

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF072222\  
 Data File : BF129325.D  
 Acq On : 22 Jul 2022 20:21  
 Operator : CG\JU  
 Sample : N3814-02 5X  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ENV-DE-4(5-10)

Quant Time: Jul 23 01:24:07 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF072022.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 20 13:42:18 2022  
 Response via : Initial Calibration

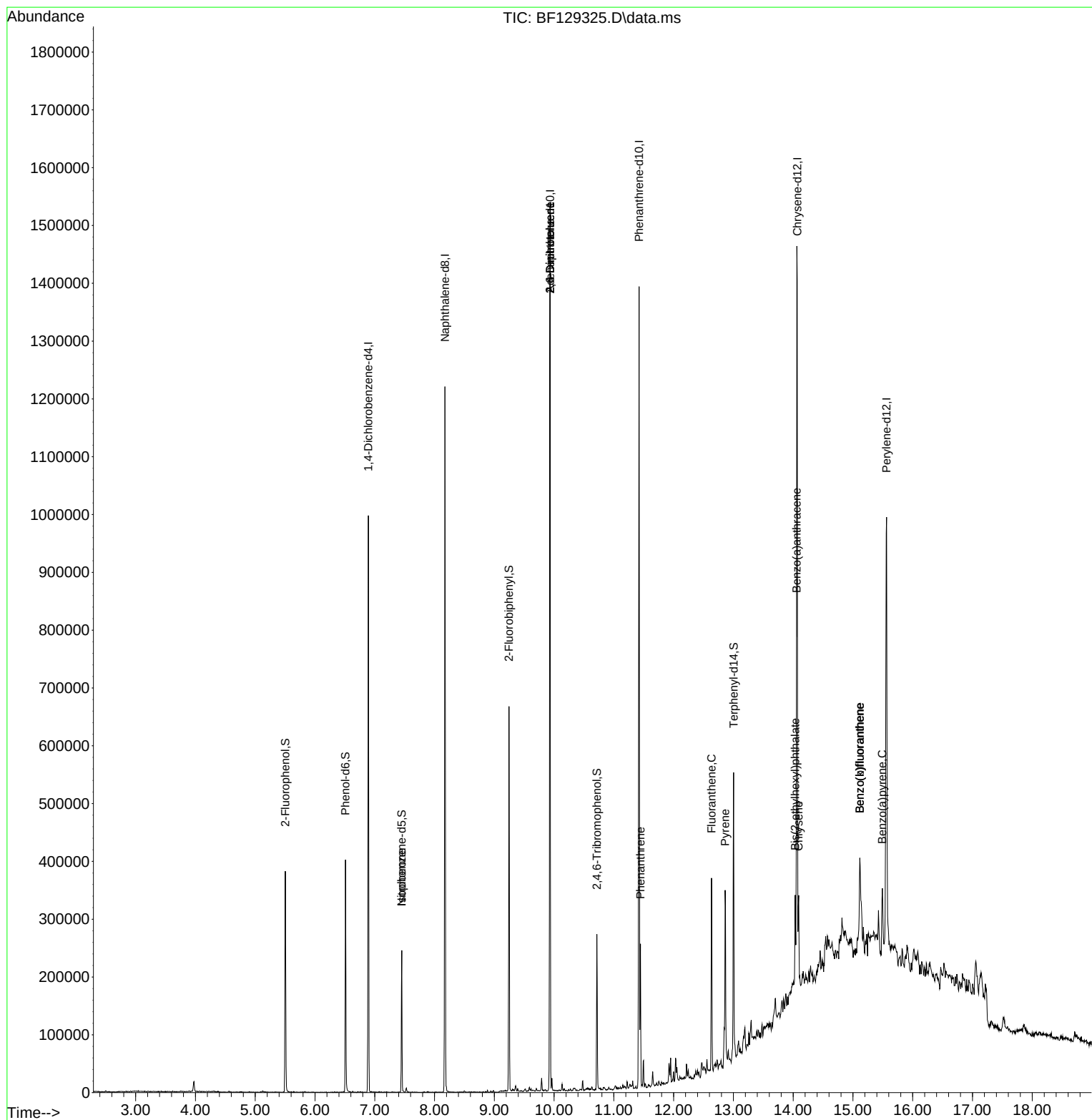
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.892  | 152  | 126411   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.175  | 136  | 446714   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.933  | 164  | 295314   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.422 | 188  | 446051   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.068 | 240  | 425542   | 20.000 | ng    | -0.01    |
| 86) Perylene-d12              | 15.562 | 264  | 331867   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.504  | 112  | 89275    | 11.519 | ng    | -0.01    |
| 7) Phenol-d6                  | 6.510  | 99   | 108372   | 10.969 | ng    | -0.02    |
| 23) Nitrobenzene-d5           | 7.451  | 82   | 67330    | 8.109  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.716 | 330  | 26939    | 9.455  | ng    | -0.02    |
| 45) 2-Fluorobiphenyl          | 9.245  | 172  | 175702   | 9.153  | ng    | -0.01    |
| 79) Terphenyl-d14             | 13.004 | 244  | 154261   | 6.751  | ng    | -0.01    |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 25) Isophorone                | 7.451  | 82   | 67328    | 4.619  | ng    | # 65     |
| 51) 2,6-Dinitrotoluene        | 9.933  | 165  | 37322    | 8.216  | ng    | # 26     |
| 57) 2,4-Dinitrotoluene        | 9.933  | 165  | 37322    | 6.267  | ng    | # 21     |
| 71) Phenanthrene              | 11.445 | 178  | 77441    | 3.163  | ng    | 98       |
| 75) Fluoranthene              | 12.633 | 202  | 117531   | 4.710  | ng    | 99       |
| 78) Pyrene                    | 12.863 | 202  | 120453   | 3.310  | ng    | 97       |
| 81) Benzo(a)anthracene        | 14.057 | 228  | 68461    | 2.336  | ng    | 95       |
| 83) Chrysene                  | 14.092 | 228  | 61579    | 2.226  | ng    | 97       |
| 84) Bis(2-ethylhexyl)phtha... | 14.033 | 149  | 36617    | 2.008  | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 15.115 | 252  | 86565    | 3.919  | ng    | # 93     |
| 89) Benzo(k)fluoranthene      | 15.115 | 252  | 86565    | 4.036  | ng    | # 93     |
| 90) Benzo(a)pyrene            | 15.492 | 252  | 44811    | 2.507  | ng    | # 92     |
| -----                         |        |      |          |        |       |          |

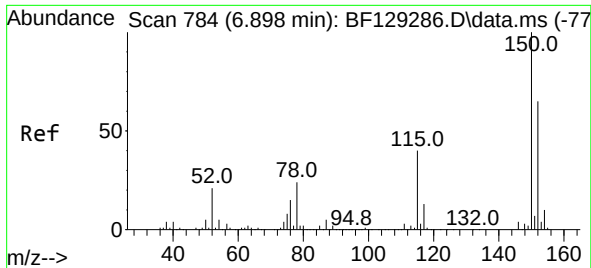
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF072222\  
Data File : BF129325.D  
Acq On : 22 Jul 2022 20:21  
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Sample : N3814-02 5X  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
ENV-DE-4(5-10)

Quant Time: Jul 23 01:24:07 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF072022.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jul 20 13:42:18 2022  
Response via : Initial Calibration

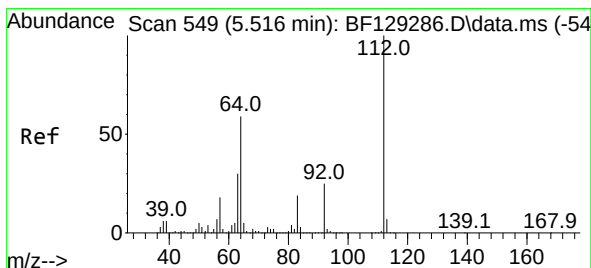
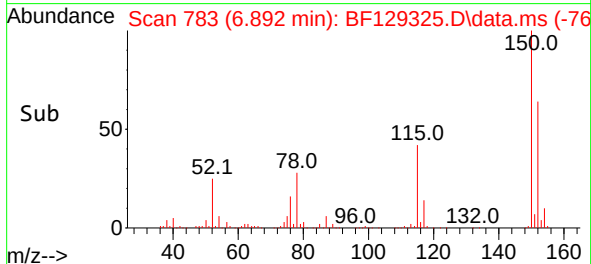
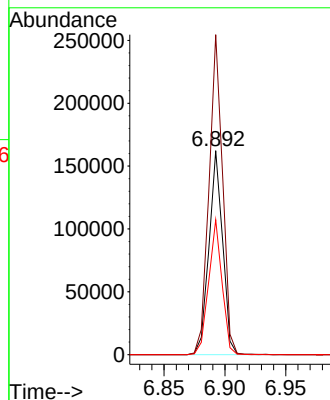
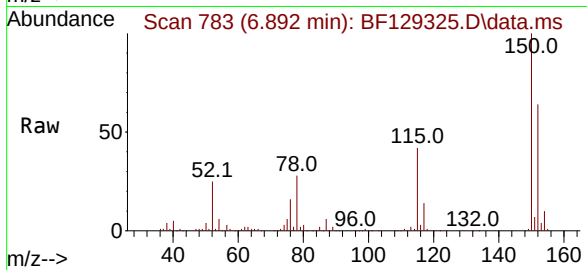




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.892 min Scan# 71  
 Delta R.T. -0.006 min  
 Lab File: BF129325.D  
 Acq: 22 Jul 2022 20:21

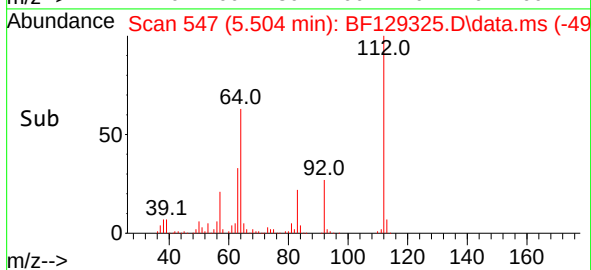
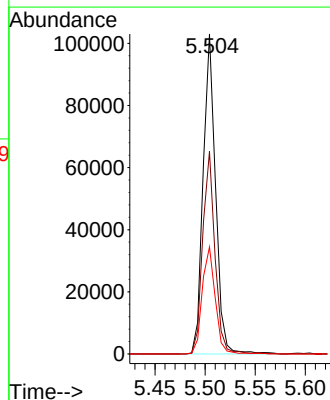
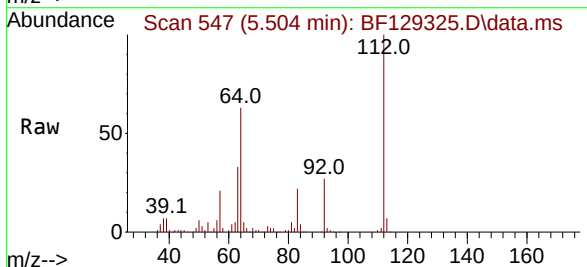
Instrument :  
 BNA\_F  
 ClientSampleId :  
 ENV-DE-4(5-10)

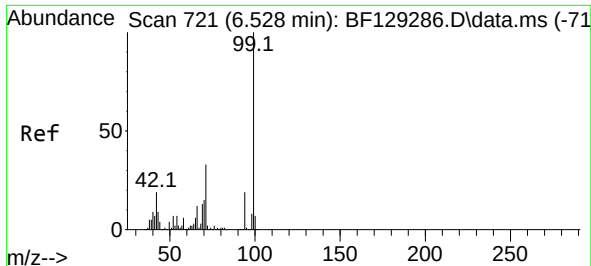
Tgt Ion:152 Resp: 126411  
 Ion Ratio Lower Upper  
 152 100  
 150 156.8 123.7 185.5  
 115 66.1 49.9 74.9



#5  
 2-Fluorophenol  
 Concen: 11.519 ng  
 RT: 5.504 min Scan# 547  
 Delta R.T. -0.012 min  
 Lab File: BF129325.D  
 Acq: 22 Jul 2022 20:21

Tgt Ion:112 Resp: 89275  
 Ion Ratio Lower Upper  
 112 100  
 64 63.3 53.3 79.9  
 63 33.4 28.0 42.0

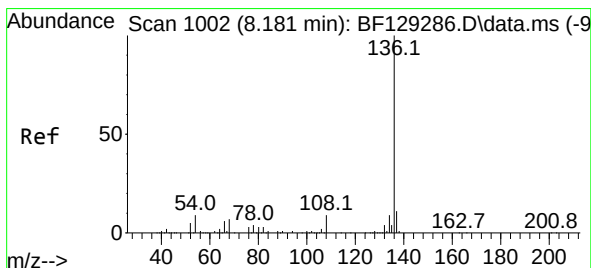
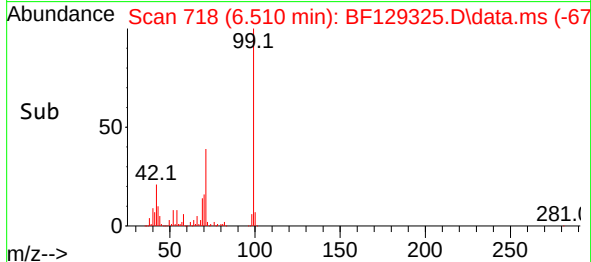
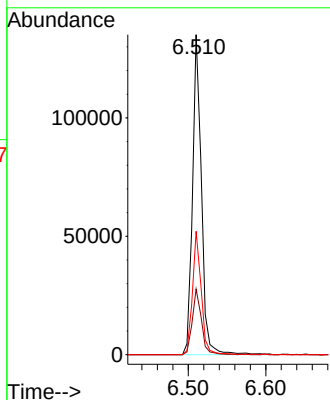
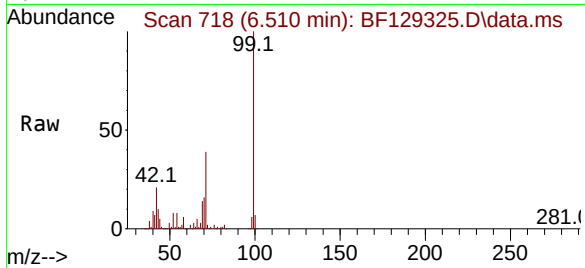




#7  
Phenol-d6  
Concen: 10.969 ng  
RT: 6.510 min Scan# 71  
Delta R.T. -0.018 min  
Lab File: BF129325.D  
Acq: 22 Jul 2022 20:21

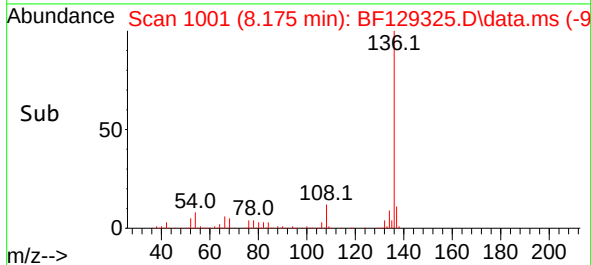
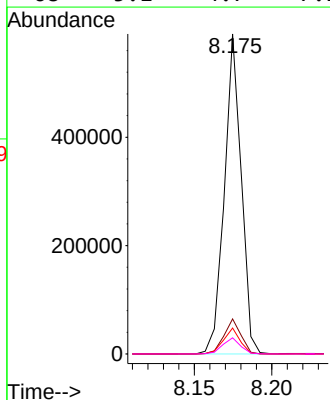
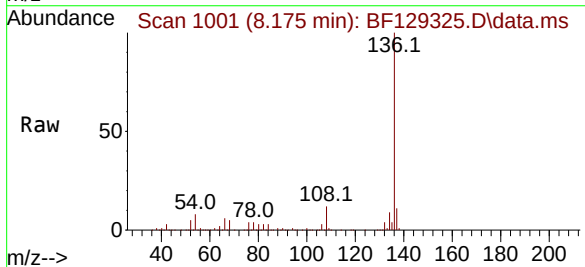
Instrument :  
BNA\_F  
ClientSampleId :  
ENV-DE-4(5-10)

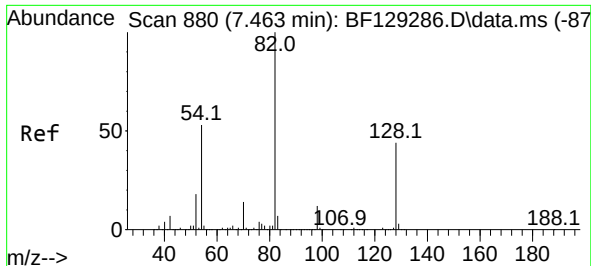
Tgt Ion: 99 Resp: 108372  
Ion Ratio Lower Upper  
99 100  
42 20.5 17.3 25.9  
71 38.6 28.9 43.3



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.175 min Scan# 1001  
Delta R.T. -0.006 min  
Lab File: BF129325.D  
Acq: 22 Jul 2022 20:21

Tgt Ion: 136 Resp: 446714  
Ion Ratio Lower Upper  
136 100  
137 10.9 8.8 13.2  
54 8.1 7.5 11.3  
68 5.1 4.7 7.1

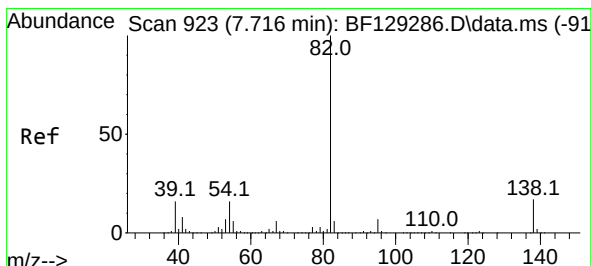
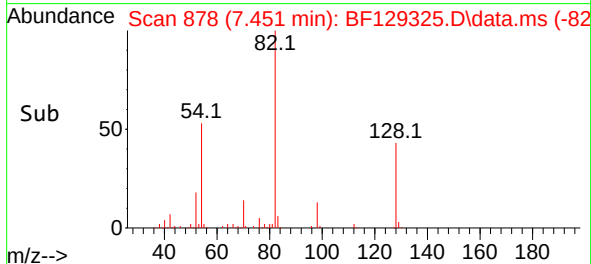
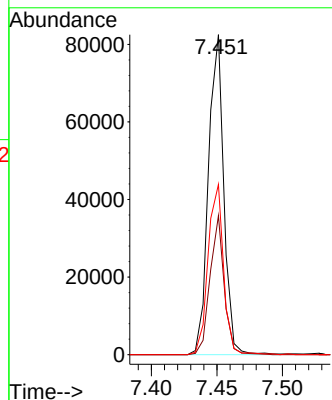
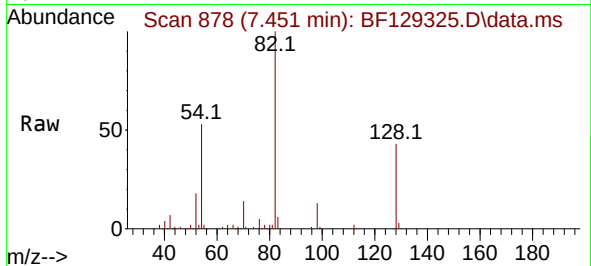




#23  
Nitrobenzene-d5  
Concen: 8.109 ng  
RT: 7.451 min Scan# 81  
Delta R.T. -0.012 min  
Lab File: BF129325.D  
Acq: 22 Jul 2022 20:21

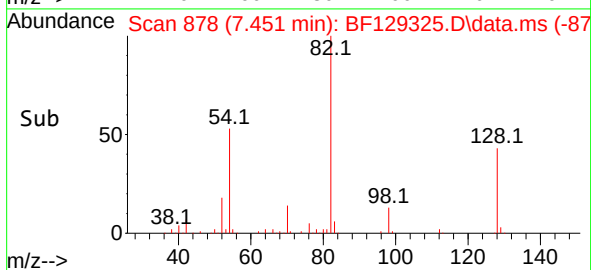
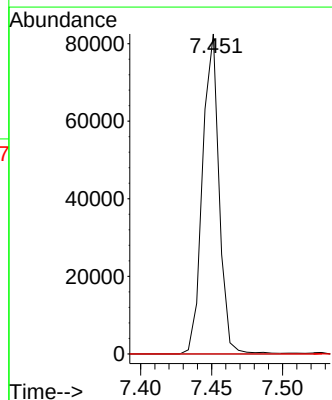
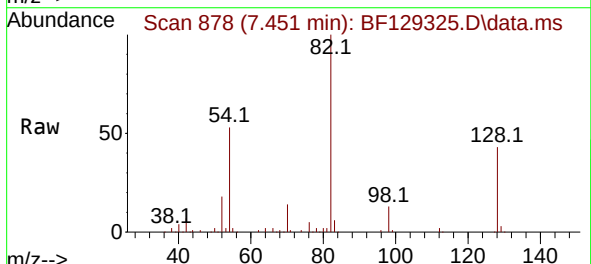
Instrument :  
BNA\_F  
ClientSampleId :  
ENV-DE-4(5-10)

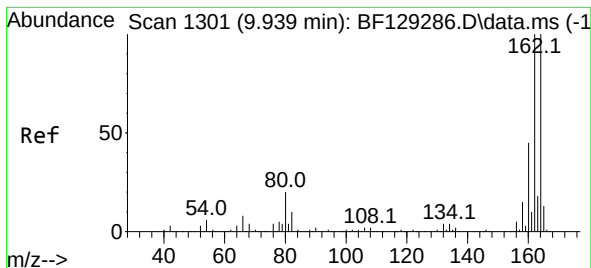
Tgt Ion: 82 Resp: 67330  
Ion Ratio Lower Upper  
82 100  
128 43.4 34.0 51.0  
54 53.2 46.9 70.3



#25  
Isophorone  
Concen: 4.619 ng  
RT: 7.451 min Scan# 878  
Delta R.T. -0.265 min  
Lab File: BF129325.D  
Acq: 22 Jul 2022 20:21

Tgt Ion: 82 Resp: 67328  
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: 9.933 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF129325.D

Acq: 22 Jul 2022 20:21

Instrument :

BNA\_F

ClientSampleId :

ENV-DE-4(5-10)

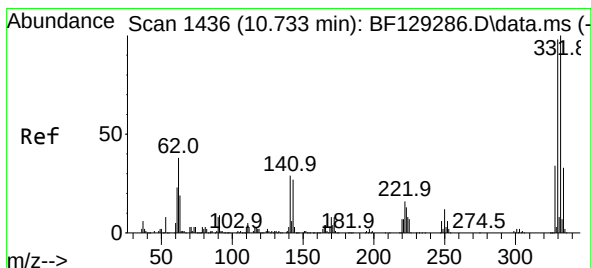
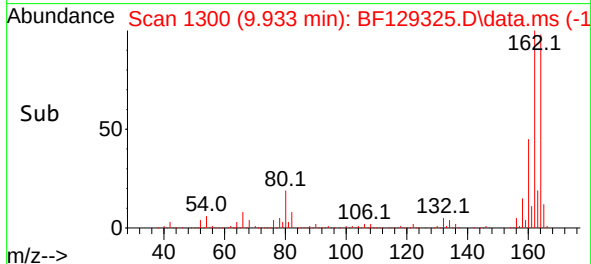
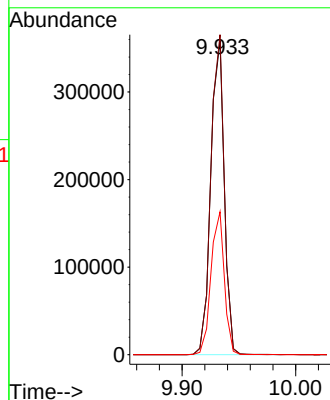
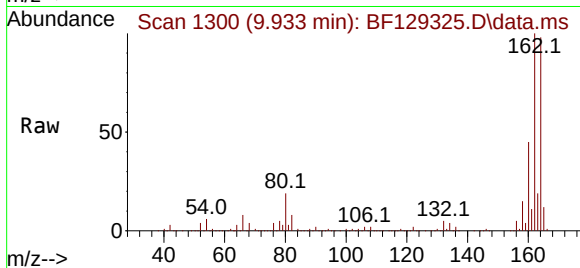
Tgt Ion:164 Resp: 295314

Ion Ratio Lower Upper

164 100

162 101.9 79.5 119.3

160 45.5 34.2 51.4



#42

2,4,6-Tribromophenol

Concen: 9.455 ng

RT: 10.716 min Scan# 1433

Delta R.T. -0.018 min

Lab File: BF129325.D

Acq: 22 Jul 2022 20:21

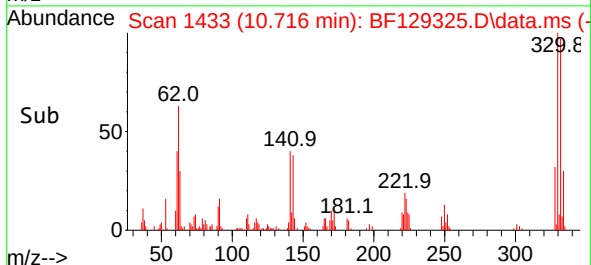
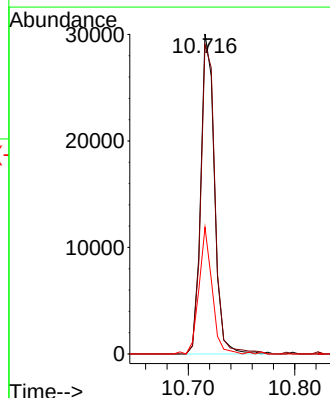
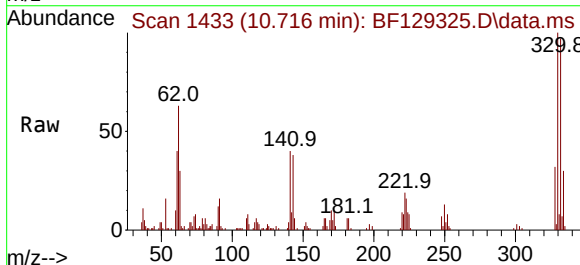
Tgt Ion:330 Resp: 26939

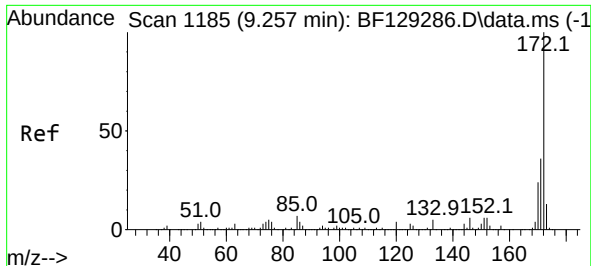
Ion Ratio Lower Upper

330 100

332 99.8 76.8 115.2

141 37.7 28.0 42.0

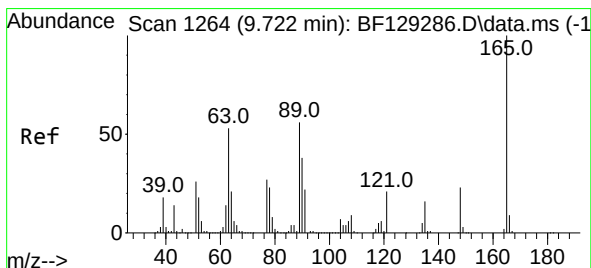
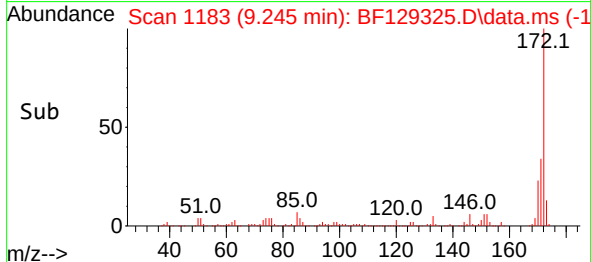
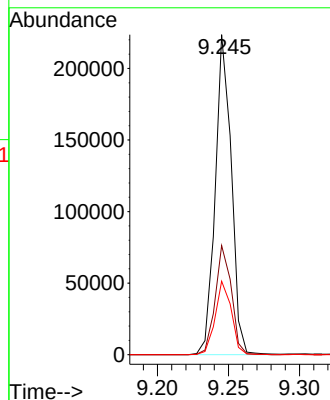
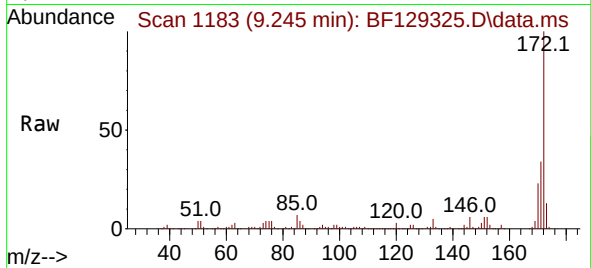




#45  
2-Fluorobiphenyl  
Concen: 9.153 ng  
RT: 9.245 min Scan# 1183  
Delta R.T. -0.012 min  
Lab File: BF129325.D  
Acq: 22 Jul 2022 20:21

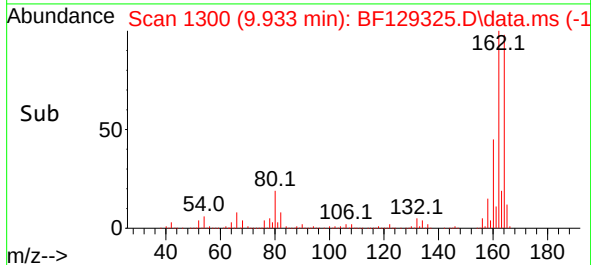
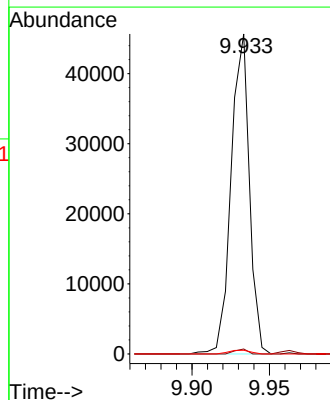
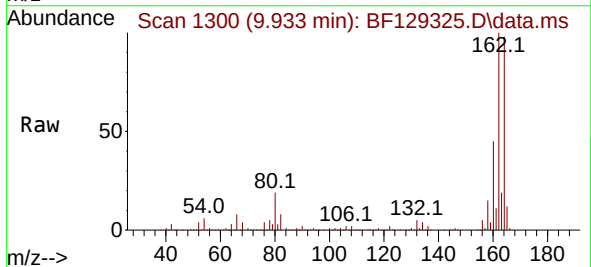
Instrument : BNA\_F  
ClientSampleId : ENV-DE-4(5-10)

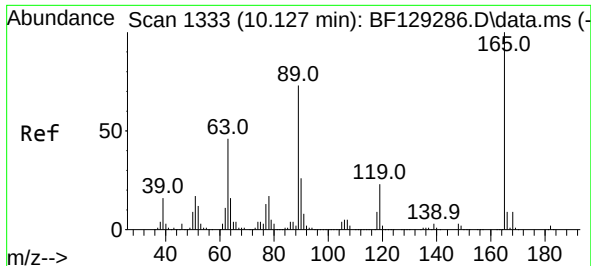
Tgt Ion:172 Resp: 175702  
Ion Ratio Lower Upper  
172 100  
171 34.1 28.8 43.2  
170 22.9 19.8 29.8



#51  
2,6-Dinitrotoluene  
Concen: 8.216 ng  
RT: 9.933 min Scan# 1300  
Delta R.T. 0.212 min  
Lab File: BF129325.D  
Acq: 22 Jul 2022 20:21

Tgt Ion:165 Resp: 37322  
Ion Ratio Lower Upper  
165 100  
63 1.6 44.9 67.3#  
89 1.2 43.6 65.4#

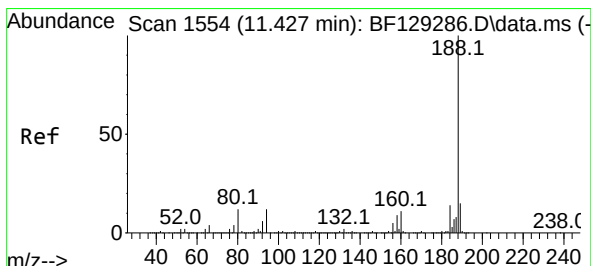
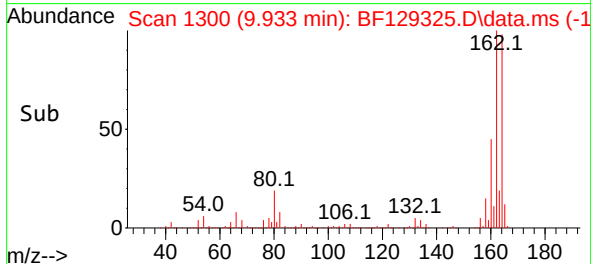
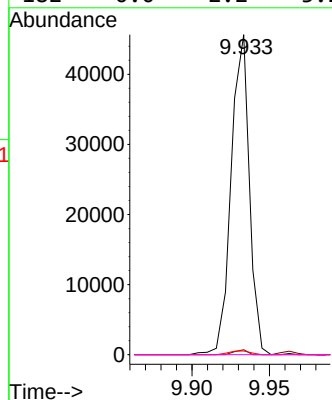
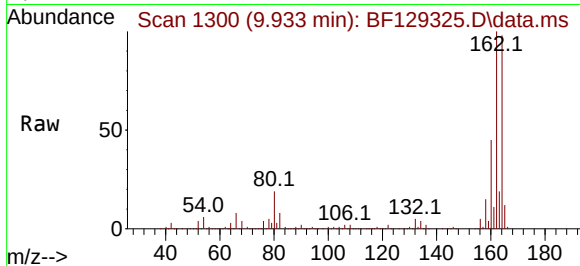




#57  
2,4-Dinitrotoluene  
Concen: 6.267 ng  
RT: 9.933 min Scan# 11  
Delta R.T. -0.194 min  
Lab File: BF129325.D  
Acq: 22 Jul 2022 20:21

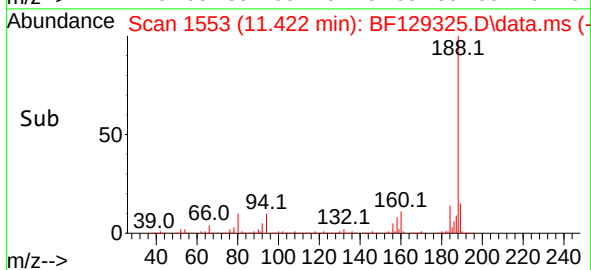
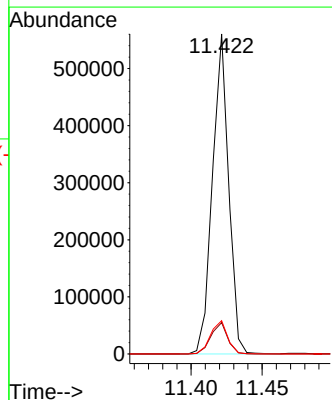
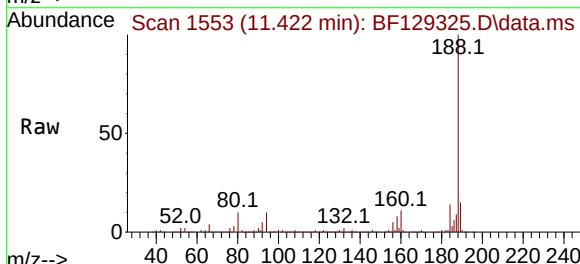
Instrument :  
BNA\_F  
ClientSampleId :  
ENV-DE-4(5-10)

Tgt Ion:165 Resp: 37322  
Ion Ratio Lower Upper  
165 100  
63 1.6 39.8 59.6#  
89 1.2 60.2 90.2#  
182 0.0 2.2 3.2#

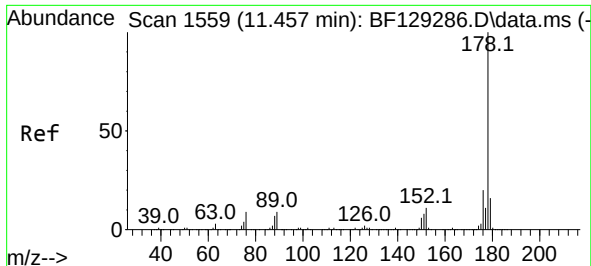


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.422 min Scan# 1553  
Delta R.T. -0.006 min  
Lab File: BF129325.D  
Acq: 22 Jul 2022 20:21

Tgt Ion:188 Resp: 446051  
Ion Ratio Lower Upper  
188 100  
94 9.8 7.0 10.6  
80 10.4 7.6 11.4



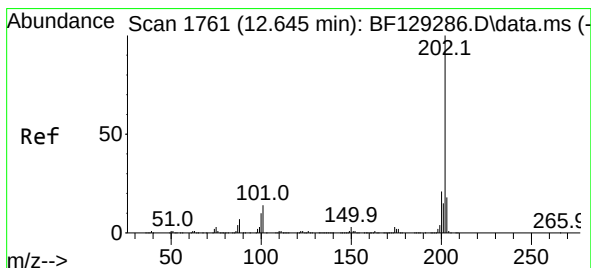
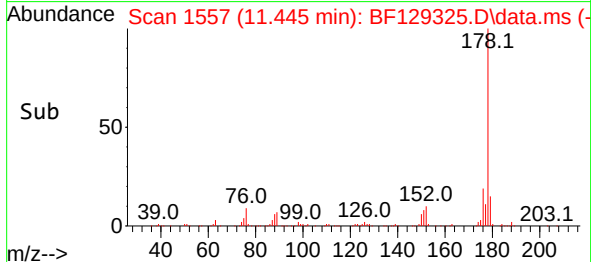
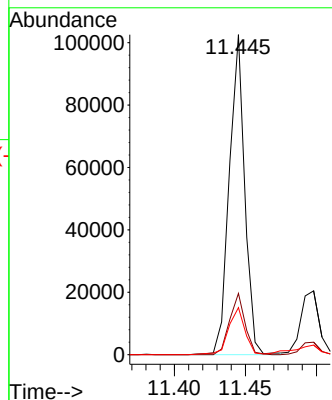
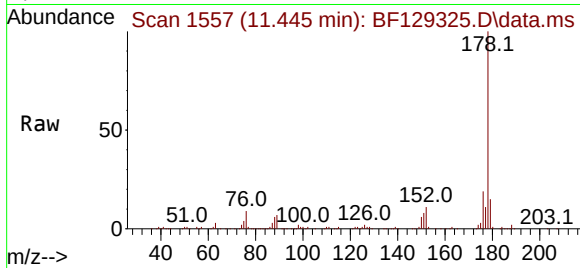




#71  
Phenanthrene  
Concen: 3.163 ng  
RT: 11.445 min Scan# 1759  
Delta R.T. -0.012 min  
Lab File: BF129325.D  
Acq: 22 Jul 2022 20:21

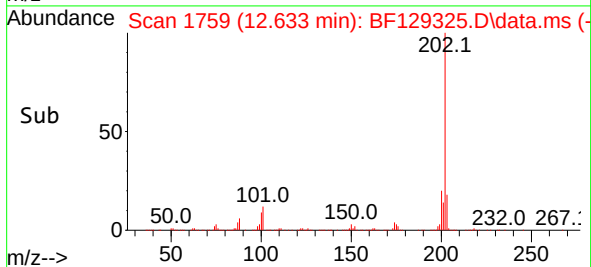
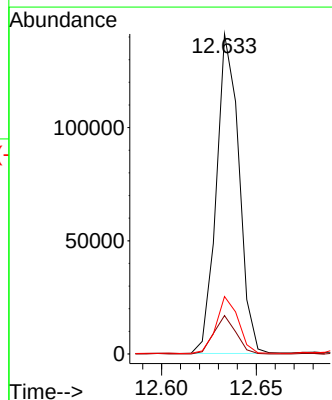
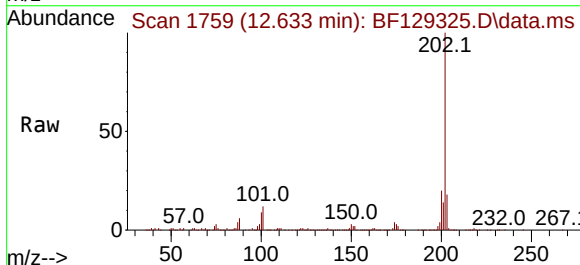
Instrument :  
BNA\_F  
ClientSampleId :  
ENV-DE-4(5-10)

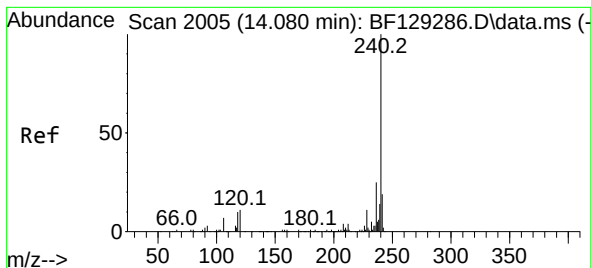
Tgt Ion:178 Resp: 77441  
Ion Ratio Lower Upper  
178 100  
176 19.2 16.0 24.0  
179 14.7 12.6 19.0



#75  
Fluoranthene  
Concen: 4.710 ng  
RT: 12.633 min Scan# 1759  
Delta R.T. -0.012 min  
Lab File: BF129325.D  
Acq: 22 Jul 2022 20:21

Tgt Ion:202 Resp: 117531  
Ion Ratio Lower Upper  
202 100  
101 12.0 0.0 31.4  
203 17.9 0.0 38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.068 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF129325.D

Acq: 22 Jul 2022 20:21

Instrument :

BNA\_F

ClientSampleId :

ENV-DE-4(5-10)

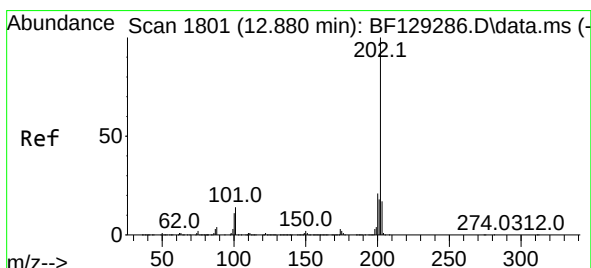
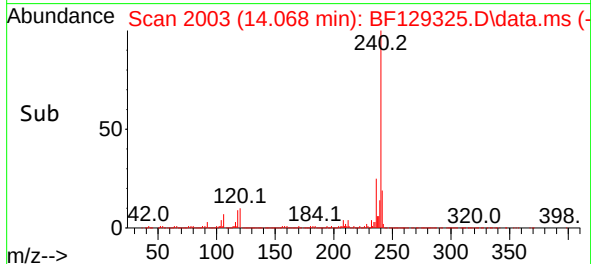
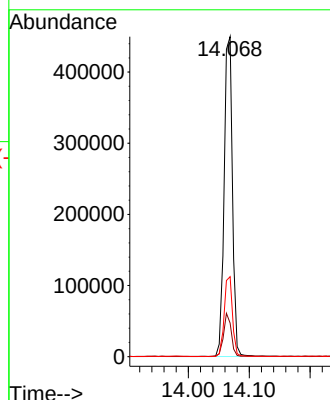
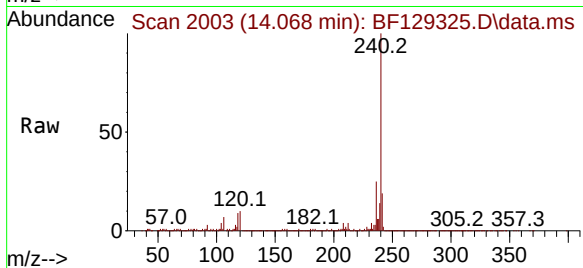
Tgt Ion:240 Resp: 425542

Ion Ratio Lower Upper

240 100

120 10.5 8.9 13.3

236 25.0 20.8 31.2



#78

Pyrene

Concen: 3.310 ng

RT: 12.863 min Scan# 1798

Delta R.T. -0.018 min

Lab File: BF129325.D

Acq: 22 Jul 2022 20:21

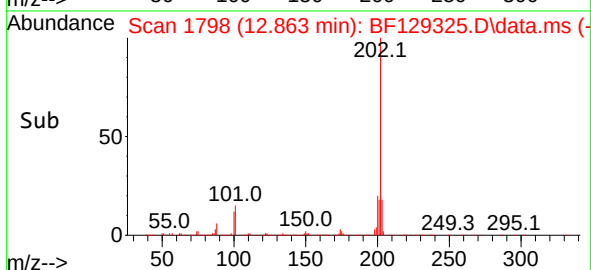
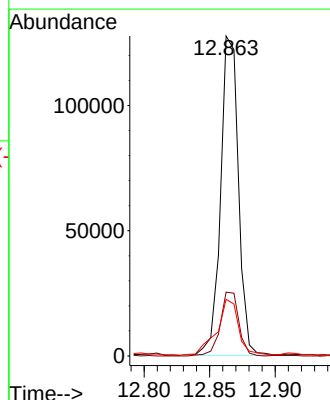
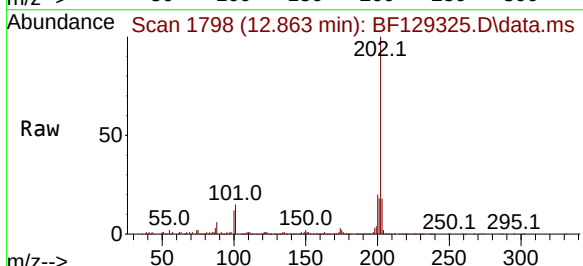
Tgt Ion:202 Resp: 120453

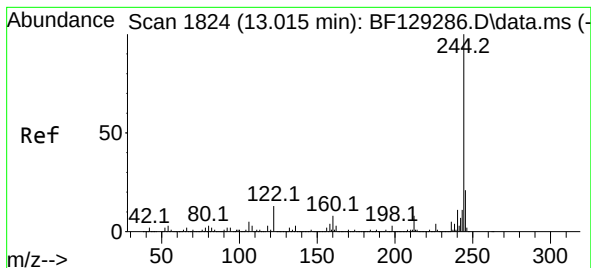
Ion Ratio Lower Upper

202 100

200 20.0 17.7 26.5

203 17.7 14.6 21.8





#79

Terphenyl-d14

Concen: 6.751 ng

RT: 13.004 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF129325.D

Acq: 22 Jul 2022 20:21

Instrument :

BNA\_F

ClientSampleId :

ENV-DE-4(5-10)

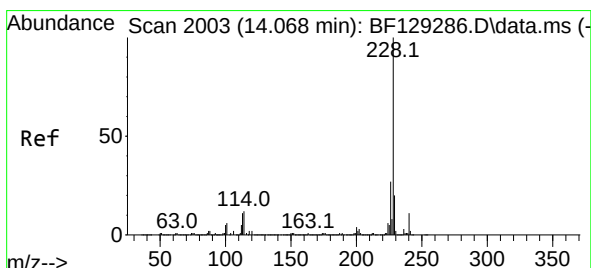
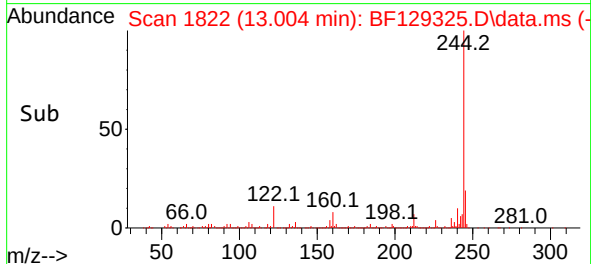
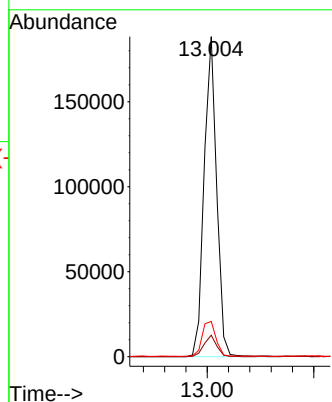
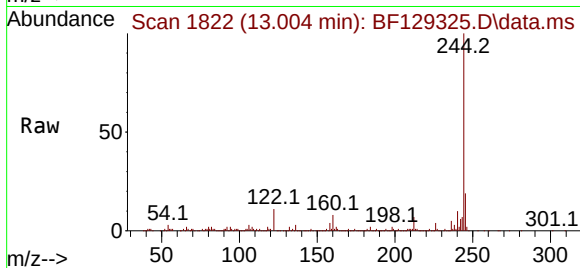
Tgt Ion:244 Resp: 154261

Ion Ratio Lower Upper

244 100

212 6.7 6.1 9.1

122 11.0 8.8 13.2



#81

Benzo(a)anthracene

Concen: 2.336 ng

RT: 14.057 min Scan# 2001

Delta R.T. -0.012 min

Lab File: BF129325.D

Acq: 22 Jul 2022 20:21

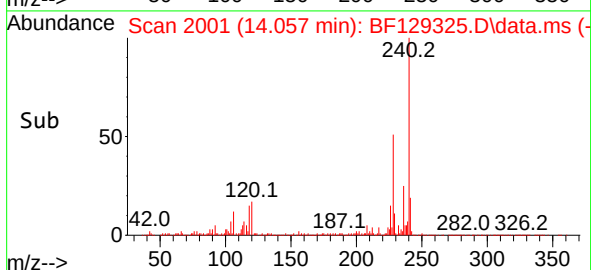
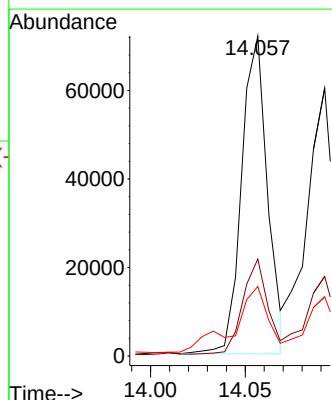
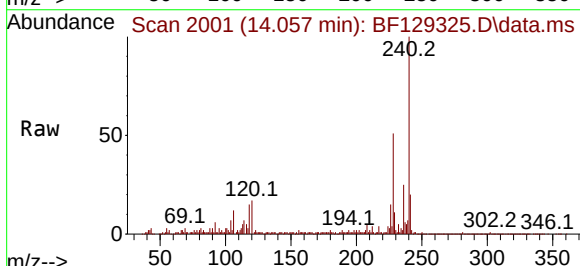
Tgt Ion:228 Resp: 68461

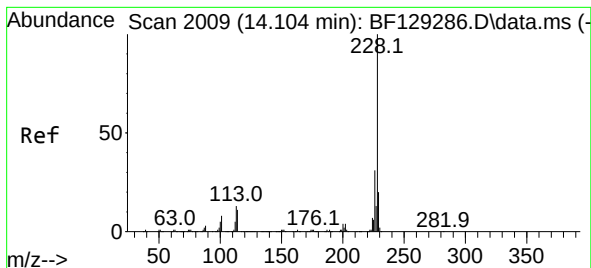
Ion Ratio Lower Upper

228 100

226 30.3 22.1 33.1

229 21.7 15.8 23.8





#83

Chrysene

Concen: 2.226 ng

RT: 14.092 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF129325.D

Acq: 22 Jul 2022 20:21

Instrument :

BNA\_F

ClientSampleId :

ENV-DE-4(5-10)

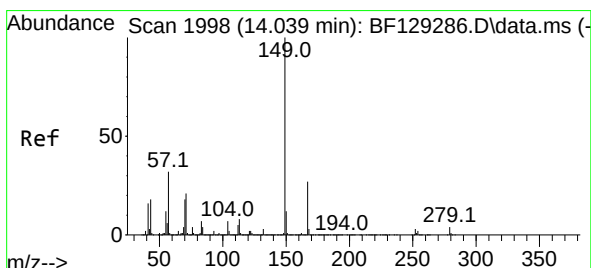
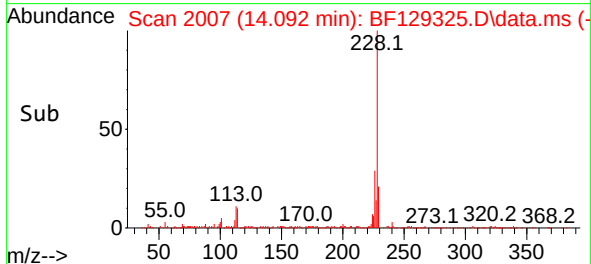
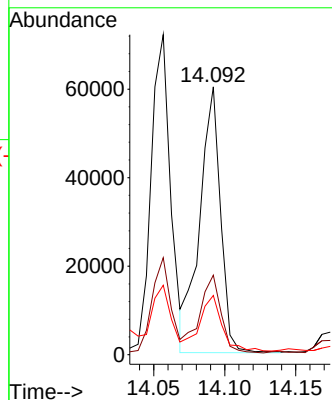
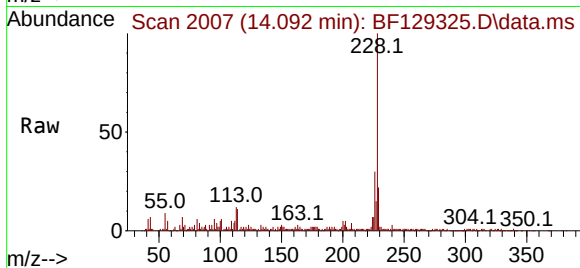
Tgt Ion:228 Resp: 61579

Ion Ratio Lower Upper

228 100

226 29.7 24.3 36.5

229 22.1 15.9 23.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.008 ng

RT: 14.033 min Scan# 1997

Delta R.T. -0.006 min

Lab File: BF129325.D

Acq: 22 Jul 2022 20:21

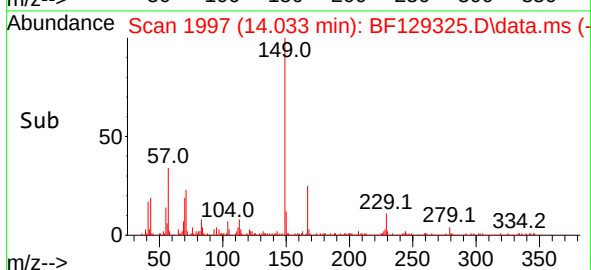
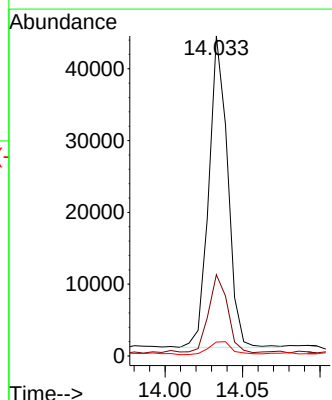
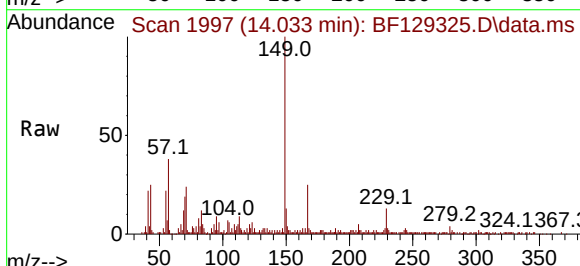
Tgt Ion:149 Resp: 36617

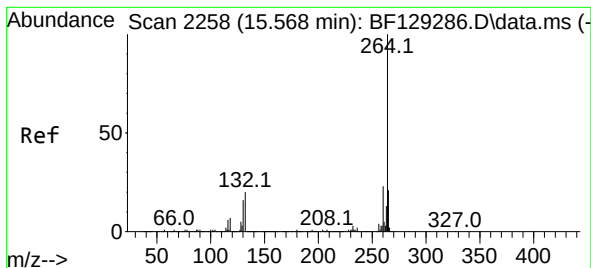
Ion Ratio Lower Upper

149 100

167 25.4 21.0 31.4

279 4.4 3.1 4.7





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.562 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF129325.D

Acq: 22 Jul 2022 20:21

Instrument :

BNA\_F

ClientSampleId :

ENV-DE-4(5-10)

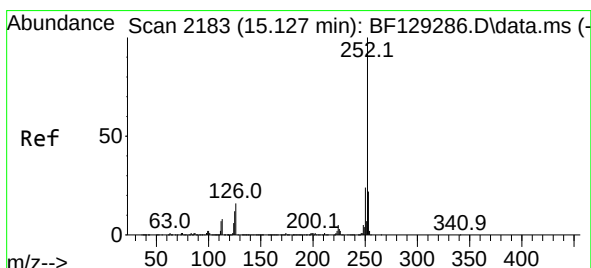
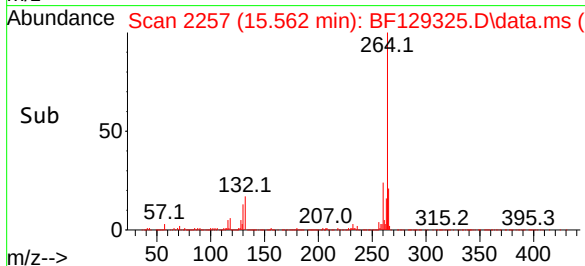
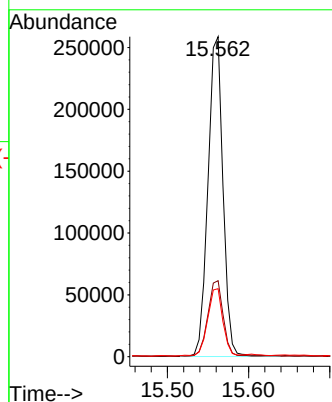
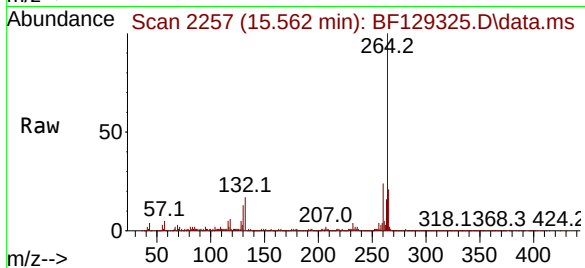
Tgt Ion:264 Resp: 331867

Ion Ratio Lower Upper

264 100

260 23.8 18.4 27.6

265 21.2 17.2 25.8



#88

Benzo(b)fluoranthene

Concen: 3.919 ng

RT: 15.115 min Scan# 2181

Delta R.T. -0.012 min

Lab File: BF129325.D

Acq: 22 Jul 2022 20:21

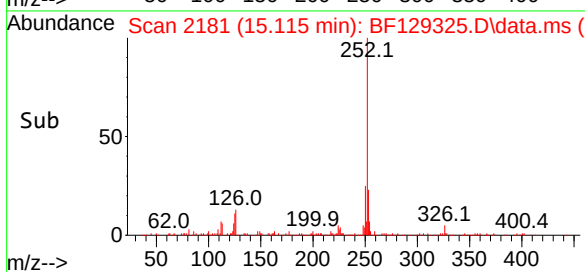
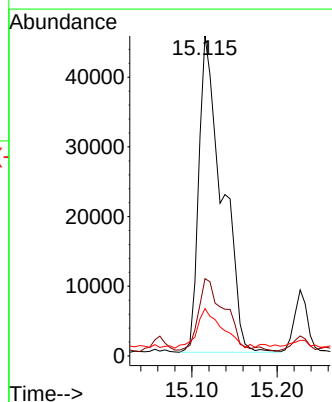
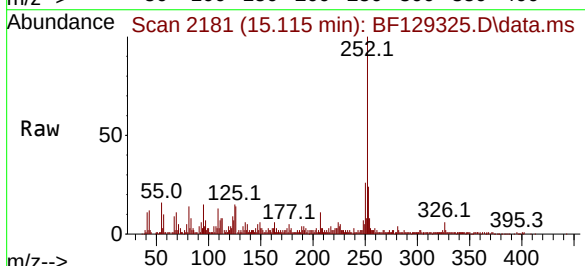
Tgt Ion:252 Resp: 86565

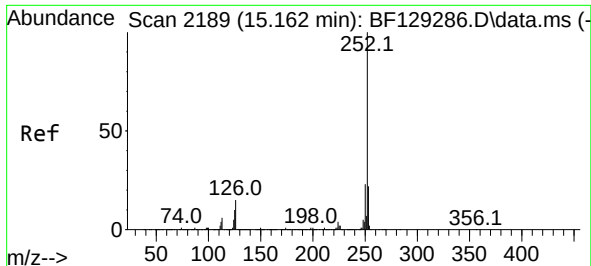
Ion Ratio Lower Upper

252 100

253 24.2 17.7 26.5

125 14.8 8.0 12.0#

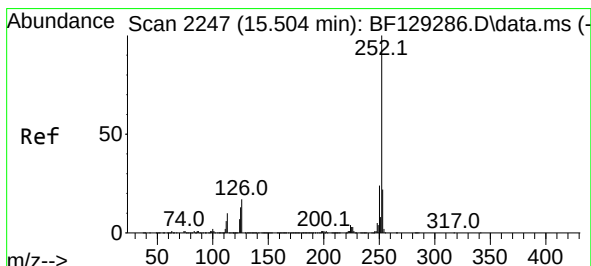
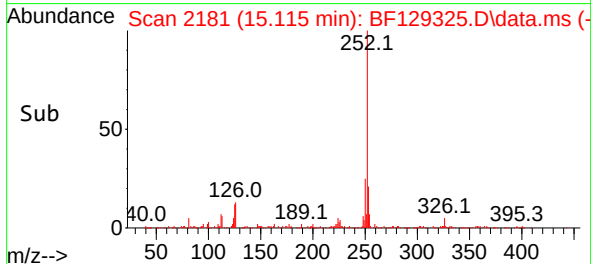
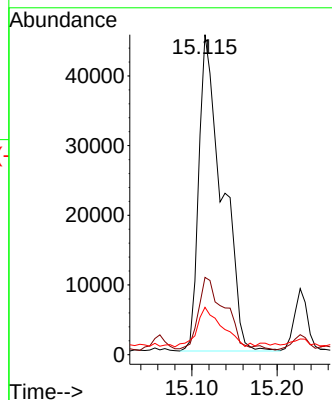
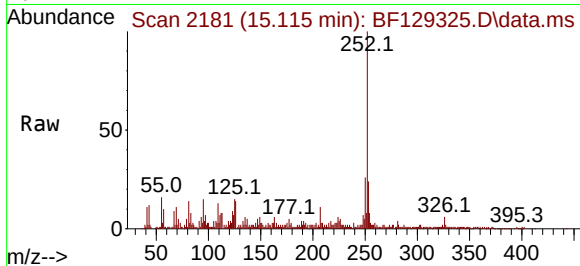




#89  
Benzo(k)fluoranthene  
Concen: 4.036 ng  
RT: 15.115 min Scan# 2189  
Delta R.T. -0.047 min  
Lab File: BF129325.D  
Acq: 22 Jul 2022 20:21

Instrument :  
BNA\_F  
ClientSampleId :  
ENV-DE-4(5-10)

Tgt Ion:252 Resp: 86565  
Ion Ratio Lower Upper  
252 100  
253 24.2 17.8 26.6  
125 14.8 8.3 12.5#



#90  
Benzo(a)pyrene  
Concen: 2.507 ng  
RT: 15.492 min Scan# 2245  
Delta R.T. -0.012 min  
Lab File: BF129325.D  
Acq: 22 Jul 2022 20:21

Tgt Ion:252 Resp: 44811  
Ion Ratio Lower Upper  
252 100  
253 25.8 17.0 25.6#  
125 13.0 8.8 13.2

