

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF091323\  
 Data File : BF135243.D  
 Acq On : 14 Sep 2023 02:14  
 Operator : CG\JU  
 Sample : 04334-02  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 359

Quant Time: Sep 14 02:55:52 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 12 00:19:07 2023  
 Response via : Initial Calibration

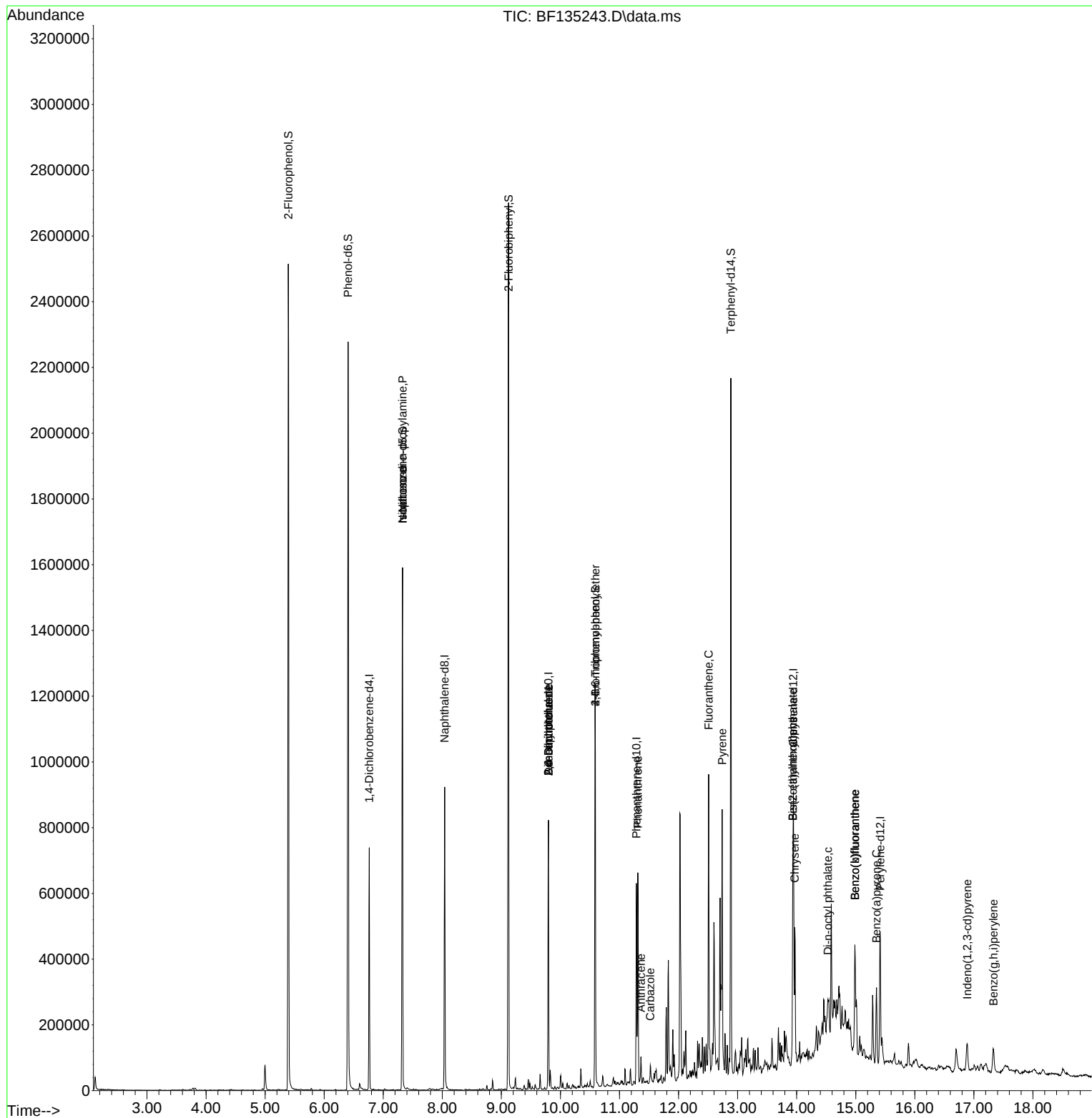
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.763  | 152  | 98585    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.039  | 136  | 352639   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.798  | 164  | 154359   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.286 | 188  | 230563   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.945 | 240  | 206295   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.415 | 264  | 195638   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.393  | 112  | 676784   | 111.655 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.404  | 99   | 792751   | 102.856 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.328  | 82   | 476038   | 73.341  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.592 | 330  | 139203   | 90.748  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.122  | 172  | 830094   | 81.134  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.886 | 244  | 687364   | 51.652  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.328  | 70   | 65057    | 13.628  | ng    | # 74     |
| 25) Isophorone                | 7.328  | 82   | 476034   | 39.940  | ng    | # 65     |
| 50) Dimethylphthalate         | 9.798  | 163  | 31346    | 3.004   | ng    | # 1      |
| 51) 2,6-Dinitrotoluene        | 9.798  | 165  | 20301    | 8.880   | ng    | # 17     |
| 57) 2,4-Dinitrotoluene        | 9.798  | 165  | 20301    | 7.093   | ng    | # 18     |
| 67) 4-Bromophenyl-phenylether | 10.592 | 248  | 9084     | 3.961   | ng    | # 1      |
| 71) Phenanthrene              | 11.310 | 178  | 228792   | 20.981  | ng    | 99       |
| 72) Anthracene                | 11.363 | 178  | 28542    | 2.546   | ng    | 97       |
| 73) Carbazole                 | 11.522 | 167  | 21889    | 2.145   | ng    | 99       |
| 75) Fluoranthene              | 12.510 | 202  | 339837   | 29.909  | ng    | 99       |
| 78) Pyrene                    | 12.739 | 202  | 309372   | 15.751  | ng    | 99       |
| 81) Benzo(a)anthracene        | 13.933 | 228  | 148366   | 11.138  | ng    | 98       |
| 83) Chrysene                  | 13.968 | 228  | 176333   | 13.314  | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 13.933 | 149  | 44773    | 6.309   | ng    | 98       |
| 85) Di-n-octyl phthalate      | 14.527 | 149  | 35986    | 3.191   | ng    | # 72     |
| 87) Indeno(1,2,3-cd)pyrene    | 16.886 | 276  | 60122    | 4.687   | ng    | 97       |
| 88) Benzo(b)fluoranthene      | 14.986 | 252  | 242361   | 22.885  | ng    | # 97     |
| 89) Benzo(k)fluoranthene      | 14.986 | 252  | 242361   | 23.167  | ng    | 98       |
| 90) Benzo(a)pyrene            | 15.351 | 252  | 109196   | 10.812  | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.333 | 276  | 56452    | 5.150   | ng    | 99       |
| -----                         |        |      |          |         |       |          |

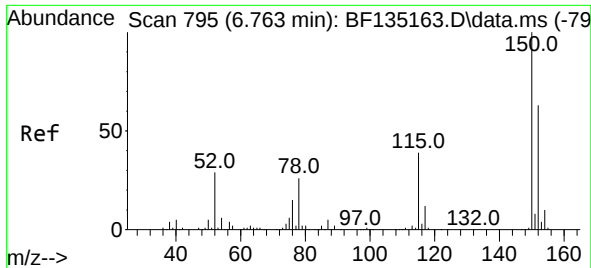
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091123.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Sep 12 00:19:07 2023  
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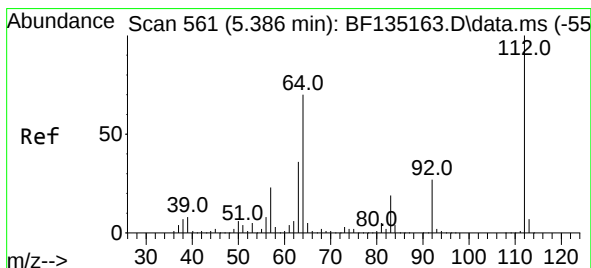
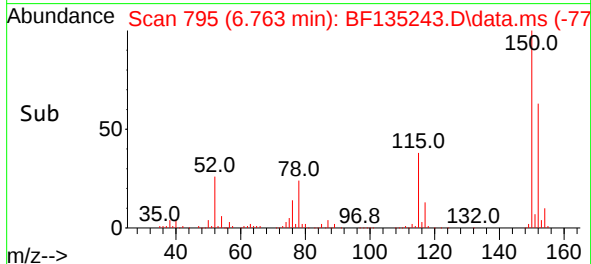
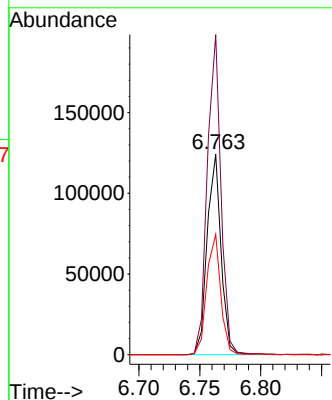
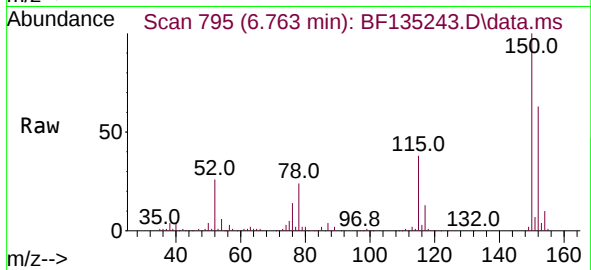




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.763 min Scan# 795  
 Delta R.T. 0.000 min  
 Lab File: BF135243.D  
 Acq: 14 Sep 2023 02:14

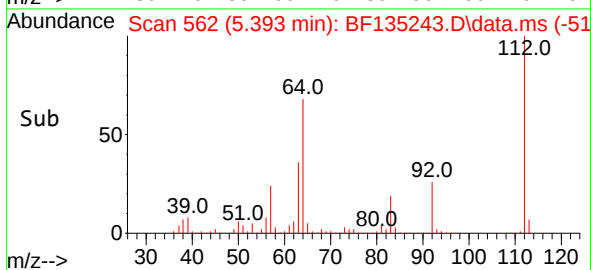
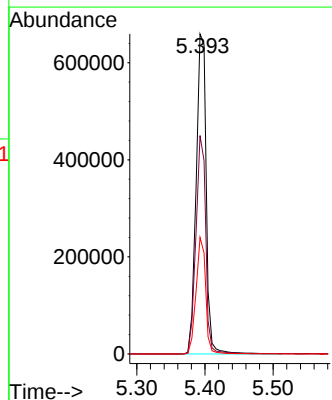
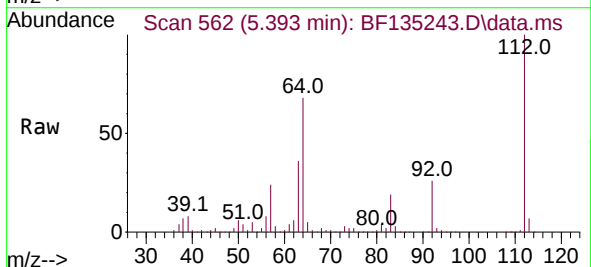
Instrument :  
 BNA\_F  
 ClientSampleId :  
 359

Tgt Ion:152 Resp: 98585  
 Ion Ratio Lower Upper  
 152 100  
 150 159.6 127.8 191.6  
 115 59.9 49.8 74.8



#5  
 2-Fluorophenol  
 Concen: 111.655 ng  
 RT: 5.393 min Scan# 562  
 Delta R.T. 0.006 min  
 Lab File: BF135243.D  
 Acq: 14 Sep 2023 02:14

Tgt Ion:112 Resp: 676784  
 Ion Ratio Lower Upper  
 112 100  
 64 68.3 55.9 83.9  
 63 36.4 29.0 43.6

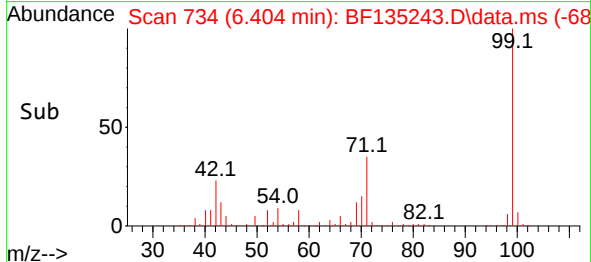
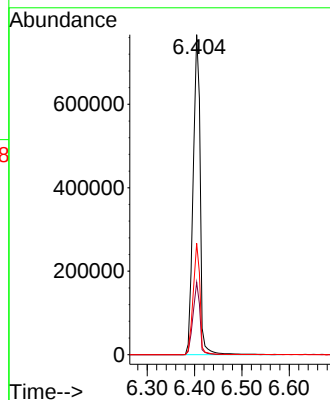
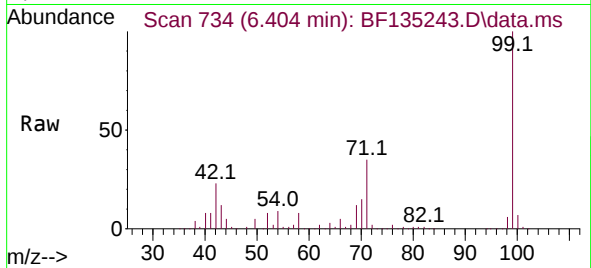




#7  
Phenol-d6  
Concen: 102.856 ng  
RT: 6.404 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: BF135243.D  
Acq: 14 Sep 2023 02:14

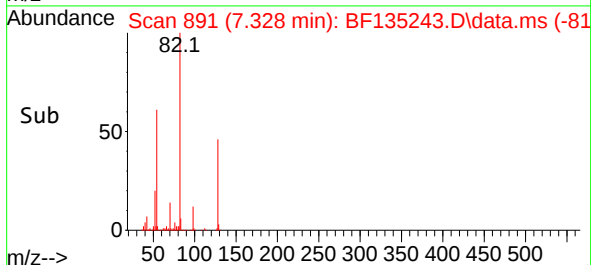
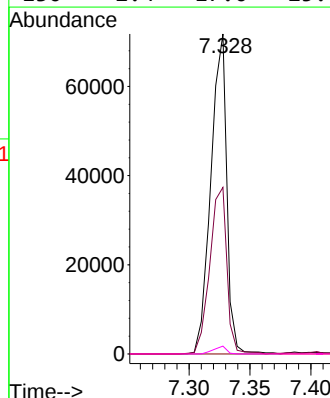
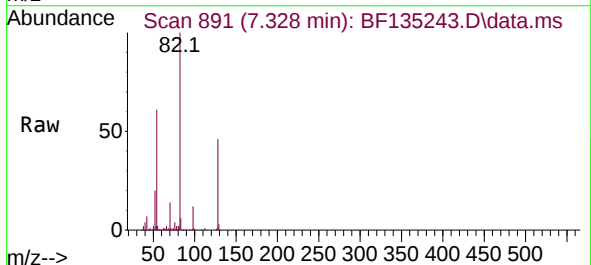
Instrument :  
BNA\_F  
ClientSampleId :  
359

Tgt Ion: 99 Resp: 792751  
Ion Ratio Lower Upper  
99 100  
42 22.6 17.9 26.9  
71 34.8 27.0 40.6



#19  
n-Nitroso-di-n-propylamine  
Concen: 13.628 ng  
RT: 7.328 min Scan# 891  
Delta R.T. 0.141 min  
Lab File: BF135243.D  
Acq: 14 Sep 2023 02:14

Tgt Ion: 70 Resp: 65057  
Ion Ratio Lower Upper  
70 100  
42 52.1 55.4 83.0#  
101 0.0 7.7 11.5#  
130 2.4 17.0 25.6#

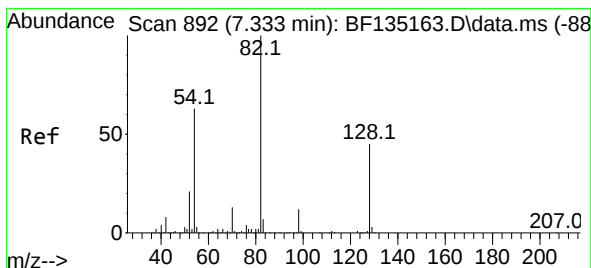
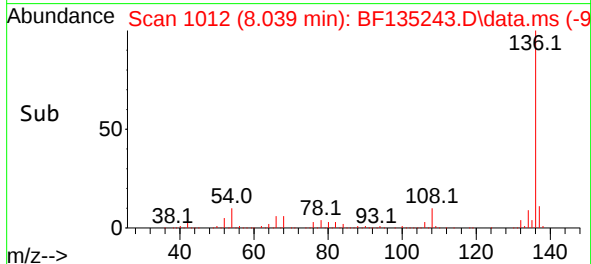
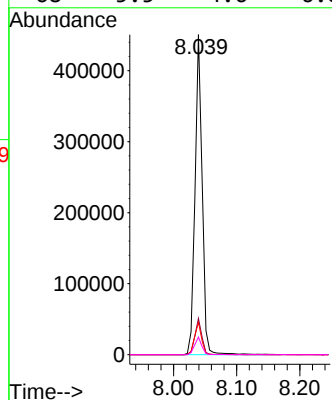
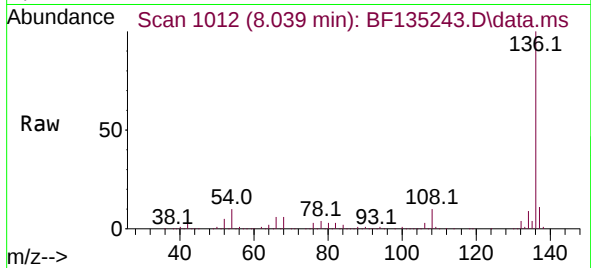




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.039 min Scan# 1013  
Delta R.T. -0.006 min  
Lab File: BF135243.D  
Acq: 14 Sep 2023 02:14

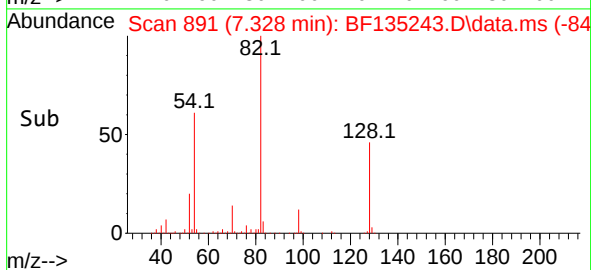
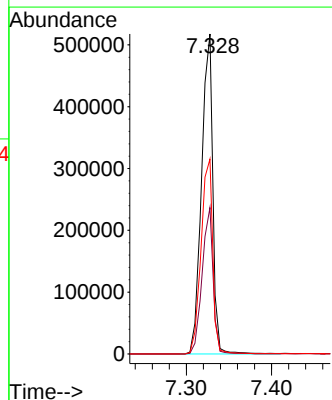
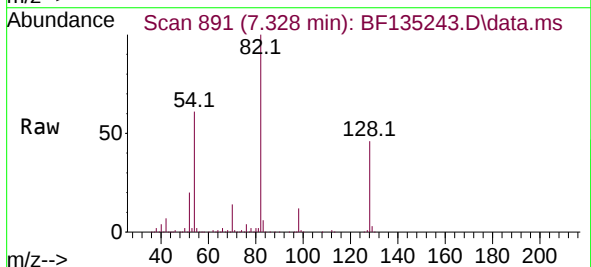
Instrument :  
BNA\_F  
ClientSampleId :  
359

Tgt Ion:136 Resp: 352639  
Ion Ratio Lower Upper  
136 100  
137 11.3 8.8 13.2  
54 10.1 7.7 11.5  
68 5.5 4.6 6.8



#23  
Nitrobenzene-d5  
Concen: 73.341 ng  
RT: 7.328 min Scan# 891  
Delta R.T. -0.006 min  
Lab File: BF135243.D  
Acq: 14 Sep 2023 02:14

Tgt Ion: 82 Resp: 476038  
Ion Ratio Lower Upper  
82 100  
128 45.7 35.8 53.6  
54 60.9 50.6 76.0

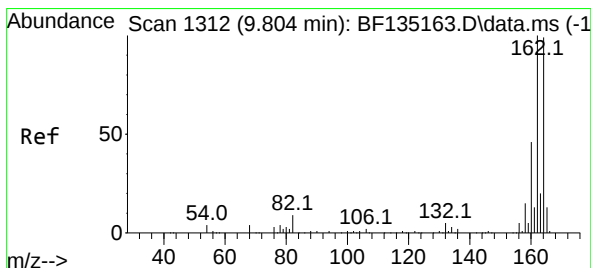
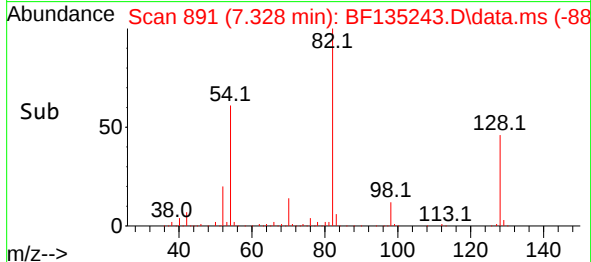
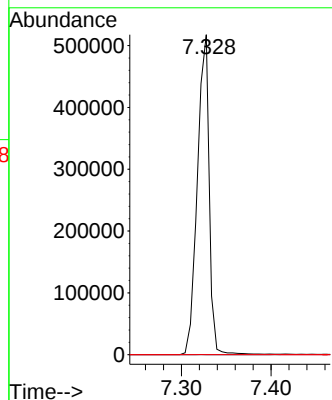
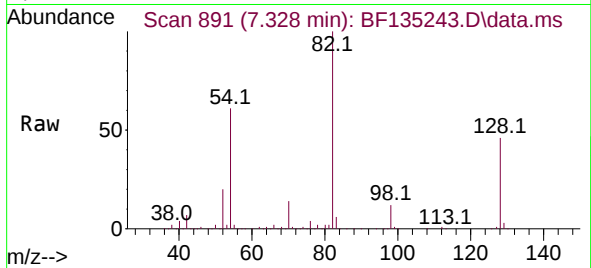




#25  
Isophorone  
Concen: 39.940 ng  
RT: 7.328 min Scan# 891  
Delta R.T. -0.264 min  
Lab File: BF135243.D  
Acq: 14 Sep 2023 02:14

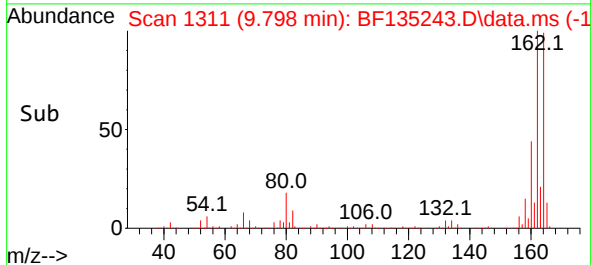
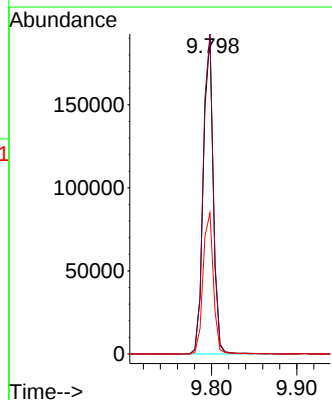
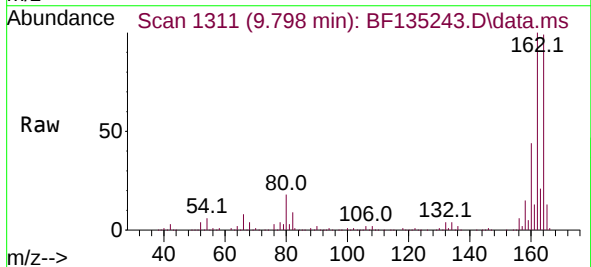
Instrument :  
BNA\_F  
ClientSampleId :  
359

Tgt Ion: 82 Resp: 476034  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.0 9.0#  
138 0.0 14.5 21.7#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.798 min Scan# 1311  
Delta R.T. -0.006 min  
Lab File: BF135243.D  
Acq: 14 Sep 2023 02:14

Tgt Ion: 164 Resp: 154359  
Ion Ratio Lower Upper  
164 100  
162 101.1 81.0 121.4  
160 44.5 37.0 55.4

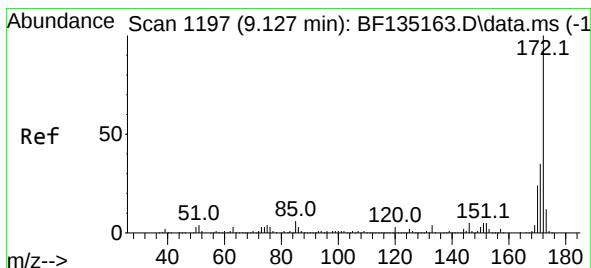
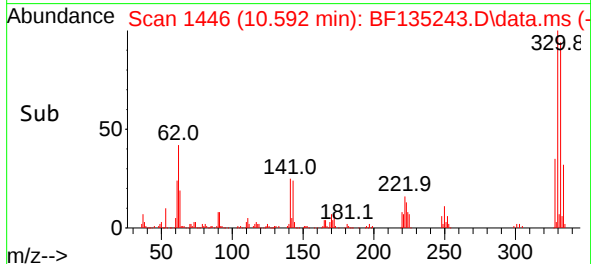
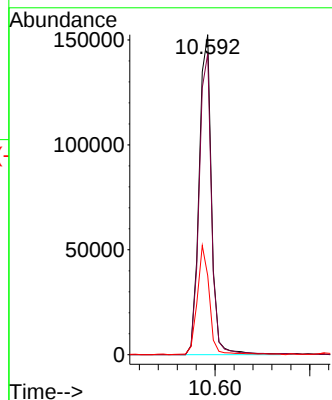
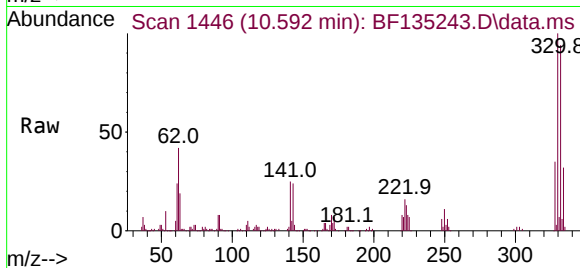




#42  
2,4,6-Tribromophenol  
Concen: 90.748 ng  
RT: 10.592 min Scan# 1446  
Delta R.T. -0.006 min  
Lab File: BF135243.D  
Acq: 14 Sep 2023 02:14

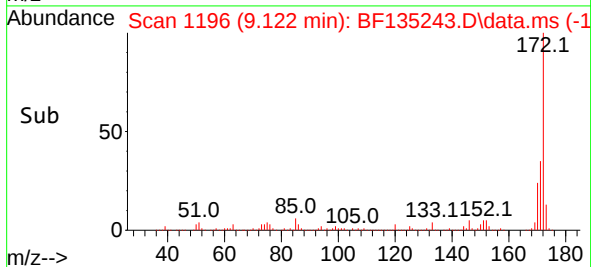
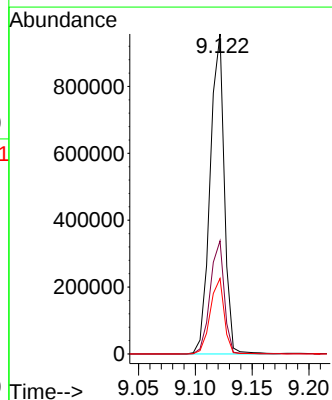
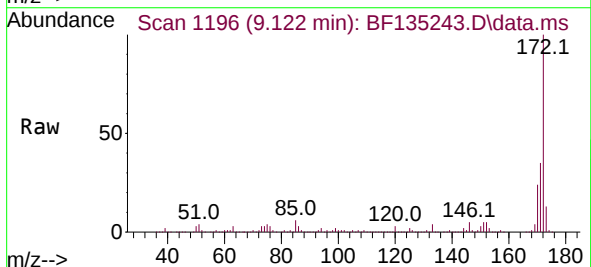
Instrument :  
BNA\_F  
ClientSampleId :  
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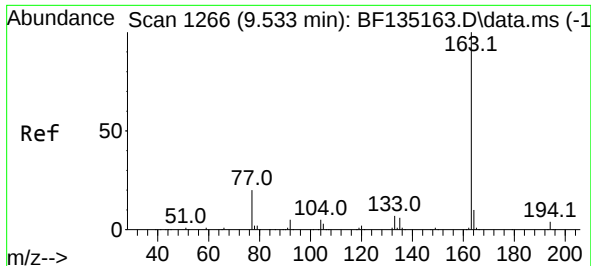
Tgt Ion:330 Resp: 139203  
Ion Ratio Lower Upper  
330 100  
332 94.2 77.3 115.9  
141 33.5 25.8 38.8



#45  
2-Fluorobiphenyl  
Concen: 81.134 ng  
RT: 9.122 min Scan# 1196  
Delta R.T. -0.006 min  
Lab File: BF135243.D  
Acq: 14 Sep 2023 02:14

Tgt Ion:172 Resp: 830094  
Ion Ratio Lower Upper  
172 100  
171 35.3 28.4 42.6  
170 23.6 19.0 28.4

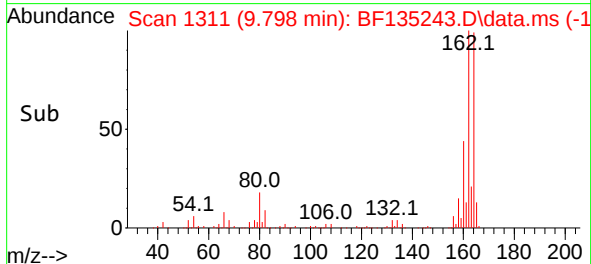
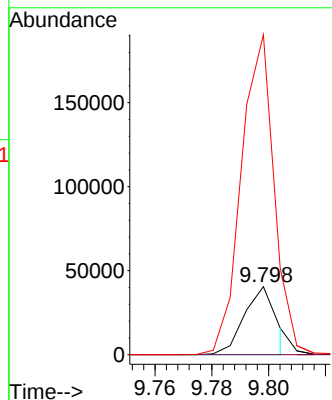
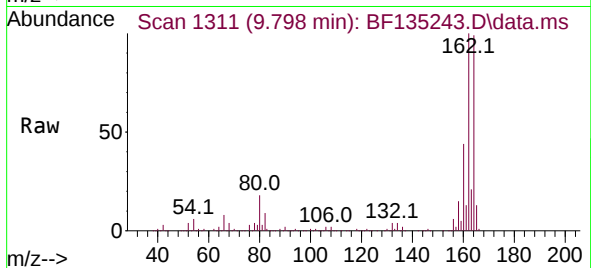




#50  
Dimethylphthalate  
Concen: 3.004 ng  
RT: 9.798 min Scan# 1311  
Delta R.T. 0.265 min  
Lab File: BF135243.D  
Acq: 14 Sep 2023 02:14

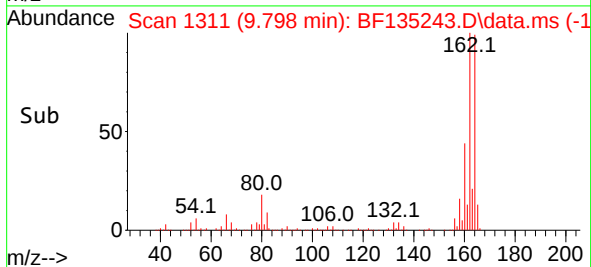
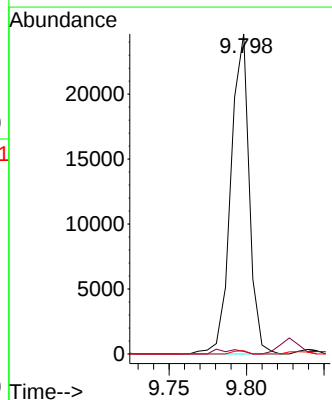
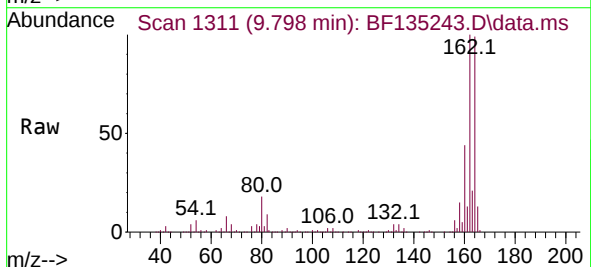
Instrument :  
BNA\_F  
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359

Tgt Ion:163 Resp: 31346  
Ion Ratio Lower Upper  
163 100  
194 0.0 3.1 4.7#  
164 470.9 8.1 12.1#



#51  
2,6-Dinitrotoluene  
Concen: 8.880 ng  
RT: 9.798 min Scan# 1311  
Delta R.T. 0.206 min  
Lab File: BF135243.D  
Acq: 14 Sep 2023 02:14

Tgt Ion:165 Resp: 20301  
Ion Ratio Lower Upper  
165 100  
63 0.8 59.4 89.2#  
89 1.0 49.8 74.8#

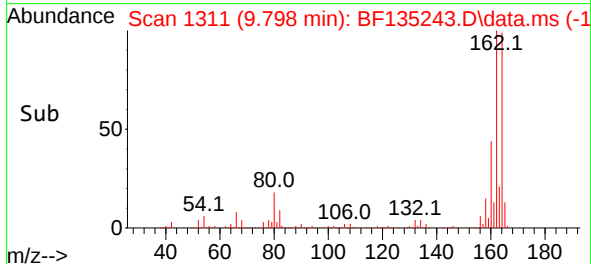
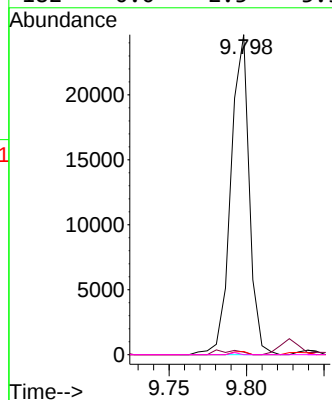
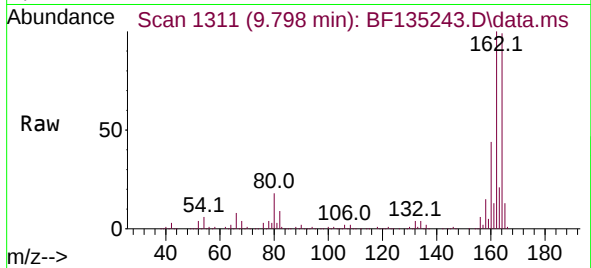




#57  
2,4-Dinitrotoluene  
Concen: 7.093 ng  
RT: 9.798 min Scan# 11  
Delta R.T. -0.206 min  
Lab File: BF135243.D  
Acq: 14 Sep 2023 02:14

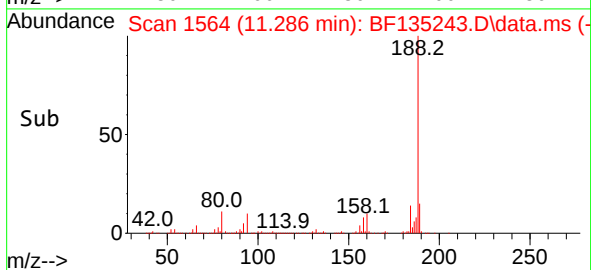
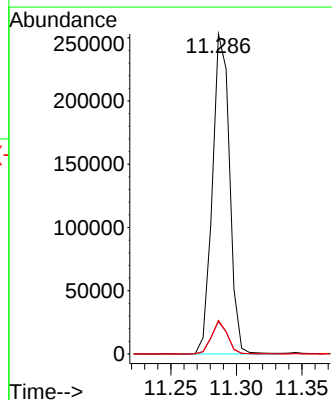
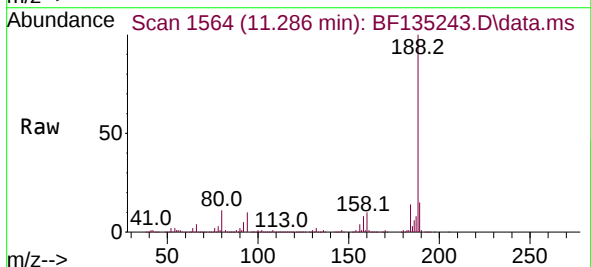
Instrument :  
BNA\_F  
ClientSampleId :  
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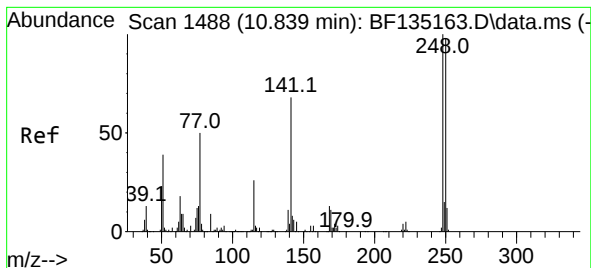
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Ion Ratio Lower Upper  
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63 0.8 50.1 75.1#  
89 1.0 59.3 88.9#  
182 0.0 2.3 3.5#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.286 min Scan# 1564  
Delta R.T. -0.006 min  
Lab File: BF135243.D  
Acq: 14 Sep 2023 02:14

Tgt Ion:188 Resp: 230563  
Ion Ratio Lower Upper  
188 100  
94 10.1 7.0 10.6  
80 10.5 7.5 11.3

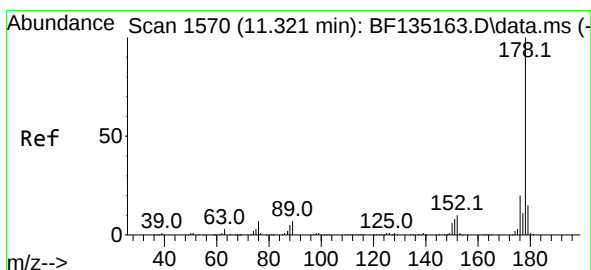
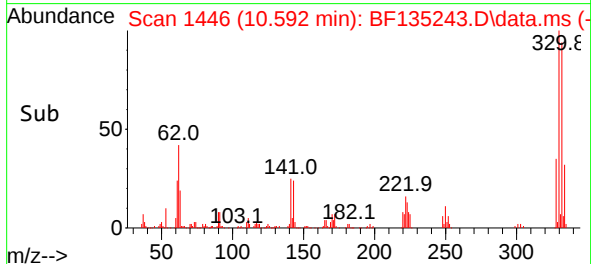
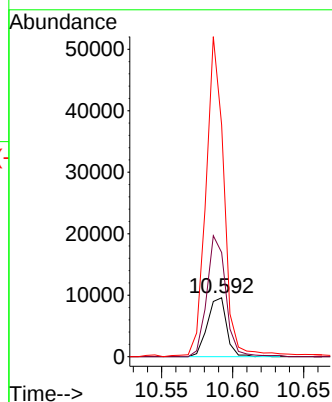
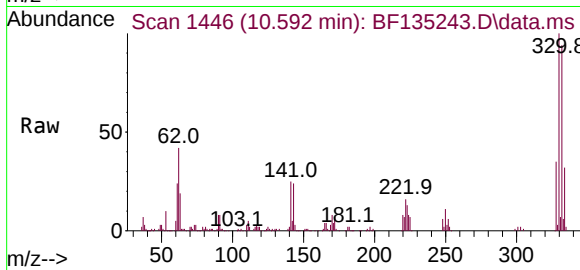




#67  
4-Bromophenyl-phenylether  
Concen: 3.961 ng  
RT: 10.592 min Scan# 1488  
Delta R.T. -0.247 min  
Lab File: BF135243.D  
Acq: 14 Sep 2023 02:14

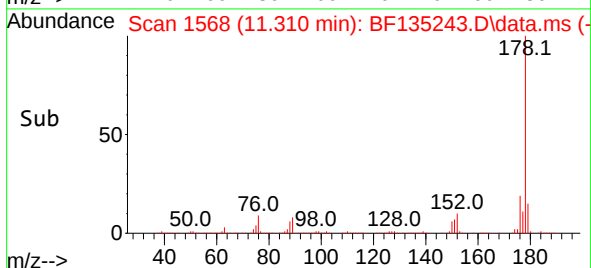
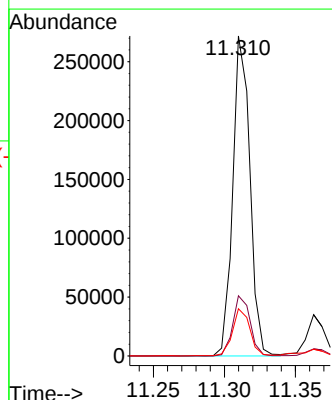
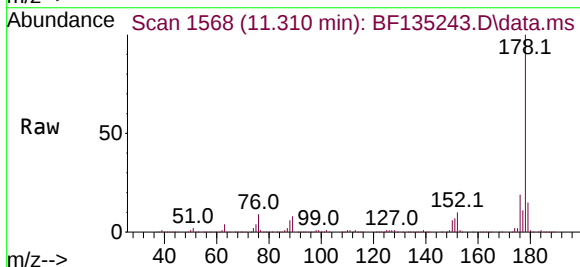
Instrument :  
BNA\_F  
ClientSampleId :  
359

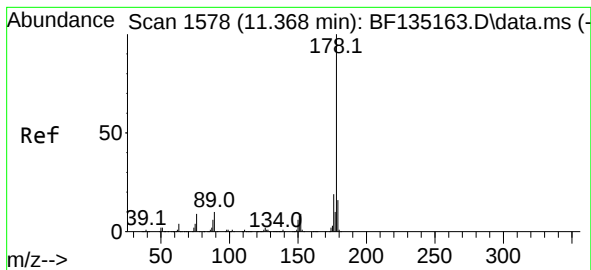
Tgt Ion:248 Resp: 9084  
Ion Ratio Lower Upper  
248 100  
250 177.2 78.6 117.8#  
141 394.1 54.2 81.2#



#71  
Phenanthrene  
Concen: 20.981 ng  
RT: 11.310 min Scan# 1568  
Delta R.T. -0.012 min  
Lab File: BF135243.D  
Acq: 14 Sep 2023 02:14

Tgt Ion:178 Resp: 228792  
Ion Ratio Lower Upper  
178 100  
176 18.8 15.6 23.4  
179 14.8 12.0 18.0





#72

Anthracene

Concen: 2.546 ng

RT: 11.363 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF135243.D

Acq: 14 Sep 2023 02:14

Instrument :

BNA\_F

ClientSampleId :

359

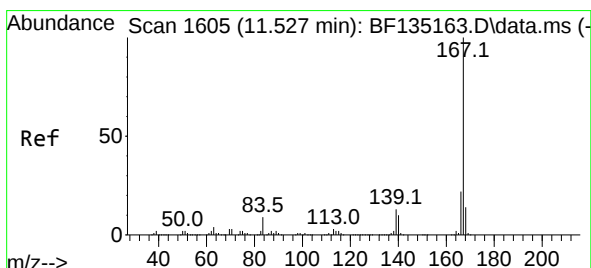
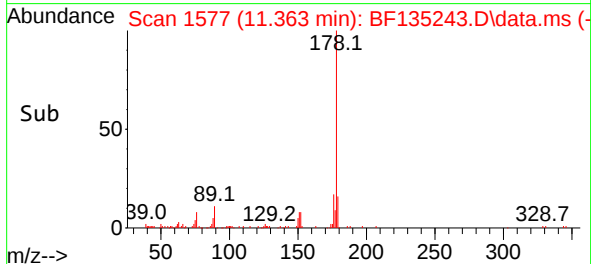
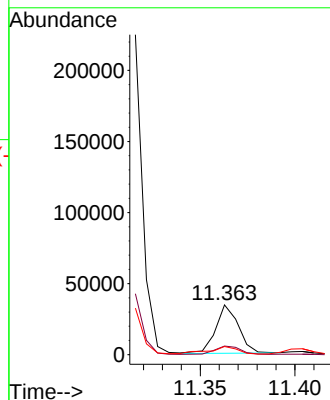
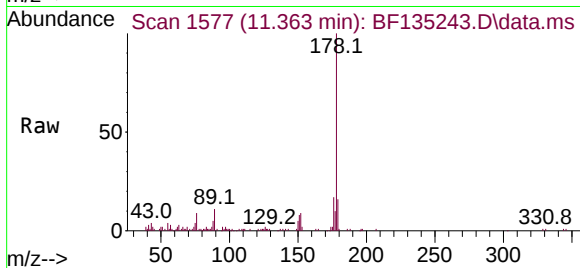
Tgt Ion:178 Resp: 28542

Ion Ratio Lower Upper

178 100

176 17.3 15.4 23.2

179 16.3 12.6 19.0



#73

Carbazole

Concen: 2.145 ng

RT: 11.522 min Scan# 1604

Delta R.T. -0.006 min

Lab File: BF135243.D

Acq: 14 Sep 2023 02:14

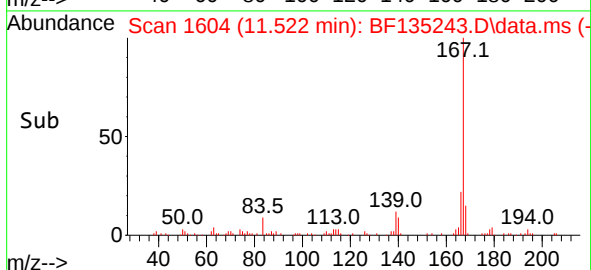
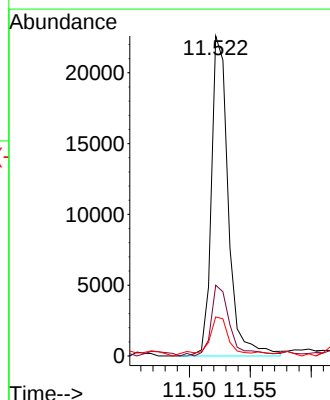
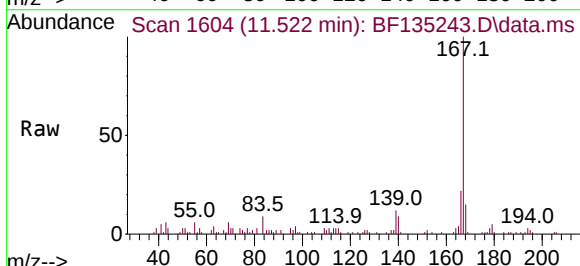
Tgt Ion:167 Resp: 21889

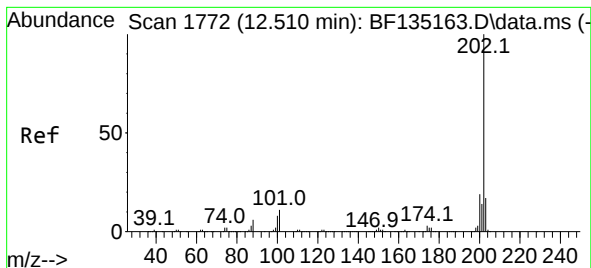
Ion Ratio Lower Upper

167 100

166 22.1 17.4 26.0

139 12.2 10.6 15.8





#75

Fluoranthene

Concen: 29.909 ng

RT: 12.510 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF135243.D

Acq: 14 Sep 2023 02:14

Instrument :

BNA\_F

ClientSampleId :

359

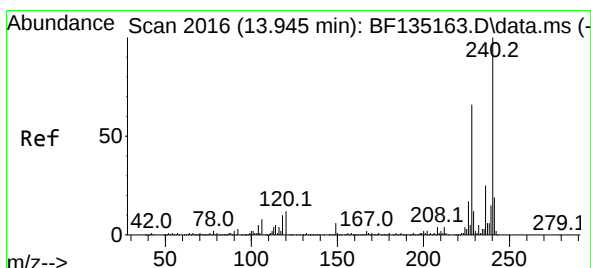
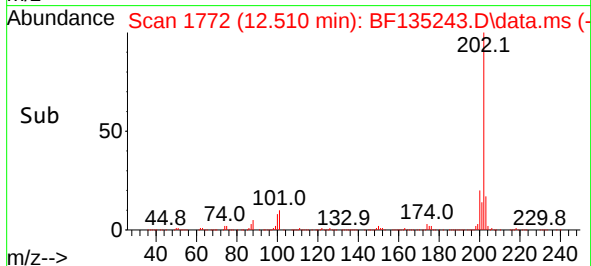
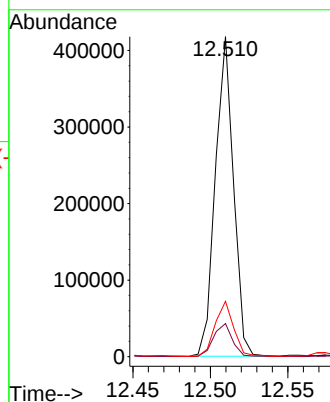
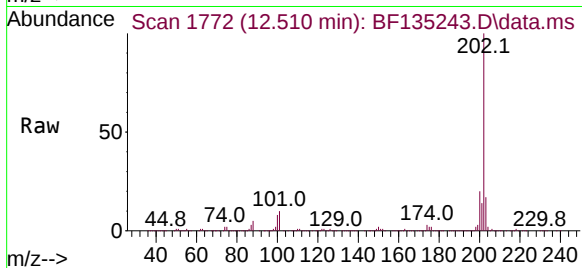
Tgt Ion:202 Resp: 339837

Ion Ratio Lower Upper

202 100

101 10.4 0.0 31.3

203 17.3 0.0 37.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.945 min Scan# 2016

Delta R.T. 0.000 min

Lab File: BF135243.D

Acq: 14 Sep 2023 02:14

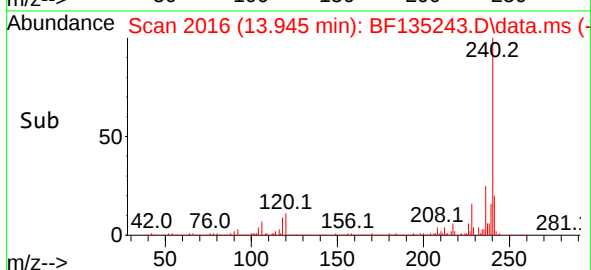
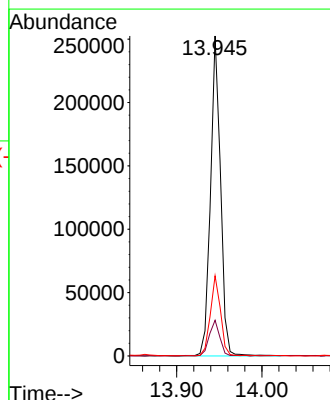
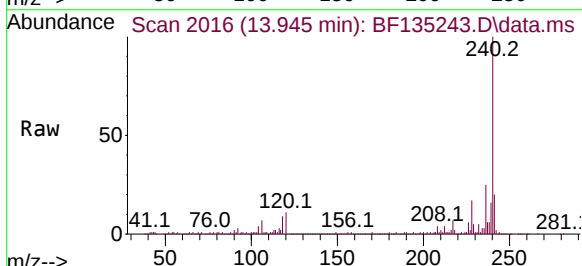
Tgt Ion:240 Resp: 206295

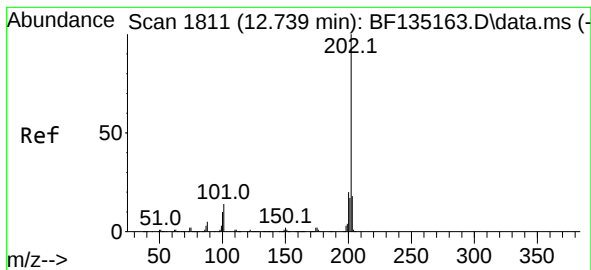
Ion Ratio Lower Upper

240 100

120 11.1 9.4 14.2

236 25.1 19.8 29.8





#78

Pyrene

Concen: 15.751 ng

RT: 12.739 min Scan# 1811

Delta R.T. 0.000 min

Lab File: BF135243.D

Acq: 14 Sep 2023 02:14

Instrument :

BNA\_F

ClientSampleId :

359

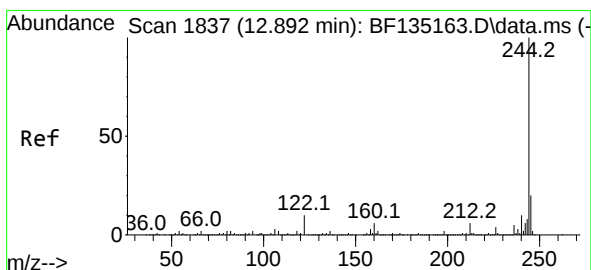
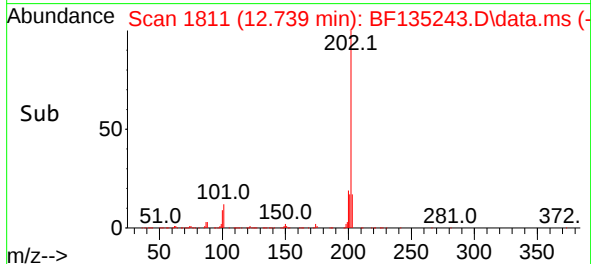
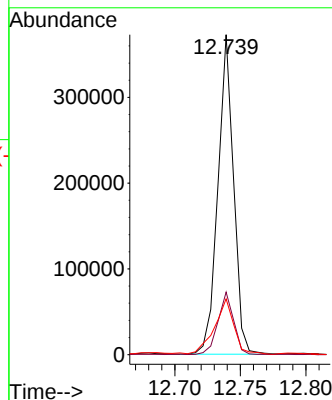
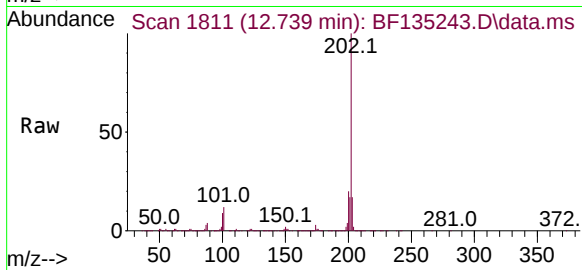
Tgt Ion:202 Resp: 309372

Ion Ratio Lower Upper

202 100

200 19.5 16.2 24.2

203 17.5 14.2 21.4



#79

Terphenyl-d14

Concen: 51.652 ng

RT: 12.886 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF135243.D

Acq: 14 Sep 2023 02:14

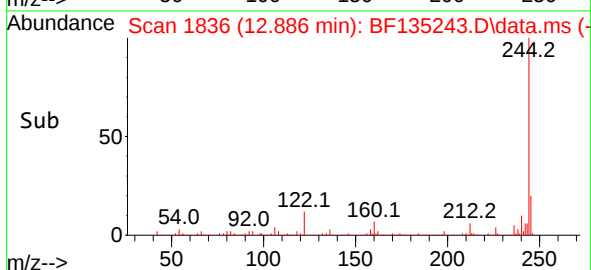
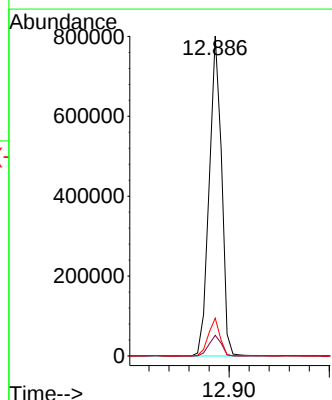
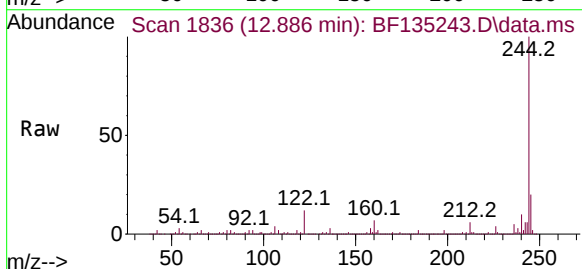
Tgt Ion:244 Resp: 687364

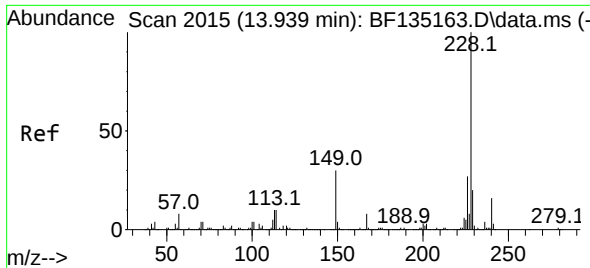
Ion Ratio Lower Upper

244 100

212 6.4 5.1 7.7

122 11.8 7.9 11.9

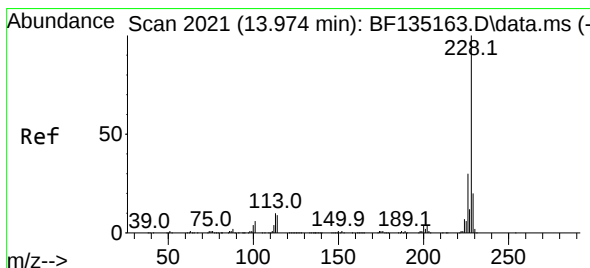
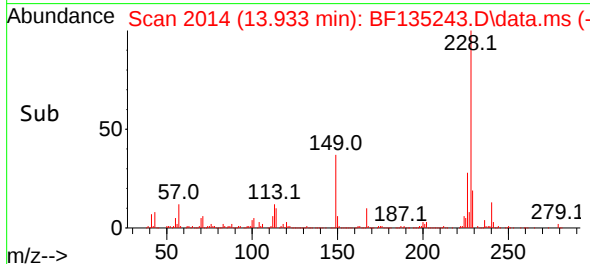
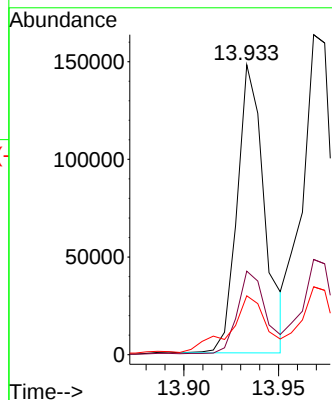
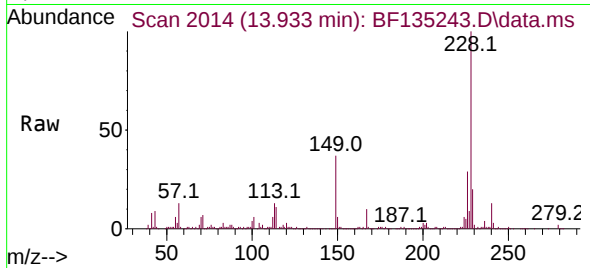




#81  
Benzo(a)anthracene  
Concen: 11.138 ng  
RT: 13.933 min Scan# 2014  
Delta R.T. -0.006 min  
Lab File: BF135243.D  
Acq: 14 Sep 2023 02:14

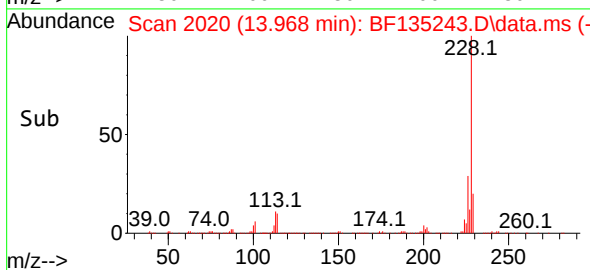
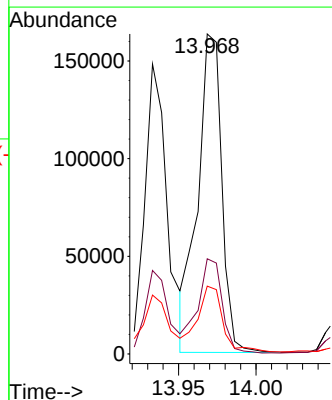
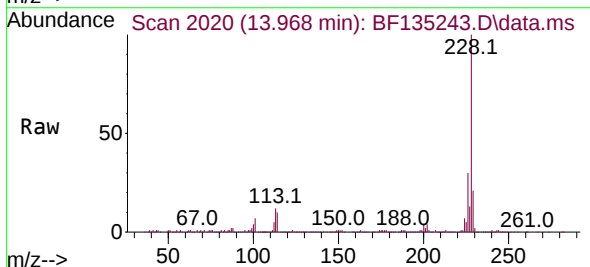
Instrument :  
BNA\_F  
ClientSampleId :  
359

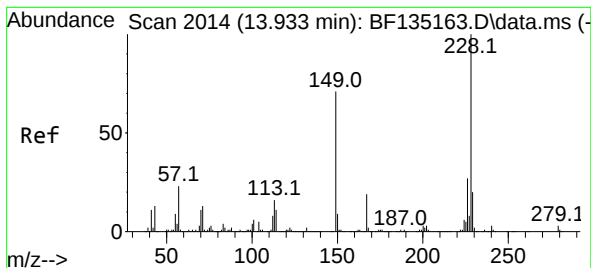
Tgt Ion:228 Resp: 148366  
Ion Ratio Lower Upper  
228 100  
226 28.8 21.7 32.5  
229 20.3 15.8 23.8



#83  
Chrysene  
Concen: 13.314 ng  
RT: 13.968 min Scan# 2020  
Delta R.T. -0.006 min  
Lab File: BF135243.D  
Acq: 14 Sep 2023 02:14

Tgt Ion:228 Resp: 176333  
Ion Ratio Lower Upper  
228 100  
226 29.8 24.3 36.5  
229 21.2 16.0 24.0

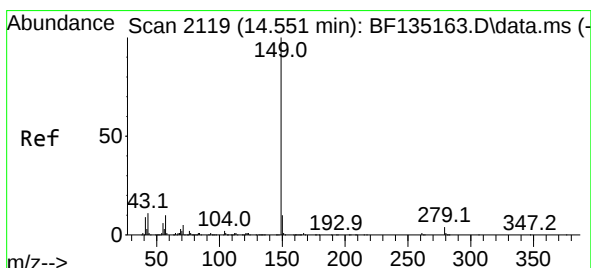
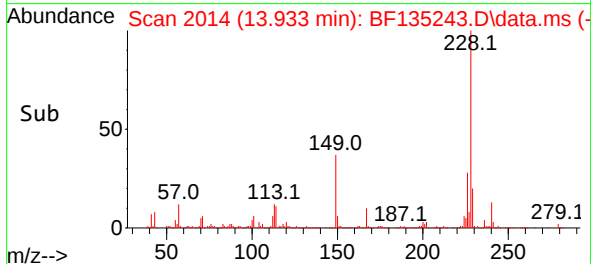
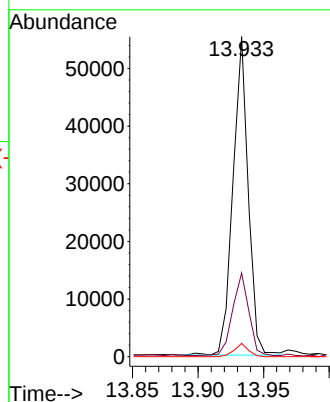
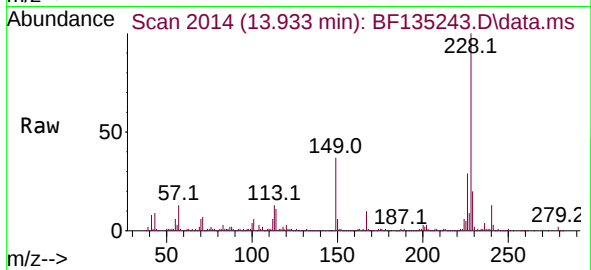




#84  
Bis(2-ethylhexyl)phthalate  
Concen: 6.309 ng  
RT: 13.933 min Scan# 2014  
Delta R.T. 0.000 min  
Lab File: BF135243.D  
Acq: 14 Sep 2023 02:14

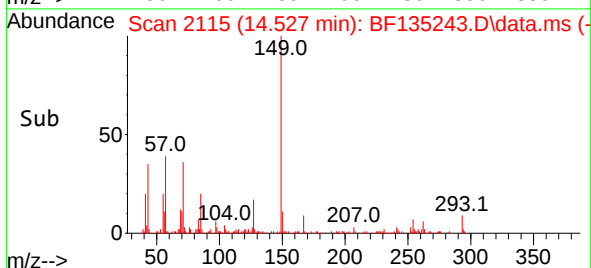
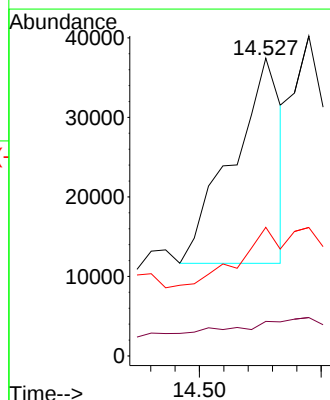
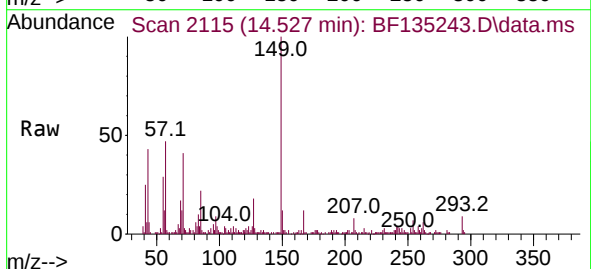
Instrument :  
BNA\_F  
ClientSampleId :  
359

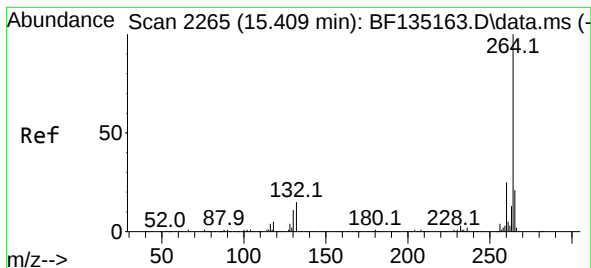
Tgt Ion:149 Resp: 44773  
Ion Ratio Lower Upper  
149 100  
167 26.2 21.9 32.9  
279 4.2 3.3 4.9



#85  
Di-n-octyl phthalate  
Concen: 3.191 ng  
RT: 14.527 min Scan# 2115  
Delta R.T. -0.023 min  
Lab File: BF135243.D  
Acq: 14 Sep 2023 02:14

Tgt Ion:149 Resp: 35986  
Ion Ratio Lower Upper  
149 100  
167 17.1 1.1 1.7#  
43 22.5 9.8 14.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.415 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF135243.D

Acq: 14 Sep 2023 02:14

Instrument :

BNA\_F

ClientSampleId :

359

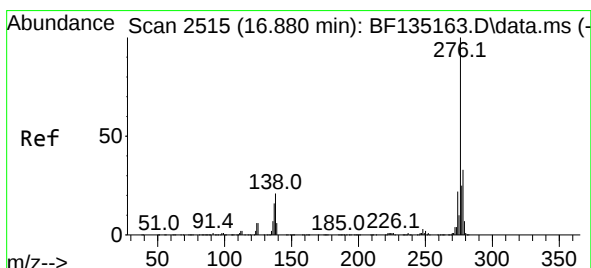
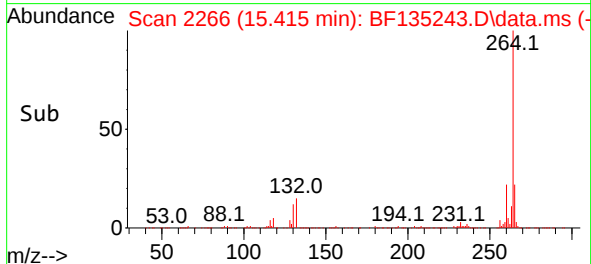
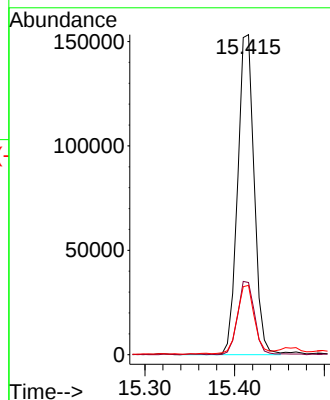
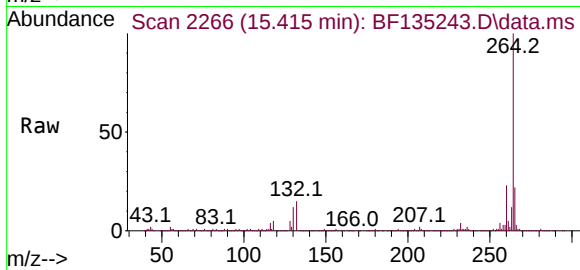
Tgt Ion:264 Resp: 195638

Ion Ratio Lower Upper

264 100

260 22.6 19.8 29.6

265 21.7 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.687 ng

RT: 16.886 min Scan# 2516

Delta R.T. 0.006 min

Lab File: BF135243.D

Acq: 14 Sep 2023 02:14

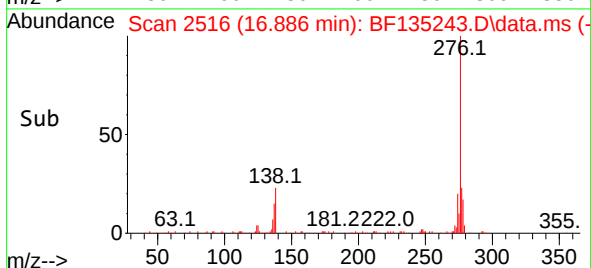
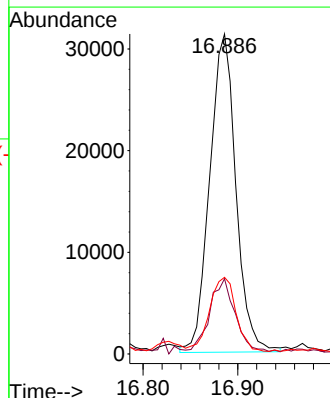
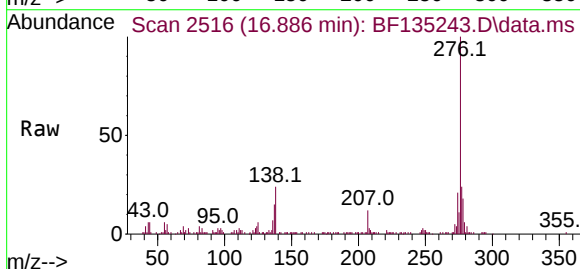
Tgt Ion:276 Resp: 60122

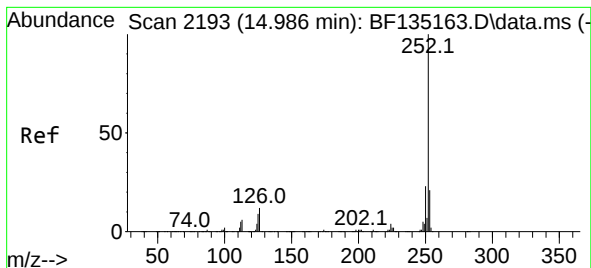
Ion Ratio Lower Upper

276 100

138 22.2 19.2 28.8

277 23.5 19.7 29.5





#88

Benzo(b)fluoranthene

Concen: 22.885 ng

RT: 14.986 min Scan# 2193

Delta R.T. 0.000 min

Lab File: BF135243.D

Acq: 14 Sep 2023 02:14

Instrument :

BNA\_F

ClientSampleId :

359

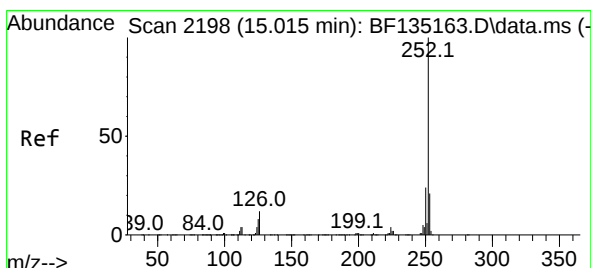
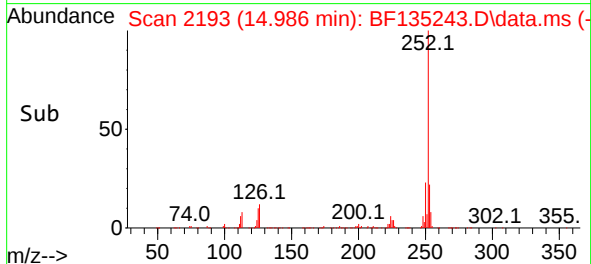
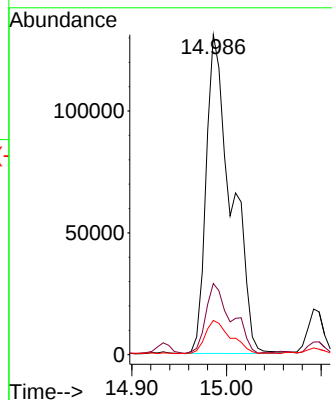
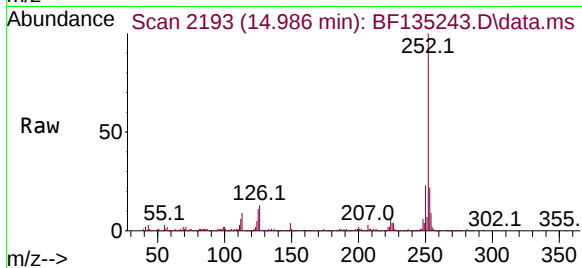
Tgt Ion:252 Resp: 242361

Ion Ratio Lower Upper

252 100

253 22.3 17.2 25.8

125 10.7 7.1 10.7#



#89

Benzo(k)fluoranthene

Concen: 23.167 ng

RT: 14.986 min Scan# 2193

Delta R.T. -0.029 min

Lab File: BF135243.D

Acq: 14 Sep 2023 02:14

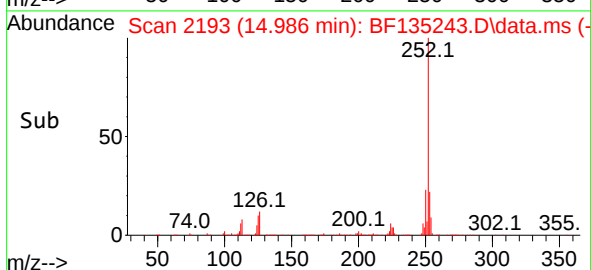
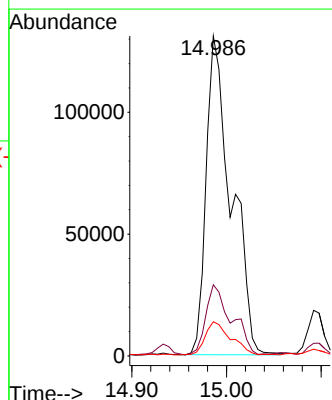
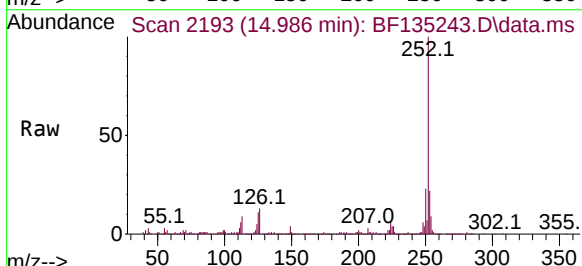
Tgt Ion:252 Resp: 242361

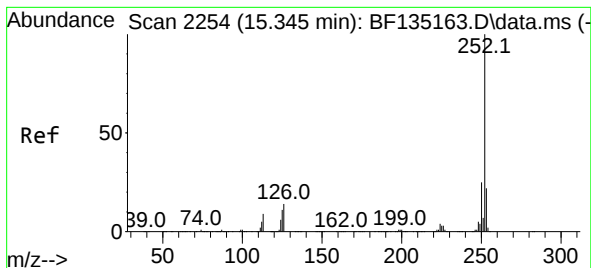
Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.0

125 10.7 7.2 10.8





#90

Benzo(a)pyrene

Concen: 10.812 ng

RT: 15.351 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF135243.D

Acq: 14 Sep 2023 02:14

Instrument :

BNA\_F

ClientSampleId :

359

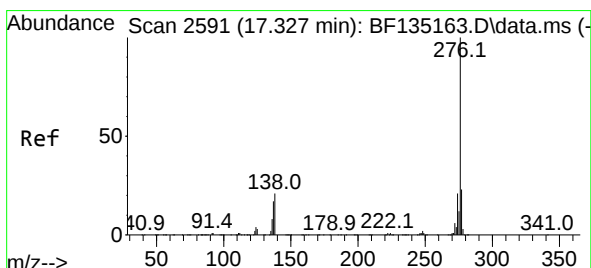
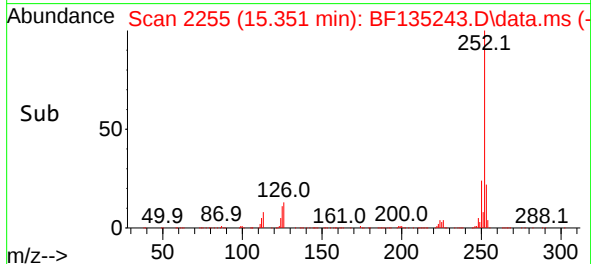
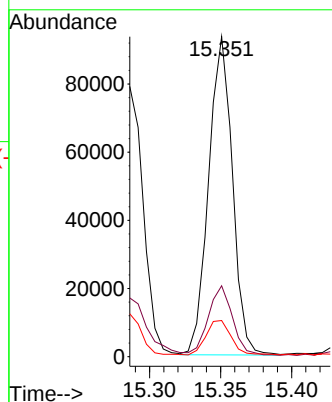
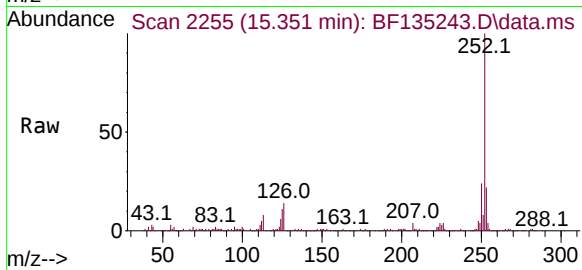
Tgt Ion:252 Resp: 109196

Ion Ratio Lower Upper

252 100

253 22.2 17.5 26.3

125 11.3 9.2 13.8



#92

Benzo(g,h,i)perylene

Concen: 5.150 ng

RT: 17.333 min Scan# 2592

Delta R.T. 0.006 min

Lab File: BF135243.D

Acq: 14 Sep 2023 02:14

Tgt Ion:276 Resp: 56452

Ion Ratio Lower Upper

276 100

277 24.3 18.8 28.2

138 21.6 16.9 25.3

