

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF103123\  
 Data File : BF136062.D  
 Acq On : 31 Oct 2023 20:41  
 Operator : CG\JU  
 Sample : 04858-01RE  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-1

Quant Time: Nov 01 00:37:36 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF103023.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Oct 31 01:13:02 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.822  | 152  | 114918   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.104  | 136  | 386818   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.863  | 164  | 172949   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.357 | 188  | 330365   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.021 | 240  | 283411   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.510 | 264  | 233526   | 20.000  | ng    | 0.01     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.451  | 112  | 618673   | 84.598  | ng    | 0.00     |
| 7) Phenol-d6                  | 6.451  | 99   | 723064   | 79.356  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.381  | 82   | 395706   | 61.668  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.651 | 330  | 158725   | 85.982  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.181  | 172  | 663402   | 61.147  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.957 | 244  | 783489   | 42.961  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.381  | 70   | 51456    | 9.884   | ng    | # 79     |
| 25) Isophorone                | 7.381  | 82   | 395696   | 32.664  | ng    | # 64     |
| 31) Naphthalene               | 8.128  | 128  | 627579   | 33.645  | ng    | 100      |
| 32) Benzoic acid              | 7.798  | 122  | 8840     | 6.876   | ng    | 88       |
| 33) 4-Chloroaniline           | 8.128  | 127  | 82527    | 10.103  | ng    | # 32     |
| 35) Caprolactam               | 8.816  | 113  | 4265     | 2.486   | ng    | # 1      |
| 37) 2-Methylnaphthalene       | 8.816  | 142  | 199910   | 15.984  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.916  | 142  | 134583   | 11.563  | ng    | 99       |
| 46) 1,1'-Biphenyl             | 9.281  | 154  | 45491    | 3.450   | ng    | 98       |
| 49) Acenaphthylene            | 9.722  | 152  | 43303    | 2.856   | ng    | # 96     |
| 50) Dimethylphthalate         | 9.863  | 163  | 35969    | 3.153   | ng    | # 1      |
| 51) 2,6-Dinitrotoluene        | 9.863  | 165  | 28928    | 11.856  | ng    | # 29     |
| 52) Acenaphthene              | 9.892  | 154  | 201099   | 20.863  | ng    | 98       |
| 55) Dibenzofuran              | 10.069 | 168  | 225010   | 16.009  | ng    | 98       |
| 56) 4-Nitrophenol             | 10.069 | 139  | 84635    | 39.743  | ng    | # 16     |
| 58) Fluorene                  | 10.410 | 166  | 312789   | 29.724  | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 10.645 | 198  | 405      | 5.987   | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.651 | 248  | 9755     | 2.816   | ng    | # 1      |
| 71) Phenanthrene              | 11.386 | 178  | 1833187  | 110.207 | ng    | 99       |
| 72) Anthracene                | 11.433 | 178  | 647918   | 38.013  | ng    | 99       |
| 73) Carbazole                 | 11.586 | 167  | 191557   | 12.933  | ng    | 100      |
| 75) Fluoranthene              | 12.586 | 202  | 2014958  | 117.915 | ng    | 99       |
| 78) Pyrene                    | 12.816 | 202  | 1767619  | 70.742  | ng    | 99       |
| 81) Benzo(a)anthracene        | 14.010 | 228  | 1022986  | 54.523  | ng    | 98       |
| 83) Chrysene                  | 14.045 | 228  | 874518   | 47.328  | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.021 | 276  | 283120   | 18.550  | ng    | 95       |
| 88) Benzo(b)fluoranthene      | 15.074 | 252  | 1136573  | 82.252  | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 15.074 | 252  | 1136573  | 83.130  | ng    | 98       |
| 90) Benzo(a)pyrene            | 15.445 | 252  | 567171   | 44.175  | ng    | 97       |
| 91) Dibenzo(a,h)anthracene    | 17.209 | 278  | 70095    | 5.607   | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 17.486 | 276  | 244192   | 19.016  | ng    | 97       |

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

BNA F

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**ClientSampleId :**

WC-1

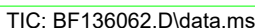
Quant Time: Nov 01 00:37:36 2023

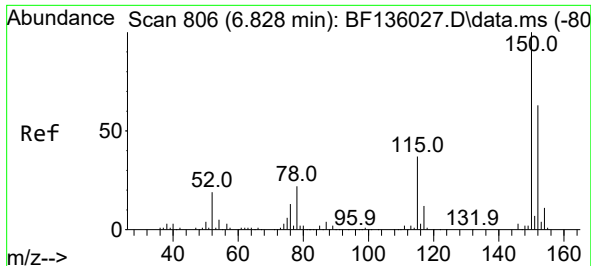
Quant Method : Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF103023.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Oct 31 01:13:02 2023

Response via : Initial Calibration

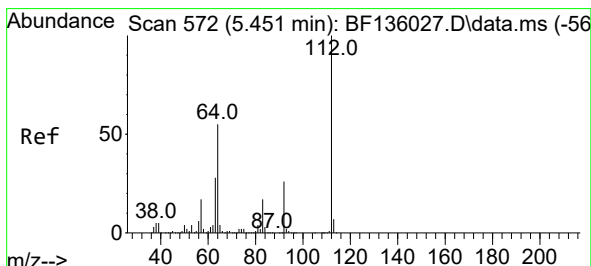
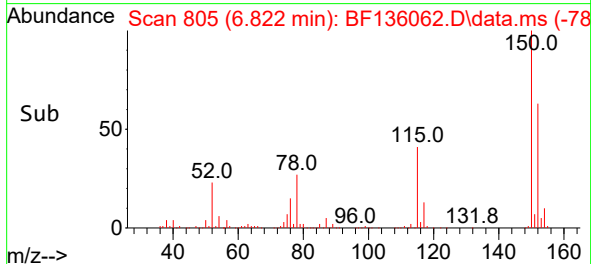
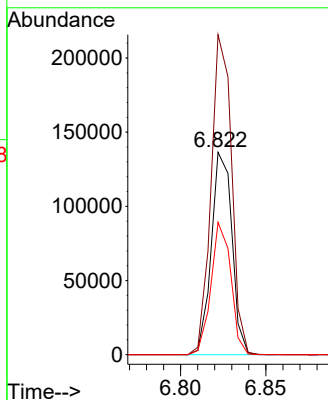
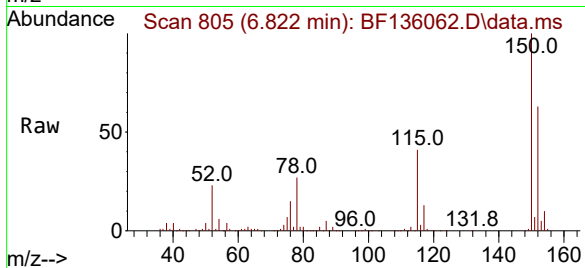




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.822 min Scan# 806  
Delta R.T. -0.006 min  
Lab File: BF136062.D  
Acq: 31 Oct 2023 20:41

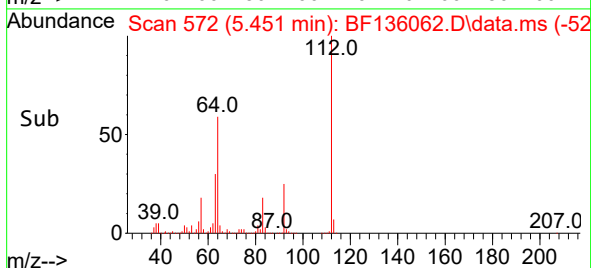
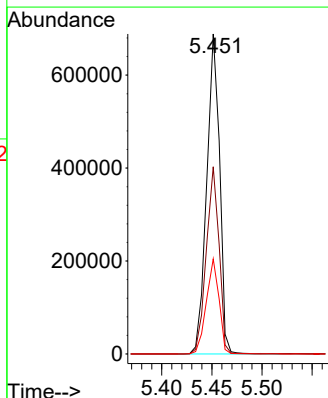
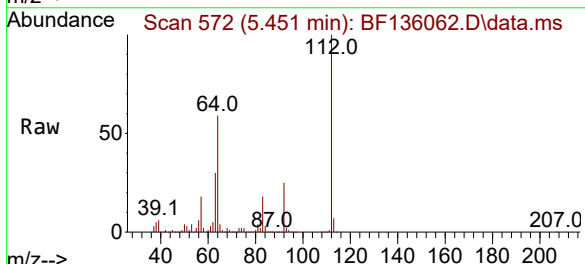
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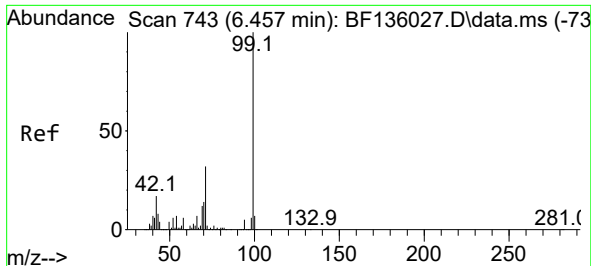
Tgt Ion:152 Resp: 114918  
Ion Ratio Lower Upper  
152 100  
150 158.0 126.4 189.6  
115 65.3 47.0 70.4



#5  
2-Fluorophenol  
Concen: 84.598 ng  
RT: 5.451 min Scan# 572  
Delta R.T. 0.000 min  
Lab File: BF136062.D  
Acq: 31 Oct 2023 20:41

Tgt Ion:112 Resp: 618673  
Ion Ratio Lower Upper  
112 100  
64 58.5 43.9 65.9  
63 29.7 22.4 33.6

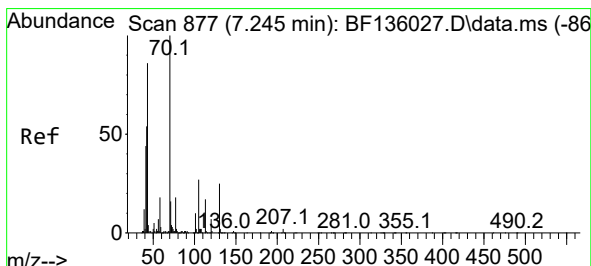
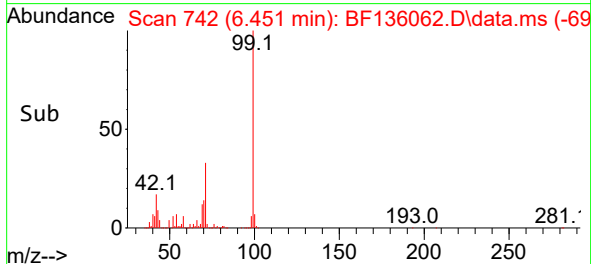
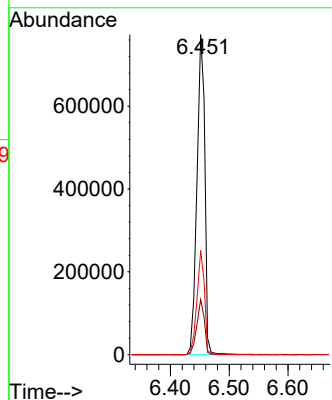
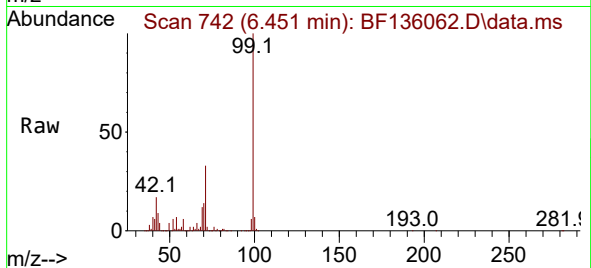




#7  
Phenol-d6  
Concen: 79.356 ng  
RT: 6.451 min Scan# 743  
Delta R.T. -0.006 min  
Lab File: BF136062.D  
Acq: 31 Oct 2023 20:41

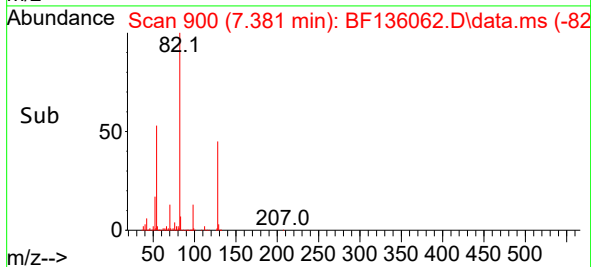
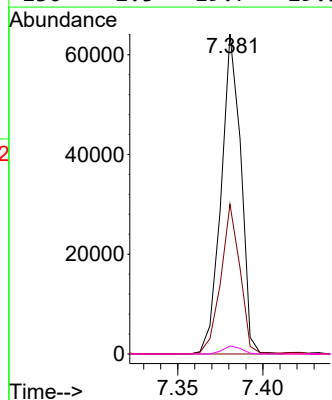
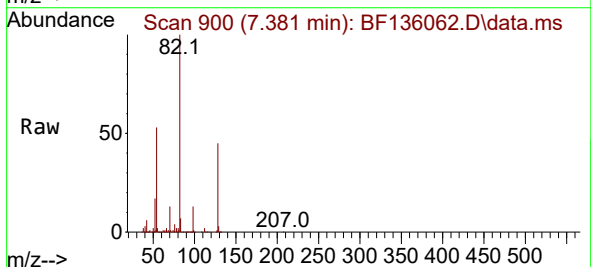
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ClientSampleId :  
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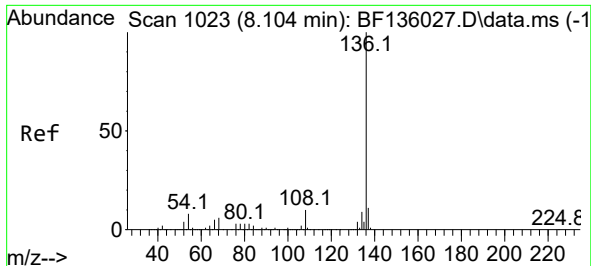
Tgt Ion: 99 Resp: 723064  
Ion Ratio Lower Upper  
99 100  
42 17.2 13.7 20.5  
71 32.6 25.9 38.9



#19  
n-Nitroso-di-n-propylamine  
Concen: 9.884 ng  
RT: 7.381 min Scan# 900  
Delta R.T. 0.135 min  
Lab File: BF136062.D  
Acq: 31 Oct 2023 20:41

Tgt Ion: 70 Resp: 51456  
Ion Ratio Lower Upper  
70 100  
42 46.8 43.0 64.4  
101 0.0 8.0 12.0#  
130 2.5 19.7 29.5#

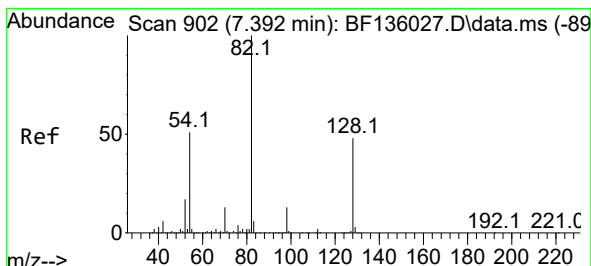
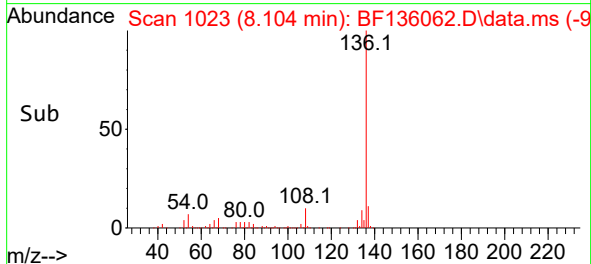
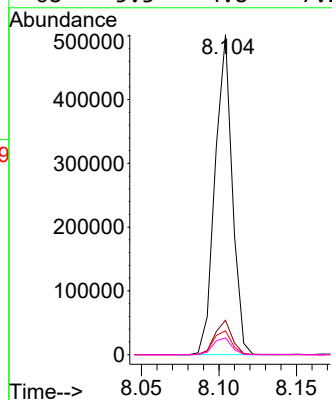
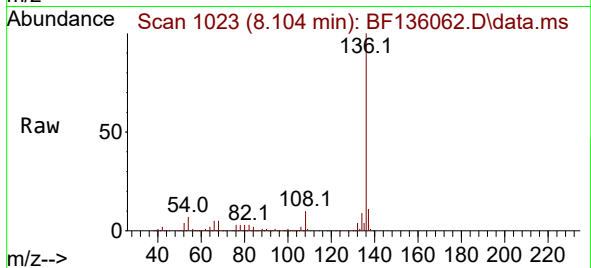




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.104 min Scan# 1023  
Delta R.T. 0.000 min  
Lab File: BF136062.D  
Acq: 31 Oct 2023 20:41

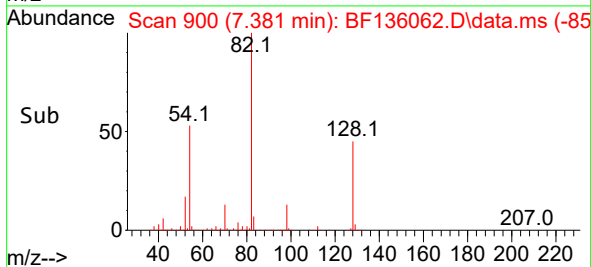
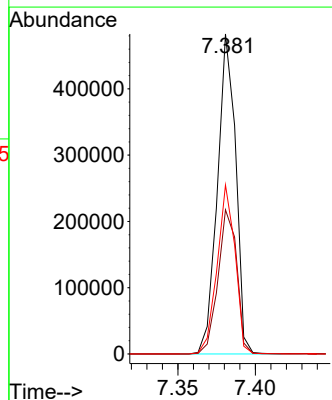
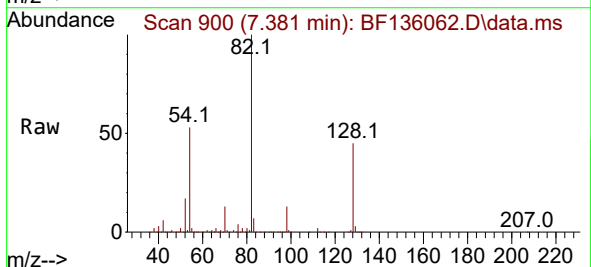
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ClientSampleId :  
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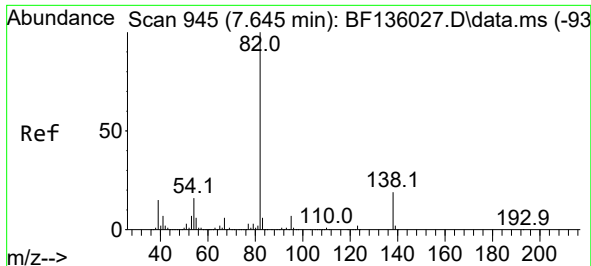
|             |              |
|-------------|--------------|
| Tgt Ion:136 | Resp: 386818 |
| Ion Ratio   | Lower Upper  |
| 136 100     |              |
| 137 10.8    | 8.6 13.0     |
| 54 7.4      | 6.6 9.8      |
| 68 5.3      | 4.8 7.2      |



#23  
Nitrobenzene-d5  
Concen: 61.668 ng  
RT: 7.381 min Scan# 900  
Delta R.T. -0.012 min  
Lab File: BF136062.D  
Acq: 31 Oct 2023 20:41

|             |              |
|-------------|--------------|
| Tgt Ion: 82 | Resp: 395706 |
| Ion Ratio   | Lower Upper  |
| 82 100      |              |
| 128 45.1    | 38.6 57.8    |
| 54 52.8     | 40.8 61.2    |

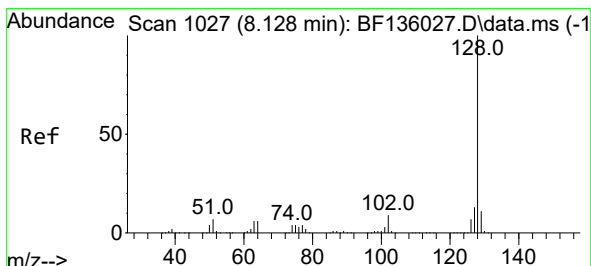
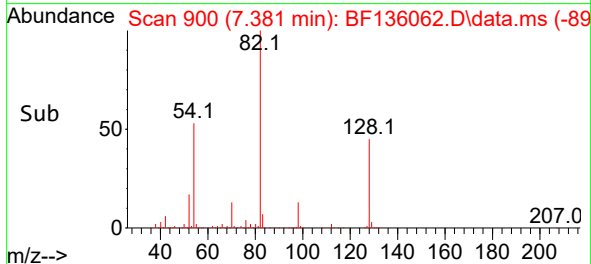
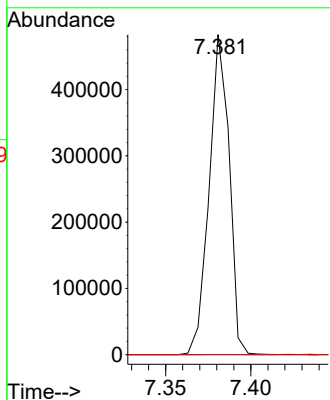
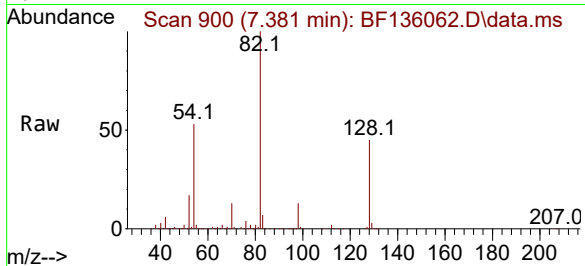




#25  
Isophorone  
Concen: 32.664 ng  
RT: 7.381 min Scan# 900  
Delta R.T. -0.264 min  
Lab File: BF136062.D  
Acq: 31 Oct 2023 20:41

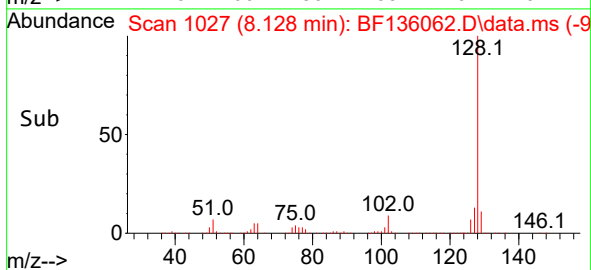
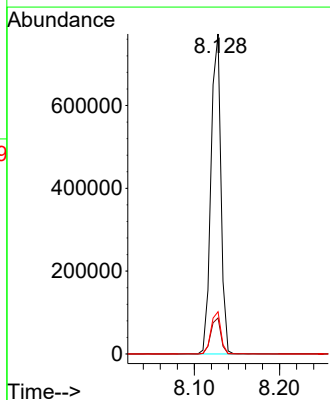
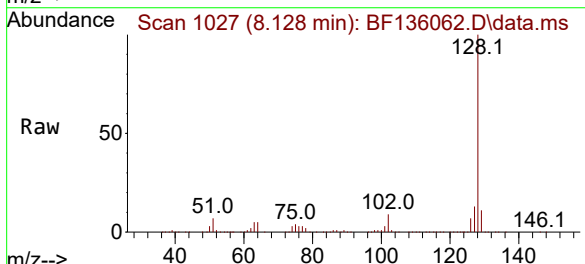
Instrument :  
BNA\_F  
ClientSampleId :  
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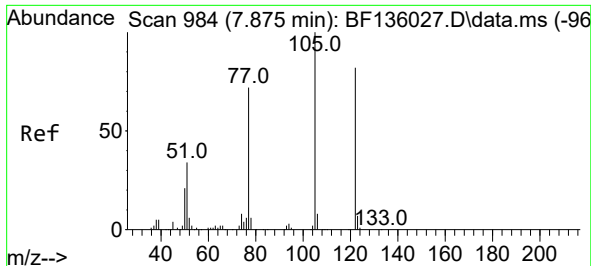
Tgt Ion: 82 Resp: 395696  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.9 8.9#  
138 0.0 15.3 22.9#



#31  
Naphthalene  
Concen: 33.645 ng  
RT: 8.128 min Scan# 1027  
Delta R.T. 0.000 min  
Lab File: BF136062.D  
Acq: 31 Oct 2023 20:41

Tgt Ion: 128 Resp: 627579  
Ion Ratio Lower Upper  
128 100  
129 11.2 8.9 13.3  
127 13.2 10.5 15.7

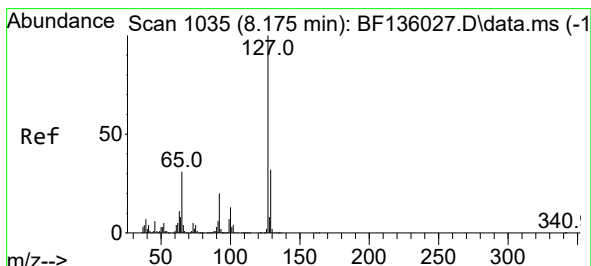
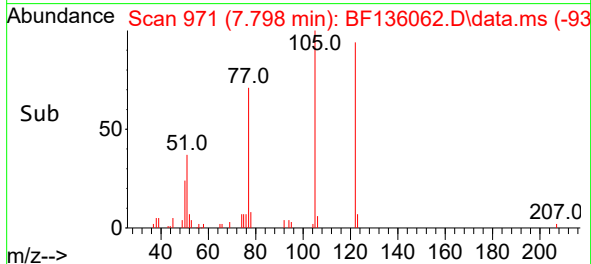
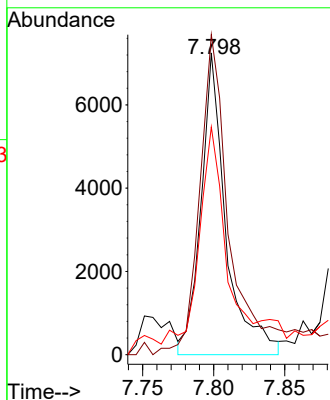
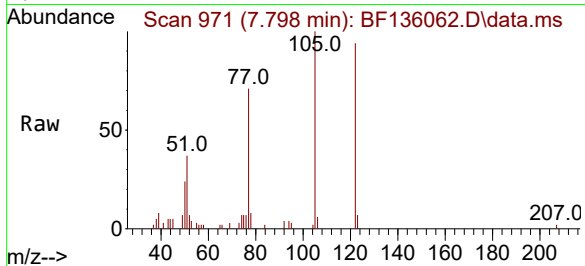




#32  
Benzoic acid  
Concen: 6.876 ng  
RT: 7.798 min Scan# 91  
Delta R.T. -0.077 min  
Lab File: BF136062.D  
Acq: 31 Oct 2023 20:41

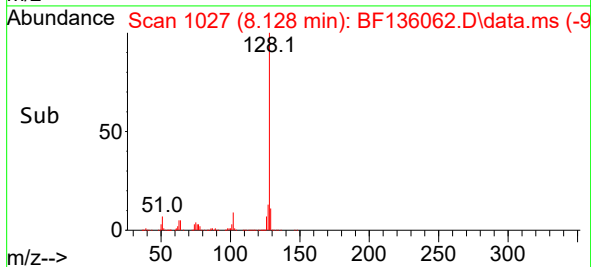
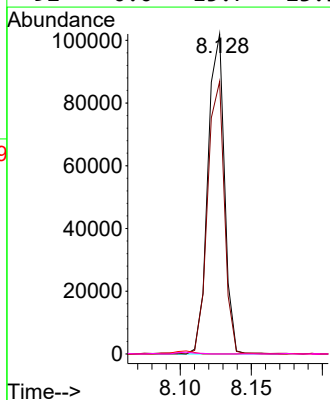
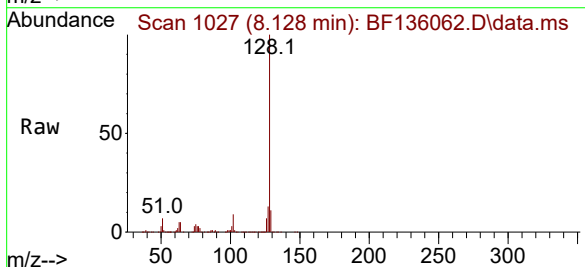
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ClientSampleId :  
WC-1

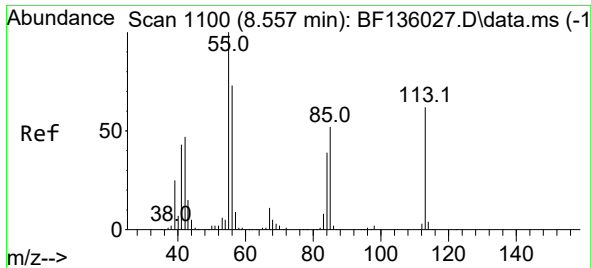
Tgt Ion:122 Resp: 8840  
Ion Ratio Lower Upper  
122 100  
105 106.0 99.5 139.5  
77 75.4 66.8 106.8



#33  
4-Chloroaniline  
Concen: 10.103 ng  
RT: 8.128 min Scan# 1027  
Delta R.T. -0.047 min  
Lab File: BF136062.D  
Acq: 31 Oct 2023 20:41

Tgt Ion:127 Resp: 82527  
Ion Ratio Lower Upper  
127 100  
129 85.1 25.9 38.9#  
65 0.0 24.6 37.0#  
92 0.0 15.7 23.5#

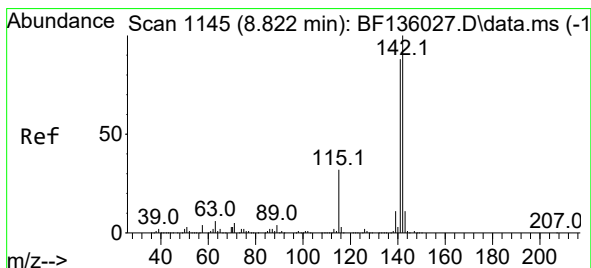
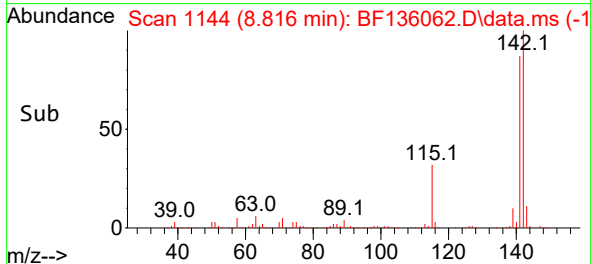
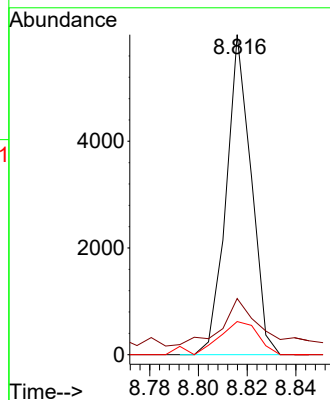
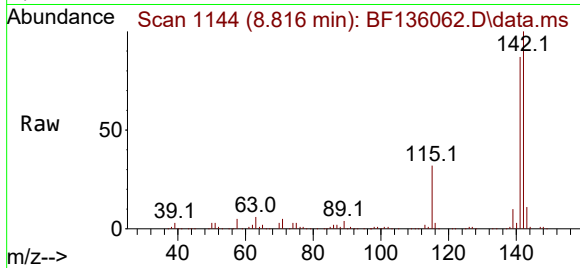




#35  
 Caprolactam  
 Concen: 2.486 ng  
 RT: 8.816 min Scan# 1144  
 Delta R.T. 0.259 min  
 Lab File: BF136062.D  
 Acq: 31 Oct 2023 20:41

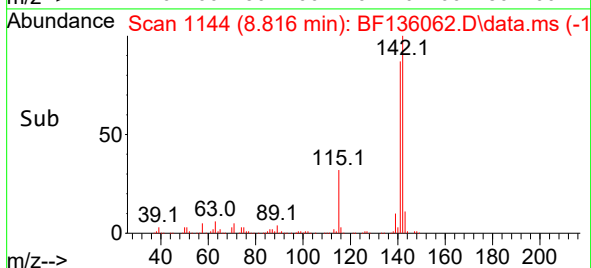
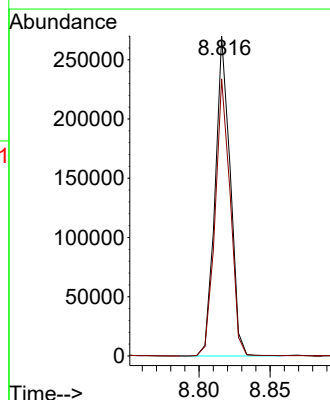
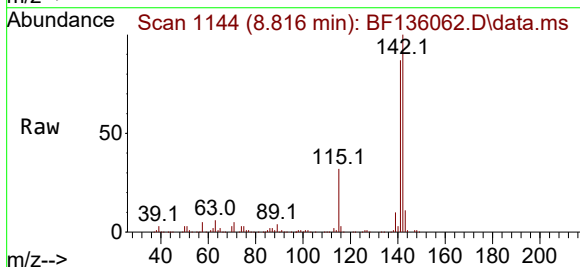
Instrument :  
 BNA\_F  
 ClientSampleId :  
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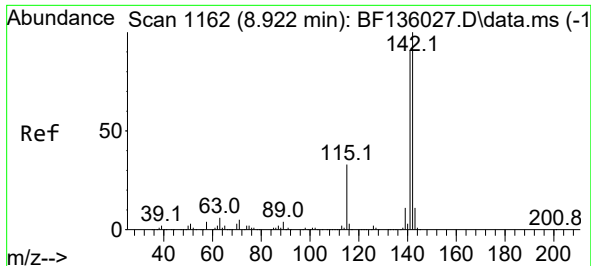
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 Ion Ratio Lower Upper  
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 55 17.6 142.2 182.2#  
 56 10.4 97.7 137.7#



#37  
 2-Methylnaphthalene  
 Concen: 15.984 ng  
 RT: 8.816 min Scan# 1144  
 Delta R.T. -0.006 min  
 Lab File: BF136062.D  
 Acq: 31 Oct 2023 20:41

Tgt Ion:142 Resp: 199910  
 Ion Ratio Lower Upper  
 142 100  
 141 86.6 70.4 105.6





#38

1-Methylnaphthalene

Concen: 11.563 ng

RT: 8.916 min Scan# 1161

Delta R.T. -0.006 min

Lab File: BF136062.D

Acq: 31 Oct 2023 20:41

Instrument :

BNA\_F

ClientSampleId :

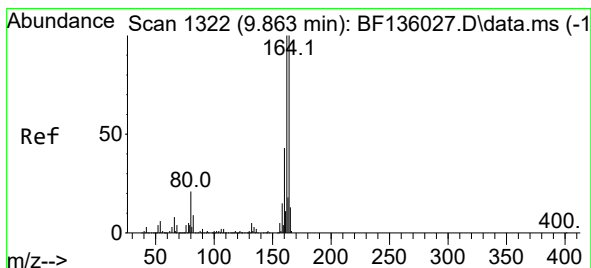
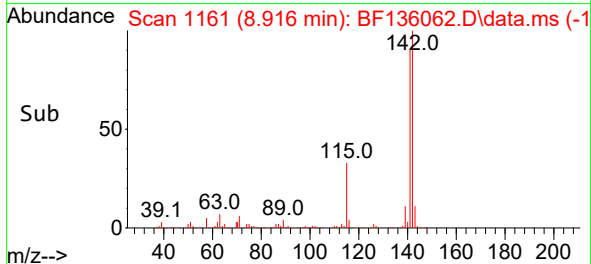
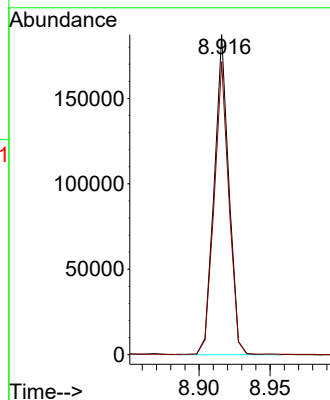
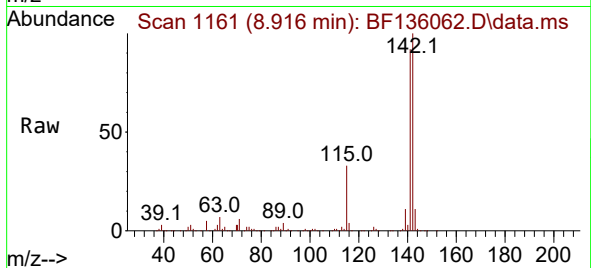
WC-1

Tgt Ion:142 Resp: 134583

Ion Ratio Lower Upper

142 100

141 91.5 72.6 109.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.863 min Scan# 1322

Delta R.T. -0.000 min

Lab File: BF136062.D

Acq: 31 Oct 2023 20:41

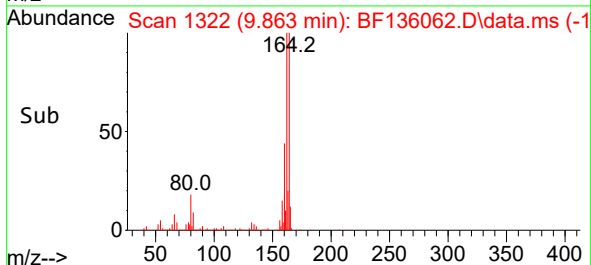
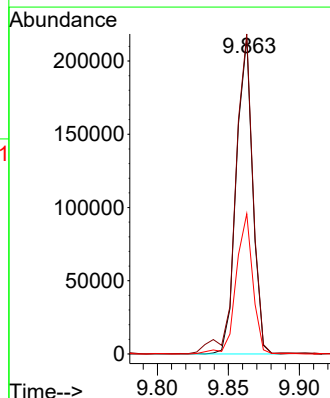
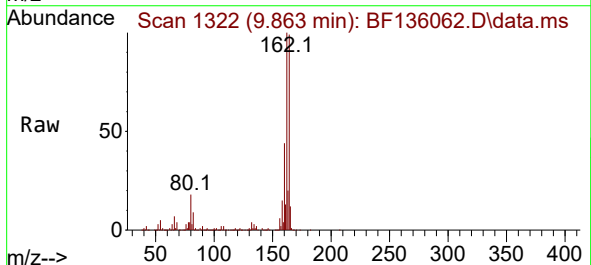
Tgt Ion:164 Resp: 172949

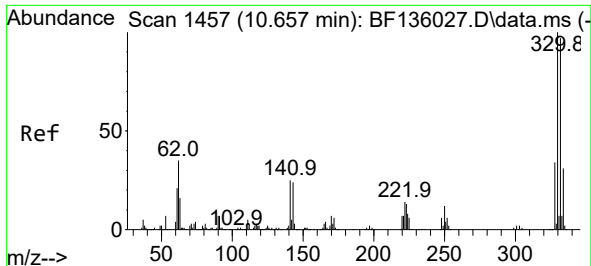
Ion Ratio Lower Upper

164 100

162 101.2 80.1 120.1

160 44.3 34.8 52.2

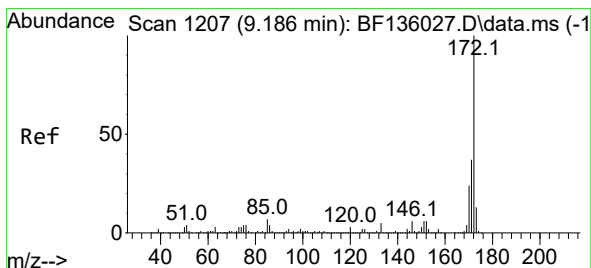
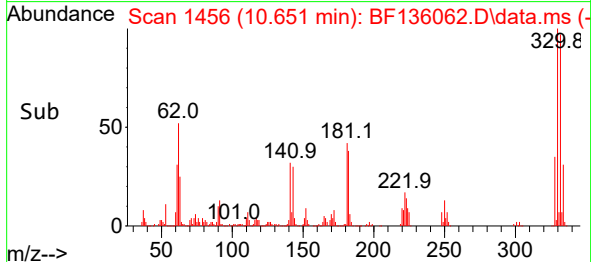
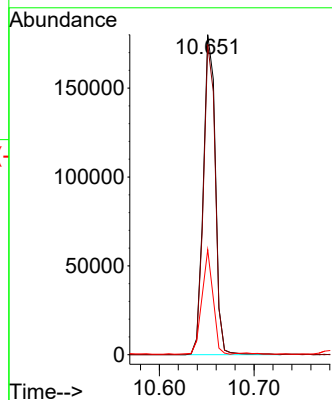
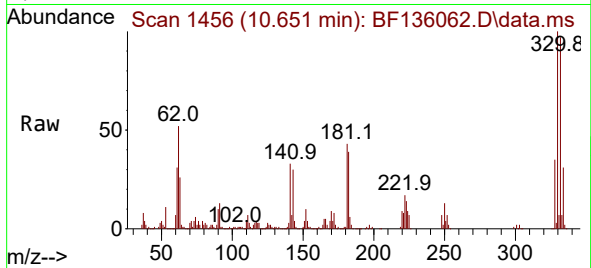




#42  
2,4,6-Tribromophenol  
Concen: 85.982 ng  
RT: 10.651 min Scan# 1456  
Delta R.T. -0.006 min  
Lab File: BF136062.D  
Acq: 31 Oct 2023 20:41

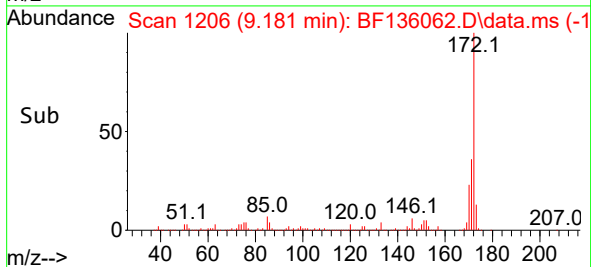
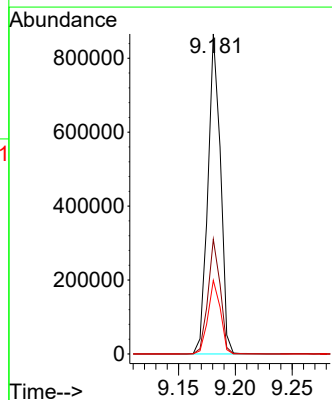
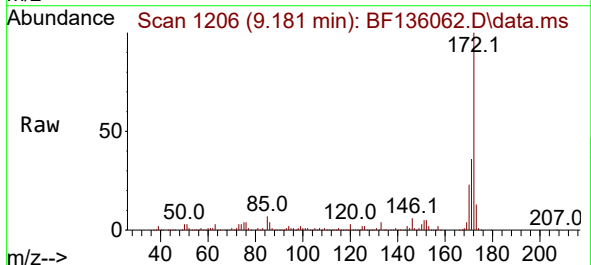
Instrument :  
BNA\_F  
ClientSampleId :  
WC-1

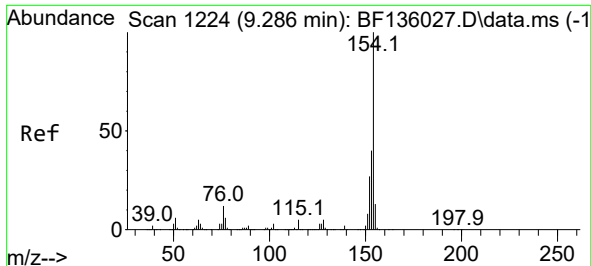
Tgt Ion:330 Resp: 158725  
Ion Ratio Lower Upper  
330 100  
332 96.4 76.9 115.3  
141 30.0 23.2 34.8



#45  
2-Fluorobiphenyl  
Concen: 61.147 ng  
RT: 9.181 min Scan# 1206  
Delta R.T. -0.006 min  
Lab File: BF136062.D  
Acq: 31 Oct 2023 20:41

Tgt Ion:172 Resp: 663402  
Ion Ratio Lower Upper  
172 100  
171 35.9 29.4 44.0  
170 23.0 19.3 28.9

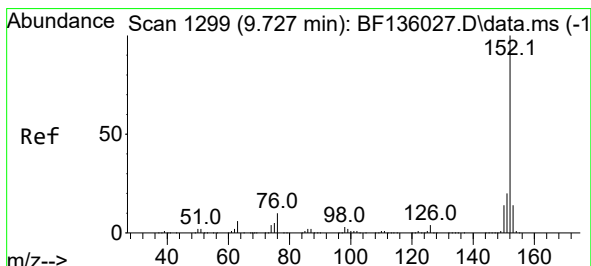
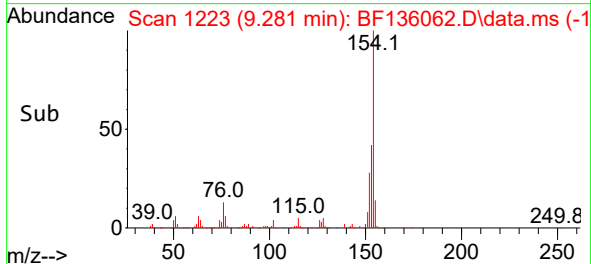
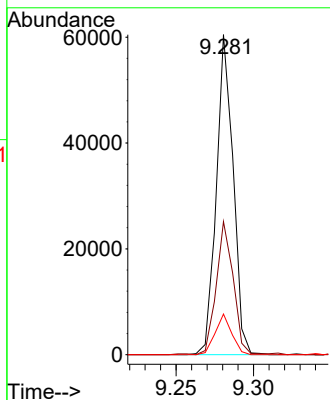
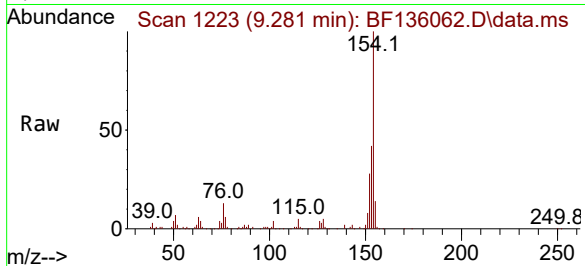




#46  
1,1'-Biphenyl  
Concen: 3.450 ng  
RT: 9.281 min Scan# 1223  
Delta R.T. -0.006 min  
Lab File: BF136062.D  
Acq: 31 Oct 2023 20:41

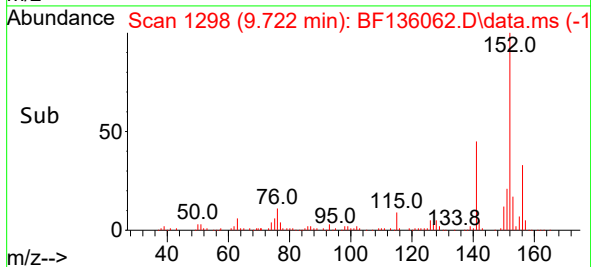
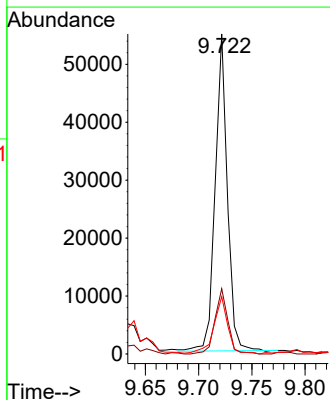
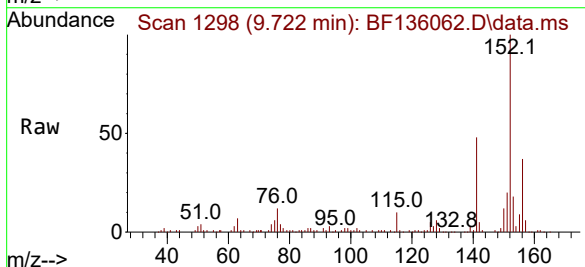
Instrument :  
BNA\_F  
ClientSampleId :  
WC-1

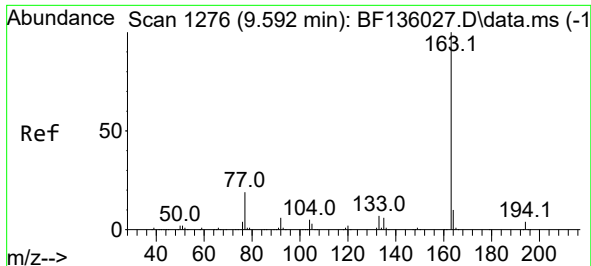
Tgt Ion:154 Resp: 45491  
Ion Ratio Lower Upper  
154 100  
153 41.6 20.1 60.1  
76 12.7 0.0 32.5



#49  
Acenaphthylene  
Concen: 2.856 ng  
RT: 9.722 min Scan# 1298  
Delta R.T. -0.006 min  
Lab File: BF136062.D  
Acq: 31 Oct 2023 20:41

Tgt Ion:152 Resp: 43303  
Ion Ratio Lower Upper  
152 100  
151 20.4 16.1 24.1  
153 17.9 11.4 17.2#

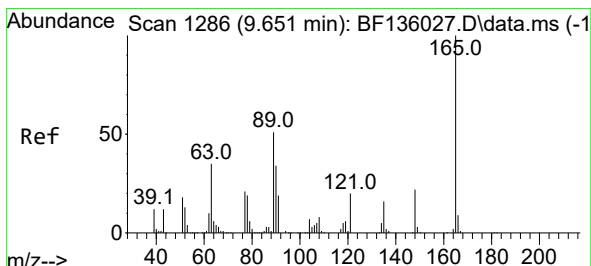
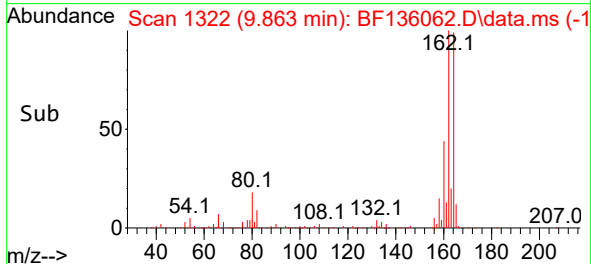
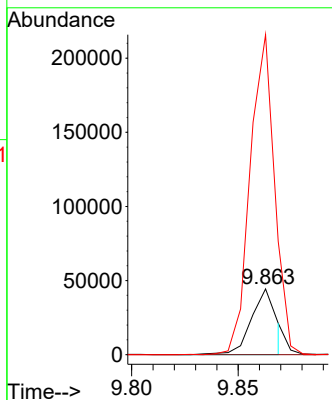
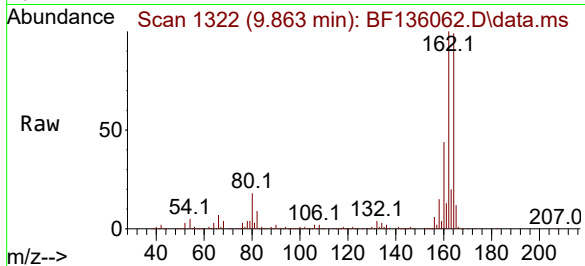




#50  
Dimethylphthalate  
Concen: 3.153 ng  
RT: 9.863 min Scan# 1322  
Delta R.T. 0.271 min  
Lab File: BF136062.D  
Acq: 31 Oct 2023 20:41

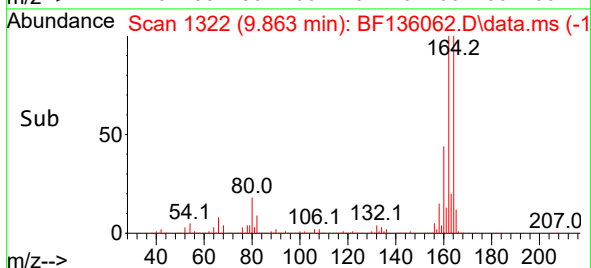
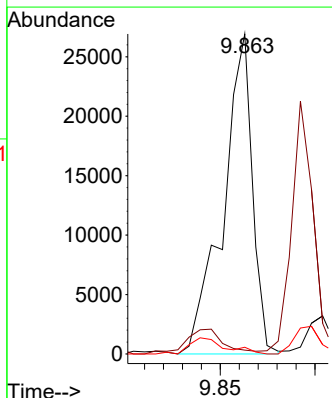
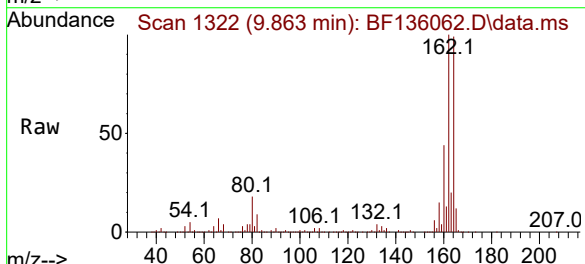
Instrument :  
BNA\_F  
ClientSampleId :  
WC-1

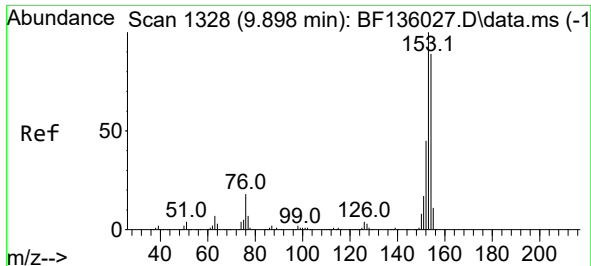
Tgt Ion:163 Resp: 35969  
Ion Ratio Lower Upper  
163 100  
194 0.0 3.2 4.8#  
164 486.8 8.1 12.1#



#51  
2,6-Dinitrotoluene  
Concen: 11.856 ng  
RT: 9.863 min Scan# 1322  
Delta R.T. 0.212 min  
Lab File: BF136062.D  
Acq: 31 Oct 2023 20:41

Tgt Ion:165 Resp: 28928  
Ion Ratio Lower Upper  
165 100  
63 1.2 40.8 61.2#  
89 2.1 41.1 61.7#

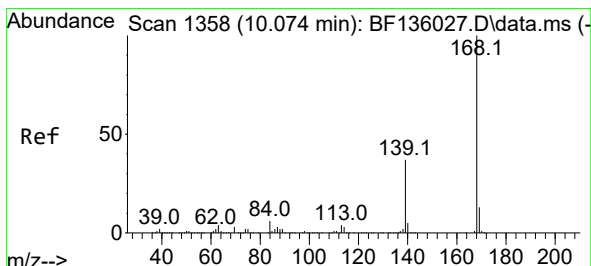
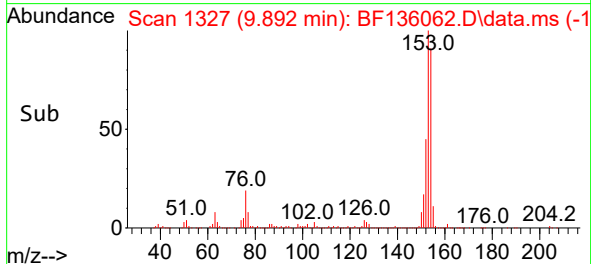
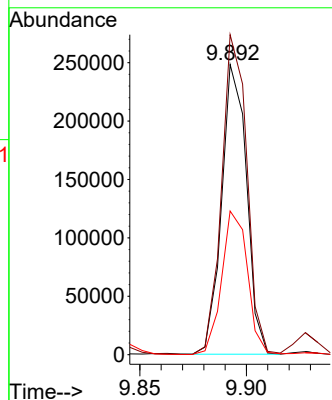
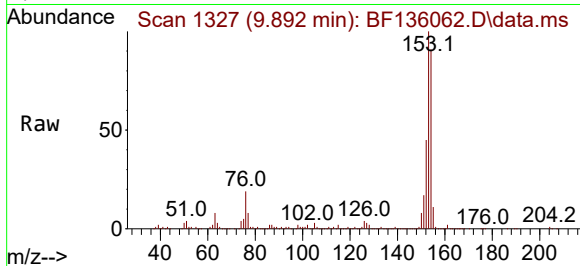




#52  
Acenaphthene  
Concen: 20.863 ng  
RT: 9.892 min Scan# 1327  
Delta R.T. -0.006 min  
Lab File: BF136062.D  
Acq: 31 Oct 2023 20:41

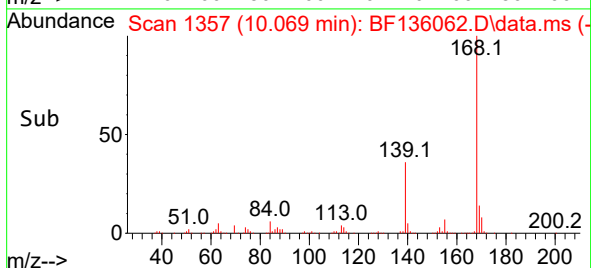
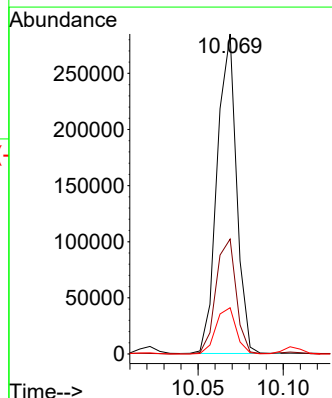
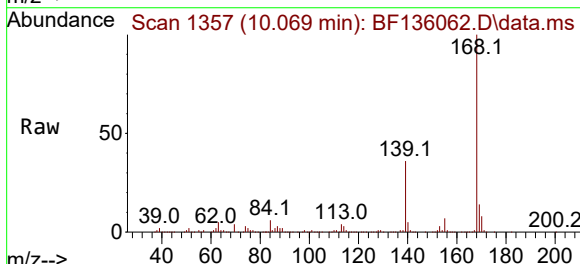
Instrument :  
BNA\_F  
ClientSampleId :  
WC-1

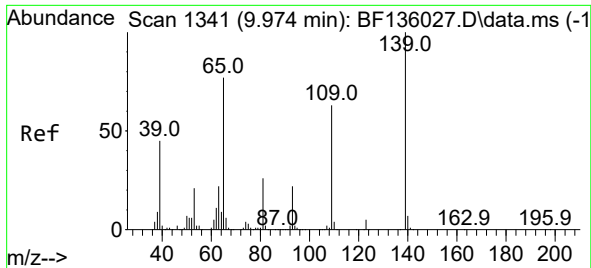
Tgt Ion:154 Resp: 201099  
Ion Ratio Lower Upper  
154 100  
153 110.3 89.9 134.9  
152 49.5 40.2 60.2



#55  
Dibenzofuran  
Concen: 16.009 ng  
RT: 10.069 min Scan# 1357  
Delta R.T. -0.006 min  
Lab File: BF136062.D  
Acq: 31 Oct 2023 20:41

Tgt Ion:168 Resp: 225010  
Ion Ratio Lower Upper  
168 100  
139 35.9 29.4 44.0  
169 14.5 10.5 15.7

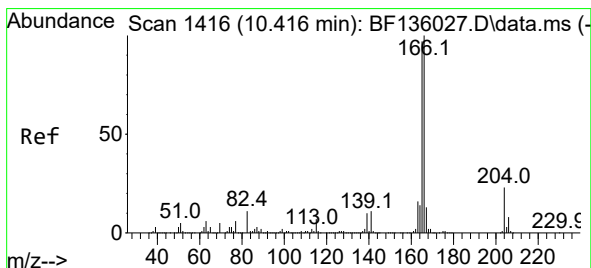
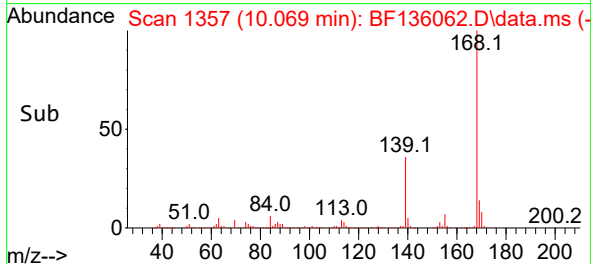
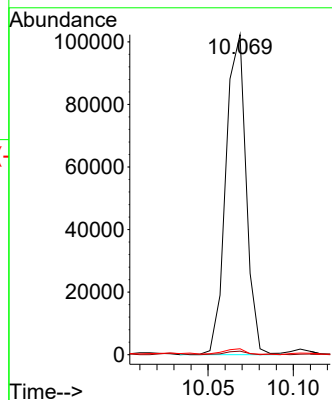
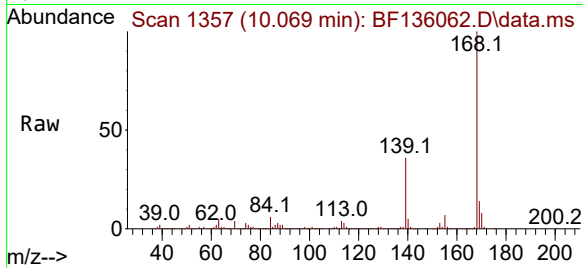




#56  
4-Nitrophenol  
Concen: 39.743 ng  
RT: 10.069 min Scan# 11  
Delta R.T. 0.094 min  
Lab File: BF136062.D  
Acq: 31 Oct 2023 20:41

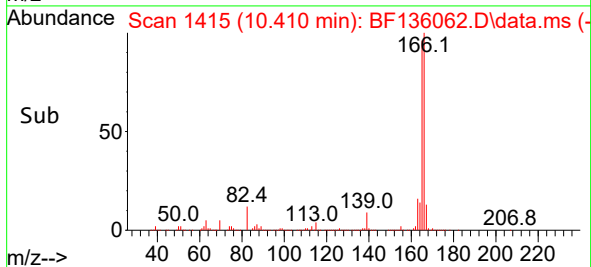
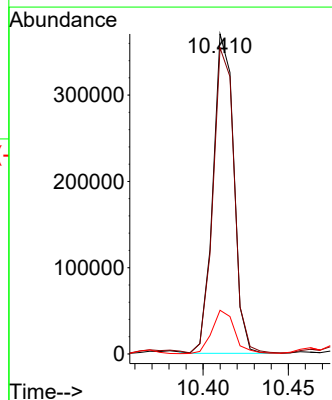
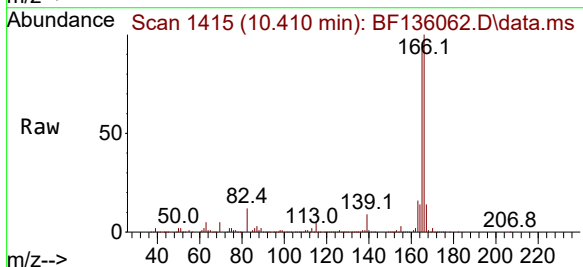
Instrument :  
BNA\_F  
ClientSampleId :  
WC-1

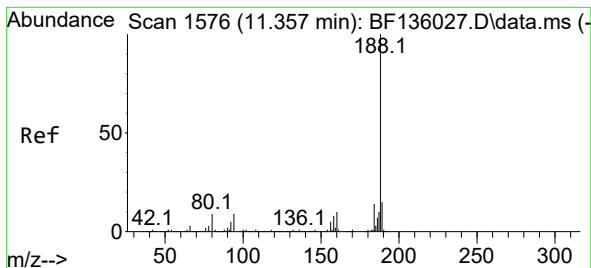
Tgt Ion:139 Resp: 84635  
Ion Ratio Lower Upper  
139 100  
109 1.1 43.2 83.2#  
65 1.8 57.6 97.6#



#58  
Fluorene  
Concen: 29.724 ng  
RT: 10.410 min Scan# 1415  
Delta R.T. -0.006 min  
Lab File: BF136062.D  
Acq: 31 Oct 2023 20:41

Tgt Ion:166 Resp: 312789  
Ion Ratio Lower Upper  
166 100  
165 95.7 77.7 116.5  
167 13.6 10.6 16.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.357 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF136062.D

Acq: 31 Oct 2023 20:41

Instrument :

BNA\_F

ClientSampleId :

WC-1

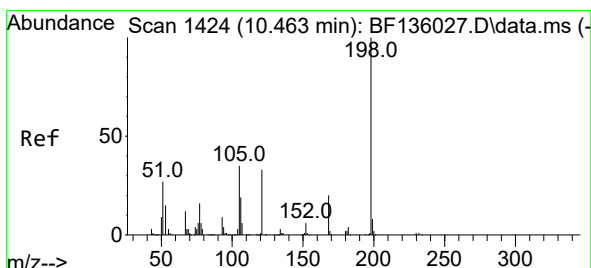
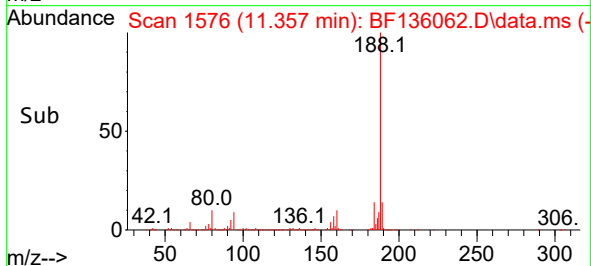
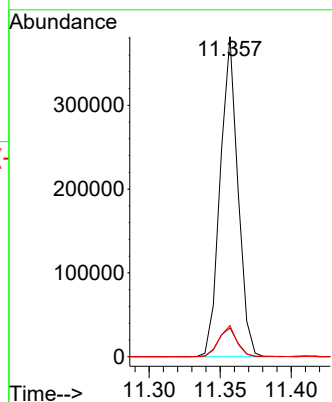
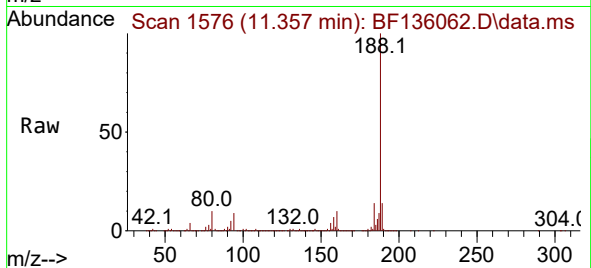
Tgt Ion:188 Resp: 330365

Ion Ratio Lower Upper

188 100

94 9.0 7.2 10.8

80 9.8 7.4 11.0



#65

4,6-Dinitro-2-methylphenol

Concen: 5.987 ng

RT: 10.645 min Scan# 1455

Delta R.T. 0.182 min

Lab File: BF136062.D

Acq: 31 Oct 2023 20:41

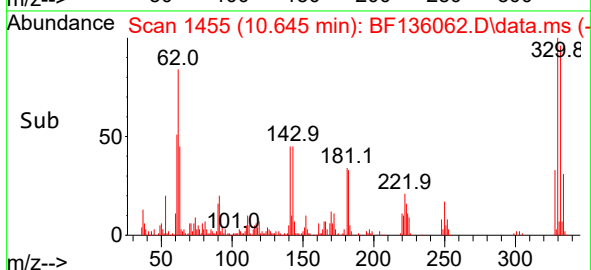
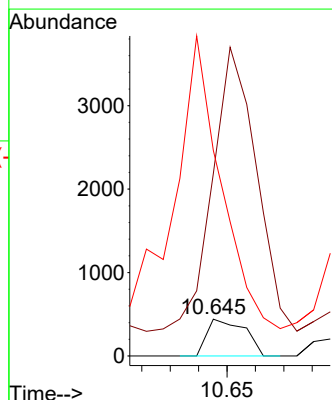
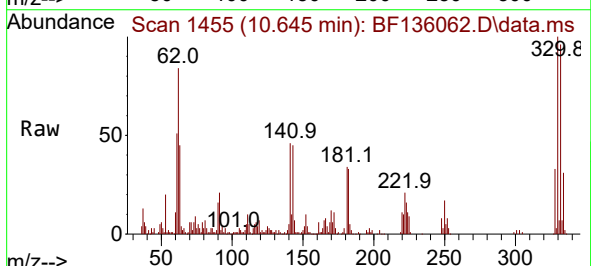
Tgt Ion:198 Resp: 405

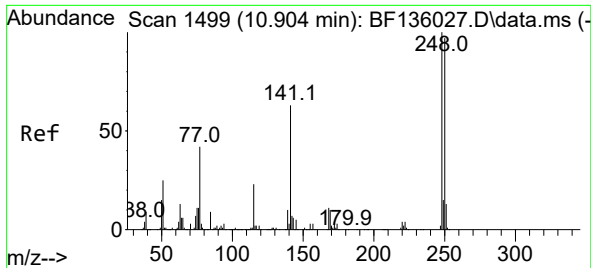
Ion Ratio Lower Upper

198 100

51 494.1 12.9 52.9#

105 557.5 16.0 56.0#

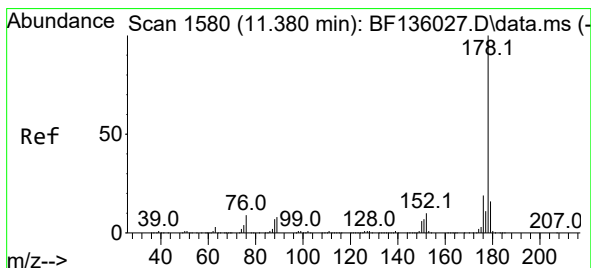
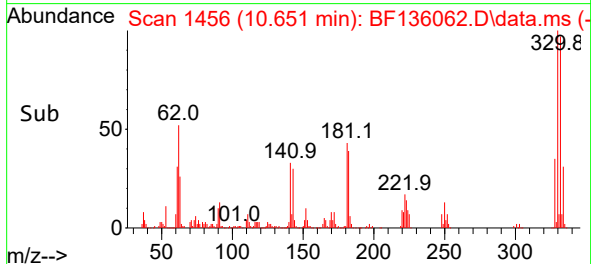
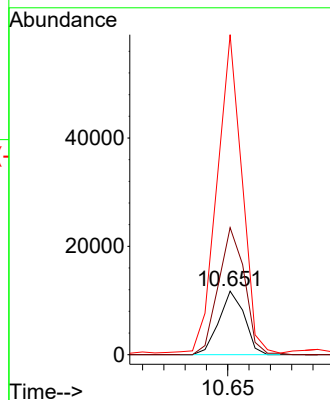
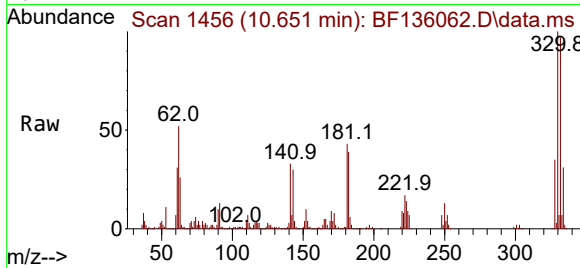




#67  
4-Bromophenyl-phenylether  
Concen: 2.816 ng  
RT: 10.651 min Scan# 1456  
Delta R.T. -0.253 min  
Lab File: BF136062.D  
Acq: 31 Oct 2023 20:41

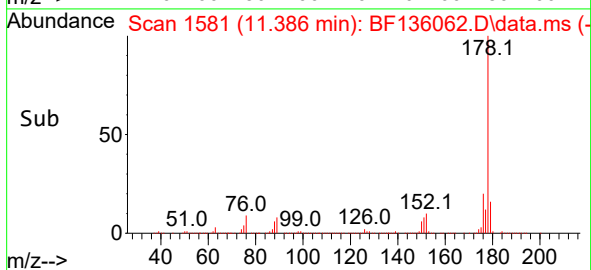
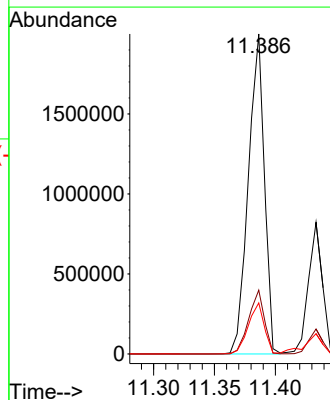
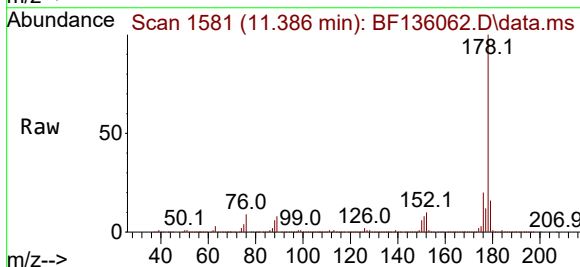
Instrument :  
BNA\_F  
ClientSampleId :  
WC-1

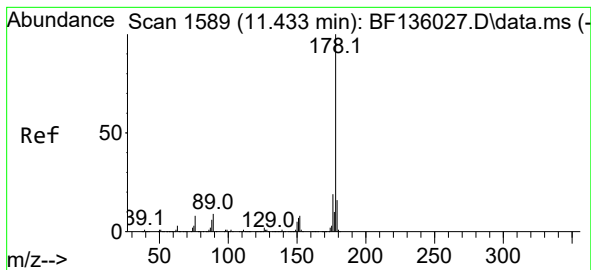
Tgt Ion:248 Resp: 9755  
Ion Ratio Lower Upper  
248 100  
250 199.9 77.6 116.4#  
141 503.7 50.4 75.6#



#71  
Phenanthrene  
Concen: 110.207 ng  
RT: 11.386 min Scan# 1581  
Delta R.T. 0.006 min  
Lab File: BF136062.D  
Acq: 31 Oct 2023 20:41

Tgt Ion:178 Resp: 1833187  
Ion Ratio Lower Upper  
178 100  
176 19.9 15.5 23.3  
179 16.0 12.9 19.3





#72

Anthracene

Concen: 38.013 ng

RT: 11.433 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF136062.D

Acq: 31 Oct 2023 20:41

Instrument :

BNA\_F

ClientSampleId :

WC-1

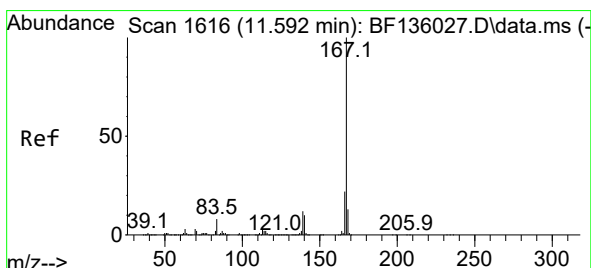
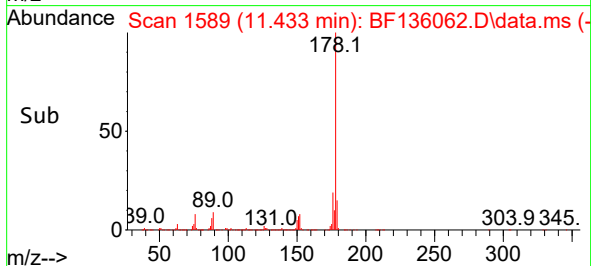
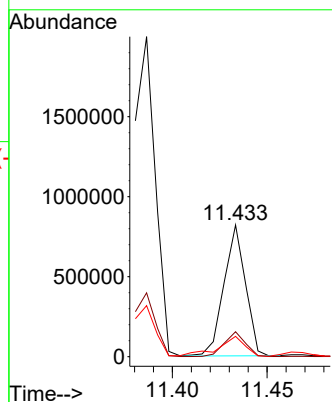
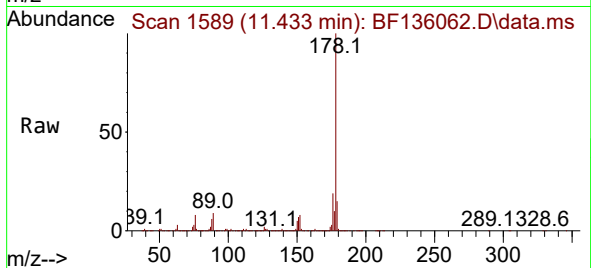
Tgt Ion:178 Resp: 647918

Ion Ratio Lower Upper

178 100

176 18.9 15.0 22.4

179 15.5 12.6 18.8



#73

Carbazole

Concen: 12.933 ng

RT: 11.586 min Scan# 1615

Delta R.T. -0.006 min

Lab File: BF136062.D

Acq: 31 Oct 2023 20:41

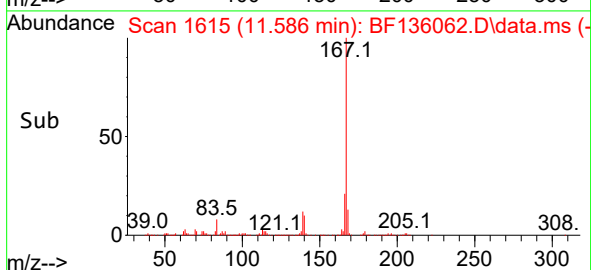
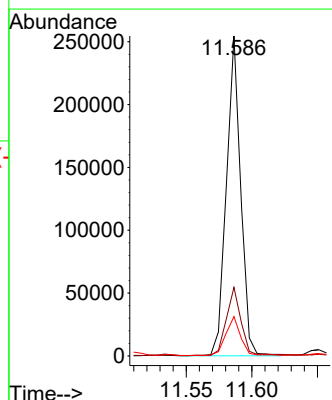
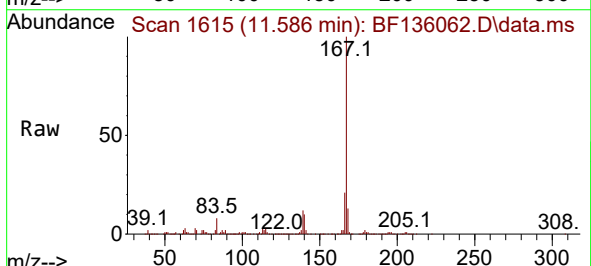
Tgt Ion:167 Resp: 191557

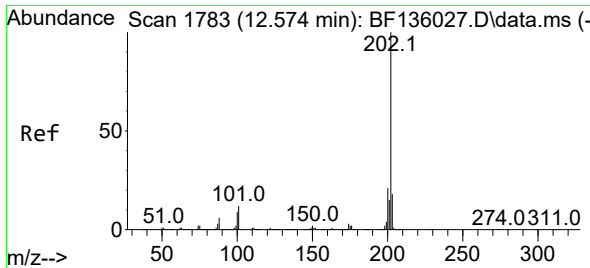
Ion Ratio Lower Upper

167 100

166 21.5 17.2 25.8

139 12.3 9.9 14.9

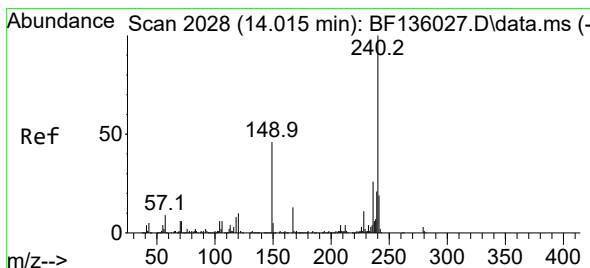
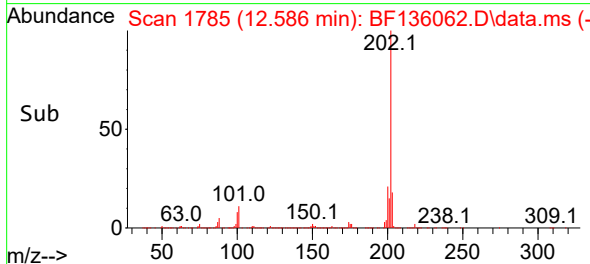
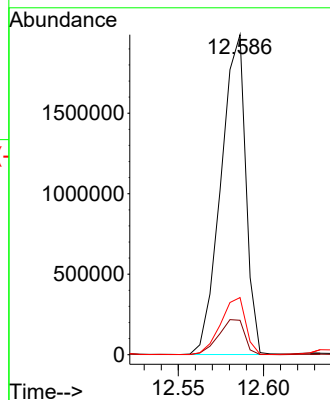
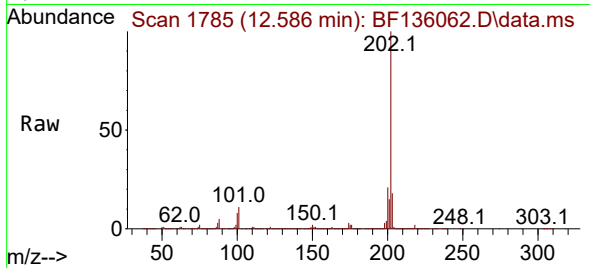




#75  
Fluoranthene  
Concen: 117.915 ng  
RT: 12.586 min Scan# 11  
Delta R.T. 0.012 min  
Lab File: BF136062.D  
Acq: 31 Oct 2023 20:41

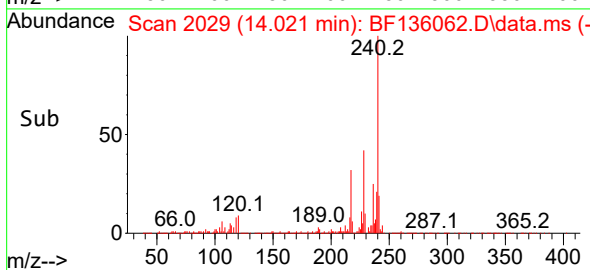
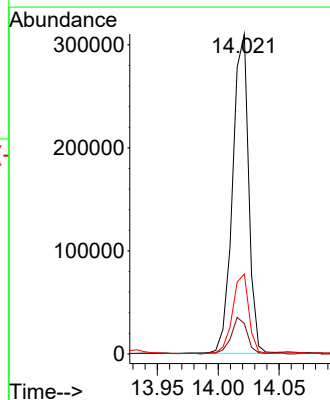
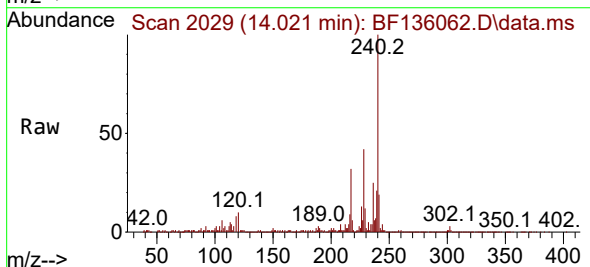
Instrument :  
BNA\_F  
ClientSampleId :  
WC-1

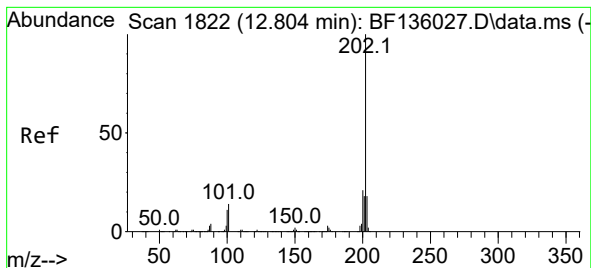
Tgt Ion:202 Resp: 2014958  
Ion Ratio Lower Upper  
202 100  
101 10.7 0.0 31.8  
203 17.9 0.0 37.9



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.021 min Scan# 2029  
Delta R.T. 0.006 min  
Lab File: BF136062.D  
Acq: 31 Oct 2023 20:41

Tgt Ion:240 Resp: 283411  
Ion Ratio Lower Upper  
240 100  
120 9.5 7.6 11.4  
236 25.0 20.6 31.0





#78

Pyrene

Concen: 70.742 ng

RT: 12.816 min Scan# 1824

Delta R.T. 0.012 min

Lab File: BF136062.D

Acq: 31 Oct 2023 20:41

Instrument :

BNA\_F

ClientSampleId :

WC-1

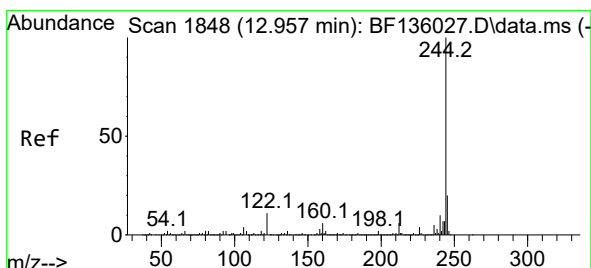
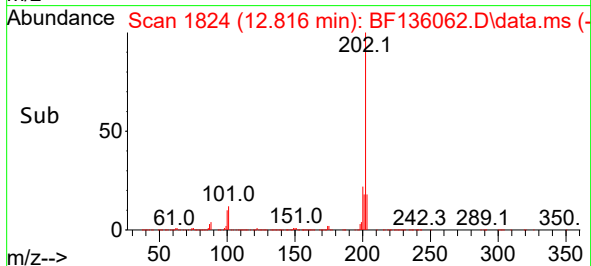
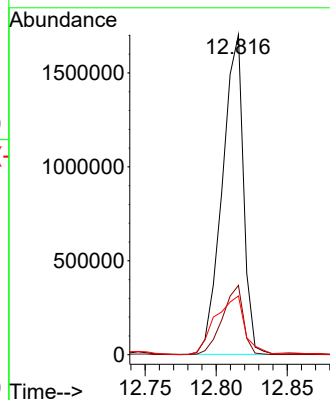
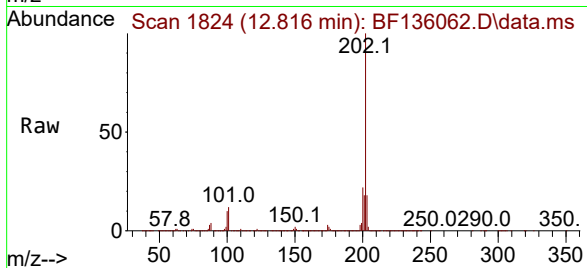
Tgt Ion:202 Resp: 1767619

Ion Ratio Lower Upper

202 100

200 21.7 17.0 25.4

203 18.4 14.4 21.6



#79

Terphenyl-d14

Concen: 42.961 ng

RT: 12.957 min Scan# 1848

Delta R.T. 0.000 min

Lab File: BF136062.D

Acq: 31 Oct 2023 20:41

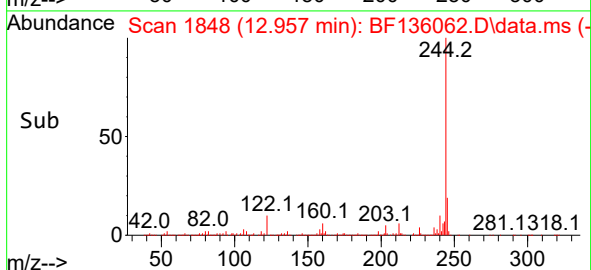
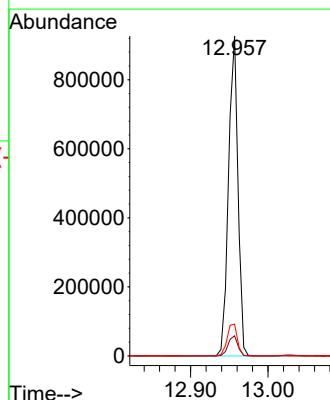
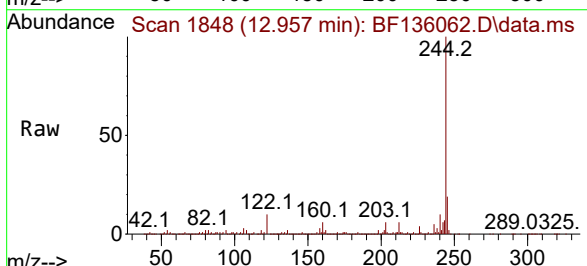
Tgt Ion:244 Resp: 783489

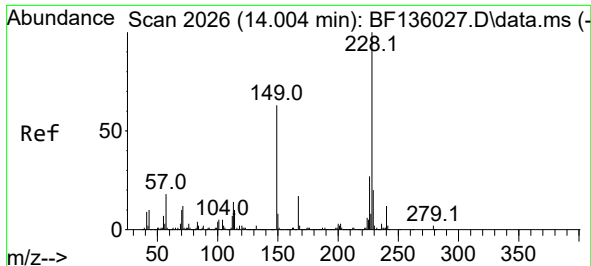
Ion Ratio Lower Upper

244 100

212 6.3 5.1 7.7

122 9.9 8.6 12.8

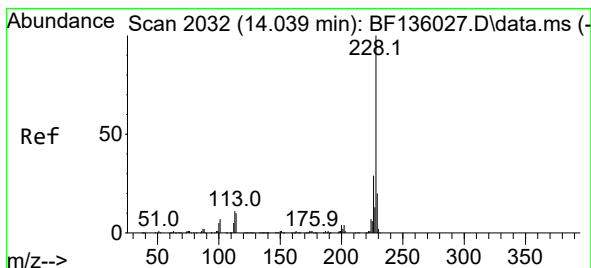
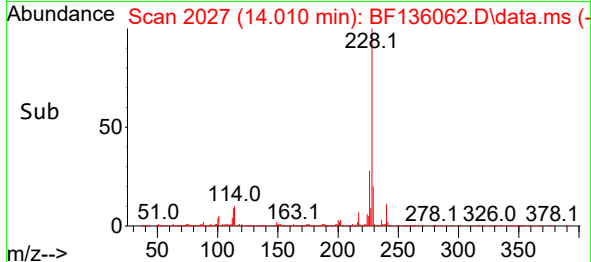
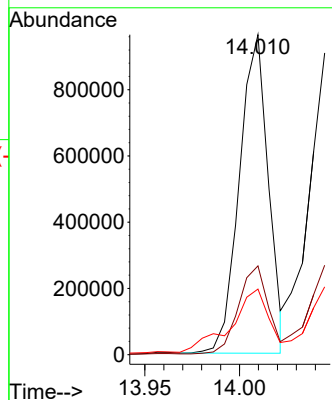
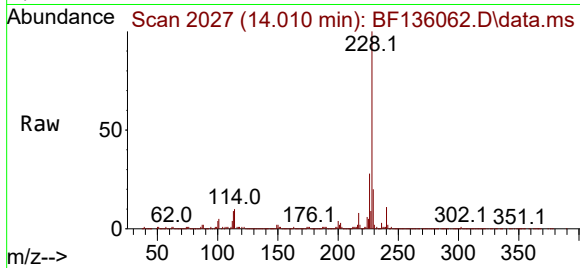




#81  
Benzo(a)anthracene  
Concen: 54.523 ng  
RT: 14.010 min Scan# 2026  
Delta R.T. 0.006 min  
Lab File: BF136062.D  
Acq: 31 Oct 2023 20:41

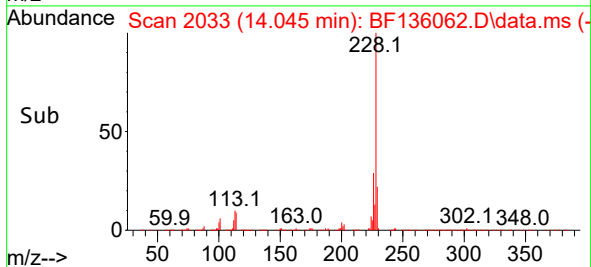
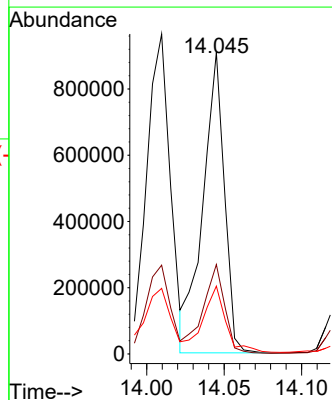
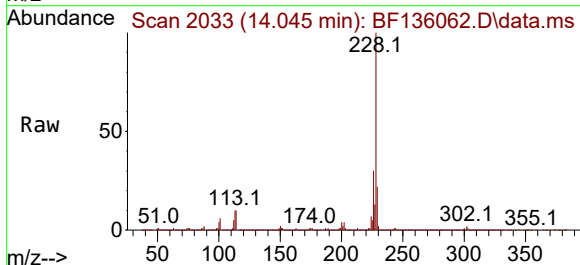
Instrument :  
BNA\_F  
ClientSampleId :  
WC-1

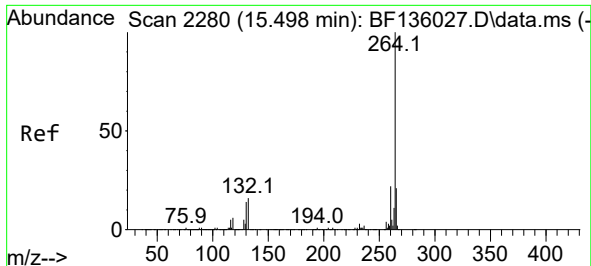
Tgt Ion:228 Resp: 1022986  
Ion Ratio Lower Upper  
228 100  
226 27.8 21.5 32.3  
229 20.5 15.8 23.6



#83  
Chrysene  
Concen: 47.328 ng  
RT: 14.045 min Scan# 2033  
Delta R.T. 0.006 min  
Lab File: BF136062.D  
Acq: 31 Oct 2023 20:41

Tgt Ion:228 Resp: 874518  
Ion Ratio Lower Upper  
228 100  
226 29.7 23.5 35.3  
229 22.5 16.0 24.0



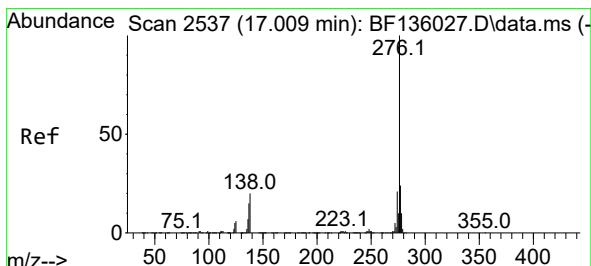
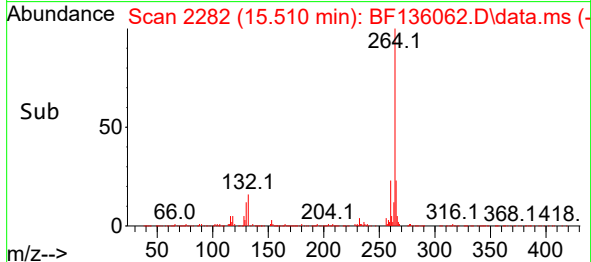
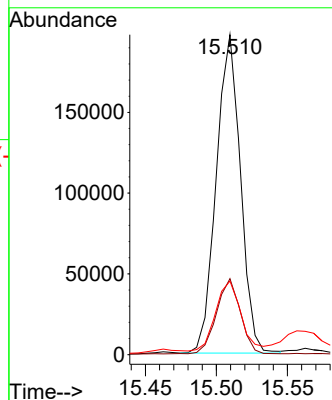
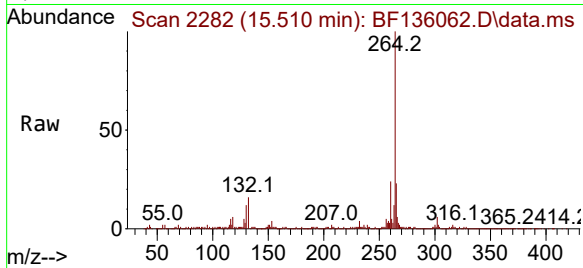


#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.510 min Scan# 21  
Delta R.T. 0.012 min  
Lab File: BF136062.D  
Acq: 31 Oct 2023 20:41

Instrument :  
BNA\_F  
ClientSampleId :  
WC-1

Tgt Ion:264 Resp: 233526  

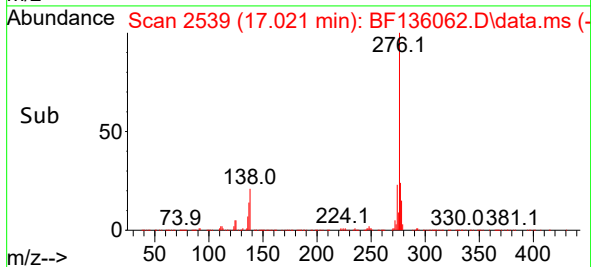
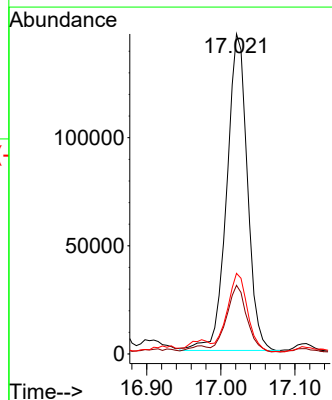
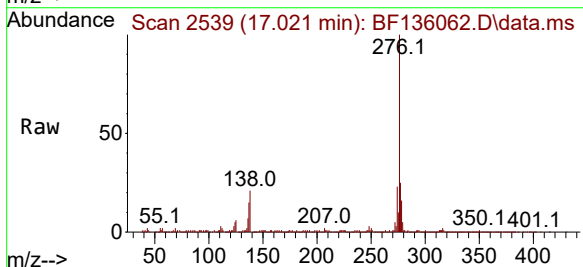
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.8  | 17.9  | 26.9  |
| 265 | 23.0  | 16.8  | 25.2  |

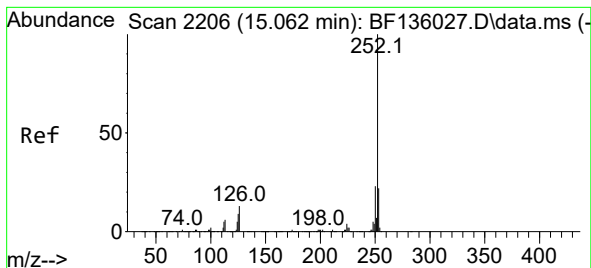


#87  
Indeno(1,2,3-cd)pyrene  
Concen: 18.550 ng  
RT: 17.021 min Scan# 2539  
Delta R.T. 0.012 min  
Lab File: BF136062.D  
Acq: 31 Oct 2023 20:41

Tgt Ion:276 Resp: 283120  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 138 | 20.8  | 20.4  | 30.6  |
| 277 | 24.7  | 20.2  | 30.2  |





#88

Benzo(b)fluoranthene

Concen: 82.252 ng

RT: 15.074 min Scan# 2208

Delta R.T. 0.012 min

Lab File: BF136062.D

Acq: 31 Oct 2023 20:41

Instrument :

BNA\_F

ClientSampleId :

WC-1

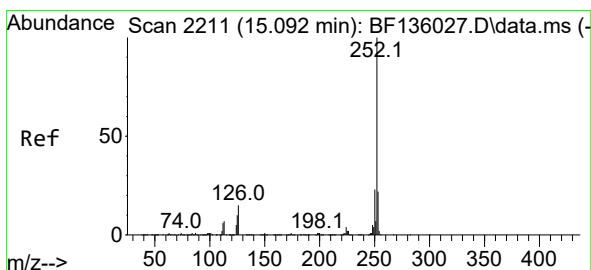
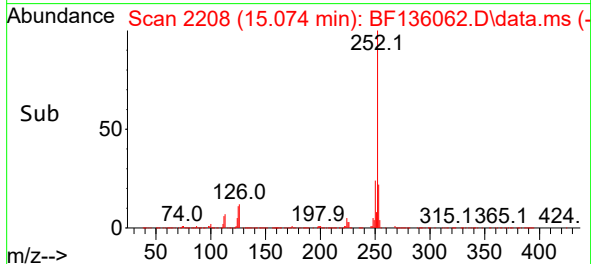
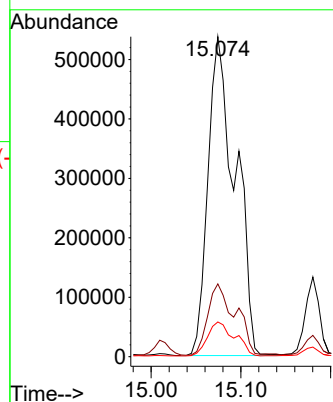
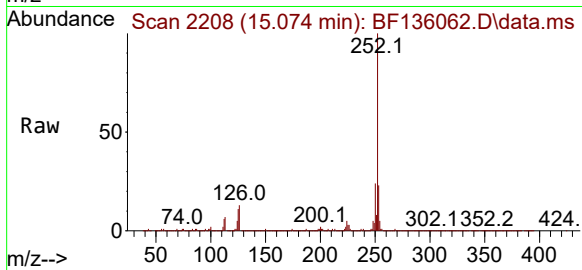
Tgt Ion:252 Resp: 1136573

Ion Ratio Lower Upper

252 100

253 22.8 17.7 26.5

125 10.9 7.5 11.3



#89

Benzo(k)fluoranthene

Concen: 83.130 ng

RT: 15.074 min Scan# 2208

Delta R.T. -0.017 min

Lab File: BF136062.D

Acq: 31 Oct 2023 20:41

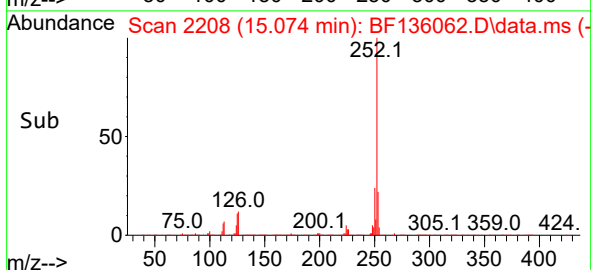
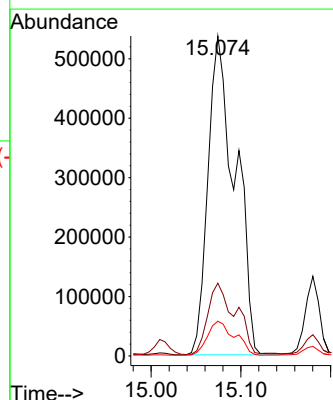
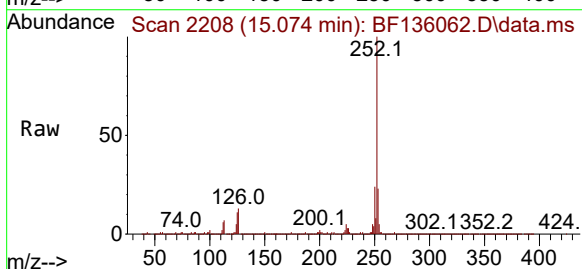
Tgt Ion:252 Resp: 1136573

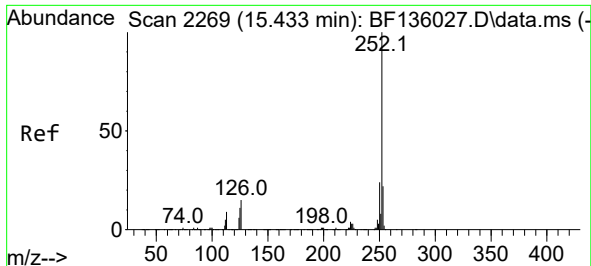
Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.0

125 10.9 8.0 12.0

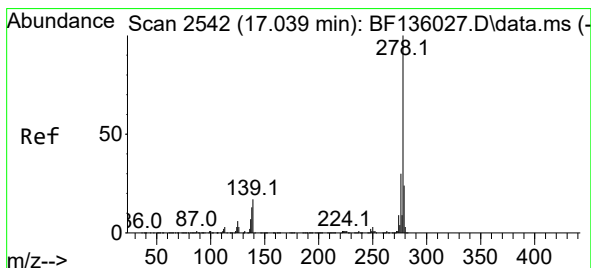
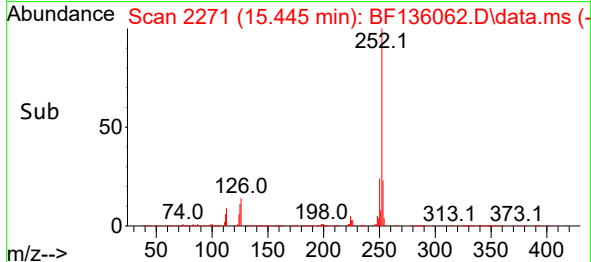
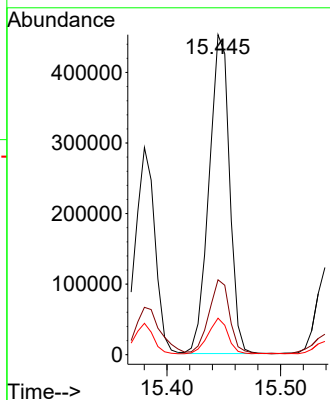
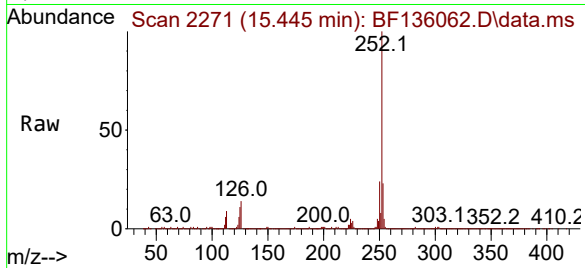




#90  
Benzo(a)pyrene  
Concen: 44.175 ng  
RT: 15.445 min Scan# 21  
Delta R.T. 0.012 min  
Lab File: BF136062.D  
Acq: 31 Oct 2023 20:41

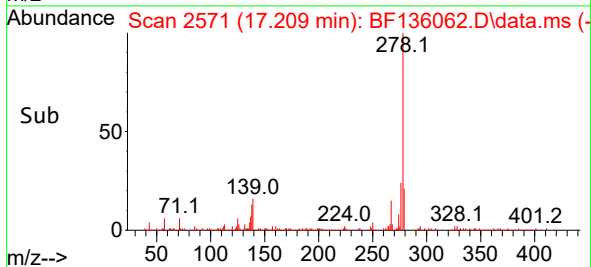
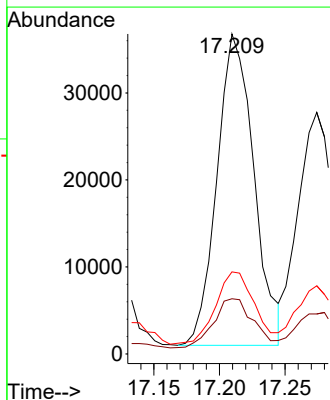
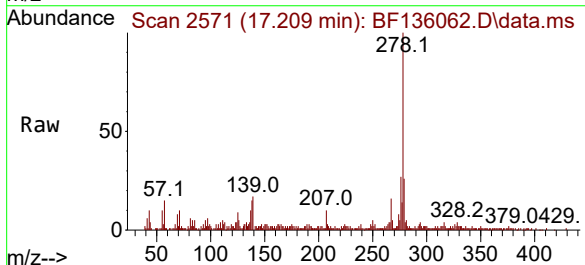
Instrument :  
BNA\_F  
ClientSampleId :  
WC-1

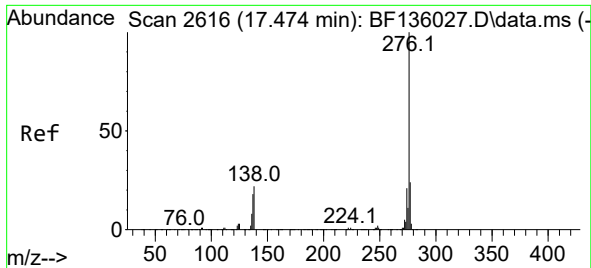
Tgt Ion:252 Resp: 567171  
Ion Ratio Lower Upper  
252 100  
253 23.4 17.3 25.9  
125 11.4 9.0 13.6



#91  
Dibenzo(a,h)anthracene  
Concen: 5.607 ng  
RT: 17.209 min Scan# 2571  
Delta R.T. 0.171 min  
Lab File: BF136062.D  
Acq: 31 Oct 2023 20:41

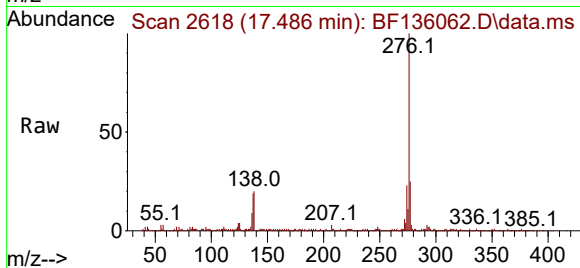
Tgt Ion:278 Resp: 70095  
Ion Ratio Lower Upper  
278 100  
139 17.3 13.7 20.5  
279 25.7 19.0 28.6





#92  
Benzo(g,h,i)perylene  
Concen: 19.016 ng  
RT: 17.486 min Scan# 20  
Delta R.T. 0.012 min  
Lab File: BF136062.D  
Acq: 31 Oct 2023 20:41

Instrument :  
BNA\_F  
ClientSampleId :  
WC-1



Tgt Ion:276 Resp: 244192  
Ion Ratio Lower Upper  
276 100  
277 25.1 19.0 28.4  
138 20.5 17.4 26.2

