

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101623\  
 Data File : BF135801.D  
 Acq On : 17 Oct 2023 04:00  
 Operator : CG\JU  
 Sample : 04704-04 5X  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Oct 17 04:38:07 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101323.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Oct 17 01:22:00 2023  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.734  | 152  | 100130   | 20.000  | ng    | -0.01    |
| 21) Naphthalene-d8          | 8.016  | 136  | 352403   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.775  | 164  | 153068   | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10        | 11.275 | 188  | 259410   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12            | 13.945 | 240  | 153394   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12            | 15.421 | 264  | 134755   | 20.000  | ng    | 0.00     |
|                             |        |      |          |         |       |          |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.375  | 112  | 114046   | 18.312  | ng    | 0.00     |
| 7) Phenol-d6                | 6.392  | 99   | 146197   | 18.814  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.304  | 82   | 87362    | 13.635  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 10.575 | 330  | 24263    | 16.519  | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 9.092  | 172  | 163822   | 16.734  | ng    | -0.01    |
| 79) Terphenyl-d14           | 12.869 | 244  | 139982   | 16.900  | ng    | -0.01    |
|                             |        |      |          |         |       |          |
| Target Compounds            |        |      |          |         |       | Qvalue   |
| 18) Hexachloroethane        | 7.263  | 117  | 6704     | 2.681   | ng    | # 1      |
| 25) Isophorone              | 7.304  | 82   | 87362    | 7.227   | ng    | # 66     |
| 31) Naphthalene             | 8.039  | 128  | 980012   | 57.015  | ng    | 99       |
| 33) 4-Chloroaniline         | 8.039  | 127  | 130213   | 17.342  | ng    | # 31     |
| 37) 2-Methylnaphthalene     | 8.733  | 142  | 386607   | 34.138  | ng    | 98       |
| 38) 1-Methylnaphthalene     | 8.833  | 142  | 733275   | 70.202  | ng    | 98       |
| 46) 1,1'-Biphenyl           | 9.192  | 154  | 170683   | 14.557  | ng    | 100      |
| 47) 2-Chloronaphthalene     | 9.269  | 162  | 41891    | 4.957   | ng    | # 47     |
| 48) 2-Nitroaniline          | 9.357  | 65   | 6935     | 2.079   | ng    | # 27     |
| 49) Acenaphthylene          | 9.639  | 152  | 402637   | 28.792  | ng    | 98       |
| 51) 2,6-Dinitrotoluene      | 9.469  | 165  | 4522     | 2.035   | ng    | # 60     |
| 52) Acenaphthene            | 9.804  | 154  | 116849   | 13.941  | ng    | 99       |
| 55) Dibenzofuran            | 9.980  | 168  | 78873    | 6.236   | ng    | # 83     |
| 56) 4-Nitrophenol           | 9.922  | 139  | 1953     | 6.950   | ng    | # 54     |
| 58) Fluorene                | 10.328 | 166  | 474535   | 47.927  | ng    | 99       |
| 66) n-Nitrosodiphenylamine  | 10.433 | 169  | 15981    | 2.021   | ng    | # 77     |
| 71) Phenanthrene            | 11.310 | 178  | 1826685  | 146.994 | ng    | 100      |
| 72) Anthracene              | 11.351 | 178  | 392873   | 30.509  | ng    | 99       |
| 73) Carbazole               | 11.516 | 167  | 30710    | 2.557   | ng    | # 91     |
| 75) Fluoranthene            | 12.504 | 202  | 1181966  | 85.697  | ng    | 99       |
| 78) Pyrene                  | 12.739 | 202  | 1692212  | 138.825 | ng    | 98       |
| 81) Benzo(a)anthracene      | 13.933 | 228  | 615916   | 61.130  | ng    | 93       |
| 83) Chrysene                | 13.968 | 228  | 546175   | 55.967  | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene  | 16.927 | 276  | 159904   | 21.778  | ng    | # 93     |
| 88) Benzo(b)fluoranthene    | 14.992 | 252  | 504766   | 66.929  | ng    | 100      |
| 89) Benzo(k)fluoranthene    | 14.992 | 252  | 504766   | 68.939  | ng    | 98       |
| 90) Benzo(a)pyrene          | 15.362 | 252  | 393874   | 55.539  | ng    | 98       |
| 91) Dibenzo(a,h)anthracene  | 16.921 | 278  | 47745    | 7.932   | ng    | # 86     |
| 92) Benzo(g,h,i)perylene    | 17.380 | 276  | 170915   | 27.643  | ng    | 95       |

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

BNA F

BNA F

**ClientSampleId :**

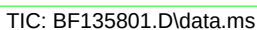
Quant Time: Oct 17 04:38:07 2023

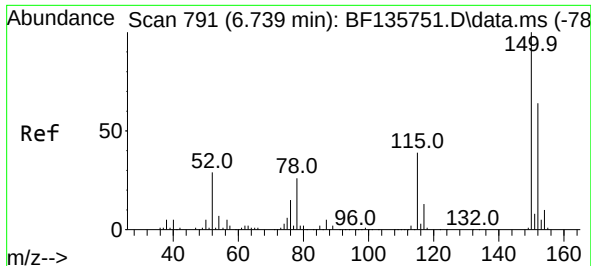
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101323.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Oct 17 01:22:00 2023

Response via : Initial Calibration

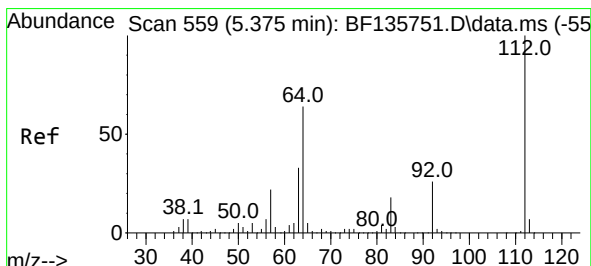
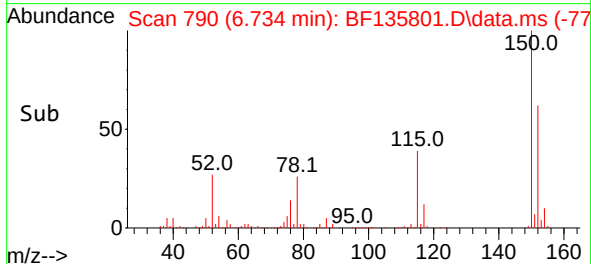
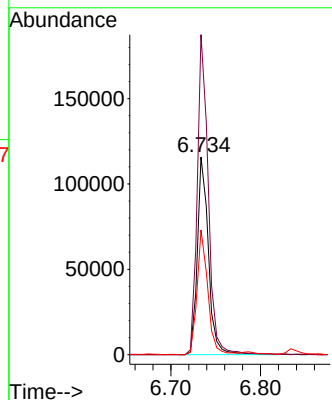
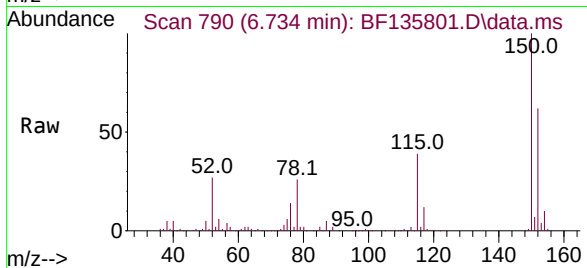




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.734 min Scan# 791  
Delta R.T. -0.012 min  
Lab File: BF135801.D  
Acq: 17 Oct 2023 04:00

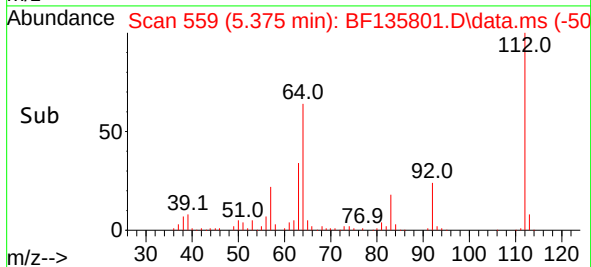
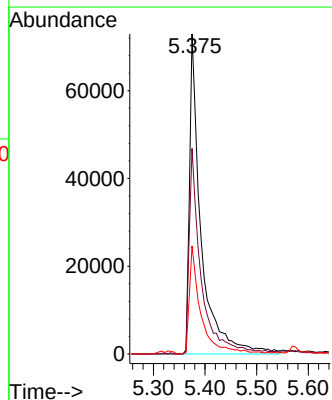
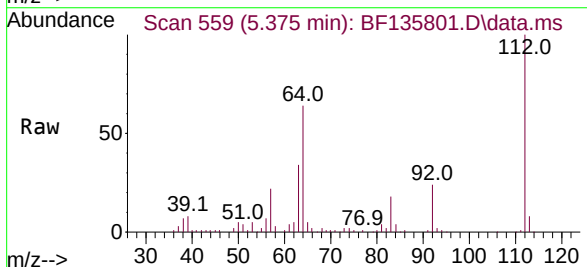
Instrument :  
BNA\_F  
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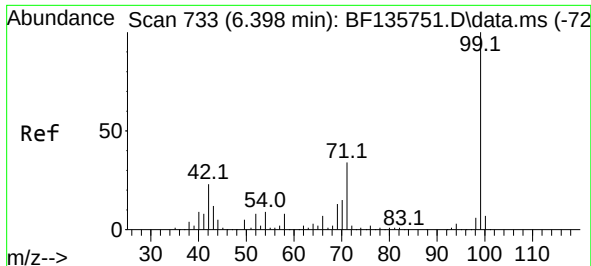
Tgt Ion:152 Resp: 100130  
Ion Ratio Lower Upper  
152 100  
150 162.0 124.5 186.7  
115 63.1 49.0 73.4



#5  
2-Fluorophenol  
Concen: 18.312 ng  
RT: 5.375 min Scan# 559  
Delta R.T. -0.000 min  
Lab File: BF135801.D  
Acq: 17 Oct 2023 04:00

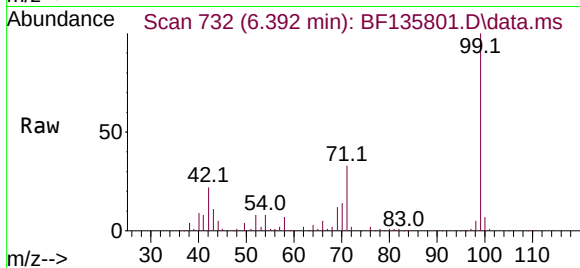
Tgt Ion:112 Resp: 114046  
Ion Ratio Lower Upper  
112 100  
64 64.2 51.2 76.8  
63 33.8 26.1 39.1



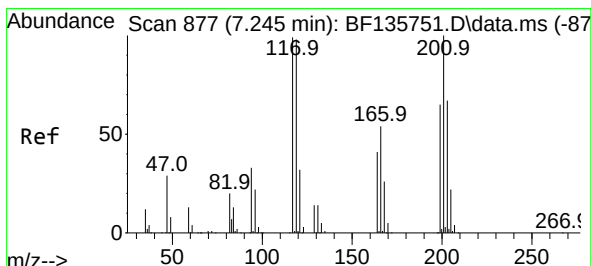
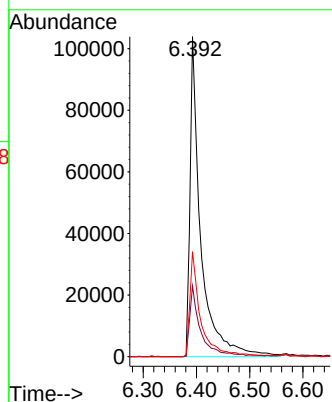
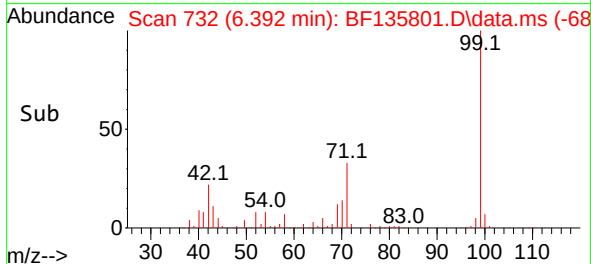


#7  
Phenol-d6  
Concen: 18.814 ng  
RT: 6.392 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF135801.D  
Acq: 17 Oct 2023 04:00

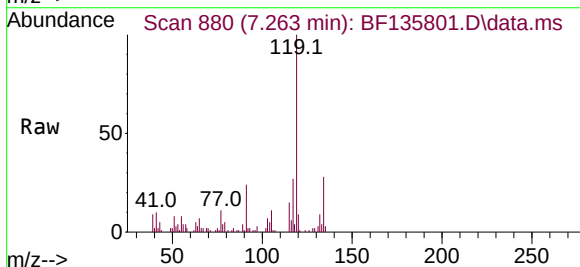
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BNA\_F  
ClientSampleId :



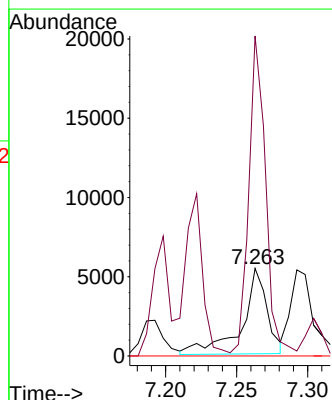
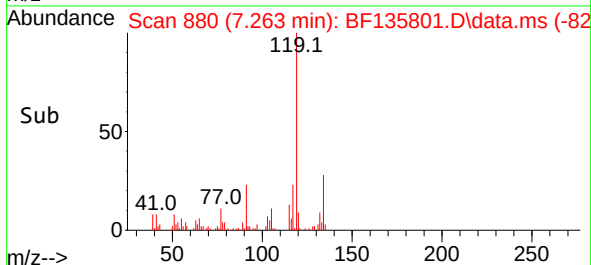
Tgt Ion: 99 Resp: 146197  
Ion Ratio Lower Upper  
99 100  
42 22.1 18.4 27.6  
71 32.8 27.2 40.8

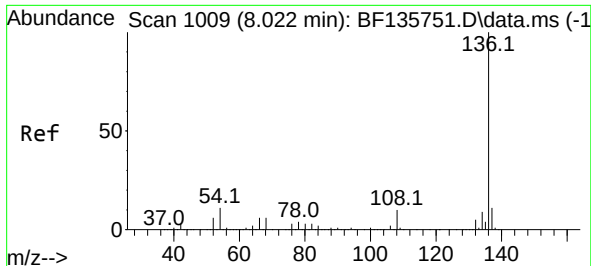


#18  
Hexachloroethane  
Concen: 2.681 ng  
RT: 7.263 min Scan# 880  
Delta R.T. 0.018 min  
Lab File: BF135801.D  
Acq: 17 Oct 2023 04:00



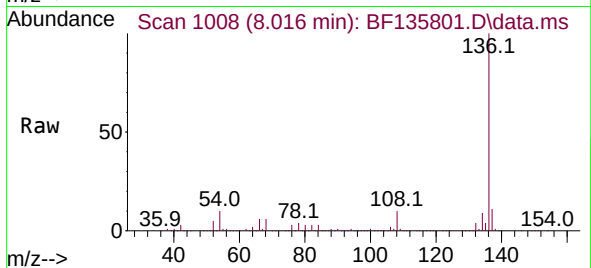
Tgt Ion: 117 Resp: 6704  
Ion Ratio Lower Upper  
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119 365.7 79.5 119.3#  
201 0.0 80.9 121.3#



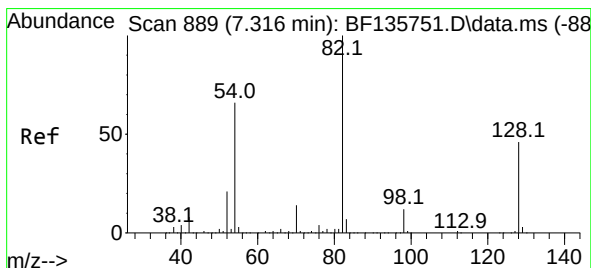
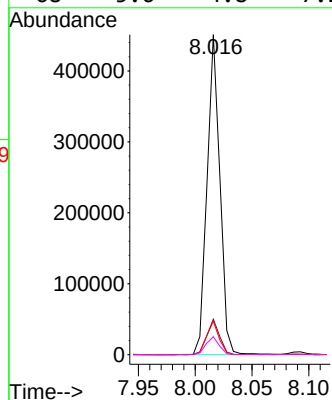
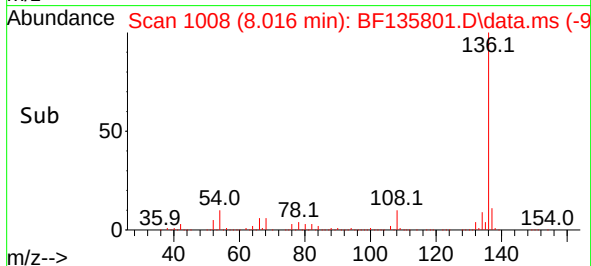


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.016 min Scan# 10  
Delta R.T. -0.006 min  
Lab File: BF135801.D  
Acq: 17 Oct 2023 04:00

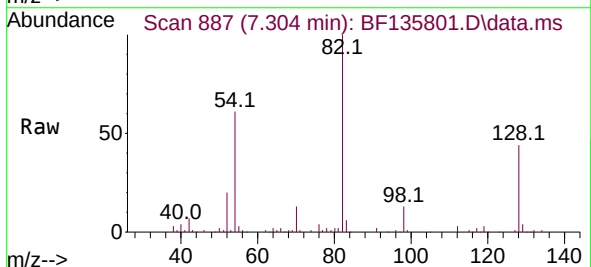
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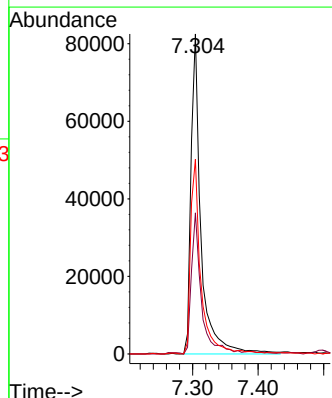
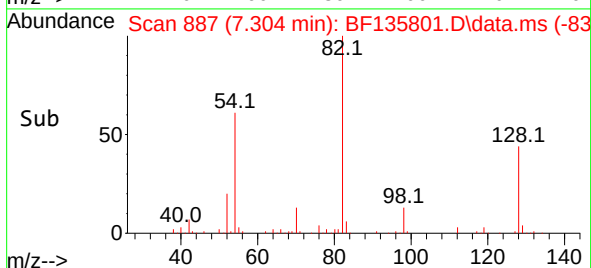
Tgt Ion:136 Resp: 352403  
Ion Ratio Lower Upper  
136 100  
137 11.1 8.6 12.8  
54 10.5 8.5 12.7  
68 5.6 4.8 7.2

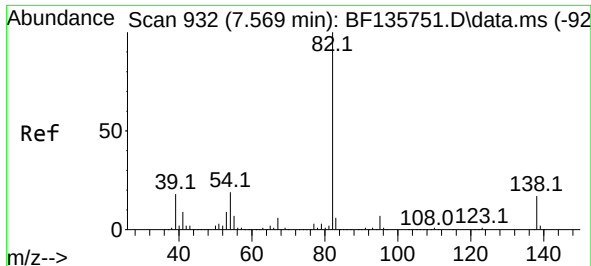


#23  
Nitrobenzene-d5  
Concen: 13.635 ng  
RT: 7.304 min Scan# 887  
Delta R.T. -0.012 min  
Lab File: BF135801.D  
Acq: 17 Oct 2023 04:00



Tgt Ion: 82 Resp: 87362  
Ion Ratio Lower Upper  
82 100  
128 44.1 37.0 55.6  
54 60.9 52.8 79.2

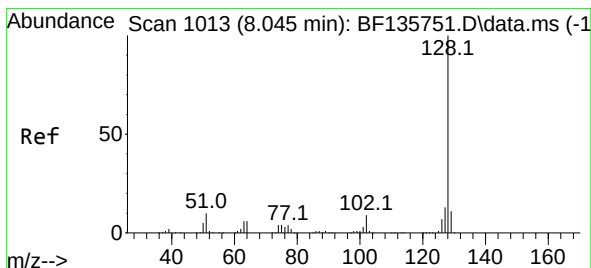
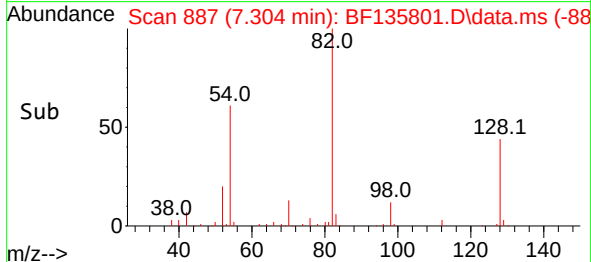
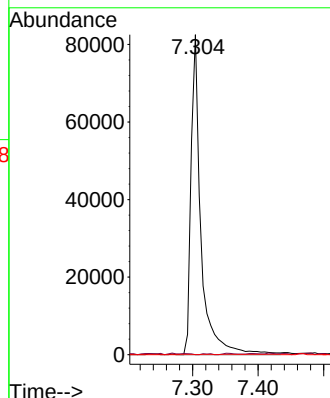
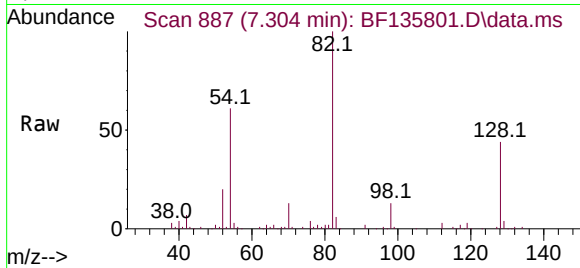




#25  
Isophorone  
Concen: 7.227 ng  
RT: 7.304 min Scan# 81  
Delta R.T. -0.265 min  
Lab File: BF135801.D  
Acq: 17 Oct 2023 04:00

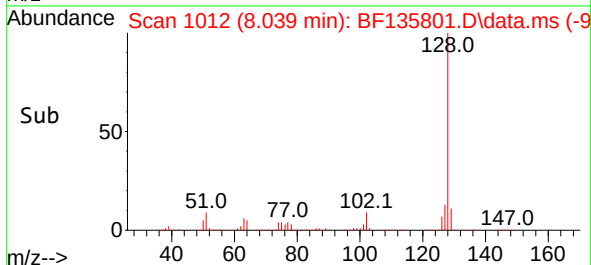
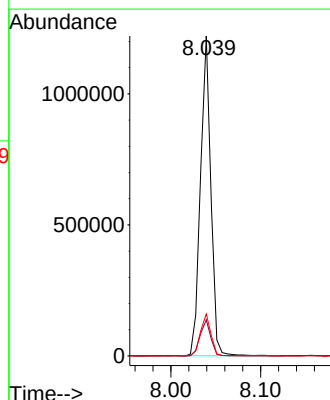
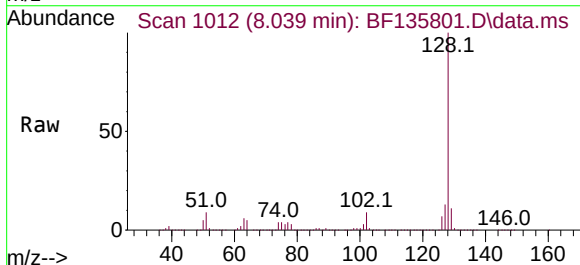
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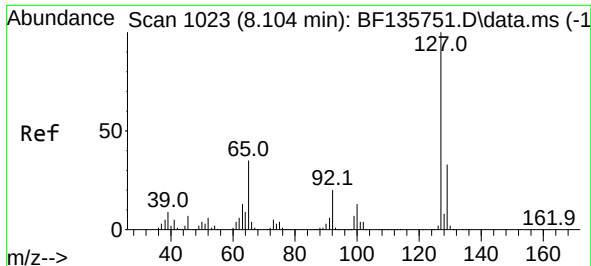
Tgt Ion: 82 Resp: 87362  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.5 8.3#  
138 0.0 13.9 20.9#



#31  
Naphthalene  
Concen: 57.015 ng  
RT: 8.039 min Scan# 1012  
Delta R.T. -0.006 min  
Lab File: BF135801.D  
Acq: 17 Oct 2023 04:00

Tgt Ion:128 Resp: 980012  
Ion Ratio Lower Upper  
128 100  
129 11.3 8.7 13.1  
127 13.2 10.2 15.4

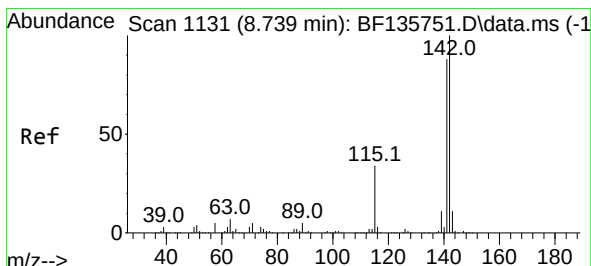
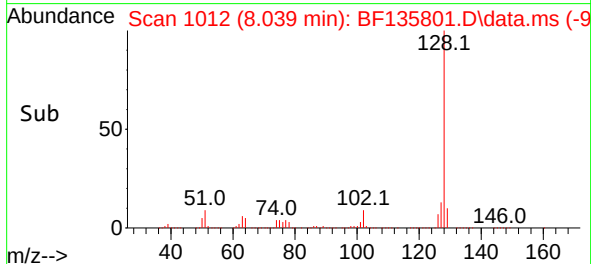
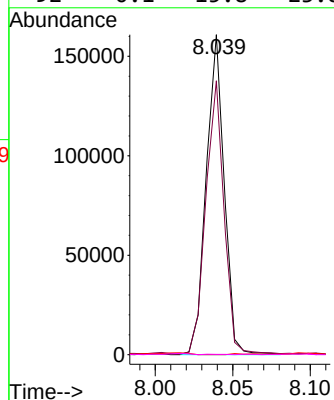
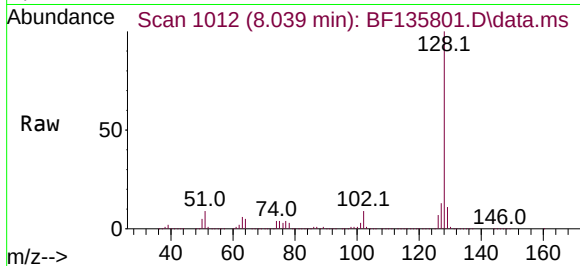




#33  
4-Chloroaniline  
Concen: 17.342 ng  
RT: 8.039 min Scan# 110  
Delta R.T. -0.065 min  
Lab File: BF135801.D  
Acq: 17 Oct 2023 04:00

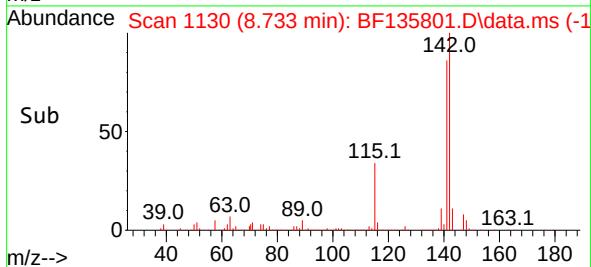
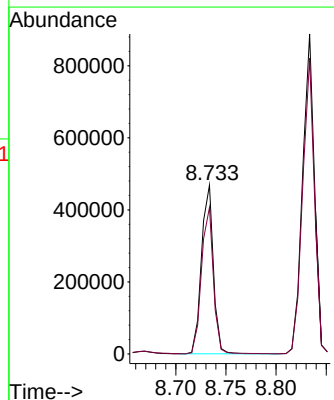
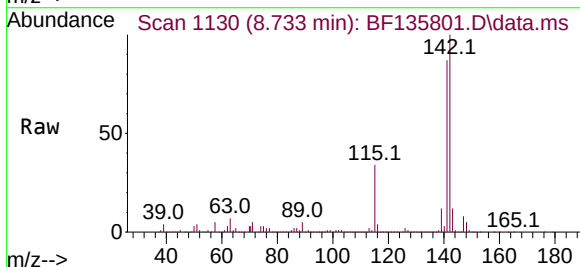
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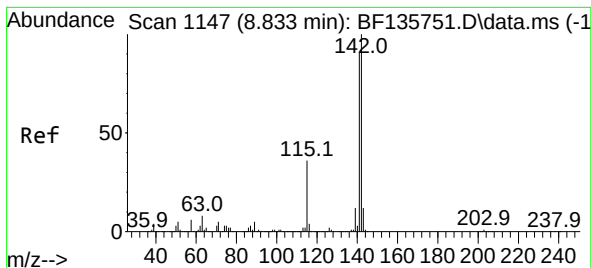
Tgt Ion:127 Resp: 130213  
Ion Ratio Lower Upper  
127 100  
129 85.6 26.5 39.7#  
65 0.0 27.9 41.9#  
92 0.1 15.8 23.8#



#37  
2-Methylnaphthalene  
Concen: 34.138 ng  
RT: 8.733 min Scan# 1130  
Delta R.T. -0.006 min  
Lab File: BF135801.D  
Acq: 17 Oct 2023 04:00

Tgt Ion:142 Resp: 386607  
Ion Ratio Lower Upper  
142 100  
141 86.7 70.6 105.8





#38

1-Methylnaphthalene

Concen: 70.202 ng

RT: 8.833 min Scan# 1147

Delta R.T. -0.006 min

Lab File: BF135801.D

Acq: 17 Oct 2023 04:00

Instrument :

BNA\_F

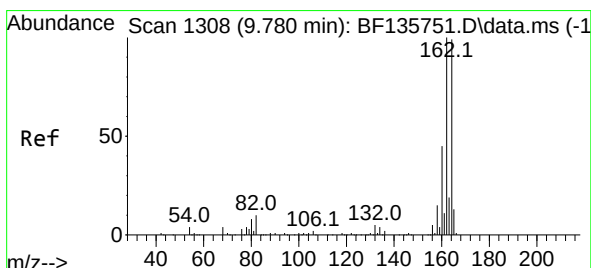
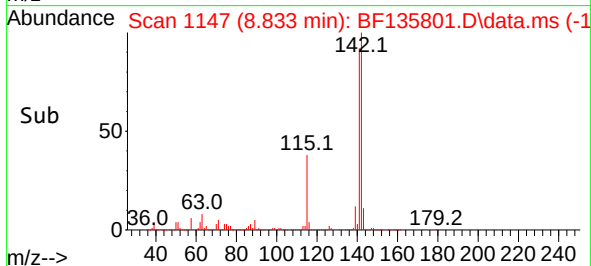
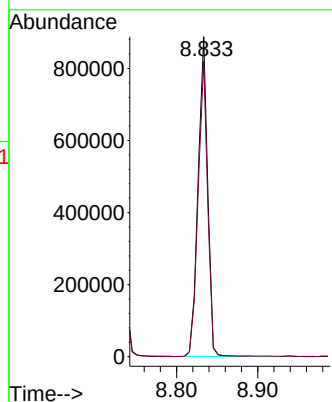
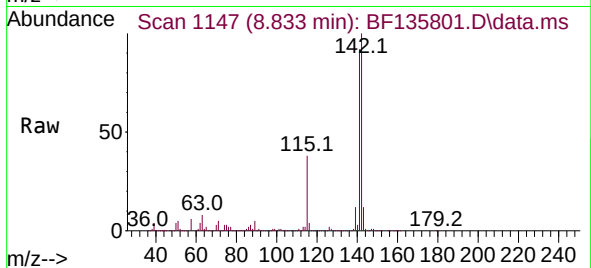
ClientSampleId :

Tgt Ion:142 Resp: 733275

Ion Ratio Lower Upper

142 100

141 92.3 72.7 109.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.775 min Scan# 1307

Delta R.T. -0.012 min

Lab File: BF135801.D

Acq: 17 Oct 2023 04:00

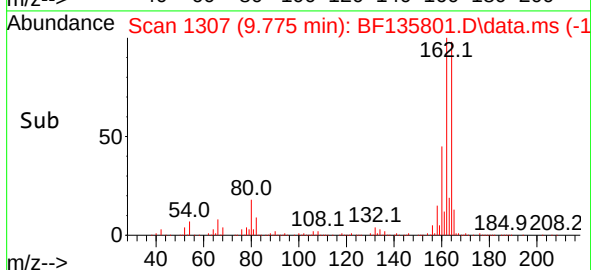
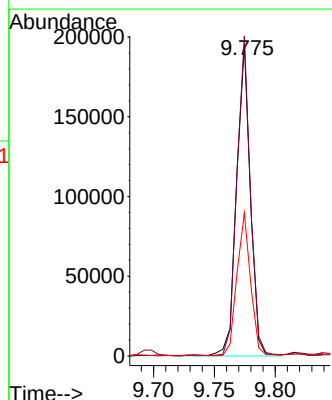
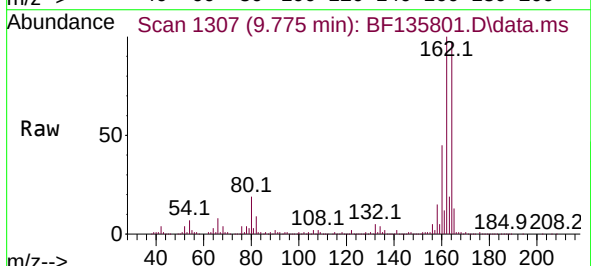
Tgt Ion:164 Resp: 153068

Ion Ratio Lower Upper

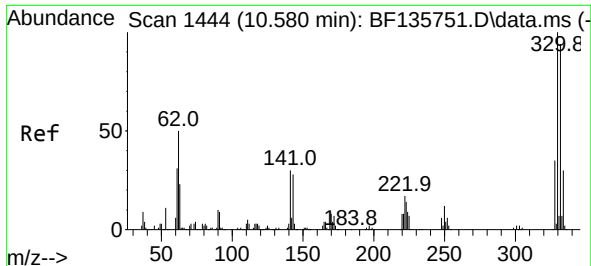
164 100

162 102.7 80.8 121.2

160 45.9 36.6 54.8







#42

2,4,6-Tribromophenol

Concen: 16.519 ng

RT: 10.575 min Scan# 1444

Delta R.T. -0.012 min

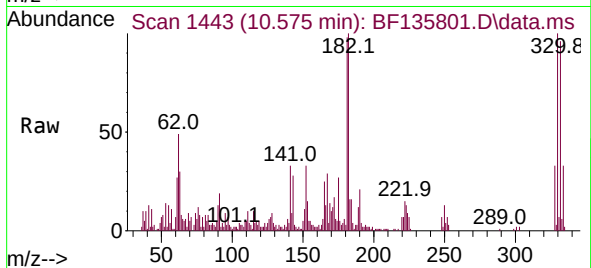
Lab File: BF135801.D

Acq: 17 Oct 2023 04:00

Instrument :

BNA\_F

ClientSampleId :



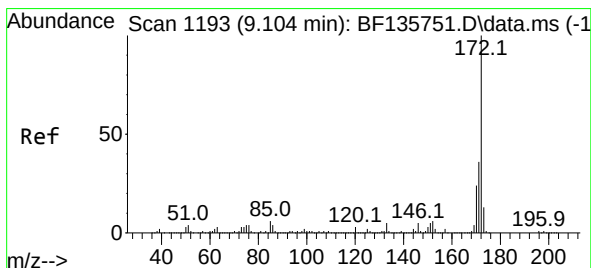
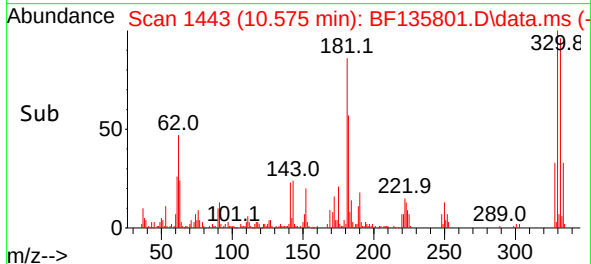
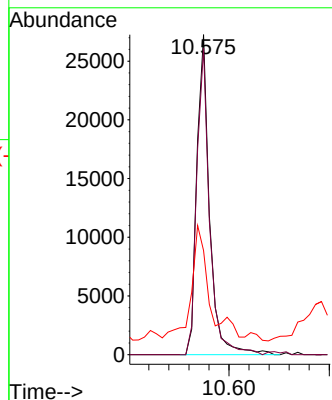
Tgt Ion:330 Resp: 24263

Ion Ratio Lower Upper

330 100

332 96.1 75.0 112.4

141 46.6 25.8 38.6#



#45

2-Fluorobiphenyl

Concen: 16.734 ng

RT: 9.092 min Scan# 1191

Delta R.T. -0.012 min

Lab File: BF135801.D

Acq: 17 Oct 2023 04:00

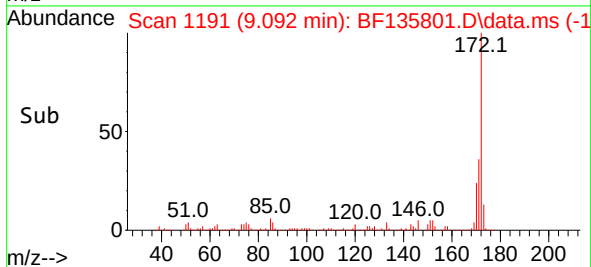
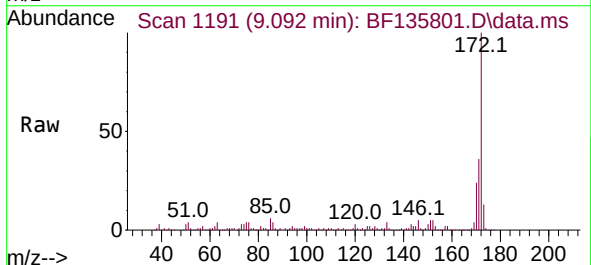
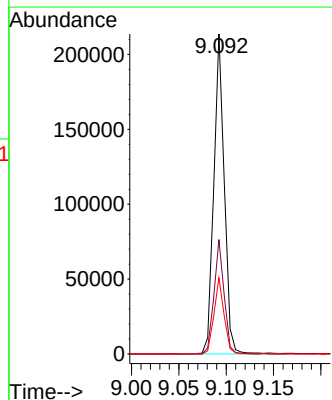
Tgt Ion:172 Resp: 163822

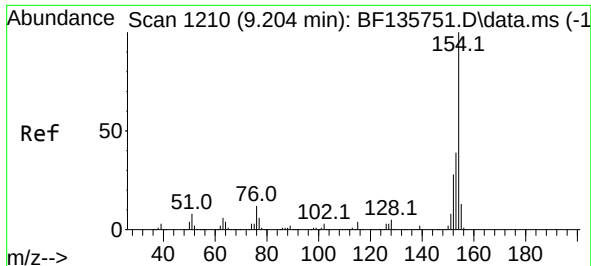
Ion Ratio Lower Upper

172 100

171 35.8 28.4 42.6

170 23.8 18.8 28.2

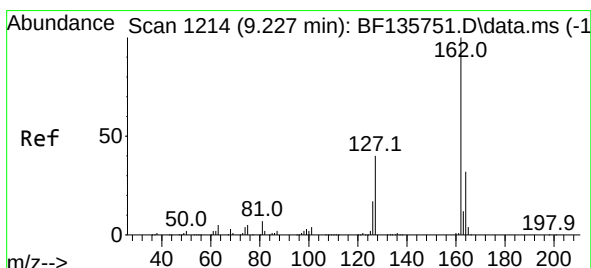
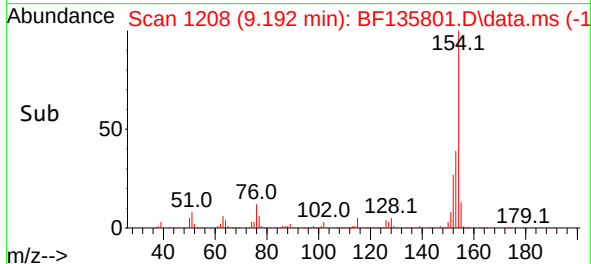
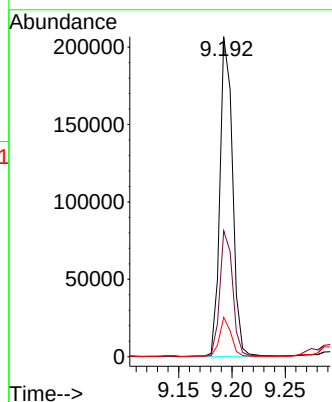
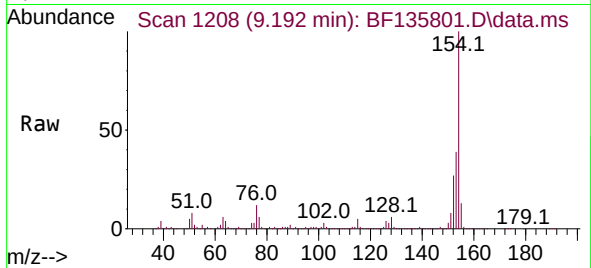




#46  
1,1'-Biphenyl  
Concen: 14.557 ng  
RT: 9.192 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF135801.D  
Acq: 17 Oct 2023 04:00

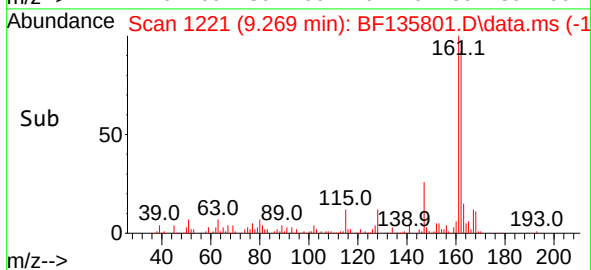
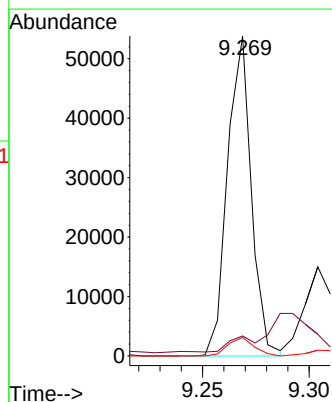
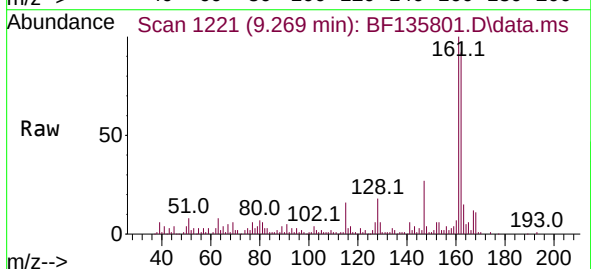
Instrument :  
BNA\_F  
ClientSampleId :

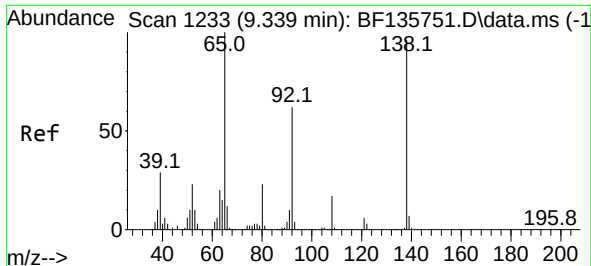
Tgt Ion:154 Resp: 170683  
Ion Ratio Lower Upper  
154 100  
153 39.4 19.4 59.4  
76 12.3 0.0 31.7



#47  
2-Chloronaphthalene  
Concen: 4.957 ng  
RT: 9.269 min Scan# 1221  
Delta R.T. 0.035 min  
Lab File: BF135801.D  
Acq: 17 Oct 2023 04:00

Tgt Ion:162 Resp: 41891  
Ion Ratio Lower Upper  
162 100  
127 6.2 34.7 52.1#  
164 5.8 25.6 38.4#

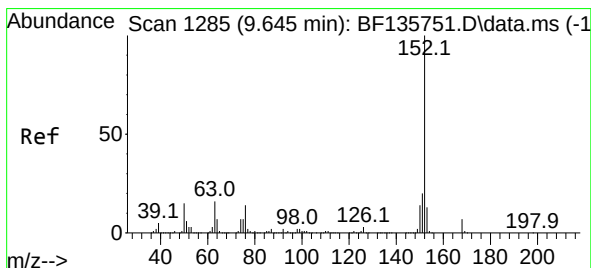
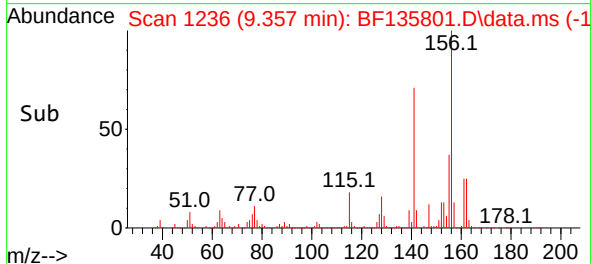
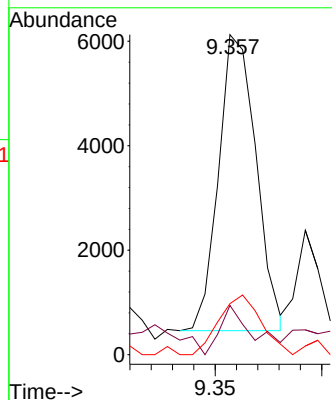
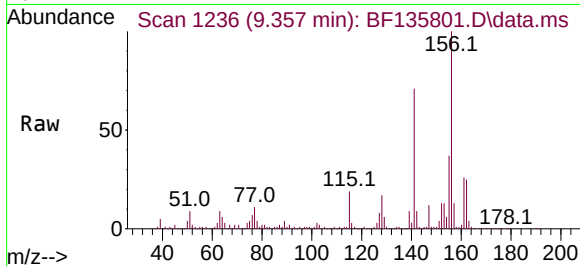




#48  
2-Nitroaniline  
Concen: 2.079 ng  
RT: 9.357 min Scan# 11  
Delta R.T. 0.018 min  
Lab File: BF135801.D  
Acq: 17 Oct 2023 04:00

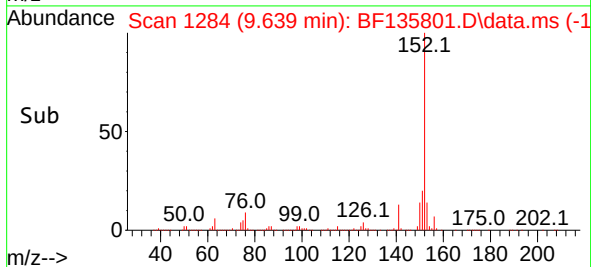
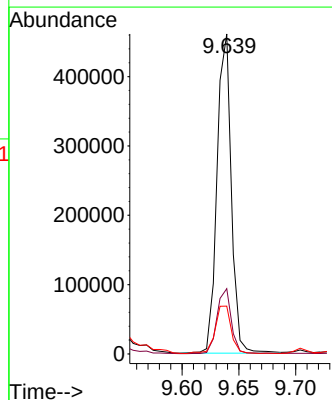
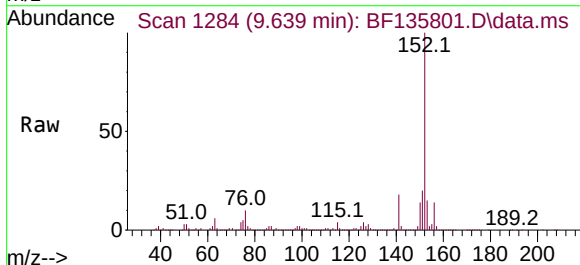
Instrument :  
BNA\_F  
ClientSampleId :

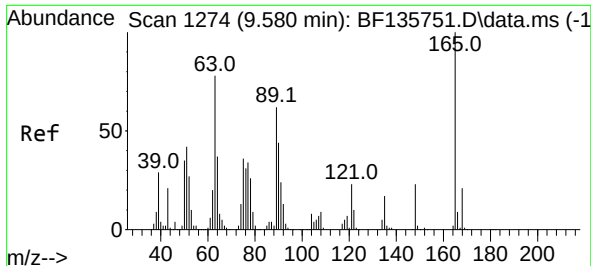
Tgt Ion: 65 Resp: 6935  
Ion Ratio Lower Upper  
65 100  
92 15.4 49.4 74.0#  
138 15.9 76.6 114.8#



#49  
Acenaphthylene  
Concen: 28.792 ng  
RT: 9.639 min Scan# 1284  
Delta R.T. -0.006 min  
Lab File: BF135801.D  
Acq: 17 Oct 2023 04:00

Tgt Ion:152 Resp: 402637  
Ion Ratio Lower Upper  
152 100  
151 20.4 16.2 24.2  
153 15.0 10.2 15.4





#51

2,6-Dinitrotoluene

Concen: 2.035 ng

RT: 9.469 min Scan# 1

Delta R.T. -0.118 min

Lab File: BF135801.D

Acq: 17 Oct 2023 04:00

Instrument :

BNA\_F

ClientSampleId :

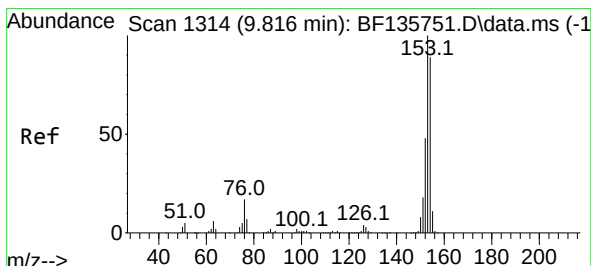
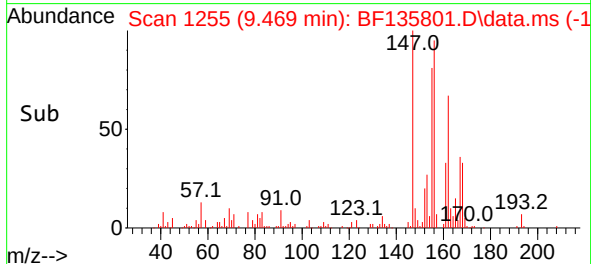
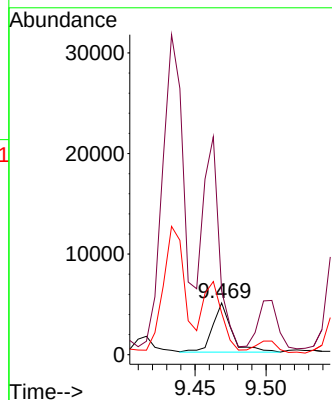
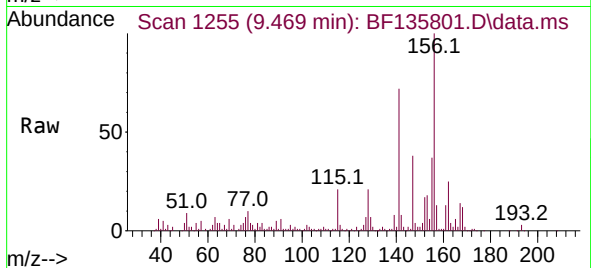
Tgt Ion:165 Resp: 4522

Ion Ratio Lower Upper

165 100

63 123.6 62.2 93.4#

89 80.8 49.6 74.4#



#52

Acenaphthene

Concen: 13.941 ng

RT: 9.804 min Scan# 1312

Delta R.T. -0.012 min

Lab File: BF135801.D

Acq: 17 Oct 2023 04:00

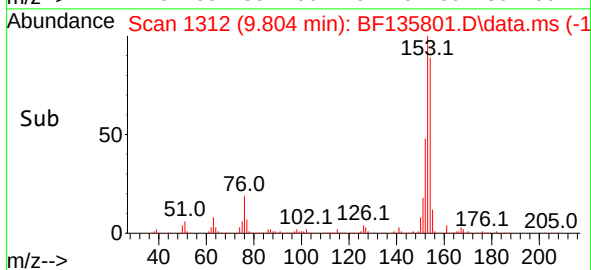
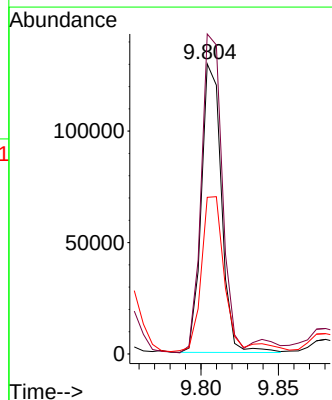
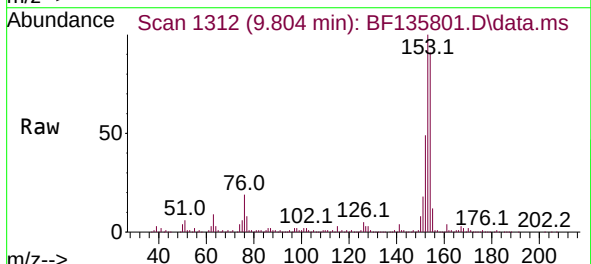
Tgt Ion:154 Resp: 116849

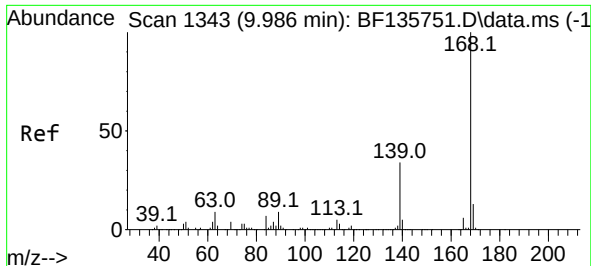
Ion Ratio Lower Upper

154 100

153 110.3 90.1 135.1

152 54.0 43.1 64.7





#55

Dibenzenofuran

Concen: 6.236 ng

RT: 9.980 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF135801.D

Acq: 17 Oct 2023 04:00

Instrument :

BNA\_F

ClientSampleId :

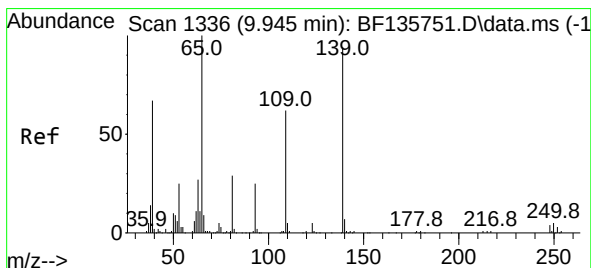
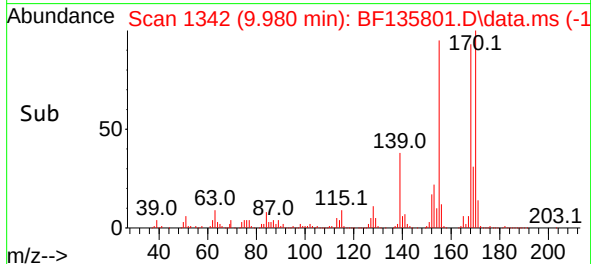
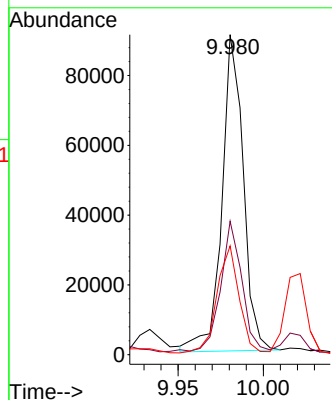
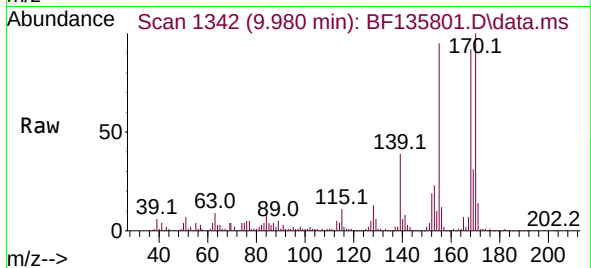
Tgt Ion:168 Resp: 78873

Ion Ratio Lower Upper

168 100

139 41.7 31.0 46.4

169 34.0 10.7 16.1#



#56

4-Nitrophenol

Concen: 6.950 ng

RT: 9.922 min Scan# 1332

Delta R.T. -0.024 min

Lab File: BF135801.D

Acq: 17 Oct 2023 04:00

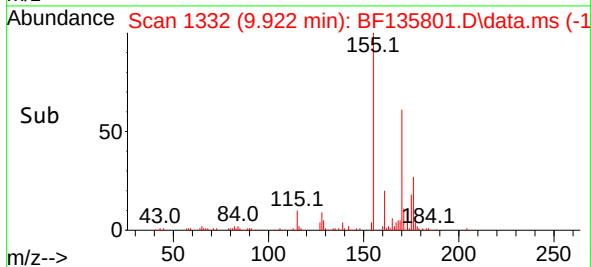
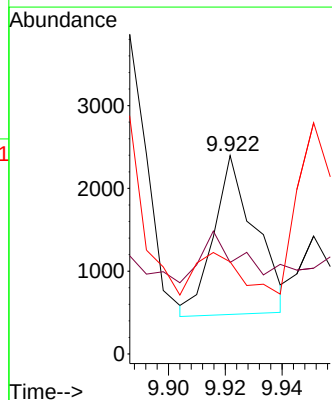
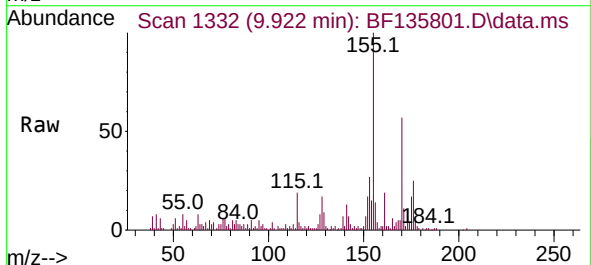
Tgt Ion:139 Resp: 1953

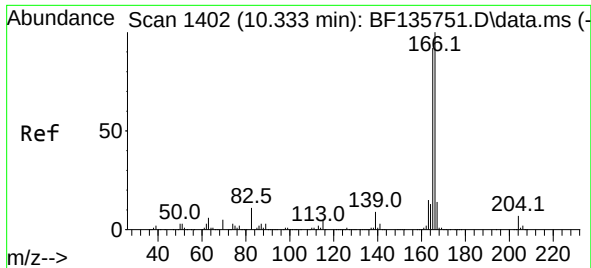
Ion Ratio Lower Upper

139 100

109 46.2 45.6 85.6

65 46.5 87.5 127.5#

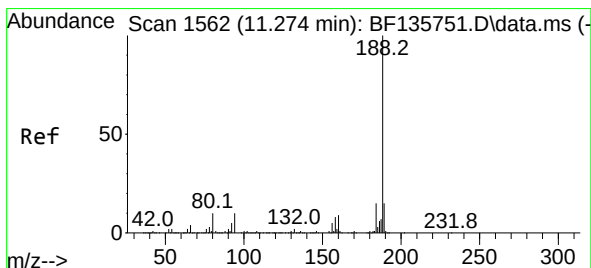
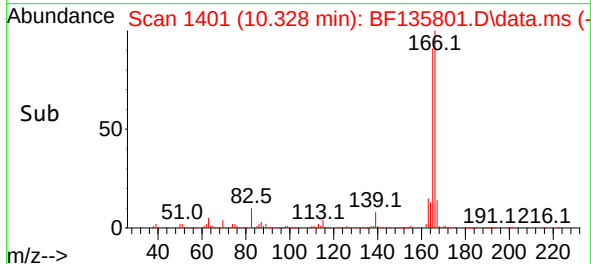
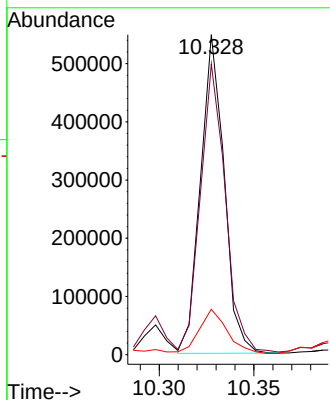
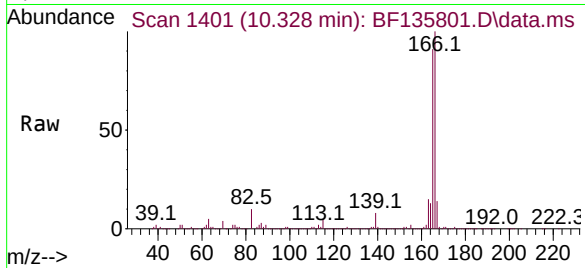




#58  
Fluorene  
Concen: 47.927 ng  
RT: 10.328 min Scan# 1402  
Delta R.T. -0.012 min  
Lab File: BF135801.D  
Acq: 17 Oct 2023 04:00

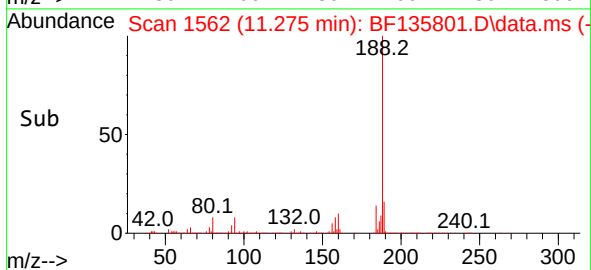
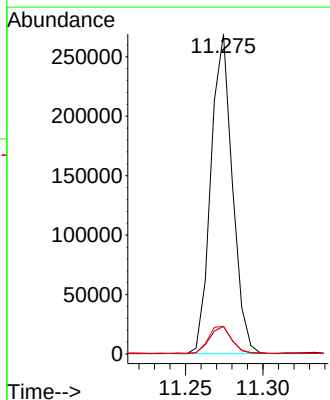
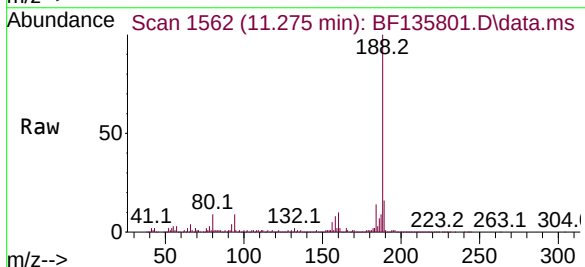
Instrument :  
BNA\_F  
ClientSampleId :

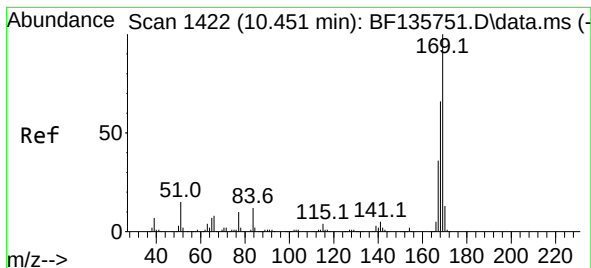
Tgt Ion:166 Resp: 474535  
Ion Ratio Lower Upper  
166 100  
165 90.9 73.4 110.0  
167 14.2 11.0 16.6



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.275 min Scan# 1562  
Delta R.T. -0.006 min  
Lab File: BF135801.D  
Acq: 17 Oct 2023 04:00

Tgt Ion:188 Resp: 259410  
Ion Ratio Lower Upper  
188 100  
94 8.6 8.0 12.0  
80 8.7 8.3 12.5

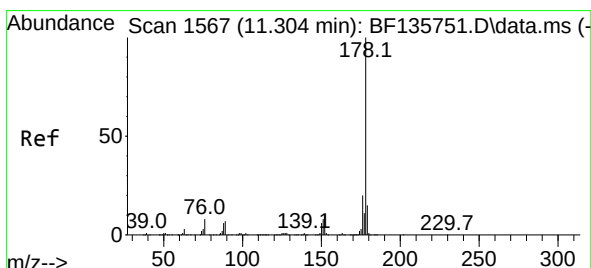
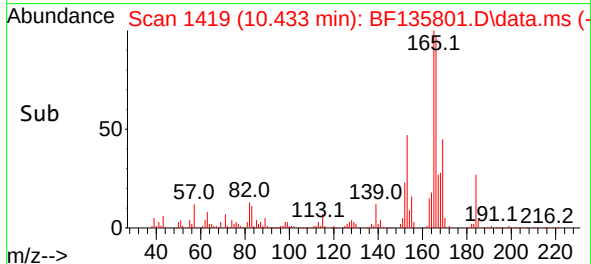
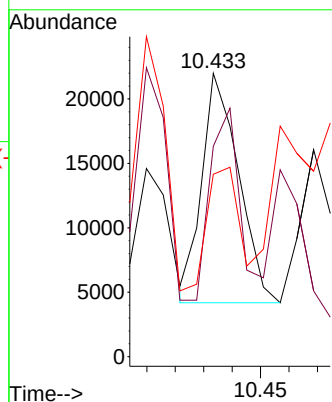
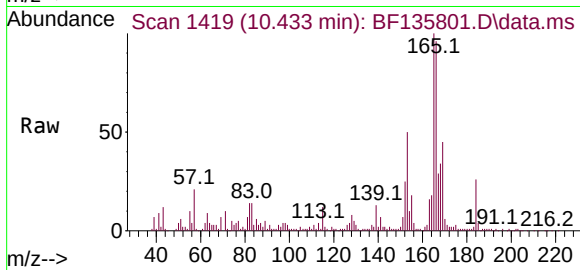




#66  
n-Nitrosodiphenylamine  
Concen: 2.021 ng  
RT: 10.433 min Scan# 1422  
Delta R.T. -0.018 min  
Lab File: BF135801.D  
Acq: 17 Oct 2023 04:00

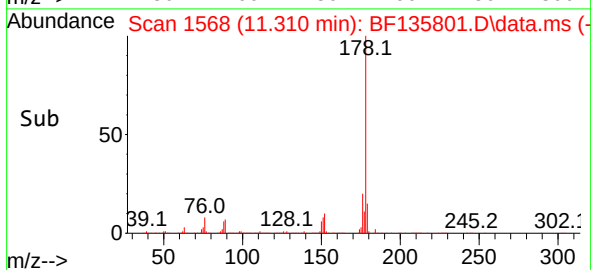
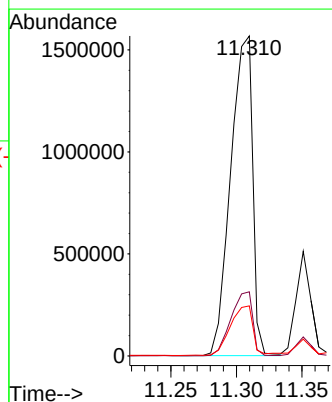
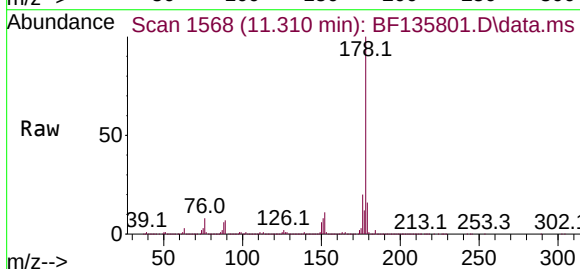
Instrument :  
BNA\_F  
ClientSampleId :

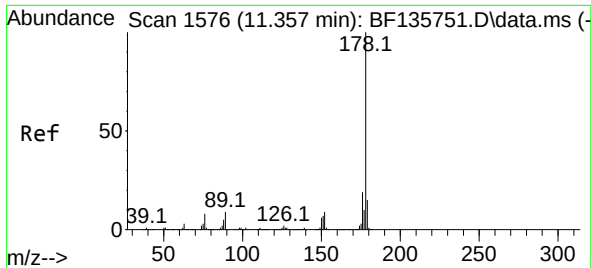
Tgt Ion:169 Resp: 15981  
Ion Ratio Lower Upper  
169 100  
168 74.2 53.4 80.2  
167 64.4 29.2 43.8#



#71  
Phenanthrene  
Concen: 146.994 ng  
RT: 11.310 min Scan# 1568  
Delta R.T. 0.006 min  
Lab File: BF135801.D  
Acq: 17 Oct 2023 04:00

Tgt Ion:178 Resp: 1826685  
Ion Ratio Lower Upper  
178 100  
176 20.0 16.0 24.0  
179 15.6 12.2 18.4

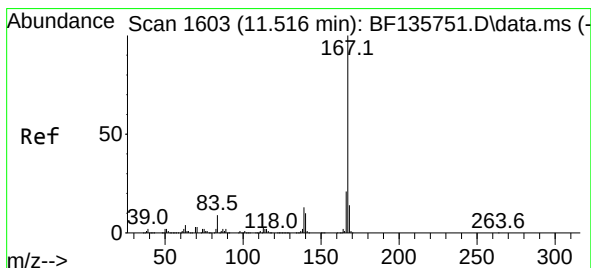
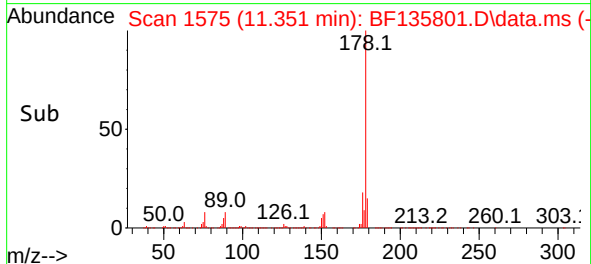
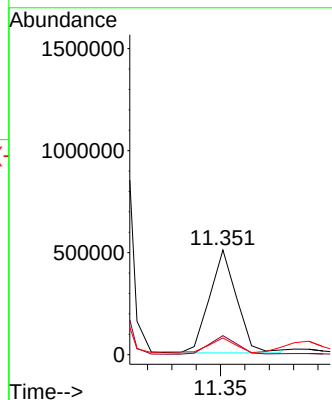
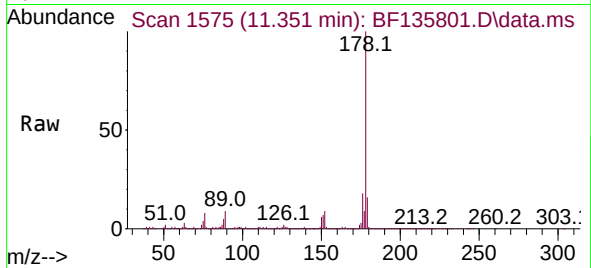




#72  
 Anthracene  
 Concen: 30.509 ng  
 RT: 11.351 min Scan# 11  
 Delta R.T. -0.006 min  
 Lab File: BF135801.D  
 Acq: 17 Oct 2023 04:00

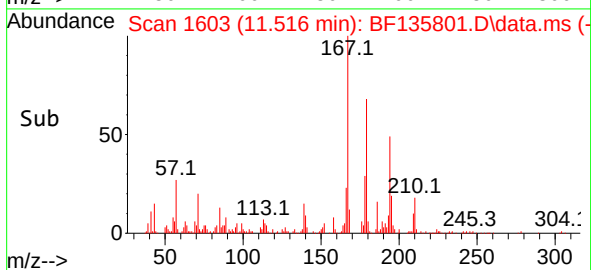
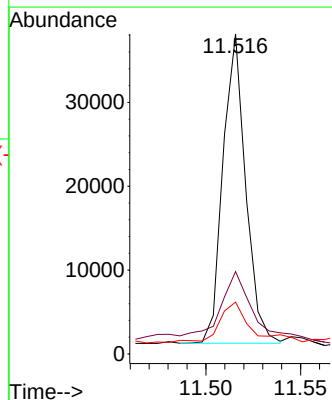
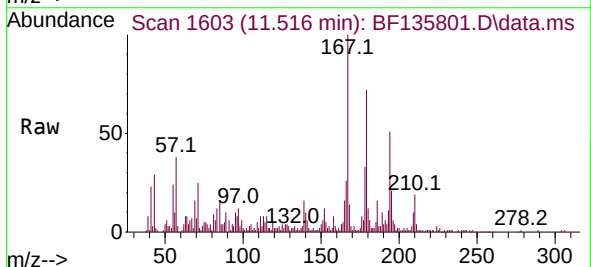
Instrument :  
 BNA\_F  
 ClientSampleId :

Tgt Ion:178 Resp: 392873  
 Ion Ratio Lower Upper  
 178 100  
 176 18.2 15.1 22.7  
 179 16.0 12.3 18.5

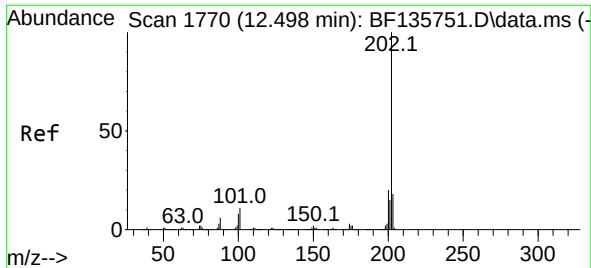


#73  
 Carbazole  
 Concen: 2.557 ng  
 RT: 11.516 min Scan# 1603  
 Delta R.T. -0.006 min  
 Lab File: BF135801.D  
 Acq: 17 Oct 2023 04:00

Tgt Ion:167 Resp: 30710  
 Ion Ratio Lower Upper  
 167 100  
 166 25.8 17.1 25.7#  
 139 16.2 10.2 15.4#



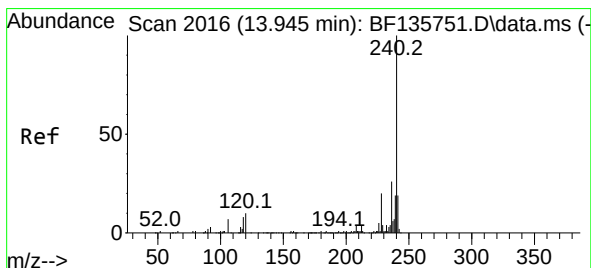
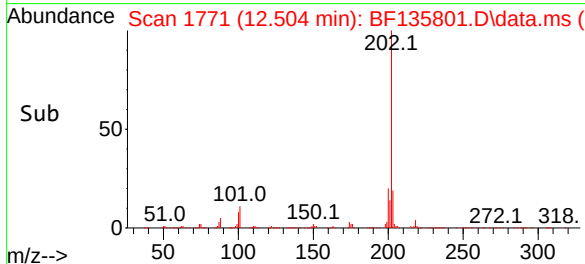
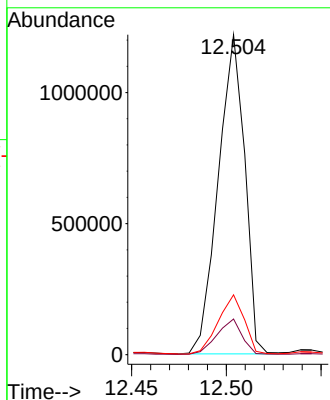
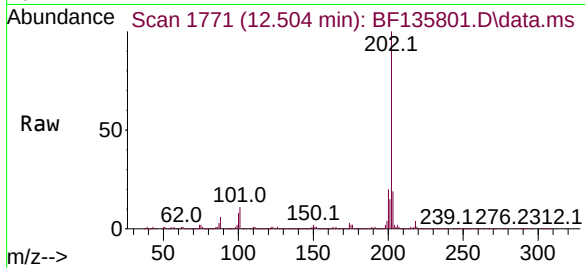




#75  
Fluoranthene  
Concen: 85.697 ng  
RT: 12.504 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF135801.D  
Acq: 17 Oct 2023 04:00

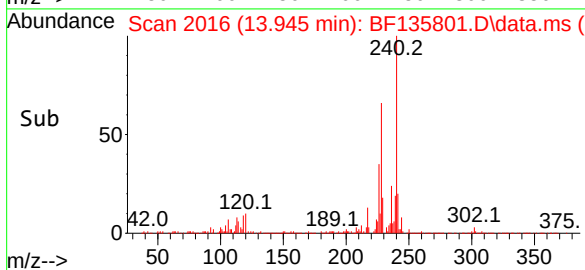
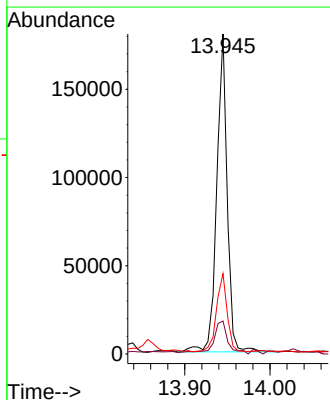
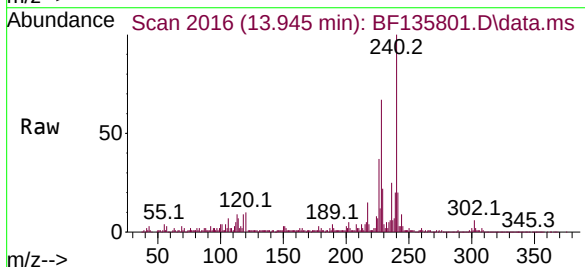
Instrument :  
BNA\_F  
ClientSampleId :

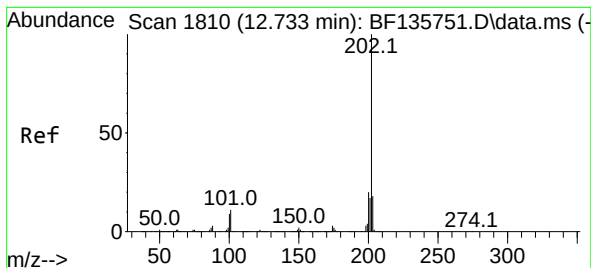
Tgt Ion:202 Resp: 1181966  
Ion Ratio Lower Upper  
202 100  
101 11.2 0.0 31.5  
203 18.7 0.0 38.3



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.945 min Scan# 2016  
Delta R.T. -0.006 min  
Lab File: BF135801.D  
Acq: 17 Oct 2023 04:00

Tgt Ion:240 Resp: 153394  
Ion Ratio Lower Upper  
240 100  
120 10.3 8.2 12.2  
236 25.1 21.2 31.8





#78

Pyrene

Concen: 138.825 ng

RT: 12.739 min Scan# 1810

Delta R.T. 0.006 min

Lab File: BF135801.D

Acq: 17 Oct 2023 04:00

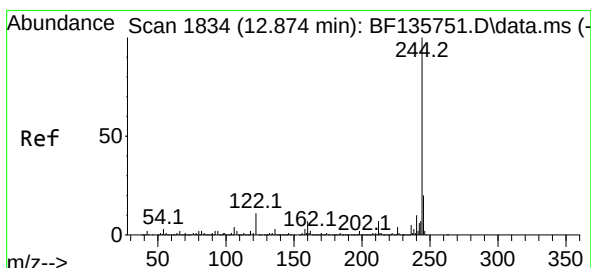
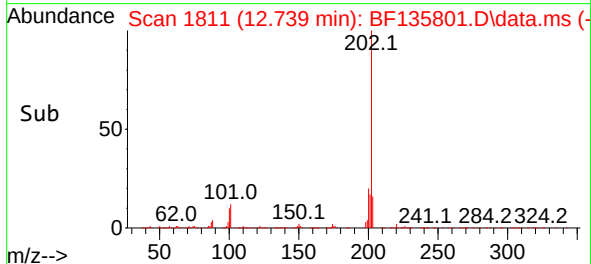
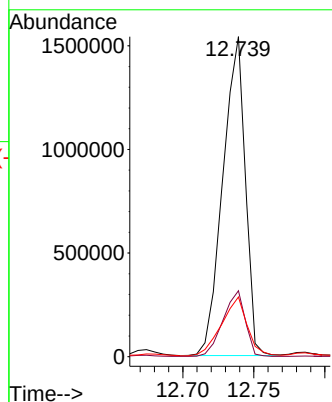
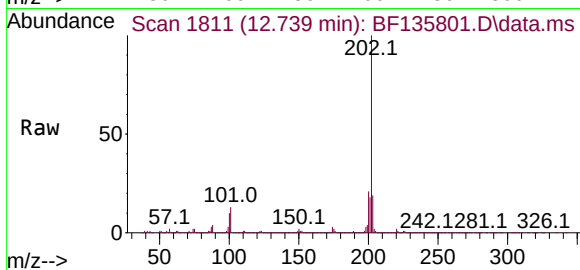
Instrument :

BNA\_F

ClientSampleId :

Tgt Ion:202 Resp: 1692212

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 200 | 20.6  | 16.1  | 24.1  |
| 203 | 18.7  | 14.2  | 21.2  |



#79

Terphenyl-d14

Concen: 16.900 ng

RT: 12.869 min Scan# 1833

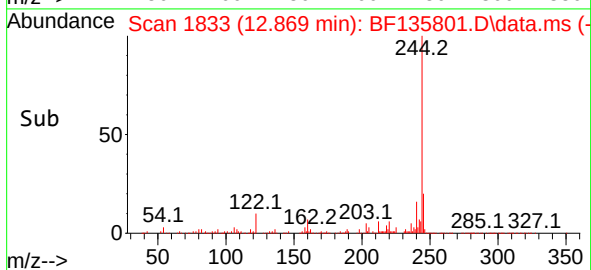
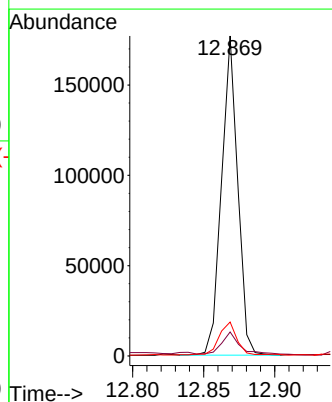
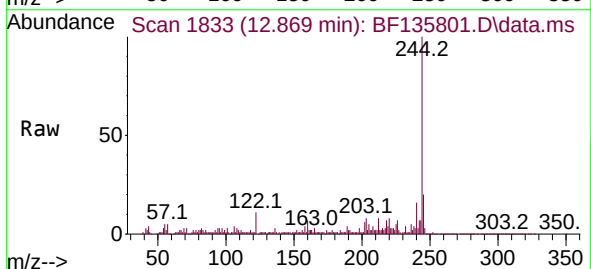
Delta R.T. -0.012 min

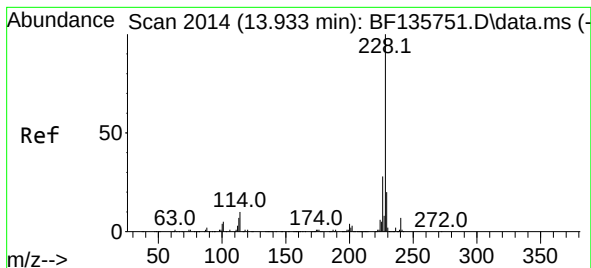
Lab File: BF135801.D

Acq: 17 Oct 2023 04:00

Tgt Ion:244 Resp: 139982

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 7.5   | 5.6   | 8.4   |
| 122 | 10.6  | 9.0   | 13.6  |





#81

Benzo(a)anthracene

Concen: 61.130 ng

RT: 13.933 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF135801.D

Acq: 17 Oct 2023 04:00

Instrument :

BNA\_F

ClientSampleId :

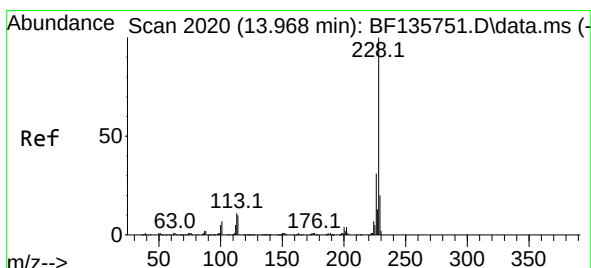
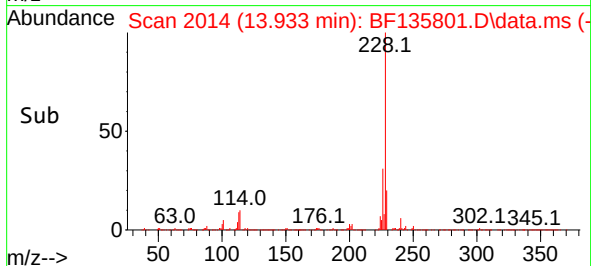
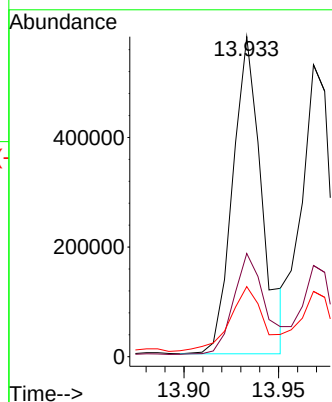
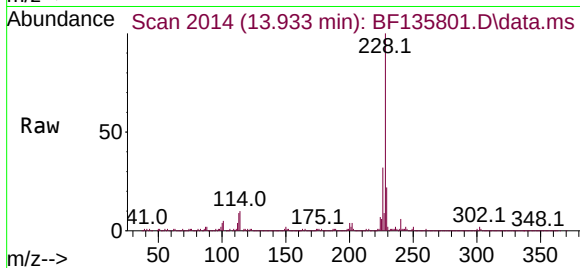
Tgt Ion:228 Resp: 615916

Ion Ratio Lower Upper

228 100

226 32.3 22.2 33.2

229 21.9 16.1 24.1



#83

Chrysene

Concen: 55.967 ng

RT: 13.968 min Scan# 2020

Delta R.T. -0.006 min

Lab File: BF135801.D

Acq: 17 Oct 2023 04:00

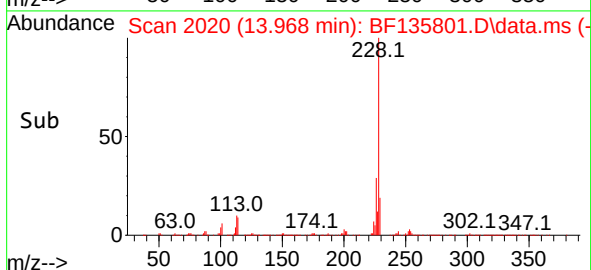
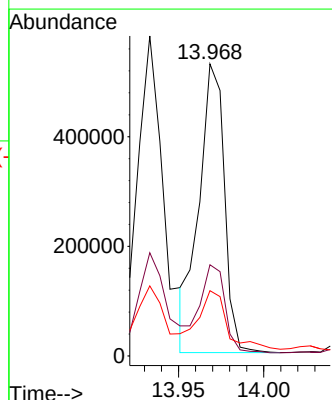
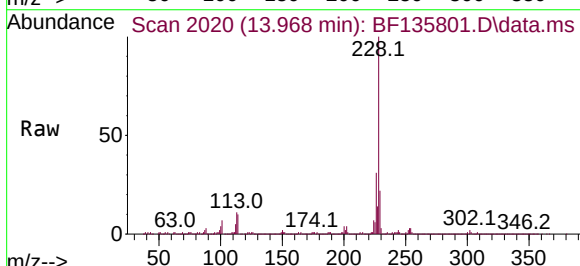
Tgt Ion:228 Resp: 546175

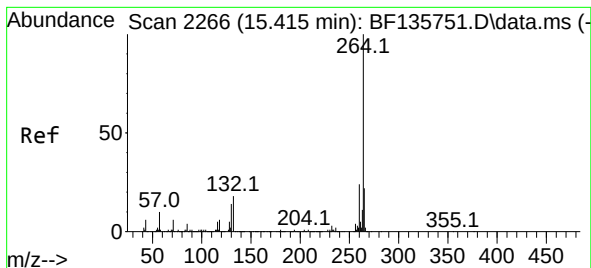
Ion Ratio Lower Upper

228 100

226 31.2 24.4 36.6

229 22.3 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF135801.D

Acq: 17 Oct 2023 04:00

Instrument :

BNA\_F

ClientSampleId :

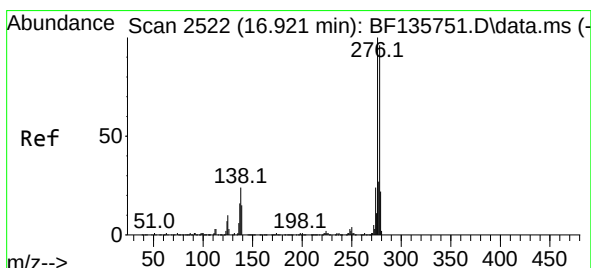
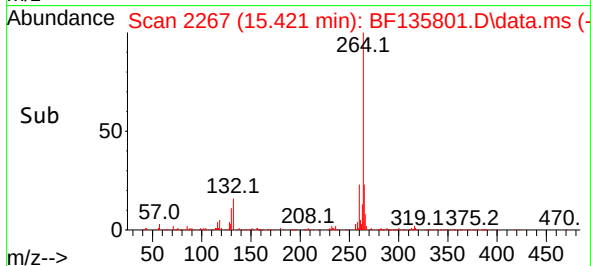
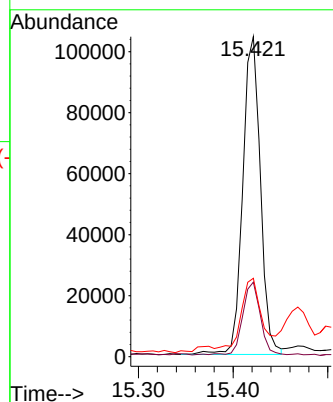
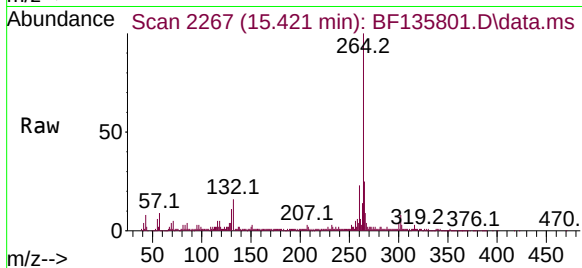
Tgt Ion:264 Resp: 134755

Ion Ratio Lower Upper

264 100

260 23.3 19.2 28.8

265 24.5 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 21.778 ng

RT: 16.927 min Scan# 2523

Delta R.T. -0.006 min

Lab File: BF135801.D

Acq: 17 Oct 2023 04:00

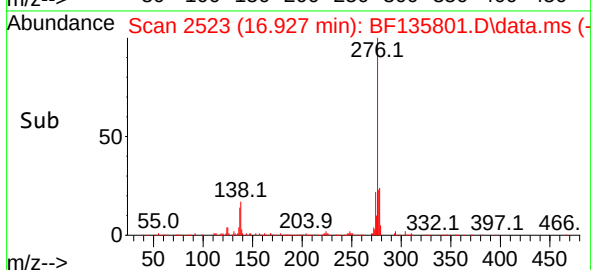
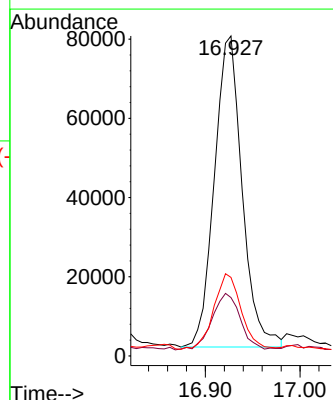
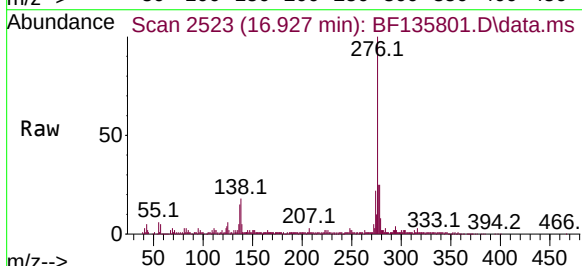
Tgt Ion:276 Resp: 159904

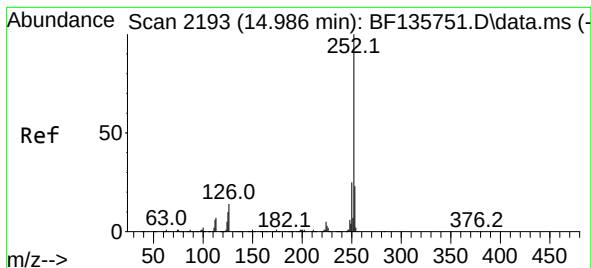
Ion Ratio Lower Upper

276 100

138 17.9 19.8 29.6#

277 24.5 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 66.929 ng

RT: 14.992 min Scan# 2194

Delta R.T. -0.000 min

Lab File: BF135801.D

Acq: 17 Oct 2023 04:00

Instrument :

BNF

ClientSampleId :

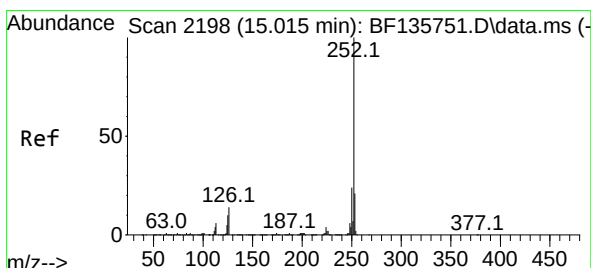
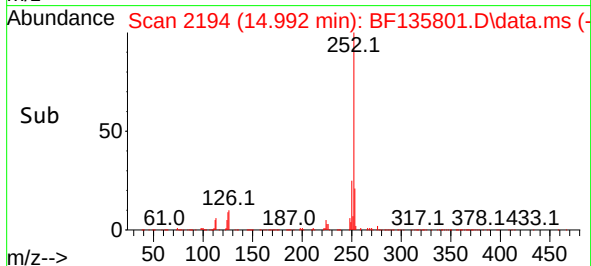
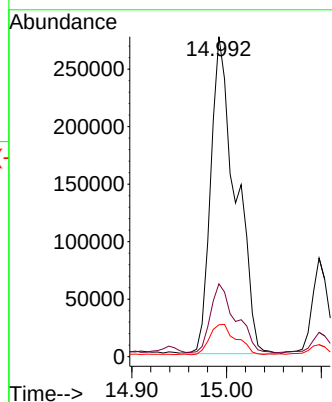
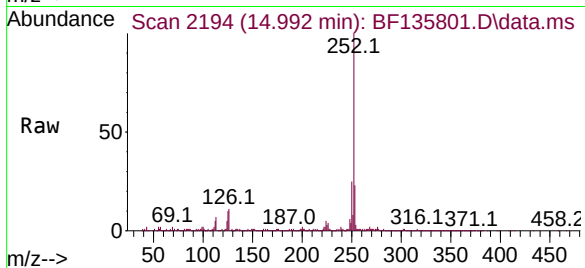
Tgt Ion:252 Resp: 504766

Ion Ratio Lower Upper

252 100

253 22.7 18.2 27.2

125 10.0 8.2 12.2



#89

Benzo(k)fluoranthene

Concen: 68.939 ng

RT: 14.992 min Scan# 2194

Delta R.T. -0.030 min

Lab File: BF135801.D

Acq: 17 Oct 2023 04:00

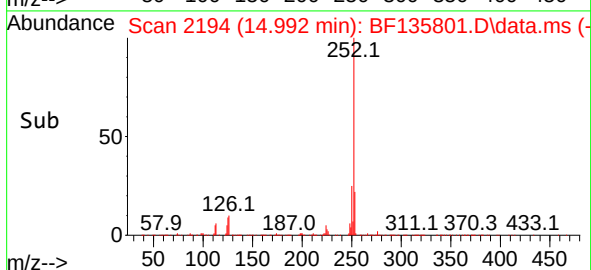
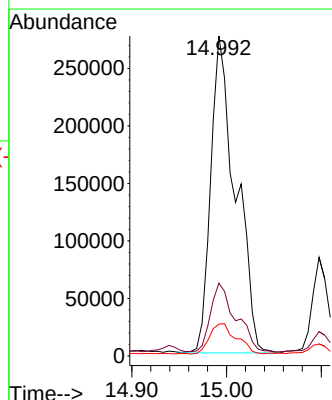
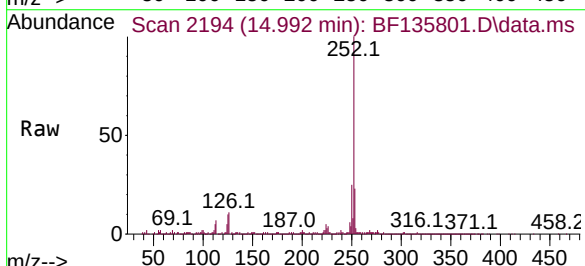
Tgt Ion:252 Resp: 504766

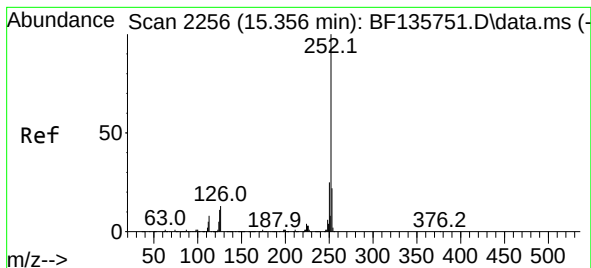
Ion Ratio Lower Upper

252 100

253 22.7 17.4 26.0

125 10.0 8.3 12.5





#90

Benzo(a)pyrene

Concen: 55.539 ng

RT: 15.362 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF135801.D

Acq: 17 Oct 2023 04:00

Instrument :

BNF\_F

ClientSampleId :

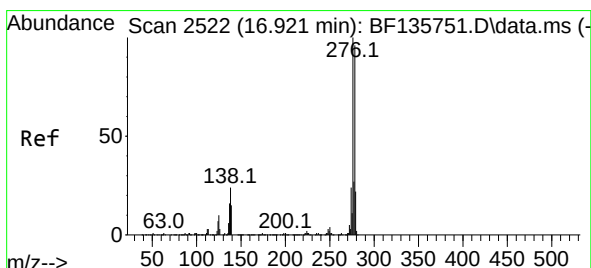
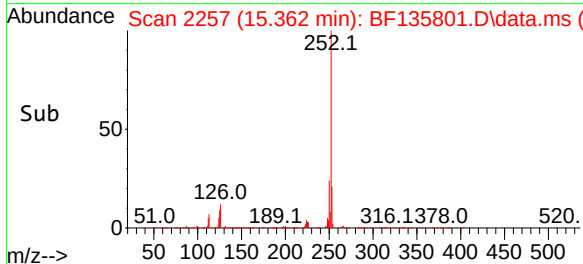
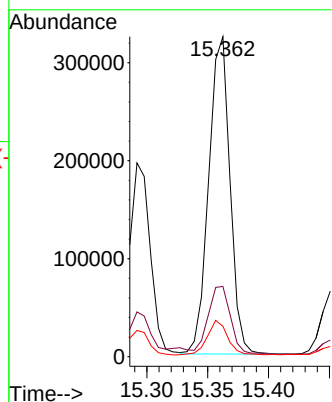
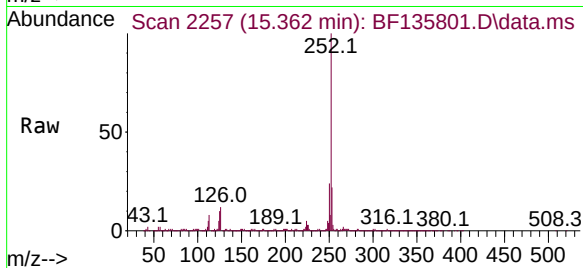
Tgt Ion:252 Resp: 393874

Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.2

125 9.5 8.8 13.2



#91

Dibenzo(a,h)anthracene

Concen: 7.932 ng

RT: 16.921 min Scan# 2522

Delta R.T. -0.018 min

Lab File: BF135801.D

Acq: 17 Oct 2023 04:00

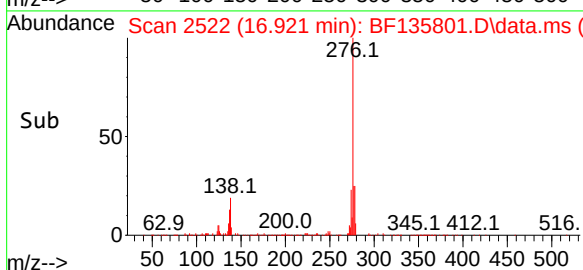
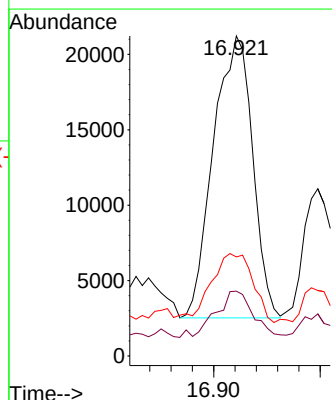
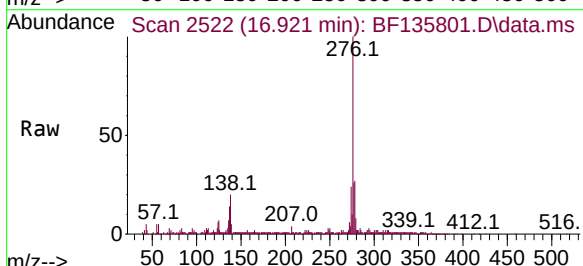
Tgt Ion:278 Resp: 47745

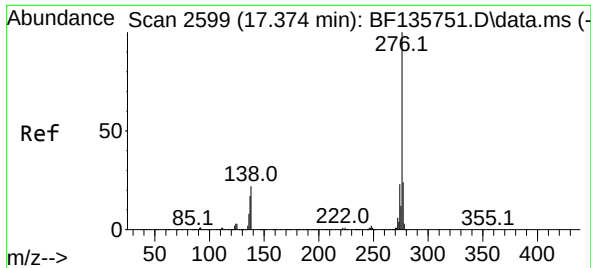
Ion Ratio Lower Upper

278 100

139 20.3 12.5 18.7#

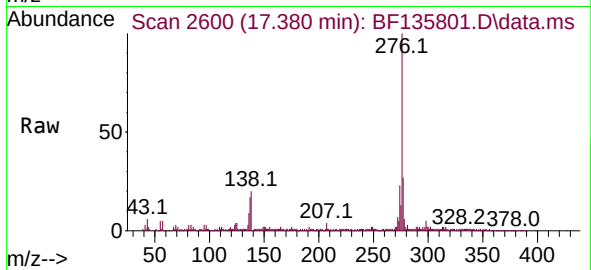
279 30.9 18.6 27.8#





#92  
 Benzo(g,h,i)perylene  
 Concen: 27.643 ng  
 RT: 17.380 min Scan# 20  
 Delta R.T. -0.006 min  
 Lab File: BF135801.D  
 Acq: 17 Oct 2023 04:00

Instrument :  
 BNA\_F  
 ClientSampleId :



|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 276   | Resp: | 170915 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 277       | 26.9  | 19.4  | 29.2   |
| 138       | 19.6  | 17.3  | 25.9   |

