

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF103123\  
 Data File : BF136056.D  
 Acq On : 31 Oct 2023 17:34  
 Operator : CG\JU  
 Sample : 04805-06 2X  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 M-1(0-5)

Quant Time: Oct 31 17:55:28 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF103023.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Oct 31 01:13:02 2023  
 Response via : Initial Calibration

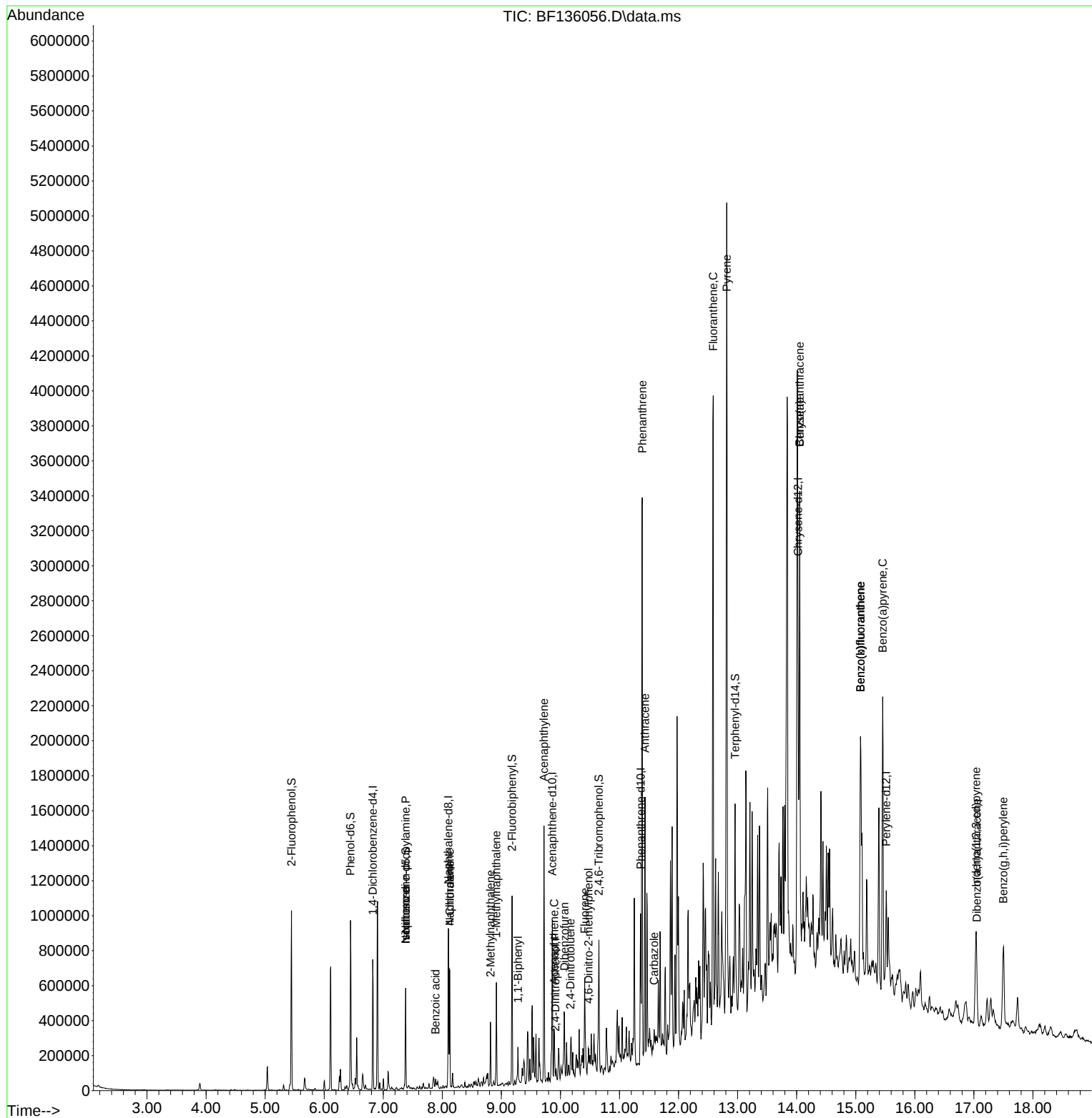
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.822  | 152  | 104830   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.104  | 136  | 358810   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.863  | 164  | 163398   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.357 | 188  | 317195   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.021 | 240  | 279069   | 20.000 | ng    | # 0.00   |
| 86) Perylene-d12              | 15.515 | 264  | 234975   | 20.000 | ng    | # 0.02   |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.445  | 112  | 253835   | 38.050 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.445  | 99   | 285269   | 34.321 | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.381  | 82   | 151551   | 25.462 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.651 | 330  | 64642    | 37.064 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.180  | 172  | 271705   | 26.507 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.957 | 244  | 353884   | 19.706 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.381  | 70   | 19997    | 4.211  | ng    | # 80     |
| 25) Isophorone                | 7.381  | 82   | 150253   | 13.371 | ng    | # 64     |
| 31) Naphthalene               | 8.128  | 128  | 289892   | 16.754 | ng    | 99       |
| 32) Benzoic acid              | 7.886  | 122  | 600      | 5.243  | ng    | # 1      |
| 33) 4-Chloroaniline           | 8.128  | 127  | 38258    | 5.049  | ng    | # 35     |
| 37) 2-Methylnaphthalene       | 8.816  | 142  | 78588    | 6.774  | ng    | 100      |
| 38) 1-Methylnaphthalene       | 8.916  | 142  | 125339   | 11.609 | ng    | 98       |
| 46) 1,1'-Biphenyl             | 9.280  | 154  | 55103    | 4.424  | ng    | 98       |
| 49) Acenaphthylene            | 9.722  | 152  | 501942   | 35.039 | ng    | 99       |
| 52) Acenaphthene              | 9.892  | 154  | 54924    | 6.031  | ng    | 99       |
| 54) 2,4-Dinitrophenol         | 9.916  | 184  | 172      | 8.101  | ng    | # 1      |
| 55) Dibenzofuran              | 10.069 | 168  | 94236    | 7.097  | ng    | # 96     |
| 57) 2,4-Dinitrotoluene        | 10.169 | 165  | 8217     | 2.817  | ng    | # 52     |
| 58) Fluorene                  | 10.410 | 166  | 150499   | 15.137 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 10.475 | 198  | 180      | 5.881  | ng    | # 1      |
| 71) Phenanthrene              | 11.386 | 178  | 1290049  | 80.775 | ng    | 99       |
| 72) Anthracene                | 11.433 | 178  | 560081   | 34.224 | ng    | 99       |
| 73) Carbazole                 | 11.586 | 167  | 41379    | 2.910  | ng    | # 93     |
| 75) Fluoranthene              | 12.586 | 202  | 1603974  | 97.762 | ng    | 98       |
| 78) Pyrene                    | 12.816 | 202  | 2132840  | 86.686 | ng    | 99       |
| 81) Benzo(a)anthracene        | 14.051 | 228  | 1064428  | 57.614 | ng    | 94       |
| 83) Chrysene                  | 14.051 | 228  | 1064428  | 58.502 | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.039 | 276  | 387204   | 25.214 | ng    | 96       |
| 88) Benzo(b)fluoranthene      | 15.080 | 252  | 1272545  | 91.524 | ng    | 97       |
| 89) Benzo(k)fluoranthene      | 15.080 | 252  | 1272545  | 92.501 | ng    | 97       |
| 90) Benzo(a)pyrene            | 15.457 | 252  | 846750   | 65.544 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 17.051 | 278  | 111983   | 8.902  | ng    | 94       |
| 92) Benzo(g,h,i)perylene      | 17.498 | 276  | 392658   | 28.658 | ng    | 99       |
| -----                         |        |      |          |        |       |          |

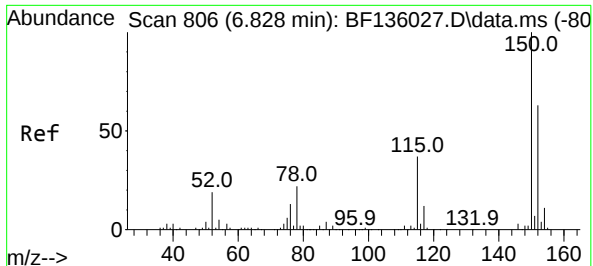
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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M-1(0-5)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Oct 31 01:13:02 2023  
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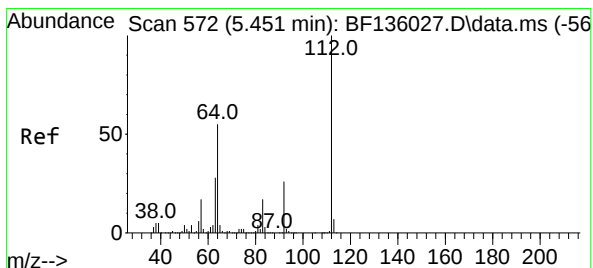
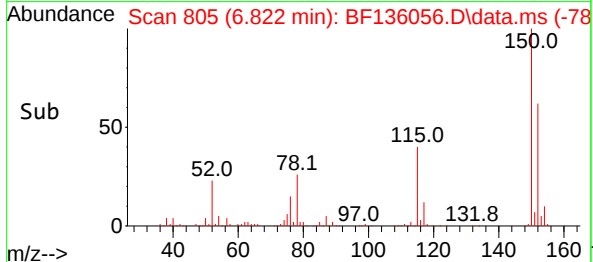
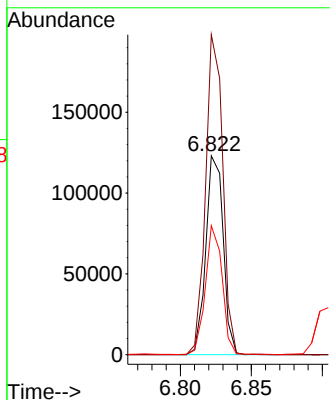
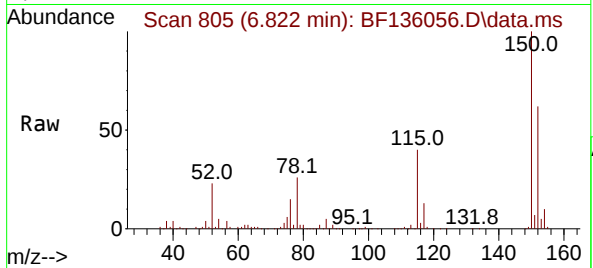




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.822 min Scan# 806  
Delta R.T. -0.006 min  
Lab File: BF136056.D  
Acq: 31 Oct 2023 17:34

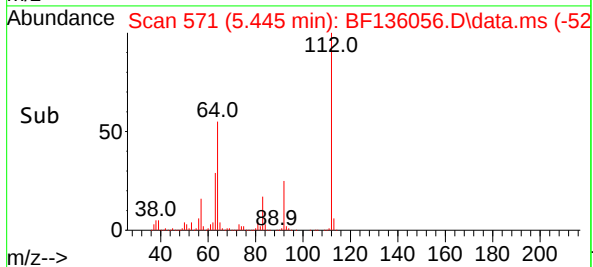
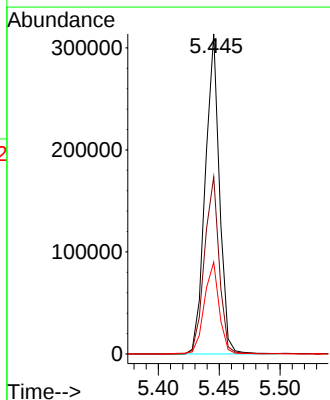
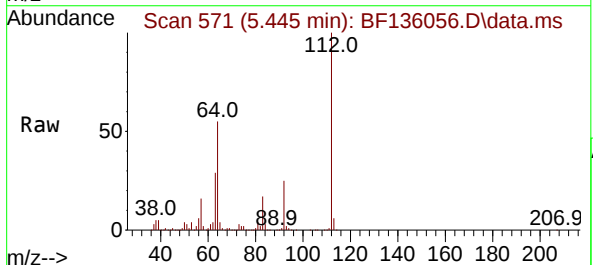
Instrument :  
BNA\_F  
ClientSampleId :  
M-1(0-5)

Tgt Ion:152 Resp: 104830  
Ion Ratio Lower Upper  
152 100  
150 160.9 126.4 189.6  
115 64.9 47.0 70.4



#5  
2-Fluorophenol  
Concen: 38.050 ng  
RT: 5.445 min Scan# 571  
Delta R.T. -0.006 min  
Lab File: BF136056.D  
Acq: 31 Oct 2023 17:34

Tgt Ion:112 Resp: 253835  
Ion Ratio Lower Upper  
112 100  
64 55.4 43.9 65.9  
63 28.7 22.4 33.6

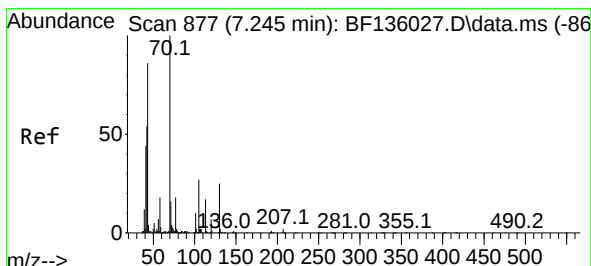
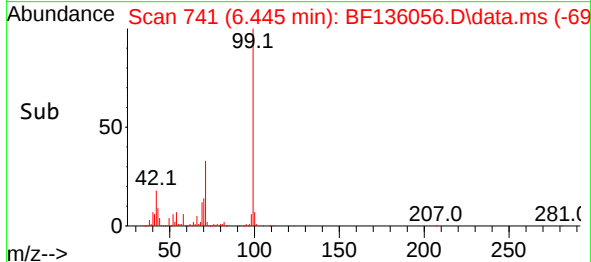
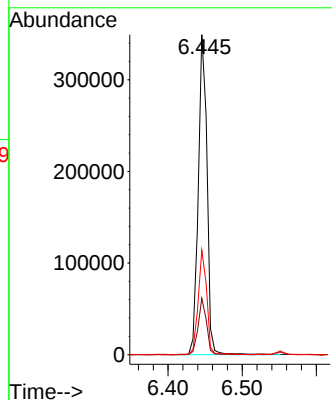
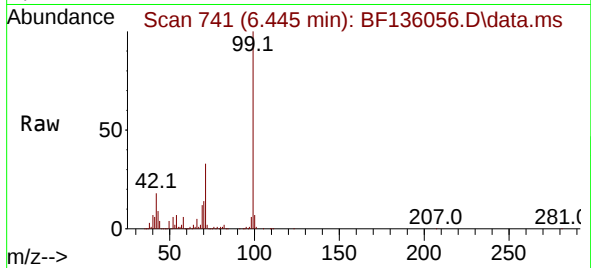




#7  
Phenol-d6  
Concen: 34.321 ng  
RT: 6.445 min Scan# 743  
Delta R.T. -0.012 min  
Lab File: BF136056.D  
Acq: 31 Oct 2023 17:34

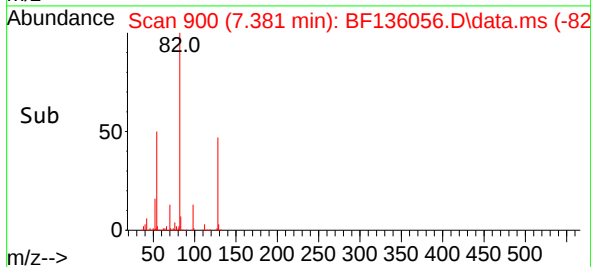
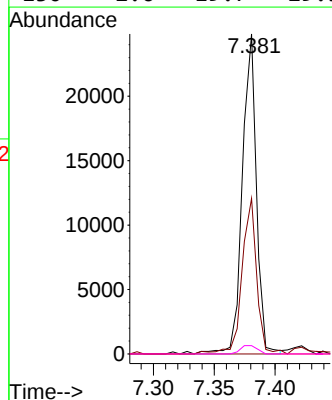
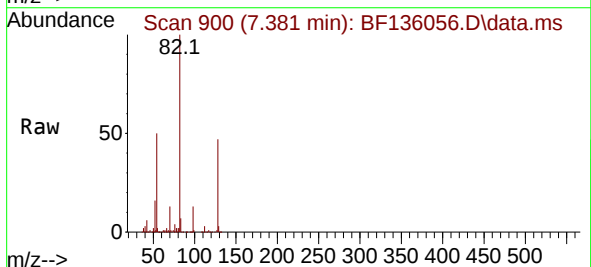
Instrument :  
BNA\_F  
ClientSampleId :  
M-1(0-5)

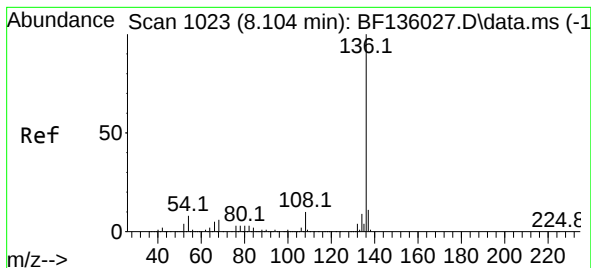
Tgt Ion: 99 Resp: 285269  
Ion Ratio Lower Upper  
99 100  
42 17.6 13.7 20.5  
71 32.6 25.9 38.9



#19  
n-Nitroso-di-n-propylamine  
Concen: 4.211 ng  
RT: 7.381 min Scan# 900  
Delta R.T. 0.135 min  
Lab File: BF136056.D  
Acq: 31 Oct 2023 17:34

Tgt Ion: 70 Resp: 19997  
Ion Ratio Lower Upper  
70 100  
42 48.6 43.0 64.4  
101 0.0 8.0 12.0#  
130 2.6 19.7 29.5#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.104 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF136056.D

Acq: 31 Oct 2023 17:34

Instrument :

BNA\_F

ClientSampleId :

M-1(0-5)

Tgt Ion:136 Resp: 358810

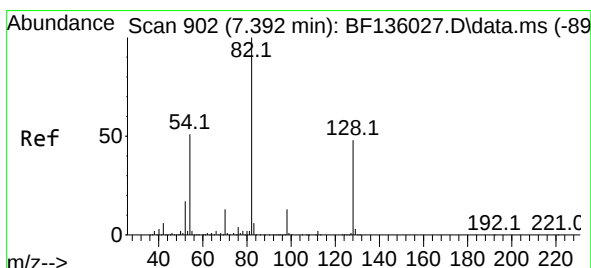
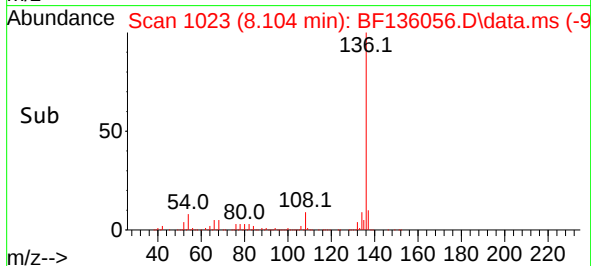
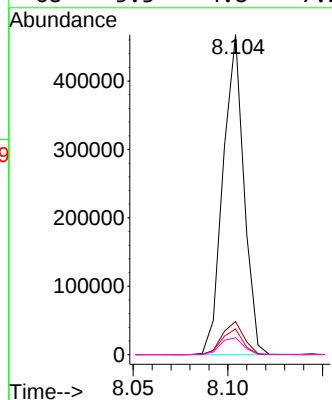
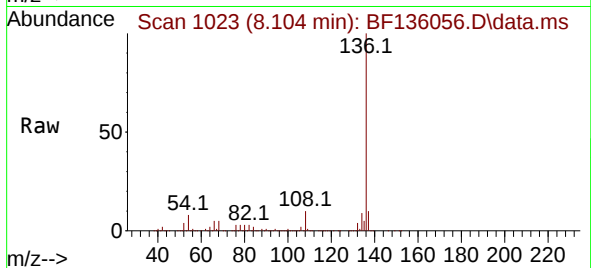
Ion Ratio Lower Upper

136 100

137 10.3 8.6 13.0

54 8.0 6.6 9.8

68 5.3 4.8 7.2



#23

Nitrobenzene-d5

Concen: 25.462 ng

RT: 7.381 min Scan# 900

Delta R.T. -0.012 min

Lab File: BF136056.D

Acq: 31 Oct 2023 17:34

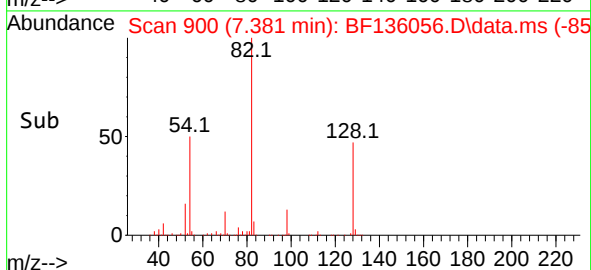
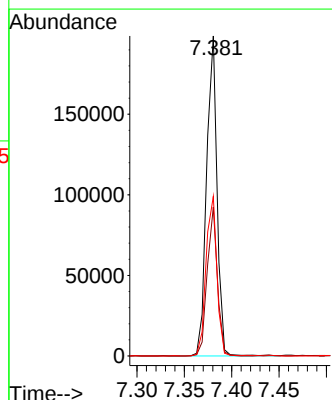
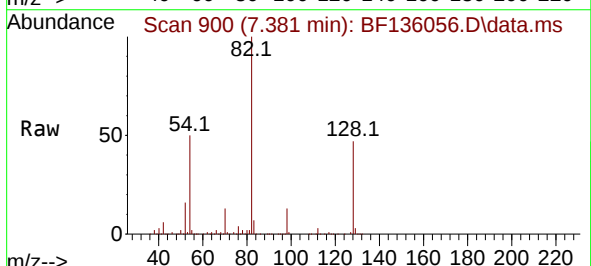
Tgt Ion: 82 Resp: 151551

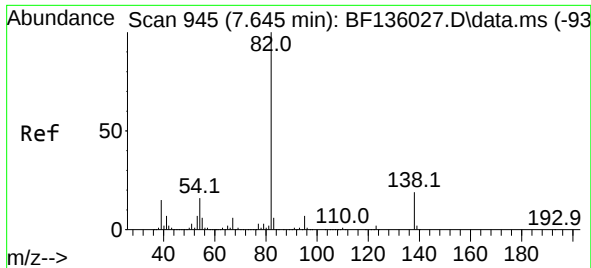
Ion Ratio Lower Upper

82 100

128 46.5 38.6 57.8

54 49.8 40.8 61.2

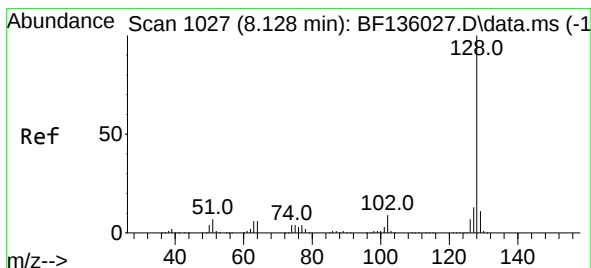
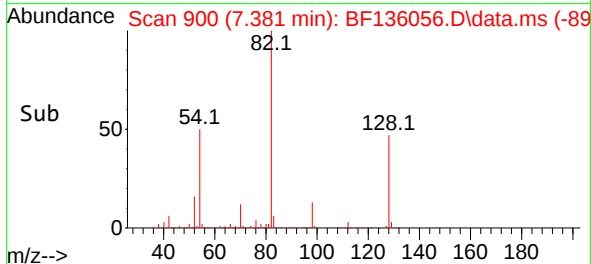
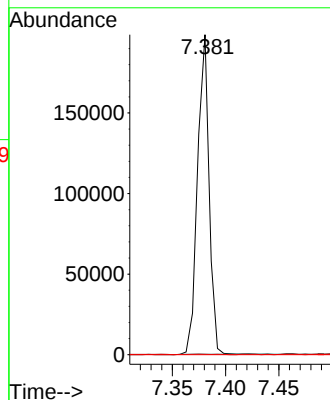
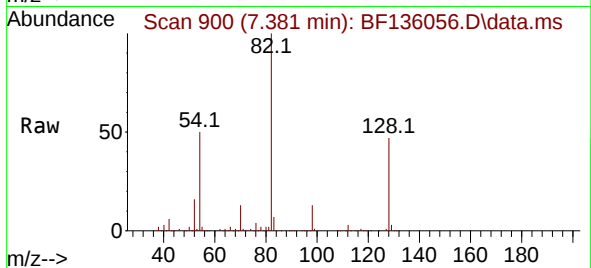




#25  
Isophorone  
Concen: 13.371 ng  
RT: 7.381 min Scan# 900  
Delta R.T. -0.265 min  
Lab File: BF136056.D  
Acq: 31 Oct 2023 17:34

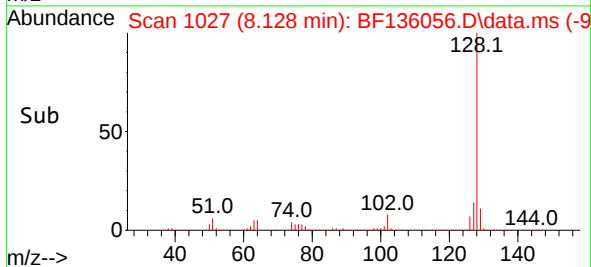
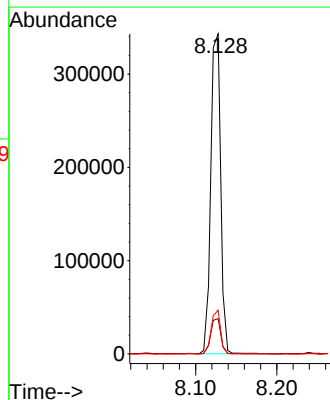
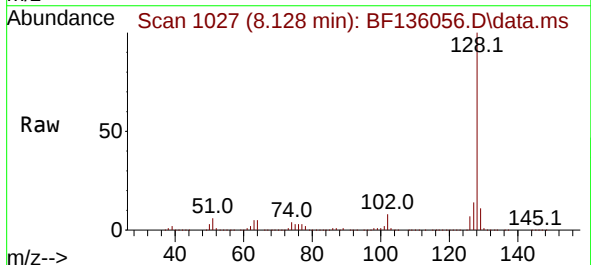
Instrument :  
BNA\_F  
ClientSampleId :  
M-1(0-5)

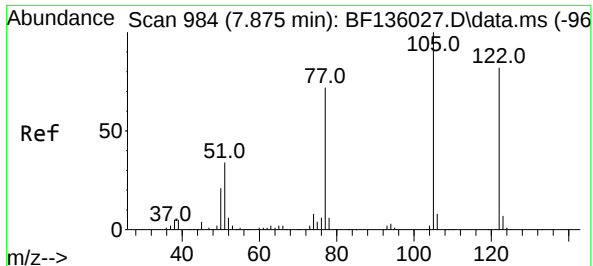
Tgt Ion: 82 Resp: 150253  
Ion Ratio Lower Upper  
82 100  
95 0.1 5.9 8.9#  
138 0.0 15.3 22.9#



#31  
Naphthalene  
Concen: 16.754 ng  
RT: 8.128 min Scan# 1027  
Delta R.T. 0.000 min  
Lab File: BF136056.D  
Acq: 31 Oct 2023 17:34

Tgt Ion:128 Resp: 289892  
Ion Ratio Lower Upper  
128 100  
129 11.1 8.9 13.3  
127 13.6 10.5 15.7

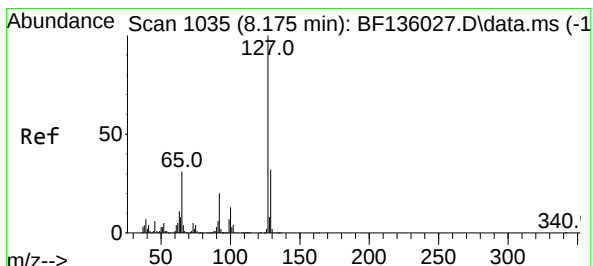
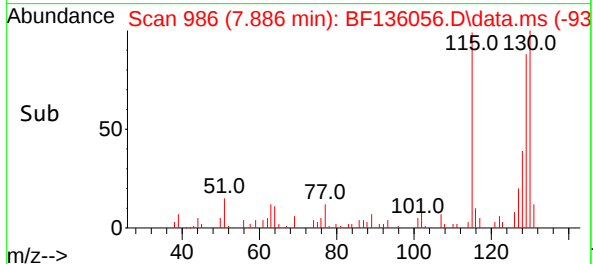
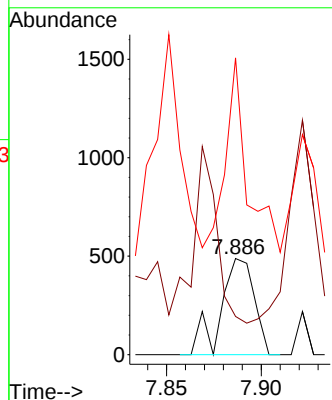
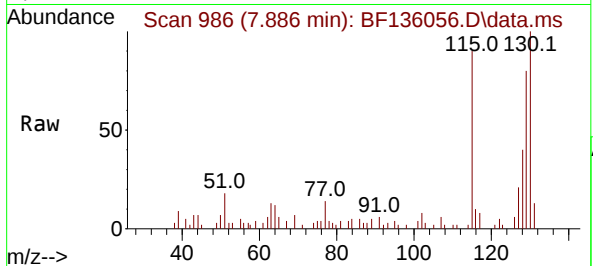




#32  
Benzoic acid  
Concen: 5.243 ng  
RT: 7.886 min Scan# 91  
Delta R.T. 0.011 min  
Lab File: BF136056.D  
Acq: 31 Oct 2023 17:34

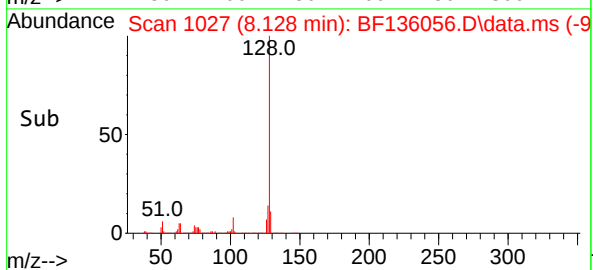
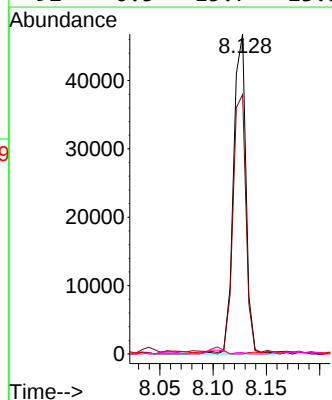
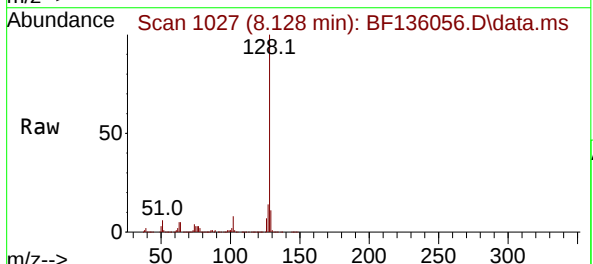
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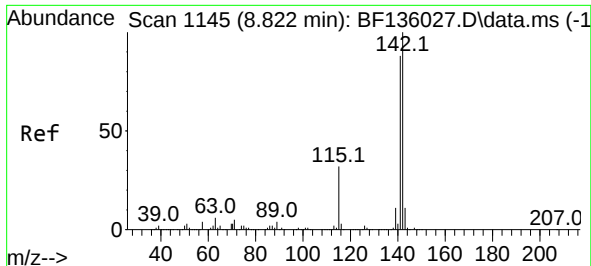
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|----------|-------|-------|--------|
| Tgt Ion: | 122   | Resp: | 600    |
| Ion      | Ratio | Lower | Upper  |
| 122      | 100   |       |        |
| 105      | 39.8  | 99.5  | 139.5# |
| 77       | 308.8 | 66.8  | 106.8# |



#33  
4-Chloroaniline  
Concen: 5.049 ng  
RT: 8.128 min Scan# 1027  
Delta R.T. -0.047 min  
Lab File: BF136056.D  
Acq: 31 Oct 2023 17:34

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 127   | Resp: | 38258 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 81.0  | 25.9  | 38.9# |
| 65       | 0.0   | 24.6  | 37.0# |
| 92       | 0.5   | 15.7  | 23.5# |





#37

2-Methylnaphthalene

Concen: 6.774 ng

RT: 8.816 min Scan# 1144

Delta R.T. -0.006 min

Lab File: BF136056.D

Acq: 31 Oct 2023 17:34

Instrument :

BNA\_F

ClientSampleId :

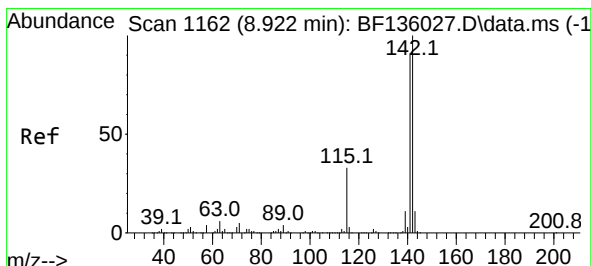
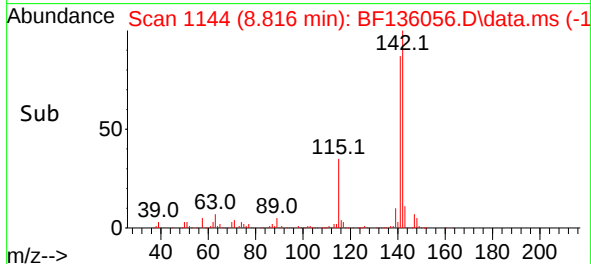
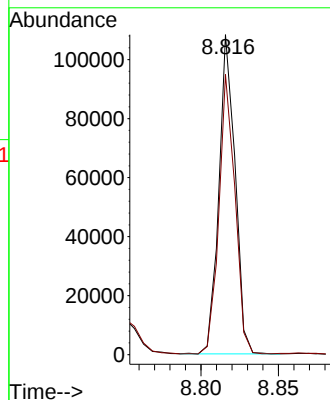
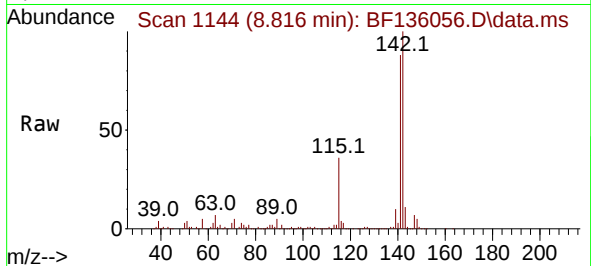
M-1(0-5)

Tgt Ion:142 Resp: 78588

Ion Ratio Lower Upper

142 100

141 87.6 70.4 105.6



#38

1-Methylnaphthalene

Concen: 11.609 ng

RT: 8.916 min Scan# 1161

Delta R.T. -0.006 min

Lab File: BF136056.D

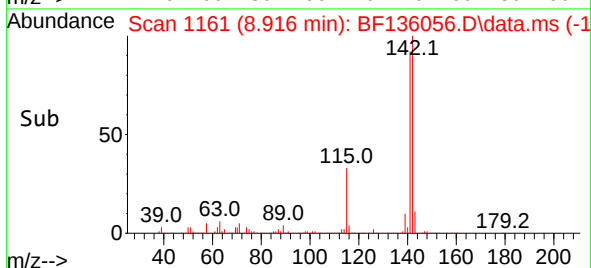
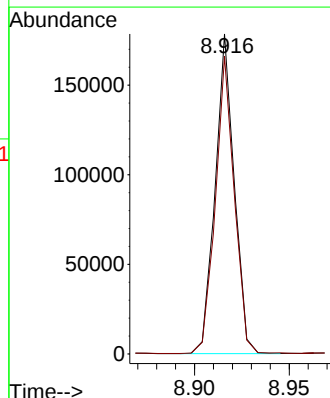
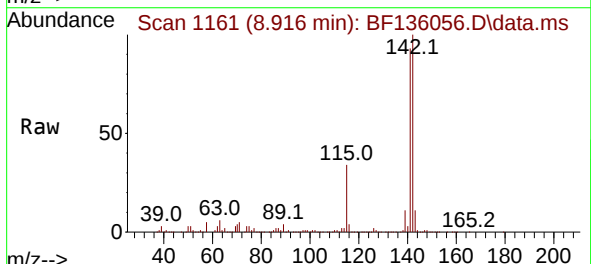
Acq: 31 Oct 2023 17:34

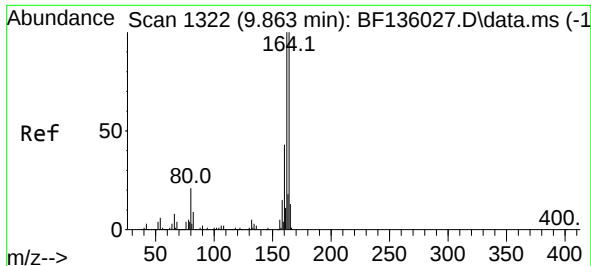
Tgt Ion:142 Resp: 125339

Ion Ratio Lower Upper

142 100

141 93.1 72.6 109.0

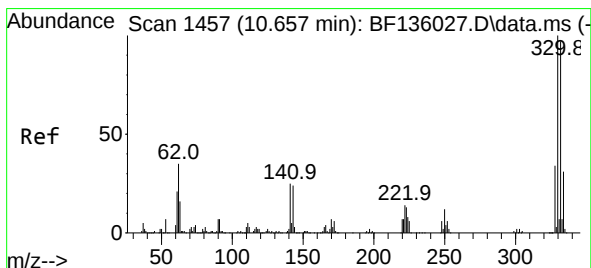
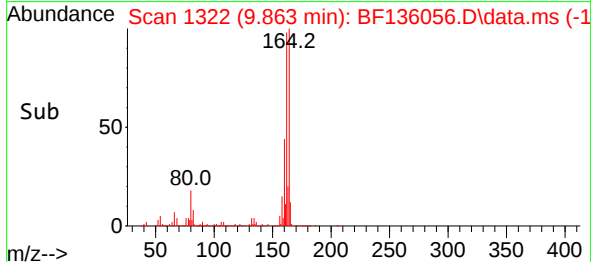
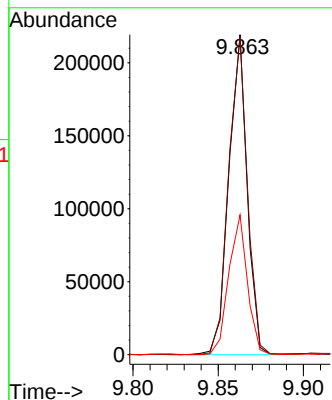
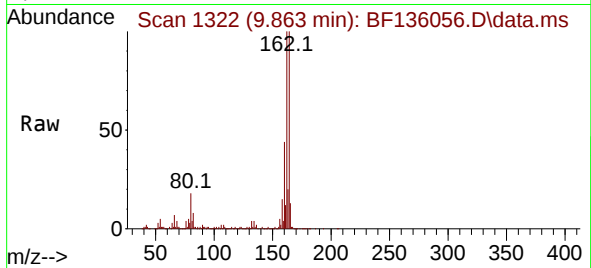




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.863 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF136056.D  
Acq: 31 Oct 2023 17:34

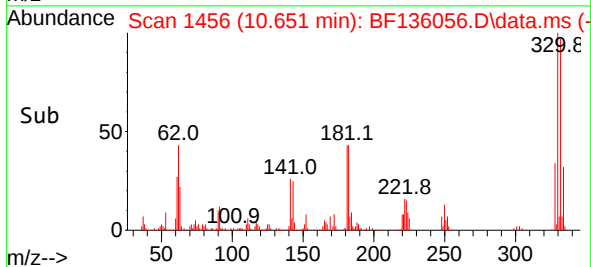
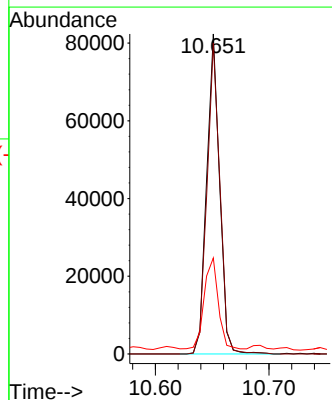
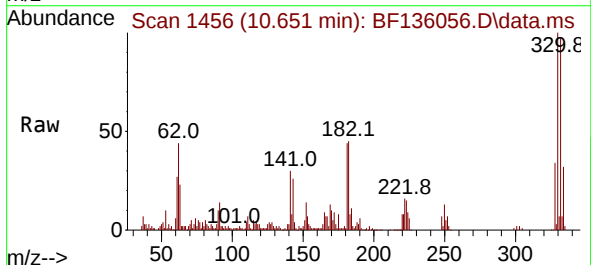
Instrument :  
BNA\_F  
ClientSampleId :  
M-1(0-5)

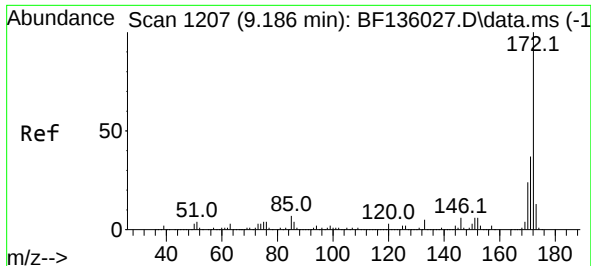
Tgt Ion:164 Resp: 163398  
Ion Ratio Lower Upper  
164 100  
162 99.5 80.1 120.1  
160 43.6 34.8 52.2



#42  
2,4,6-Tribromophenol  
Concen: 37.064 ng  
RT: 10.651 min Scan# 1456  
Delta R.T. -0.006 min  
Lab File: BF136056.D  
Acq: 31 Oct 2023 17:34

Tgt Ion:330 Resp: 64642  
Ion Ratio Lower Upper  
330 100  
332 97.7 76.9 115.3  
141 31.1 23.2 34.8





#45

2-Fluorobiphenyl

Concen: 26.507 ng

RT: 9.180 min Scan# 1207

Delta R.T. -0.006 min

Lab File: BF136056.D

Acq: 31 Oct 2023 17:34

Instrument :

BNA\_F

ClientSampleId :

M-1(0-5)

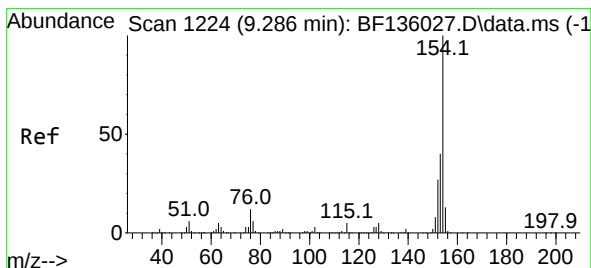
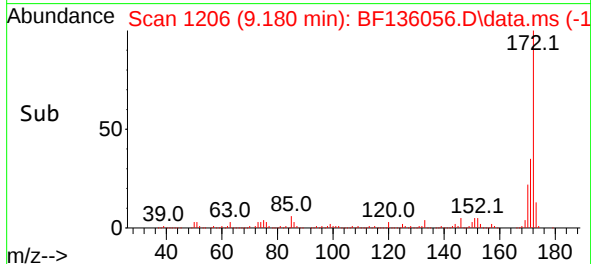
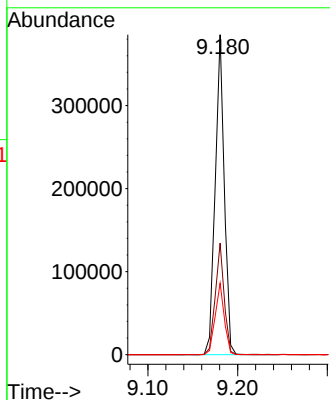
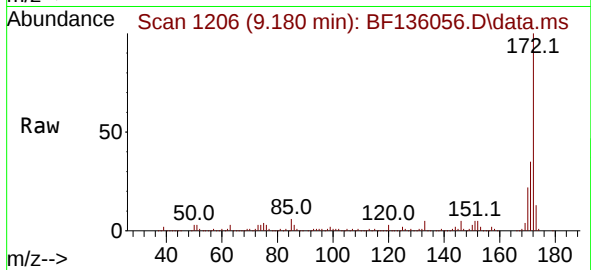
Tgt Ion:172 Resp: 271705

Ion Ratio Lower Upper

172 100

171 34.8 29.4 44.0

170 22.4 19.3 28.9



#46

1,1'-Biphenyl

Concen: 4.424 ng

RT: 9.280 min Scan# 1223

Delta R.T. -0.006 min

Lab File: BF136056.D

Acq: 31 Oct 2023 17:34

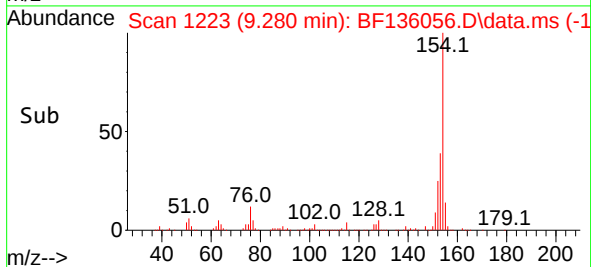
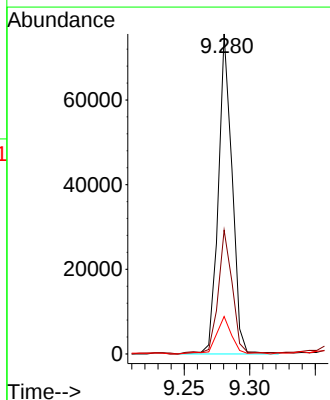
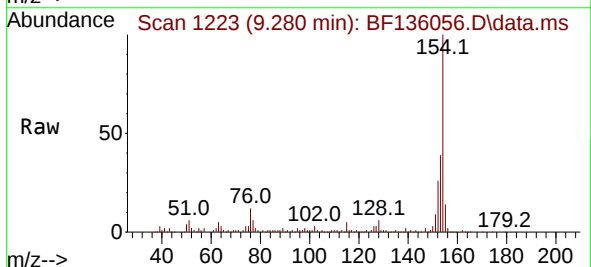
Tgt Ion:154 Resp: 55103

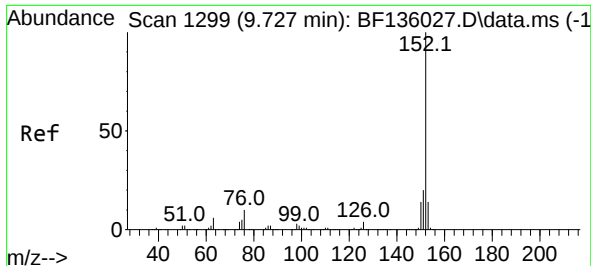
Ion Ratio Lower Upper

154 100

153 38.7 20.1 60.1

76 11.7 0.0 32.5





#49

Acenaphthylene

Concen: 35.039 ng

RT: 9.722 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF136056.D

Acq: 31 Oct 2023 17:34

Instrument :

BNA\_F

ClientSampleId :

M-1(0-5)

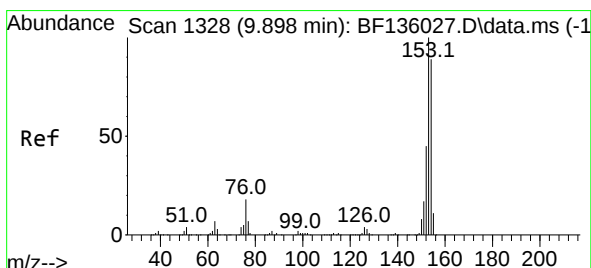
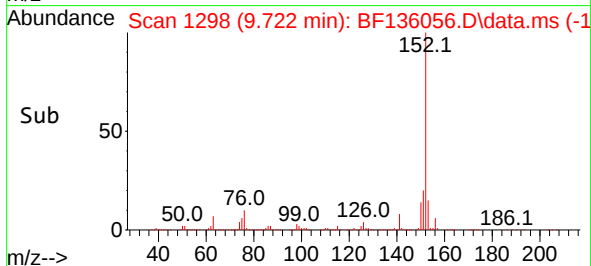
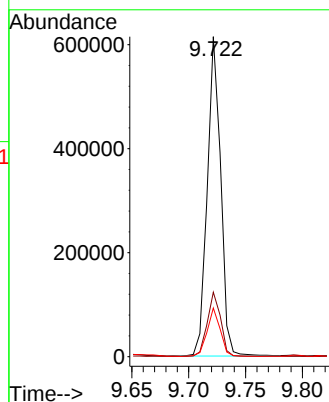
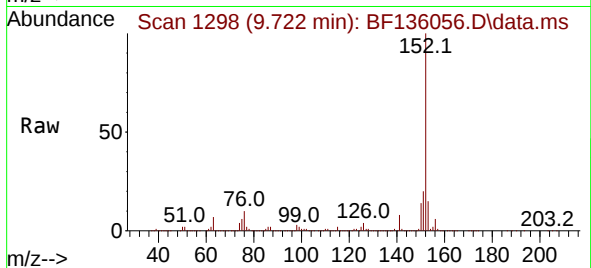
Tgt Ion:152 Resp: 501942

Ion Ratio Lower Upper

152 100

151 20.1 16.1 24.1

153 15.2 11.4 17.2



#52

Acenaphthene

Concen: 6.031 ng

RT: 9.892 min Scan# 1327

Delta R.T. -0.006 min

Lab File: BF136056.D

Acq: 31 Oct 2023 17:34

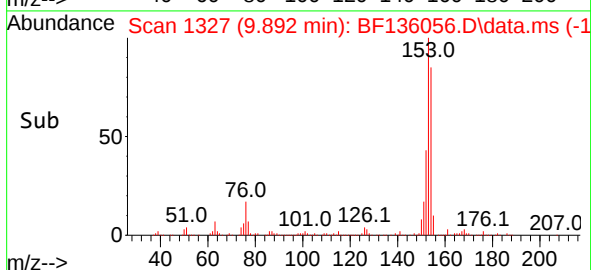
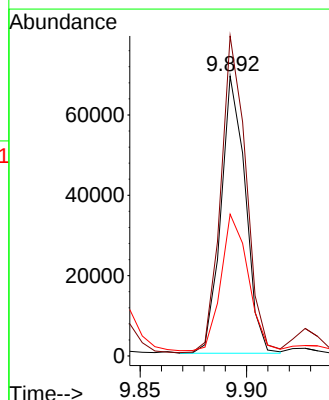
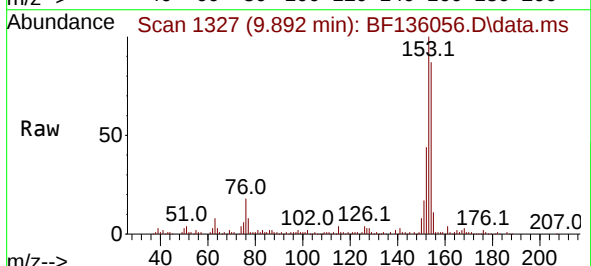
Tgt Ion:154 Resp: 54924

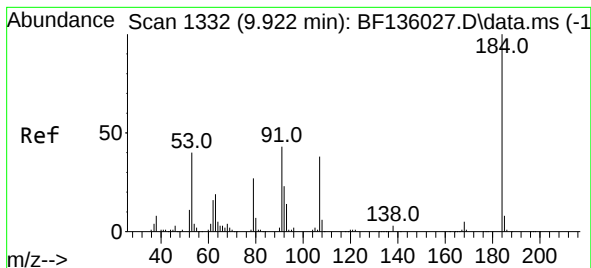
Ion Ratio Lower Upper

154 100

153 114.3 89.9 134.9

152 50.6 40.2 60.2





#54

2,4-Dinitrophenol

Concen: 8.101 ng

RT: 9.916 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF136056.D

Acq: 31 Oct 2023 17:34

Instrument :

BNA\_F

ClientSampleId :

M-1(0-5)

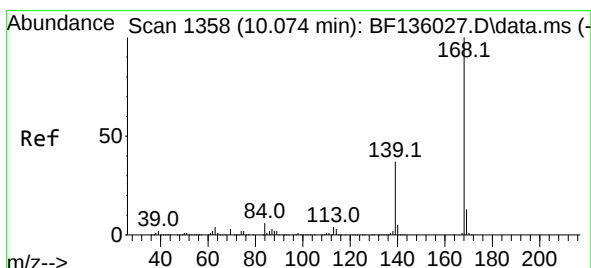
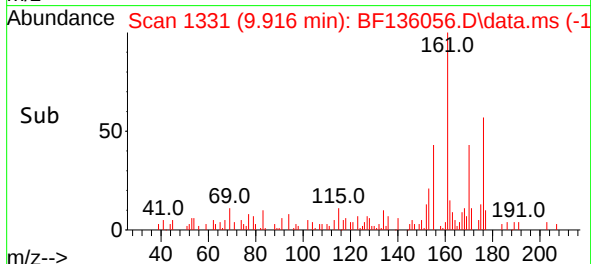
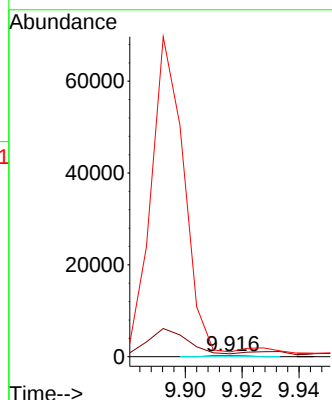
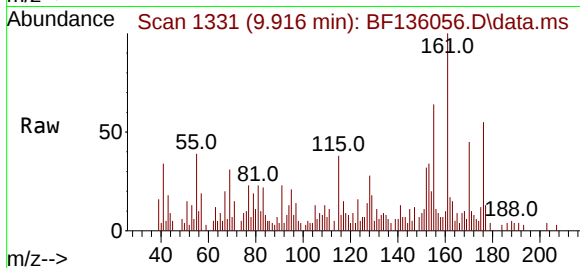
Tgt Ion:184 Resp: 172

Ion Ratio Lower Upper

184 100

63 386.8 43.7 65.5#

154 620.4 51.2 76.8#



#55

Dibenzofuran

Concen: 7.097 ng

RT: 10.069 min Scan# 1357

Delta R.T. -0.006 min

Lab File: BF136056.D

Acq: 31 Oct 2023 17:34

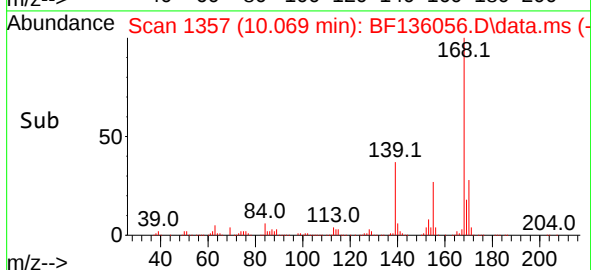
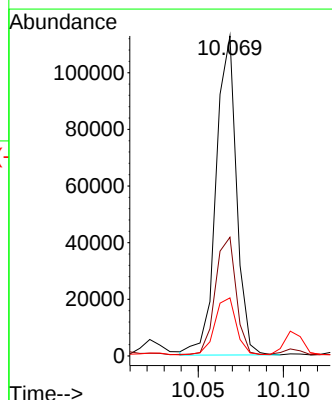
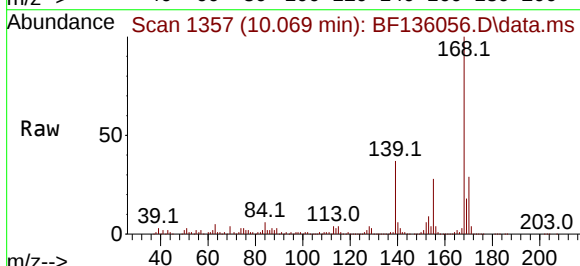
Tgt Ion:168 Resp: 94236

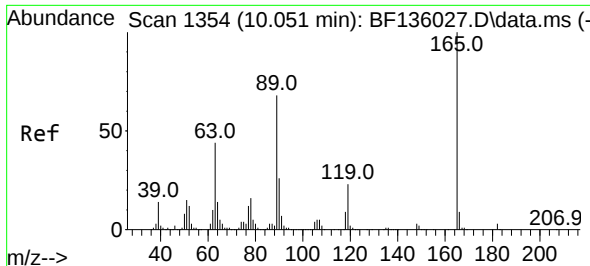
Ion Ratio Lower Upper

168 100

139 37.1 29.4 44.0

169 18.1 10.5 15.7#

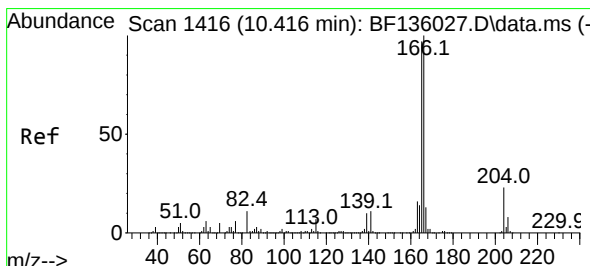
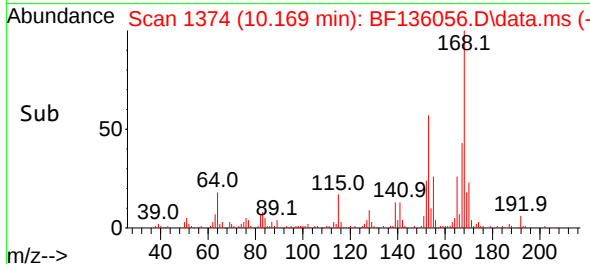
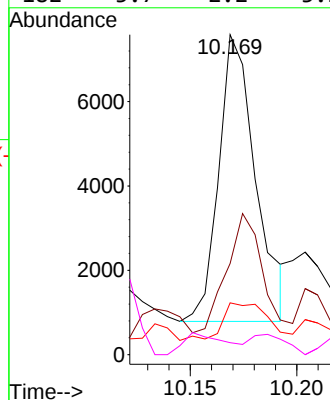
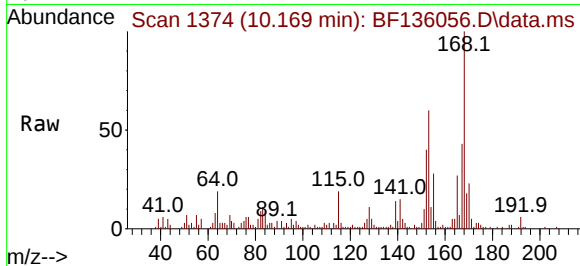




#57  
2,4-Dinitrotoluene  
Concen: 2.817 ng  
RT: 10.169 min Scan# 11  
Delta R.T. 0.118 min  
Lab File: BF136056.D  
Acq: 31 Oct 2023 17:34

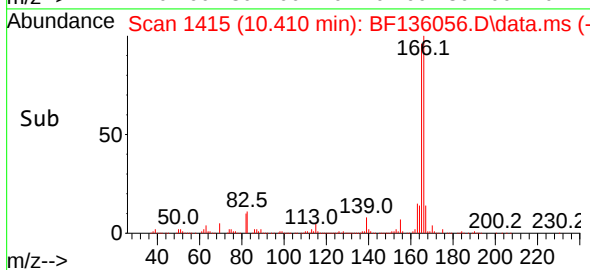
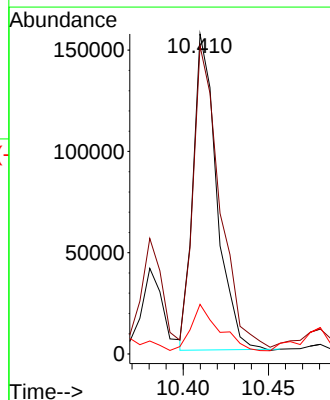
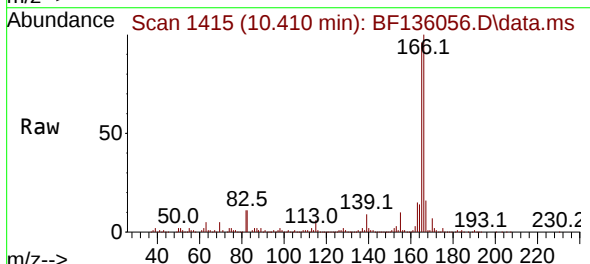
Instrument :  
BNA\_F  
ClientSampleId :  
M-1(0-5)

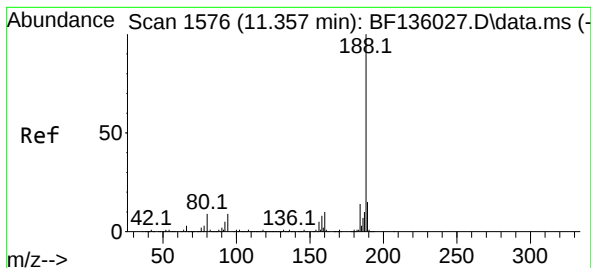
Tgt Ion:165 Resp: 8217  
Ion Ratio Lower Upper  
165 100  
63 28.5 35.2 52.8#  
89 16.2 54.8 82.2#  
182 3.7 2.2 3.2#



#58  
Fluorene  
Concen: 15.137 ng  
RT: 10.410 min Scan# 1415  
Delta R.T. -0.006 min  
Lab File: BF136056.D  
Acq: 31 Oct 2023 17:34

Tgt Ion:166 Resp: 150499  
Ion Ratio Lower Upper  
166 100  
165 96.2 77.7 116.5  
167 15.5 10.6 16.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.357 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF136056.D

Acq: 31 Oct 2023 17:34

Instrument :

BNA\_F

ClientSampleId :

M-1(0-5)

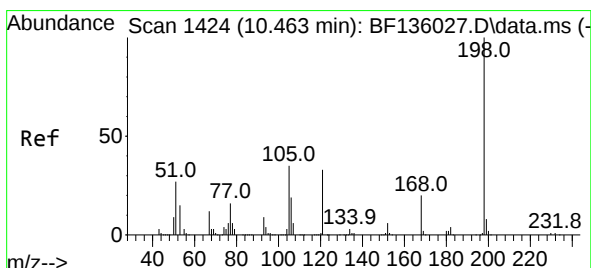
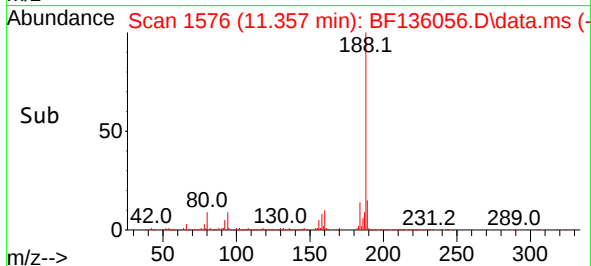
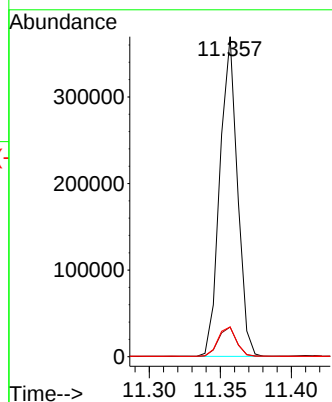
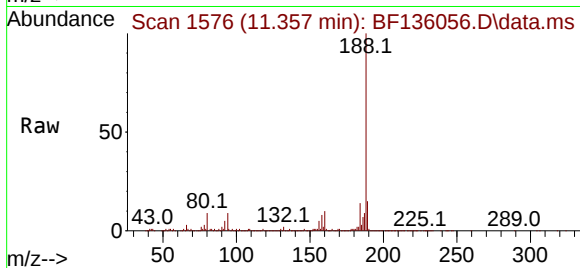
Tgt Ion:188 Resp: 317195

Ion Ratio Lower Upper

188 100

94 9.3 7.2 10.8

80 9.3 7.4 11.0



#65

4,6-Dinitro-2-methylphenol

Concen: 5.881 ng

RT: 10.475 min Scan# 1426

Delta R.T. 0.012 min

Lab File: BF136056.D

Acq: 31 Oct 2023 17:34

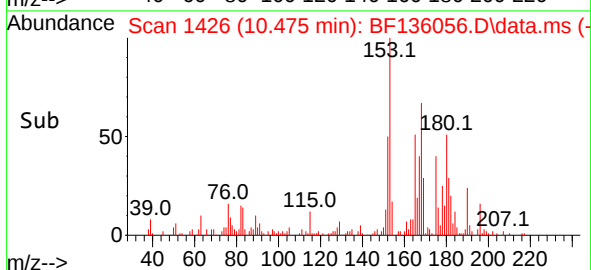
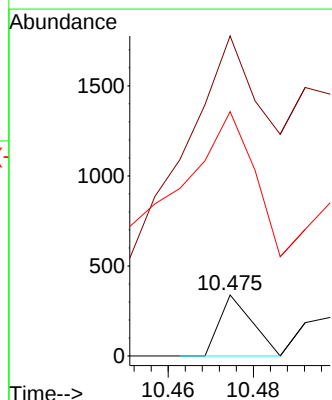
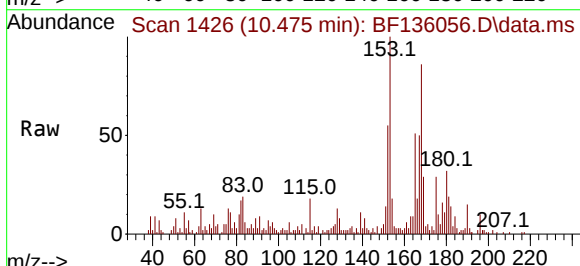
Tgt Ion:198 Resp: 180

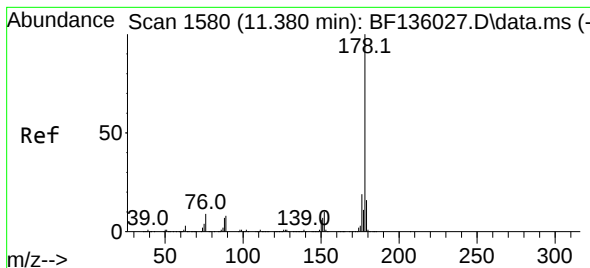
Ion Ratio Lower Upper

198 100

51 524.2 12.9 52.9#

105 400.3 16.0 56.0#





#71

Phenanthrene

Concen: 80.775 ng

RT: 11.386 min Scan# 1580

Delta R.T. 0.006 min

Lab File: BF136056.D

Acq: 31 Oct 2023 17:34

Instrument :

BNA\_F

ClientSampleId :

M-1(0-5)

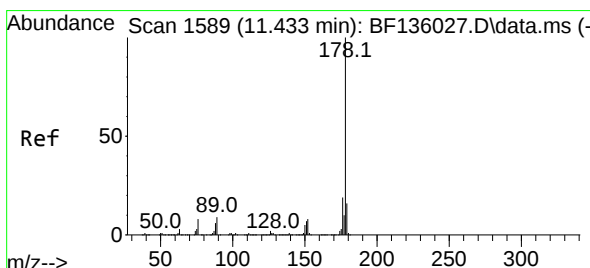
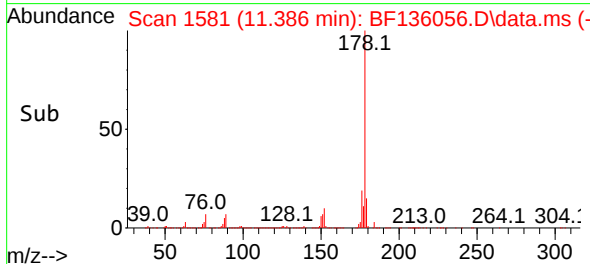
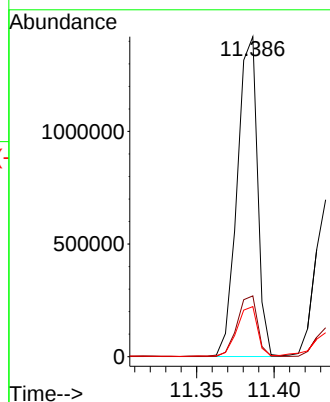
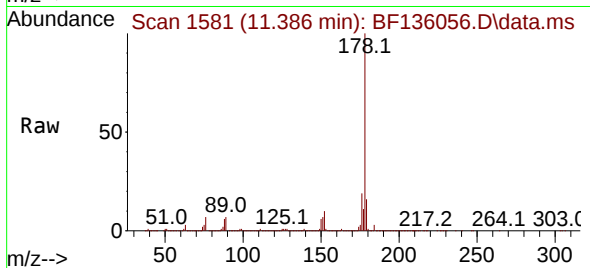
Tgt Ion:178 Resp: 1290049

Ion Ratio Lower Upper

178 100

176 19.0 15.5 23.3

179 15.7 12.9 19.3



#72

Anthracene

Concen: 34.224 ng

RT: 11.433 min Scan# 1589

Delta R.T. 0.000 min

Lab File: BF136056.D

Acq: 31 Oct 2023 17:34

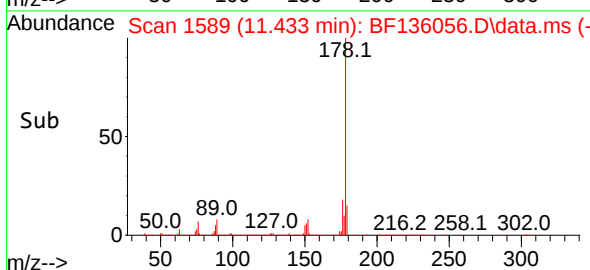
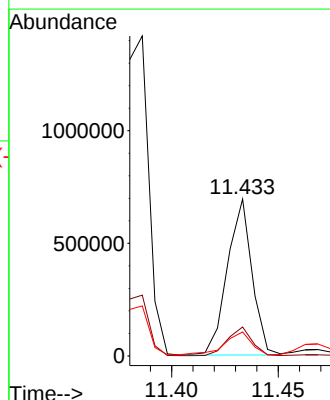
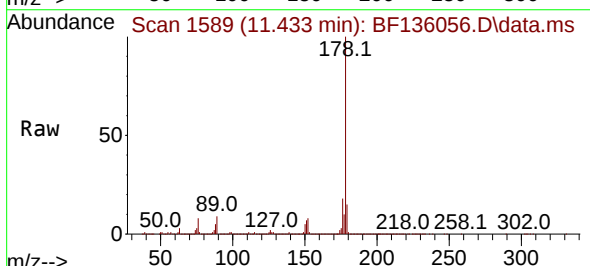
Tgt Ion:178 Resp: 560081

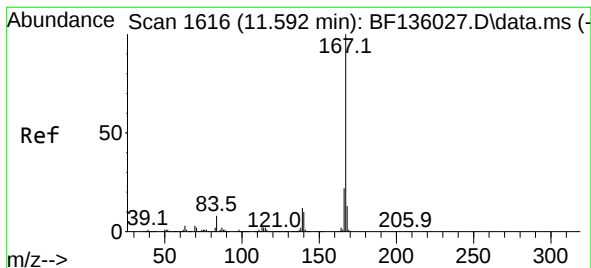
Ion Ratio Lower Upper

178 100

176 18.4 15.0 22.4

179 15.3 12.6 18.8





#73

Carbazole

Concen: 2.910 ng

RT: 11.586 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF136056.D

Acq: 31 Oct 2023 17:34

Instrument :

BNA\_F

ClientSampleId :

M-1(0-5)

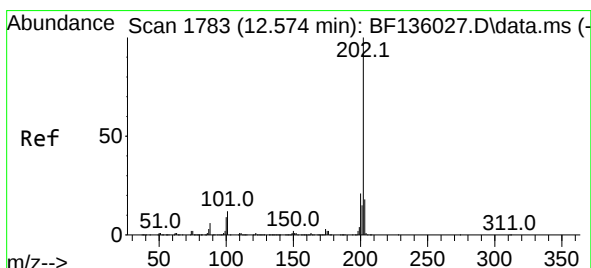
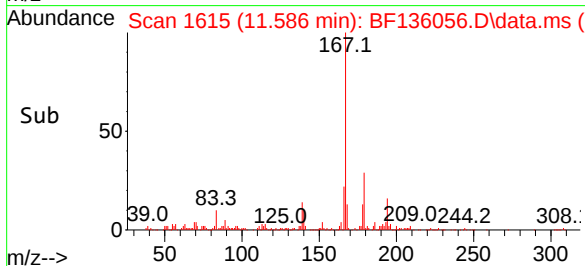
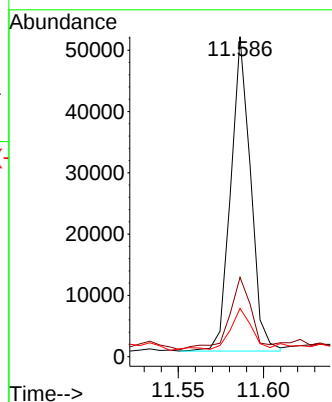
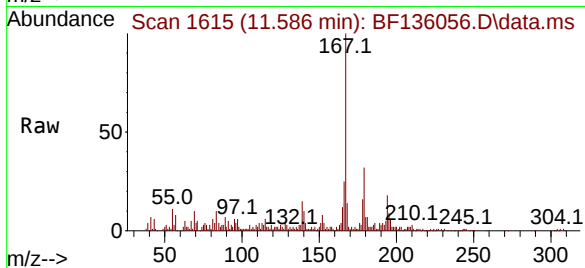
Tgt Ion:167 Resp: 41379

Ion Ratio Lower Upper

167 100

166 24.8 17.2 25.8

139 15.1 9.9 14.9#



#75

Fluoranthene

Concen: 97.762 ng

RT: 12.586 min Scan# 1785

Delta R.T. 0.012 min

Lab File: BF136056.D

Acq: 31 Oct 2023 17:34

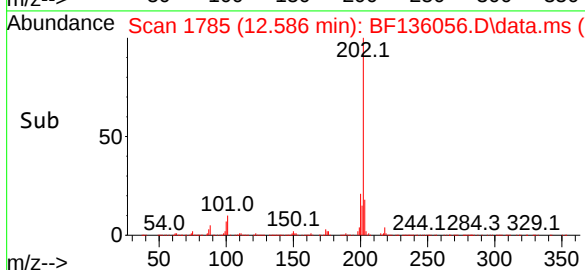
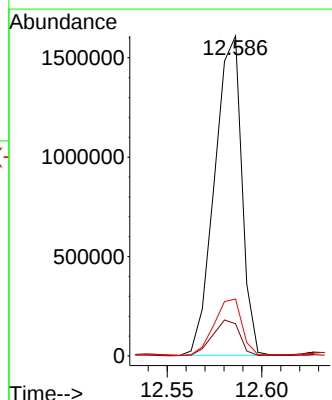
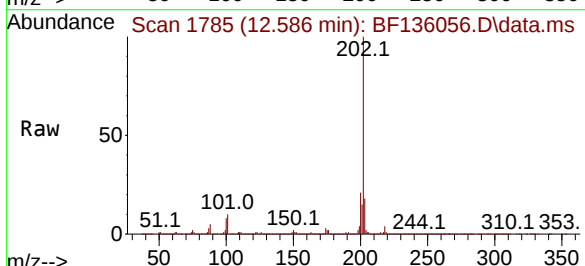
Tgt Ion:202 Resp: 1603974

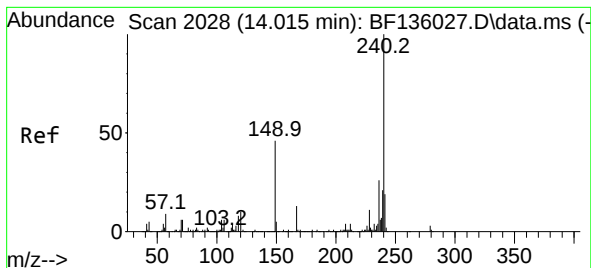
Ion Ratio Lower Upper

202 100

101 10.0 0.0 31.8

203 17.8 0.0 37.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.021 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF136056.D

Acq: 31 Oct 2023 17:34

Instrument :

BNA\_F

ClientSampleId :

M-1(0-5)

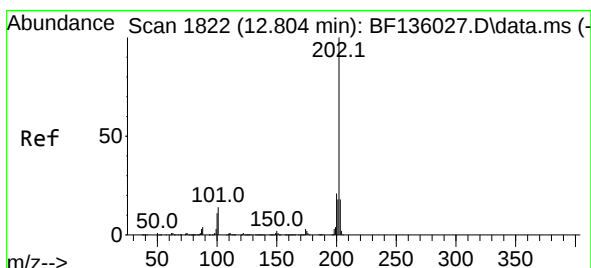
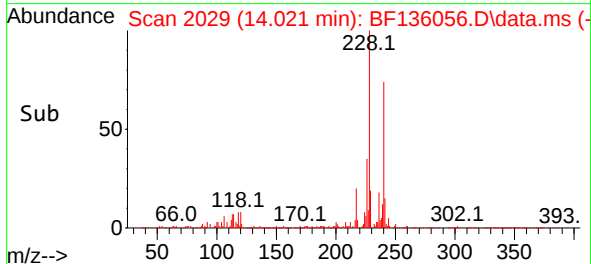
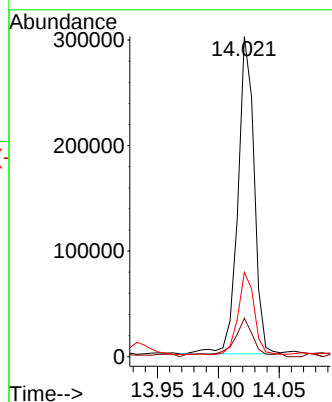
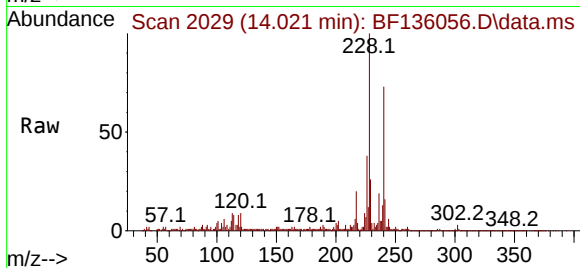
Tgt Ion:240 Resp: 279069

Ion Ratio Lower Upper

240 100

120 12.0 7.6 11.4#

236 26.4 20.6 31.0



#78

Pyrene

Concen: 86.686 ng

RT: 12.816 min Scan# 1824

Delta R.T. 0.012 min

Lab File: BF136056.D

Acq: 31 Oct 2023 17:34

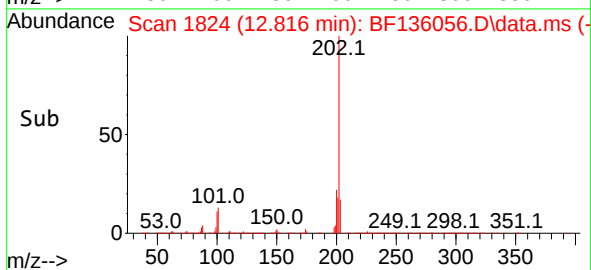
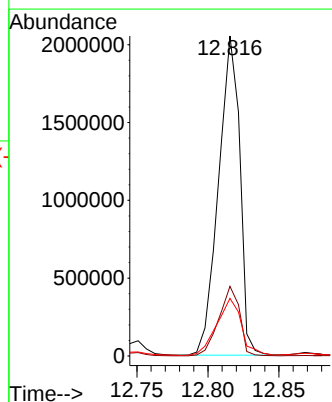
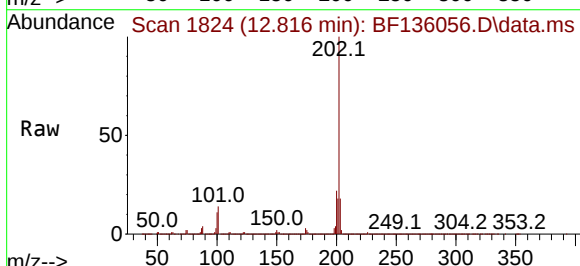
Tgt Ion:202 Resp: 2132840

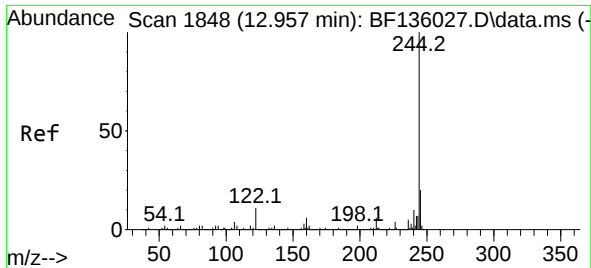
Ion Ratio Lower Upper

202 100

200 21.7 17.0 25.4

203 18.0 14.4 21.6

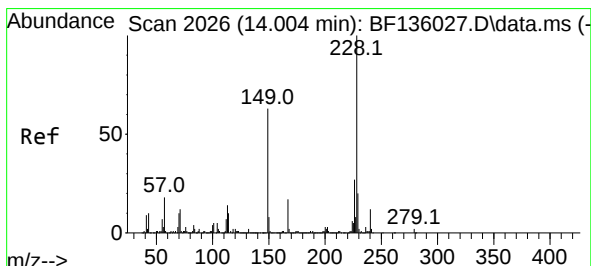
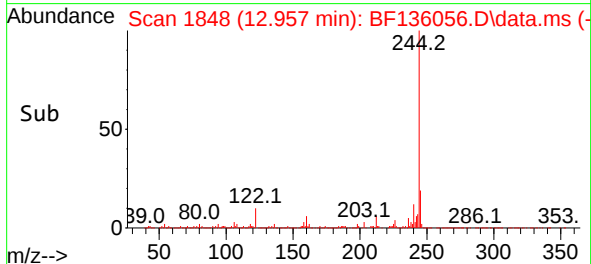
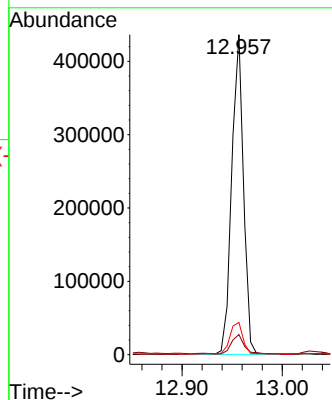
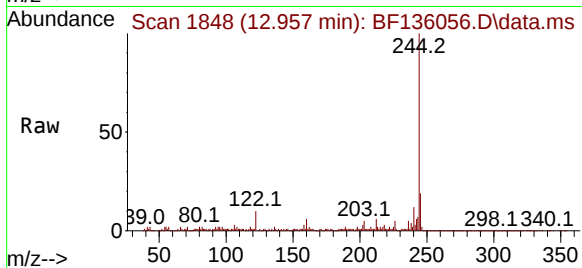




#79  
 Terphenyl-d14  
 Concen: 19.706 ng  
 RT: 12.957 min Scan# 1  
 Delta R.T. 0.000 min  
 Lab File: BF136056.D  
 Acq: 31 Oct 2023 17:34

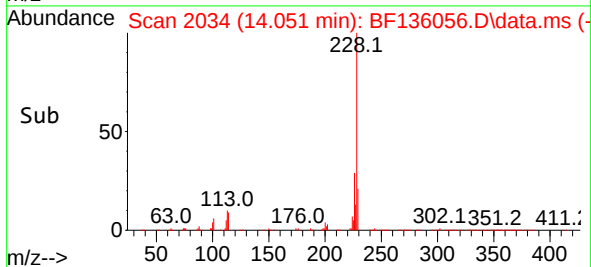
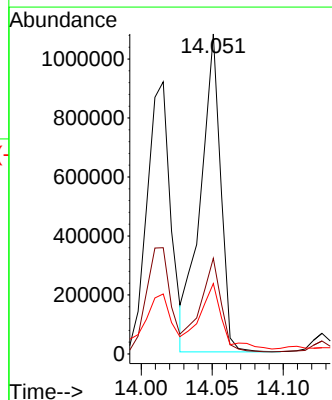
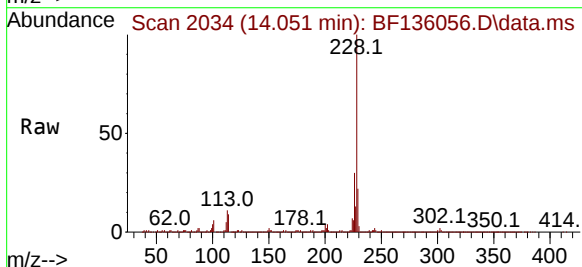
Instrument :  
 BNA\_F  
 ClientSampleId :  
 M-1(0-5)

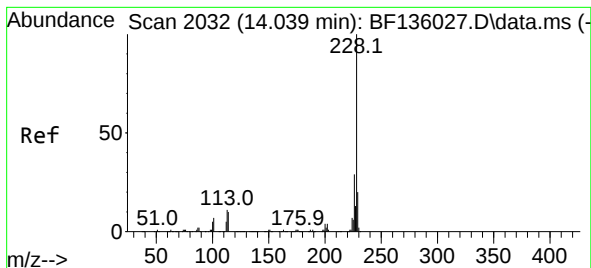
Tgt Ion:244 Resp: 353884  
 Ion Ratio Lower Upper  
 244 100  
 212 6.3 5.1 7.7  
 122 10.1 8.6 12.8



#81  
 Benzo(a)anthracene  
 Concen: 57.614 ng  
 RT: 14.051 min Scan# 2034  
 Delta R.T. 0.047 min  
 Lab File: BF136056.D  
 Acq: 31 Oct 2023 17:34

Tgt Ion:228 Resp: 1064428  
 Ion Ratio Lower Upper  
 228 100  
 226 29.9 21.5 32.3  
 229 22.0 15.8 23.6





#83

Chrysene

Concen: 58.502 ng

RT: 14.051 min Scan# 2032

Delta R.T. 0.012 min

Lab File: BF136056.D

Acq: 31 Oct 2023 17:34

Instrument :

BNA\_F

ClientSampleId :

M-1(0-5)

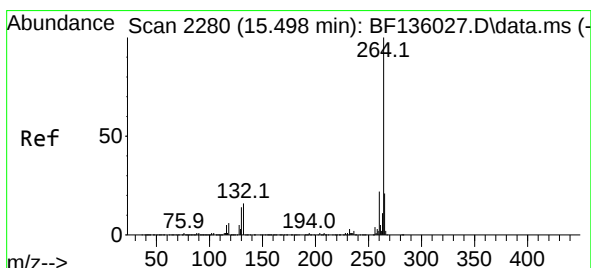
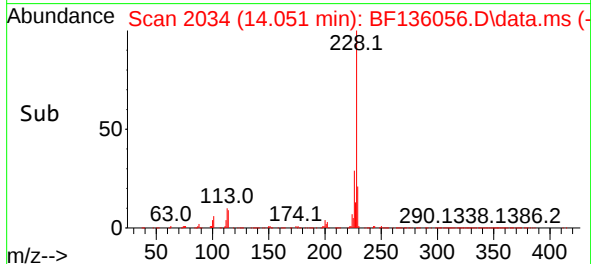
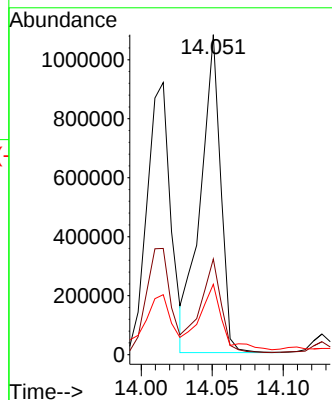
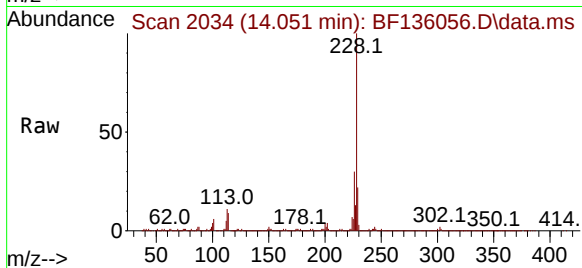
Tgt Ion:228 Resp: 1064428

Ion Ratio Lower Upper

228 100

226 29.9 23.5 35.3

229 22.0 16.0 24.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.515 min Scan# 2283

Delta R.T. 0.018 min

Lab File: BF136056.D

Acq: 31 Oct 2023 17:34

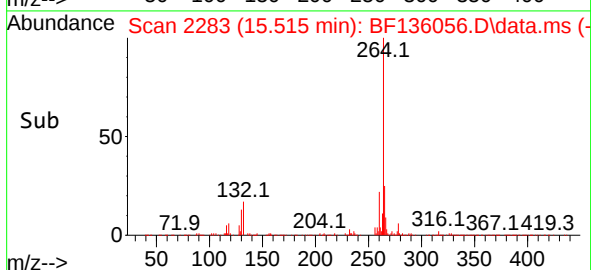
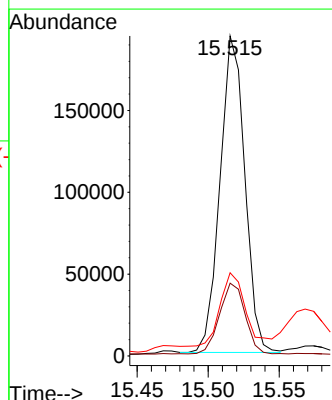
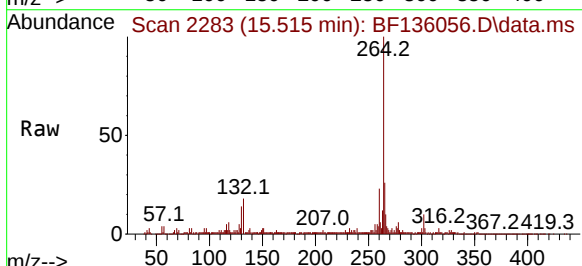
Tgt Ion:264 Resp: 234975

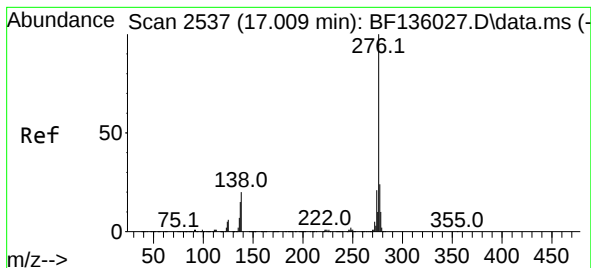
Ion Ratio Lower Upper

264 100

260 22.7 17.9 26.9

265 26.0 16.8 25.2#





#87

Indeno(1,2,3-cd)pyrene

Concen: 25.214 ng

RT: 17.039 min Scan# 21

Delta R.T. 0.030 min

Lab File: BF136056.D

Acq: 31 Oct 2023 17:34

Instrument :

BNA\_F

ClientSampleId :

M-1(0-5)

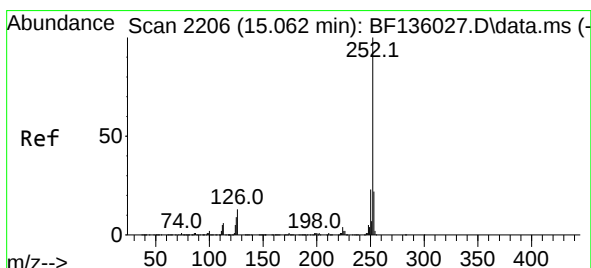
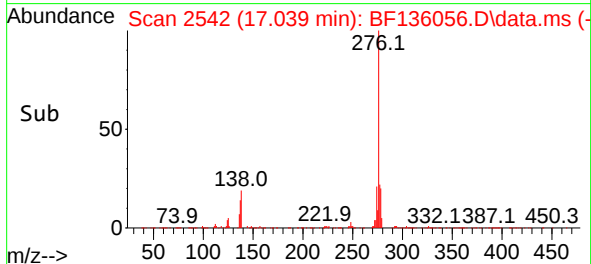
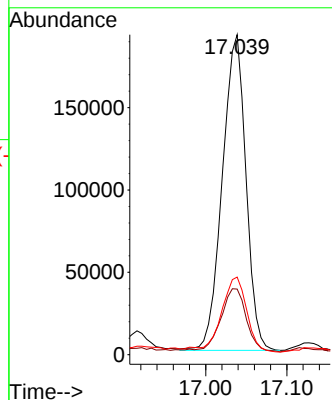
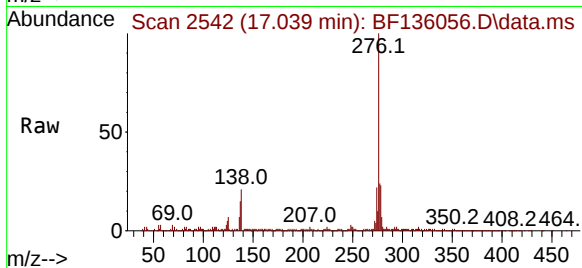
Tgt Ion:276 Resp: 387204

Ion Ratio Lower Upper

276 100

138 21.9 20.4 30.6

277 26.0 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 91.524 ng

RT: 15.080 min Scan# 2209

Delta R.T. 0.018 min

Lab File: BF136056.D

Acq: 31 Oct 2023 17:34

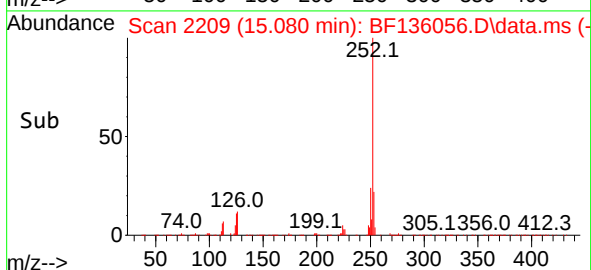
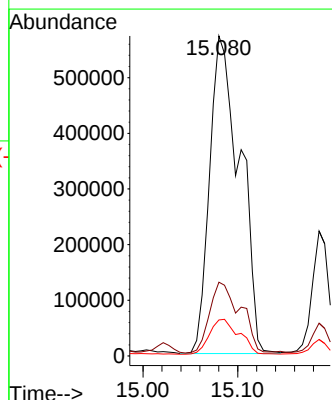
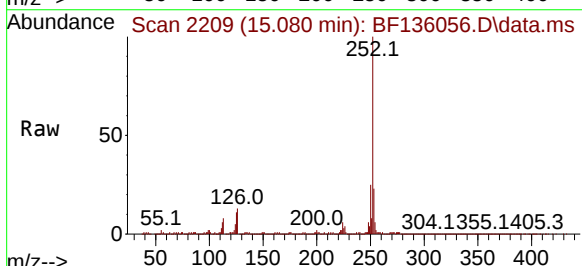
Tgt Ion:252 Resp: 1272545

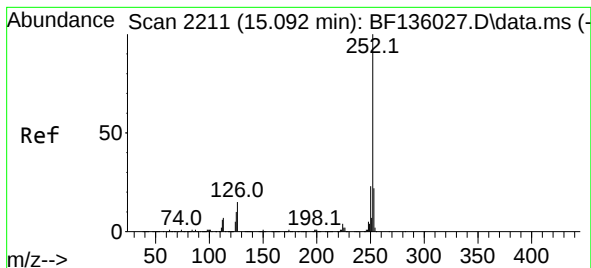
Ion Ratio Lower Upper

252 100

253 23.1 17.7 26.5

125 11.3 7.5 11.3





#89

Benzo(k)fluoranthene

Concen: 92.501 ng

RT: 15.080 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF136056.D

Acq: 31 Oct 2023 17:34

Instrument :

BNA\_F

ClientSampleId :

M-1(0-5)

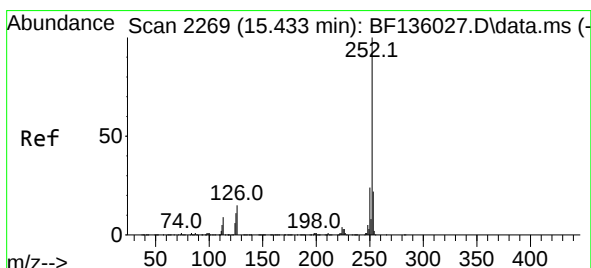
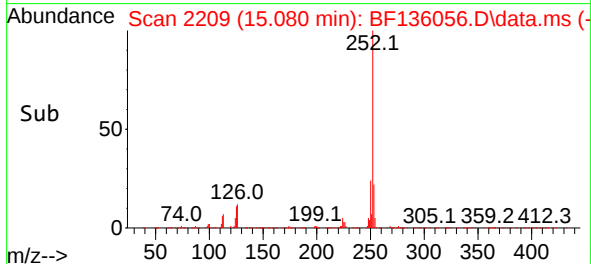
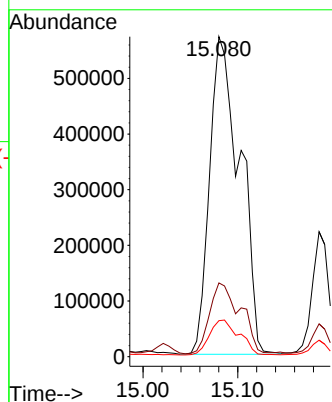
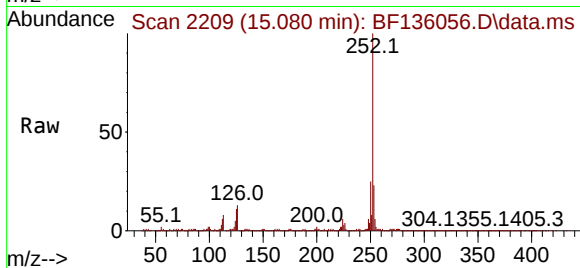
Tgt Ion:252 Resp: 1272545

Ion Ratio Lower Upper

252 100

253 23.1 17.4 26.0

125 11.3 8.0 12.0



#90

Benzo(a)pyrene

Concen: 65.544 ng

RT: 15.457 min Scan# 2273

Delta R.T. 0.024 min

Lab File: BF136056.D

Acq: 31 Oct 2023 17:34

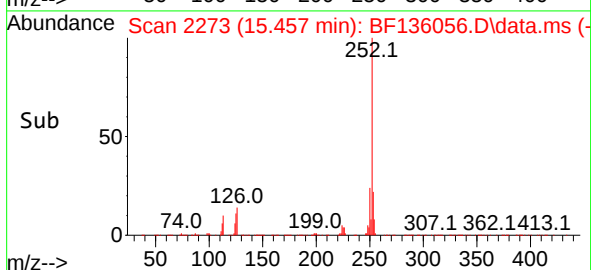
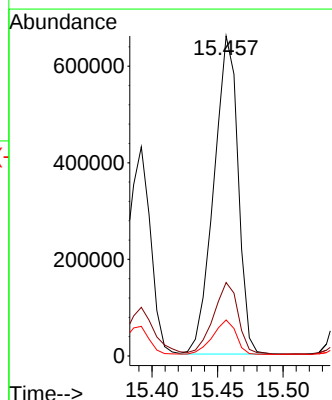
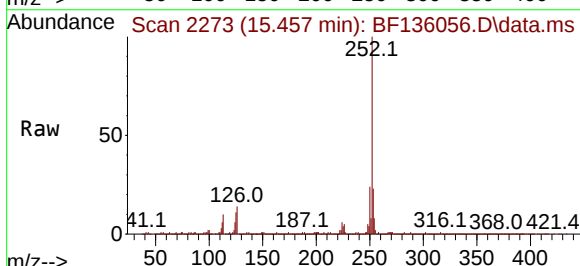
Tgt Ion:252 Resp: 846750

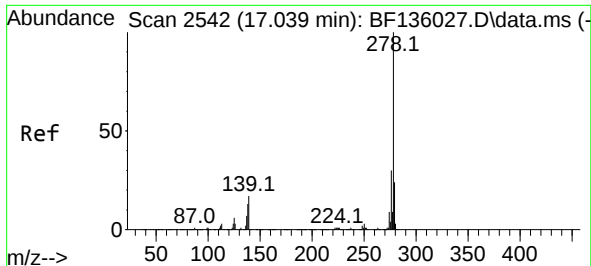
Ion Ratio Lower Upper

252 100

253 23.0 17.3 25.9

125 11.3 9.0 13.6

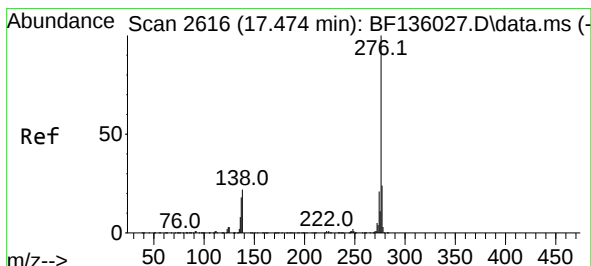
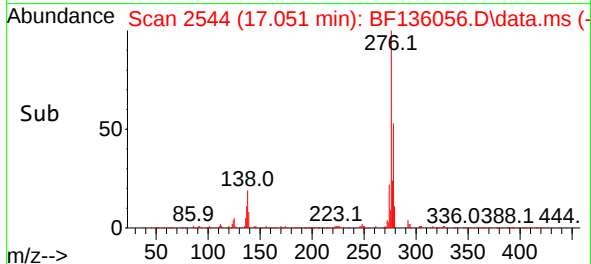
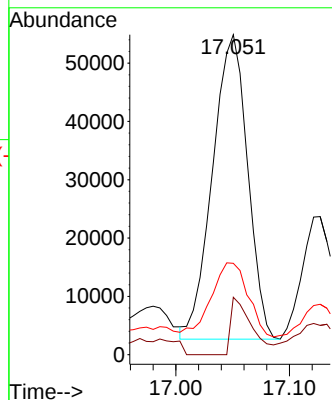
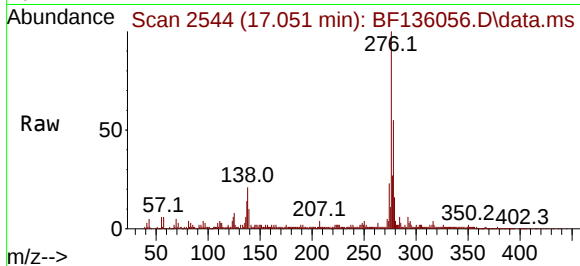




#91  
Dibenzo(a,h)anthracene  
Concen: 8.902 ng  
RT: 17.051 min Scan# 21  
Delta R.T. 0.012 min  
Lab File: BF136056.D  
Acq: 31 Oct 2023 17:34

Instrument :  
BNA\_F  
ClientSampleId :  
M-1(0-5)

Tgt Ion:278 Resp: 111983  
Ion Ratio Lower Upper  
278 100  
139 17.9 13.7 20.5  
279 28.5 19.0 28.6



#92  
Benzo(g,h,i)perylene  
Concen: 28.658 ng  
RT: 17.498 min Scan# 2620  
Delta R.T. 0.024 min  
Lab File: BF136056.D  
Acq: 31 Oct 2023 17:34

Tgt Ion:276 Resp: 392658  
Ion Ratio Lower Upper  
276 100  
277 24.7 19.0 28.4  
138 22.2 17.4 26.2

