

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF082422\  
 Data File : BF129972.D  
 Acq On : 24 Aug 2022 14:07  
 Operator : CG\JU  
 Sample : N4273-01 10X  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Aug 24 14:28:10 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF081422.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 23 04:41:40 2022  
 Response via : Initial Calibration

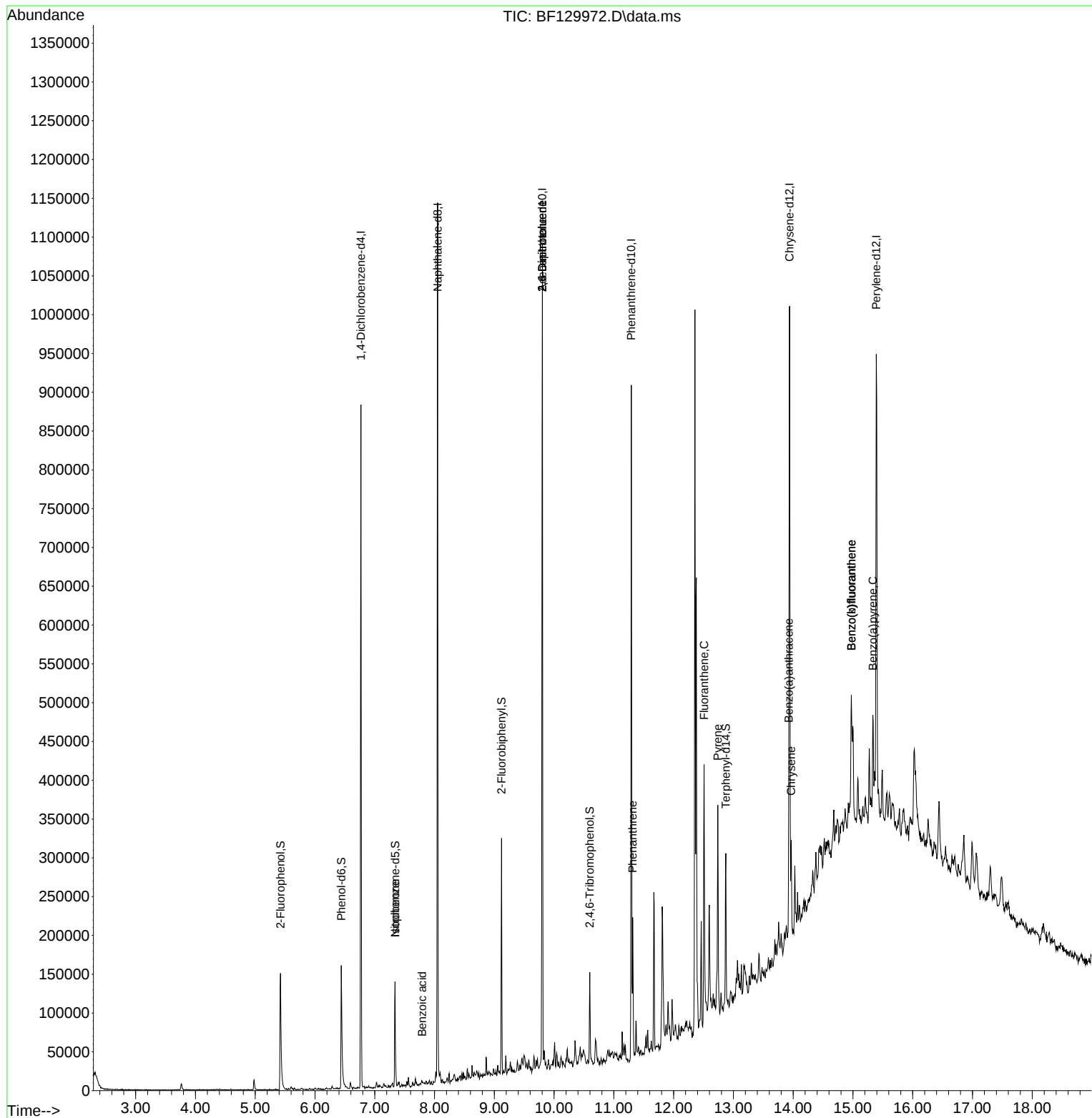
| Compound                    | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-----------------------------|--------|------|----------|-----------|-------|----------|
| -----                       |        |      |          |           |       |          |
| Internal Standards          |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.769  | 152  | 116675   | 20.000    | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.051  | 136  | 427821   | 20.000    | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.804  | 164  | 197051   | 20.000    | ng    | -0.01    |
| 64) Phenanthrene-d10        | 11.292 | 188  | 276818   | 20.000    | ng    | -0.01    |
| 76) Chrysene-d12            | 13.939 | 240  | 238212   | 20.000    | ng    | -0.01    |
| 86) Perylene-d12            | 15.392 | 264  | 275851   | 20.000    | ng    | 0.00     |
|                             |        |      |          |           |       |          |
| System Monitoring Compounds |        |      |          |           |       |          |
| 5) 2-Fluorophenol           | 5.422  | 112  | 55315    | 7.850     | ng    | 0.01     |
| 7) Phenol-d6                | 6.439  | 99   | 64820    | 7.345     | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.339  | 82   | 41297    | 5.167     | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 10.598 | 330  | 11102    | 5.614     | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 9.122  | 172  | 74912    | 5.774     | ng    | -0.01    |
| 79) Terphenyl-d14           | 12.874 | 244  | 59417    | 4.150     | ng    | -0.01    |
|                             |        |      |          |           |       |          |
| Target Compounds            |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde             | 6.351  | 77   | 121      | Below Cal | #     | 1        |
| 25) Isophorone              | 7.339  | 82   | 41297    | 3.002     | ng    | # 65     |
| 32) Benzoic acid            | 7.792  | 122  | 72       | 2.186     | ng    | # 89     |
| 51) 2,6-Dinitrotoluene      | 9.804  | 165  | 25442    | 8.303     | ng    | # 23     |
| 57) 2,4-Dinitrotoluene      | 9.804  | 165  | 25442    | 6.396     | ng    | # 18     |
| 71) Phenanthrene            | 11.316 | 178  | 60228    | 3.896     | ng    | # 97     |
| 75) Fluoranthene            | 12.510 | 202  | 106028   | 6.702     | ng    | # 99     |
| 77) Benzidine               | 12.592 | 184  | 89       | Below Cal | #     | 1        |
| 78) Pyrene                  | 12.739 | 202  | 95663    | 4.621     | ng    | # 99     |
| 81) Benzo(a)anthracene      | 13.927 | 228  | 59217    | 3.614     | ng    | # 99     |
| 83) Chrysene                | 13.968 | 228  | 50933    | 3.320     | ng    | # 97     |
| 88) Benzo(b)fluoranthene    | 14.974 | 252  | 110869   | 5.869     | ng    | # 92     |
| 89) Benzo(k)fluoranthene    | 14.974 | 252  | 110869   | 6.120     | ng    | # 91     |
| 90) Benzo(a)pyrene          | 15.333 | 252  | 61933    | 4.164     | ng    | # 92     |
| -----                       |        |      |          |           |       |          |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF082422\  
Data File : BF129972.D  
Acq On : 24 Aug 2022 14:07  
Operator : CG\JU  
Sample : N4273-01 10X  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :

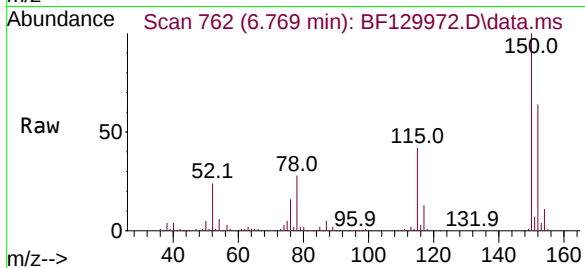
Quant Time: Aug 24 14:28:10 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF081422.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Aug 23 04:41:40 2022  
Response via : Initial Calibration



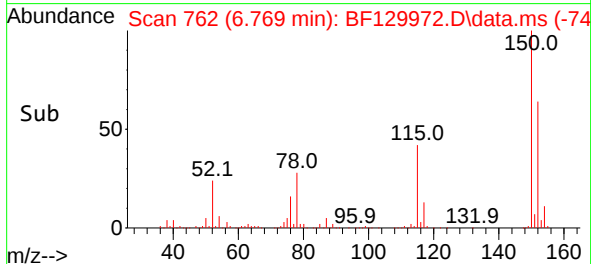
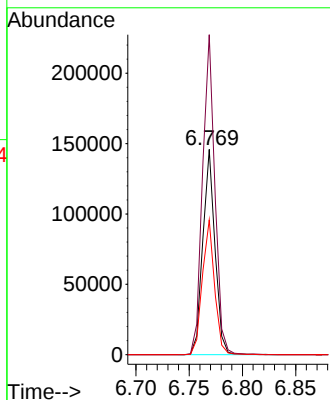


#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.769 min Scan# 70  
Delta R.T. -0.006 min  
Lab File: BF129972.D  
Acq: 24 Aug 2022 14:07

Instrument :  
BNA\_F  
ClientSampleId :

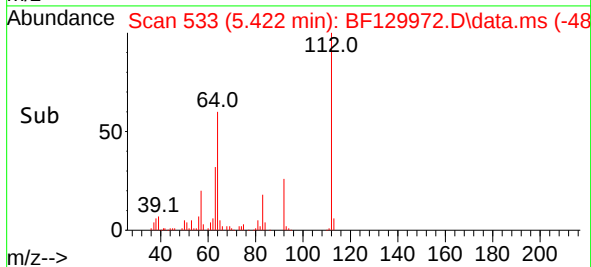
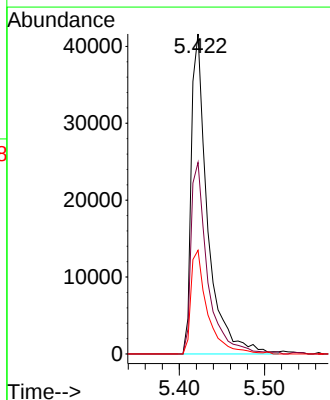
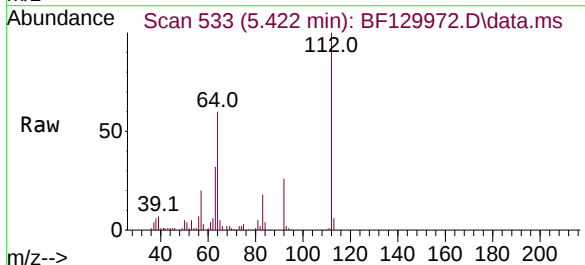


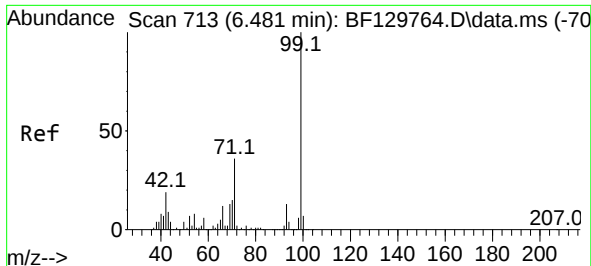
Tgt Ion:152 Resp: 116675  
Ion Ratio Lower Upper  
152 100  
150 155.9 126.9 190.3  
115 65.6 53.4 80.0



#5  
2-Fluorophenol  
Concen: 7.850 ng  
RT: 5.422 min Scan# 533  
Delta R.T. 0.012 min  
Lab File: BF129972.D  
Acq: 24 Aug 2022 14:07

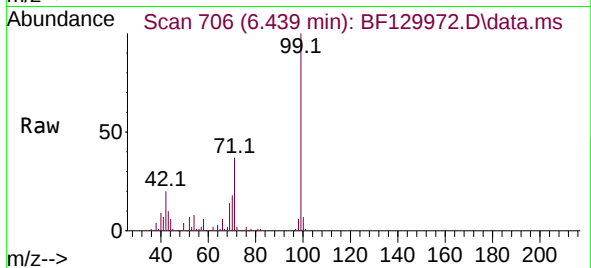
Tgt Ion:112 Resp: 55315  
Ion Ratio Lower Upper  
112 100  
64 59.8 47.6 71.4  
63 32.4 24.6 37.0



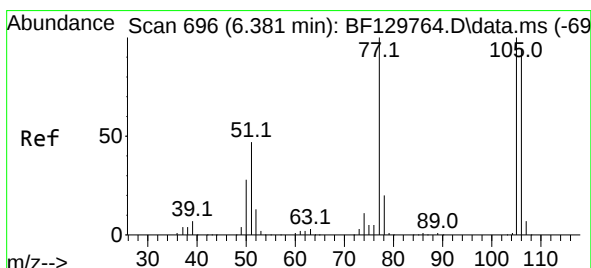
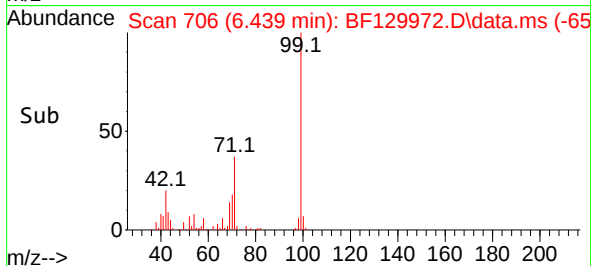
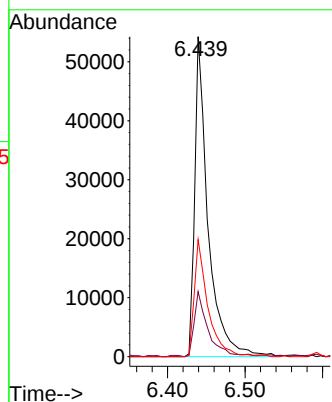


#7  
Phenol-d6  
Concen: 7.345 ng  
RT: 6.439 min Scan# 70  
Delta R.T. 0.006 min  
Lab File: BF129972.D  
Acq: 24 Aug 2022 14:07

Instrument :  
BNA\_F  
ClientSampleId :

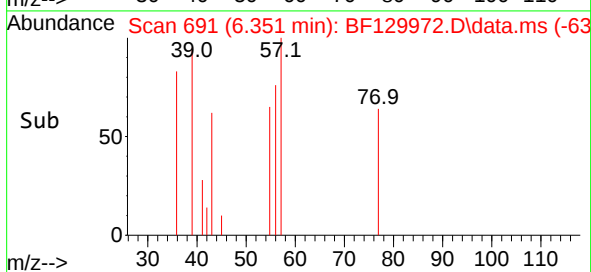
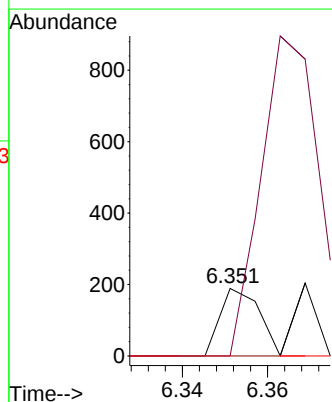
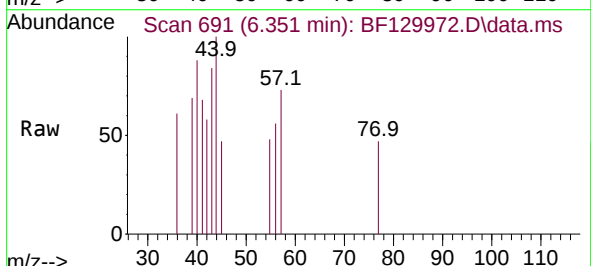


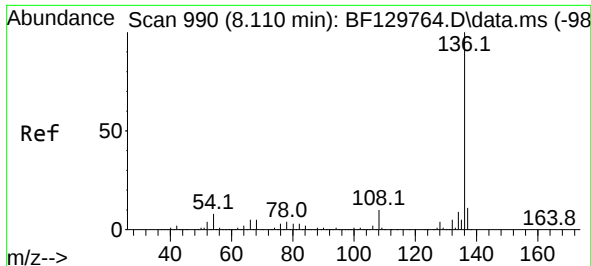
Tgt Ion: 99 Resp: 64820  
Ion Ratio Lower Upper  
99 100  
42 20.3 15.0 22.4  
71 36.6 28.8 43.2



#9  
Benzaldehyde  
Concen: Below Cal  
RT: 6.351 min Scan# 691  
Delta R.T. 0.018 min  
Lab File: BF129972.D  
Acq: 24 Aug 2022 14:07

Tgt Ion: 77 Resp: 121  
Ion Ratio Lower Upper  
77 100  
105 0.0 80.3 120.3#  
106 0.0 74.3 114.3#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.051 min Scan# 91

Delta R.T. -0.006 min

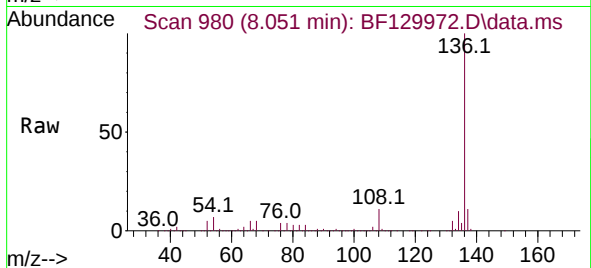
Lab File: BF129972.D

Acq: 24 Aug 2022 14:07

Instrument :

BNA\_F

ClientSampleId :



Tgt Ion:136 Resp: 427821

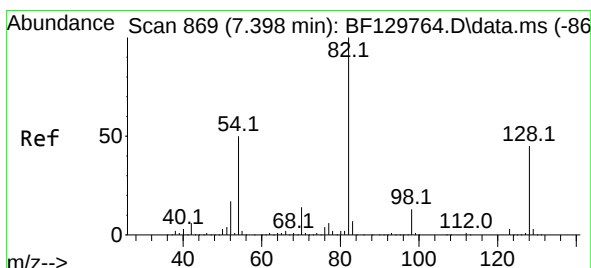
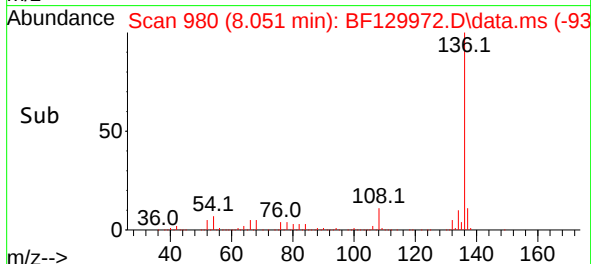
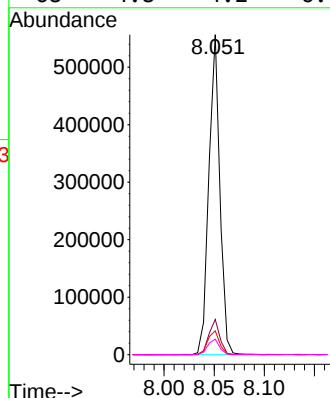
Ion Ratio Lower Upper

136 100

137 11.0 8.4 12.6

54 7.4 6.2 9.2

68 4.8 4.2 6.4



#23

Nitrobenzene-d5

Concen: 5.167 ng

RT: 7.339 min Scan# 859

Delta R.T. -0.012 min

Lab File: BF129972.D

Acq: 24 Aug 2022 14:07

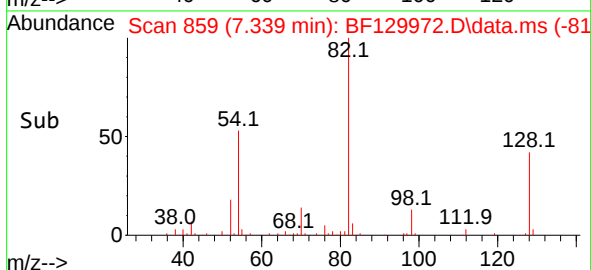
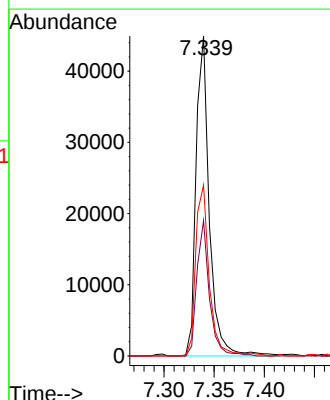
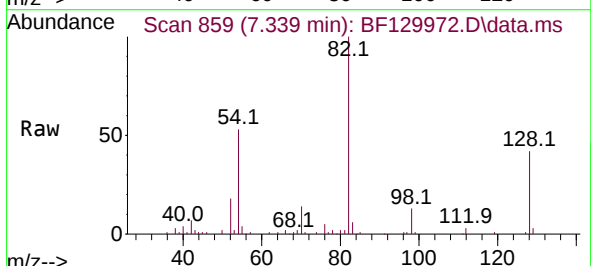
Tgt Ion: 82 Resp: 41297

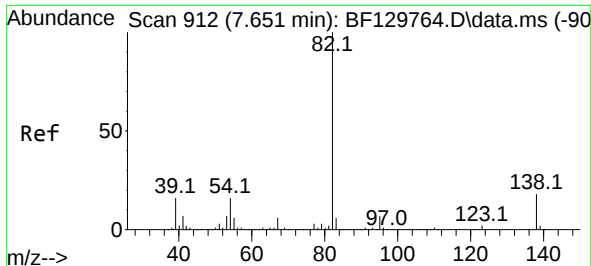
Ion Ratio Lower Upper

82 100

128 42.3 36.1 54.1

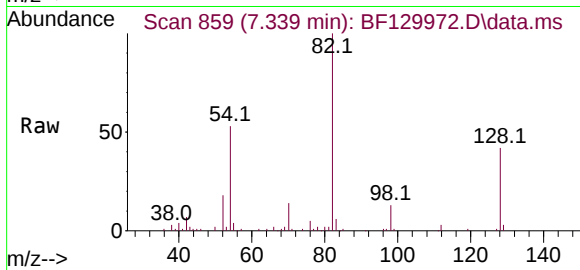
54 53.4 40.0 60.0



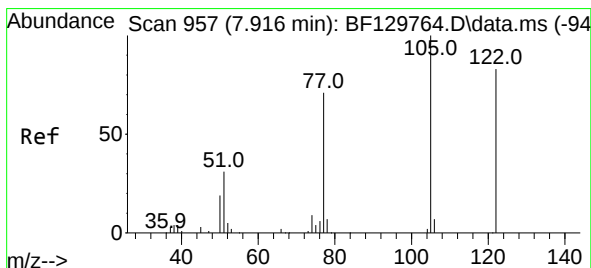
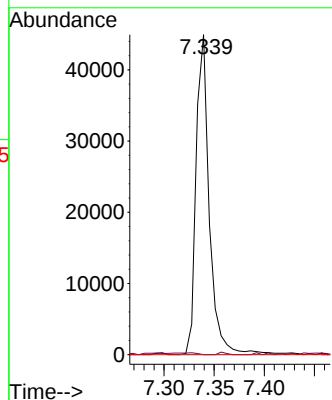
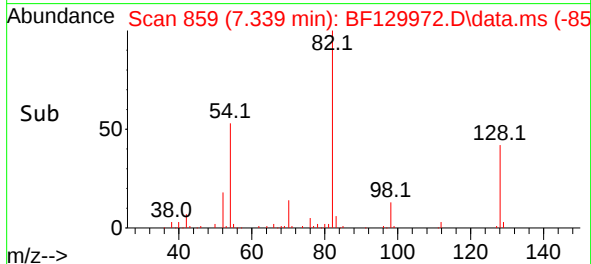


#25  
Isophorone  
Concen: 3.002 ng  
RT: 7.339 min Scan# 81  
Delta R.T. -0.265 min  
Lab File: BF129972.D  
Acq: 24 Aug 2022 14:07

Instrument :  
BNA\_F  
ClientSampleId :

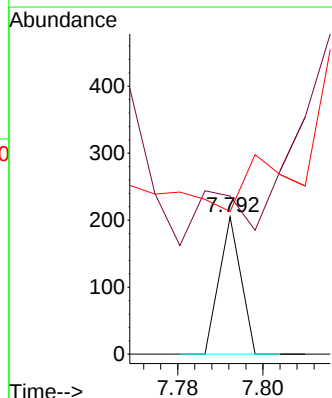
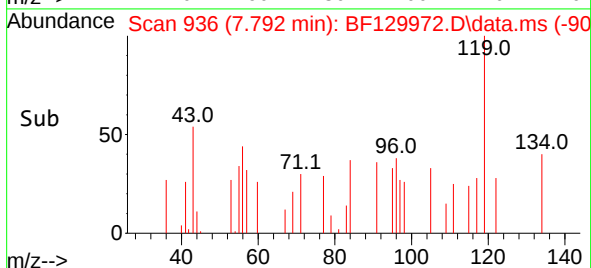
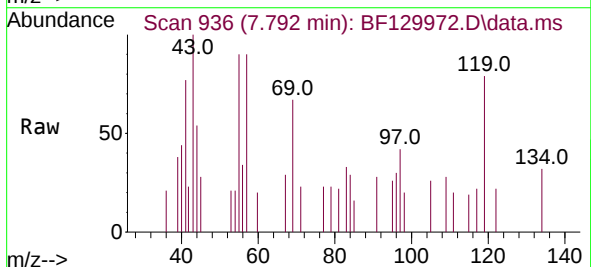


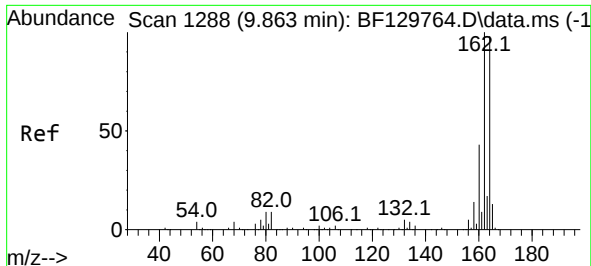
Tgt Ion: 82 Resp: 41297  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.9 8.9#  
138 0.0 14.6 21.8#



#32  
Benzoic acid  
Concen: 2.186 ng  
RT: 7.792 min Scan# 936  
Delta R.T. -0.088 min  
Lab File: BF129972.D  
Acq: 24 Aug 2022 14:07

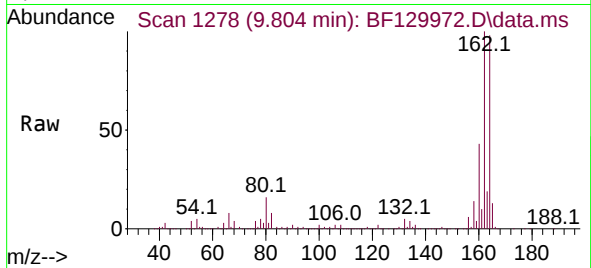
Tgt Ion:122 Resp: 72  
Ion Ratio Lower Upper  
122 100  
105 115.1 99.9 139.9  
77 103.9 65.9 105.9



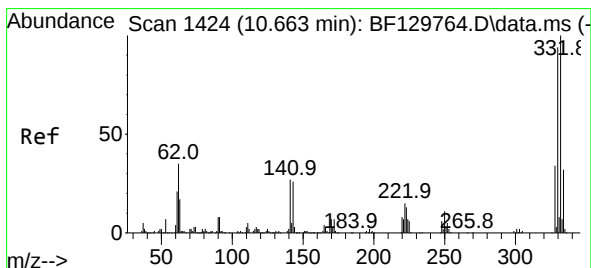
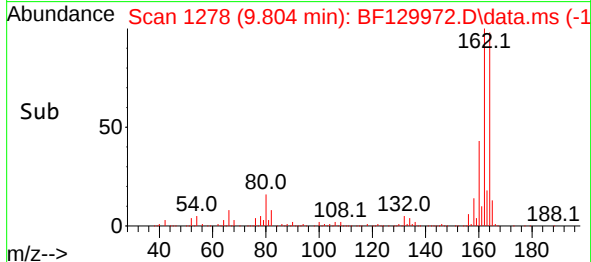
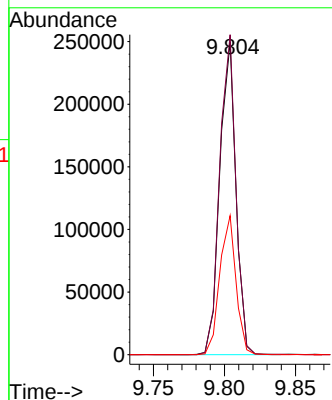


#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.804 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF129972.D  
Acq: 24 Aug 2022 14:07

Instrument :  
BNA\_F  
ClientSampleId :

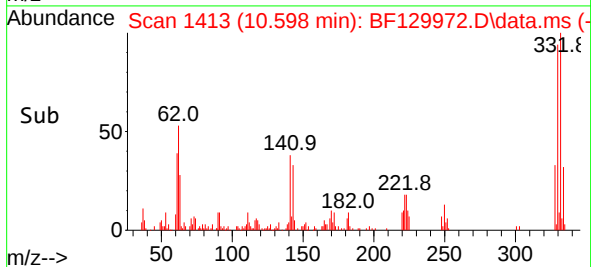
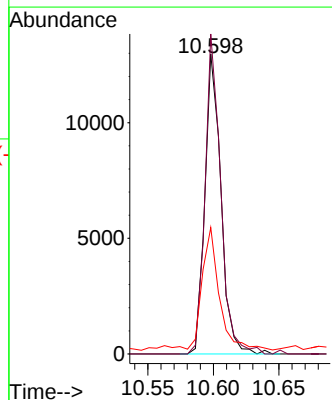
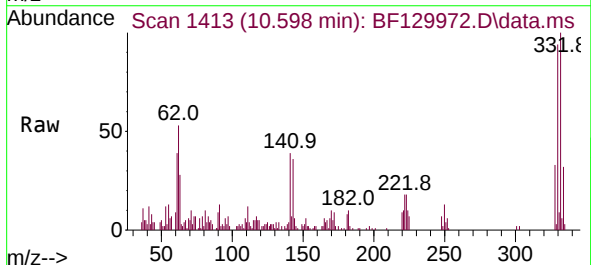


Tgt Ion:164 Resp: 197051  
Ion Ratio Lower Upper  
164 100  
162 102.3 82.0 123.0  
160 44.5 35.4 53.0



#42  
2,4,6-Tribromophenol  
Concen: 5.614 ng  
RT: 10.598 min Scan# 1413  
Delta R.T. -0.012 min  
Lab File: BF129972.D  
Acq: 24 Aug 2022 14:07

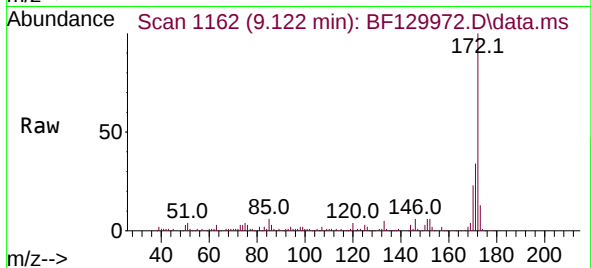
Tgt Ion:330 Resp: 11102  
Ion Ratio Lower Upper  
330 100  
332 103.8 82.6 124.0  
141 43.5 27.6 41.4#



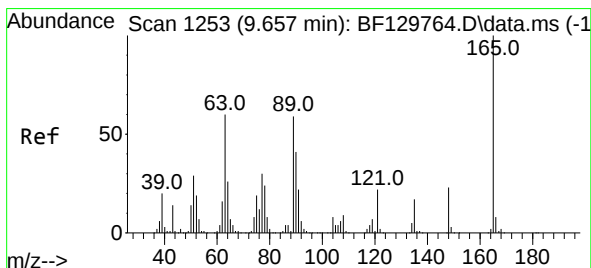
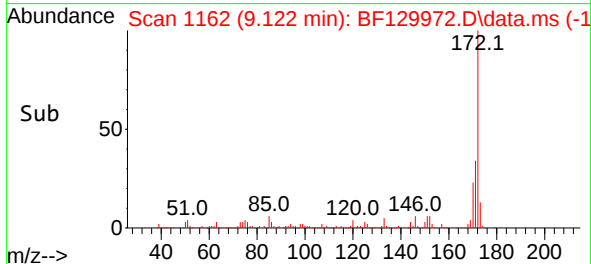
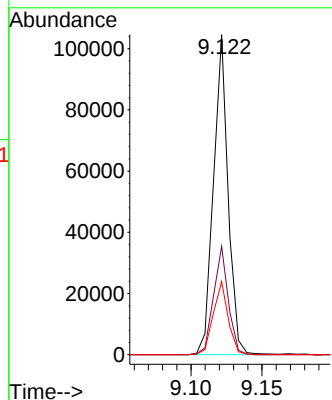


#45  
2-Fluorobiphenyl  
Concen: 5.774 ng  
RT: 9.122 min Scan# 1173  
Delta R.T. -0.012 min  
Lab File: BF129972.D  
Acq: 24 Aug 2022 14:07

Instrument :  
BNA\_F  
ClientSampleId :

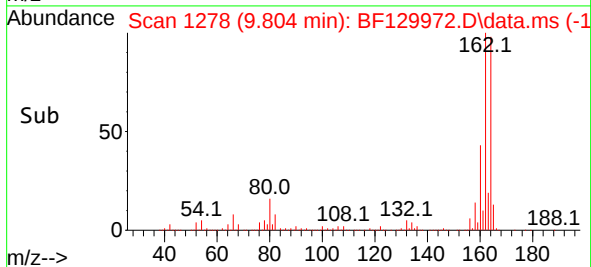
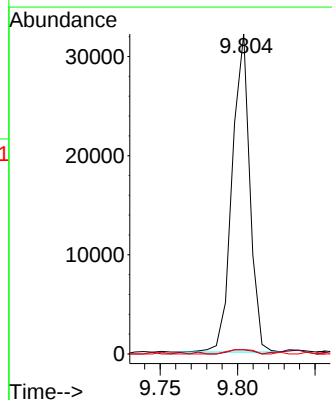
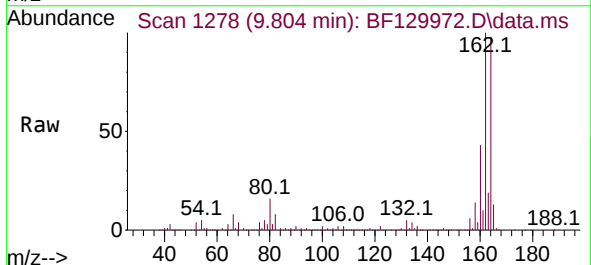


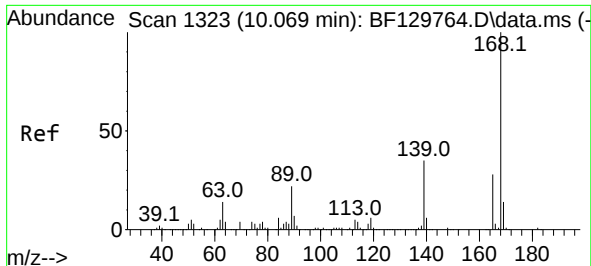
Tgt Ion:172 Resp: 74912  
Ion Ratio Lower Upper  
172 100  
171 33.9 28.4 42.6  
170 22.8 19.1 28.7



#51  
2,6-Dinitrotoluene  
Concen: 8.303 ng  
RT: 9.804 min Scan# 1278  
Delta R.T. 0.188 min  
Lab File: BF129972.D  
Acq: 24 Aug 2022 14:07

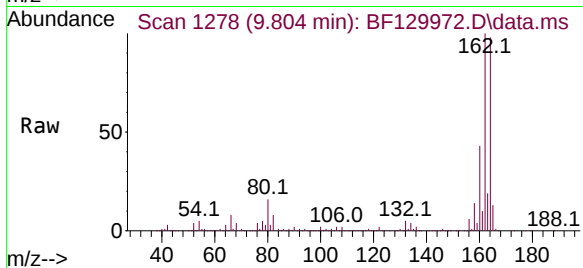
Tgt Ion:165 Resp: 25442  
Ion Ratio Lower Upper  
165 100  
63 1.3 47.8 71.8#  
89 1.4 47.2 70.8#



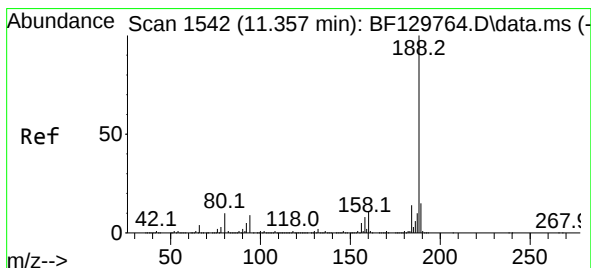
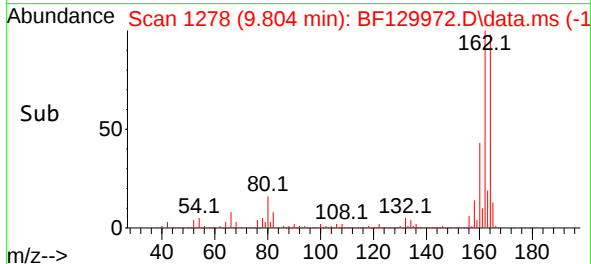
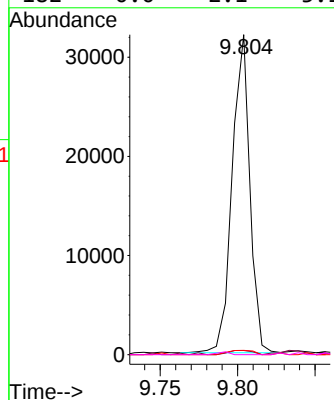


#57  
2,4-Dinitrotoluene  
Concen: 6.396 ng  
RT: 9.804 min Scan# 1531  
Delta R.T. -0.218 min  
Lab File: BF129972.D  
Acq: 24 Aug 2022 14:07

Instrument :  
BNA\_F  
ClientSampleId :

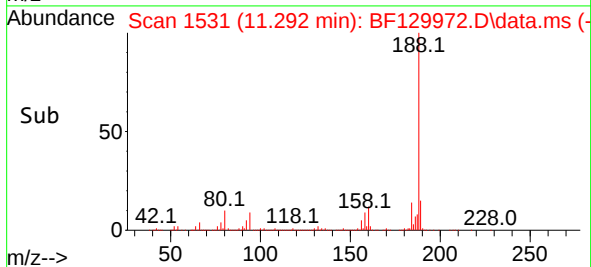
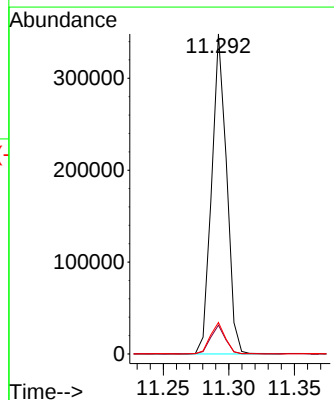
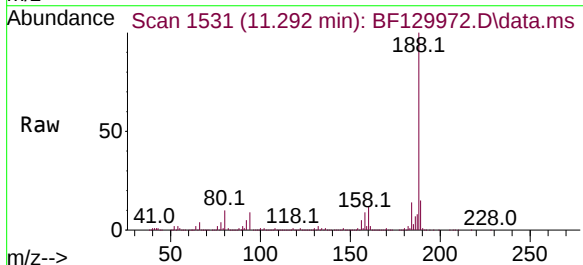


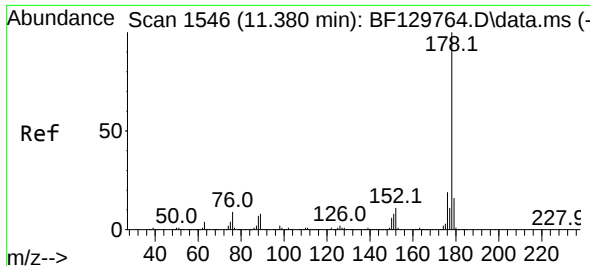
Tgt Ion:165 Resp: 25442  
Ion Ratio Lower Upper  
165 100  
63 1.3 48.4 72.6#  
89 1.4 62.3 93.5#  
182 0.0 2.1 3.1#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.292 min Scan# 1531  
Delta R.T. -0.012 min  
Lab File: BF129972.D  
Acq: 24 Aug 2022 14:07

Tgt Ion:188 Resp: 276818  
Ion Ratio Lower Upper  
188 100  
94 9.0 7.4 11.2  
80 9.8 7.9 11.9

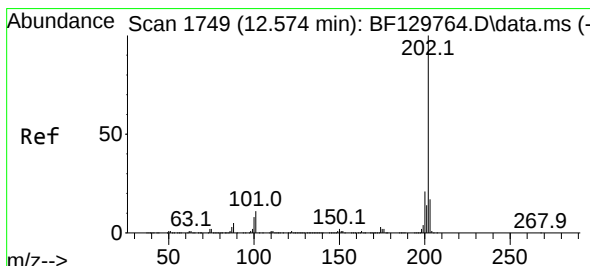
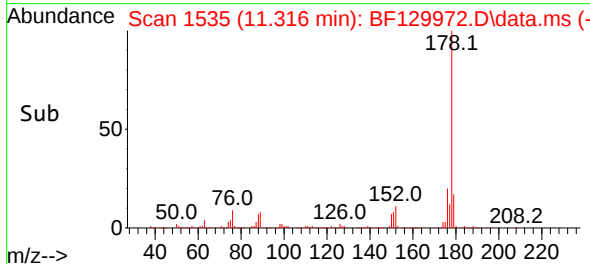
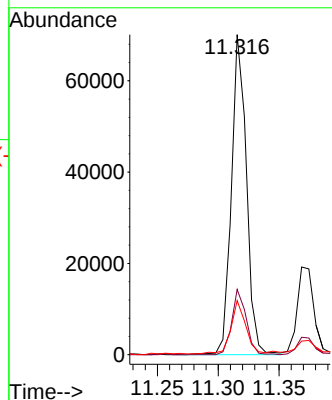
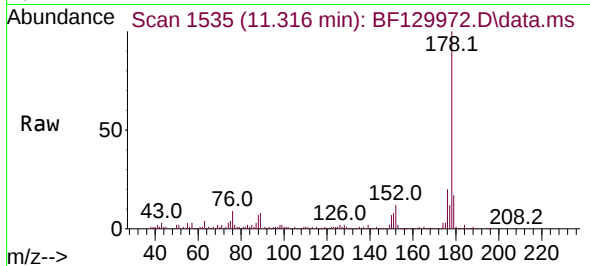




#71  
Phenanthrene  
Concen: 3.896 ng  
RT: 11.316 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF129972.D  
Acq: 24 Aug 2022 14:07

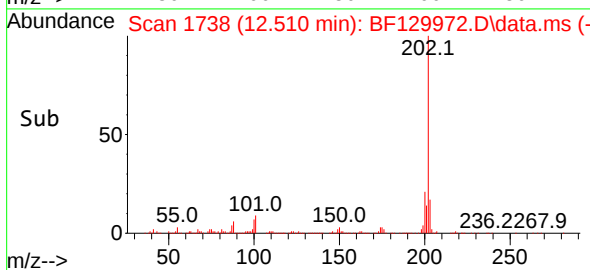
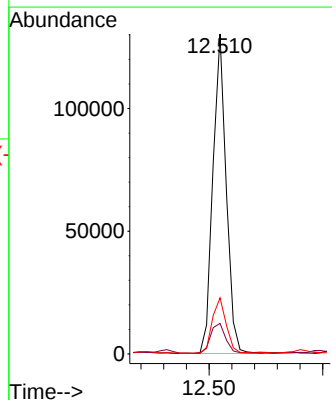
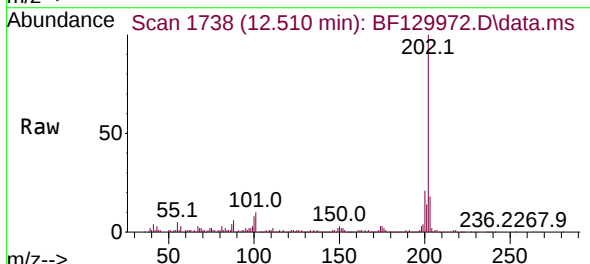
Instrument :  
BNA\_F  
ClientSampleId :

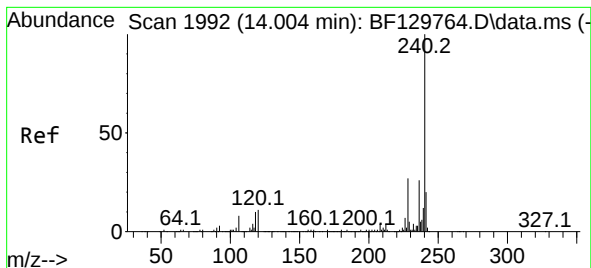
Tgt Ion:178 Resp: 60228  
Ion Ratio Lower Upper  
178 100  
176 20.4 15.5 23.3  
179 16.9 12.5 18.7



#75  
Fluoranthene  
Concen: 6.702 ng  
RT: 12.510 min Scan# 1738  
Delta R.T. -0.012 min  
Lab File: BF129972.D  
Acq: 24 Aug 2022 14:07

Tgt Ion:202 Resp: 106028  
Ion Ratio Lower Upper  
202 100  
101 9.5 0.0 30.7  
203 17.5 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.939 min Scan# 1992

Delta R.T. -0.012 min

Lab File: BF129972.D

Acq: 24 Aug 2022 14:07

Instrument :

BNA\_F

ClientSampleId :

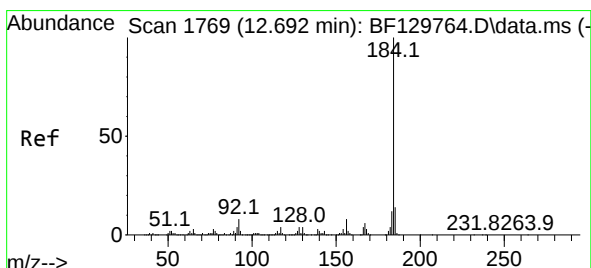
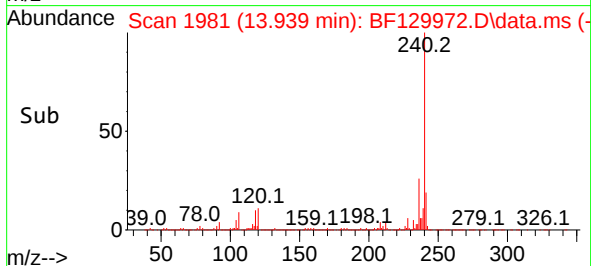
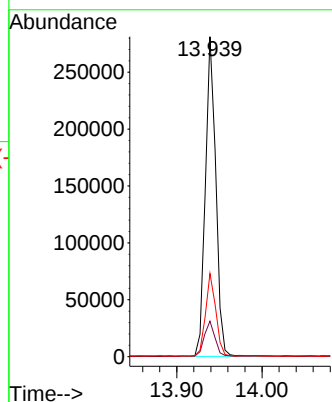
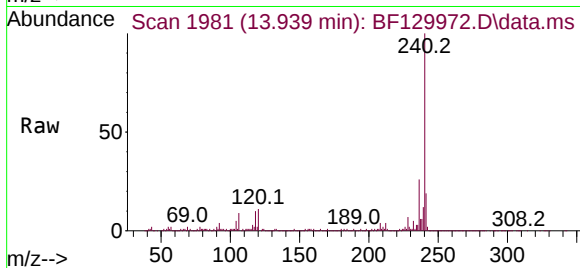
Tgt Ion:240 Resp: 238212

Ion Ratio Lower Upper

240 100

120 11.1 9.2 13.8

236 26.0 20.7 31.1



#77

Benzidine

Concen: Below Cal

RT: 12.592 min Scan# 1752

Delta R.T. -0.053 min

Lab File: BF129972.D

Acq: 24 Aug 2022 14:07

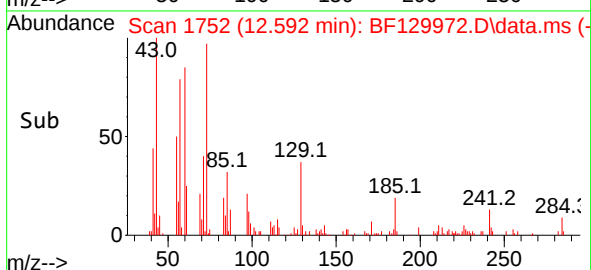
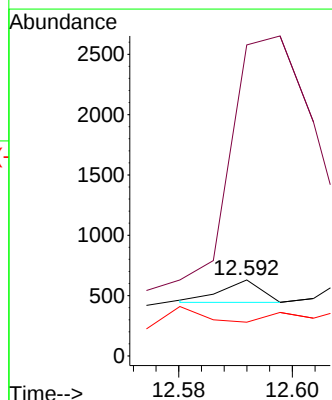
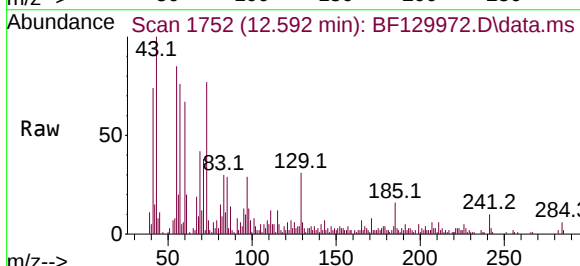
Tgt Ion:184 Resp: 89

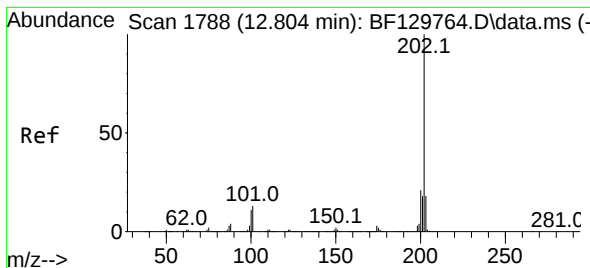
Ion Ratio Lower Upper

184 100

185 409.2 11.4 17.2#

183 44.4 9.4 14.2#





#78

Pyrene

Concen: 4.621 ng

RT: 12.739 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF129972.D

Acq: 24 Aug 2022 14:07

Instrument :

BNA\_F

ClientSampleId :

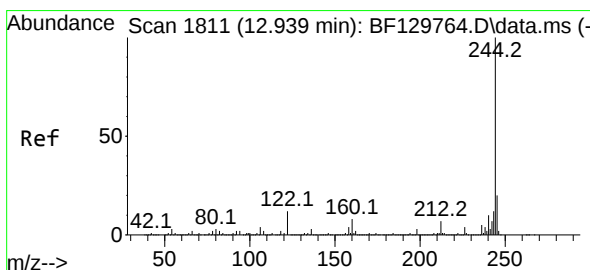
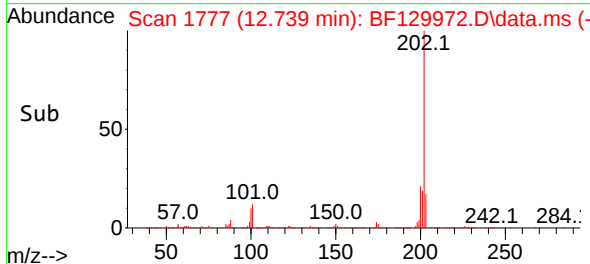
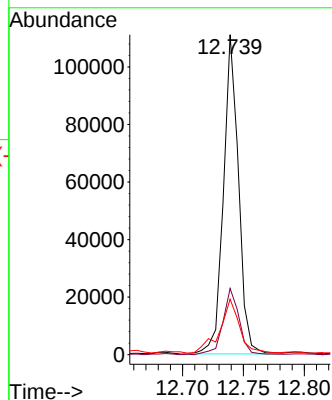
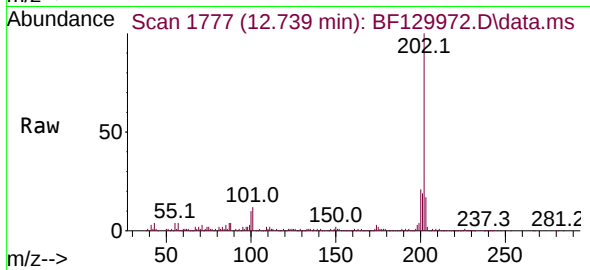
Tgt Ion:202 Resp: 95663

Ion Ratio Lower Upper

202 100

200 20.7 17.0 25.6

203 17.4 14.1 21.1



#79

Terphenyl-d14

Concen: 4.150 ng

RT: 12.874 min Scan# 1800

Delta R.T. -0.012 min

Lab File: BF129972.D

Acq: 24 Aug 2022 14:07

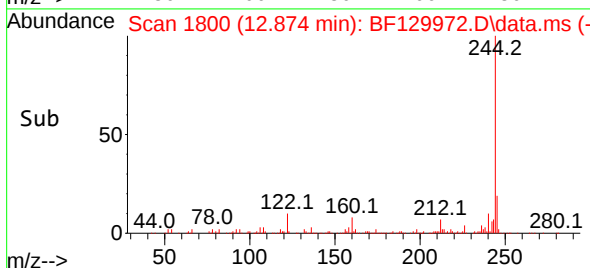
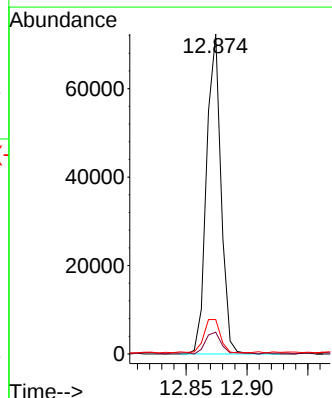
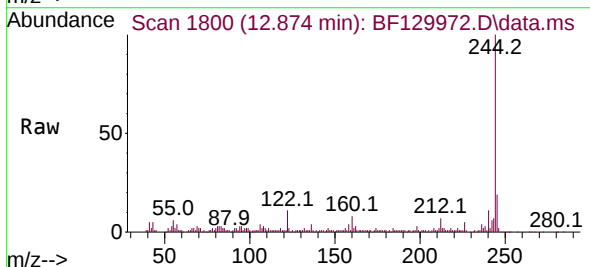
Tgt Ion:244 Resp: 59417

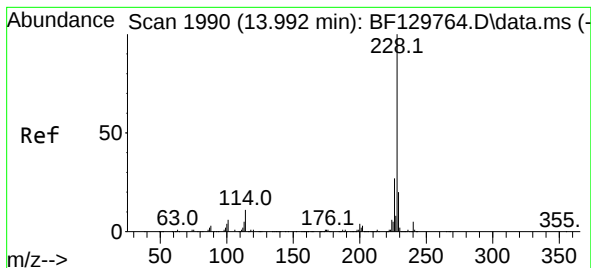
Ion Ratio Lower Upper

244 100

212 6.8 5.9 8.9

122 10.7 9.9 14.9





#81

Benzo(a)anthracene

Concen: 3.614 ng

RT: 13.927 min Scan# 1979

Delta R.T. -0.012 min

Lab File: BF129972.D

Acq: 24 Aug 2022 14:07

Instrument :

BNA\_F

ClientSampleId :

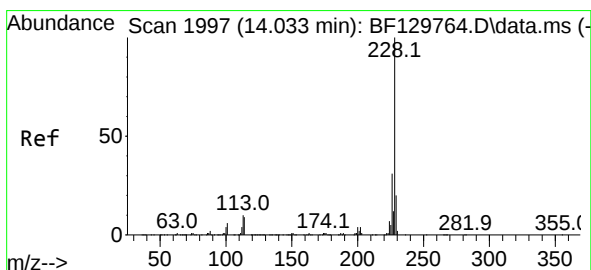
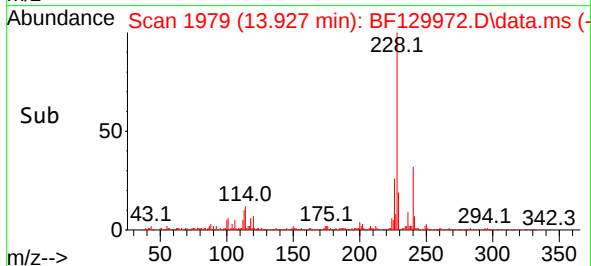
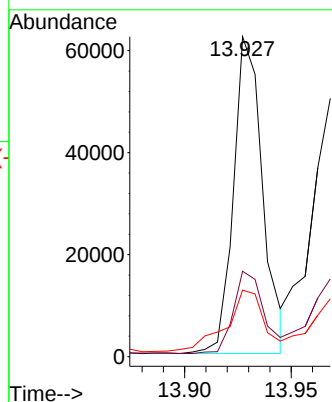
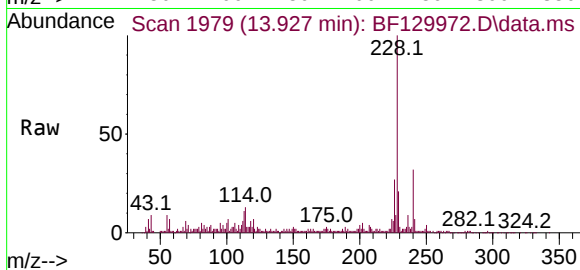
Tgt Ion:228 Resp: 59217

Ion Ratio Lower Upper

228 100

226 26.7 21.4 32.0

229 20.8 16.1 24.1



#83

Chrysene

Concen: 3.320 ng

RT: 13.968 min Scan# 1986

Delta R.T. -0.012 min

Lab File: BF129972.D

Acq: 24 Aug 2022 14:07

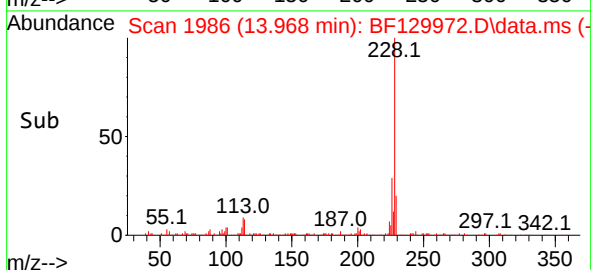
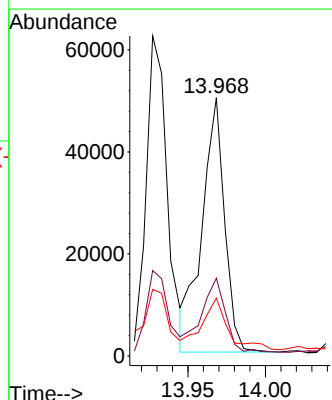
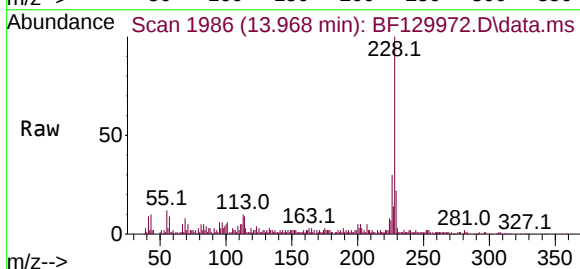
Tgt Ion:228 Resp: 50933

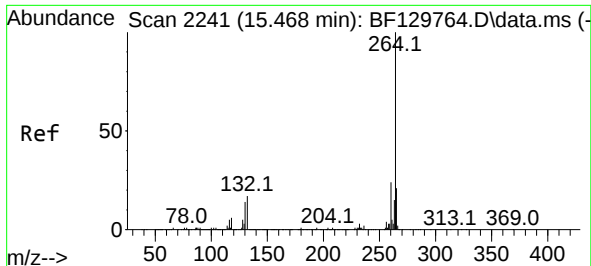
Ion Ratio Lower Upper

228 100

226 30.1 24.4 36.6

229 22.4 15.9 23.9

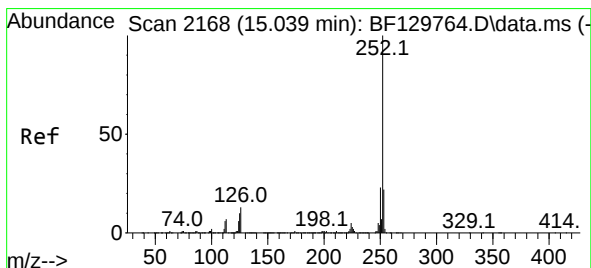
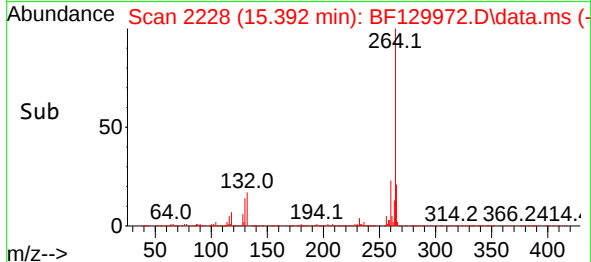
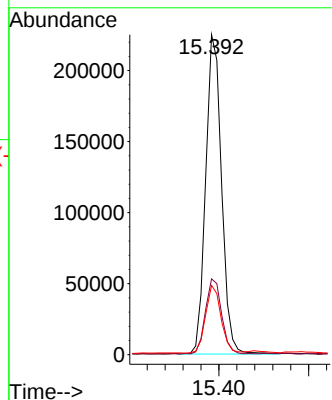
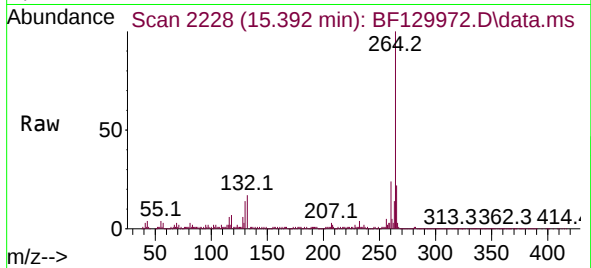




#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.392 min Scan# 21  
 Delta R.T. -0.006 min  
 Lab File: BF129972.D  
 Acq: 24 Aug 2022 14:07

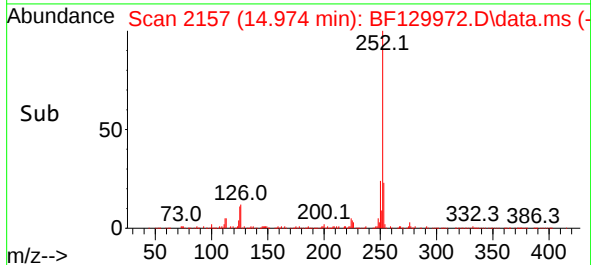
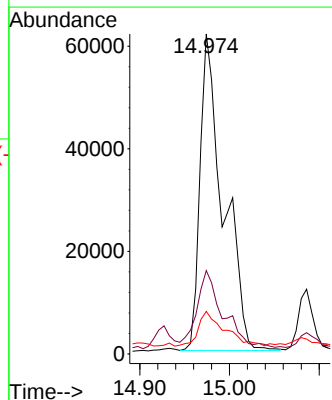
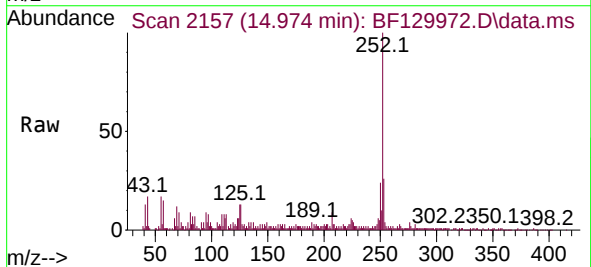
Instrument :  
 BNA\_F  
 ClientSampleId :

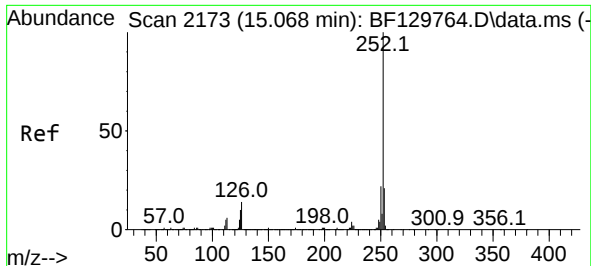
Tgt Ion:264 Resp: 275851  
 Ion Ratio Lower Upper  
 264 100  
 260 23.7 19.1 28.7  
 265 21.6 16.7 25.1



#88  
 Benzo(b)fluoranthene  
 Concen: 5.869 ng  
 RT: 14.974 min Scan# 2157  
 Delta R.T. -0.006 min  
 Lab File: BF129972.D  
 Acq: 24 Aug 2022 14:07

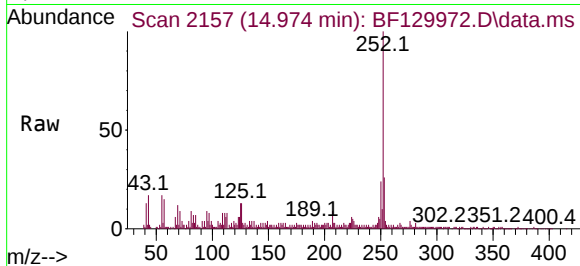
Tgt Ion:252 Resp: 110869  
 Ion Ratio Lower Upper  
 252 100  
 253 26.0 17.5 26.3  
 125 13.3 8.3 12.5#



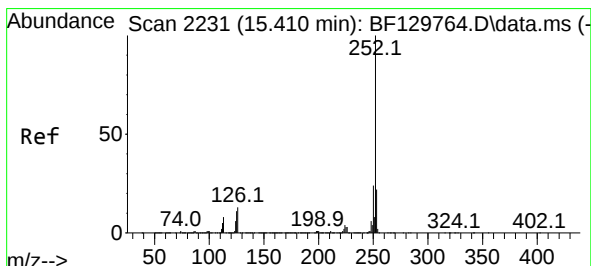
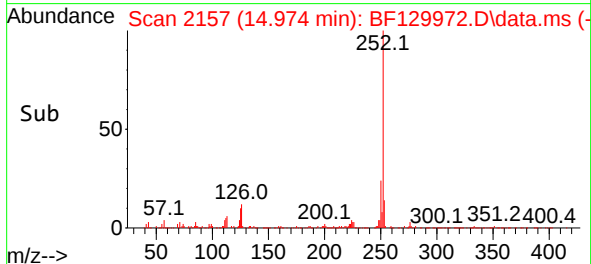
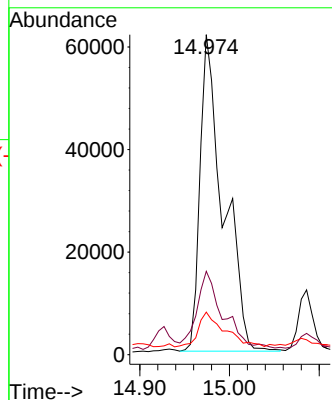


#89  
Benzo(k)fluoranthene  
Concen: 6.120 ng  
RT: 14.974 min Scan# 2173  
Delta R.T. -0.035 min  
Lab File: BF129972.D  
Acq: 24 Aug 2022 14:07

Instrument :  
BNA\_F  
ClientSampleId :



Tgt Ion:252 Resp: 110869  
Ion Ratio Lower Upper  
252 100  
253 26.0 17.1 25.7#  
125 13.3 8.3 12.5#



#90  
Benzo(a)pyrene  
Concen: 4.164 ng  
RT: 15.333 min Scan# 2218  
Delta R.T. -0.006 min  
Lab File: BF129972.D  
Acq: 24 Aug 2022 14:07

Tgt Ion:252 Resp: 61933  
Ion Ratio Lower Upper  
252 100  
253 24.5 17.2 25.8  
125 15.2 8.8 13.2#

