

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF092623\  
 Data File : BF135455.D  
 Acq On : 26 Sep 2023 16:25  
 Operator : CG\JU  
 Sample : 04531-04  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-A

Quant Time: Sep 27 02:14:18 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 26 01:36:36 2023  
 Response via : Initial Calibration

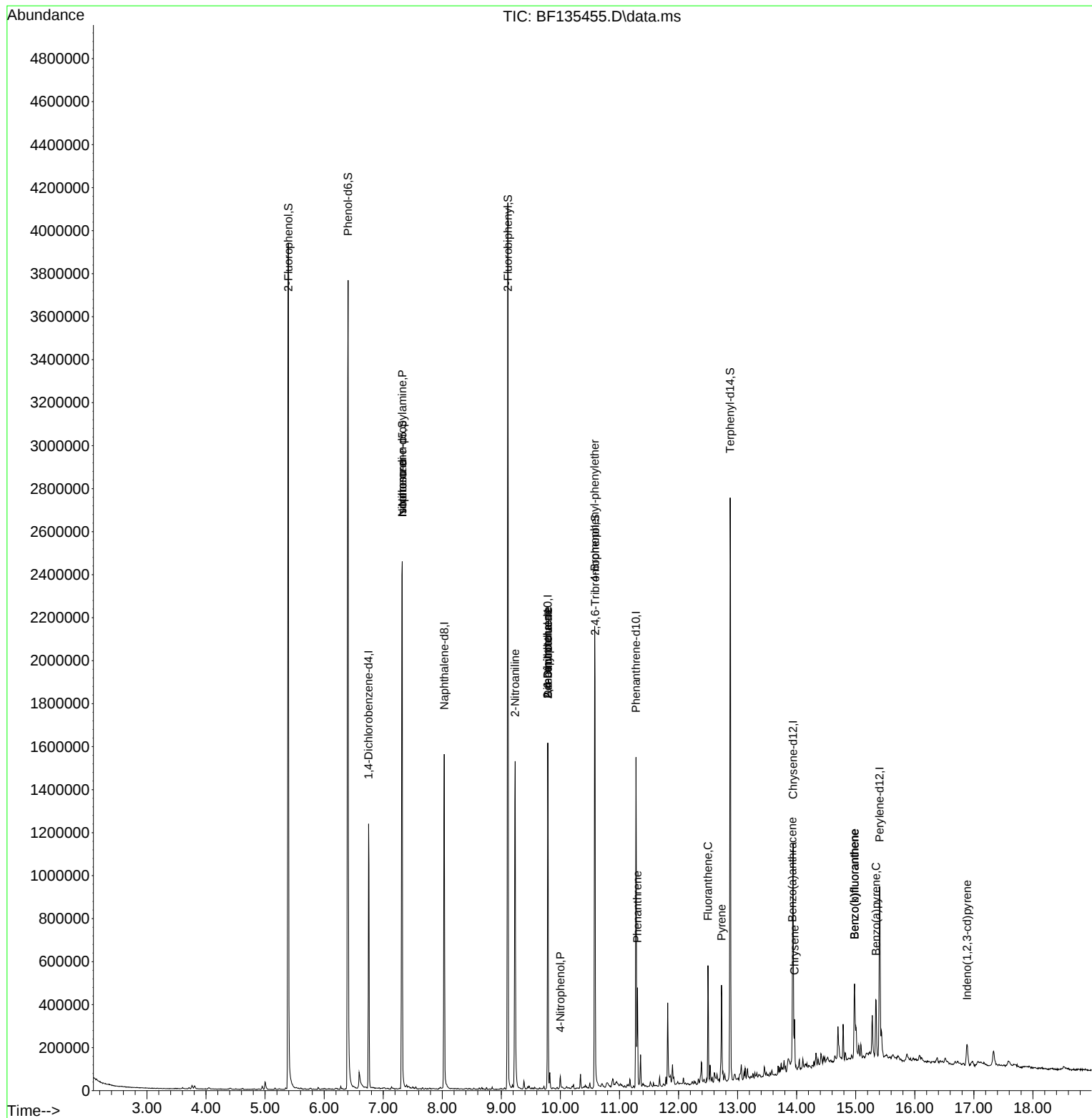
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.751  | 152  | 179289   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.034  | 136  | 680830   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.786  | 164  | 320267   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.280 | 188  | 533282   | 20.000 | ng    | # 0.00   |
| 76) Chrysene-d12              | 13.939 | 240  | 321362   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.404 | 264  | 389048   | 20.000 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.393  | 112  | 1086490  | 98.563 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.404  | 99   | 1391186  | 99.251 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.322  | 82   | 857998   | 68.467 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.586 | 330  | 259235   | 81.452 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.110  | 172  | 1342669  | 63.251 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.874 | 244  | 984629   | 47.497 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.322  | 70   | 111639   | 12.859 | ng    | # 81     |
| 25) Isophorone                | 7.322  | 82   | 856288   | 37.212 | ng    | # 65     |
| 48) 2-Nitroaniline            | 9.234  | 65   | 16645    | 2.399  | ng    | # 16     |
| 50) Dimethylphthalate         | 9.786  | 163  | 59238    | 2.736  | ng    | # 1      |
| 51) 2,6-Dinitrotoluene        | 9.786  | 165  | 41695    | 8.790  | ng    | # 17     |
| 56) 4-Nitrophenol             | 9.998  | 139  | 7289     | 2.060  | ng    | # 5      |
| 57) 2,4-Dinitrotoluene        | 9.786  | 165  | 41695    | 7.021  | ng    | # 18     |
| 67) 4-Bromophenyl-phenylether | 10.581 | 248  | 17122    | 3.228  | ng    | # 1      |
| 71) Phenanthrene              | 11.304 | 178  | 145335   | 5.762  | ng    | 98       |
| 75) Fluoranthene              | 12.498 | 202  | 210606   | 8.014  | ng    | 97       |
| 78) Pyrene                    | 12.727 | 202  | 184394   | 6.027  | ng    | 99       |
| 81) Benzo(a)anthracene        | 13.927 | 228  | 105298   | 5.074  | ng    | 97       |
| 83) Chrysene                  | 13.963 | 228  | 86058    | 4.171  | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.886 | 276  | 64758    | 2.539  | ng    | 97       |
| 88) Benzo(b)fluoranthene      | 14.980 | 252  | 237673   | 11.285 | ng    | # 93     |
| 89) Benzo(k)fluoranthene      | 14.980 | 252  | 237673   | 11.424 | ng    | # 93     |
| 90) Benzo(a)pyrene            | 15.345 | 252  | 132014   | 6.573  | ng    | 97       |
| -----                         |        |      |          |        |       |          |

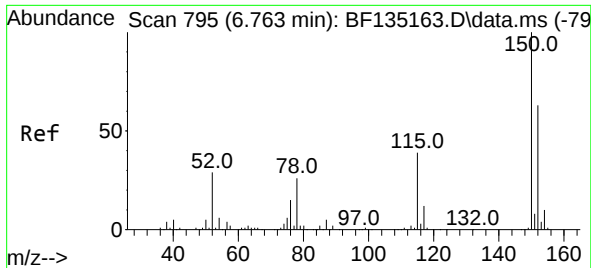
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Sep 26 01:36:36 2023  
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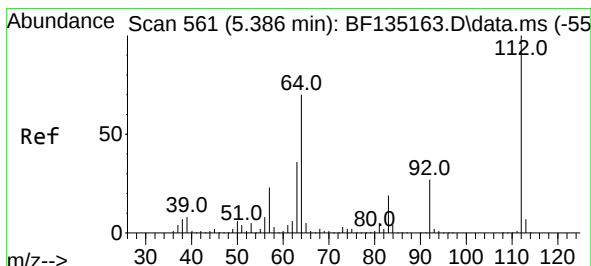
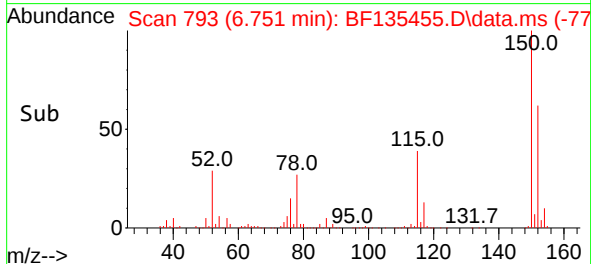
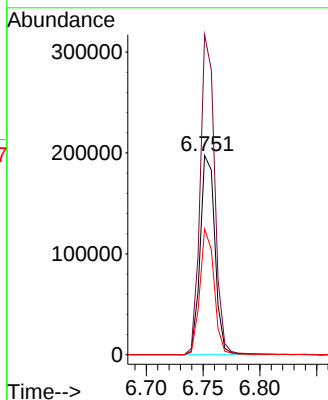
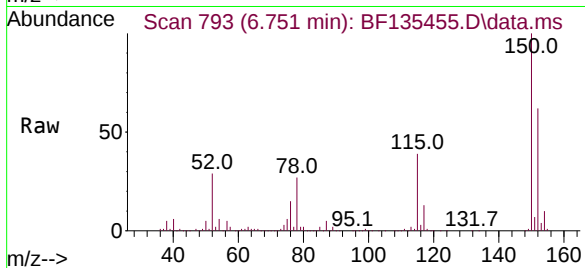




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.751 min Scan# 795  
Delta R.T. 0.000 min  
Lab File: BF135455.D  
Acq: 26 Sep 2023 16:25

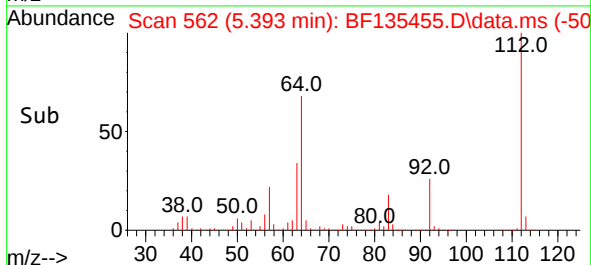
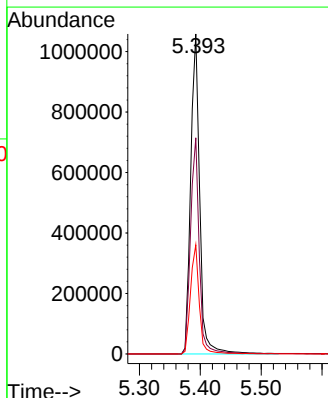
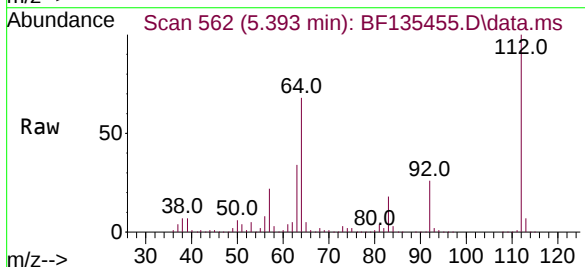
Instrument :  
BNA\_F  
ClientSampleId :  
TP-A

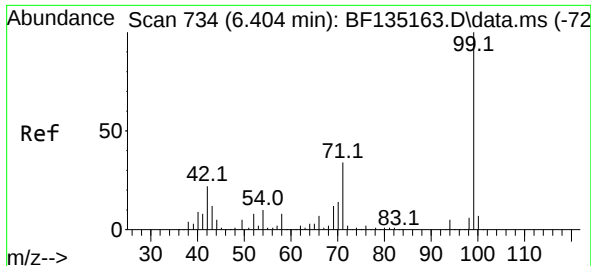
Tgt Ion:152 Resp: 179289  
Ion Ratio Lower Upper  
152 100  
150 160.6 127.8 191.6  
115 63.2 49.8 74.8



#5  
2-Fluorophenol  
Concen: 98.563 ng  
RT: 5.393 min Scan# 562  
Delta R.T. 0.012 min  
Lab File: BF135455.D  
Acq: 26 Sep 2023 16:25

Tgt Ion:112 Resp: 1086490  
Ion Ratio Lower Upper  
112 100  
64 67.5 55.9 83.9  
63 34.1 29.0 43.6





#7

Phenol-d6

Concen: 99.251 ng

RT: 6.404 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF135455.D

Acq: 26 Sep 2023 16:25

Instrument :

BNA\_F

ClientSampleId :

TP-A

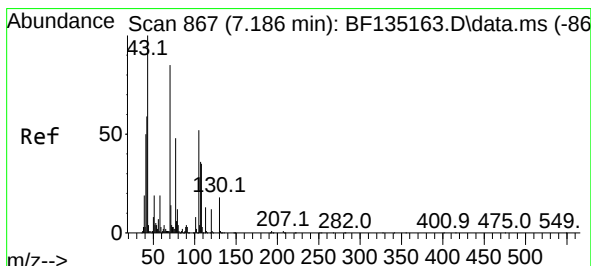
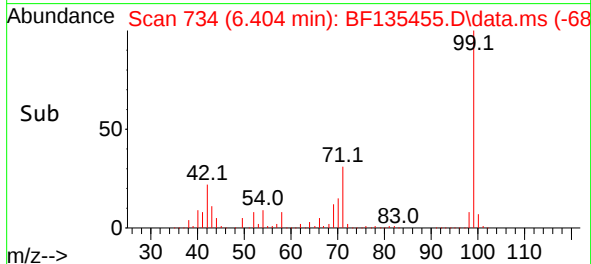
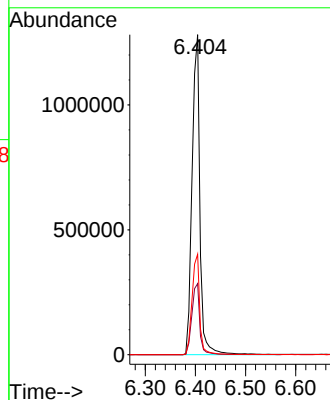
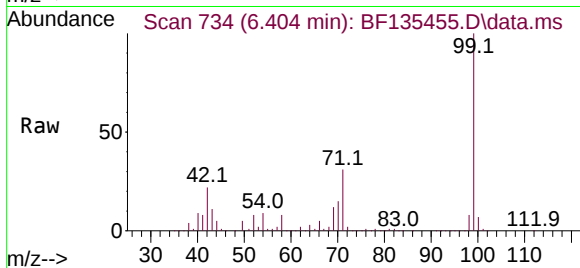
Tgt Ion: 99 Resp: 1391186

Ion Ratio Lower Upper

99 100

42 22.2 17.9 26.9

71 31.4 27.0 40.6



#19

n-Nitroso-di-n-propylamine

Concen: 12.859 ng

RT: 7.322 min Scan# 890

Delta R.T. 0.147 min

Lab File: BF135455.D

Acq: 26 Sep 2023 16:25

Tgt Ion: 70 Resp: 111639

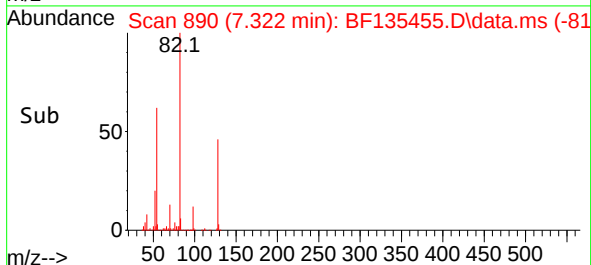
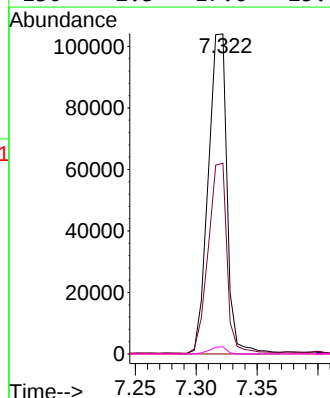
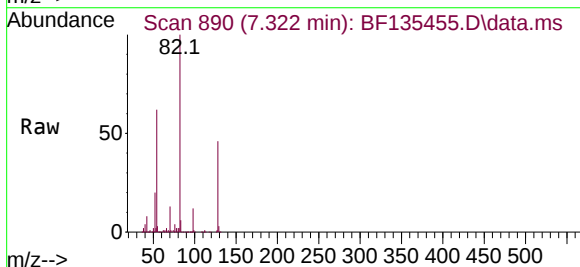
Ion Ratio Lower Upper

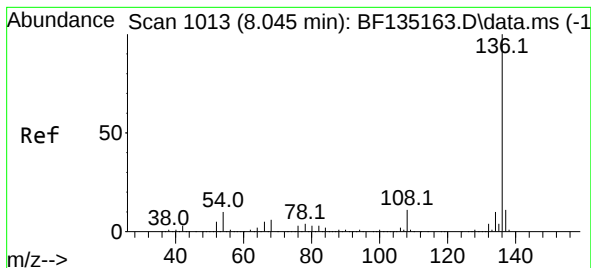
70 100

42 59.6 55.4 83.0

101 0.0 7.7 11.5#

130 2.3 17.0 25.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.034 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF135455.D

Acq: 26 Sep 2023 16:25

Instrument :

BNA\_F

ClientSampleId :

TP-A

Tgt Ion:136 Resp: 680830

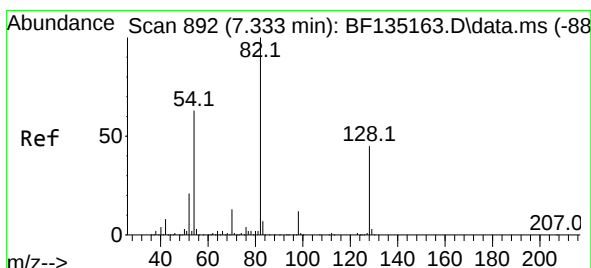
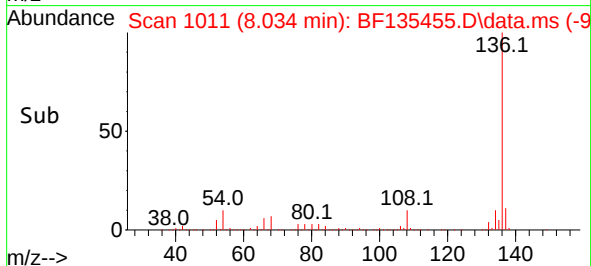
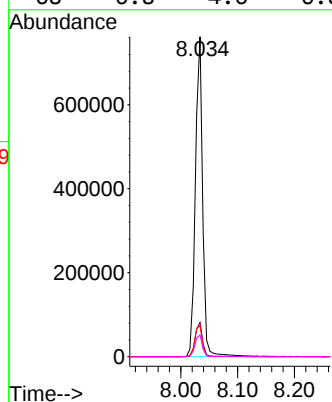
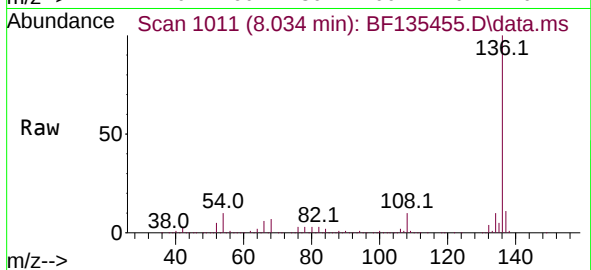
Ion Ratio Lower Upper

136 100

137 10.8 8.8 13.2

54 9.8 7.7 11.5

68 6.8 4.6 6.8



#23

Nitrobenzene-d5

Concen: 68.467 ng

RT: 7.322 min Scan# 890

Delta R.T. 0.000 min

Lab File: BF135455.D

Acq: 26 Sep 2023 16:25

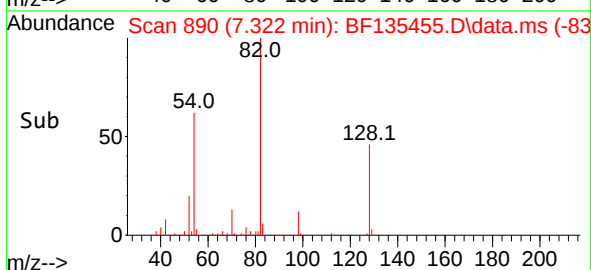
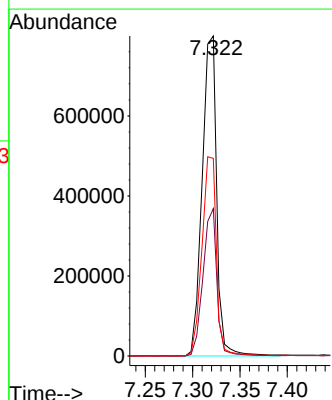
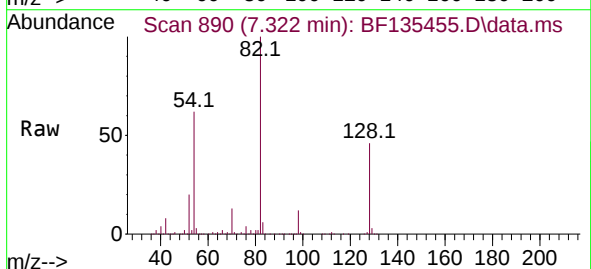
Tgt Ion: 82 Resp: 857998

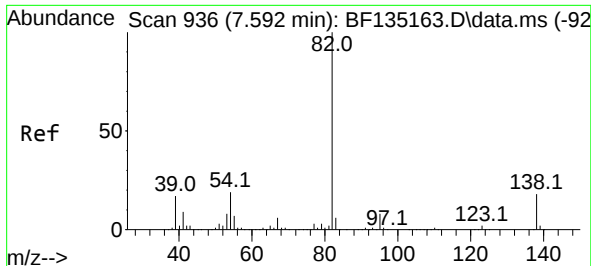
Ion Ratio Lower Upper

82 100

128 46.1 35.8 53.6

54 61.7 50.6 76.0

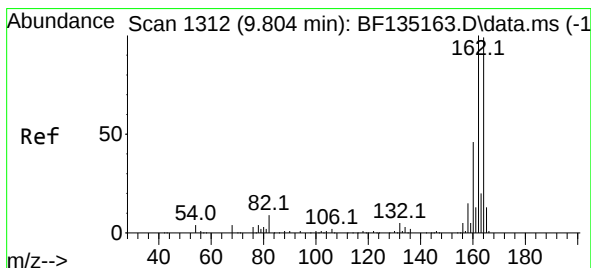
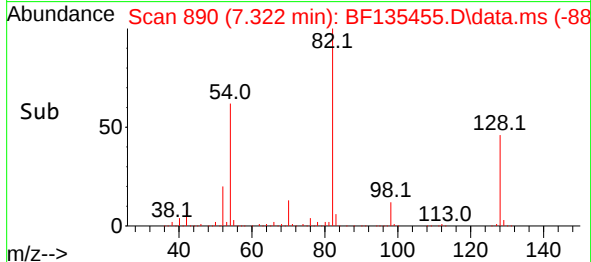
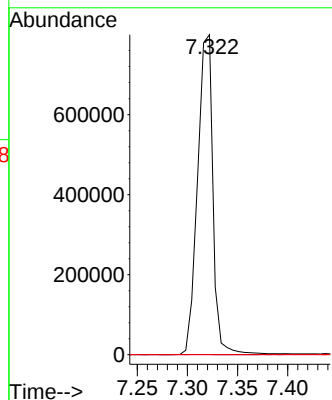
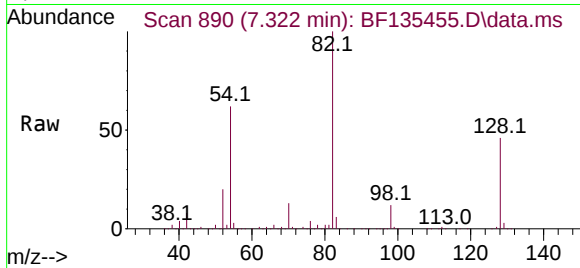




#25  
Isophorone  
Concen: 37.212 ng  
RT: 7.322 min Scan# 89  
Delta R.T. -0.259 min  
Lab File: BF135455.D  
Acq: 26 Sep 2023 16:25

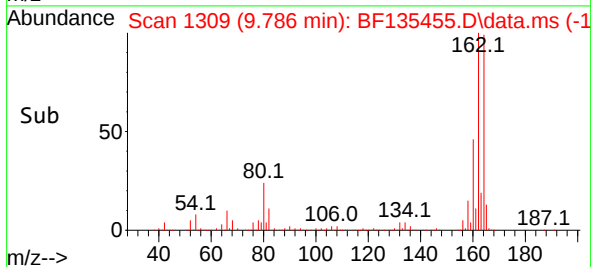
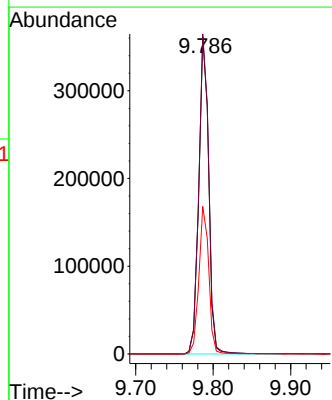
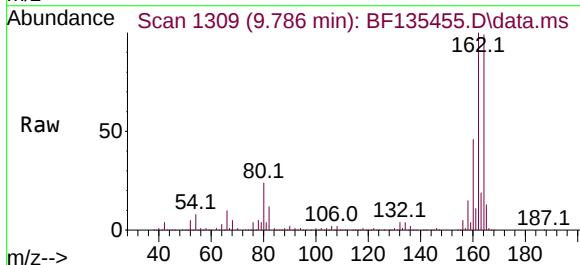
Instrument :  
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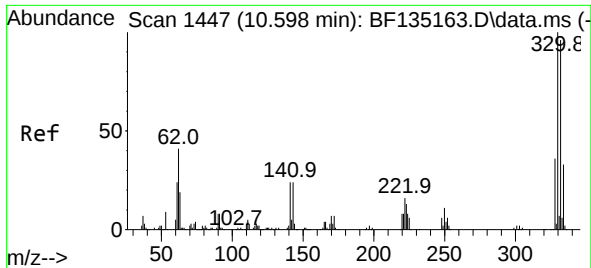
Tgt Ion: 82 Resp: 856288  
Ion Ratio Lower Upper  
82 100  
95 0.1 6.0 9.0#  
138 0.0 14.5 21.7#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.786 min Scan# 1309  
Delta R.T. -0.006 min  
Lab File: BF135455.D  
Acq: 26 Sep 2023 16:25

Tgt Ion: 164 Resp: 320267  
Ion Ratio Lower Upper  
164 100  
162 100.9 81.0 121.4  
160 46.5 37.0 55.4

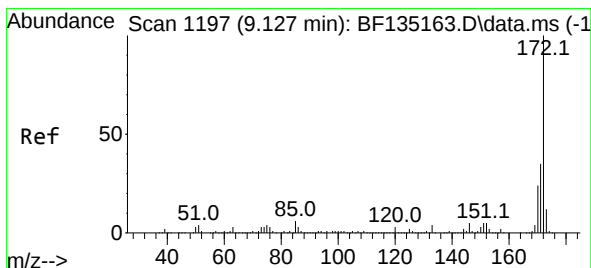
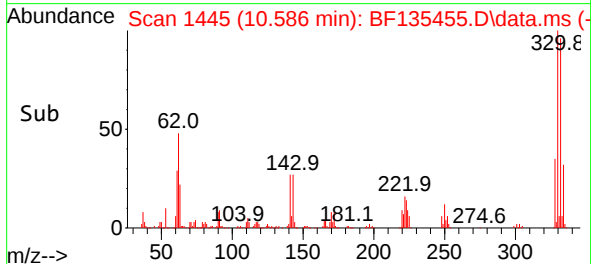
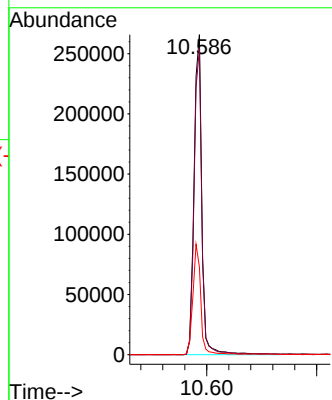
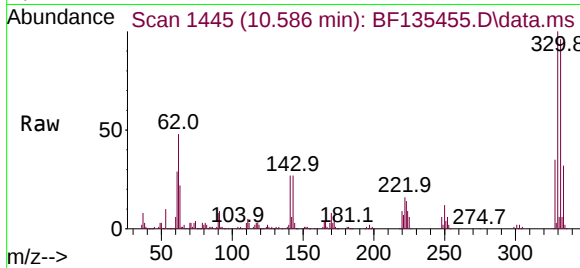




#42  
2,4,6-Tribromophenol  
Concen: 81.452 ng  
RT: 10.586 min Scan# 1445  
Delta R.T. 0.000 min  
Lab File: BF135455.D  
Acq: 26 Sep 2023 16:25

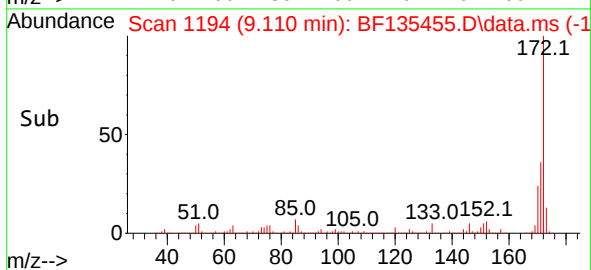
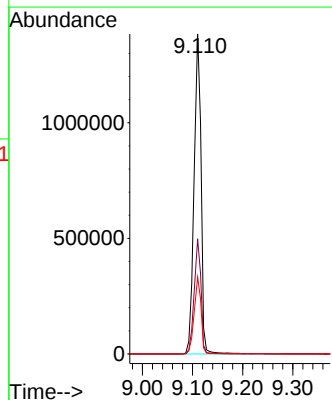
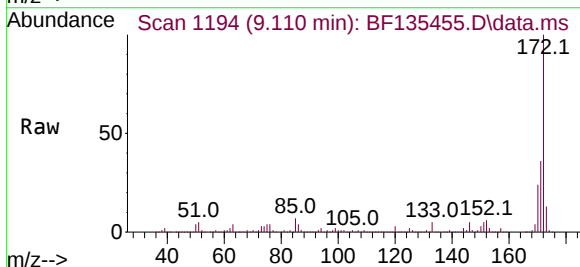
Instrument :  
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ClientSampleId :  
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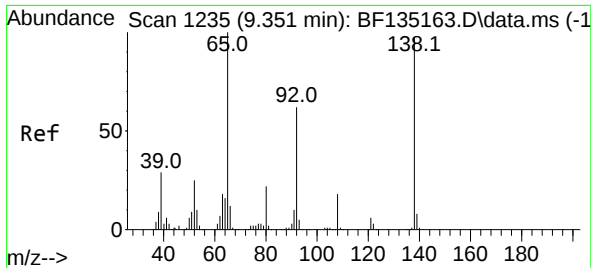
Tgt Ion:330 Resp: 259235  
Ion Ratio Lower Upper  
330 100  
332 94.6 77.3 115.9  
141 34.8 25.8 38.8



#45  
2-Fluorobiphenyl  
Concen: 63.251 ng  
RT: 9.110 min Scan# 1194  
Delta R.T. -0.006 min  
Lab File: BF135455.D  
Acq: 26 Sep 2023 16:25

Tgt Ion:172 Resp: 1342669  
Ion Ratio Lower Upper  
172 100  
171 36.0 28.4 42.6  
170 24.0 19.0 28.4





#48

2-Nitroaniline

Concen: 2.399 ng

RT: 9.234 min Scan# 11

Delta R.T. -0.112 min

Lab File: BF135455.D

Acq: 26 Sep 2023 16:25

Instrument :

BNA\_F

ClientSampleId :

TP-A

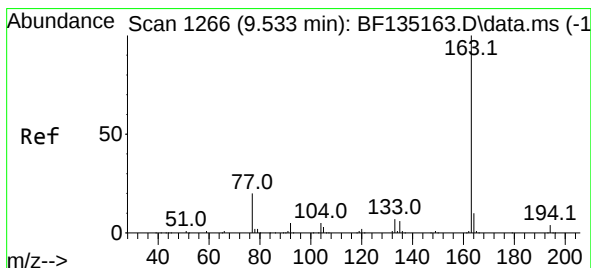
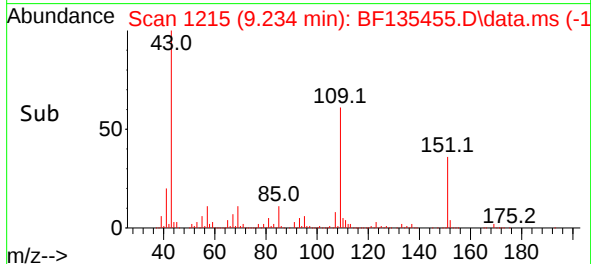
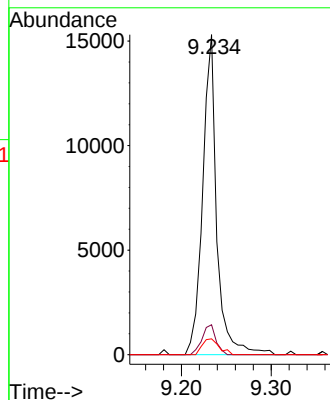
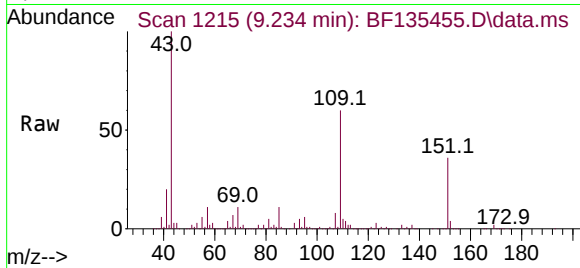
Tgt Ion: 65 Resp: 16645

Ion Ratio Lower Upper

65 100

92 9.3 49.4 74.0#

138 5.0 77.4 116.0#



#50

Dimethylphthalate

Concen: 2.736 ng

RT: 9.786 min Scan# 1309

Delta R.T. 0.265 min

Lab File: BF135455.D

Acq: 26 Sep 2023 16:25

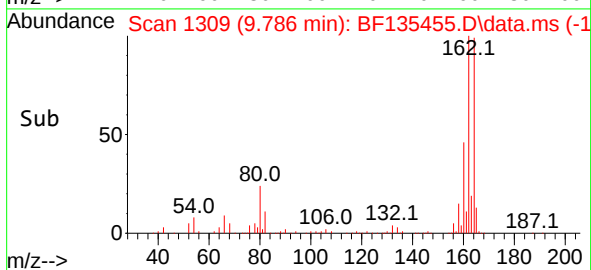
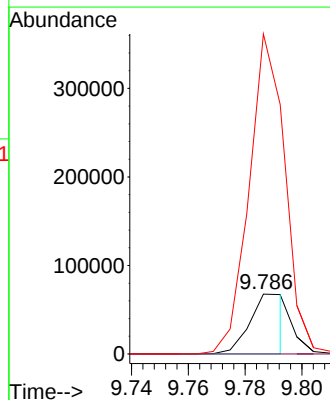
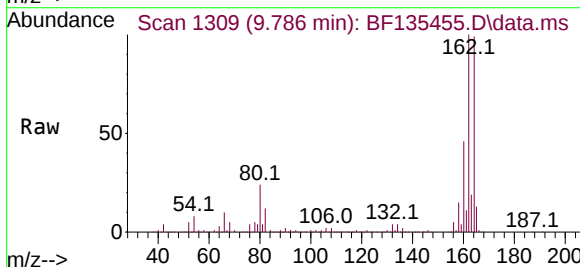
Tgt Ion: 163 Resp: 59238

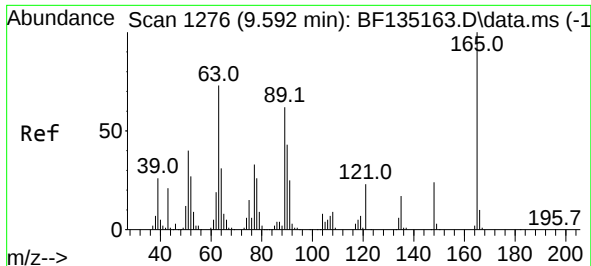
Ion Ratio Lower Upper

163 100

194 0.0 3.1 4.7#

164 534.2 8.1 12.1#





#51

2,6-Dinitrotoluene

Concen: 8.790 ng

RT: 9.786 min Scan# 1

Delta R.T. 0.200 min

Lab File: BF135455.D

Acq: 26 Sep 2023 16:25

Instrument :

BNA\_F

ClientSampleId :

TP-A

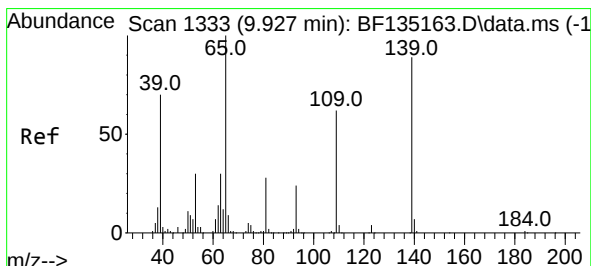
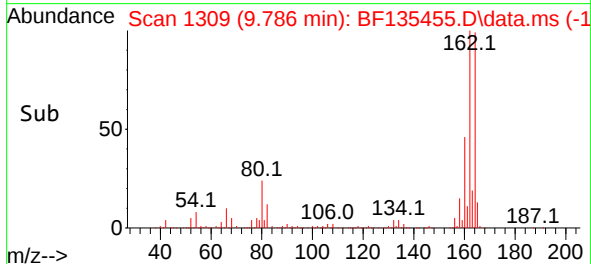
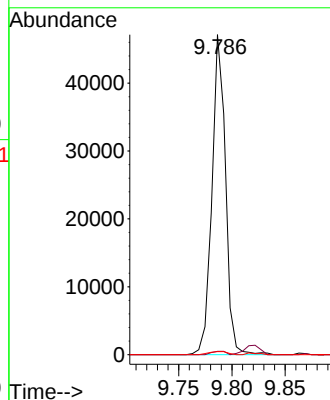
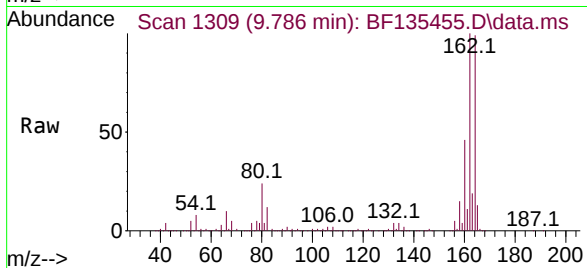
Tgt Ion:165 Resp: 41695

Ion Ratio Lower Upper

165 100

63 1.0 59.4 89.2#

89 0.9 49.8 74.8#



#56

4-Nitrophenol

Concen: 2.060 ng

RT: 9.998 min Scan# 1345

Delta R.T. 0.065 min

Lab File: BF135455.D

Acq: 26 Sep 2023 16:25

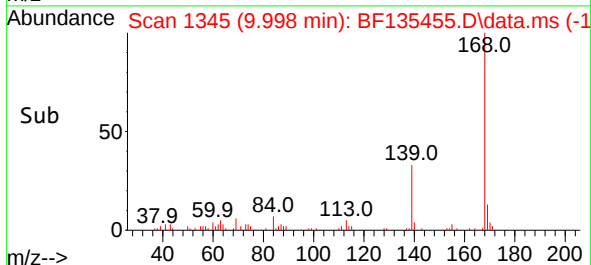
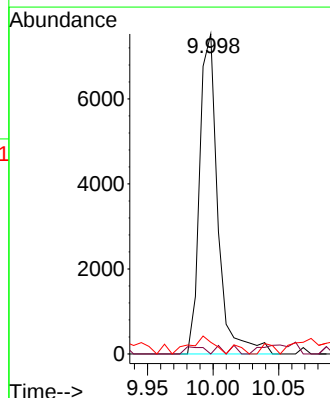
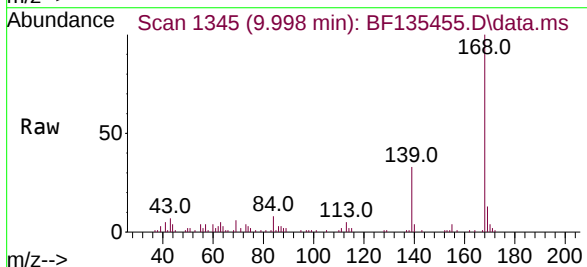
Tgt Ion:139 Resp: 7289

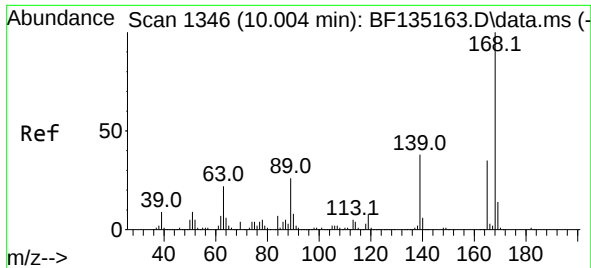
Ion Ratio Lower Upper

139 100

109 0.0 49.8 89.8#

65 3.6 92.7 132.7#

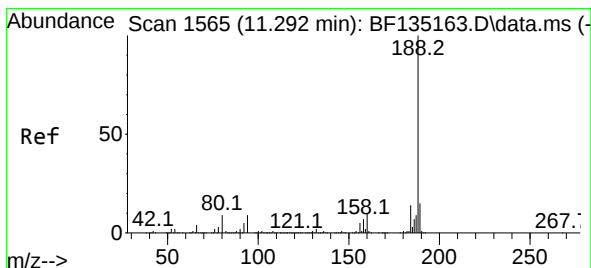
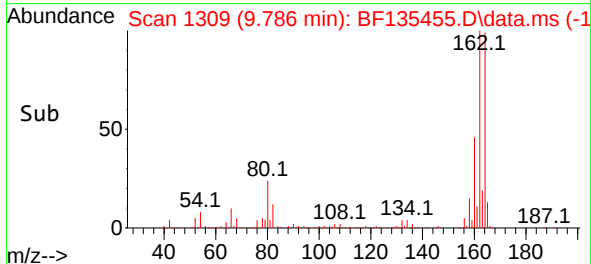
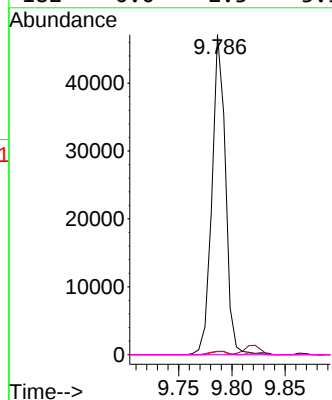
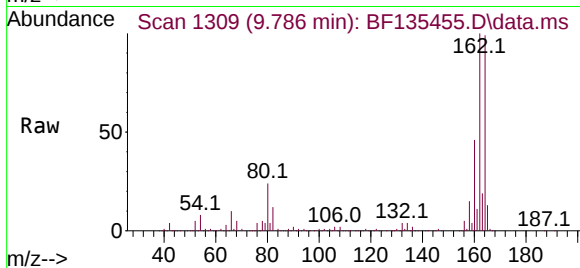




#57  
2,4-Dinitrotoluene  
Concen: 7.021 ng  
RT: 9.786 min Scan# 11  
Delta R.T. -0.212 min  
Lab File: BF135455.D  
Acq: 26 Sep 2023 16:25

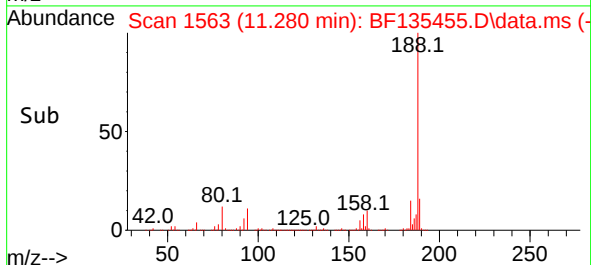
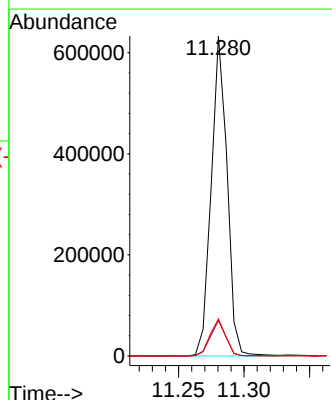
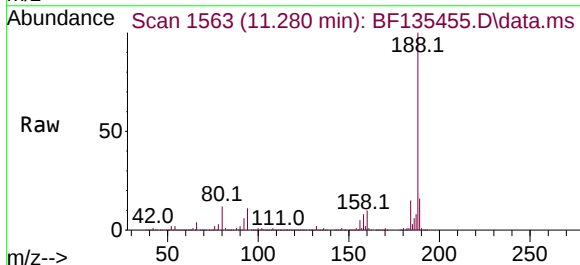
Instrument :  
BNA\_F  
ClientSampleId :  
TP-A

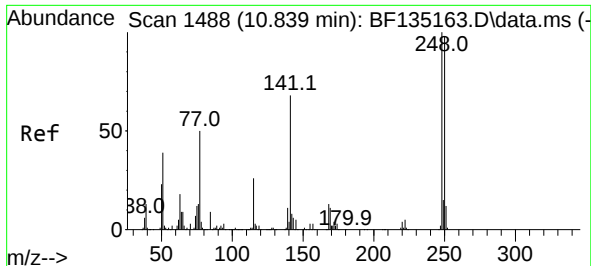
Tgt Ion:165 Resp: 41695  
Ion Ratio Lower Upper  
165 100  
63 1.0 50.1 75.1#  
89 0.9 59.3 88.9#  
182 0.0 2.3 3.5#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.280 min Scan# 1563  
Delta R.T. -0.006 min  
Lab File: BF135455.D  
Acq: 26 Sep 2023 16:25

Tgt Ion:188 Resp: 533282  
Ion Ratio Lower Upper  
188 100  
94 11.1 7.0 10.6#  
80 11.6 7.5 11.3#





#67

4-Bromophenyl-phenylether

Concen: 3.228 ng

RT: 10.581 min Scan# 14

Delta R.T. -0.247 min

Lab File: BF135455.D

Acq: 26 Sep 2023 16:25

Instrument :

BNA\_F

ClientSampleId :

TP-A

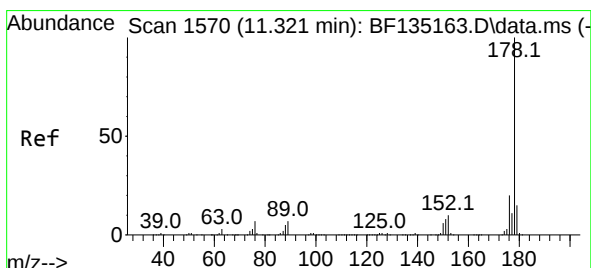
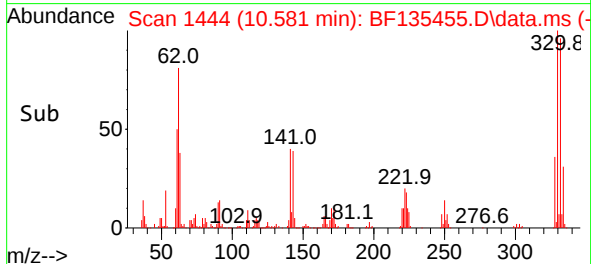
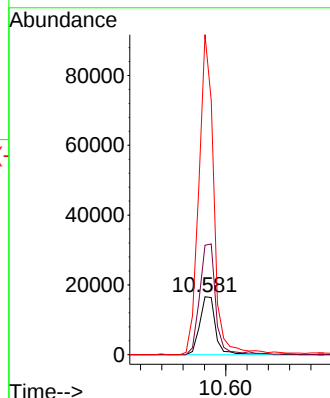
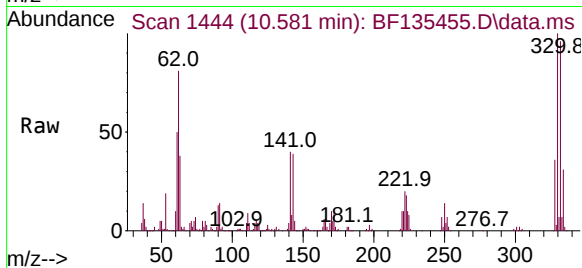
Tgt Ion:248 Resp: 17122

Ion Ratio Lower Upper

248 100

250 189.1 78.6 117.8#

141 552.9 54.2 81.2#



#71

Phenanthrene

Concen: 5.762 ng

RT: 11.304 min Scan# 1567

Delta R.T. -0.006 min

Lab File: BF135455.D

Acq: 26 Sep 2023 16:25

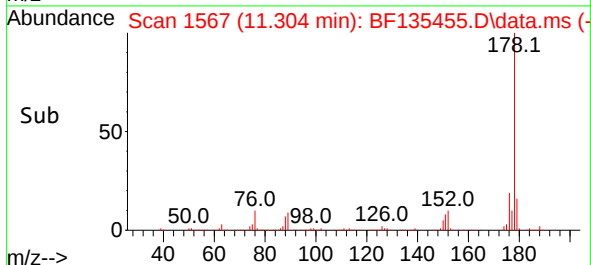
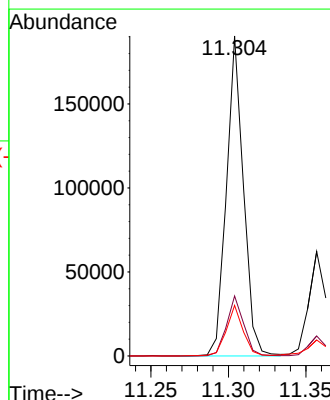
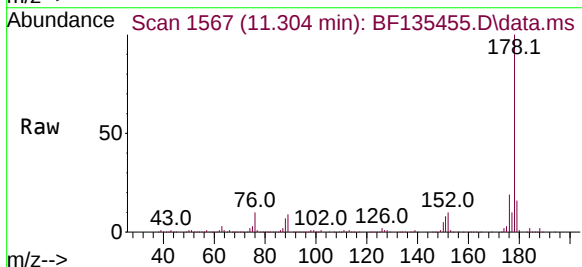
Tgt Ion:178 Resp: 145335

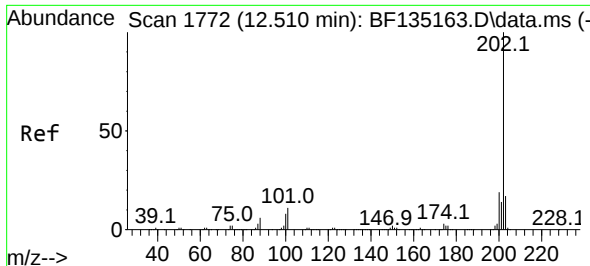
Ion Ratio Lower Upper

178 100

176 18.8 15.6 23.4

179 15.8 12.0 18.0

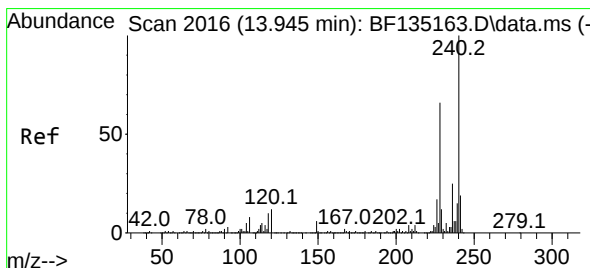
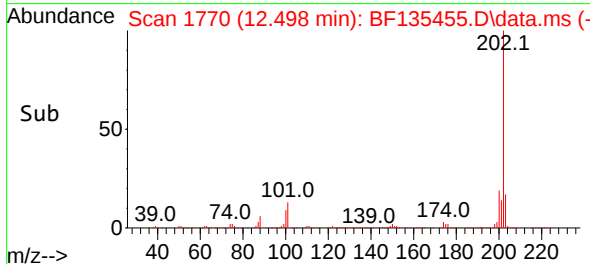
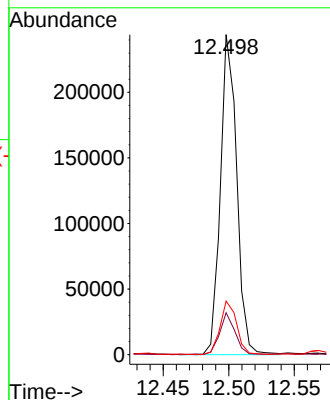
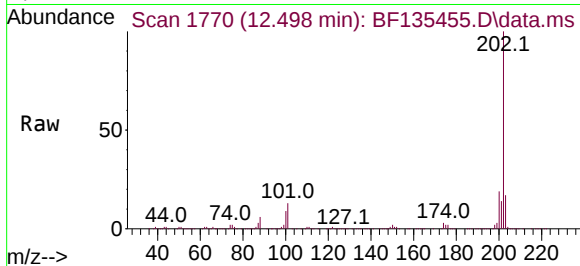




#75  
Fluoranthene  
Concen: 8.014 ng  
RT: 12.498 min Scan# 1  
Delta R.T. -0.006 min  
Lab File: BF135455.D  
Acq: 26 Sep 2023 16:25

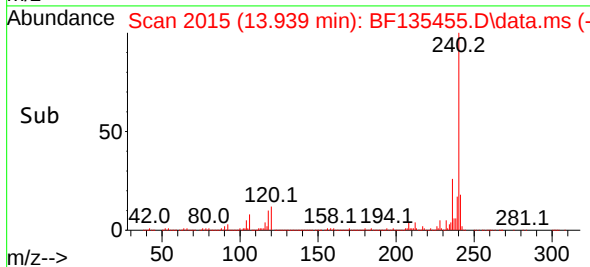
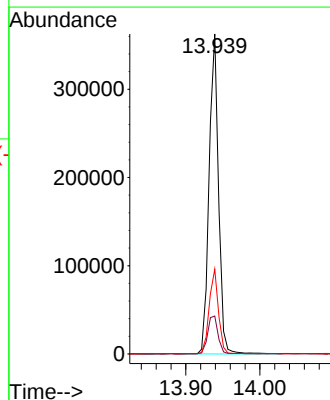
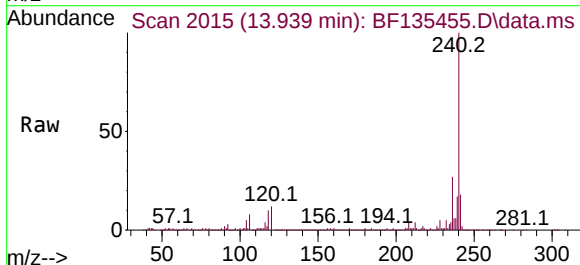
Instrument :  
BNA\_F  
ClientSampleId :  
TP-A

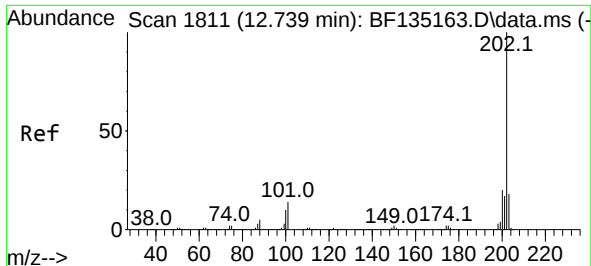
Tgt Ion:202 Resp: 210606  
Ion Ratio Lower Upper  
202 100  
101 13.1 0.0 31.3  
203 16.7 0.0 37.4



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.939 min Scan# 2015  
Delta R.T. -0.006 min  
Lab File: BF135455.D  
Acq: 26 Sep 2023 16:25

Tgt Ion:240 Resp: 321362  
Ion Ratio Lower Upper  
240 100  
120 11.8 9.4 14.2  
236 26.5 19.8 29.8

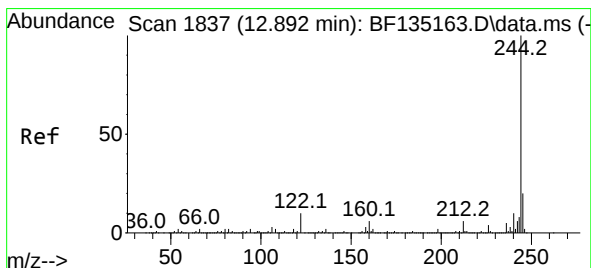
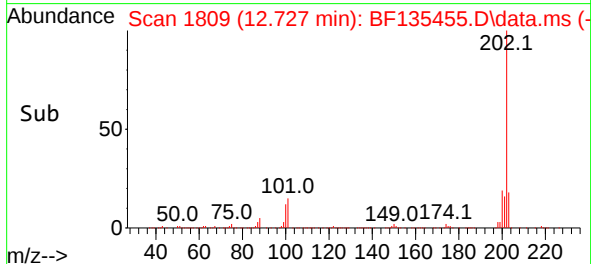
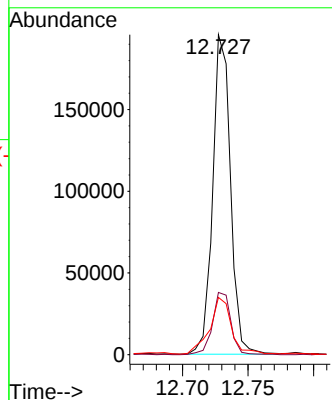
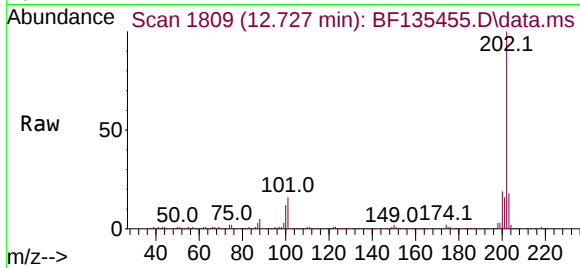




#78  
Pyrene  
Concen: 6.027 ng  
RT: 12.727 min Scan# 1809  
Delta R.T. -0.006 min  
Lab File: BF135455.D  
Acq: 26 Sep 2023 16:25

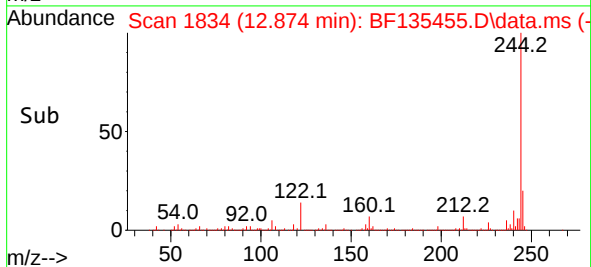
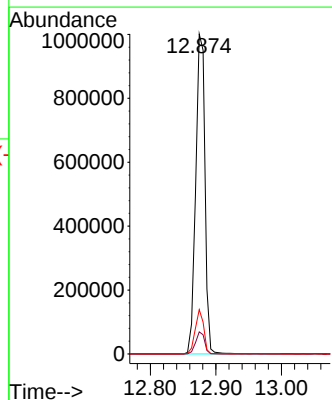
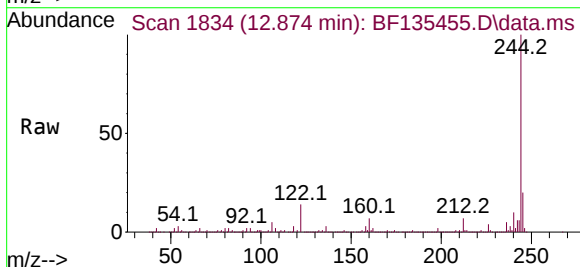
Instrument :  
BNA\_F  
ClientSampleId :  
TP-A

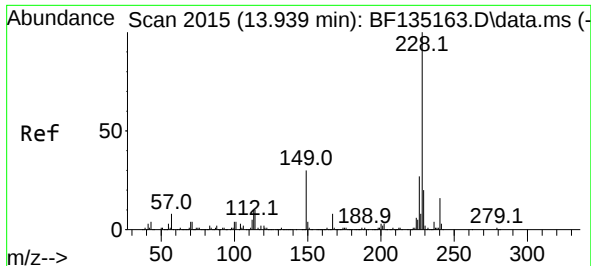
Tgt Ion:202 Resp: 184394  
Ion Ratio Lower Upper  
202 100  
200 19.4 16.2 24.2  
203 17.9 14.2 21.4



#79  
Terphenyl-d14  
Concen: 47.497 ng  
RT: 12.874 min Scan# 1834  
Delta R.T. -0.006 min  
Lab File: BF135455.D  
Acq: 26 Sep 2023 16:25

Tgt Ion:244 Resp: 984629  
Ion Ratio Lower Upper  
244 100  
212 6.9 5.1 7.7  
122 13.9 7.9 11.9#

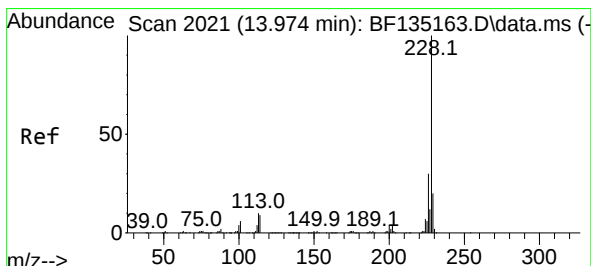
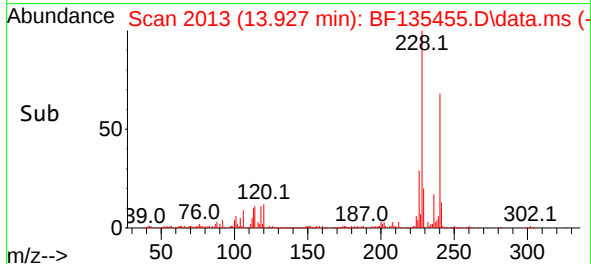
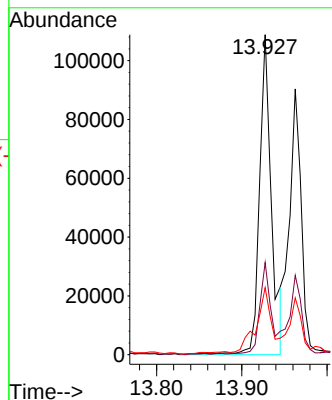
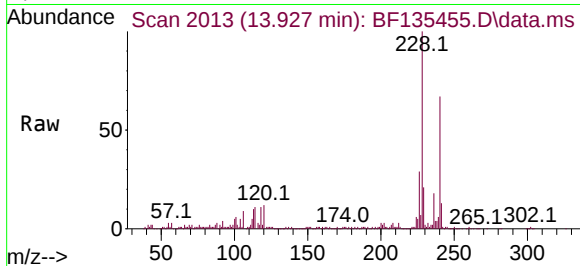




#81  
Benzo(a)anthracene  
Concen: 5.074 ng  
RT: 13.927 min Scan# 2019  
Delta R.T. -0.006 min  
Lab File: BF135455.D  
Acq: 26 Sep 2023 16:25

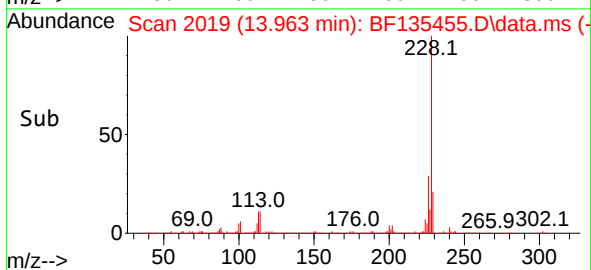
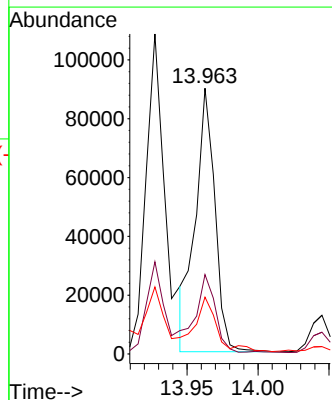
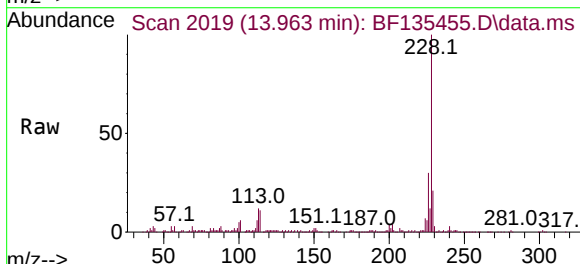
Instrument :  
BNA\_F  
ClientSampleId :  
TP-A

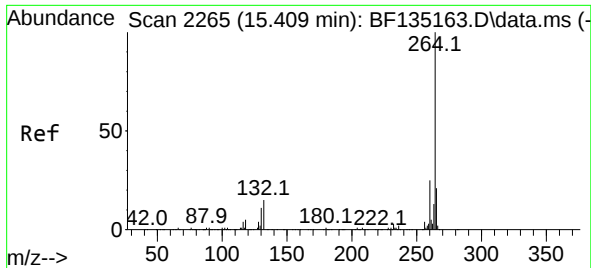
Tgt Ion:228 Resp: 105298  
Ion Ratio Lower Upper  
228 100  
226 28.8 21.7 32.5  
229 20.9 15.8 23.8



#83  
Chrysene  
Concen: 4.171 ng  
RT: 13.963 min Scan# 2019  
Delta R.T. -0.006 min  
Lab File: BF135455.D  
Acq: 26 Sep 2023 16:25

Tgt Ion:228 Resp: 86058  
Ion Ratio Lower Upper  
228 100  
226 29.8 24.3 36.5  
229 21.4 16.0 24.0

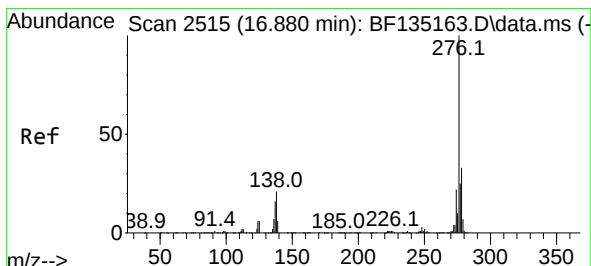
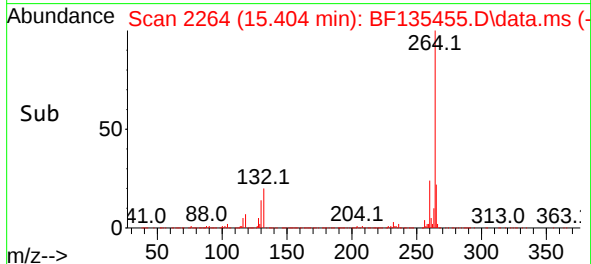
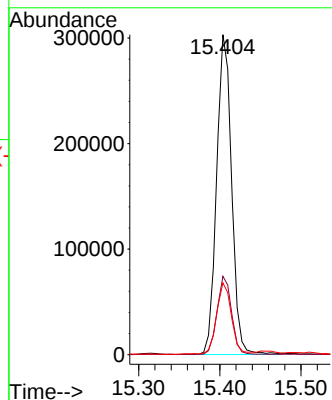
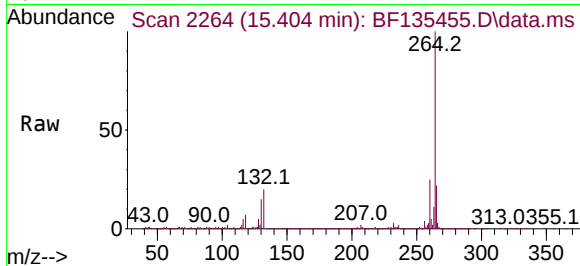




#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.404 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BF135455.D  
Acq: 26 Sep 2023 16:25

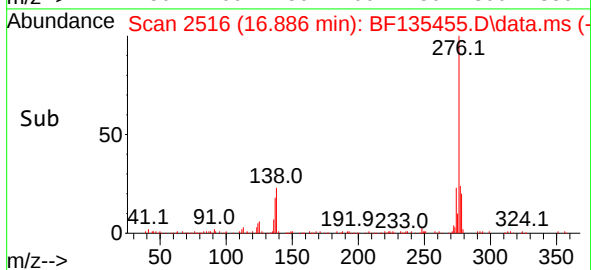
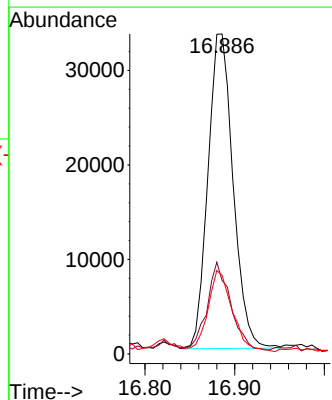
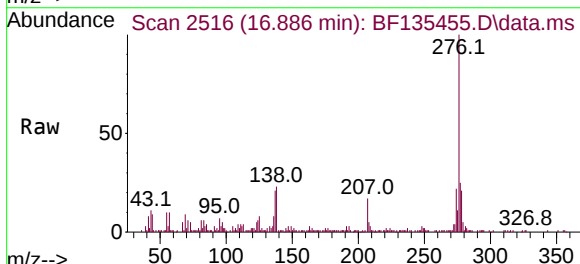
Instrument :  
BNA\_F  
ClientSampleId :  
TP-A

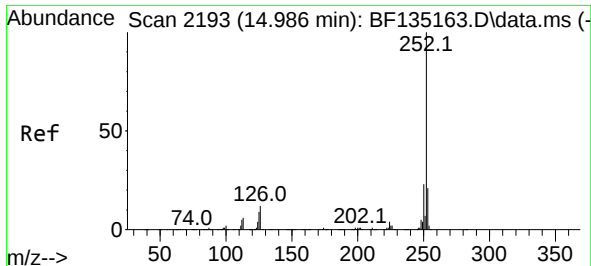
Tgt Ion:264 Resp: 389048  
Ion Ratio Lower Upper  
264 100  
260 24.5 19.8 29.6  
265 22.4 17.0 25.4



#87  
Indeno(1,2,3-cd)pyrene  
Concen: 2.539 ng  
RT: 16.886 min Scan# 2516  
Delta R.T. 0.000 min  
Lab File: BF135455.D  
Acq: 26 Sep 2023 16:25

Tgt Ion:276 Resp: 64758  
Ion Ratio Lower Upper  
276 100  
138 26.1 19.2 28.8  
277 25.0 19.7 29.5

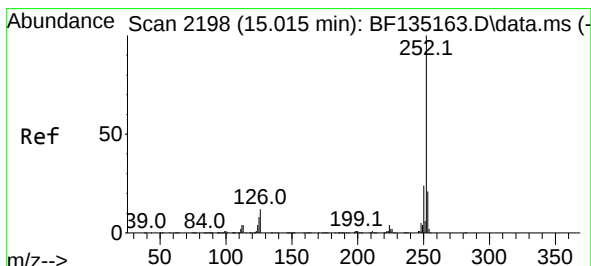
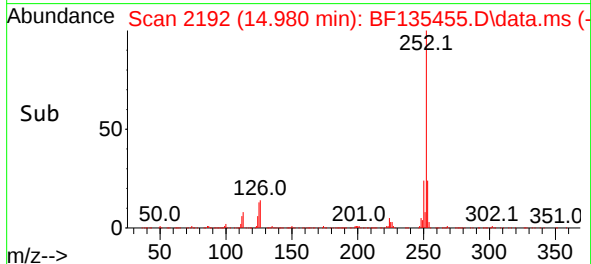
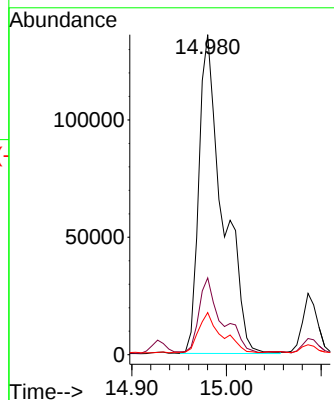
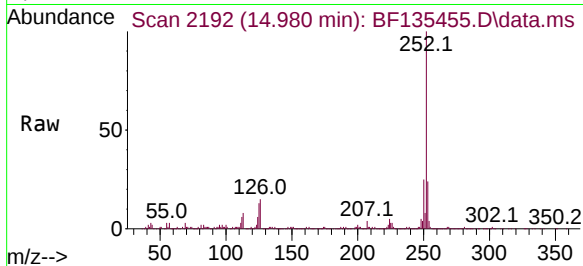




#88  
Benzo(b)fluoranthene  
Concen: 11.285 ng  
RT: 14.980 min Scan# 2192  
Delta R.T. 0.000 min  
Lab File: BF135455.D  
Acq: 26 Sep 2023 16:25

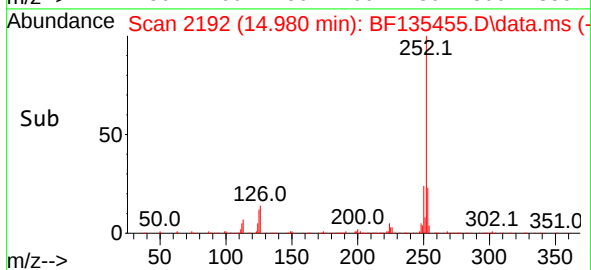
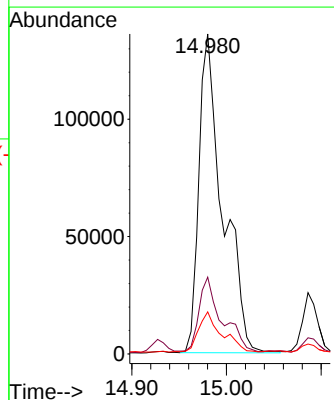
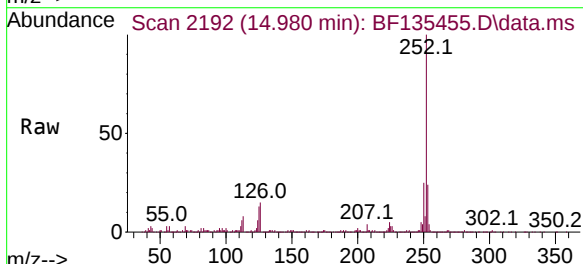
Instrument :  
BNA\_F  
ClientSampleId :  
TP-A

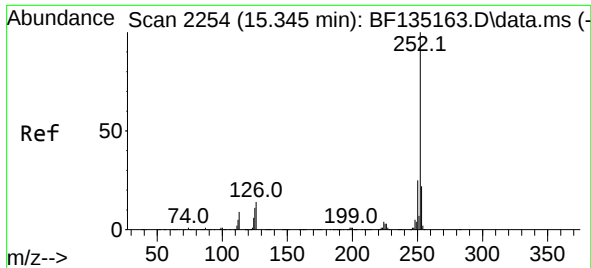
Tgt Ion:252 Resp: 237673  
Ion Ratio Lower Upper  
252 100  
253 24.0 17.2 25.8  
125 13.2 7.1 10.7#



#89  
Benzo(k)fluoranthene  
Concen: 11.424 ng  
RT: 14.980 min Scan# 2192  
Delta R.T. -0.029 min  
Lab File: BF135455.D  
Acq: 26 Sep 2023 16:25

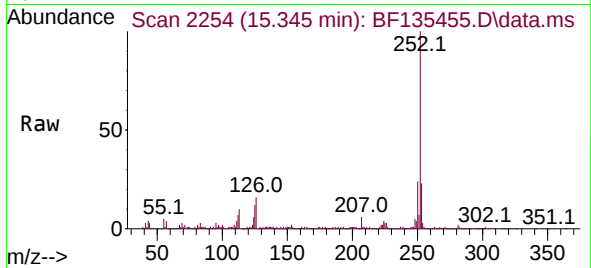
Tgt Ion:252 Resp: 237673  
Ion Ratio Lower Upper  
252 100  
253 24.0 17.4 26.0  
125 13.2 7.2 10.8#





#90  
 Benzo(a)pyrene  
 Concen: 6.573 ng  
 RT: 15.345 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: BF135455.D  
 Acq: 26 Sep 2023 16:25

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-A



|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:252 | Resp: | 132014      |
| Ion         | Ratio | Lower Upper |
| 252         | 100   |             |
| 253         | 23.2  | 17.5 26.3   |
| 125         | 12.5  | 9.2 13.8    |

