

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF082422\  
 Data File : BF129989.D  
 Acq On : 25 Aug 2022 01:03  
 Operator : CG\JU  
 Sample : N4244-08  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-103S

Quant Time: Aug 25 04:18:49 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF081422.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 25 04:08:38 2022  
 Response via : Initial Calibration

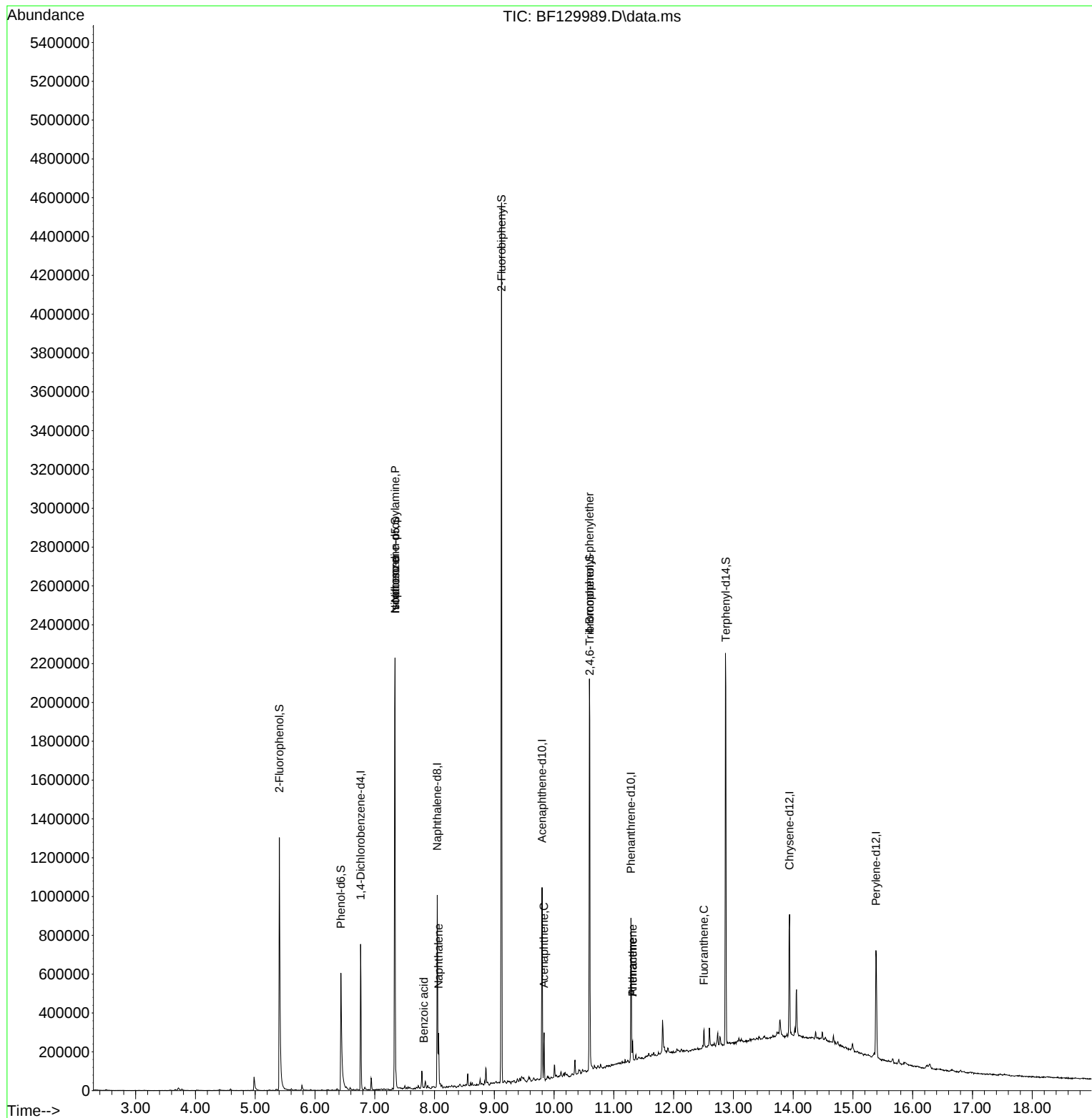
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.763  | 152  | 101586   | 20.000    | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.045  | 136  | 381953   | 20.000    | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.798  | 164  | 176475   | 20.000    | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.286 | 188  | 252669   | 20.000    | ng    | 0.00     |
| 76) Chrysene-d12              | 13.939 | 240  | 210985   | 20.000    | ng    | 0.00     |
| 86) Perylene-d12              | 15.386 | 264  | 249681   | 20.000    | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.404  | 112  | 394246   | 64.256    | ng    | 0.00     |
| 7) Phenol-d6                  | 6.434  | 99   | 285869   | 37.206    | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.340  | 82   | 707876   | 99.211    | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.598 | 330  | 237630   | 134.164   | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.122  | 172  | 1203489  | 103.576   | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.874 | 244  | 665457   | 52.481    | ng    | 0.00     |
| Target Compounds              |        |      |          |           |       |          |
|                               |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde               | 6.293  | 77   | 69       | Below Cal | #     | 1        |
| 19) n-Nitroso-di-n-propyla... | 7.340  | 70   | 96981    | 19.969    | ng    | # 77     |
| 25) Isophorone                | 7.340  | 82   | 707868   | 57.641    | ng    | # 65     |
| 31) Naphthalene               | 8.069  | 128  | 105383   | 5.277     | ng    | 99       |
| 32) Benzoic acid              | 7.822  | 122  | 179      | 2.252     | ng    | 89       |
| 52) Acenaphthene              | 9.833  | 154  | 48625    | 4.982     | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.592 | 248  | 14903    | 5.036     | ng    | # 1      |
| 71) Phenanthrene              | 11.316 | 178  | 37613    | 2.665     | ng    | 97       |
| 72) Anthracene                | 11.316 | 178  | 37613    | 2.680     | ng    | 96       |
| 75) Fluoranthene              | 12.510 | 202  | 34628    | 2.398     | ng    | 91       |
| 77) Benzidine                 | 12.780 | 184  | 579      | Below Cal | #     | 1        |
| -----                         |        |      |          |           |       |          |

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

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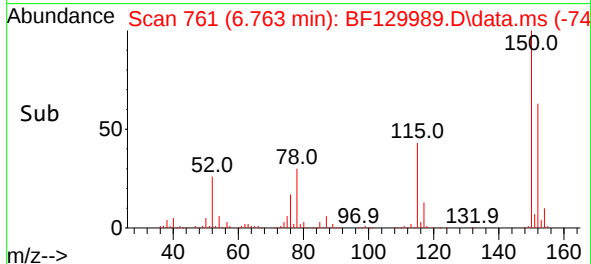
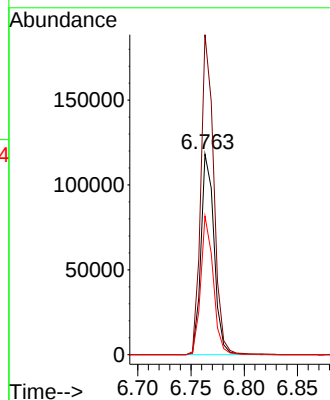
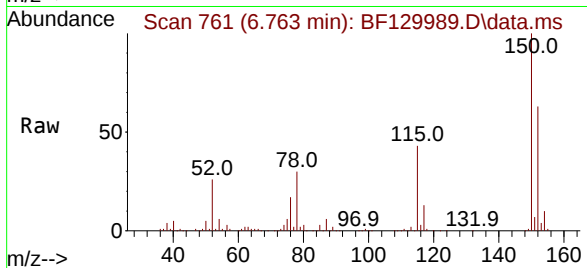




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.763 min Scan# 70  
Delta R.T. -0.006 min  
Lab File: BF129989.D  
Acq: 25 Aug 2022 01:03

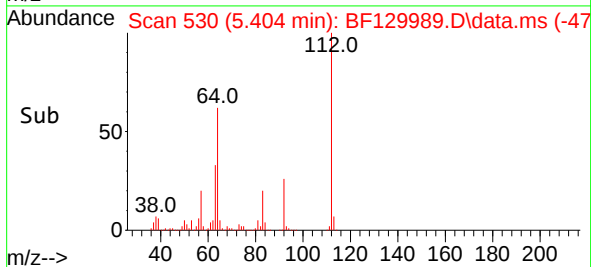
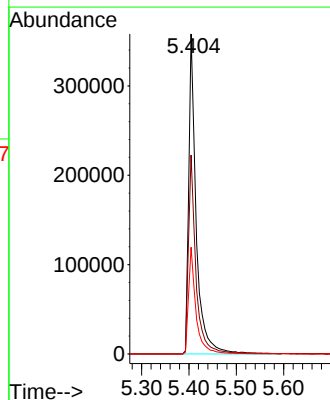
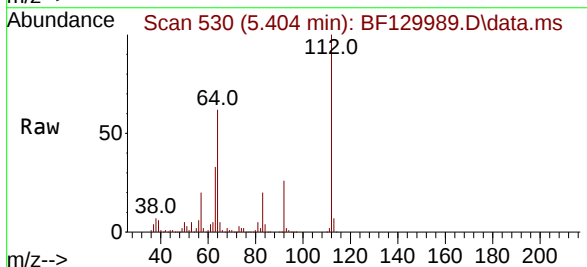
Instrument :  
BNA\_F  
ClientSampleId :  
MW-103S

Tgt Ion:152 Resp: 101586  
Ion Ratio Lower Upper  
152 100  
150 159.7 126.9 190.3  
115 69.1 53.4 80.0



#5  
2-Fluorophenol  
Concen: 64.256 ng  
RT: 5.404 min Scan# 530  
Delta R.T. 0.000 min  
Lab File: BF129989.D  
Acq: 25 Aug 2022 01:03

Tgt Ion:112 Resp: 394246  
Ion Ratio Lower Upper  
112 100  
64 62.1 47.6 71.4  
63 33.4 24.6 37.0

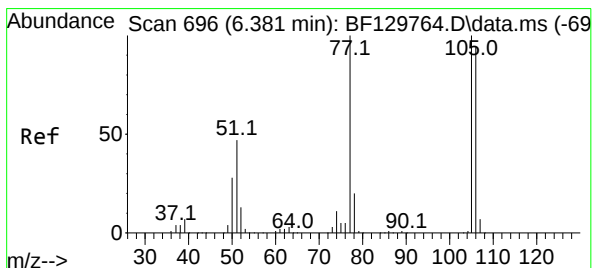
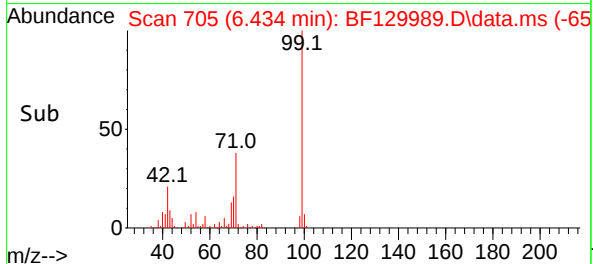
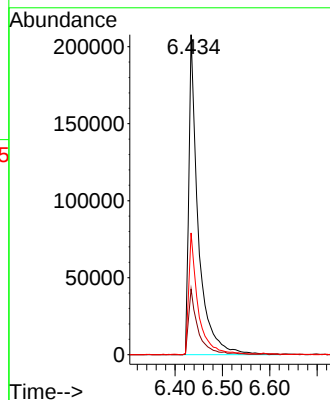
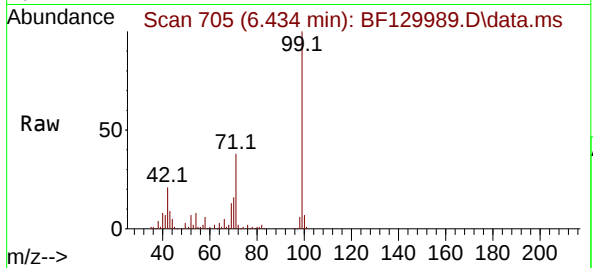




#7  
Phenol-d6  
Concen: 37.206 ng  
RT: 6.434 min Scan# 70  
Delta R.T. 0.006 min  
Lab File: BF129989.D  
Acq: 25 Aug 2022 01:03

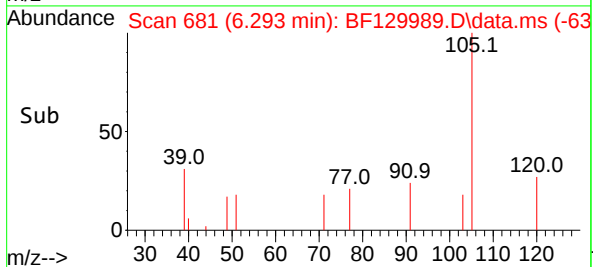
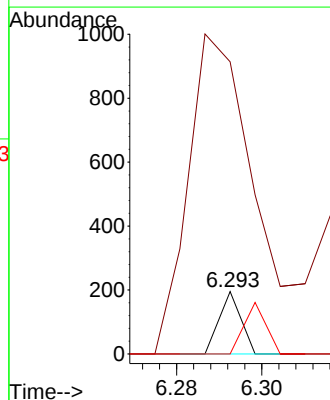
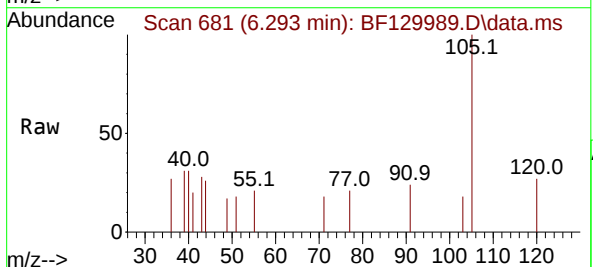
Instrument :  
BNA\_F  
ClientSampleId :  
MW-103S

Tgt Ion: 99 Resp: 285869  
Ion Ratio Lower Upper  
99 100  
42 20.5 15.0 22.4  
71 38.0 28.8 43.2



#9  
Benzaldehyde  
Concen: Below Cal  
RT: 6.293 min Scan# 681  
Delta R.T. -0.035 min  
Lab File: BF129989.D  
Acq: 25 Aug 2022 01:03

Tgt Ion: 77 Resp: 69  
Ion Ratio Lower Upper  
77 100  
105 468.7 80.3 120.3#  
106 0.0 74.3 114.3#

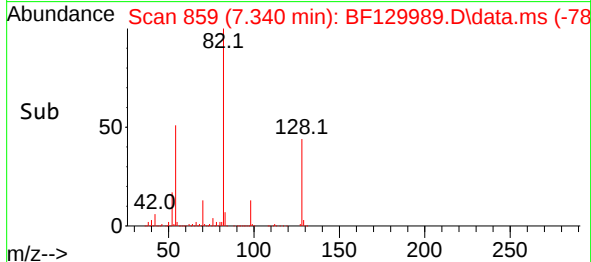
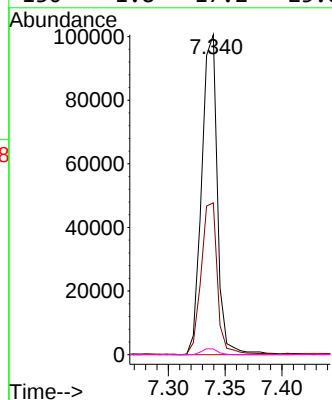
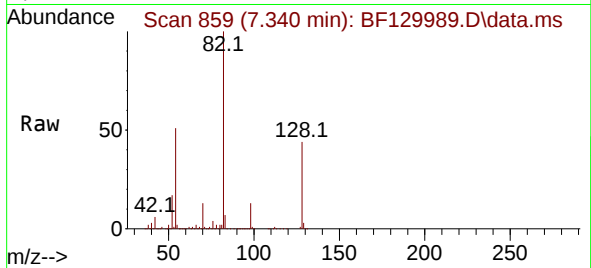




#19  
n-Nitroso-di-n-propylamine  
Concen: 19.969 ng  
RT: 7.340 min Scan# 842  
Delta R.T. 0.153 min  
Lab File: BF129989.D  
Acq: 25 Aug 2022 01:03

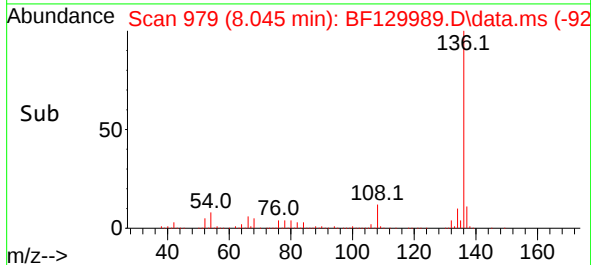
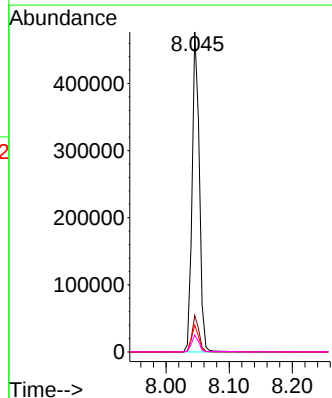
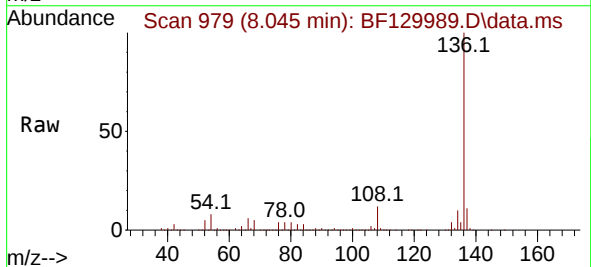
Instrument :  
BNA\_F  
ClientSampleId :  
MW-103S

Tgt Ion: 70 Resp: 96981  
Ion Ratio Lower Upper  
70 100  
42 47.5 47.6 71.4#  
101 0.0 8.1 12.1#  
130 1.8 17.2 25.8#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.045 min Scan# 979  
Delta R.T. -0.006 min  
Lab File: BF129989.D  
Acq: 25 Aug 2022 01:03

Tgt Ion: 136 Resp: 381953  
Ion Ratio Lower Upper  
136 100  
137 11.4 8.4 12.6  
54 8.4 6.2 9.2  
68 5.3 4.2 6.4

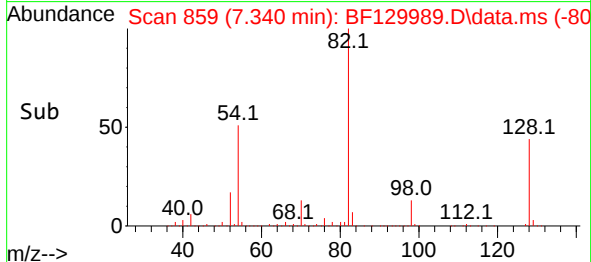
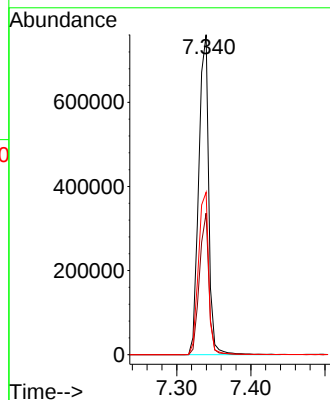
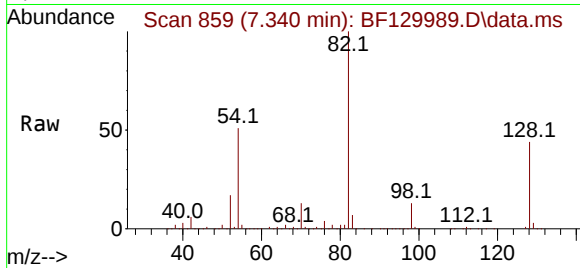




#23  
Nitrobenzene-d5  
Concen: 99.211 ng  
RT: 7.340 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: BF129989.D  
Acq: 25 Aug 2022 01:03

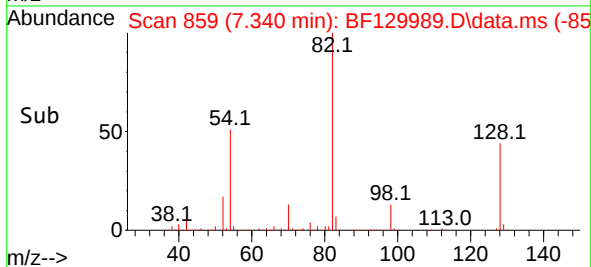
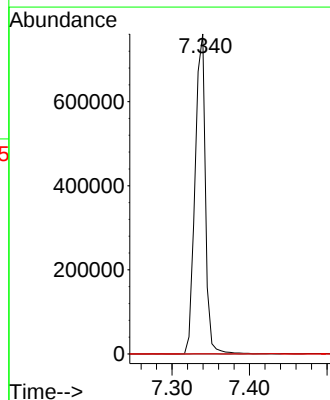
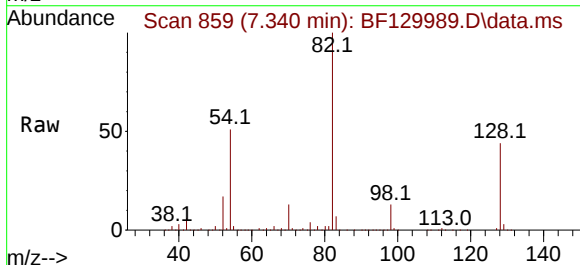
Instrument :  
BNA\_F  
ClientSampleId :  
MW-103S

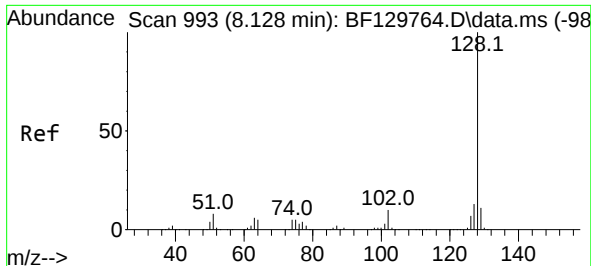
Tgt Ion: 82 Resp: 707876  
Ion Ratio Lower Upper  
82 100  
128 44.2 36.1 54.1  
54 50.8 40.0 60.0



#25  
Isophorone  
Concen: 57.641 ng  
RT: 7.340 min Scan# 859  
Delta R.T. -0.259 min  
Lab File: BF129989.D  
Acq: 25 Aug 2022 01:03

Tgt Ion: 82 Resp: 707868  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.9 8.9#  
138 0.0 14.6 21.8#





#31

Naphthalene

Concen: 5.277 ng

RT: 8.069 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF129989.D

Acq: 25 Aug 2022 01:03

Instrument :

BNA\_F

ClientSampleId :

MW-103S

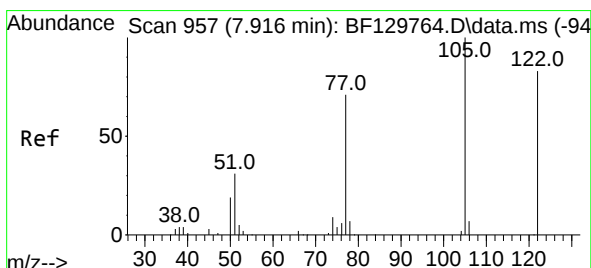
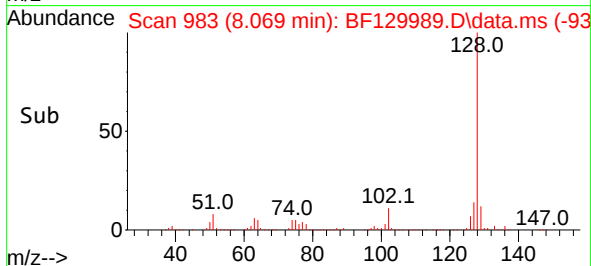
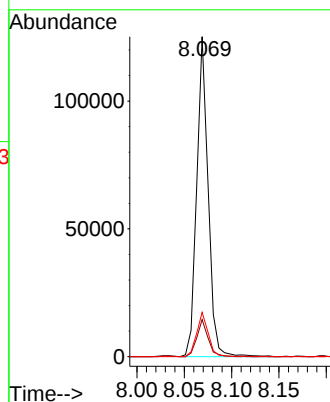
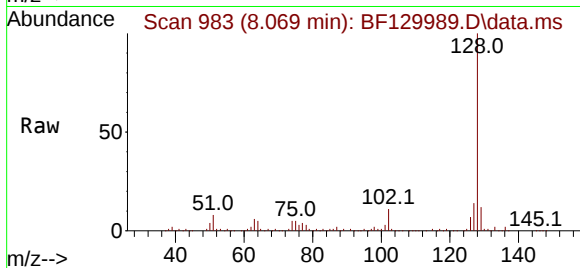
Tgt Ion:128 Resp: 105383

Ion Ratio Lower Upper

128 100

129 11.6 8.9 13.3

127 13.8 10.7 16.1



#32

Benzoic acid

Concen: 2.252 ng

RT: 7.822 min Scan# 941

Delta R.T. -0.053 min

Lab File: BF129989.D

Acq: 25 Aug 2022 01:03

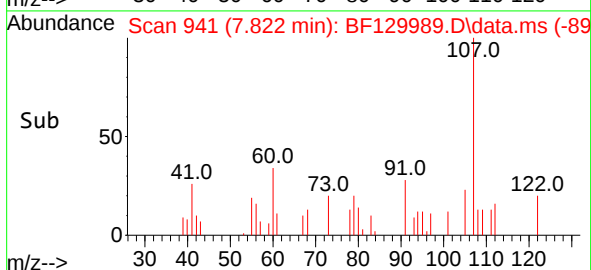
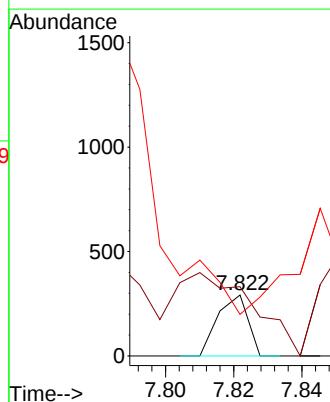
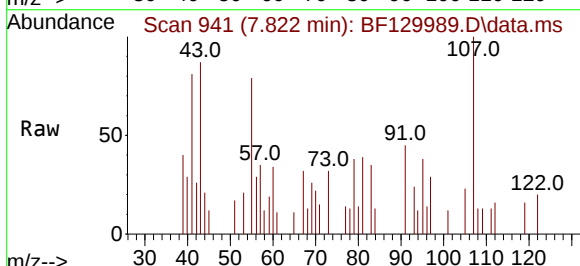
Tgt Ion:122 Resp: 179

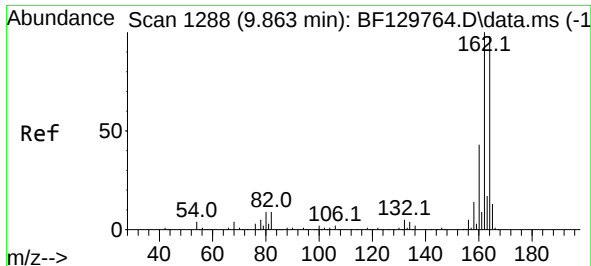
Ion Ratio Lower Upper

122 100

105 113.7 99.9 139.9

77 68.2 65.9 105.9

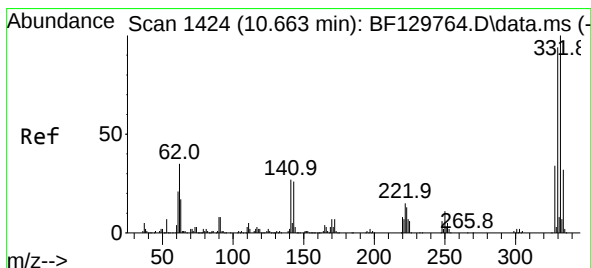
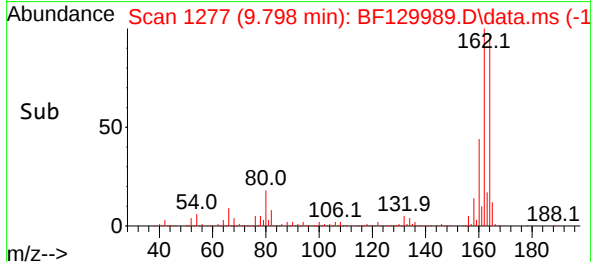
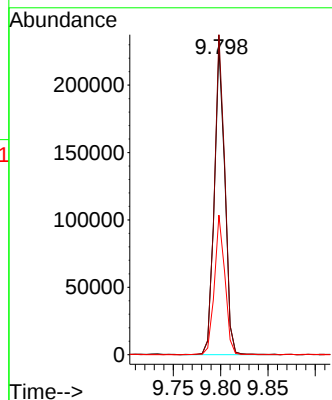
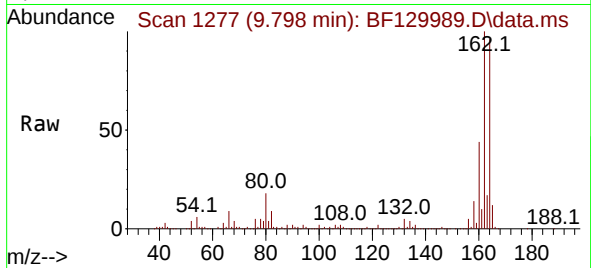




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.798 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF129989.D  
Acq: 25 Aug 2022 01:03

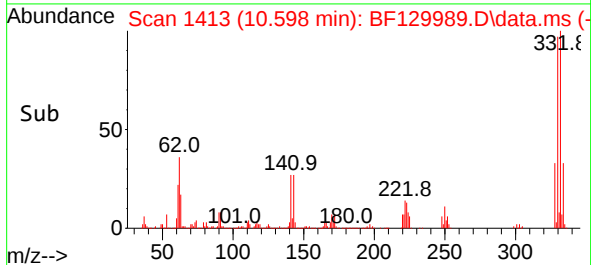
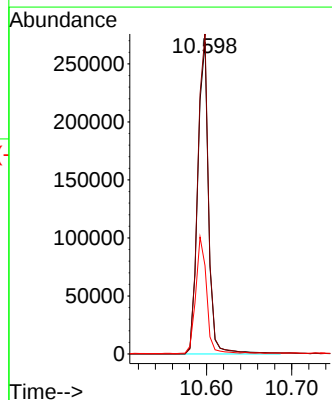
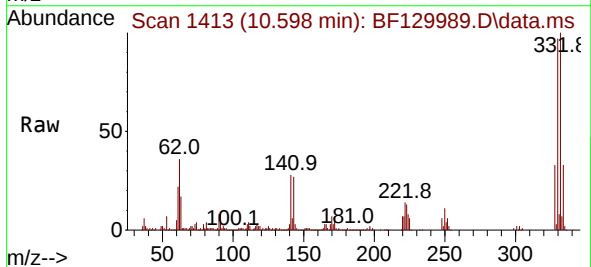
Instrument :  
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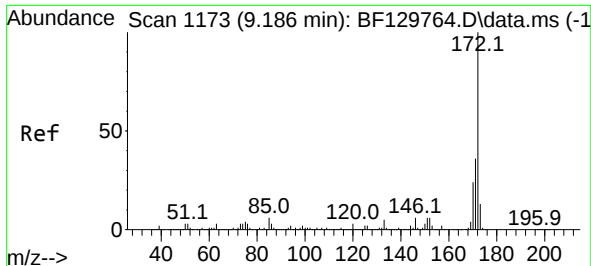
Tgt Ion:164 Resp: 176475  
Ion Ratio Lower Upper  
164 100  
162 104.0 82.0 123.0  
160 45.4 35.4 53.0



#42  
2,4,6-Tribromophenol  
Concen: 134.164 ng  
RT: 10.598 min Scan# 1413  
Delta R.T. -0.006 min  
Lab File: BF129989.D  
Acq: 25 Aug 2022 01:03

Tgt Ion:330 Resp: 237630  
Ion Ratio Lower Upper  
330 100  
332 102.2 82.6 124.0  
141 37.1 27.6 41.4





#45

2-Fluorobiphenyl

Concen: 103.576 ng

RT: 9.122 min Scan# 1173

Delta R.T. -0.006 min

Lab File: BF129989.D

Acq: 25 Aug 2022 01:03

Instrument :

BNA\_F

ClientSampleId :

MW-103S

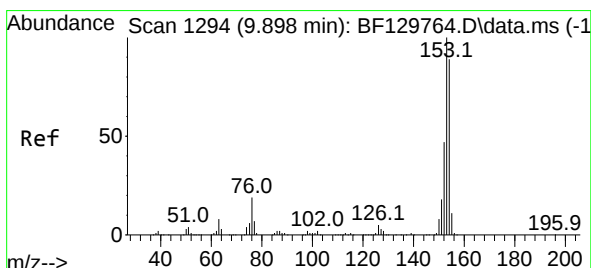
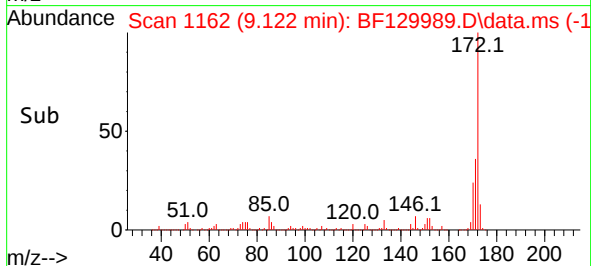
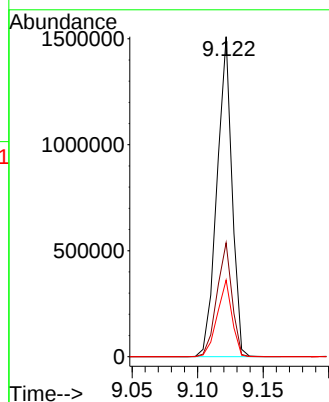
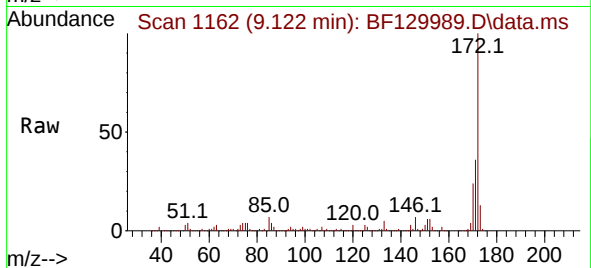
Tgt Ion:172 Resp: 1203489

Ion Ratio Lower Upper

172 100

171 35.6 28.4 42.6

170 24.0 19.1 28.7



#52

Acenaphthene

Concen: 4.982 ng

RT: 9.833 min Scan# 1283

Delta R.T. -0.006 min

Lab File: BF129989.D

Acq: 25 Aug 2022 01:03

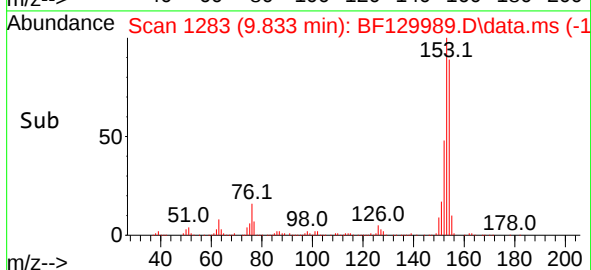
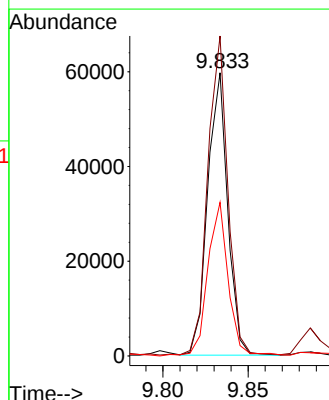
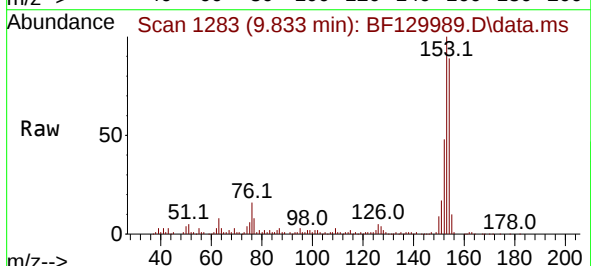
Tgt Ion:154 Resp: 48625

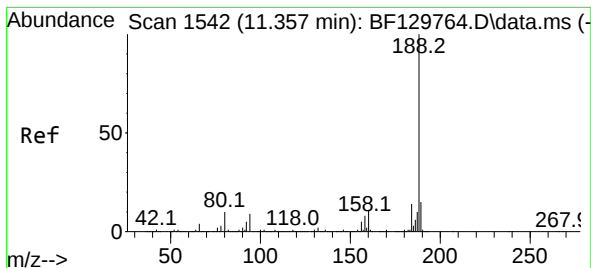
Ion Ratio Lower Upper

154 100

153 113.0 89.8 134.6

152 54.2 42.1 63.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.286 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF129989.D

Acq: 25 Aug 2022 01:03

Instrument :

BNA\_F

ClientSampleId :

MW-103S

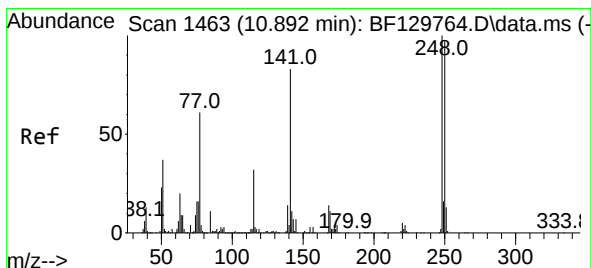
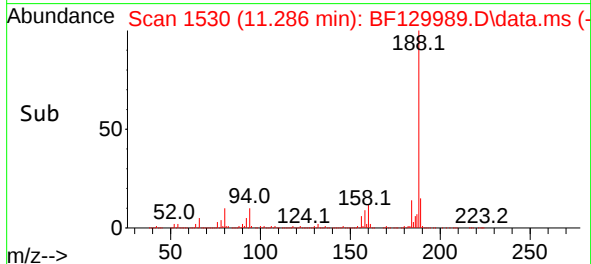
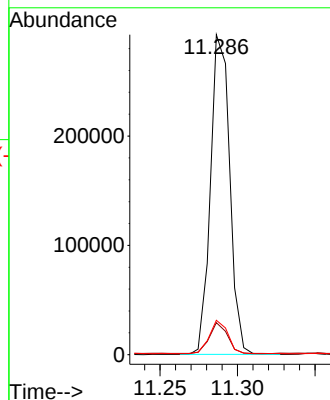
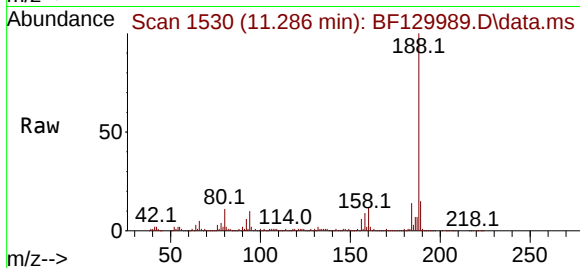
Tgt Ion:188 Resp: 252669

Ion Ratio Lower Upper

188 100

94 10.0 7.4 11.2

80 10.8 7.9 11.9



#67

4-Bromophenyl-phenylether

Concen: 5.036 ng

RT: 10.592 min Scan# 1412

Delta R.T. -0.241 min

Lab File: BF129989.D

Acq: 25 Aug 2022 01:03

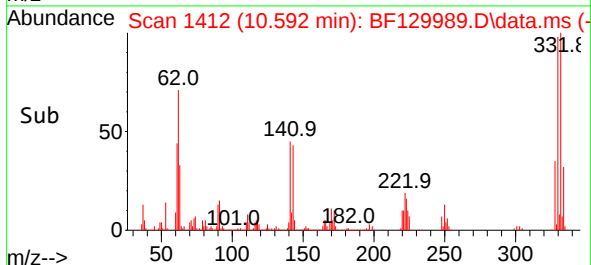
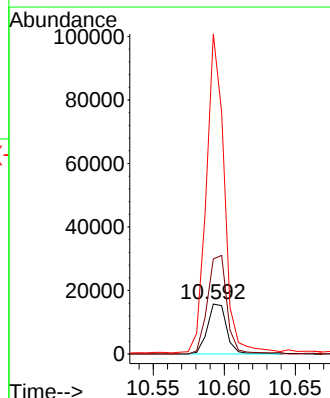
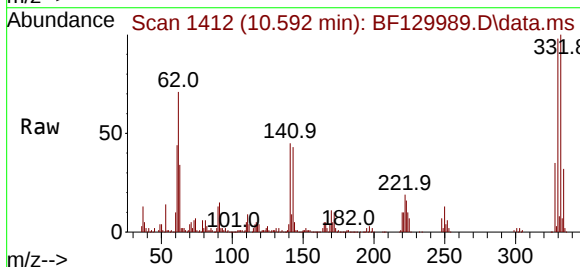
Tgt Ion:248 Resp: 14903

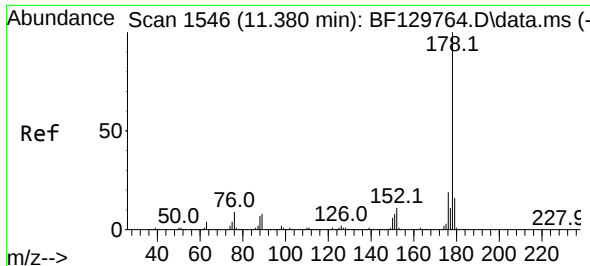
Ion Ratio Lower Upper

248 100

250 190.6 77.8 116.6#

141 641.6 66.2 99.2#

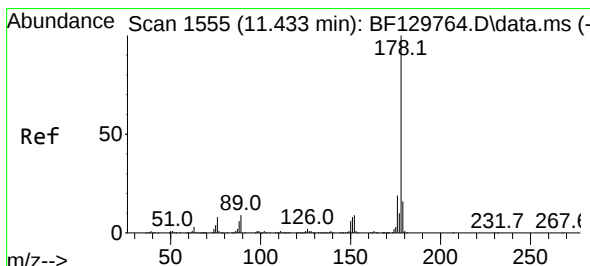
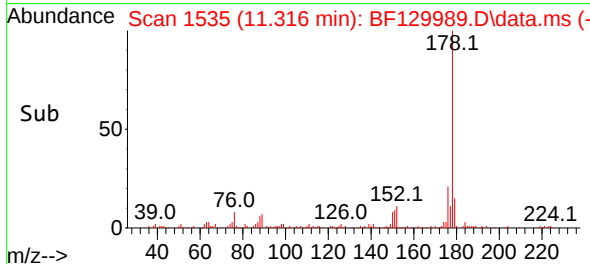
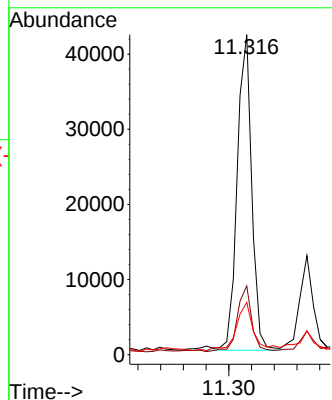
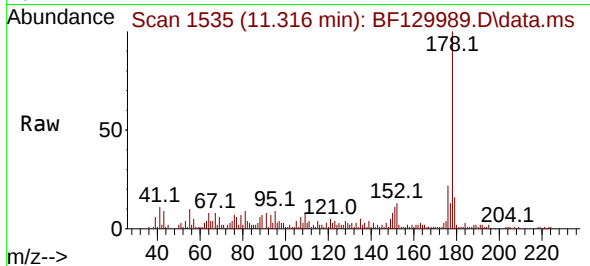




#71  
Phenanthrene  
Concen: 2.665 ng  
RT: 11.316 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF129989.D  
Acq: 25 Aug 2022 01:03

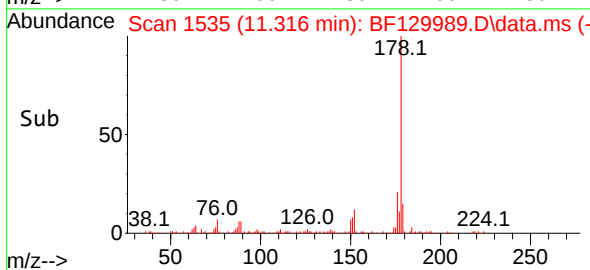
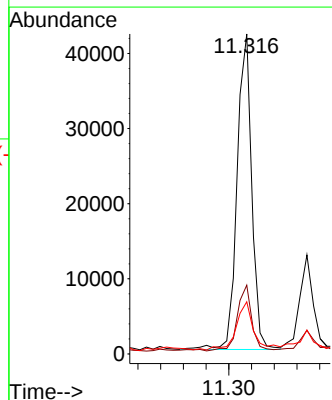
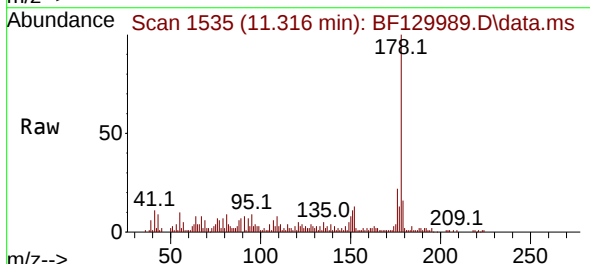
Instrument :  
BNA\_F  
ClientSampleId :  
MW-103S

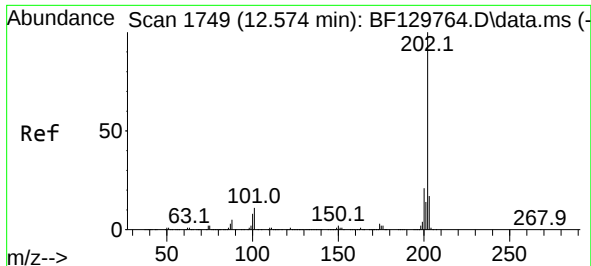
Tgt Ion:178 Resp: 37613  
Ion Ratio Lower Upper  
178 100  
176 21.5 15.5 23.3  
179 16.3 12.5 18.7



#72  
Anthracene  
Concen: 2.680 ng  
RT: 11.316 min Scan# 1535  
Delta R.T. -0.059 min  
Lab File: BF129989.D  
Acq: 25 Aug 2022 01:03

Tgt Ion:178 Resp: 37613  
Ion Ratio Lower Upper  
178 100  
176 21.5 15.1 22.7  
179 16.3 12.6 18.8

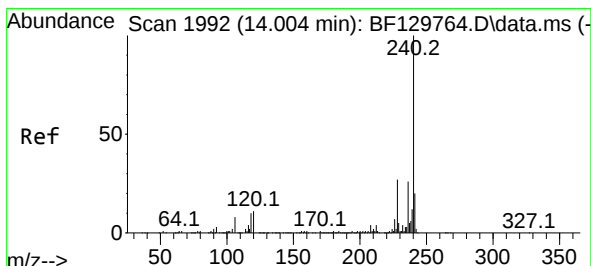
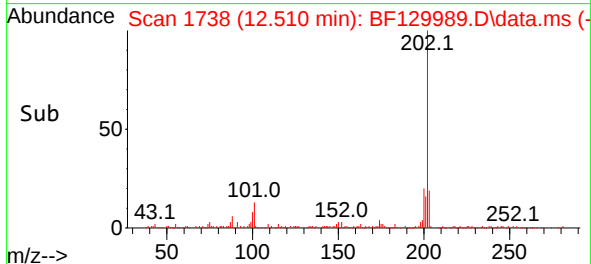
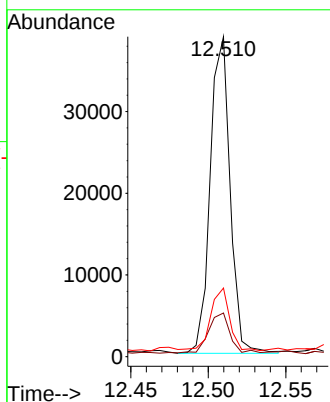
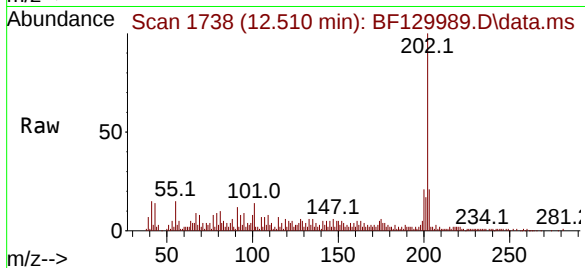




#75  
Fluoranthene  
Concen: 2.398 ng  
RT: 12.510 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF129989.D  
Acq: 25 Aug 2022 01:03

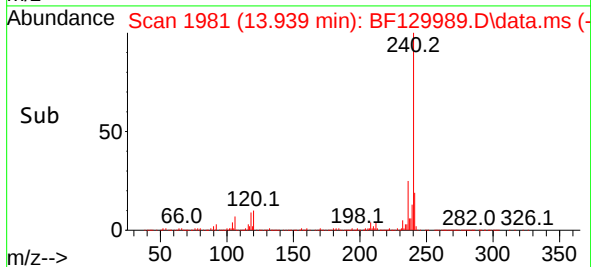
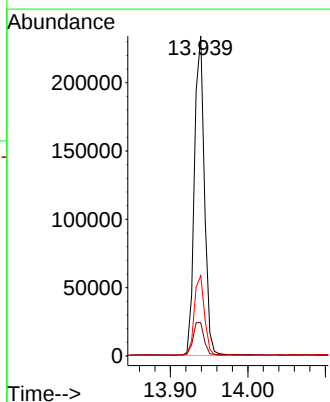
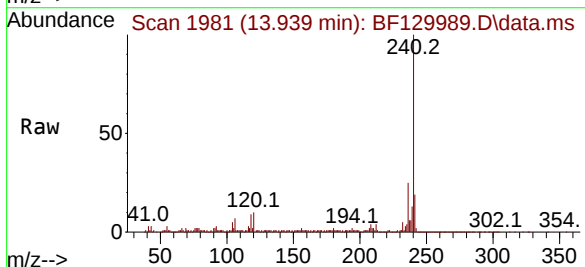
Instrument :  
BNA\_F  
ClientSampleId :  
MW-103S

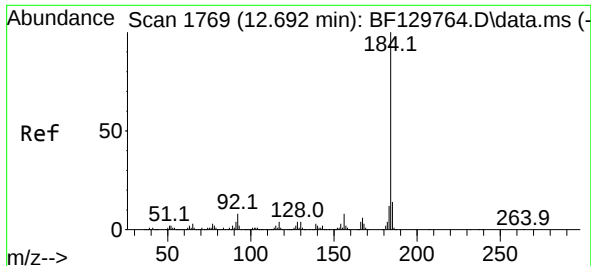
Tgt Ion:202 Resp: 34628  
Ion Ratio Lower Upper  
202 100  
101 13.7 0.0 30.7  
203 21.5 0.0 37.5



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.939 min Scan# 1981  
Delta R.T. 0.000 min  
Lab File: BF129989.D  
Acq: 25 Aug 2022 01:03

Tgt Ion:240 Resp: 210985  
Ion Ratio Lower Upper  
240 100  
120 10.4 9.2 13.8  
236 25.1 20.7 31.1

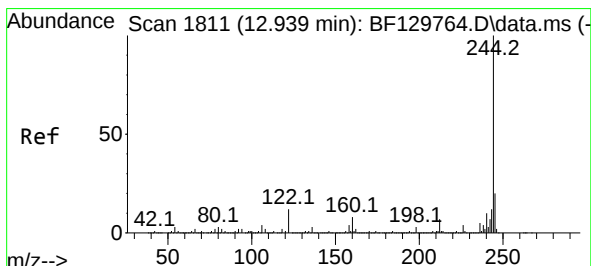
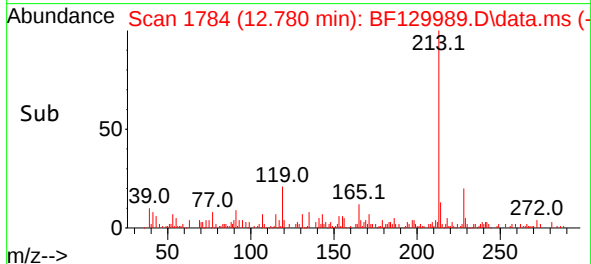
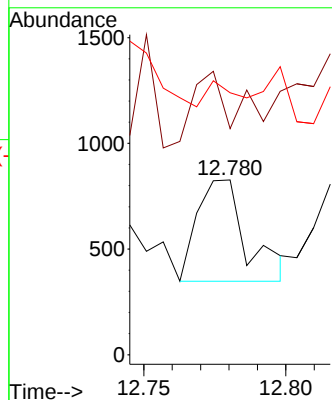
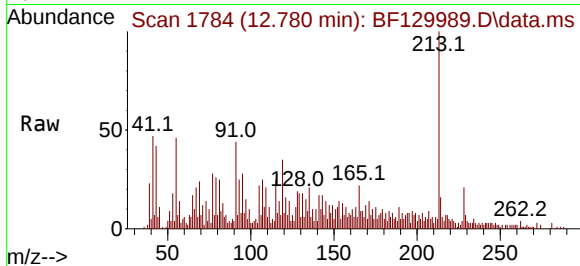




#77  
Benzidine  
Concen: Below Cal  
RT: 12.780 min Scan# 11  
Delta R.T. 0.147 min  
Lab File: BF129989.D  
Acq: 25 Aug 2022 01:03

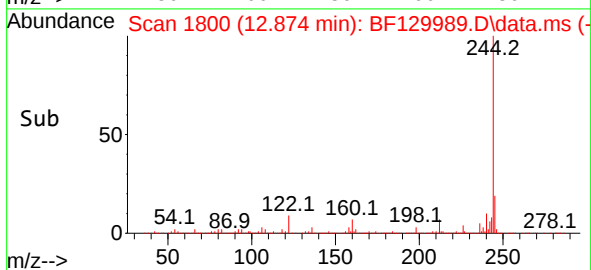
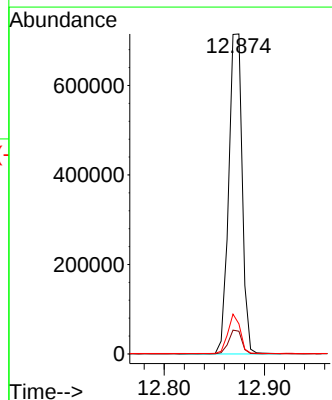
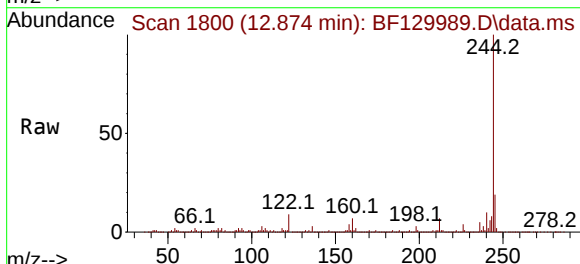
Instrument :  
BNA\_F  
ClientSampleId :  
MW-103S

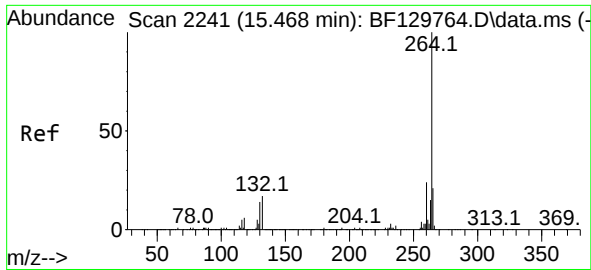
Tgt Ion:184 Resp: 579  
Ion Ratio Lower Upper  
184 100  
185 129.4 11.4 17.2#  
183 149.8 9.4 14.2#



#79  
Terphenyl-d14  
Concen: 52.481 ng  
RT: 12.874 min Scan# 1800  
Delta R.T. 0.000 min  
Lab File: BF129989.D  
Acq: 25 Aug 2022 01:03

Tgt Ion:244 Resp: 665457  
Ion Ratio Lower Upper  
244 100  
212 7.1 5.9 8.9  
122 9.4 9.9 14.9#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.386 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF129989.D

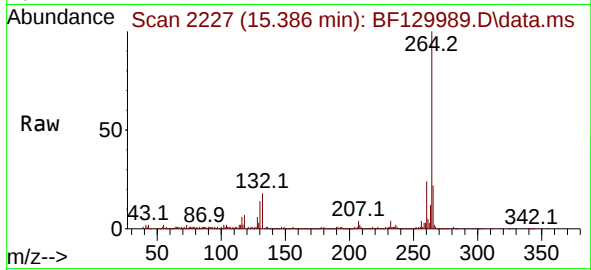
Acq: 25 Aug 2022 01:03

Instrument :

BNA\_F

ClientSampleId :

MW-103S



Tgt Ion:264 Resp: 249681

Ion Ratio Lower Upper

264 100

260 24.4 19.1 28.7

265 21.8 16.7 25.1

