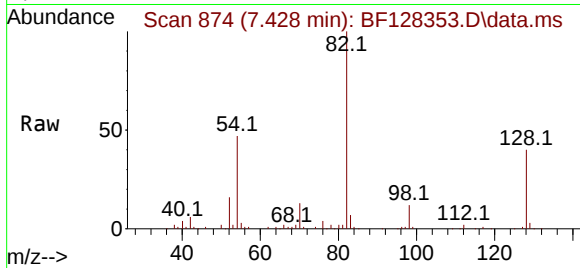




#23  
Nitrobenzene-d5  
Concen: 11.272 ng  
RT: 7.428 min Scan# 81  
Delta R.T. -0.017 min  
Lab File: BF128353.D  
Acq: 19 May 2022 23:22

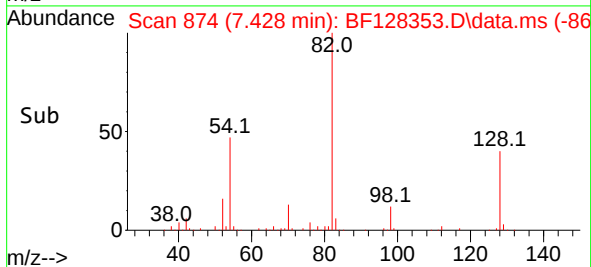
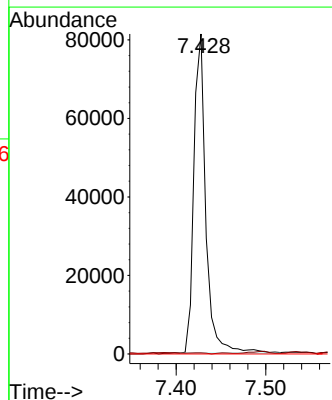
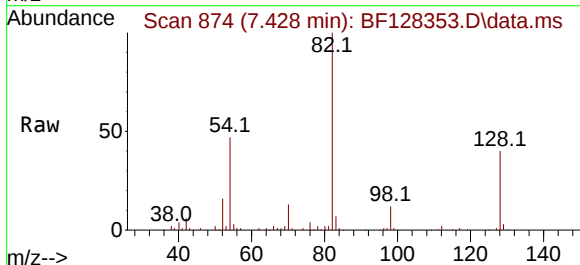
Instrument :  
BNA\_F  
ClientSampleId :  
EO-02-051722DL

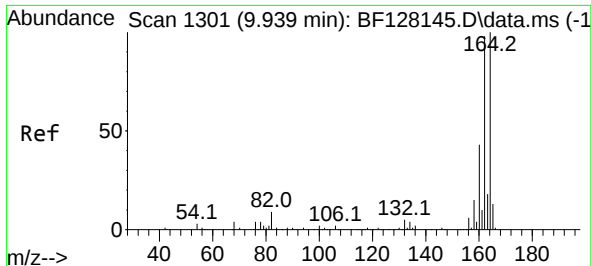
Tgt Ion: 82 Resp: 77007  
Ion Ratio Lower Upper  
82 100  
128 40.0 30.0 45.0  
54 47.3 41.3 61.9



#25  
Isophorone  
Concen: 7.034 ng  
RT: 7.428 min Scan# 874  
Delta R.T. -0.270 min  
Lab File: BF128353.D  
Acq: 19 May 2022 23:22

Tgt Ion: 82 Resp: 75335  
Ion Ratio Lower Upper  
82 100  
95 0.4 5.6 8.4#  
138 0.0 12.5 18.7#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.904 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF128353.D

Acq: 19 May 2022 23:22

Instrument :

BNA\_F

ClientSampleId :

EO-02-051722DL

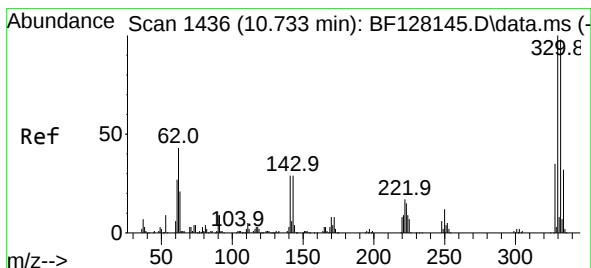
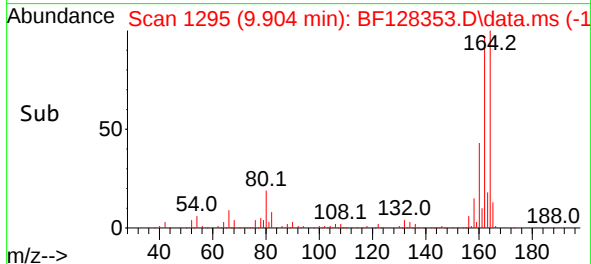
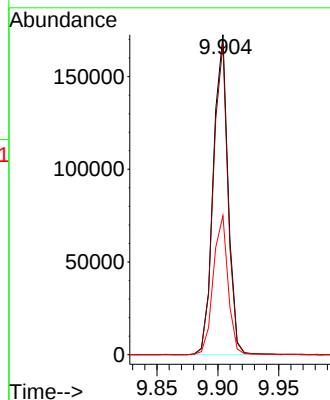
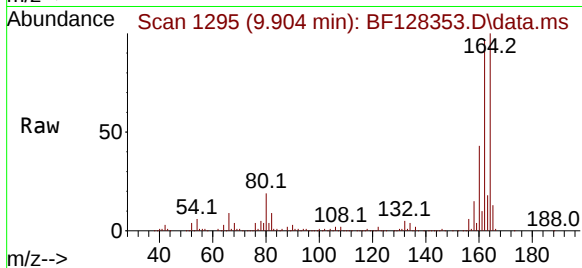
Tgt Ion:164 Resp: 145800

Ion Ratio Lower Upper

164 100

162 97.1 76.0 114.0

160 43.5 34.8 52.2



#42

2,4,6-Tribromophenol

Concen: 12.370 ng

RT: 10.698 min Scan# 1430

Delta R.T. -0.012 min

Lab File: BF128353.D

Acq: 19 May 2022 23:22

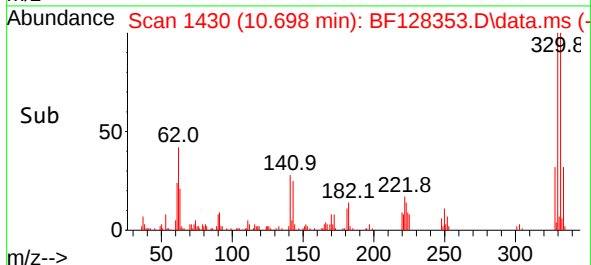
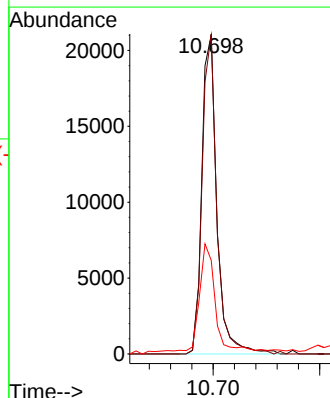
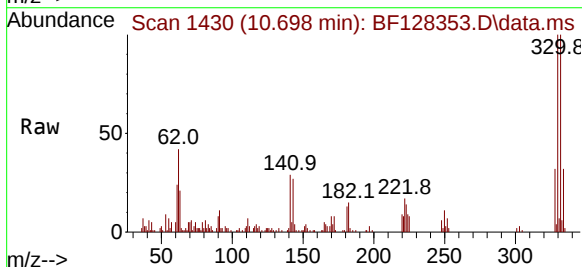
Tgt Ion:330 Resp: 20685

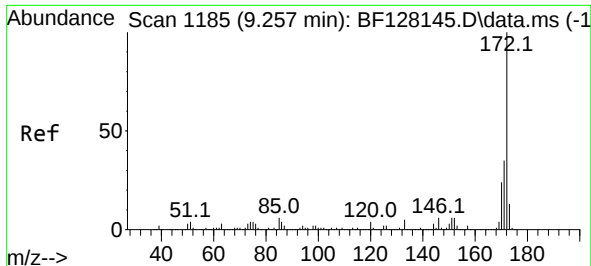
Ion Ratio Lower Upper

330 100

332 97.6 79.0 118.4

141 41.5 28.9 43.3





#45

2-Fluorobiphenyl

Concen: 13.149 ng

RT: 9.216 min Scan# 1185

Delta R.T. -0.017 min

Lab File: BF128353.D

Acq: 19 May 2022 23:22

Instrument :

BNA\_F

ClientSampleId :

EO-02-051722DL

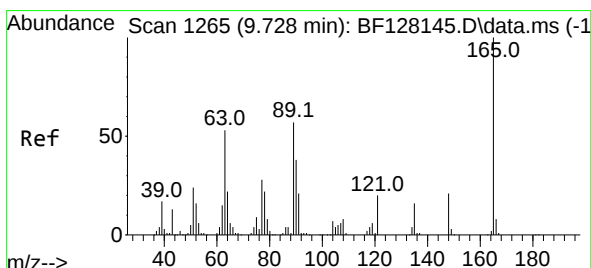
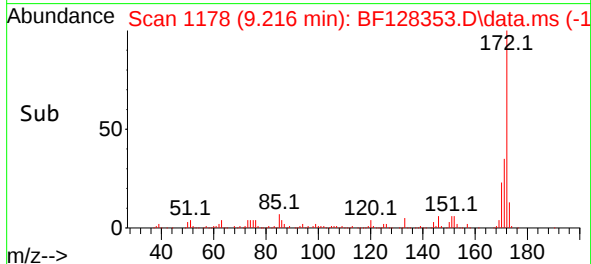
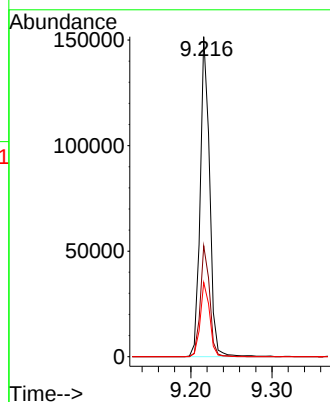
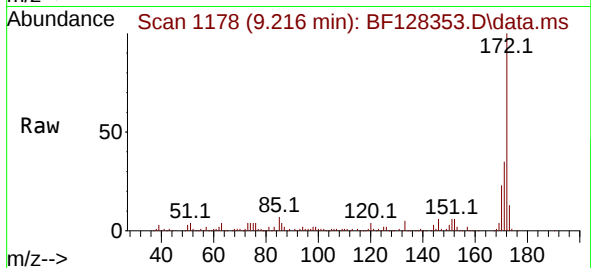
Tgt Ion:172 Resp: 122525

Ion Ratio Lower Upper

172 100

171 34.7 28.6 42.8

170 23.2 19.1 28.7



#51

2,6-Dinitrotoluene

Concen: 9.630 ng

RT: 9.904 min Scan# 1295

Delta R.T. 0.200 min

Lab File: BF128353.D

Acq: 19 May 2022 23:22

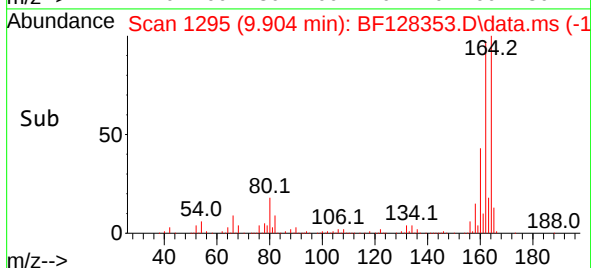
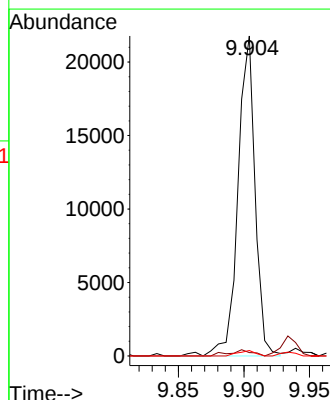
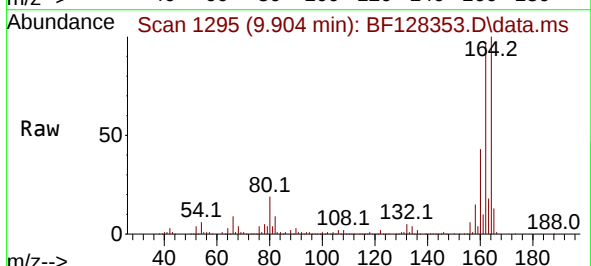
Tgt Ion:165 Resp: 19876

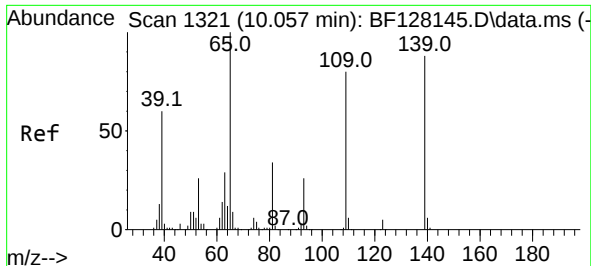
Ion Ratio Lower Upper

165 100

63 1.1 49.5 74.3#

89 1.7 49.0 73.4#

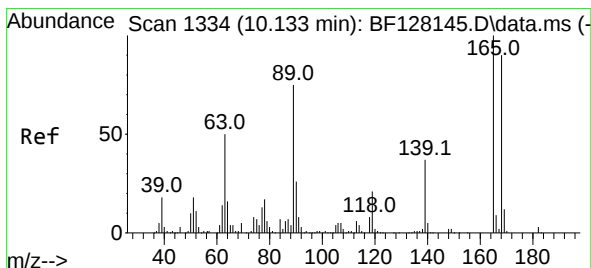
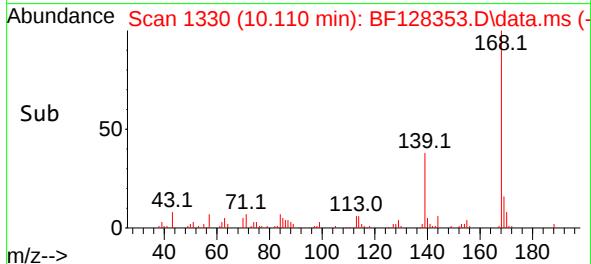
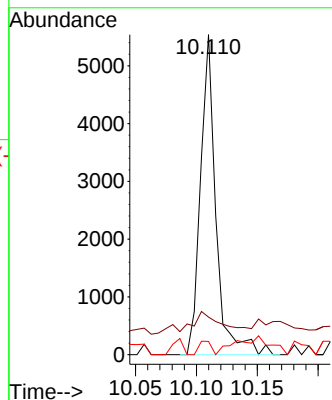
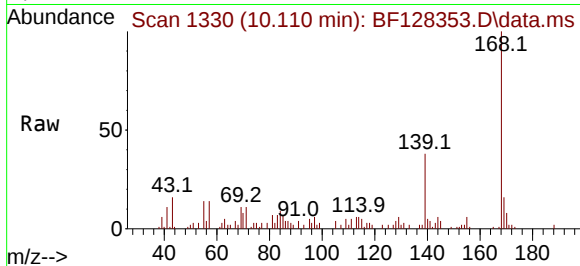




#56  
4-Nitrophenol  
Concen: 3.131 ng  
RT: 10.110 min Scan# 11  
Delta R.T. 0.065 min  
Lab File: BF128353.D  
Acq: 19 May 2022 23:22

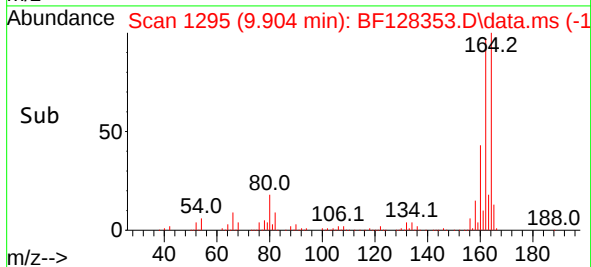
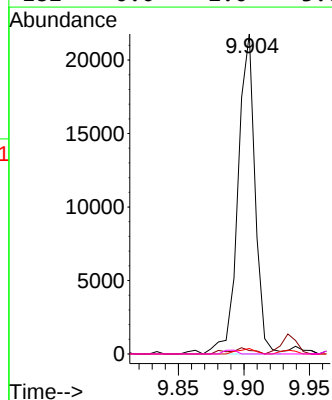
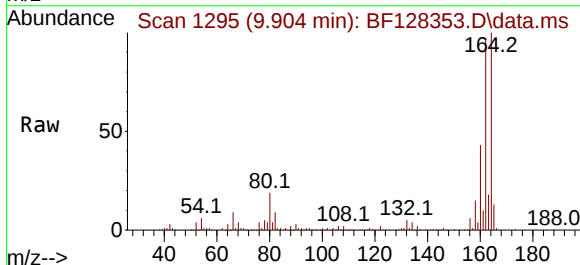
Instrument :  
BNA\_F  
ClientSampleId :  
EO-02-051722DL

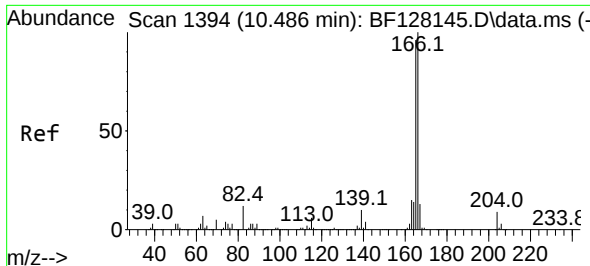
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Ion Ratio Lower Upper  
139 100  
109 11.8 61.9 101.9#  
65 4.2 93.5 133.5#



#57  
2,4-Dinitrotoluene  
Concen: 7.202 ng  
RT: 9.904 min Scan# 1295  
Delta R.T. -0.212 min  
Lab File: BF128353.D  
Acq: 19 May 2022 23:22

Tgt Ion:165 Resp: 19876  
Ion Ratio Lower Upper  
165 100  
63 1.1 32.6 49.0#  
89 1.7 55.2 82.8#  
182 0.0 2.0 3.0#

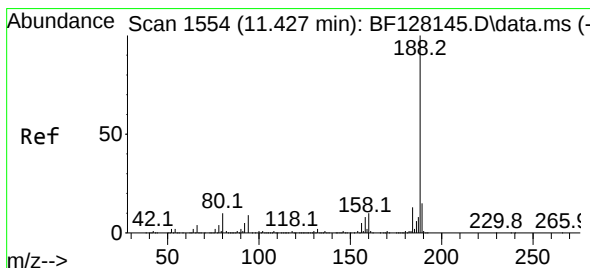
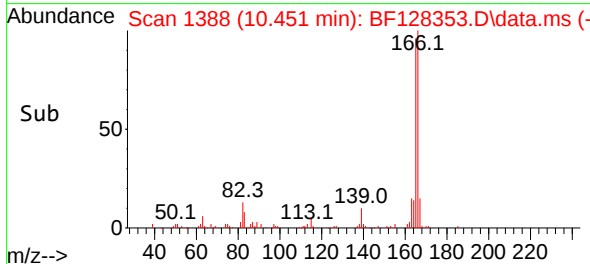
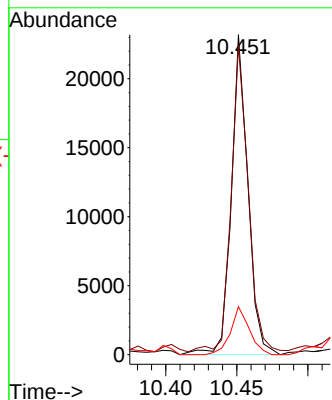
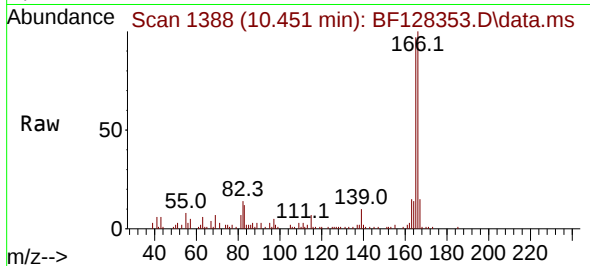




#58  
Fluorene  
Concen: 2.063 ng  
RT: 10.451 min Scan# 11  
Delta R.T. -0.017 min  
Lab File: BF128353.D  
Acq: 19 May 2022 23:22

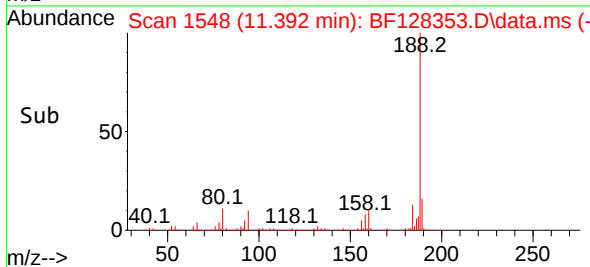
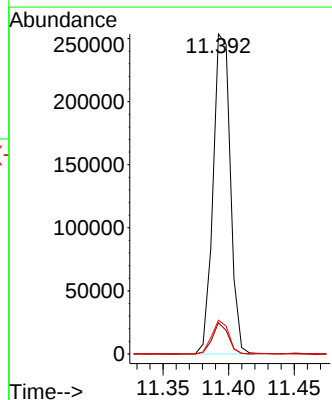
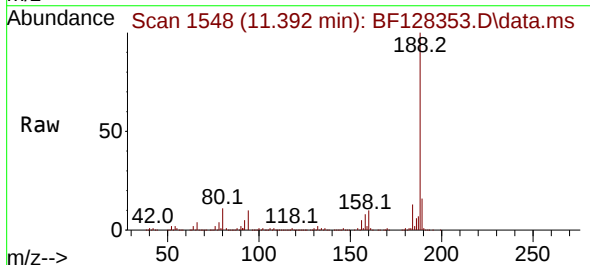
Instrument :  
BNA\_F  
ClientSampleId :  
EO-02-051722DL

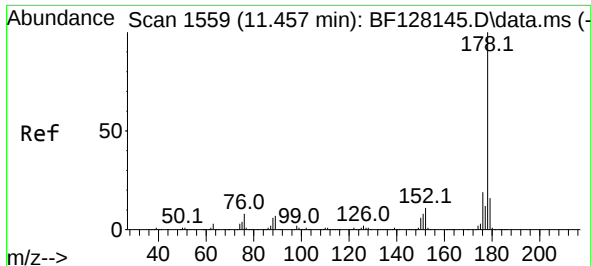
Tgt Ion:166 Resp: 18827  
Ion Ratio Lower Upper  
166 100  
165 96.7 78.6 117.8  
167 15.0 10.5 15.7



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.392 min Scan# 1548  
Delta R.T. -0.012 min  
Lab File: BF128353.D  
Acq: 19 May 2022 23:22

Tgt Ion:188 Resp: 232068  
Ion Ratio Lower Upper  
188 100  
94 9.7 8.0 12.0  
80 10.5 8.9 13.3

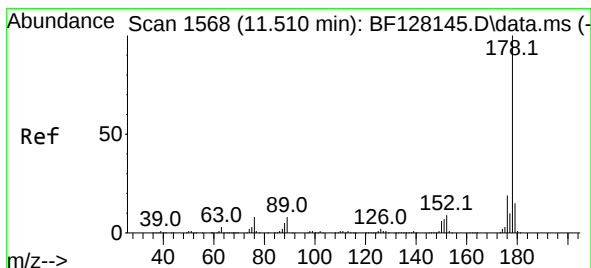
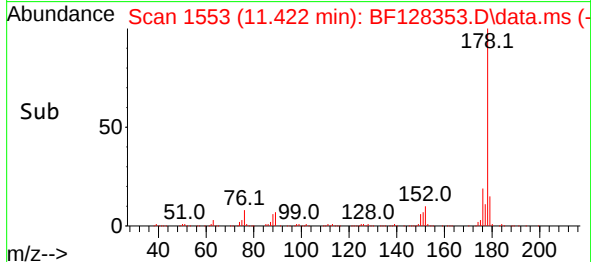
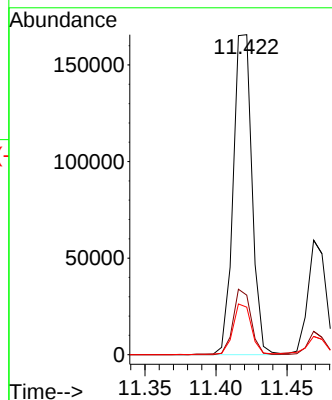
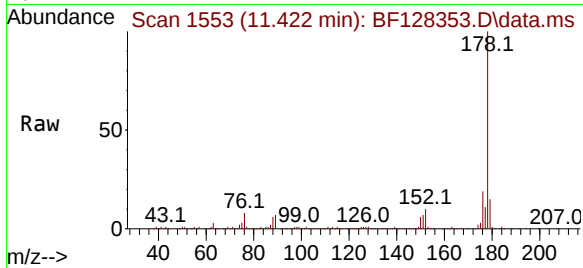




#71  
Phenanthrene  
Concen: 13.251 ng  
RT: 11.422 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF128353.D  
Acq: 19 May 2022 23:22

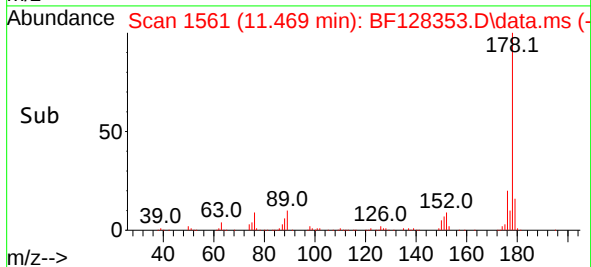
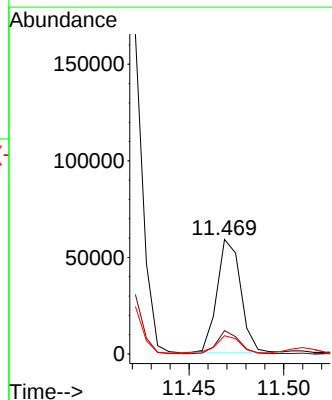
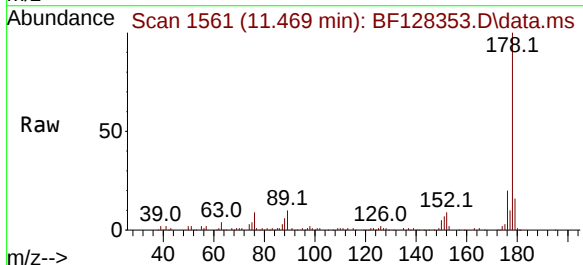
Instrument :  
BNA\_F  
ClientSampleId :  
EO-02-051722DL

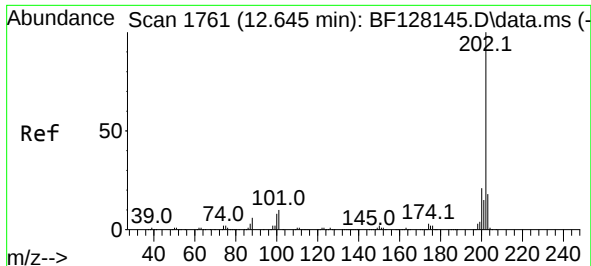
Tgt Ion:178 Resp: 153125  
Ion Ratio Lower Upper  
178 100  
176 18.6 15.7 23.5  
179 14.8 12.6 19.0



#72  
Anthracene  
Concen: 4.472 ng  
RT: 11.469 min Scan# 1561  
Delta R.T. -0.017 min  
Lab File: BF128353.D  
Acq: 19 May 2022 23:22

Tgt Ion:178 Resp: 51592  
Ion Ratio Lower Upper  
178 100  
176 20.4 15.0 22.6  
179 15.9 12.4 18.6

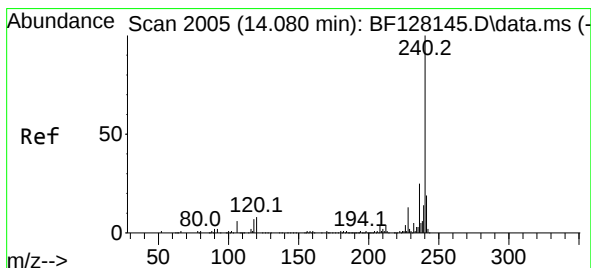
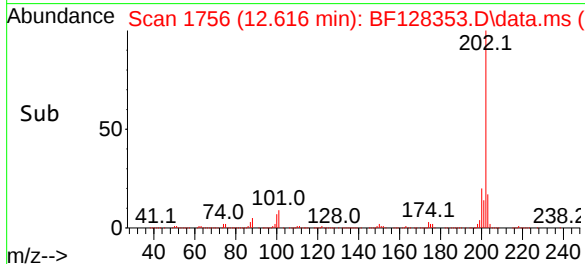
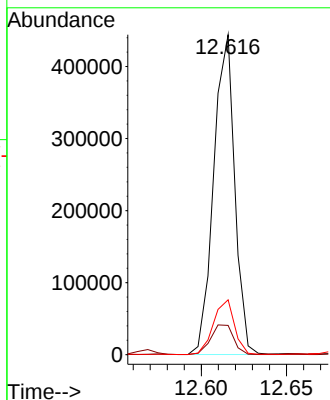
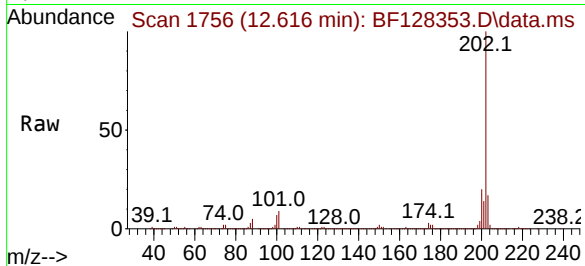




#75  
Fluoranthene  
Concen: 30.430 ng  
RT: 12.616 min Scan# 1  
Delta R.T. -0.006 min  
Lab File: BF128353.D  
Acq: 19 May 2022 23:22

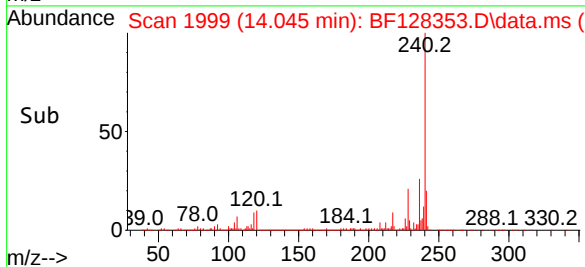
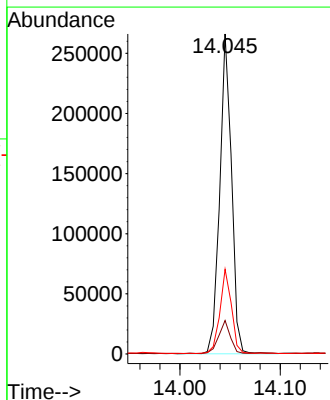
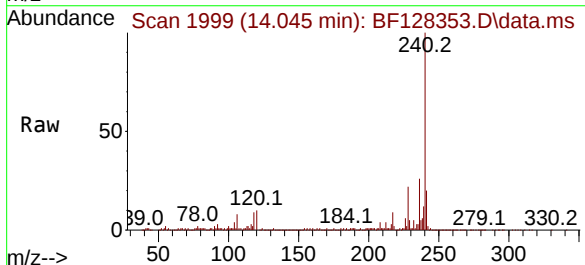
Instrument :  
BNA\_F  
ClientSampleId :  
EO-02-051722DL

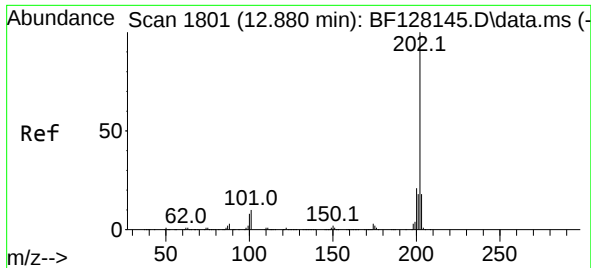
Tgt Ion:202 Resp: 381233  
Ion Ratio Lower Upper  
202 100  
101 9.2 0.0 31.6  
203 17.1 0.0 38.1



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.045 min Scan# 1999  
Delta R.T. -0.012 min  
Lab File: BF128353.D  
Acq: 19 May 2022 23:22

Tgt Ion:240 Resp: 215421  
Ion Ratio Lower Upper  
240 100  
120 10.4 7.0 10.6  
236 26.4 20.3 30.5

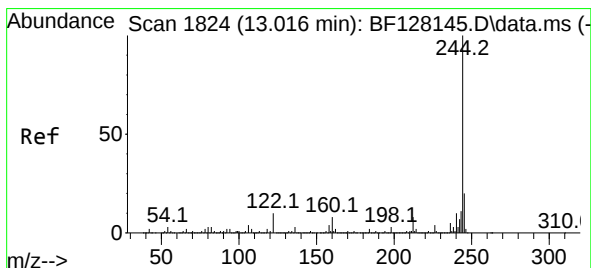
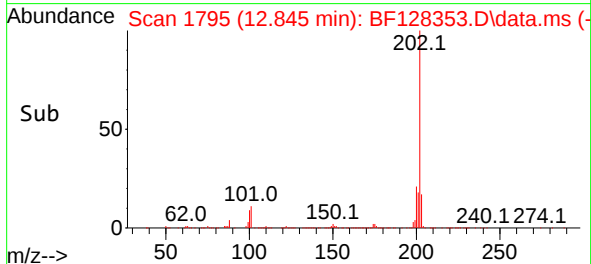
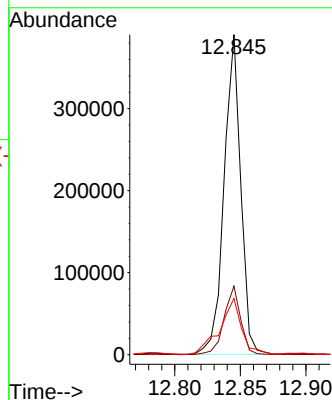
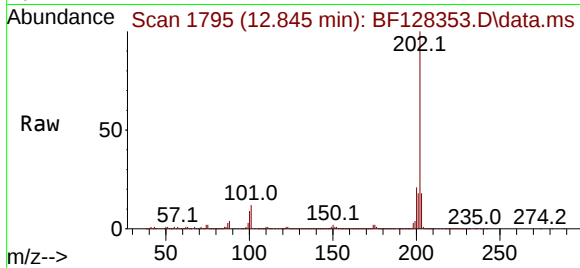




#78  
Pyrene  
Concen: 21.990 ng  
RT: 12.845 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF128353.D  
Acq: 19 May 2022 23:22

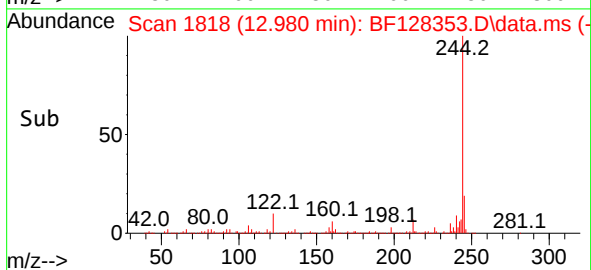
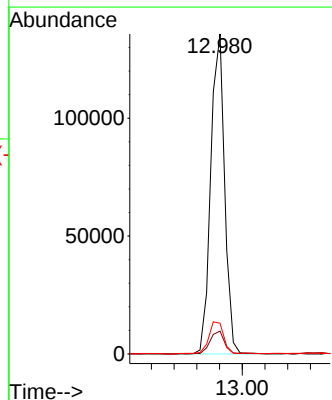
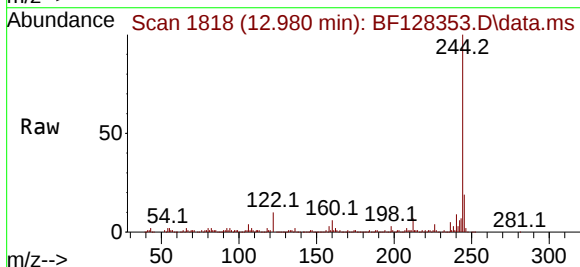
Instrument :  
BNA\_F  
ClientSampleId :  
EO-02-051722DL

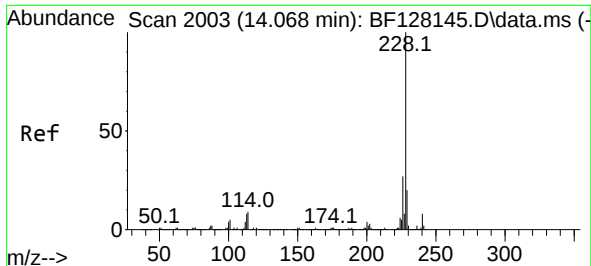
Tgt Ion:202 Resp: 343481  
Ion Ratio Lower Upper  
202 100  
200 21.4 17.4 26.2  
203 17.5 14.0 21.0



#79  
Terphenyl-d14  
Concen: 9.987 ng  
RT: 12.980 min Scan# 1818  
Delta R.T. -0.012 min  
Lab File: BF128353.D  
Acq: 19 May 2022 23:22

Tgt Ion:244 Resp: 114660  
Ion Ratio Lower Upper  
244 100  
212 7.2 6.2 9.4  
122 9.6 8.6 12.8

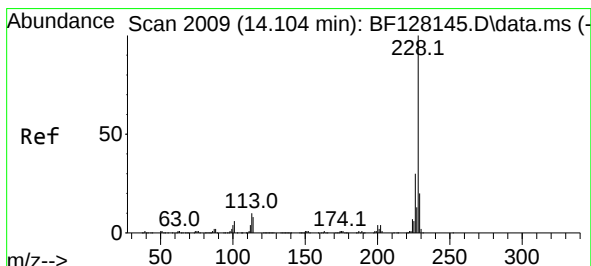
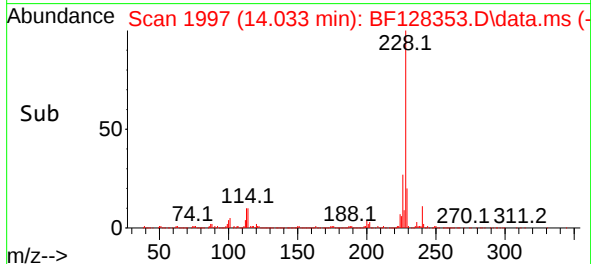
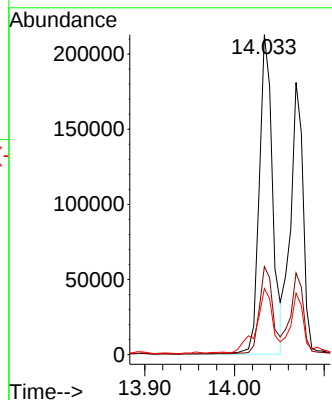
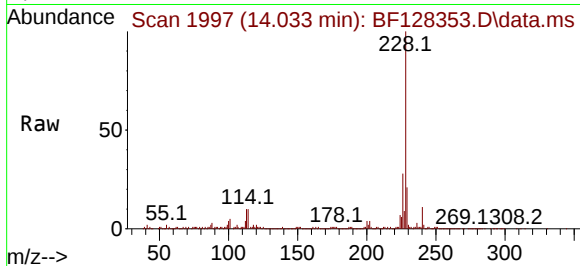




#81  
Benzo(a)anthracene  
Concen: 15.942 ng  
RT: 14.033 min Scan# 1997  
Delta R.T. -0.012 min  
Lab File: BF128353.D  
Acq: 19 May 2022 23:22

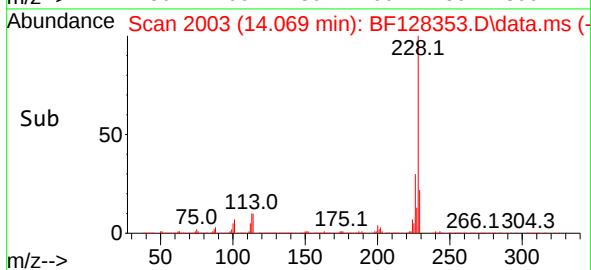
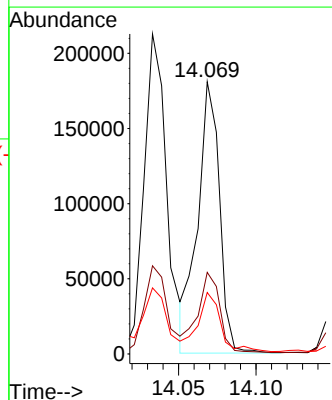
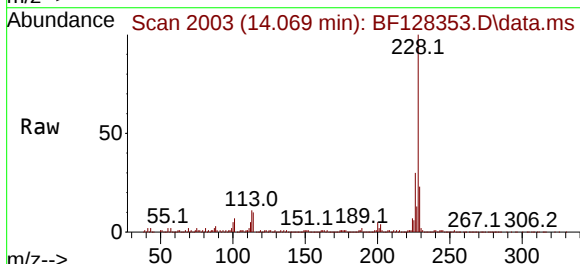
Instrument :  
BNA\_F  
ClientSampleId :  
EO-02-051722DL

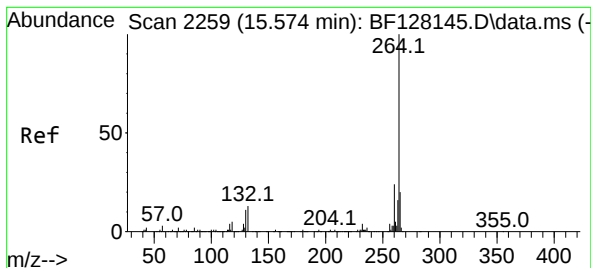
Tgt Ion:228 Resp: 219362  
Ion Ratio Lower Upper  
228 100  
226 27.6 21.7 32.5  
229 20.7 15.4 23.2



#83  
Chrysene  
Concen: 13.465 ng  
RT: 14.069 min Scan# 2003  
Delta R.T. -0.012 min  
Lab File: BF128353.D  
Acq: 19 May 2022 23:22

Tgt Ion:228 Resp: 176778  
Ion Ratio Lower Upper  
228 100  
226 30.0 24.4 36.6  
229 22.6 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF128353.D

Acq: 19 May 2022 23:22

Instrument :

BNA\_F

ClientSampleId :

EO-02-051722DL

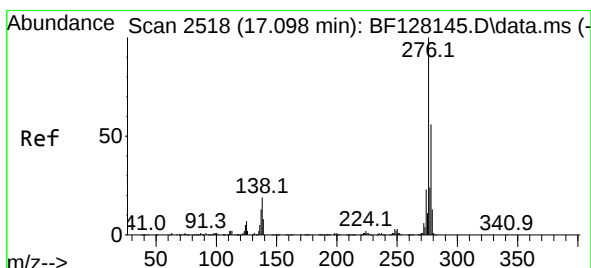
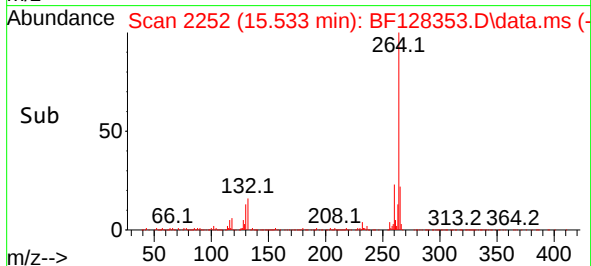
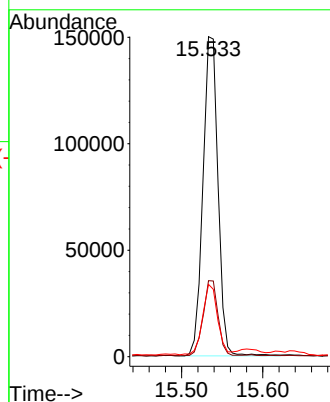
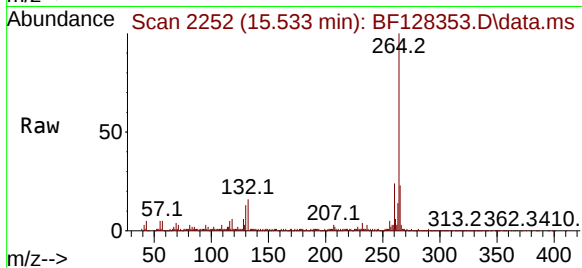
Tgt Ion:264 Resp: 193240

Ion Ratio Lower Upper

264 100

260 23.7 20.1 30.1

265 22.6 17.5 26.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 7.076 ng

RT: 17.045 min Scan# 2509

Delta R.T. -0.017 min

Lab File: BF128353.D

Acq: 19 May 2022 23:22

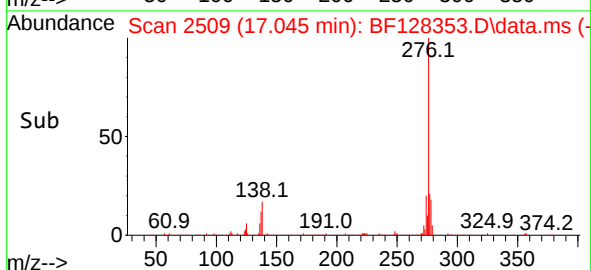
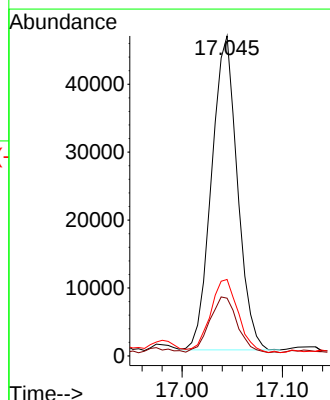
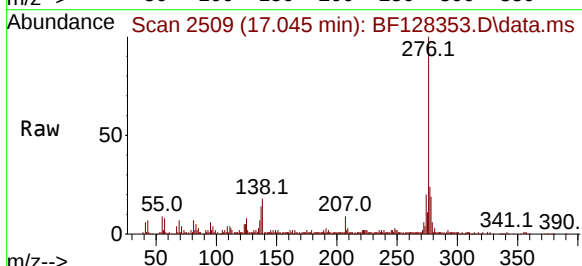
Tgt Ion:276 Resp: 82713

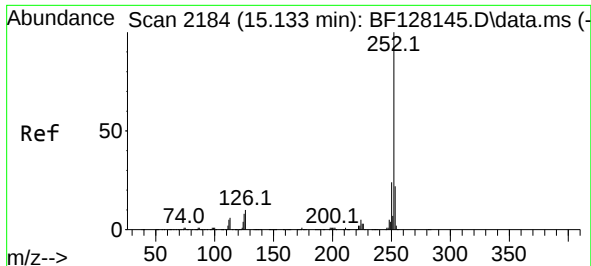
Ion Ratio Lower Upper

276 100

138 19.1 19.0 28.4

277 25.2 20.1 30.1

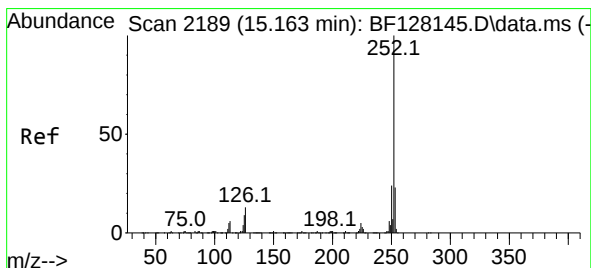
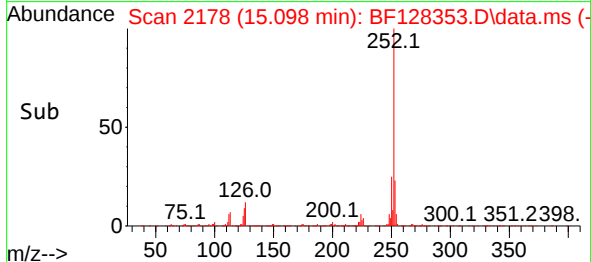
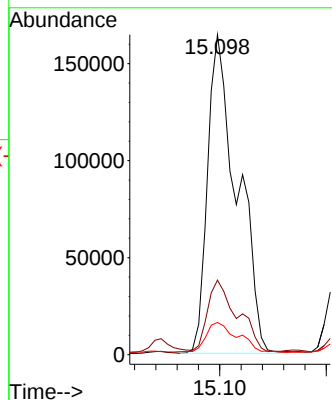
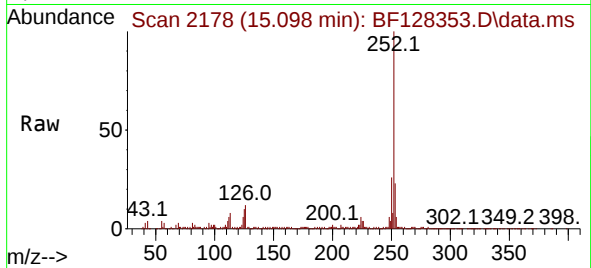




#88  
Benzo(b)fluoranthene  
Concen: 26.593 ng  
RT: 15.098 min Scan# 2184  
Delta R.T. -0.006 min  
Lab File: BF128353.D  
Acq: 19 May 2022 23:22

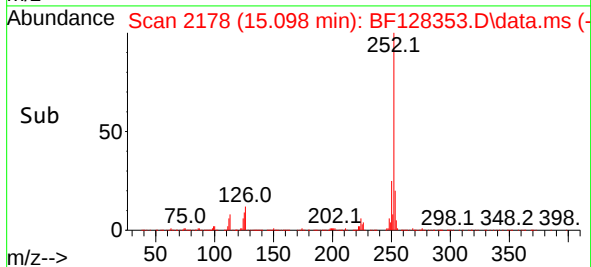
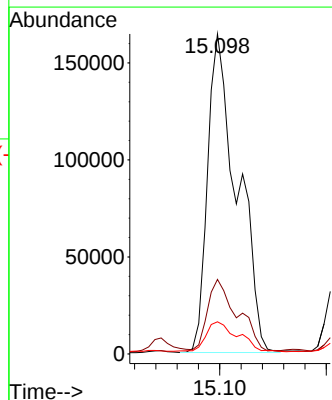
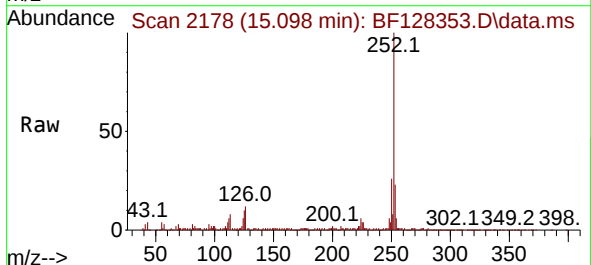
Instrument :  
BNA\_F  
ClientSampleId :  
EO-02-051722DL

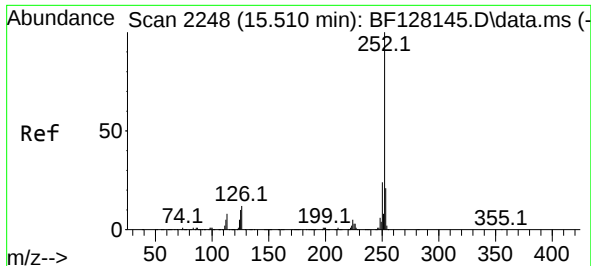
Tgt Ion:252 Resp: 318549  
Ion Ratio Lower Upper  
252 100  
253 23.3 17.4 26.2  
125 10.0 7.4 11.2



#89  
Benzo(k)fluoranthene  
Concen: 26.939 ng  
RT: 15.098 min Scan# 2178  
Delta R.T. -0.035 min  
Lab File: BF128353.D  
Acq: 19 May 2022 23:22

Tgt Ion:252 Resp: 318549  
Ion Ratio Lower Upper  
252 100  
253 23.3 17.0 25.4  
125 10.0 6.8 10.2

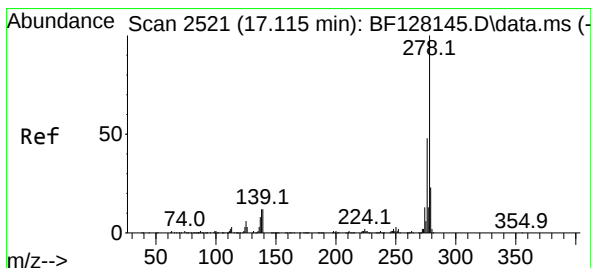
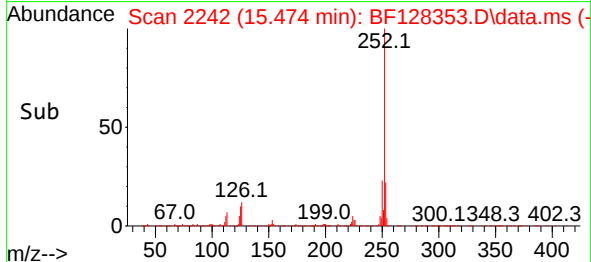
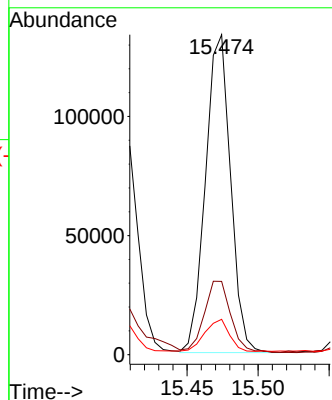
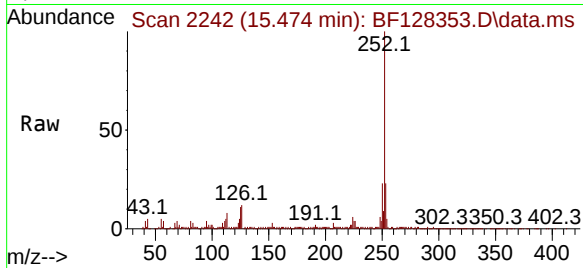




#90  
Benzo(a)pyrene  
Concen: 16.993 ng  
RT: 15.474 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BF128353.D  
Acq: 19 May 2022 23:22

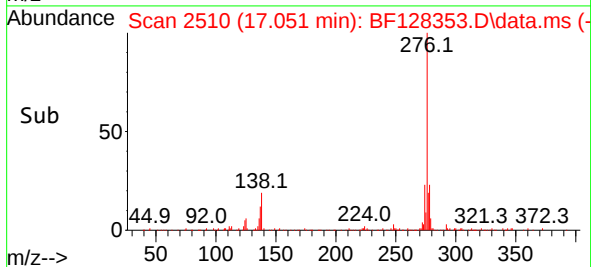
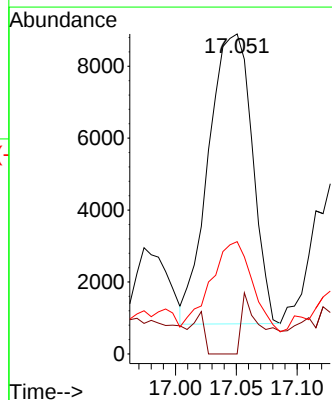
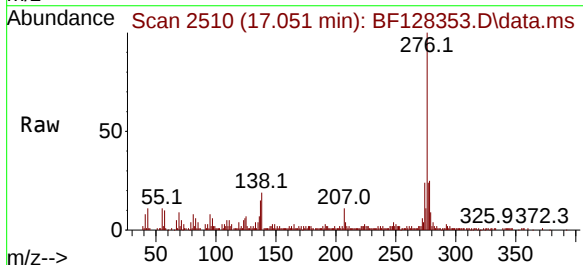
Instrument :  
BNA\_F  
ClientSampleId :  
EO-02-051722DL

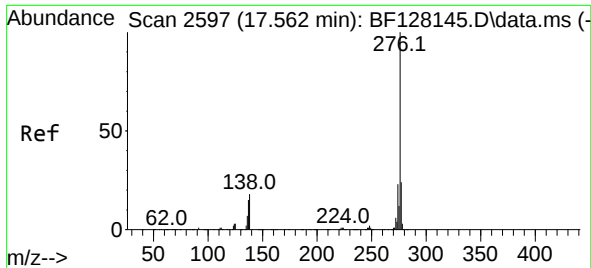
Tgt Ion:252 Resp: 164332  
Ion Ratio Lower Upper  
252 100  
253 22.9 17.8 26.6  
125 11.1 9.2 13.8



#91  
Dibenzo(a,h)anthracene  
Concen: 2.125 ng  
RT: 17.051 min Scan# 2510  
Delta R.T. -0.023 min  
Lab File: BF128353.D  
Acq: 19 May 2022 23:22

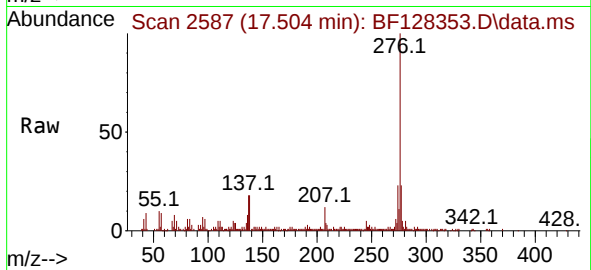
Tgt Ion:278 Resp: 20110  
Ion Ratio Lower Upper  
278 100  
139 0.0 12.6 19.0#  
279 35.1 18.9 28.3#





#92  
 Benzo(g,h,i)perylene  
 Concen: 8.080 ng  
 RT: 17.504 min Scan# 21  
 Delta R.T. -0.017 min  
 Lab File: BF128353.D  
 Acq: 19 May 2022 23:22

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EO-02-051722DL



Tgt Ion:276 Resp: 77426  
 Ion Ratio Lower Upper  
 276 100  
 277 23.4 18.8 28.2  
 138 18.1 16.2 24.2

