

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF110623\  
 Data File : BF136159.D  
 Acq On : 06 Nov 2023 17:28  
 Operator : CG\JU  
 Sample : 05253-02  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 L-6(0-5)

Quant Time: Nov 06 23:29:25 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF103023.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Nov 06 00:53:35 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.816  | 152  | 90367    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.104  | 136  | 340660   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.857  | 164  | 173771   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.357 | 188  | 239969   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.015 | 240  | 165100   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.509 | 264  | 168114   | 20.000  | ng    | # 0.02   |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.451  | 112  | 356230   | 61.946  | ng    | 0.00     |
| 7) Phenol-d6                  | 6.445  | 99   | 438926   | 61.259  | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.381  | 82   | 277151   | 49.044  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.651 | 330  | 100858   | 54.377  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.180  | 172  | 544473   | 49.948  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.951 | 244  | 429895   | 40.465  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.375  | 70   | 37713    | 9.212   | ng    | # 77     |
| 25) Isophorone                | 7.381  | 82   | 277146   | 25.978  | ng    | # 64     |
| 31) Naphthalene               | 8.139  | 128  | 4323520  | 263.191 | ng    | 97       |
| 32) Benzoic acid              | 8.139  | 122  | 11773    | 7.779   | ng    | # 1      |
| 33) 4-Chloroaniline           | 8.139  | 127  | 607281   | 84.414  | ng    | # 34     |
| 37) 2-Methylnaphthalene       | 8.833  | 142  | 2470590  | 224.297 | ng    | 98       |
| 38) 1-Methylnaphthalene       | 8.933  | 142  | 2343932  | 228.665 | ng    | 99       |
| 46) 1,1'-Biphenyl             | 9.286  | 154  | 1115384  | 84.200  | ng    | 98       |
| 47) 2-Chloronaphthalene       | 9.351  | 162  | 121764   | 12.469  | ng    | # 46     |
| 49) Acenaphthylene            | 9.722  | 152  | 695481   | 45.652  | ng    | # 95     |
| 51) 2,6-Dinitrotoluene        | 9.557  | 165  | 21580    | 8.803   | ng    | # 78     |
| 52) Acenaphthene              | 9.892  | 154  | 144810   | 14.952  | ng    | 91       |
| 54) 2,4-Dinitrophenol         | 9.898  | 184  | 60       | 8.018   | ng    | # 1      |
| 55) Dibenzofuran              | 10.063 | 168  | 156205   | 11.061  | ng    | # 71     |
| 56) 4-Nitrophenol             | 9.963  | 139  | 7325     | 3.423   | ng    | # 54     |
| 57) 2,4-Dinitrotoluene        | 10.039 | 165  | 20873    | 6.729   | ng    | # 54     |
| 58) Fluorene                  | 10.410 | 166  | 577752   | 54.643  | ng    | 99       |
| 62) 4-Nitroaniline            | 10.410 | 138  | 7341     | 2.665   | ng    | # 27     |
| 65) 4,6-Dinitro-2-methylph... | 10.469 | 198  | 327      | 6.009   | ng    | # 1      |
| 66) n-Nitrosodiphenylamine    | 10.522 | 169  | 17895    | 2.472   | ng    | # 18     |
| 67) 4-Bromophenyl-phenylether | 10.651 | 248  | 6601     | 2.624   | ng    | # 1      |
| 71) Phenanthrene              | 11.398 | 178  | 4216424  | 348.969 | ng    | 99       |
| 72) Anthracene                | 11.439 | 178  | 1152943  | 93.123  | ng    | 100      |
| 73) Carbazole                 | 11.586 | 167  | 48514    | 4.509   | ng    | # 91     |
| 75) Fluoranthene              | 12.586 | 202  | 1448268  | 116.679 | ng    | 96       |
| 78) Pyrene                    | 12.821 | 202  | 2475112  | 170.040 | ng    | 99       |
| 81) Benzo(a)anthracene        | 14.045 | 228  | 1008408  | 92.260  | ng    | 94       |
| 83) Chrysene                  | 14.045 | 228  | 1008408  | 93.682  | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.015 | 276  | 223904   | 20.379  | ng    | # 93     |
| 88) Benzo(b)fluoranthene      | 15.074 | 252  | 921822   | 92.668  | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 15.074 | 252  | 921822   | 93.656  | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.451 | 252  | 819169   | 88.627  | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 17.033 | 278  | 76466    | 8.496   | ng    | 96       |
| 92) Benzo(g,h,i)perylene      | 17.480 | 276  | 245467   | 25.406  | ng    | 95       |
| -----                         |        |      |          |         |       |          |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF110623\  
Data File : BF136159.D  
Acq On : 06 Nov 2023 17:28  
Operator : CG\JU  
Sample : 05253-02  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
L-6(0-5)

Quant Time: Nov 06 23:29:25 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF103023.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Nov 06 00:53:35 2023  
Response via : Initial Calibration

| Compound                                                             | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                                                |      |      |          |      |       |          |
| (#)=qualifier out of range (m)=manual integration (+)=signals summed |      |      |          |      |       |          |

BNA F

**ClientSampleId :**

L-6(0-5)

Abundance

TIC: BF136159.D\data.ms

Time-->

2-Fluorophenol, S

Phenol-d6, S

1,4-Dichlorobenzene-d4, I

Naphthalene-d8, I

Naphthalene-d8, P

1-Methylnaphthalene

2-Methylnaphthalene

1,1'-Biphenyl

Acenaphthylene

2-Fluorobiphenyl, S

2-Chloronaphthalene

2,6-Dinitrochlorobenzene-d4, P

2,4-Dinitrochlorobenzene

Dibenzofuran

4-Nitrophenol

4-Nitrophenyl ether

Phenanthrene-d10, I

Carbazole

Phenanthrene

Anthracene

Fluoranthene, C

Pyrene

Terphenyl-d14, S

Fluoranthene, C

Benzo(a)anthracene

Chrysene-d12, I

Benzo(b)fluoranthene

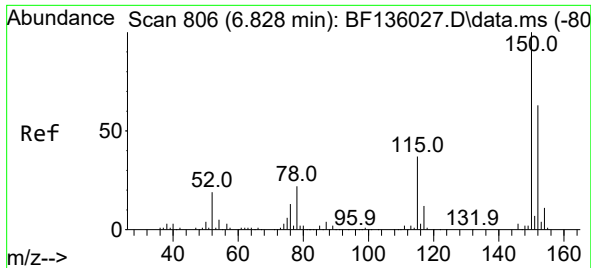
Benzo(a)pyrene, C

Perylene-d12, I

Benzo(a)anthracene

Dibenzo(a,h)anthracene

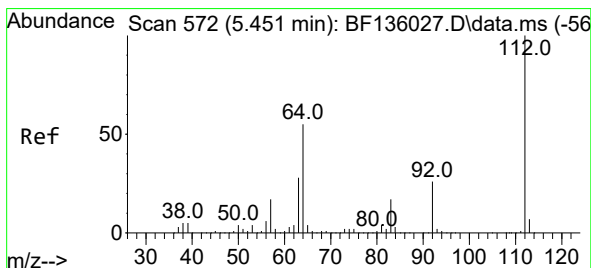
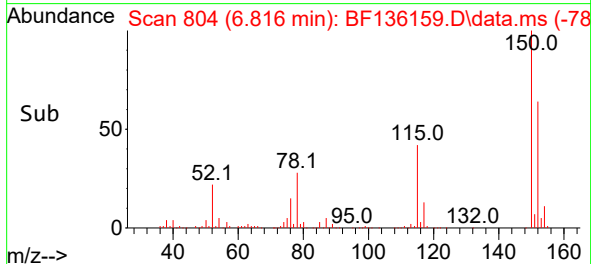
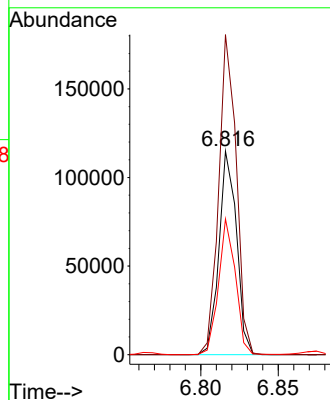
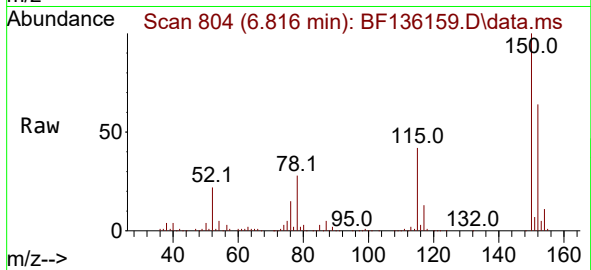
Benzo(g,h,i)perylene



#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.816 min Scan# 806  
Delta R.T. -0.006 min  
Lab File: BF136159.D  
Acq: 06 Nov 2023 17:28

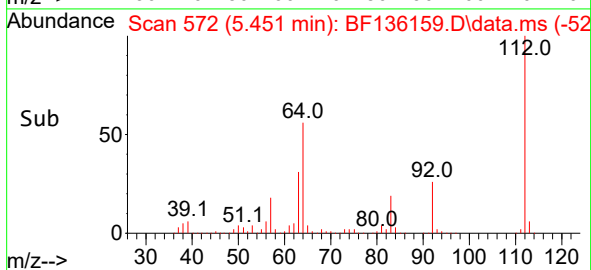
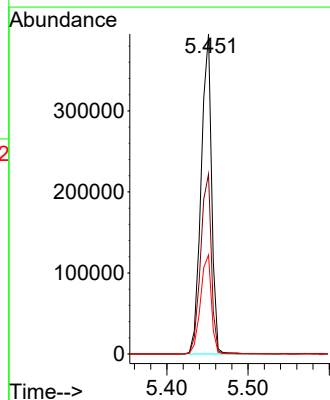
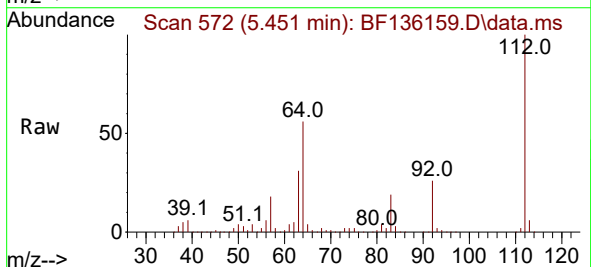
Instrument :  
BNA\_F  
ClientSampleId :  
L-6(0-5)

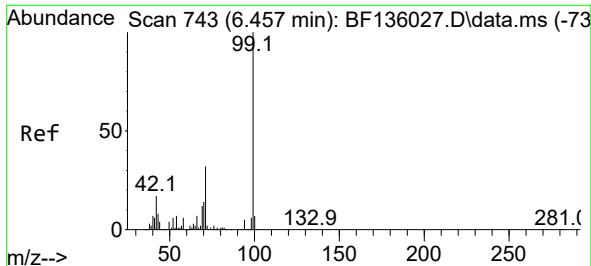
Tgt Ion:152 Resp: 90367  
Ion Ratio Lower Upper  
152 100  
150 157.2 126.4 189.6  
115 66.7 47.0 70.4



#5  
2-Fluorophenol  
Concen: 61.946 ng  
RT: 5.451 min Scan# 572  
Delta R.T. 0.006 min  
Lab File: BF136159.D  
Acq: 06 Nov 2023 17:28

Tgt Ion:112 Resp: 356230  
Ion Ratio Lower Upper  
112 100  
64 56.2 43.9 65.9  
63 30.9 22.4 33.6

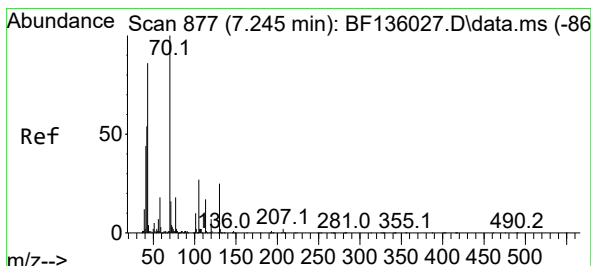
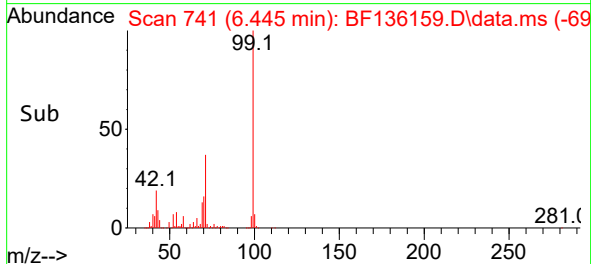
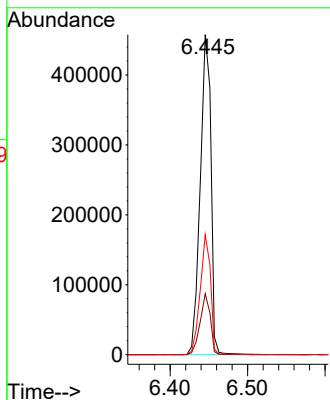
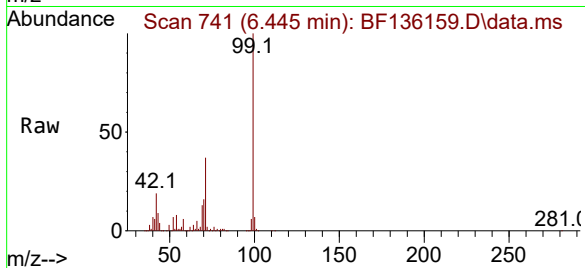




#7  
Phenol-d6  
Concen: 61.259 ng  
RT: 6.445 min Scan# 743  
Delta R.T. -0.012 min  
Lab File: BF136159.D  
Acq: 06 Nov 2023 17:28

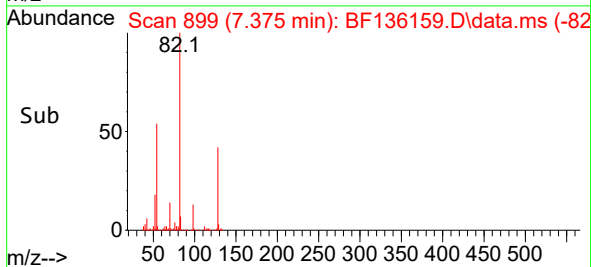
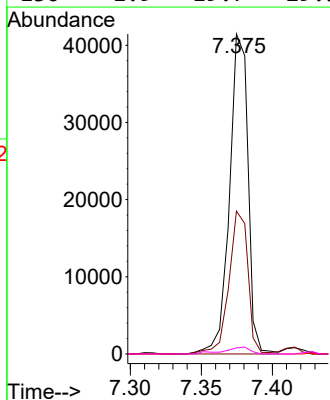
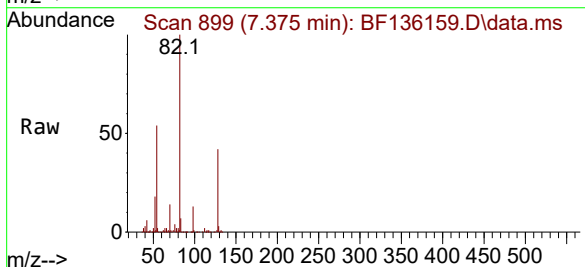
Instrument :  
BNA\_F  
ClientSampleId :  
L-6(0-5)

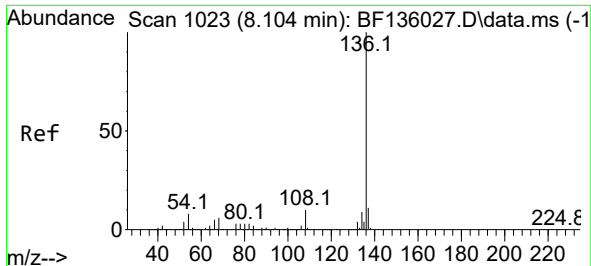
Tgt Ion: 99 Resp: 438926  
Ion Ratio Lower Upper  
99 100  
42 19.0 13.7 20.5  
71 37.5 25.9 38.9



#19  
n-Nitroso-di-n-propylamine  
Concen: 9.212 ng  
RT: 7.375 min Scan# 899  
Delta R.T. 0.135 min  
Lab File: BF136159.D  
Acq: 06 Nov 2023 17:28

Tgt Ion: 70 Resp: 37713  
Ion Ratio Lower Upper  
70 100  
42 44.6 43.0 64.4  
101 0.0 8.0 12.0#  
130 1.9 19.7 29.5#

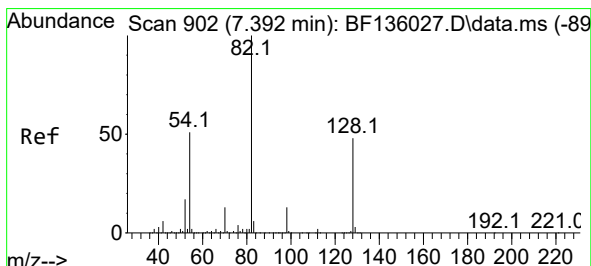
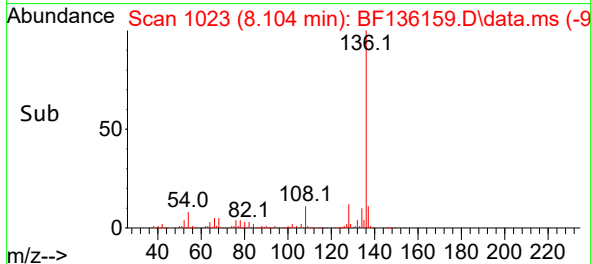
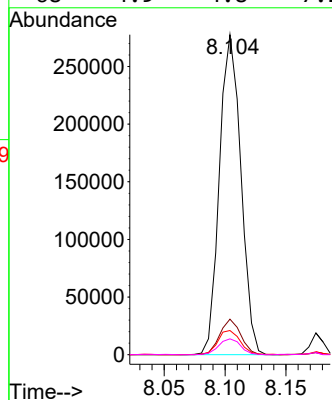
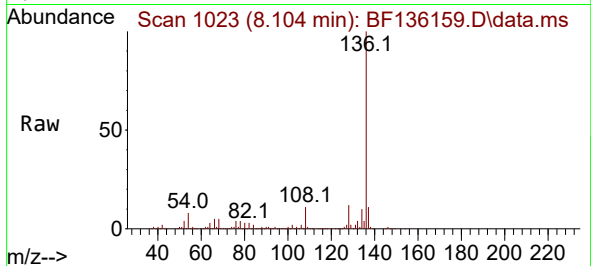




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.104 min Scan# 1023  
Delta R.T. 0.000 min  
Lab File: BF136159.D  
Acq: 06 Nov 2023 17:28

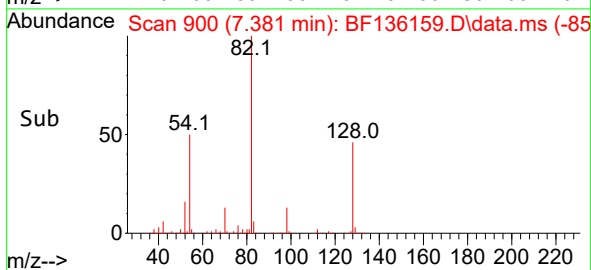
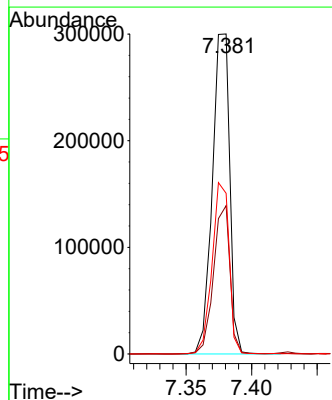
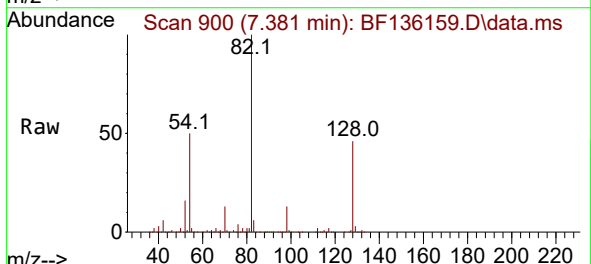
Instrument :  
BNA\_F  
ClientSampleId :  
L-6(0-5)

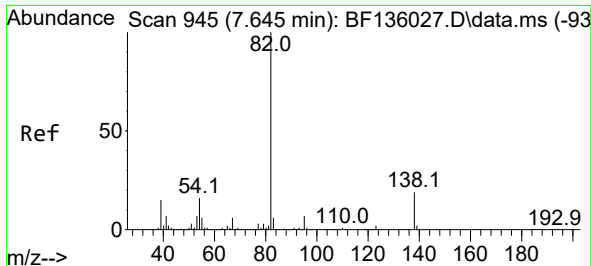
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 340660 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.1  | 8.6   | 13.0   |
| 54       | 7.6   | 6.6   | 9.8    |
| 68       | 4.9   | 4.8   | 7.2    |



#23  
Nitrobenzene-d5  
Concen: 49.044 ng  
RT: 7.381 min Scan# 900  
Delta R.T. -0.006 min  
Lab File: BF136159.D  
Acq: 06 Nov 2023 17:28

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 277151 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 46.3  | 38.6  | 57.8   |
| 54       | 50.2  | 40.8  | 61.2   |

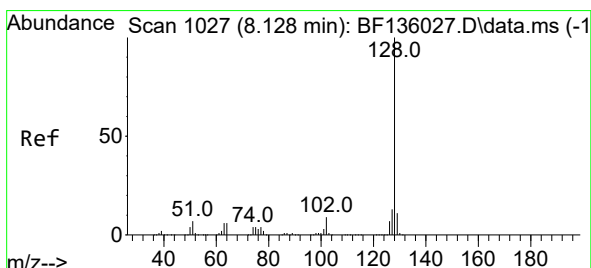
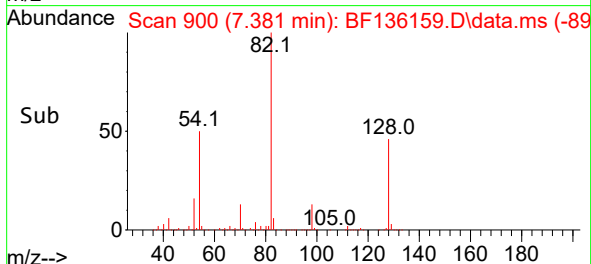
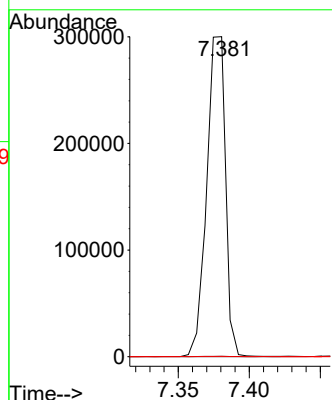
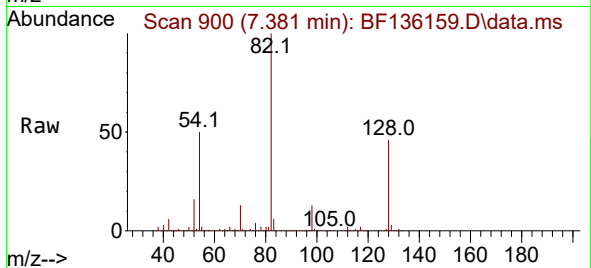




#25  
Isophorone  
Concen: 25.978 ng  
RT: 7.381 min Scan# 90  
Delta R.T. -0.259 min  
Lab File: BF136159.D  
Acq: 06 Nov 2023 17:28

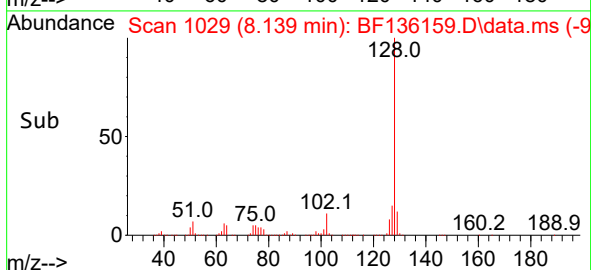
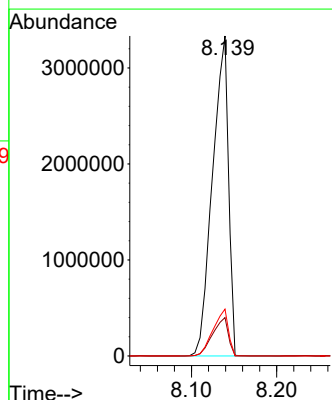
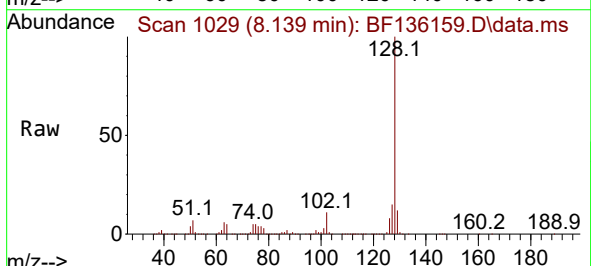
Instrument :  
BNA\_F  
ClientSampleId :  
L-6(0-5)

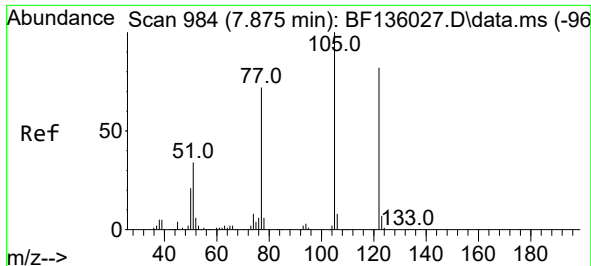
Tgt Ion: 82 Resp: 277146  
Ion Ratio Lower Upper  
82 100  
95 0.2 5.9 8.9#  
138 0.0 15.3 22.9#



#31  
Naphthalene  
Concen: 263.191 ng  
RT: 8.139 min Scan# 1029  
Delta R.T. 0.018 min  
Lab File: BF136159.D  
Acq: 06 Nov 2023 17:28

Tgt Ion:128 Resp: 4323520  
Ion Ratio Lower Upper  
128 100  
129 12.0 8.9 13.3  
127 14.6 10.5 15.7

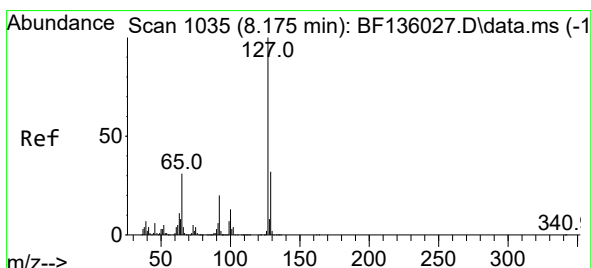
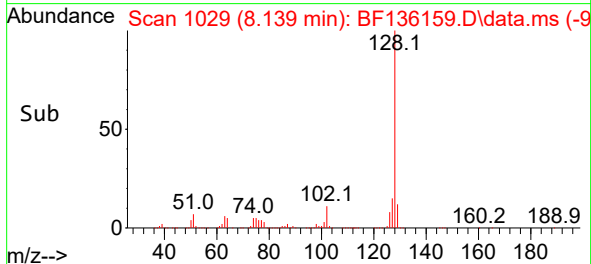
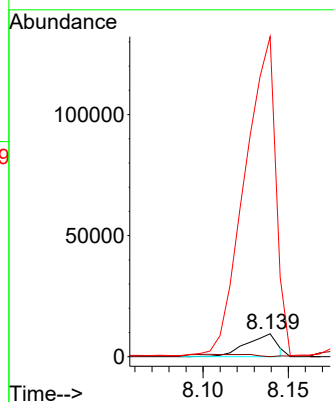
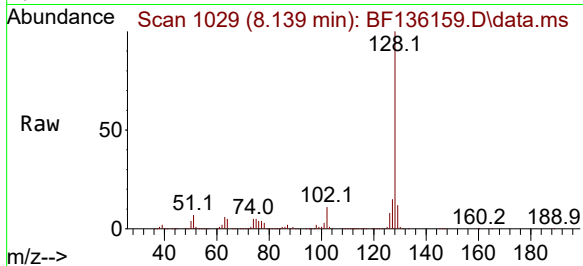




#32  
Benzoic acid  
Concen: 7.779 ng  
RT: 8.139 min Scan# 1029  
Delta R.T. 0.271 min  
Lab File: BF136159.D  
Acq: 06 Nov 2023 17:28

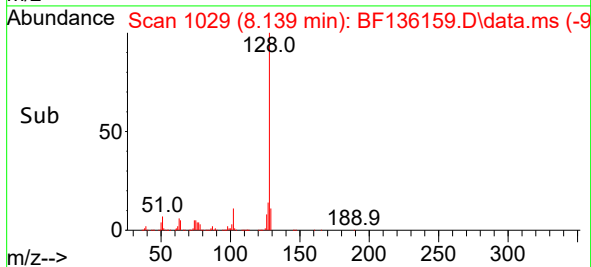
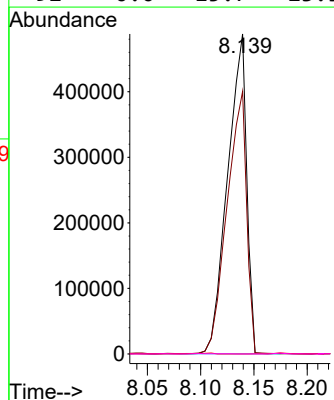
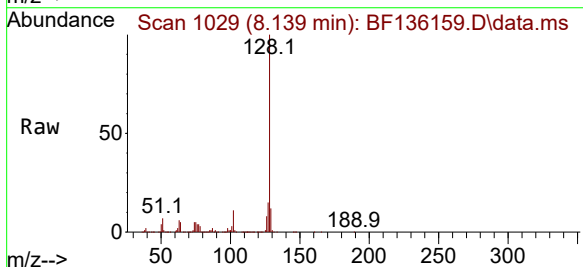
Instrument :  
BNA\_F  
ClientSampleId :  
L-6(0-5)

Tgt Ion:122 Resp: 11773  
Ion Ratio Lower Upper  
122 100  
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77 1397.6 66.8 106.8#

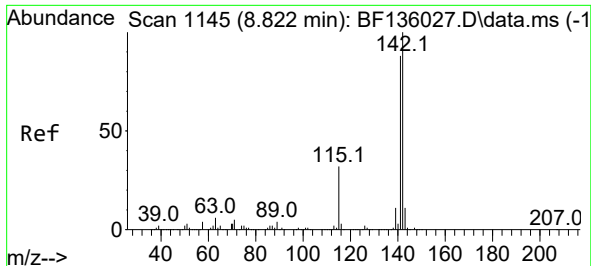


#33  
4-Chloroaniline  
Concen: 84.414 ng  
RT: 8.139 min Scan# 1029  
Delta R.T. -0.035 min  
Lab File: BF136159.D  
Acq: 06 Nov 2023 17:28

Tgt Ion:127 Resp: 607281  
Ion Ratio Lower Upper  
127 100  
129 82.0 25.9 38.9#  
65 0.0 24.6 37.0#  
92 0.0 15.7 23.5#







#37

2-Methylnaphthalene

Concen: 224.297 ng

RT: 8.833 min Scan# 1145

Delta R.T. 0.018 min

Lab File: BF136159.D

Acq: 06 Nov 2023 17:28

Instrument :

BNA\_F

ClientSampleId :

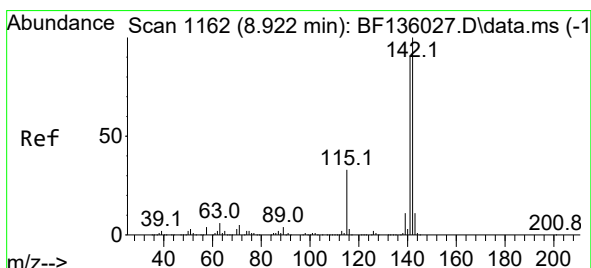
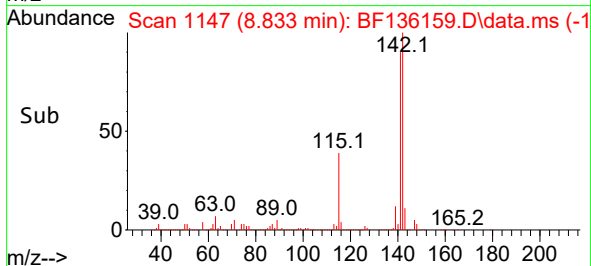
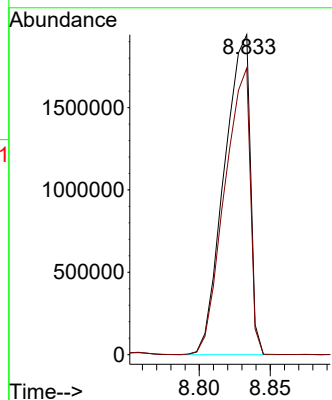
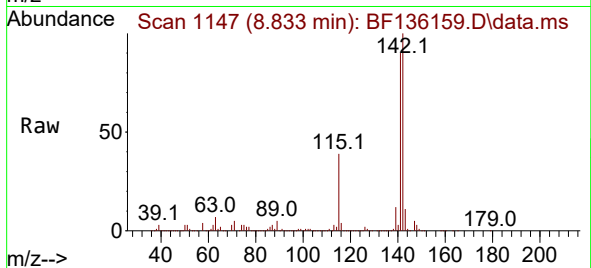
L-6(0-5)

Tgt Ion:142 Resp: 2470590

Ion Ratio Lower Upper

142 100

141 89.6 70.4 105.6



#38

1-Methylnaphthalene

Concen: 228.665 ng

RT: 8.933 min Scan# 1164

Delta R.T. 0.018 min

Lab File: BF136159.D

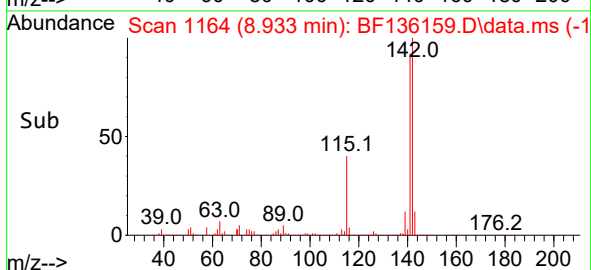
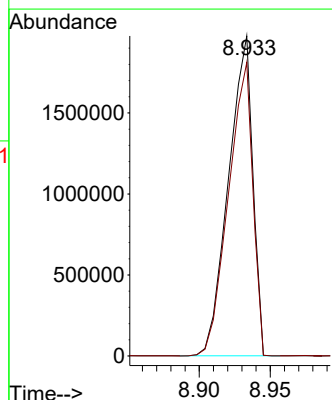
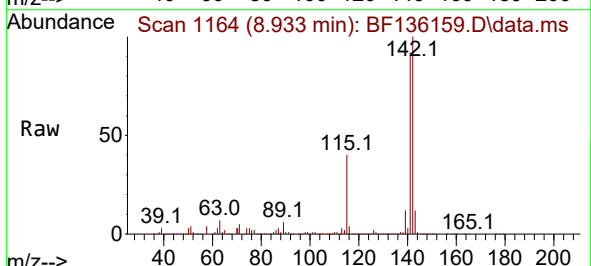
Acq: 06 Nov 2023 17:28

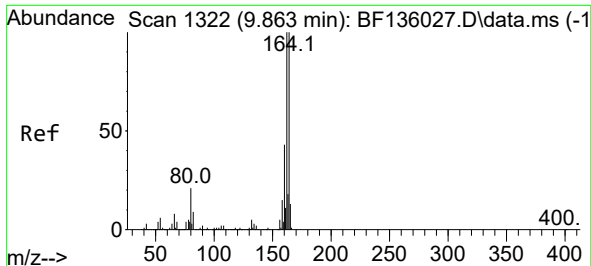
Tgt Ion:142 Resp: 2343932

Ion Ratio Lower Upper

142 100

141 91.7 72.6 109.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.857 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF136159.D

Acq: 06 Nov 2023 17:28

Instrument :

BNA\_F

ClientSampleId :

L-6(0-5)

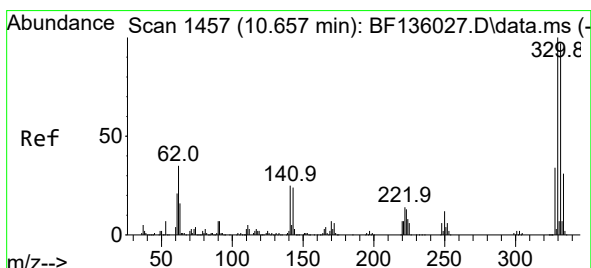
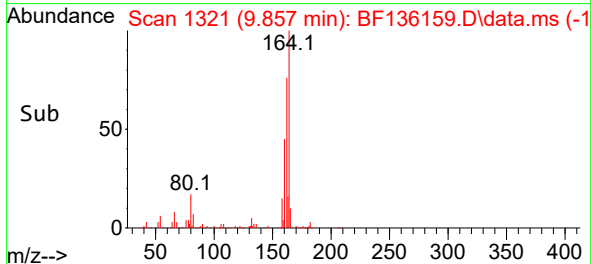
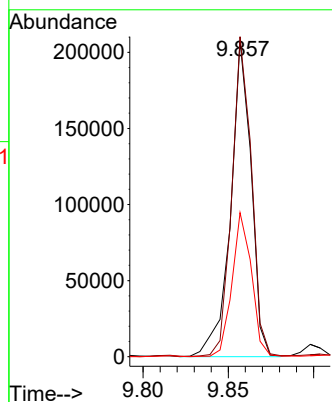
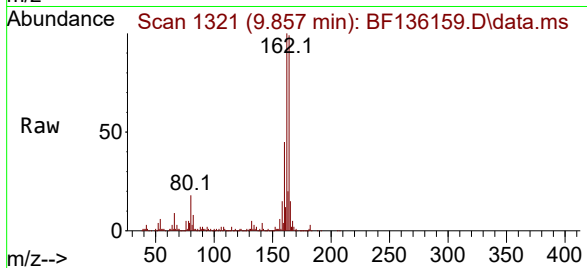
Tgt Ion:164 Resp: 173771

Ion Ratio Lower Upper

164 100

162 101.2 80.1 120.1

160 45.5 34.8 52.2



#42

2,4,6-Tribromophenol

Concen: 54.377 ng

RT: 10.651 min Scan# 1456

Delta R.T. 0.000 min

Lab File: BF136159.D

Acq: 06 Nov 2023 17:28

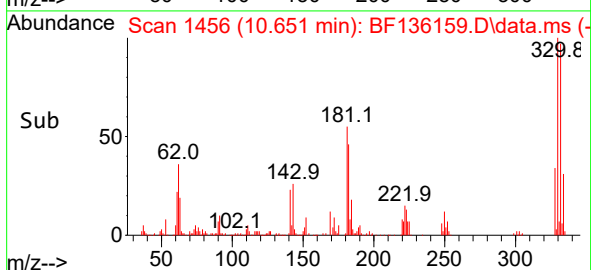
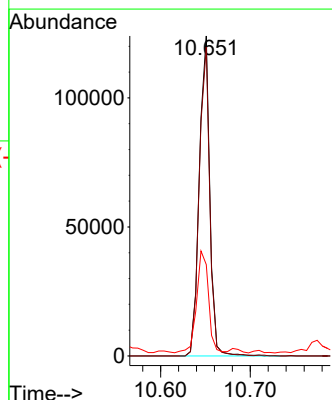
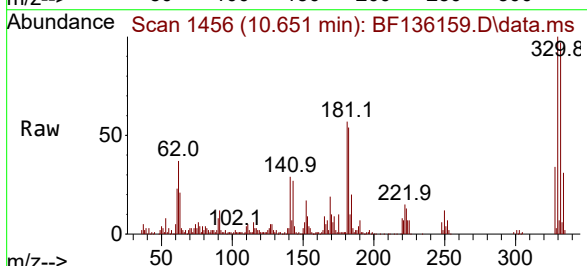
Tgt Ion:330 Resp: 100858

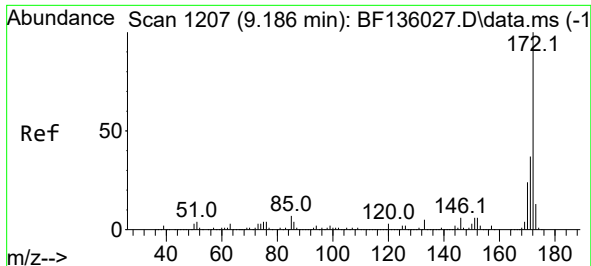
Ion Ratio Lower Upper

330 100

332 96.9 76.9 115.3

141 35.8 23.2 34.8#





#45

2-Fluorobiphenyl

Concen: 49.948 ng

RT: 9.180 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF136159.D

Acq: 06 Nov 2023 17:28

Instrument :

BNA\_F

ClientSampleId :

L-6(0-5)

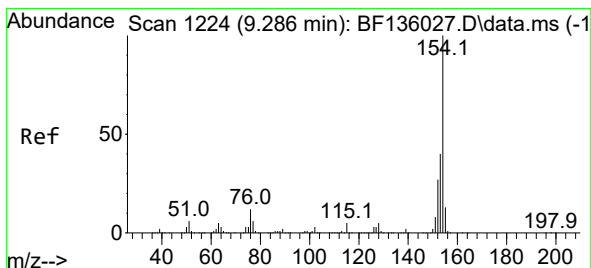
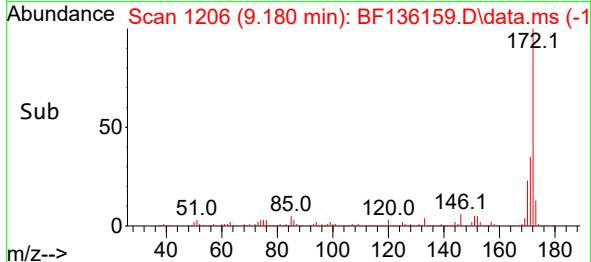
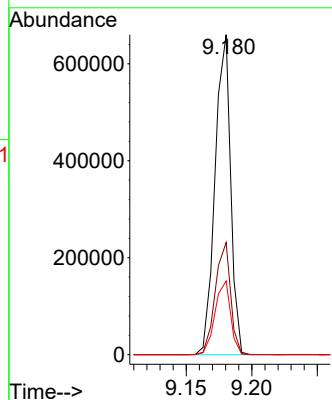
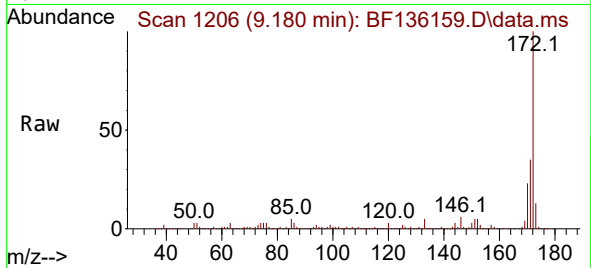
Tgt Ion:172 Resp: 544473

Ion Ratio Lower Upper

172 100

171 35.1 29.4 44.0

170 23.1 19.3 28.9



#46

1,1'-Biphenyl

Concen: 84.200 ng

RT: 9.286 min Scan# 1224

Delta R.T. 0.006 min

Lab File: BF136159.D

Acq: 06 Nov 2023 17:28

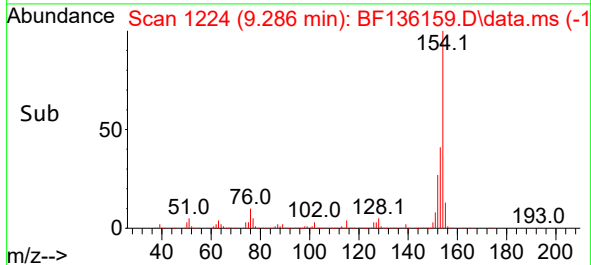
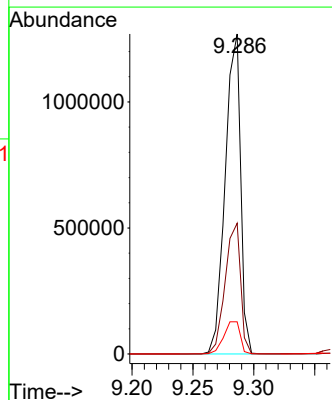
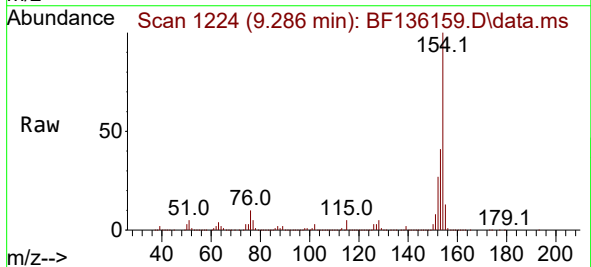
Tgt Ion:154 Resp: 1115384

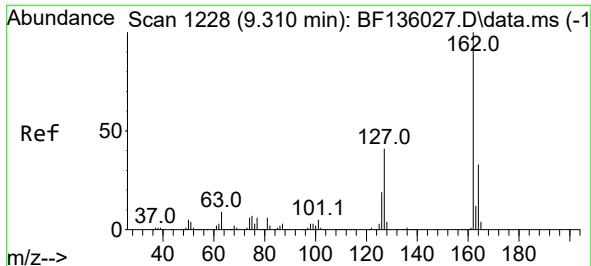
Ion Ratio Lower Upper

154 100

153 40.9 20.1 60.1

76 10.0 0.0 32.5





#47

2-Chloronaphthalene

Concen: 12.469 ng

RT: 9.351 min Scan# 1235

Delta R.T. 0.047 min

Lab File: BF136159.D

Acq: 06 Nov 2023 17:28

Instrument :

BNA\_F

ClientSampleId :

L-6(0-5)

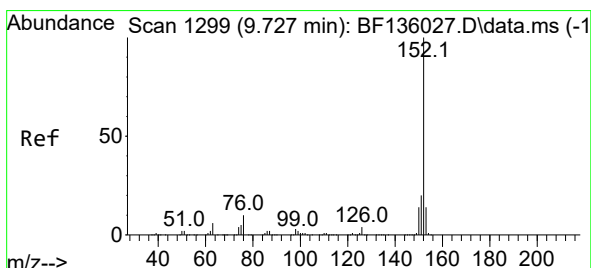
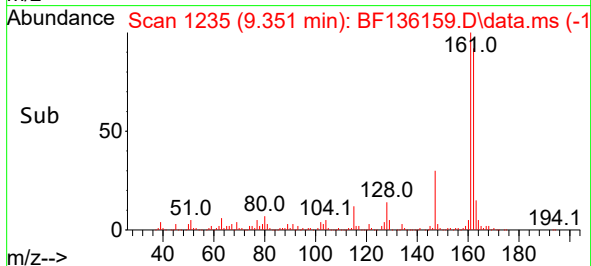
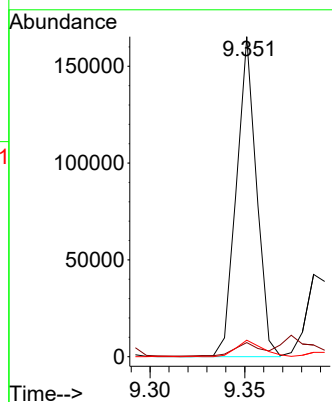
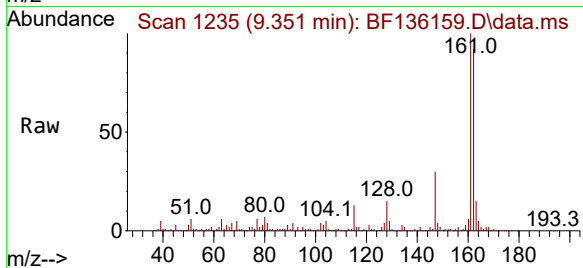
Tgt Ion:162 Resp: 121764

Ion Ratio Lower Upper

162 100

127 4.4 32.4 48.6#

164 5.2 26.7 40.1#



#49

Acenaphthylene

Concen: 45.652 ng

RT: 9.722 min Scan# 1298

Delta R.T. 0.000 min

Lab File: BF136159.D

Acq: 06 Nov 2023 17:28

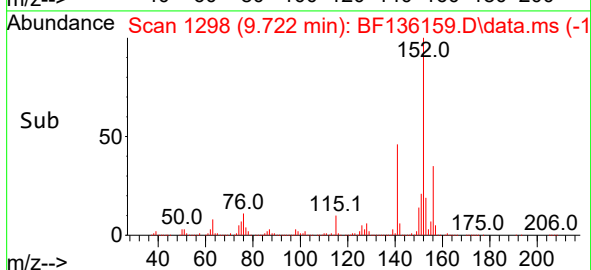
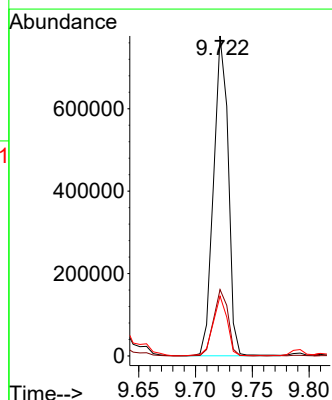
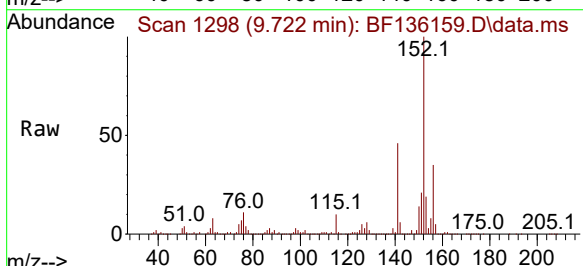
Tgt Ion:152 Resp: 695481

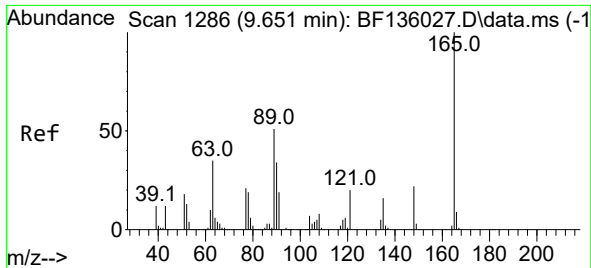
Ion Ratio Lower Upper

152 100

151 20.7 16.1 24.1

153 18.7 11.4 17.2#

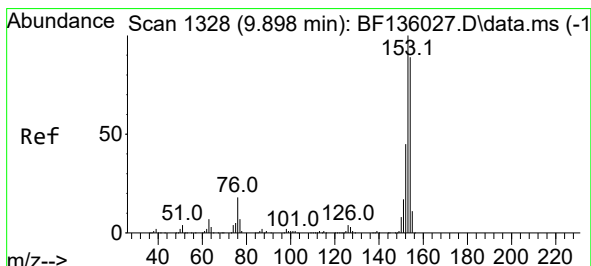
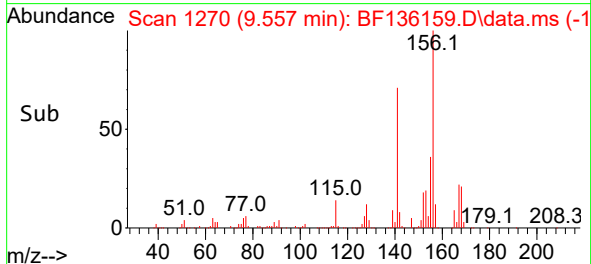
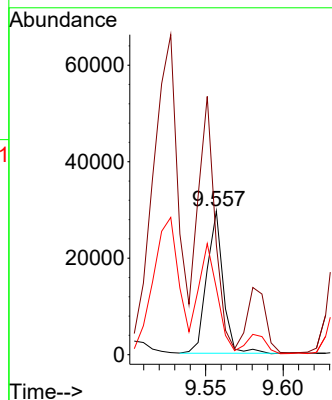
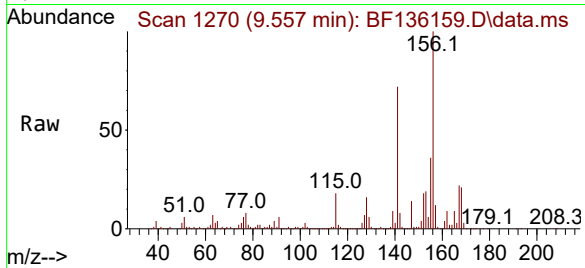




#51  
2,6-Dinitrotoluene  
Concen: 8.803 ng  
RT: 9.557 min Scan# 11  
Delta R.T. -0.088 min  
Lab File: BF136159.D  
Acq: 06 Nov 2023 17:28

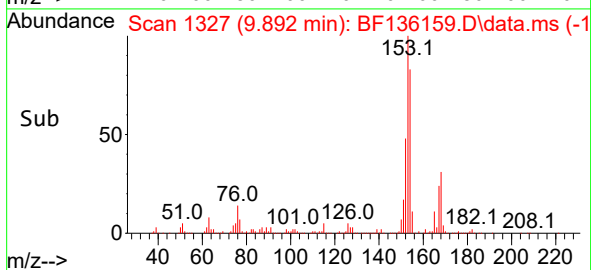
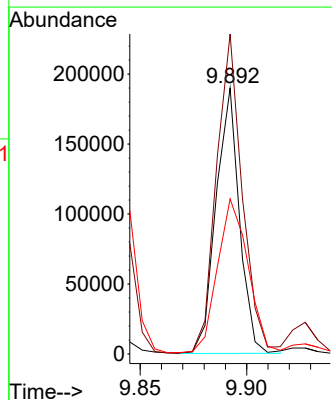
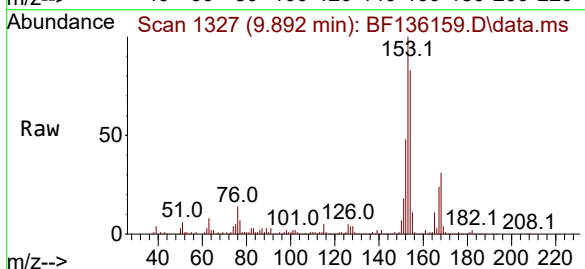
Instrument :  
BNA\_F  
ClientSampleId :  
L-6(0-5)

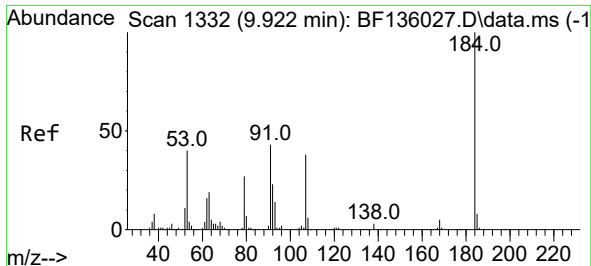
Tgt Ion:165 Resp: 21580  
Ion Ratio Lower Upper  
165 100  
63 76.4 40.8 61.2#  
89 46.2 41.1 61.7



#52  
Acenaphthene  
Concen: 14.952 ng  
RT: 9.892 min Scan# 1327  
Delta R.T. -0.006 min  
Lab File: BF136159.D  
Acq: 06 Nov 2023 17:28

Tgt Ion:154 Resp: 144810  
Ion Ratio Lower Upper  
154 100  
153 120.3 89.9 134.9  
152 58.3 40.2 60.2

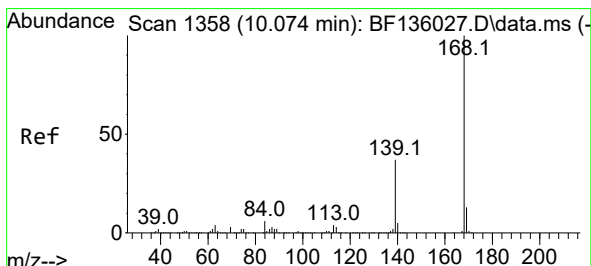
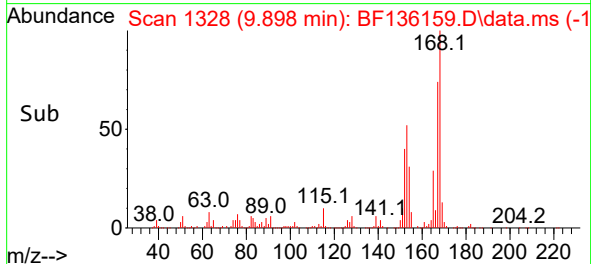
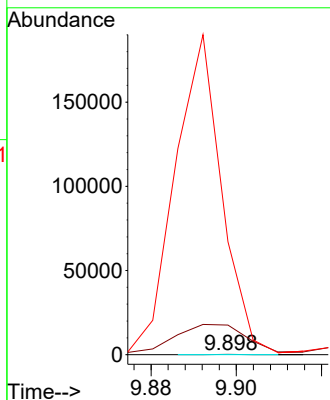
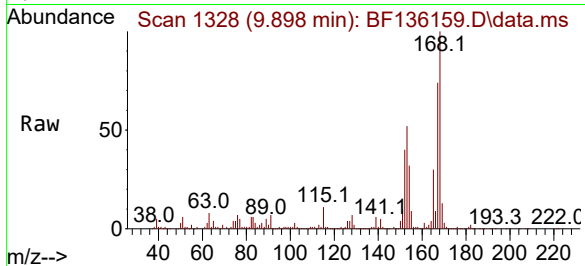




#54  
2,4-Dinitrophenol  
Concen: 8.018 ng  
RT: 9.898 min Scan# 1328  
Delta R.T. -0.018 min  
Lab File: BF136159.D  
Acq: 06 Nov 2023 17:28

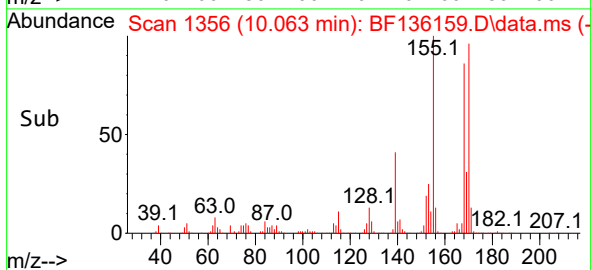
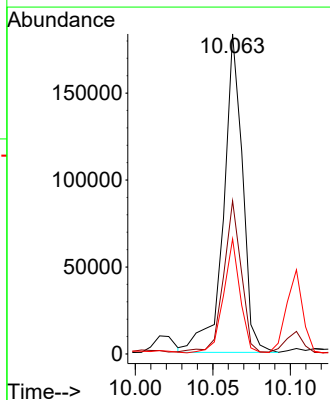
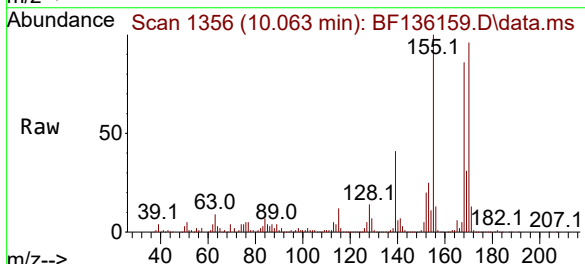
Instrument :  
BNA\_F  
ClientSampleId :  
L-6(0-5)

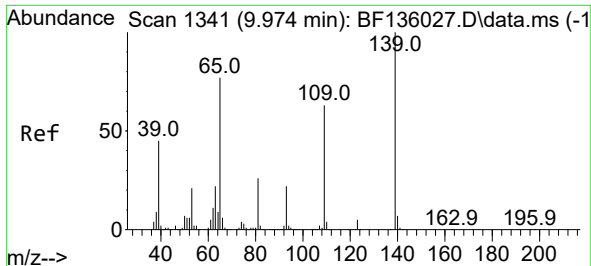
Tgt Ion:184 Resp: 60  
Ion Ratio Lower Upper  
184 100  
63 10334.1 43.7 65.5#  
154 39468.2 51.2 76.8#



#55  
Dibenzofuran  
Concen: 11.061 ng  
RT: 10.063 min Scan# 1356  
Delta R.T. -0.006 min  
Lab File: BF136159.D  
Acq: 06 Nov 2023 17:28

Tgt Ion:168 Resp: 156205  
Ion Ratio Lower Upper  
168 100  
139 47.9 29.4 44.0#  
169 35.9 10.5 15.7#

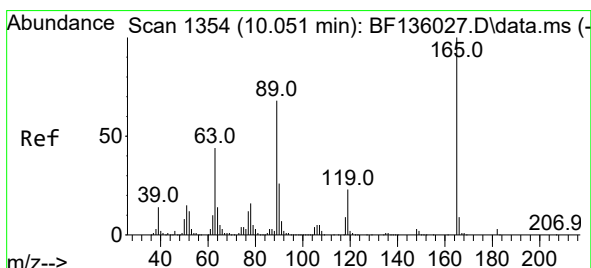
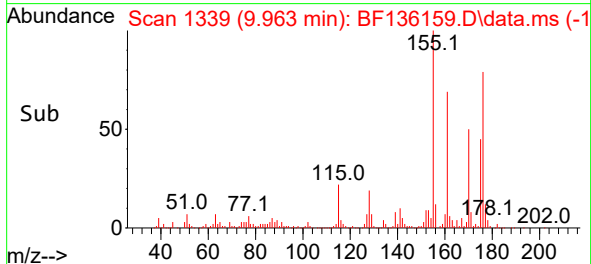
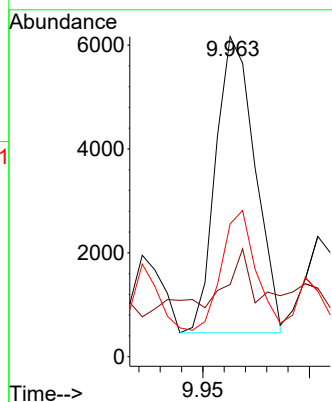
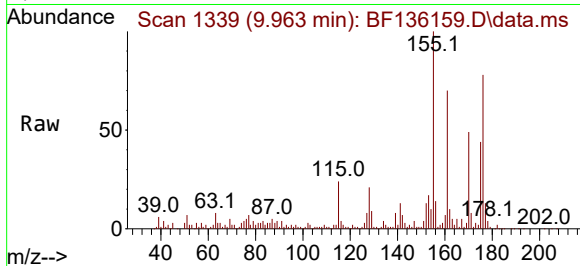




#56  
4-Nitrophenol  
Concen: 3.423 ng  
RT: 9.963 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF136159.D  
Acq: 06 Nov 2023 17:28

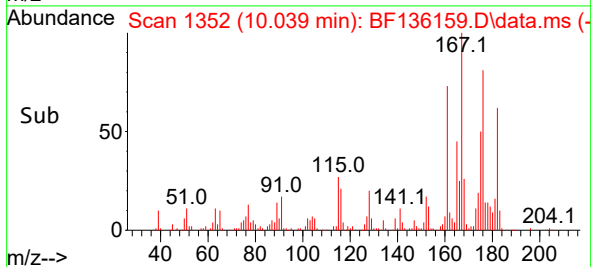
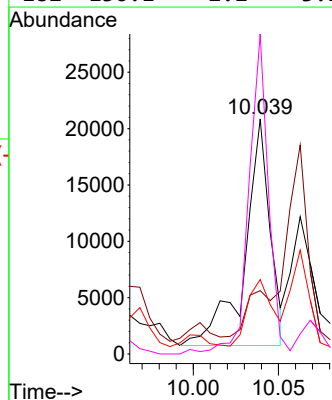
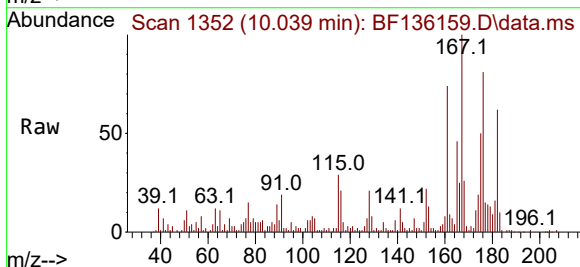
Instrument :  
BNA\_F  
ClientSampleId :  
L-6(0-5)

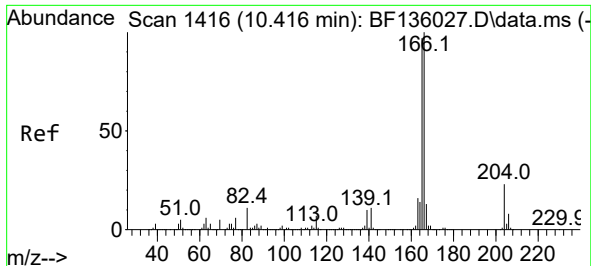
Tgt Ion:139 Resp: 7325  
Ion Ratio Lower Upper  
139 100  
109 22.5 43.2 83.2#  
65 41.5 57.6 97.6#



#57  
2,4-Dinitrotoluene  
Concen: 6.729 ng  
RT: 10.039 min Scan# 1352  
Delta R.T. -0.012 min  
Lab File: BF136159.D  
Acq: 06 Nov 2023 17:28

Tgt Ion:165 Resp: 20873  
Ion Ratio Lower Upper  
165 100  
63 26.9 35.2 52.8#  
89 31.7 54.8 82.2#  
182 136.1 2.2 3.2#

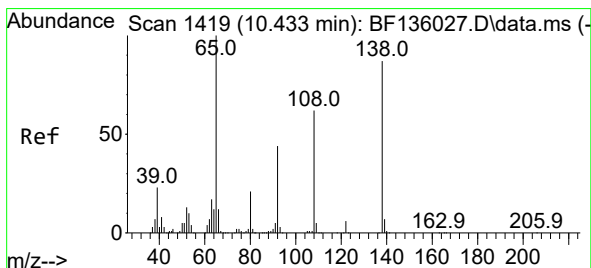
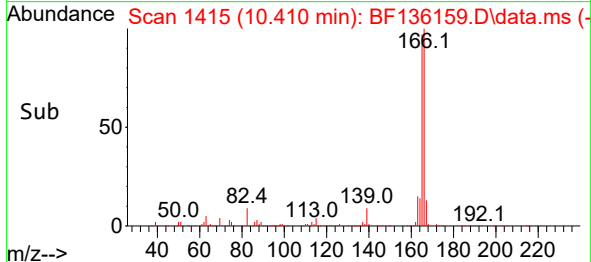
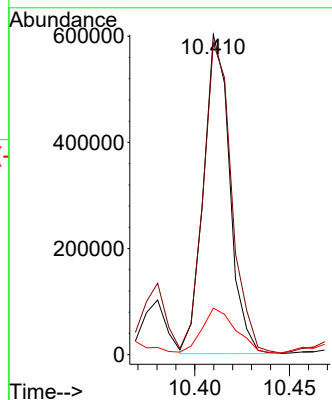
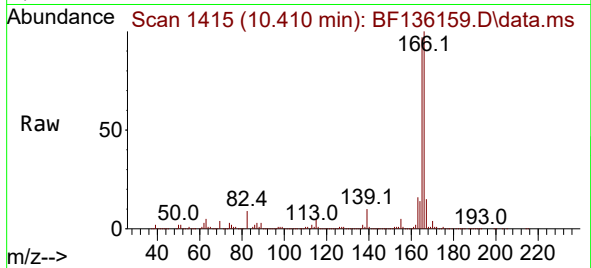




#58  
Fluorene  
Concen: 54.643 ng  
RT: 10.410 min Scan# 1416  
Delta R.T. 0.000 min  
Lab File: BF136159.D  
Acq: 06 Nov 2023 17:28

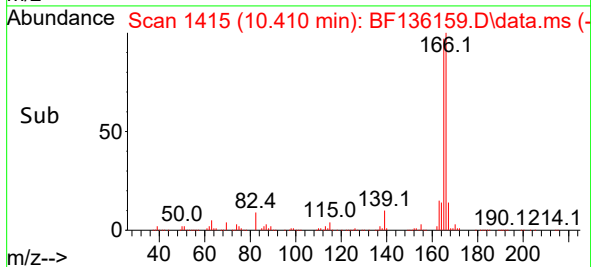
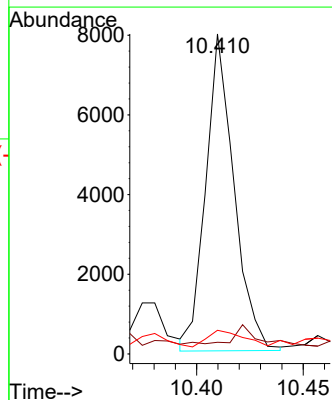
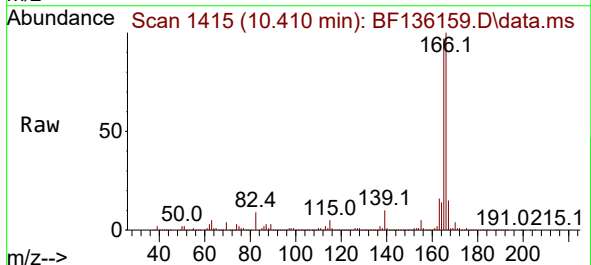
Instrument :  
BNA\_F  
ClientSampleId :  
L-6(0-5)

Tgt Ion:166 Resp: 577752  
Ion Ratio Lower Upper  
166 100  
165 97.4 77.7 116.5  
167 14.5 10.6 16.0

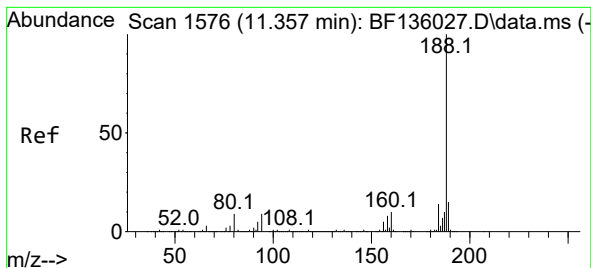


#62  
4-Nitroaniline  
Concen: 2.665 ng  
RT: 10.410 min Scan# 1415  
Delta R.T. -0.024 min  
Lab File: BF136159.D  
Acq: 06 Nov 2023 17:28

Tgt Ion:138 Resp: 7341  
Ion Ratio Lower Upper  
138 100  
92 3.7 30.6 70.6#  
108 7.4 51.5 91.5#







#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.357 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF136159.D

Acq: 06 Nov 2023 17:28

Instrument :

BNA\_F

ClientSampleId :

L-6(0-5)

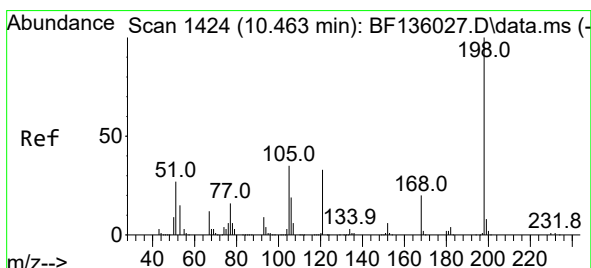
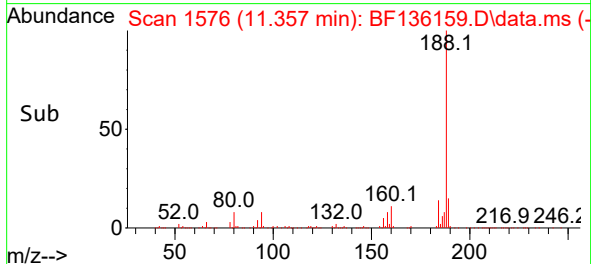
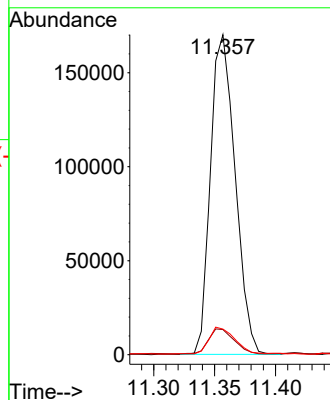
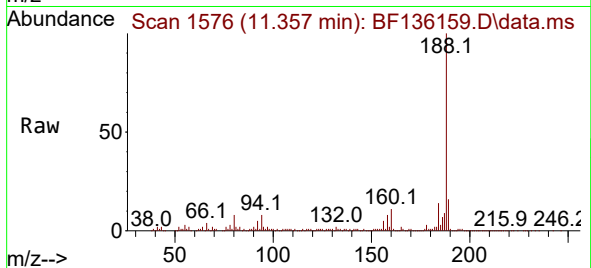
Tgt Ion:188 Resp: 239969

Ion Ratio Lower Upper

188 100

94 7.9 7.2 10.8

80 8.0 7.4 11.0



#65

4,6-Dinitro-2-methylphenol

Concen: 6.009 ng

RT: 10.469 min Scan# 1425

Delta R.T. 0.012 min

Lab File: BF136159.D

Acq: 06 Nov 2023 17:28

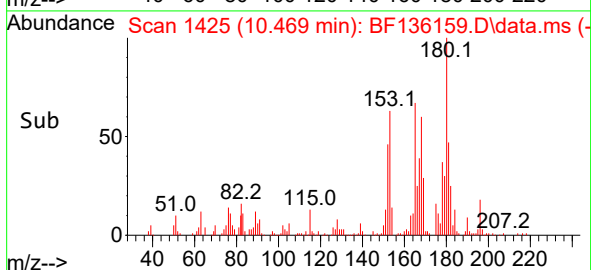
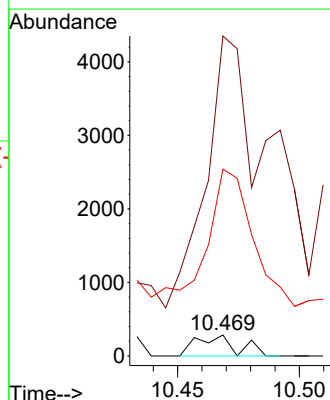
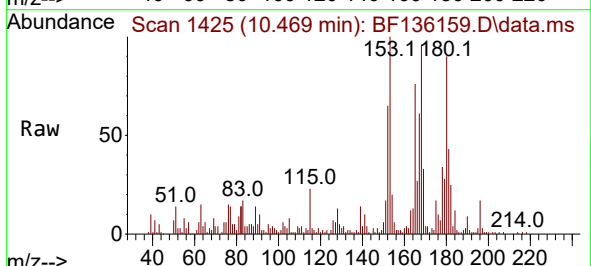
Tgt Ion:198 Resp: 327

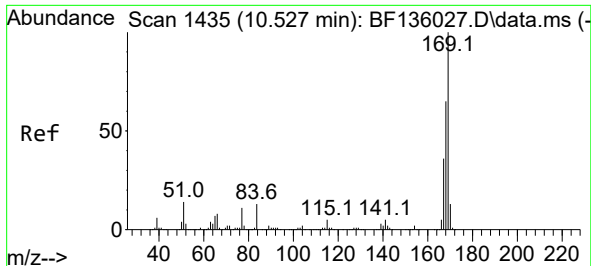
Ion Ratio Lower Upper

198 100

51 1527.0 12.9 52.9#

105 891.6 16.0 56.0#

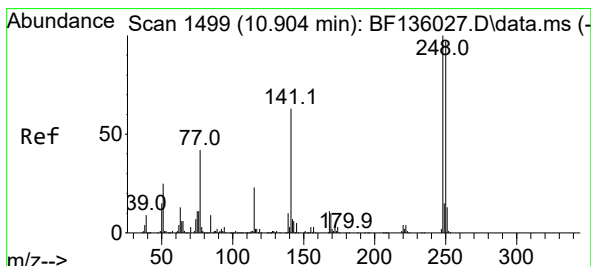
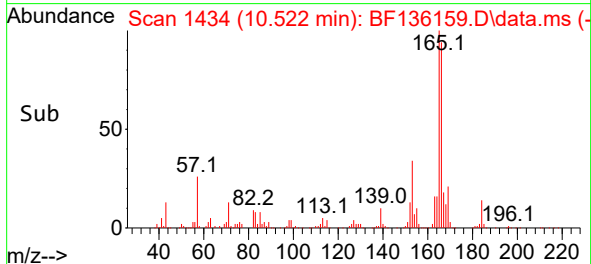
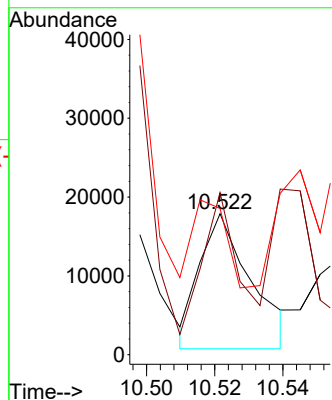
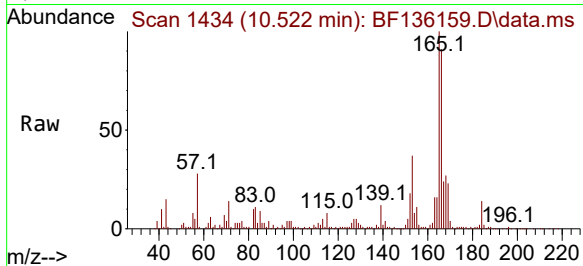




#66  
n-Nitrosodiphenylamine  
Concen: 2.472 ng  
RT: 10.522 min Scan# 1434  
Delta R.T. -0.006 min  
Lab File: BF136159.D  
Acq: 06 Nov 2023 17:28

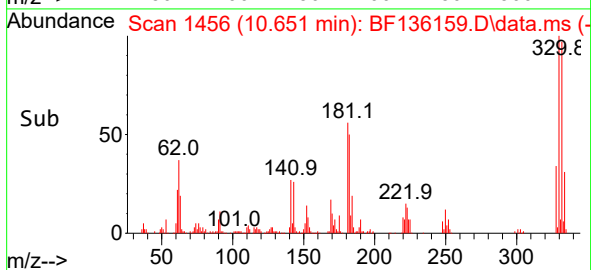
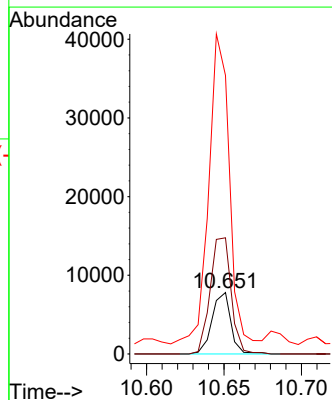
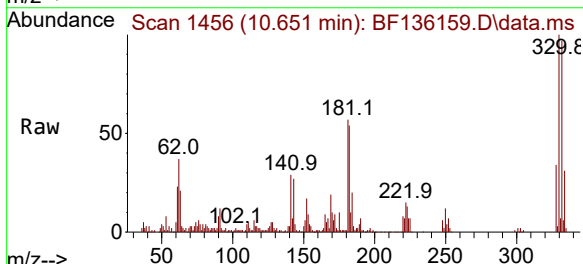
Instrument :  
BNA\_F  
ClientSampleId :  
L-6(0-5)

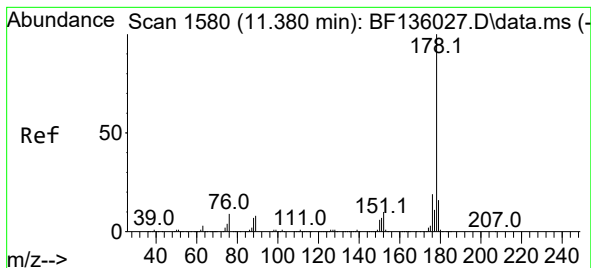
Tgt Ion:169 Resp: 17895  
Ion Ratio Lower Upper  
169 100  
168 115.0 52.2 78.2#  
167 103.8 28.7 43.1#



#67  
4-Bromophenyl-phenylether  
Concen: 2.624 ng  
RT: 10.651 min Scan# 1456  
Delta R.T. -0.247 min  
Lab File: BF136159.D  
Acq: 06 Nov 2023 17:28

Tgt Ion:248 Resp: 6601  
Ion Ratio Lower Upper  
248 100  
250 188.9 77.6 116.4#  
141 452.9 50.4 75.6#





#71

Phenanthrene

Concen: 348.969 ng

RT: 11.398 min Scan# 1583

Delta R.T. 0.024 min

Lab File: BF136159.D

Acq: 06 Nov 2023 17:28

Instrument :

BNA\_F

ClientSampleId :

L-6(0-5)

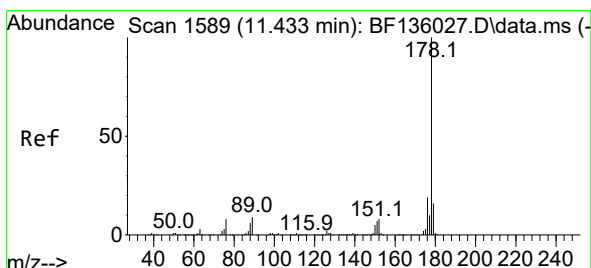
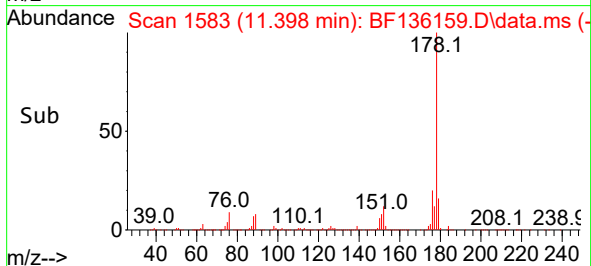
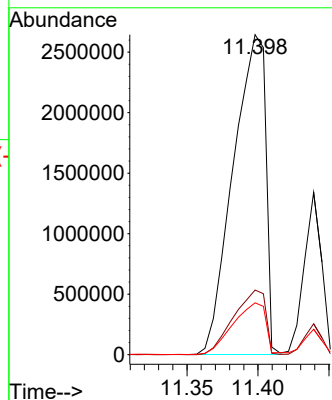
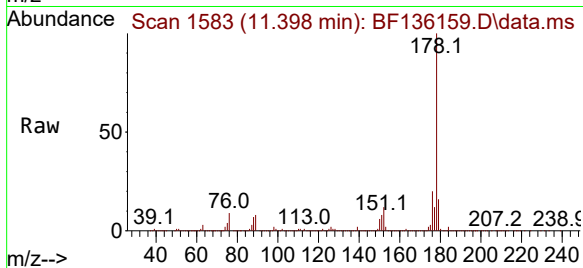
Tgt Ion:178 Resp: 4216424

Ion Ratio Lower Upper

178 100

176 20.2 15.5 23.3

179 16.2 12.9 19.3



#72

Anthracene

Concen: 93.123 ng

RT: 11.439 min Scan# 1590

Delta R.T. 0.012 min

Lab File: BF136159.D

Acq: 06 Nov 2023 17:28

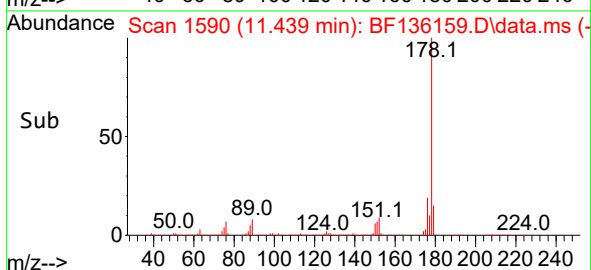
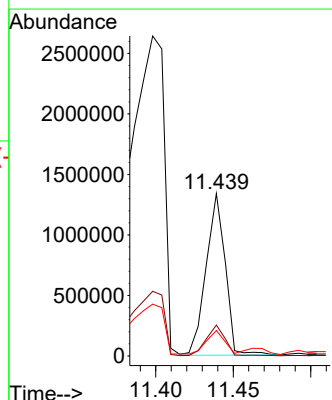
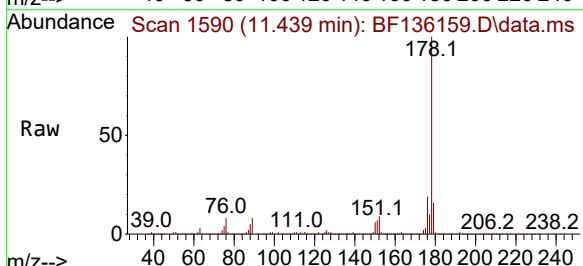
Tgt Ion:178 Resp: 1152943

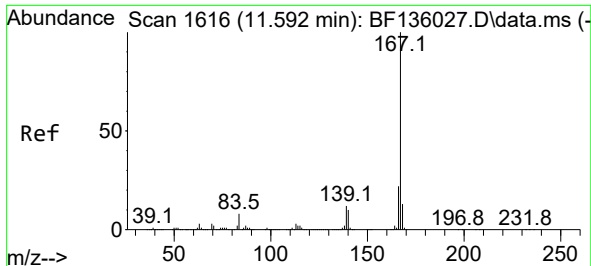
Ion Ratio Lower Upper

178 100

176 19.0 15.0 22.4

179 15.7 12.6 18.8

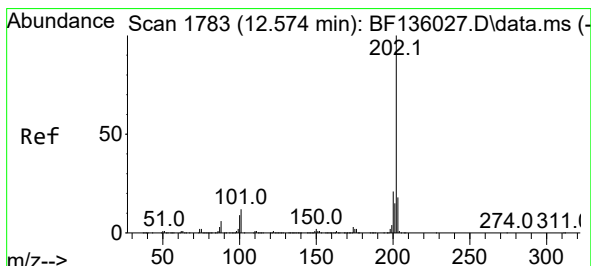
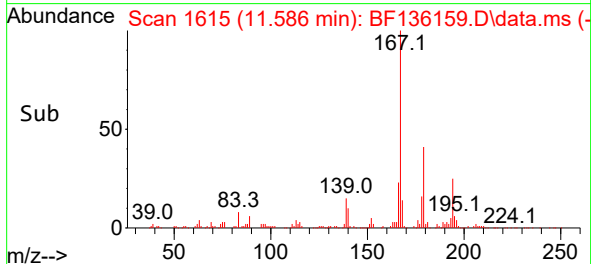
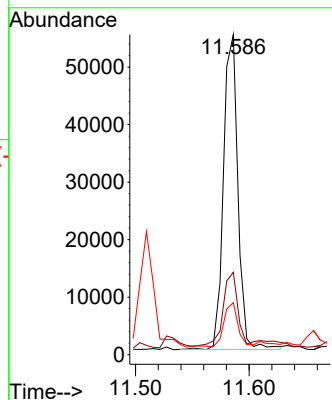
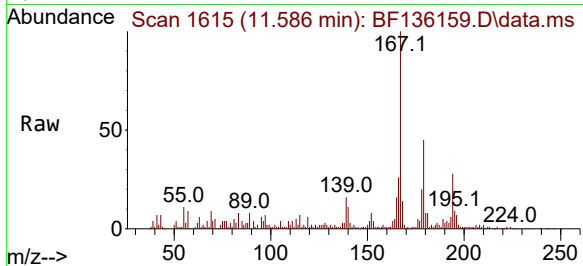




#73  
 Carbazole  
 Concen: 4.509 ng  
 RT: 11.586 min Scan# 1  
 Delta R.T. 0.000 min  
 Lab File: BF136159.D  
 Acq: 06 Nov 2023 17:28

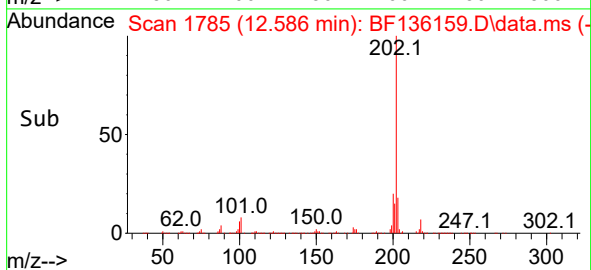
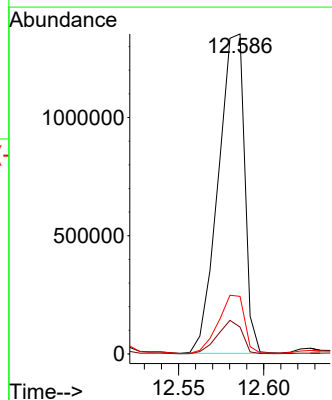
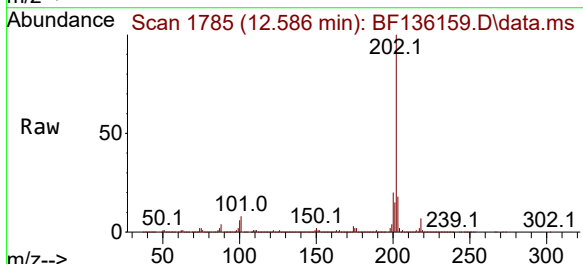
Instrument :  
 BNA\_F  
 ClientSampleId :  
 L-6(0-5)

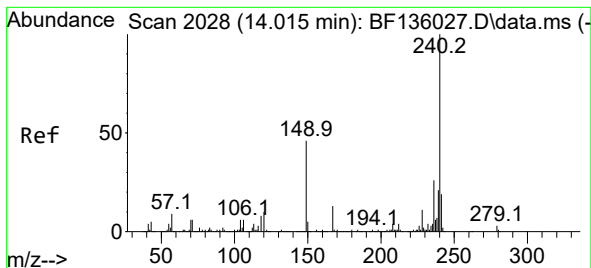
Tgt Ion:167 Resp: 48514  
 Ion Ratio Lower Upper  
 167 100  
 166 25.7 17.2 25.8  
 139 16.2 9.9 14.9#



#75  
 Fluoranthene  
 Concen: 116.679 ng  
 RT: 12.586 min Scan# 1785  
 Delta R.T. 0.018 min  
 Lab File: BF136159.D  
 Acq: 06 Nov 2023 17:28

Tgt Ion:202 Resp: 1448268  
 Ion Ratio Lower Upper  
 202 100  
 101 8.4 0.0 31.8  
 203 18.0 0.0 37.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.015 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF136159.D

Acq: 06 Nov 2023 17:28

Instrument :

BNA\_F

ClientSampleId :

L-6(0-5)

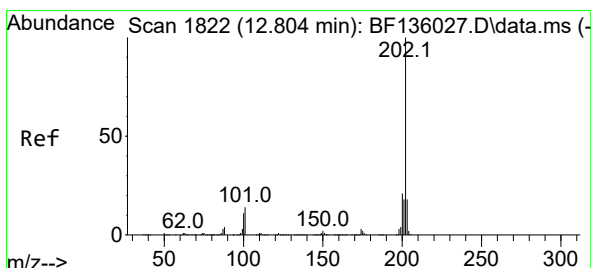
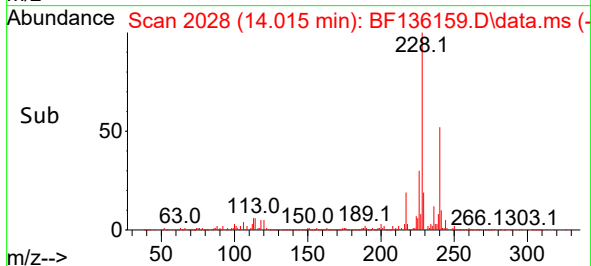
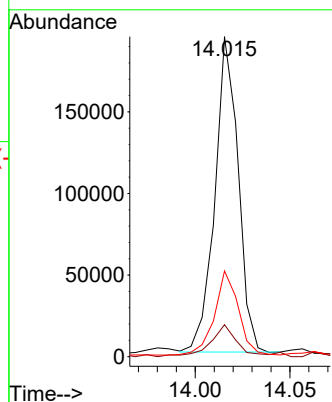
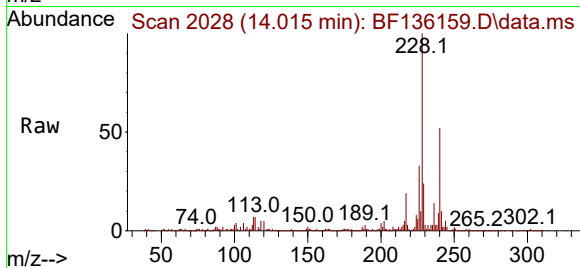
Tgt Ion:240 Resp: 165100

Ion Ratio Lower Upper

240 100

120 10.0 7.6 11.4

236 26.8 20.6 31.0



#78

Pyrene

Concen: 170.040 ng

RT: 12.821 min Scan# 1825

Delta R.T. 0.024 min

Lab File: BF136159.D

Acq: 06 Nov 2023 17:28

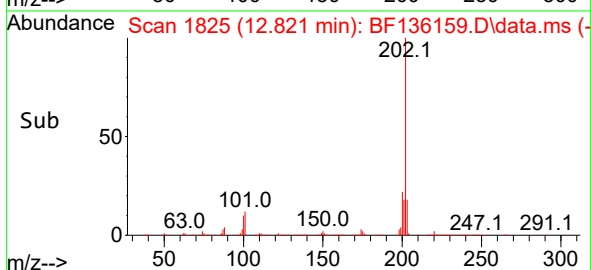
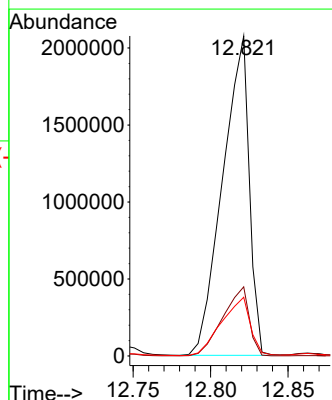
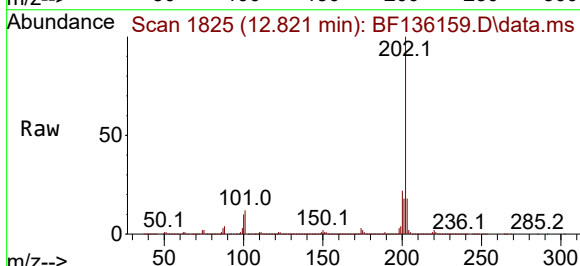
Tgt Ion:202 Resp: 2475112

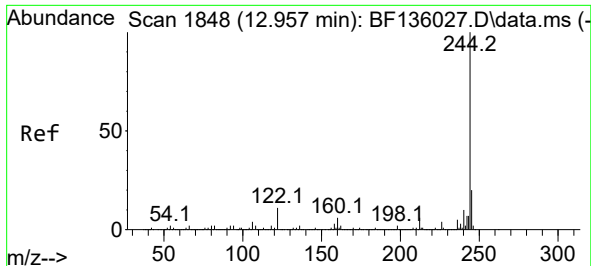
Ion Ratio Lower Upper

202 100

200 21.6 17.0 25.4

203 18.4 14.4 21.6

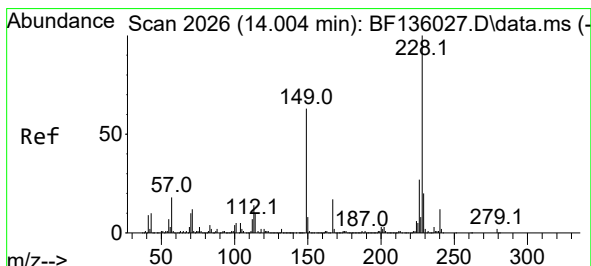
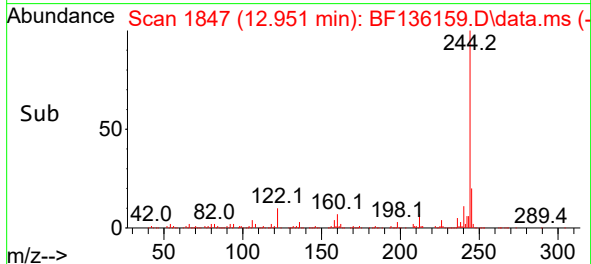
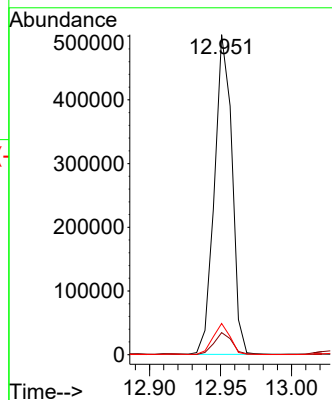
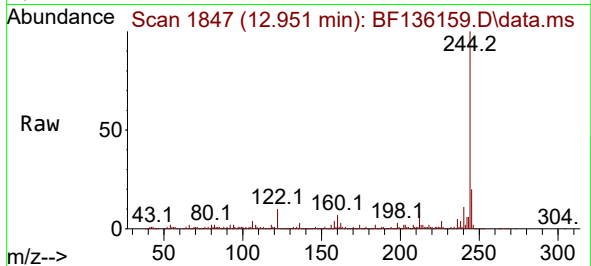




#79  
 Terphenyl-d14  
 Concen: 40.465 ng  
 RT: 12.951 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: BF136159.D  
 Acq: 06 Nov 2023 17:28

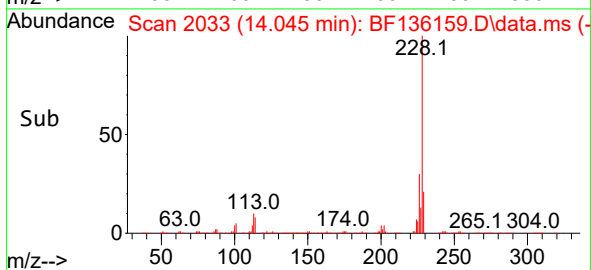
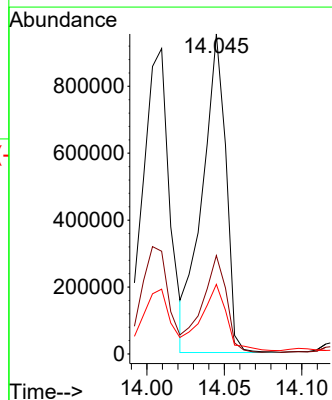
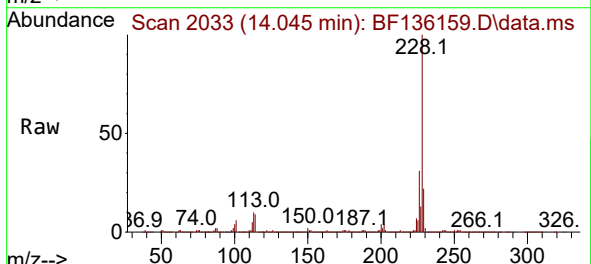
Instrument :  
 BNA\_F  
 ClientSampleId :  
 L-6(0-5)

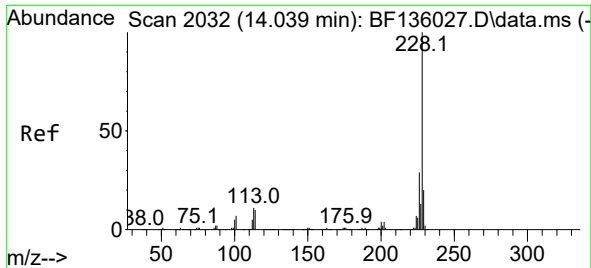
Tgt Ion:244 Resp: 429895  
 Ion Ratio Lower Upper  
 244 100  
 212 6.9 5.1 7.7  
 122 9.8 8.6 12.8



#81  
 Benzo(a)anthracene  
 Concen: 92.260 ng  
 RT: 14.045 min Scan# 2033  
 Delta R.T. 0.047 min  
 Lab File: BF136159.D  
 Acq: 06 Nov 2023 17:28

Tgt Ion:228 Resp: 1008408  
 Ion Ratio Lower Upper  
 228 100  
 226 30.8 21.5 32.3  
 229 21.7 15.8 23.6

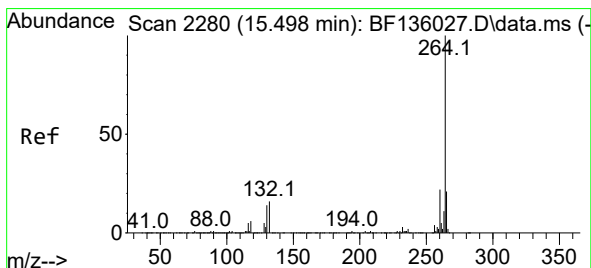
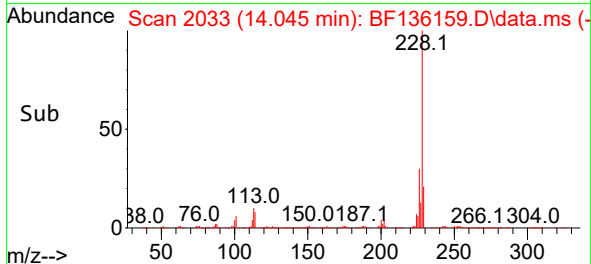
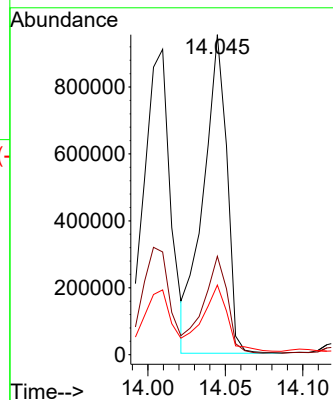
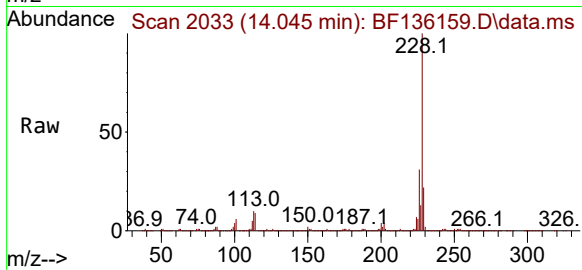




#83  
Chrysene  
Concen: 93.682 ng  
RT: 14.045 min Scan# 2032  
Delta R.T. 0.012 min  
Lab File: BF136159.D  
Acq: 06 Nov 2023 17:28

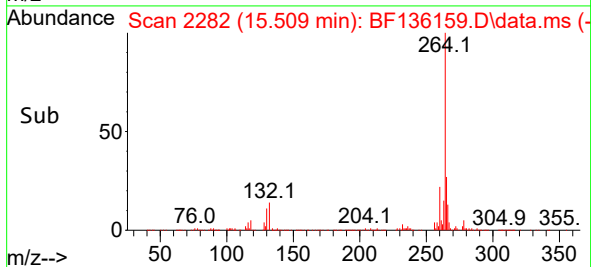
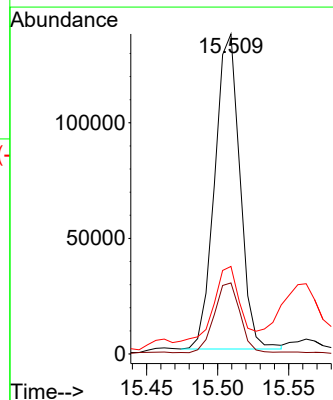
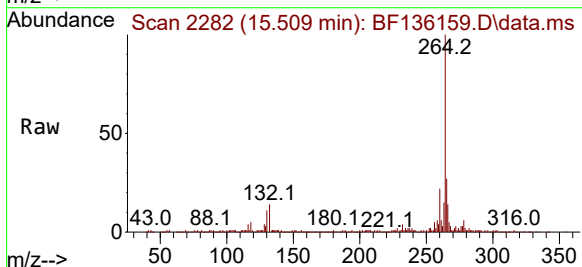
Instrument :  
BNA\_F  
ClientSampleId :  
L-6(0-5)

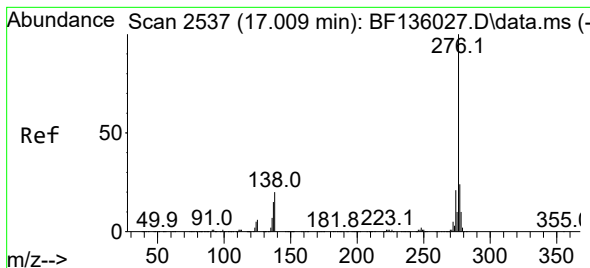
Tgt Ion:228 Resp: 1008408  
Ion Ratio Lower Upper  
228 100  
226 30.8 23.5 35.3  
229 21.7 16.0 24.0



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.509 min Scan# 2282  
Delta R.T. 0.018 min  
Lab File: BF136159.D  
Acq: 06 Nov 2023 17:28

Tgt Ion:264 Resp: 168114  
Ion Ratio Lower Upper  
264 100  
260 22.2 17.9 26.9  
265 27.4 16.8 25.2#





#87

Indeno(1,2,3-cd)pyrene

Concen: 20.379 ng

RT: 17.015 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF136159.D

Acq: 06 Nov 2023 17:28

Instrument :

BNA\_F

ClientSampleId :

L-6(0-5)

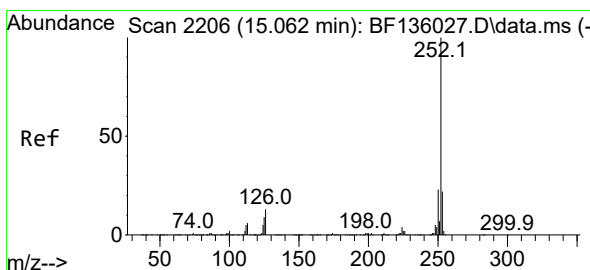
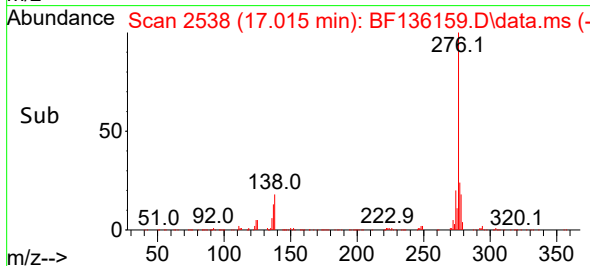
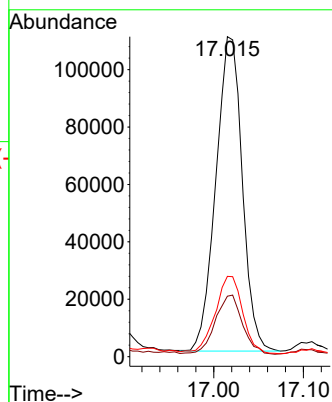
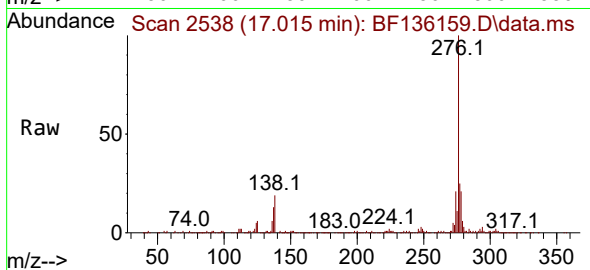
Tgt Ion:276 Resp: 223904

Ion Ratio Lower Upper

276 100

138 19.3 20.4 30.6#

277 25.6 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 92.668 ng

RT: 15.074 min Scan# 2208

Delta R.T. 0.018 min

Lab File: BF136159.D

Acq: 06 Nov 2023 17:28

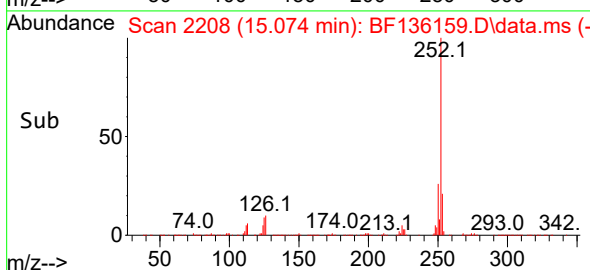
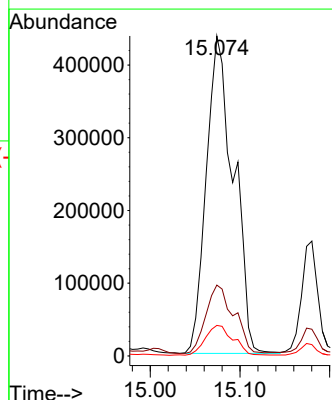
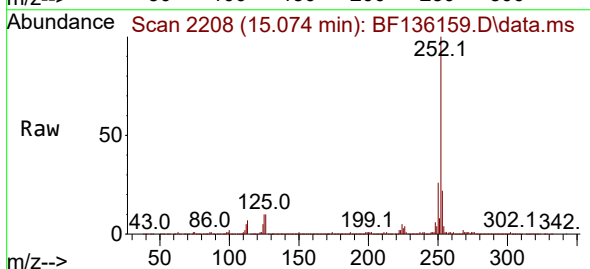
Tgt Ion:252 Resp: 921822

Ion Ratio Lower Upper

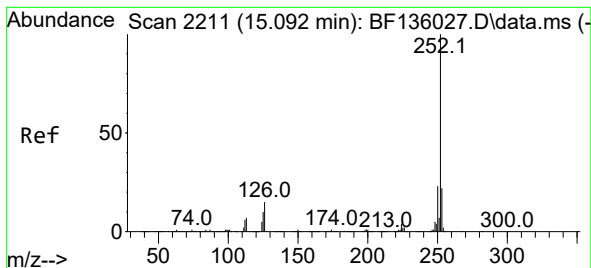
252 100

253 22.1 17.7 26.5

125 9.6 7.5 11.3







#89

Benzo(k)fluoranthene

Concen: 93.656 ng

RT: 15.074 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF136159.D

Acq: 06 Nov 2023 17:28

Instrument :

BNA\_F

ClientSampleId :

L-6(0-5)

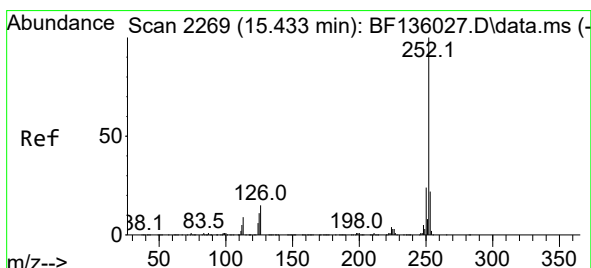
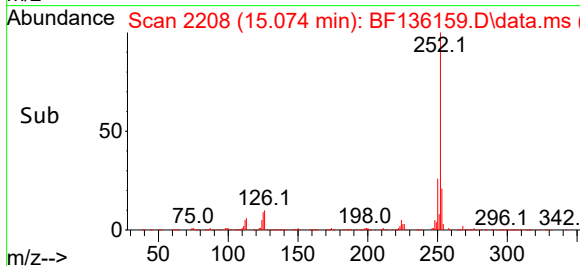
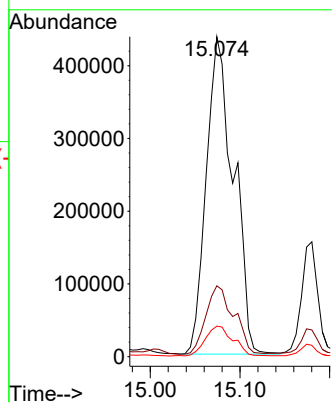
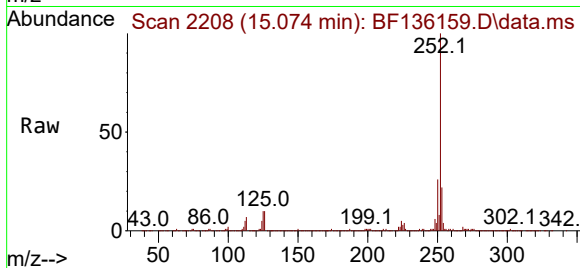
Tgt Ion:252 Resp: 921822

Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.0

125 9.6 8.0 12.0



#90

Benzo(a)pyrene

Concen: 88.627 ng

RT: 15.451 min Scan# 2272

Delta R.T. 0.018 min

Lab File: BF136159.D

Acq: 06 Nov 2023 17:28

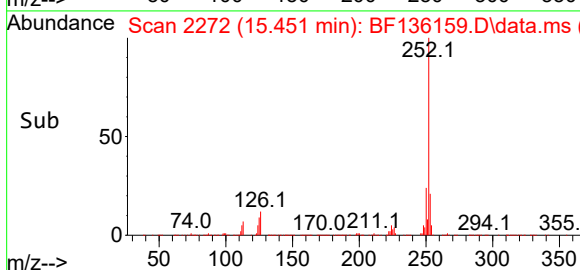
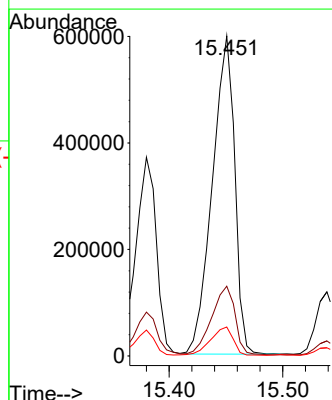
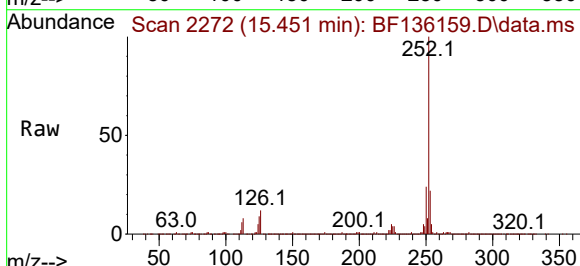
Tgt Ion:252 Resp: 819169

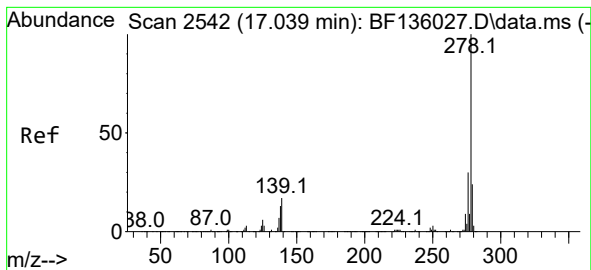
Ion Ratio Lower Upper

252 100

253 21.8 17.3 25.9

125 9.1 9.0 13.6





#91

Dibenzo(a,h)anthracene

Concen: 8.496 ng

RT: 17.033 min Scan# 2

Delta R.T. -0.006 min

Lab File: BF136159.D

Acq: 06 Nov 2023 17:28

Instrument :

BNA\_F

ClientSampleId :

L-6(0-5)

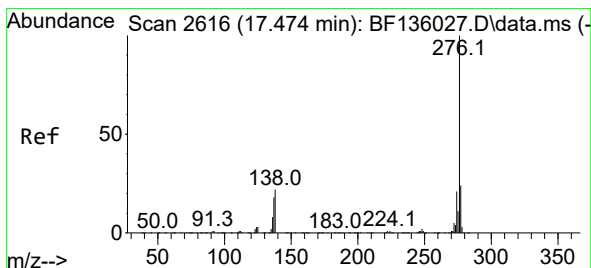
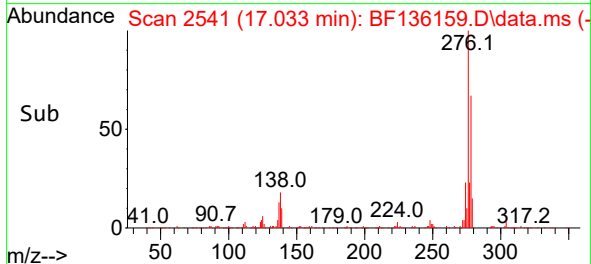
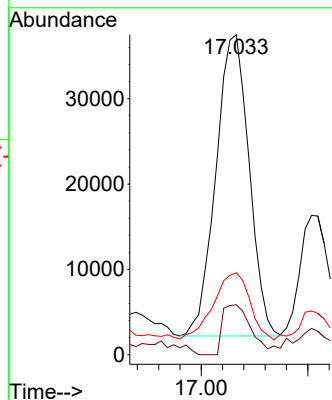
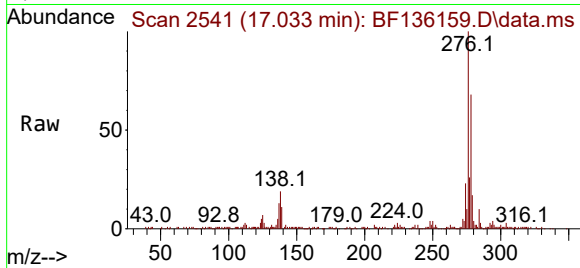
Tgt Ion:278 Resp: 76466

Ion Ratio Lower Upper

278 100

139 15.6 13.7 20.5

279 25.6 19.0 28.6



#92

Benzo(g,h,i)perylene

Concen: 25.406 ng

RT: 17.480 min Scan# 2617

Delta R.T. 0.006 min

Lab File: BF136159.D

Acq: 06 Nov 2023 17:28

Tgt Ion:276 Resp: 245467

Ion Ratio Lower Upper

276 100

277 24.3 19.0 28.4

138 17.9 17.4 26.2

