

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF071522\  
 Data File : BF129253.D  
 Acq On : 15 Jul 2022 23:07  
 Operator : CG\JU  
 Sample : N3720-01  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RIDGEFIELD-M&R-SP

Quant Time: Jul 16 01:43:53 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF071522.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 15 12:55:49 2022  
 Response via : Initial Calibration

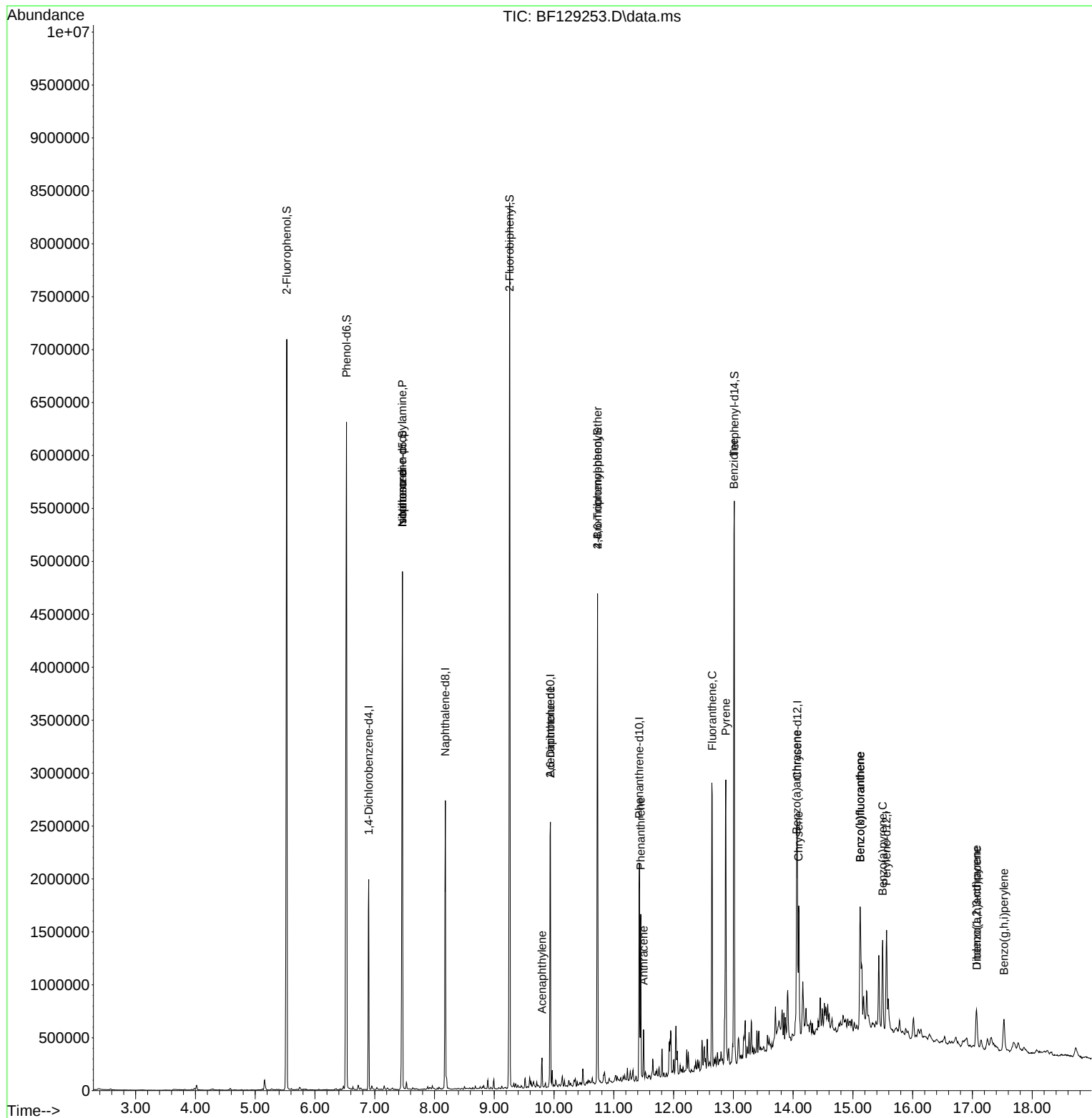
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.898  | 152  | 278896   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.181  | 136  | 1095646  | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.939  | 164  | 521534   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.428 | 188  | 716349   | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12              | 14.069 | 240  | 440065   | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12              | 15.563 | 264  | 371529   | 20.000  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.528  | 112  | 2029603  | 116.222 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.528  | 99   | 2624645  | 116.206 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.463  | 82   | 1632096  | 79.627  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.728 | 330  | 490126   | 101.251 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.257  | 172  | 2547544  | 82.757  | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.016 | 244  | 1842391  | 78.319  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.463  | 70   | 219706   | 16.538  | ng    | # 75     |
| 25) Isophorone                | 7.463  | 82   | 1629327  | 47.298  | ng    | # 65     |
| 49) Acenaphthylene            | 9.798  | 152  | 105421   | 2.411   | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.939  | 165  | 68630    | 9.371   | ng    | # 25     |
| 67) 4-Bromophenyl-phenylether | 10.728 | 248  | 31639    | 4.196   | ng    | # 1      |
| 71) Phenanthrene              | 11.451 | 178  | 547526   | 15.054  | ng    | 98       |
| 72) Anthracene                | 11.498 | 178  | 158724   | 4.393   | ng    | 98       |
| 75) Fluoranthene              | 12.645 | 202  | 1060881  | 29.288  | ng    | 99       |
| 77) Benzidine                 | 13.010 | 184  | 28323    | 2.299   | ng    | # 92     |
| 78) Pyrene                    | 12.874 | 202  | 1059603  | 29.728  | ng    | 99       |
| 81) Benzo(a)anthracene        | 14.057 | 228  | 524033   | 18.879  | ng    | 96       |
| 83) Chrysene                  | 14.092 | 228  | 489150   | 18.462  | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.068 | 276  | 243794   | 10.523  | ng    | 96       |
| 88) Benzo(b)fluoranthene      | 15.121 | 252  | 840325   | 36.817  | ng    | # 97     |
| 89) Benzo(k)fluoranthene      | 15.121 | 252  | 840325   | 37.684  | ng    | # 97     |
| 90) Benzo(a)pyrene            | 15.498 | 252  | 405188   | 21.807  | ng    | 96       |
| 91) Dibenzo(a,h)anthracene    | 17.074 | 278  | 59418    | 3.171   | ng    | # 83     |
| 92) Benzo(g,h,i)perylene      | 17.527 | 276  | 240256   | 12.542  | ng    | 96       |
| -----                         |        |      |          |         |       |          |

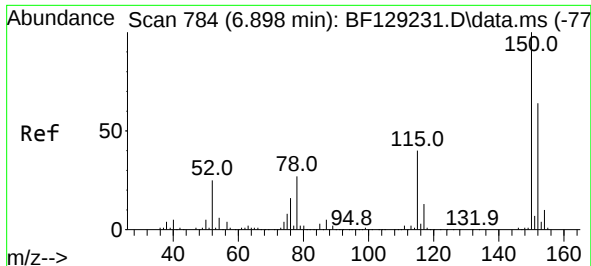
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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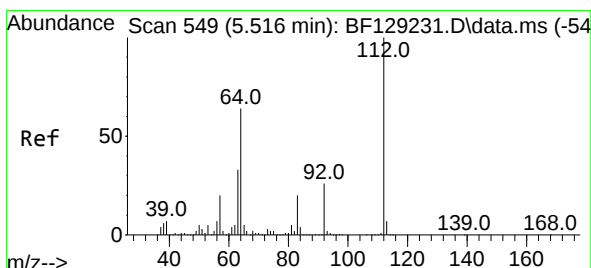
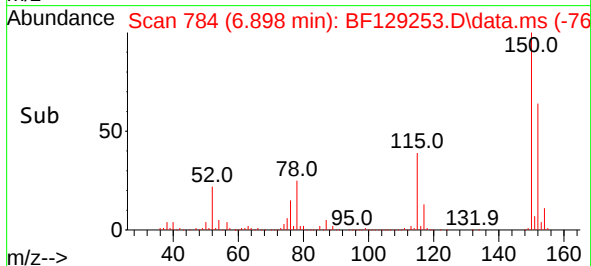
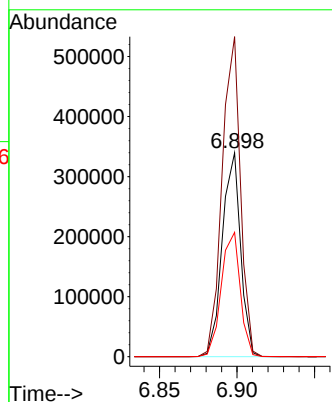
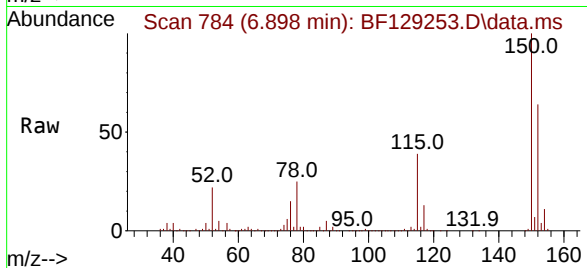




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.898 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: BF129253.D  
Acq: 15 Jul 2022 23:07

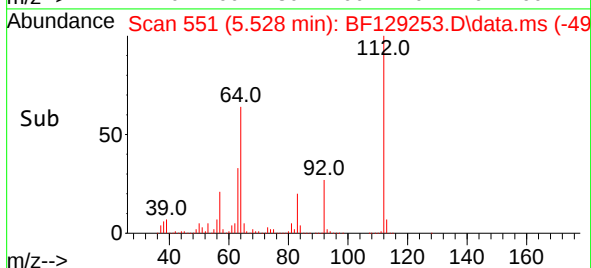
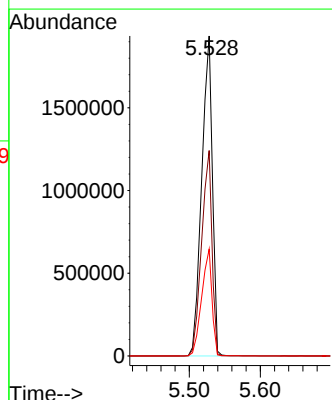
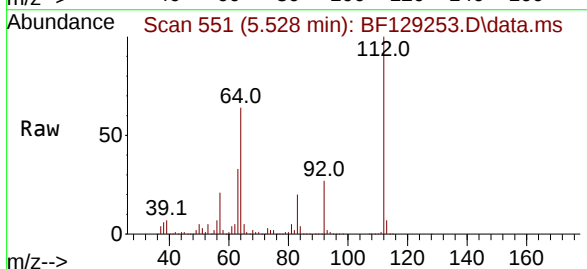
Instrument :  
BNA\_F  
ClientSampleId :  
RIDGEFIELD-M&R-SP

Tgt Ion:152 Resp: 278896  
Ion Ratio Lower Upper  
152 100  
150 157.0 123.7 185.5  
115 61.0 49.9 74.9



#5  
2-Fluorophenol  
Concen: 116.222 ng  
RT: 5.528 min Scan# 551  
Delta R.T. 0.012 min  
Lab File: BF129253.D  
Acq: 15 Jul 2022 23:07

Tgt Ion:112 Resp: 2029603  
Ion Ratio Lower Upper  
112 100  
64 64.2 53.3 79.9  
63 33.4 28.0 42.0

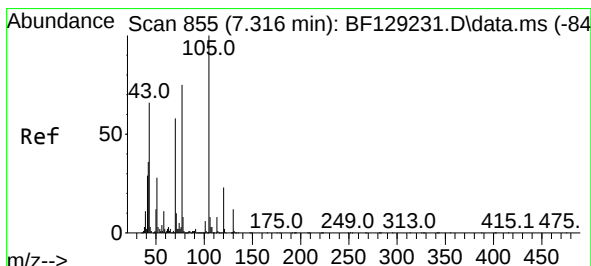
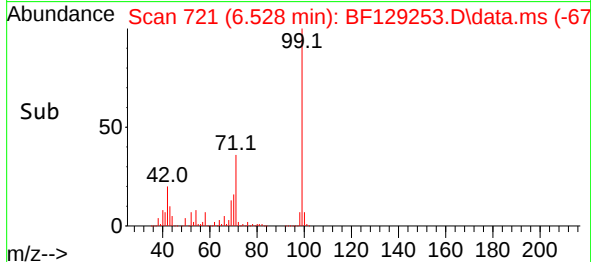
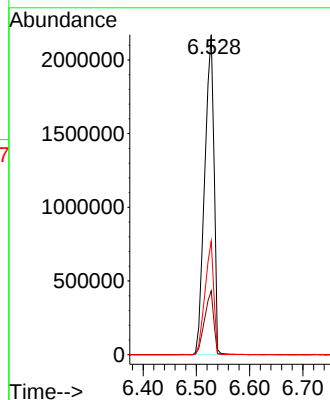
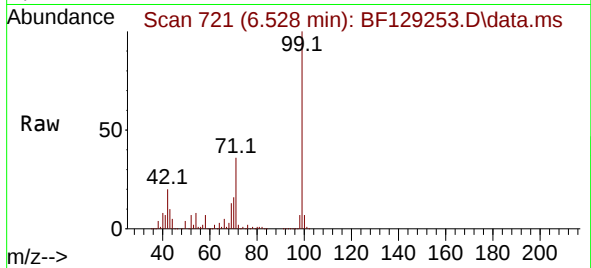




#7  
Phenol-d6  
Concen: 116.206 ng  
RT: 6.528 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: BF129253.D  
Acq: 15 Jul 2022 23:07

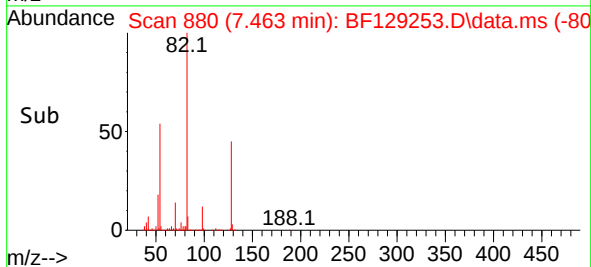
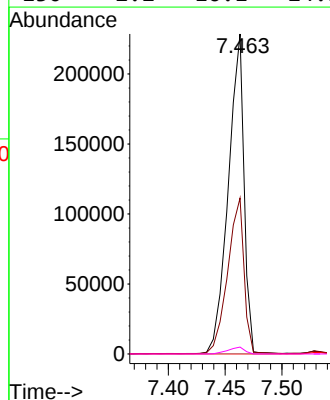
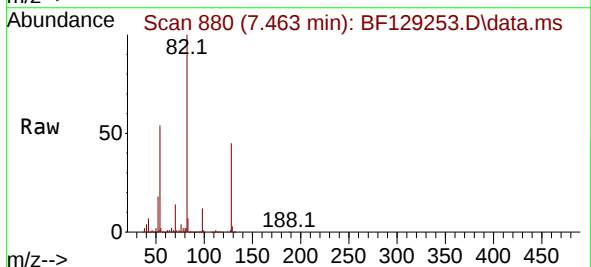
Instrument :  
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ClientSampleId :  
RIDGEFIELD-M&R-SP

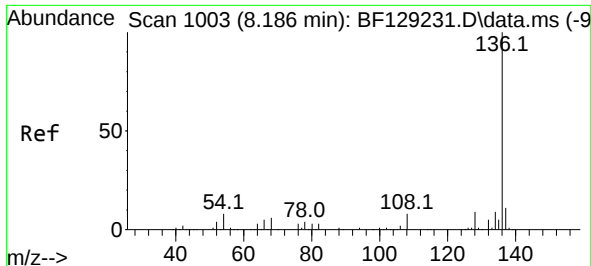
Tgt Ion: 99 Resp: 2624645  
Ion Ratio Lower Upper  
99 100  
42 20.0 17.3 25.9  
71 35.5 28.9 43.3



#19  
n-Nitroso-di-n-propylamine  
Concen: 16.538 ng  
RT: 7.463 min Scan# 880  
Delta R.T. 0.147 min  
Lab File: BF129253.D  
Acq: 15 Jul 2022 23:07

Tgt Ion: 70 Resp: 219706  
Ion Ratio Lower Upper  
70 100  
42 48.7 52.3 78.5#  
101 0.0 7.5 11.3#  
130 2.2 16.1 24.1#

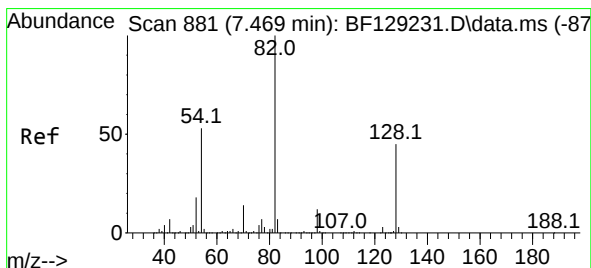
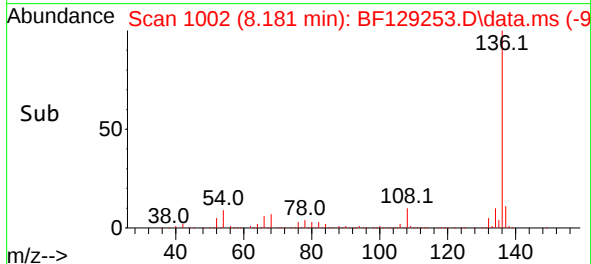
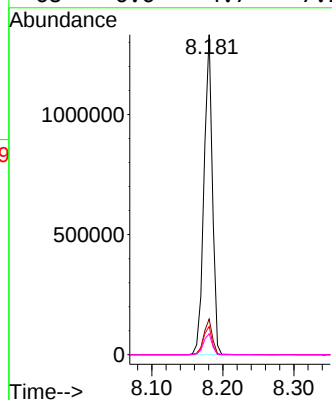
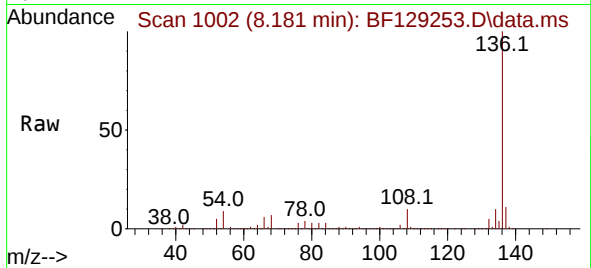




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.181 min Scan# 1003  
Delta R.T. -0.006 min  
Lab File: BF129253.D  
Acq: 15 Jul 2022 23:07

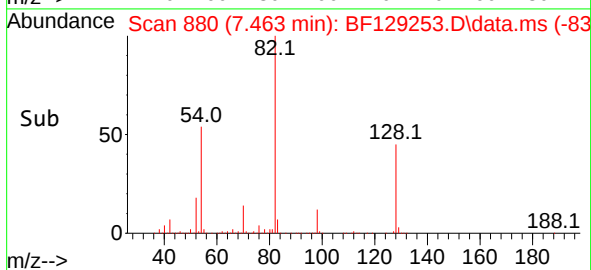
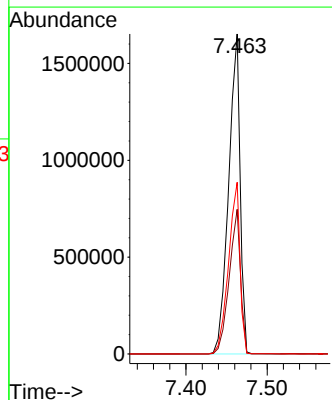
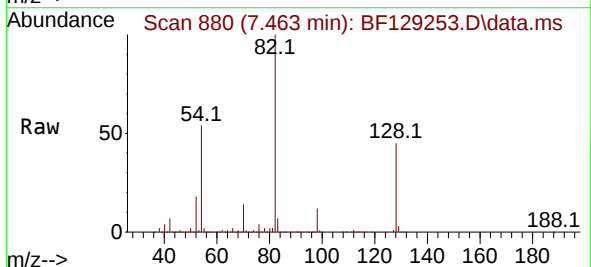
Instrument :  
BNA\_F  
ClientSampleId :  
RIDGEFIELD-M&R-SP

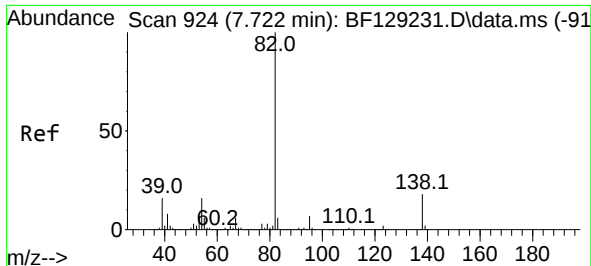
Tgt Ion:136 Resp: 1095646  
Ion Ratio Lower Upper  
136 100  
137 11.1 8.8 13.2  
54 8.8 7.5 11.3  
68 6.6 4.7 7.1



#23  
Nitrobenzene-d5  
Concen: 79.627 ng  
RT: 7.463 min Scan# 880  
Delta R.T. -0.006 min  
Lab File: BF129253.D  
Acq: 15 Jul 2022 23:07

Tgt Ion: 82 Resp: 1632096  
Ion Ratio Lower Upper  
82 100  
128 45.2 34.0 51.0  
54 53.6 46.9 70.3

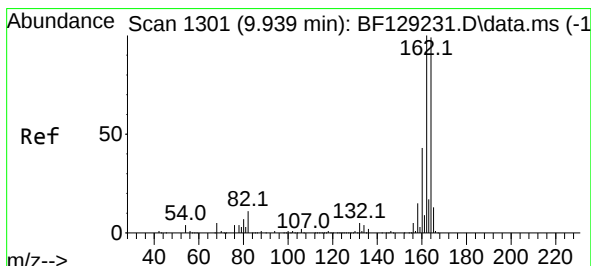
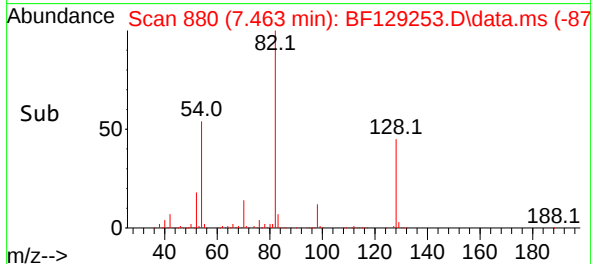
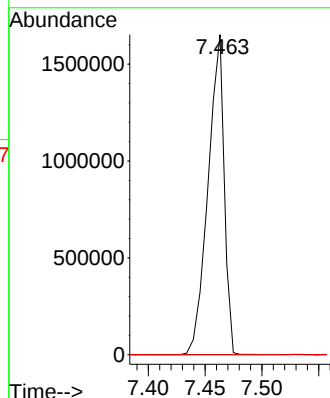
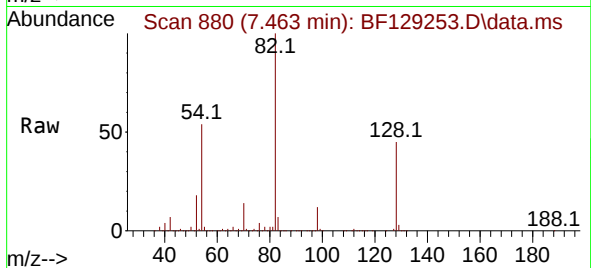




#25  
Isophorone  
Concen: 47.298 ng  
RT: 7.463 min Scan# 81  
Delta R.T. -0.259 min  
Lab File: BF129253.D  
Acq: 15 Jul 2022 23:07

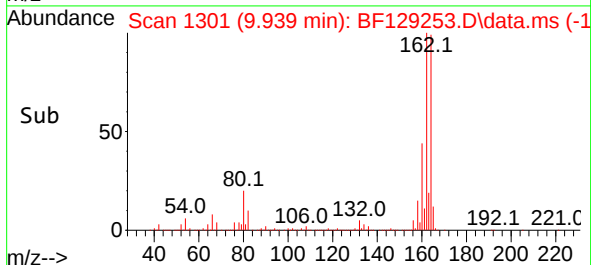
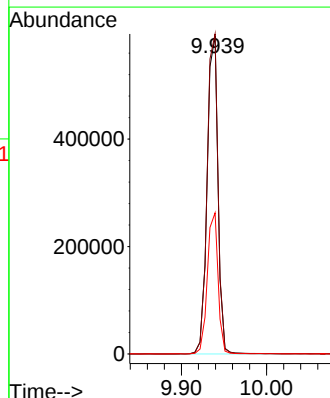
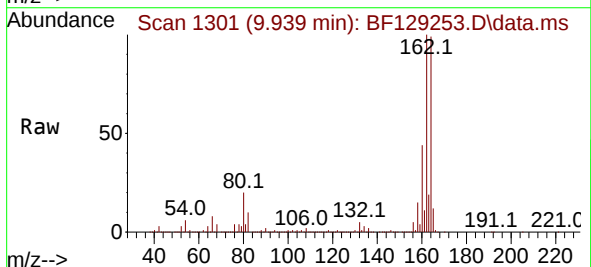
Instrument :  
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ClientSampleId :  
RIDGEFIELD-M&R-SP

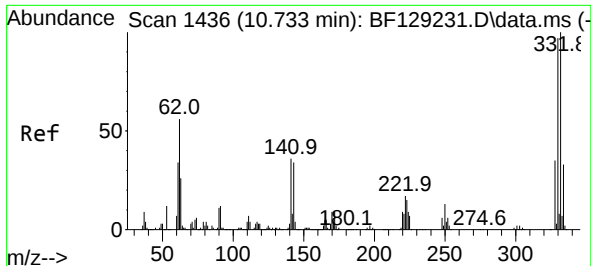
Tgt Ion: 82 Resp: 1629327  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.7 8.5#  
138 0.0 14.2 21.2#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.939 min Scan# 1301  
Delta R.T. 0.000 min  
Lab File: BF129253.D  
Acq: 15 Jul 2022 23:07

Tgt Ion:164 Resp: 521534  
Ion Ratio Lower Upper  
164 100  
162 100.7 79.5 119.3  
160 44.4 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 101.251 ng

RT: 10.728 min Scan# 1435

Delta R.T. -0.006 min

Lab File: BF129253.D

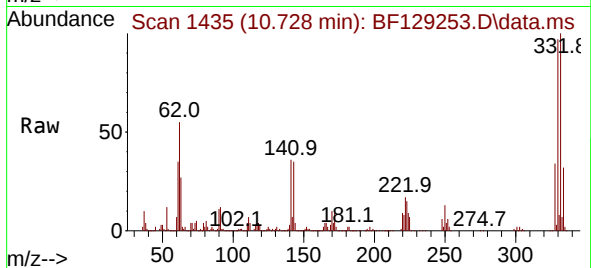
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BNA\_F

ClientSampleId :

RIDGEFIELD-M&R-SP



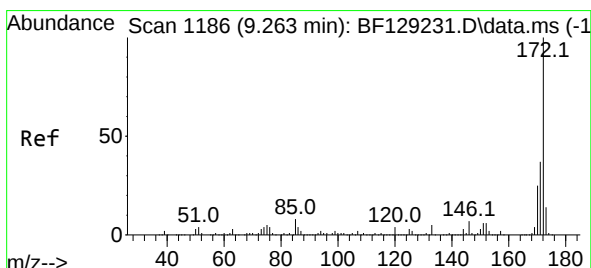
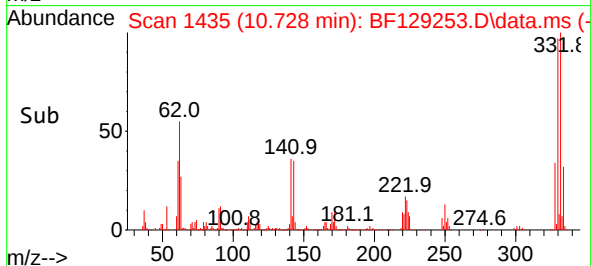
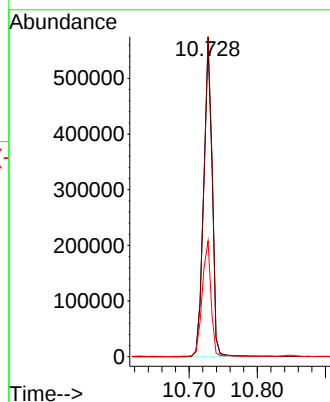
Tgt Ion:330 Resp: 490126

Ion Ratio Lower Upper

330 100

332 102.2 76.8 115.2

141 38.2 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 82.757 ng

RT: 9.257 min Scan# 1185

Delta R.T. -0.006 min

Lab File: BF129253.D

Acq: 15 Jul 2022 23:07

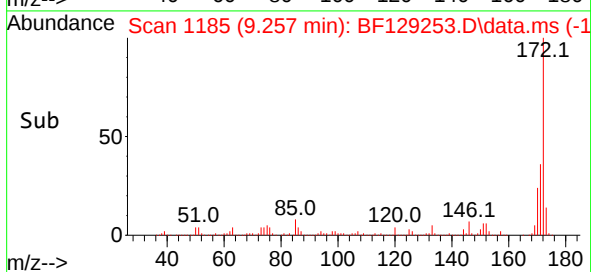
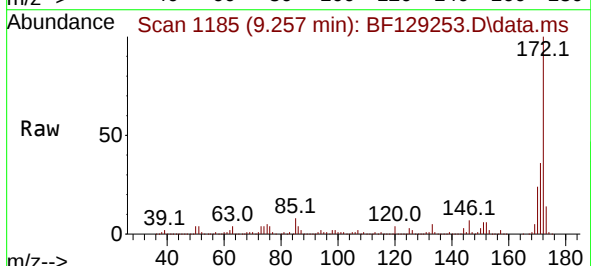
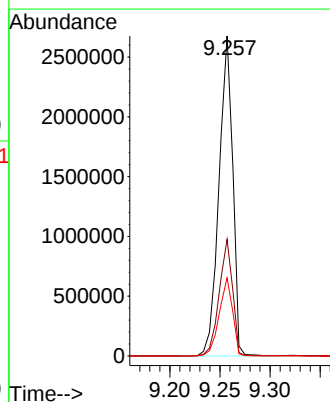
Tgt Ion:172 Resp: 2547544

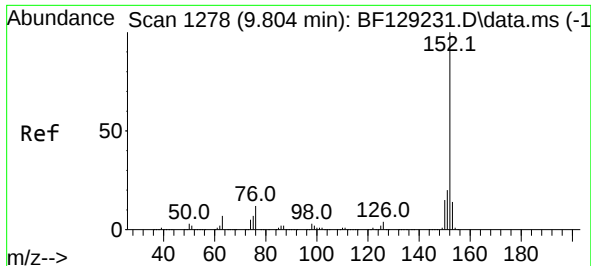
Ion Ratio Lower Upper

172 100

171 36.5 28.8 43.2

170 24.4 19.8 29.8





#49

Acenaphthylene

Concen: 2.411 ng

RT: 9.798 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF129253.D

Acq: 15 Jul 2022 23:07

Instrument :

BNA\_F

ClientSampleId :

RIDGEFIELD-M&R-SP

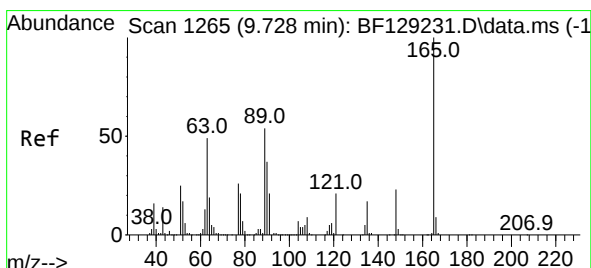
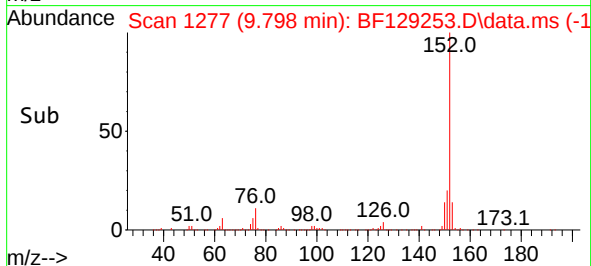
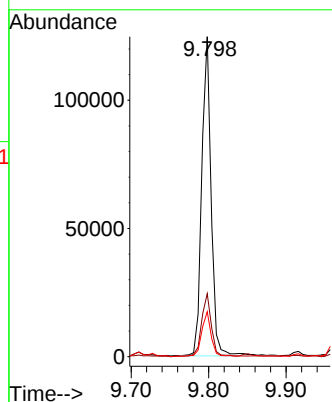
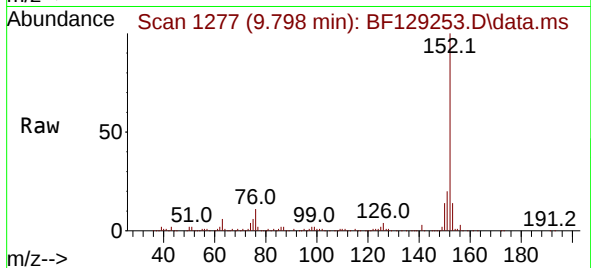
Tgt Ion:152 Resp: 105421

Ion Ratio Lower Upper

152 100

151 19.7 16.2 24.4

153 14.1 10.7 16.1



#51

2,6-Dinitrotoluene

Concen: 9.371 ng

RT: 9.939 min Scan# 1301

Delta R.T. 0.212 min

Lab File: BF129253.D

Acq: 15 Jul 2022 23:07

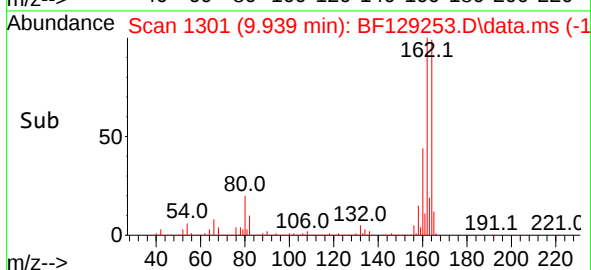
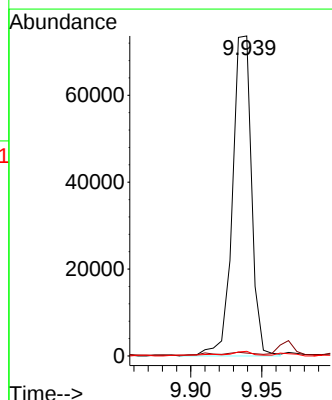
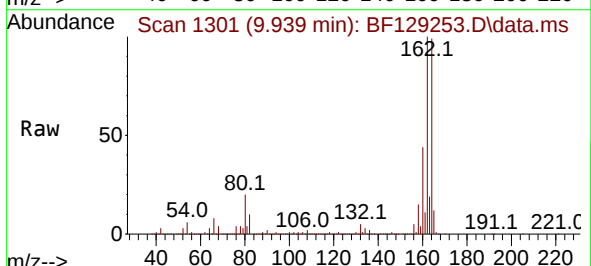
Tgt Ion:165 Resp: 68630

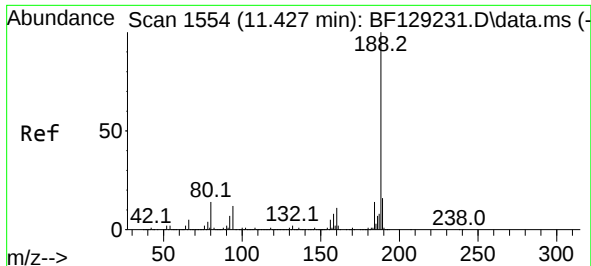
Ion Ratio Lower Upper

165 100

63 0.9 44.9 67.3#

89 1.4 43.6 65.4#

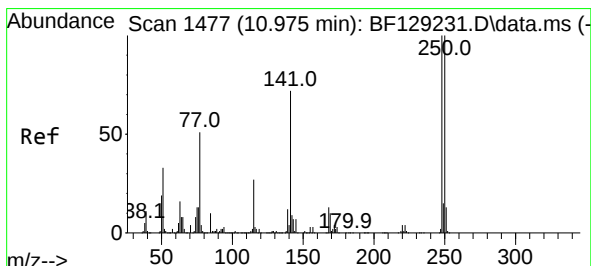
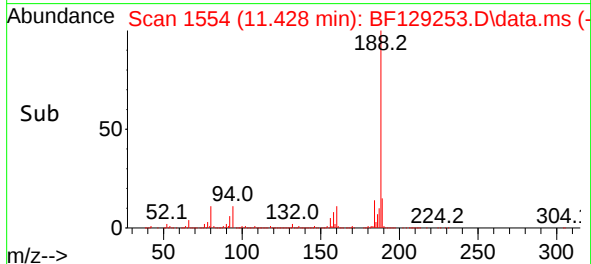
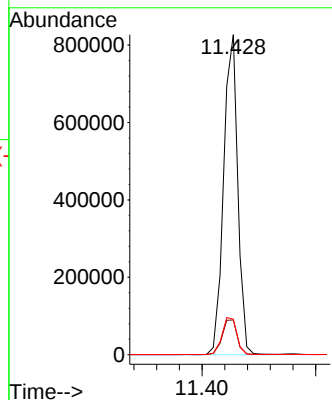
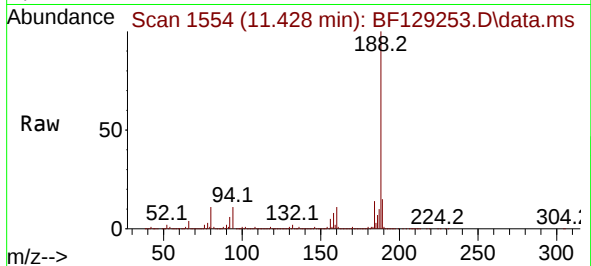




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.428 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF129253.D  
Acq: 15 Jul 2022 23:07

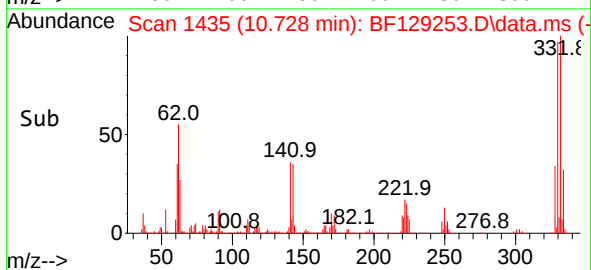
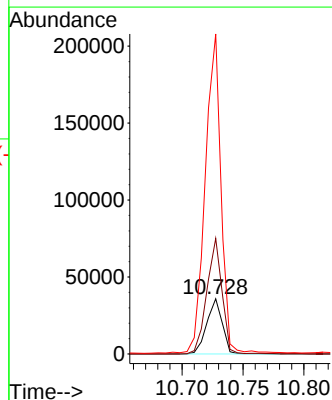
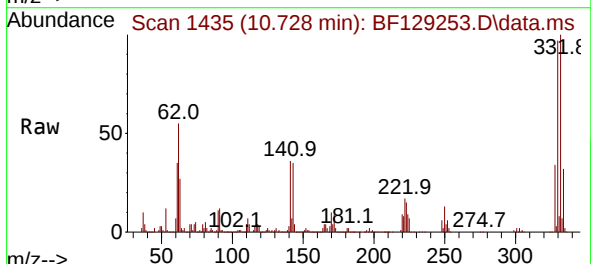
Instrument :  
BNA\_F  
ClientSampleId :  
RIDGEFIELD-M&R-SP

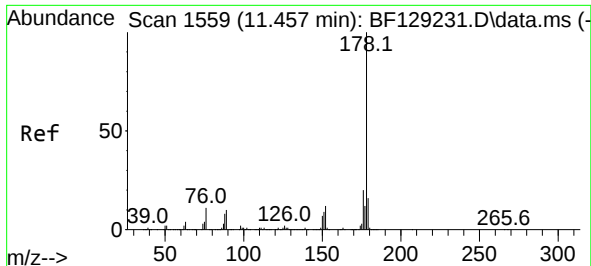
Tgt Ion:188 Resp: 716349  
Ion Ratio Lower Upper  
188 100  
94 10.8 7.0 10.6#  
80 11.1 7.6 11.4



#67  
4-Bromophenyl-phenylether  
Concen: 4.196 ng  
RT: 10.728 min Scan# 1435  
Delta R.T. -0.247 min  
Lab File: BF129253.D  
Acq: 15 Jul 2022 23:07

Tgt Ion:248 Resp: 31639  
Ion Ratio Lower Upper  
248 100  
250 209.2 80.6 120.8#  
141 579.7 58.9 88.3#

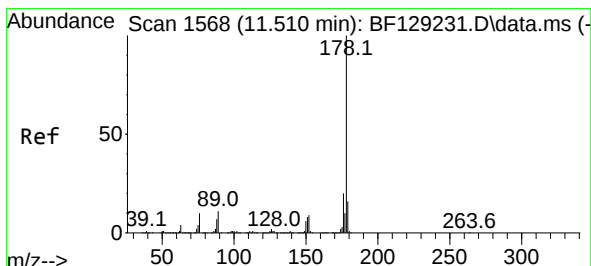
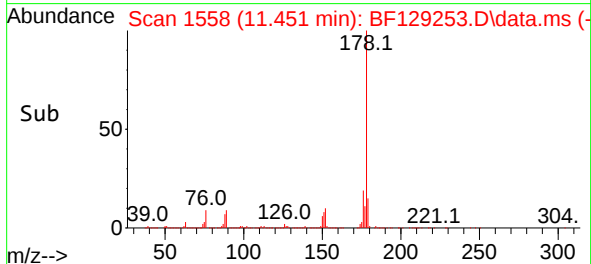
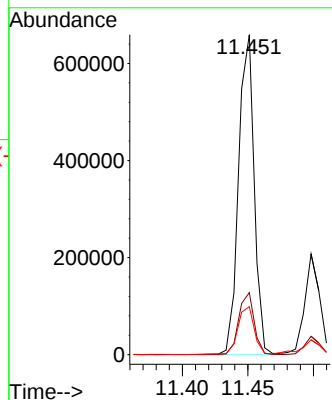
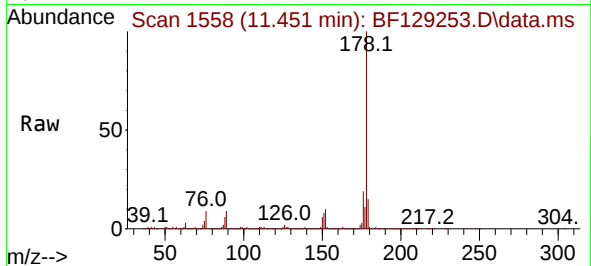




#71  
Phenanthrene  
Concen: 15.054 ng  
RT: 11.451 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF129253.D  
Acq: 15 Jul 2022 23:07

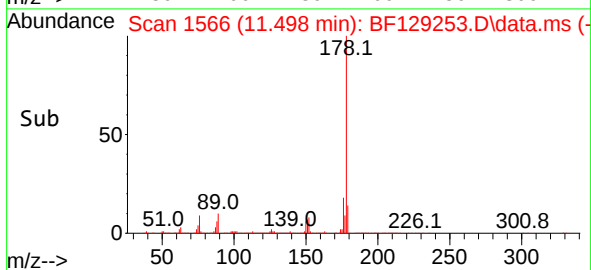
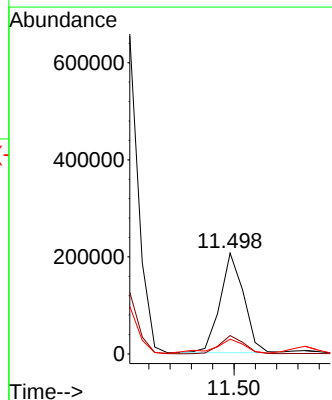
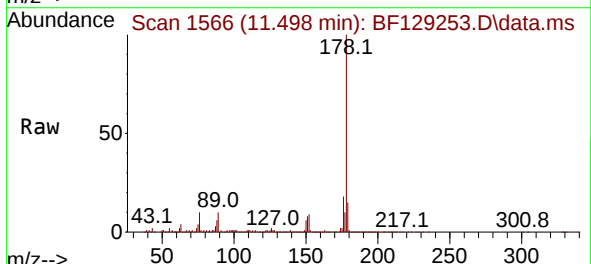
Instrument :  
BNA\_F  
ClientSampleId :  
RIDGEFIELD-M&R-SP

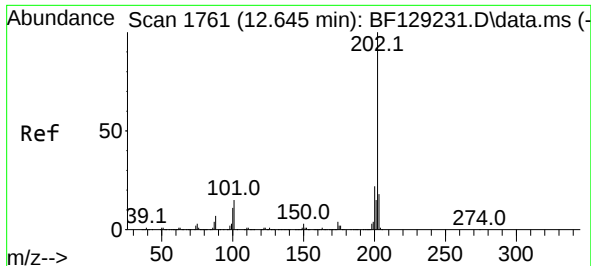
Tgt Ion:178 Resp: 547526  
Ion Ratio Lower Upper  
178 100  
176 19.4 16.0 24.0  
179 15.0 12.6 19.0



#72  
Anthracene  
Concen: 4.393 ng  
RT: 11.498 min Scan# 1566  
Delta R.T. -0.012 min  
Lab File: BF129253.D  
Acq: 15 Jul 2022 23:07

Tgt Ion:178 Resp: 158724  
Ion Ratio Lower Upper  
178 100  
176 18.2 15.4 23.2  
179 14.8 12.6 19.0

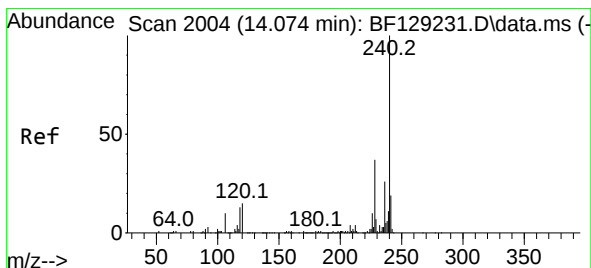
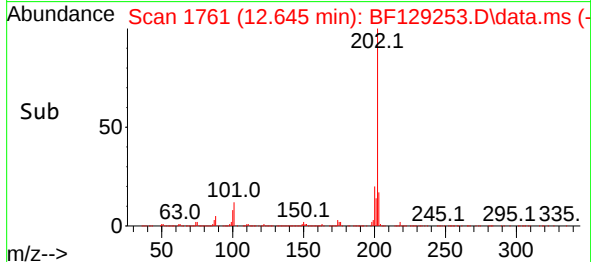
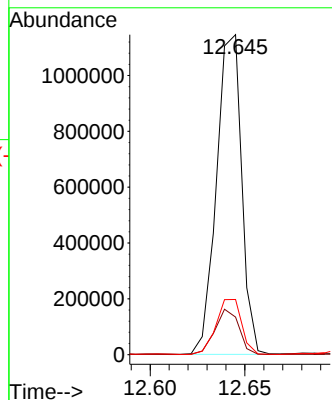
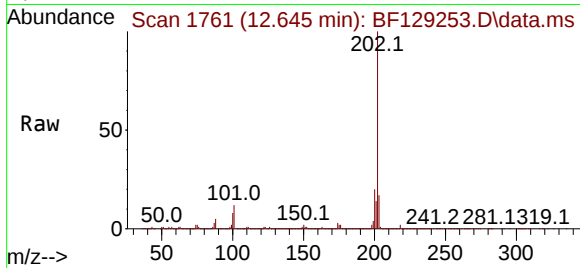




#75  
Fluoranthene  
Concen: 29.288 ng  
RT: 12.645 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF129253.D  
Acq: 15 Jul 2022 23:07

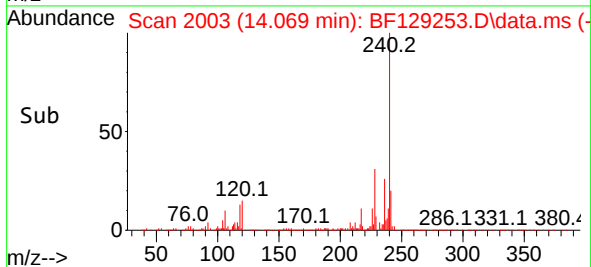
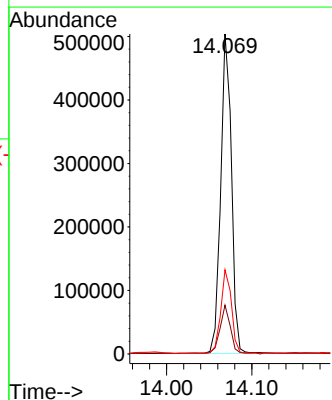
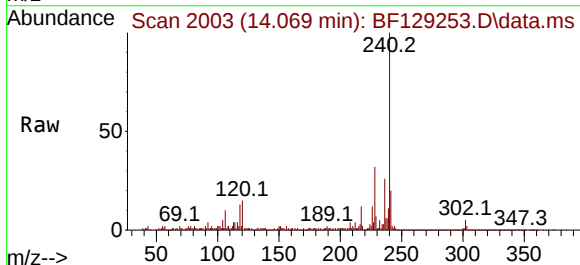
Instrument :  
BNA\_F  
ClientSampleId :  
RIDGEFIELD-M&R-SP

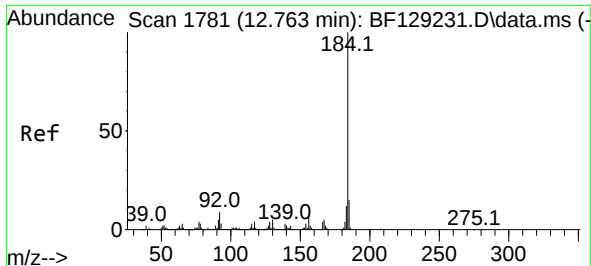
Tgt Ion:202 Resp: 1060881  
Ion Ratio Lower Upper  
202 100  
101 11.8 0.0 31.4  
203 17.2 0.0 38.0



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.069 min Scan# 2003  
Delta R.T. -0.006 min  
Lab File: BF129253.D  
Acq: 15 Jul 2022 23:07

Tgt Ion:240 Resp: 440065  
Ion Ratio Lower Upper  
240 100  
120 15.2 8.9 13.3#  
236 26.3 20.8 31.2

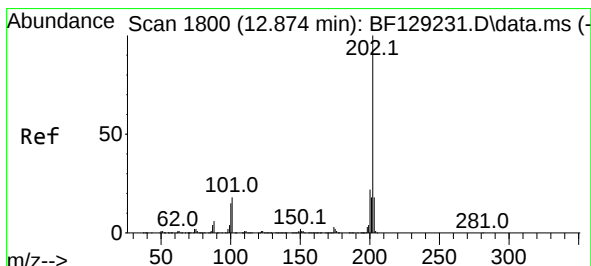
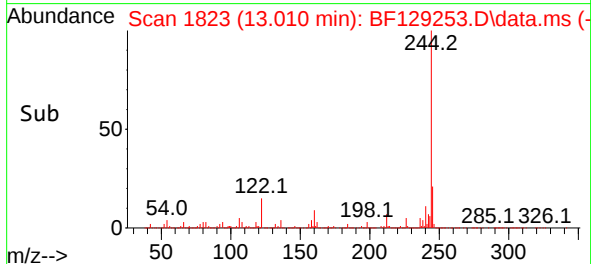
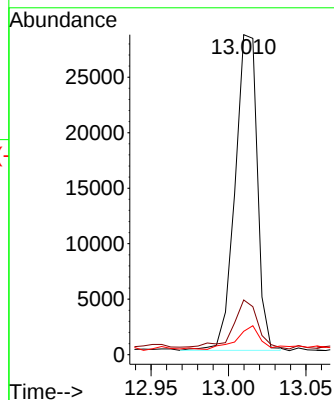
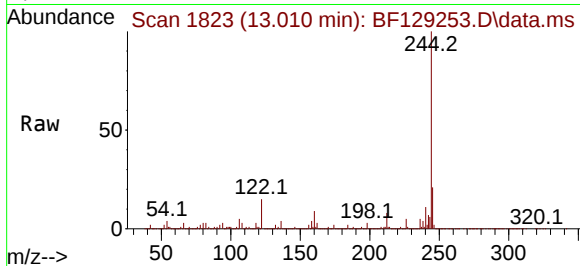




#77  
Benzidine  
Concen: 2.299 ng  
RT: 13.010 min Scan# 1823  
Delta R.T. 0.247 min  
Lab File: BF129253.D  
Acq: 15 Jul 2022 23:07

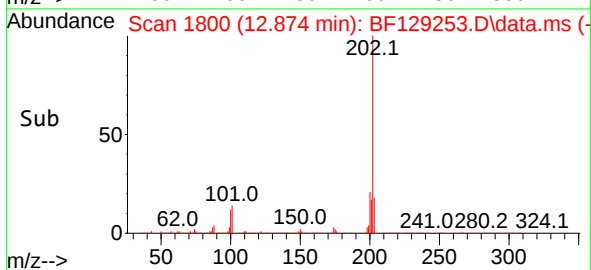
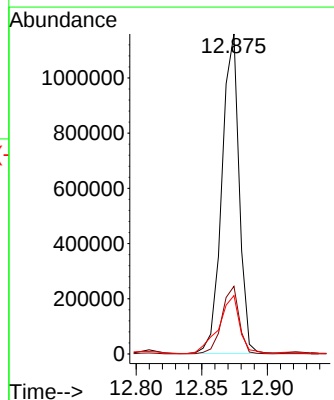
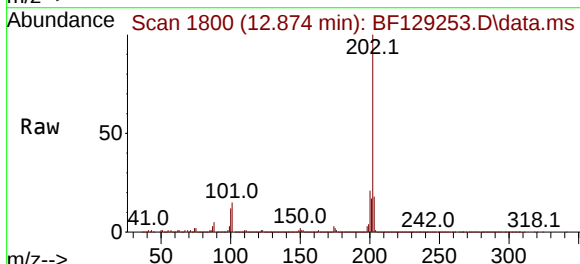
Instrument :  
BNA\_F  
ClientSampleId :  
RIDGEFIELD-M&R-SP

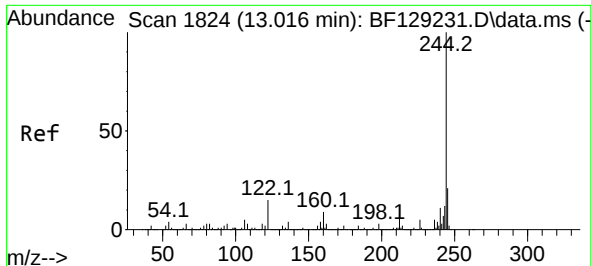
Tgt Ion:184 Resp: 28323  
Ion Ratio Lower Upper  
184 100  
185 17.1 11.9 17.9  
183 7.3 9.3 13.9#



#78  
Pyrene  
Concen: 29.728 ng  
RT: 12.874 min Scan# 1800  
Delta R.T. 0.000 min  
Lab File: BF129253.D  
Acq: 15 Jul 2022 23:07

Tgt Ion:202 Resp: 1059603  
Ion Ratio Lower Upper  
202 100  
200 21.2 17.7 26.5  
203 18.3 14.6 21.8

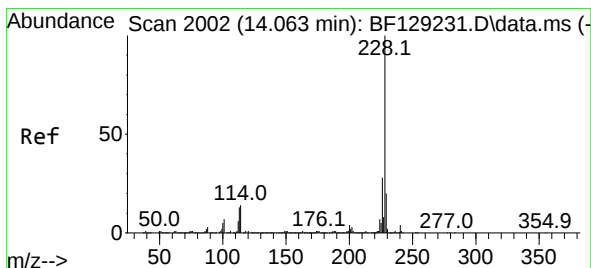
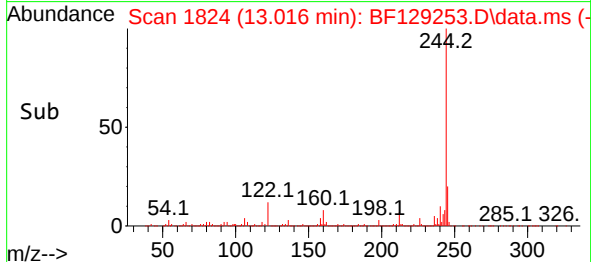
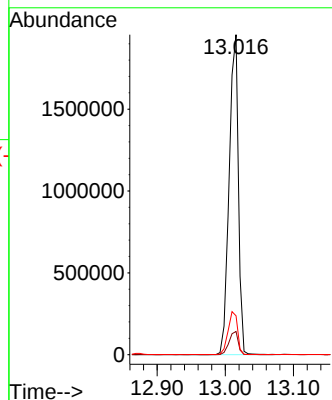
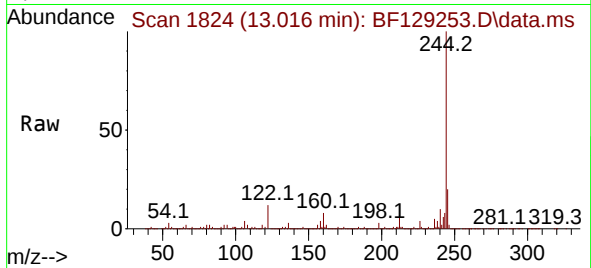




#79  
 Terphenyl-d14  
 Concen: 78.319 ng  
 RT: 13.016 min Scan# 1824  
 Delta R.T. 0.000 min  
 Lab File: BF129253.D  
 Acq: 15 Jul 2022 23:07

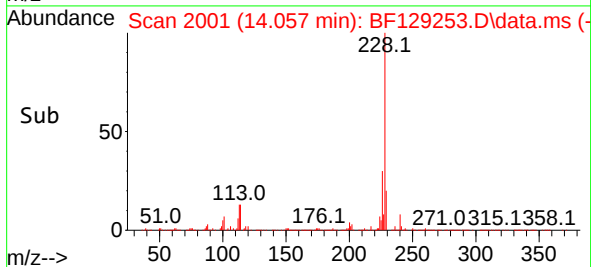
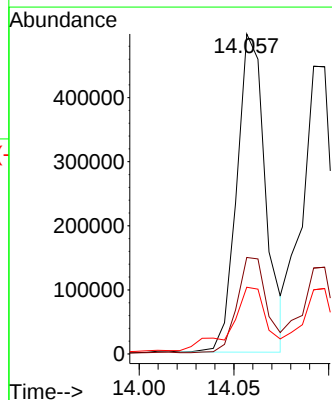
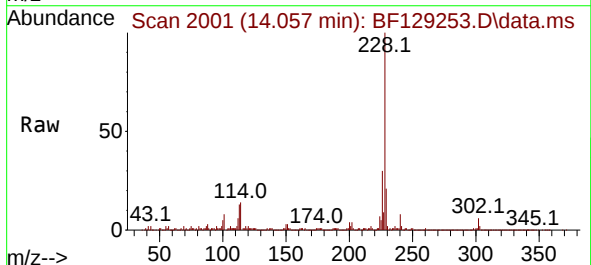
Instrument :  
 BNA\_F  
 ClientSampleId :  
 RIDGEFIELD-M&R-SP

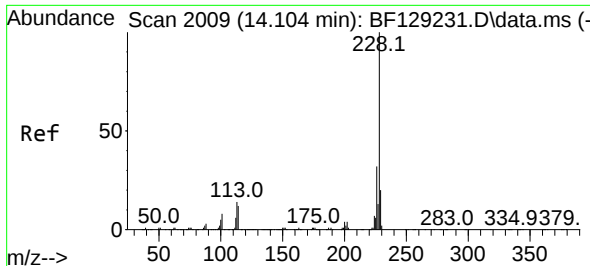
Tgt Ion:244 Resp: 1842391  
 Ion Ratio Lower Upper  
 244 100  
 212 7.3 6.1 9.1  
 122 12.2 8.8 13.2



#81  
 Benzo(a)anthracene  
 Concen: 18.879 ng  
 RT: 14.057 min Scan# 2001  
 Delta R.T. -0.006 min  
 Lab File: BF129253.D  
 Acq: 15 Jul 2022 23:07

Tgt Ion:228 Resp: 524033  
 Ion Ratio Lower Upper  
 228 100  
 226 30.1 22.1 33.1  
 229 20.9 15.8 23.8

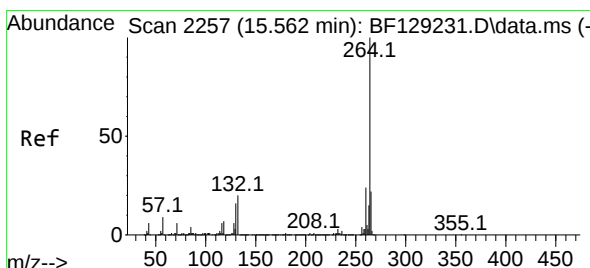
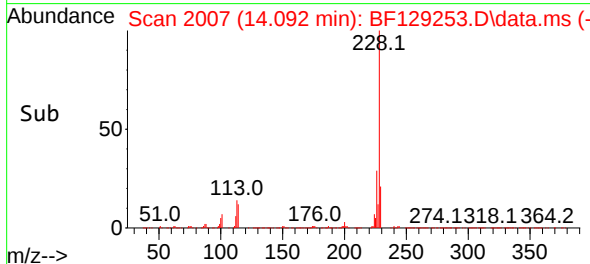
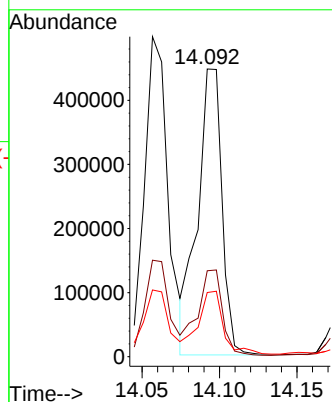
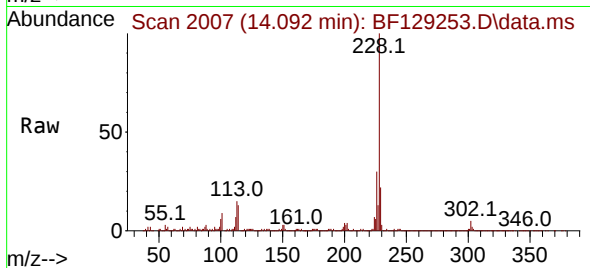




#83  
Chrysene  
Concen: 18.462 ng  
RT: 14.092 min Scan# 2009  
Delta R.T. -0.012 min  
Lab File: BF129253.D  
Acq: 15 Jul 2022 23:07

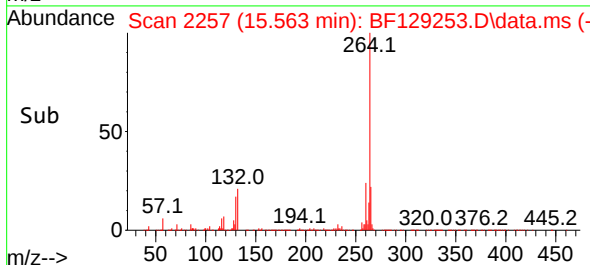
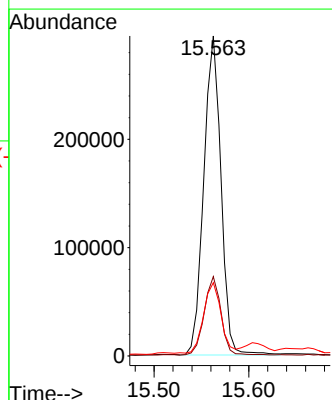
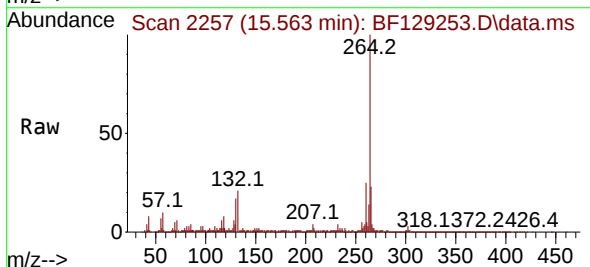
Instrument :  
BNA\_F  
ClientSampleId :  
RIDGEFIELD-M&R-SP

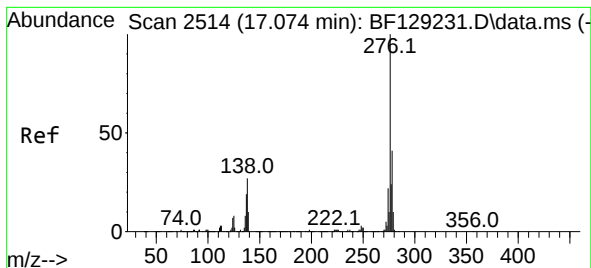
Tgt Ion:228 Resp: 489150  
Ion Ratio Lower Upper  
228 100  
226 29.9 24.3 36.5  
229 22.3 15.9 23.9



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.563 min Scan# 2257  
Delta R.T. 0.000 min  
Lab File: BF129253.D  
Acq: 15 Jul 2022 23:07

Tgt Ion:264 Resp: 371529  
Ion Ratio Lower Upper  
264 100  
260 24.8 18.4 27.6  
265 22.9 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 10.523 ng

RT: 17.068 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF129253.D

Acq: 15 Jul 2022 23:07

Instrument :

BNA\_F

ClientSampleId :

RIDGEFIELD-M&R-SP

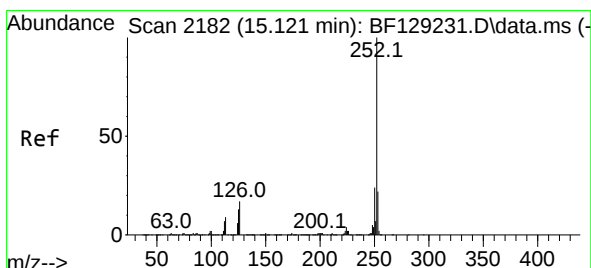
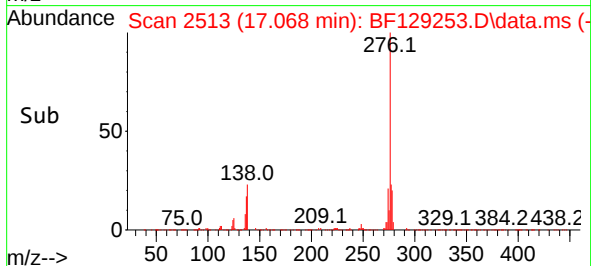
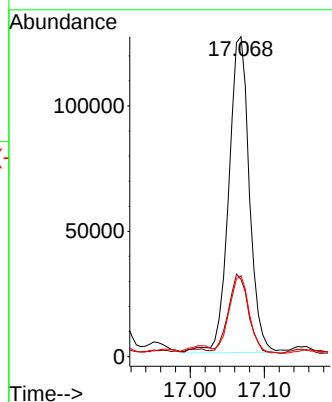
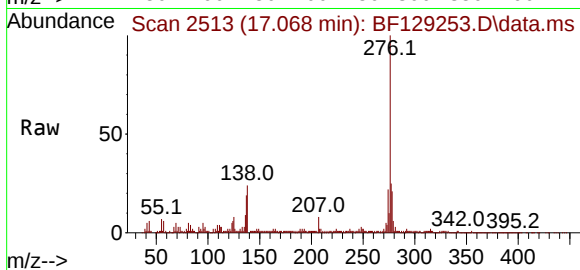
Tgt Ion:276 Resp: 243794

Ion Ratio Lower Upper

276 100

138 24.3 21.1 31.7

277 23.9 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 36.817 ng

RT: 15.121 min Scan# 2182

Delta R.T. 0.000 min

Lab File: BF129253.D

Acq: 15 Jul 2022 23:07

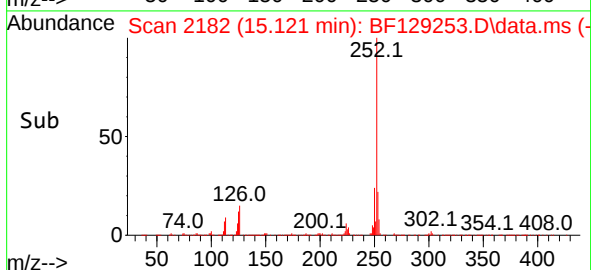
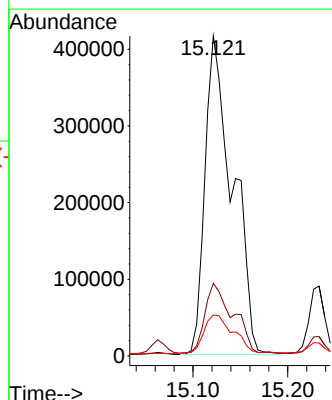
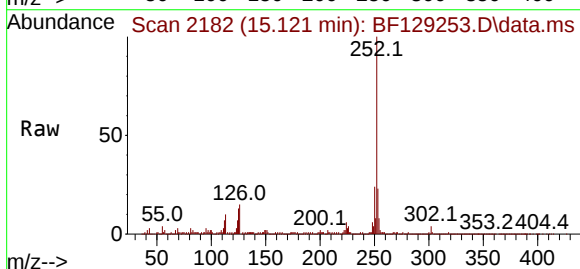
Tgt Ion:252 Resp: 840325

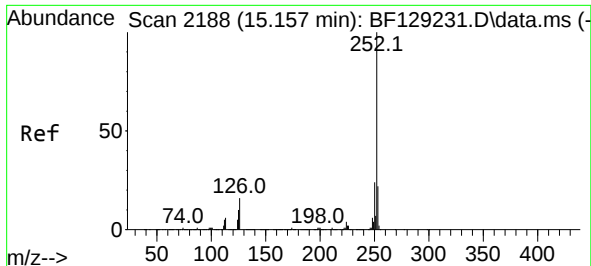
Ion Ratio Lower Upper

252 100

253 22.7 17.7 26.5

125 12.8 8.0 12.0#

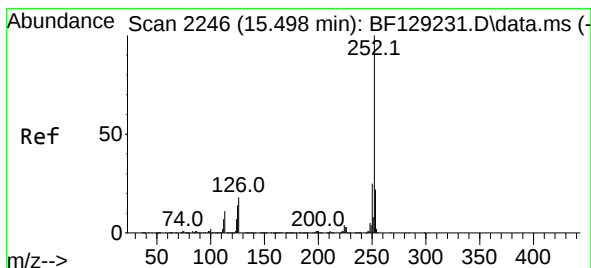
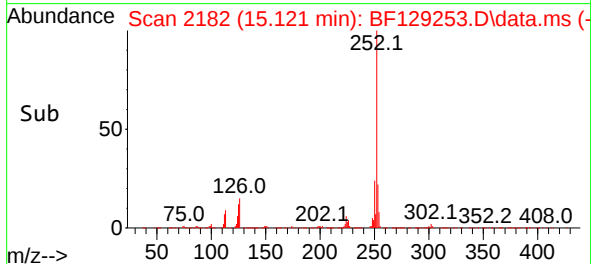
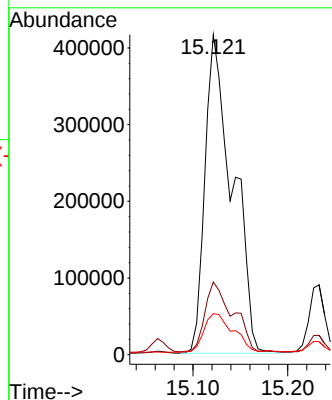
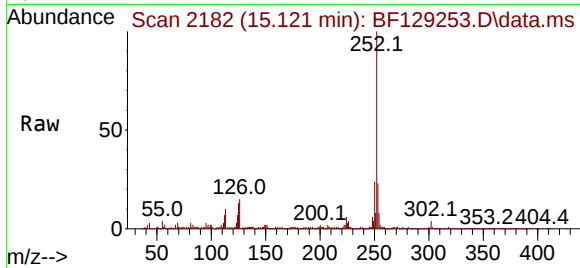




#89  
Benzo(k)fluoranthene  
Concen: 37.684 ng  
RT: 15.121 min Scan# 2188  
Delta R.T. -0.035 min  
Lab File: BF129253.D  
Acq: 15 Jul 2022 23:07

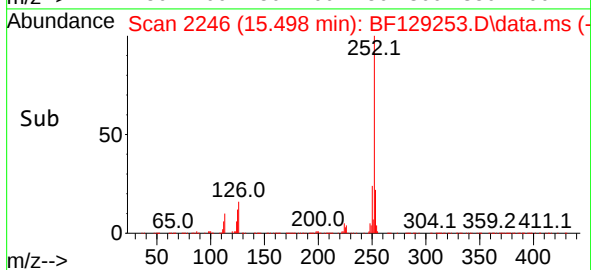
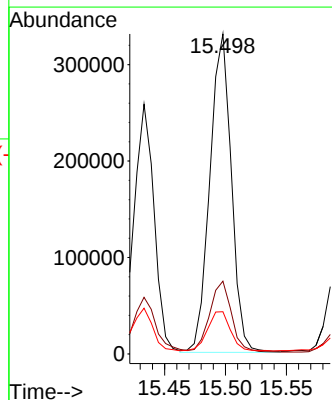
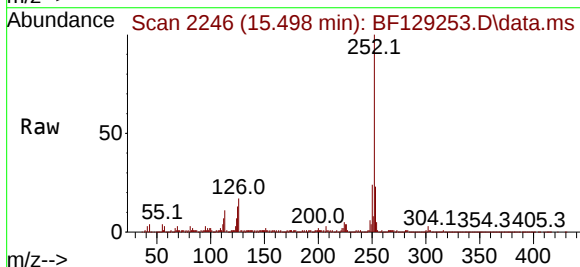
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BNA\_F  
ClientSampleId :  
RIDGEFIELD-M&R-SP

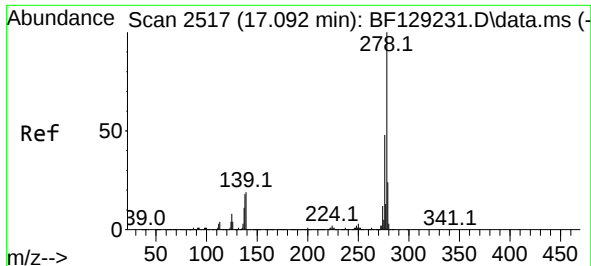
Tgt Ion:252 Resp: 840325  
Ion Ratio Lower Upper  
252 100  
253 22.7 17.8 26.6  
125 12.8 8.3 12.5#



#90  
Benzo(a)pyrene  
Concen: 21.807 ng  
RT: 15.498 min Scan# 2246  
Delta R.T. 0.000 min  
Lab File: BF129253.D  
Acq: 15 Jul 2022 23:07

Tgt Ion:252 Resp: 405188  
Ion Ratio Lower Upper  
252 100  
253 22.7 17.0 25.6  
125 13.2 8.8 13.2

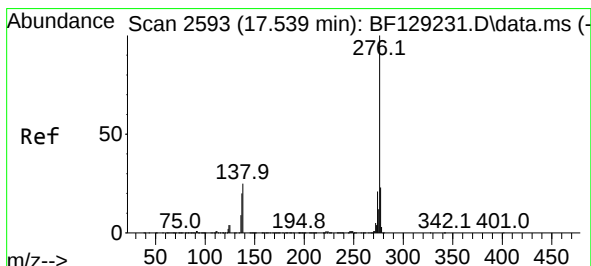
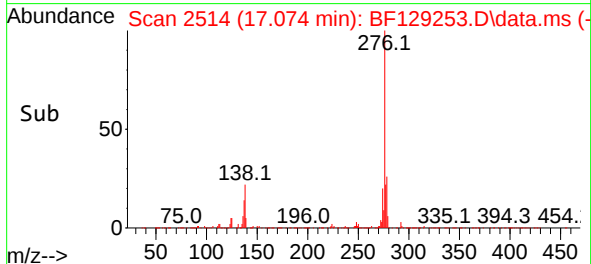
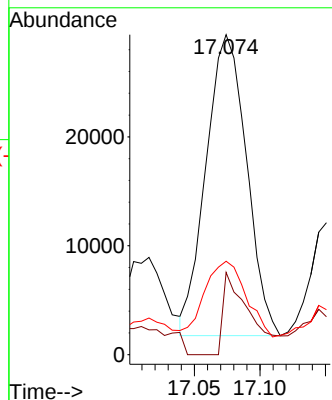
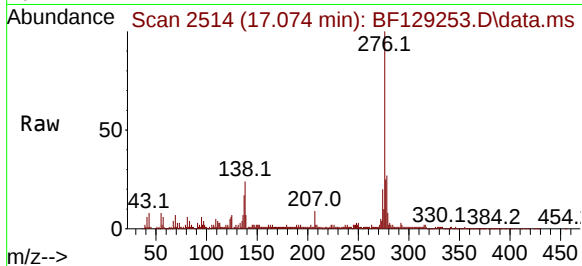




#91  
Dibenzo(a,h)anthracene  
Concen: 3.171 ng  
RT: 17.074 min Scan# 2514  
Delta R.T. -0.018 min  
Lab File: BF129253.D  
Acq: 15 Jul 2022 23:07

Instrument :  
BNA\_F  
ClientSampleId :  
RIDGEFIELD-M&R-SP

Tgt Ion:278 Resp: 59418  
Ion Ratio Lower Upper  
278 100  
139 25.7 12.8 19.2#  
279 29.2 18.6 28.0#



#92  
Benzo(g,h,i)perylene  
Concen: 12.542 ng  
RT: 17.527 min Scan# 2591  
Delta R.T. -0.012 min  
Lab File: BF129253.D  
Acq: 15 Jul 2022 23:07

Tgt Ion:276 Resp: 240256  
Ion Ratio Lower Upper  
276 100  
277 24.2 19.1 28.7  
138 26.5 18.0 27.0

