

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF092823\  
 Data File : BF135501.D  
 Acq On : 28 Sep 2023 19:08  
 Operator : CG\JU  
 Sample : 04604-01  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TR-04-092523

Quant Time: Sep 28 20:22:22 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 28 19:03:19 2023  
 Response via : Initial Calibration

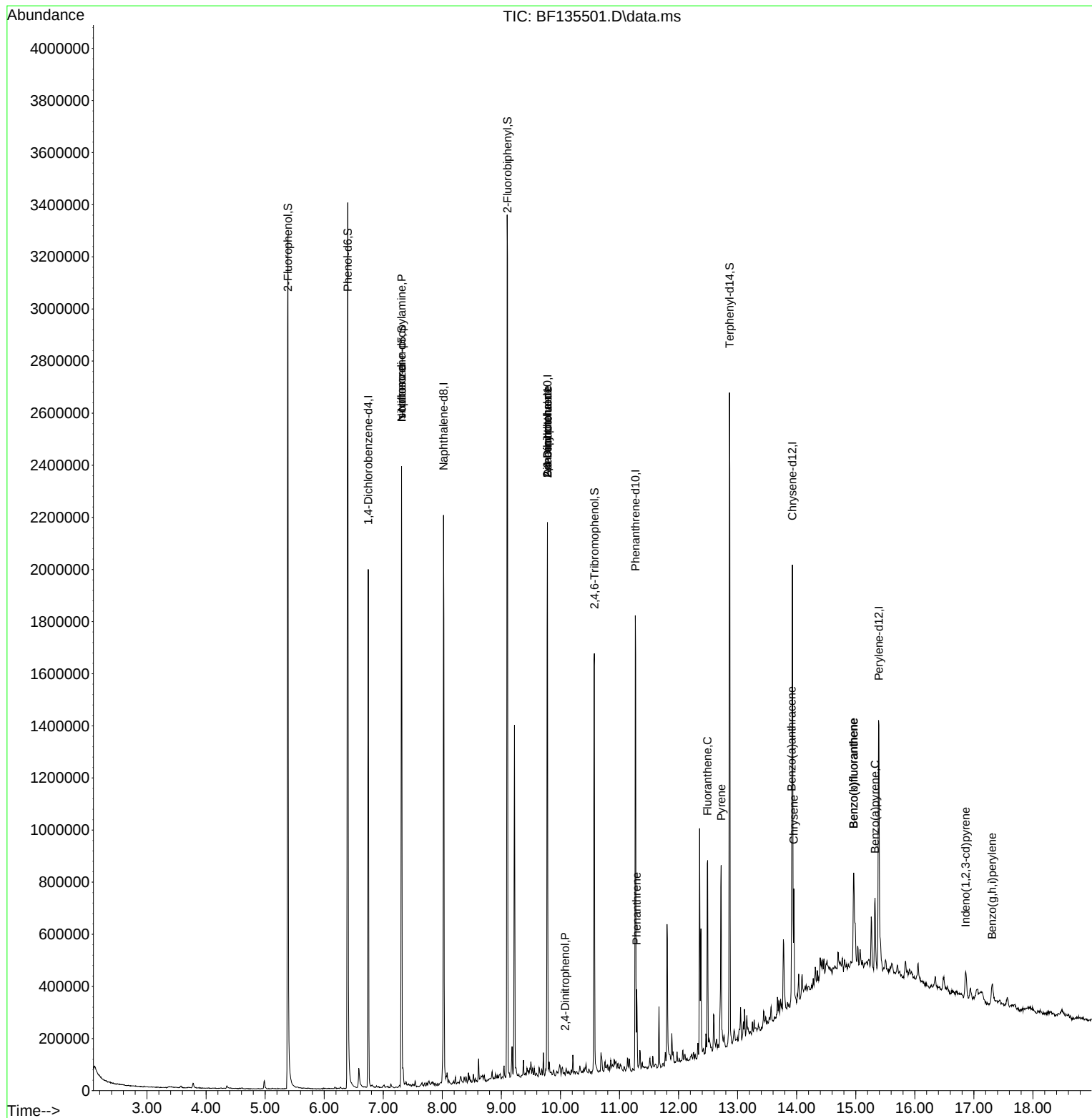
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.745  | 152  | 271938   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.022  | 136  | 953201   | 20.000 | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.780  | 164  | 409320   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.268 | 188  | 642260   | 20.000 | ng    | # 0.00   |
| 76) Chrysene-d12              | 13.927 | 240  | 516772   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.392 | 264  | 479918   | 20.000 | ng    | 0.01     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.387  | 112  | 949767   | 56.805 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.398  | 99   | 1163654  | 54.734 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.310  | 82   | 715815   | 40.799 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.574 | 330  | 193690   | 47.617 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.104  | 172  | 1102938  | 40.653 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.863 | 244  | 909000   | 27.268 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.310  | 70   | 93526    | 7.102  | ng    | # 81     |
| 25) Isophorone                | 7.310  | 82   | 715815   | 22.219 | ng    | # 65     |
| 50) Dimethylphthalate         | 9.780  | 163  | 81364    | 2.940  | ng    | # 1      |
| 51) 2,6-Dinitrotoluene        | 9.780  | 165  | 53882    | 8.888  | ng    | # 17     |
| 54) 2,4-Dinitrophenol         | 10.080 | 184  | 58       | 6.263  | ng    | # 28     |
| 57) 2,4-Dinitrotoluene        | 9.780  | 165  | 53882    | 7.099  | ng    | # 19     |
| 71) Phenanthrene              | 11.292 | 178  | 107809   | 3.549  | ng    | 98       |
| 75) Fluoranthene              | 12.492 | 202  | 319052   | 10.080 | ng    | 99       |
| 78) Pyrene                    | 12.721 | 202  | 296862   | 6.034  | ng    | 98       |
| 81) Benzo(a)anthracene        | 13.915 | 228  | 179915   | 5.392  | ng    | 98       |
| 83) Chrysene                  | 13.951 | 228  | 171640   | 5.173  | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.862 | 276  | 71453    | 2.271  | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 14.962 | 252  | 280572   | 10.800 | ng    | # 93     |
| 89) Benzo(k)fluoranthene      | 14.962 | 252  | 280572   | 10.933 | ng    | # 93     |
| 90) Benzo(a)pyrene            | 15.327 | 252  | 140130   | 5.656  | ng    | # 97     |
| 92) Benzo(g,h,i)perylene      | 17.309 | 276  | 66804    | 2.484  | ng    | # 91     |
| -----                         |        |      |          |        |       |          |

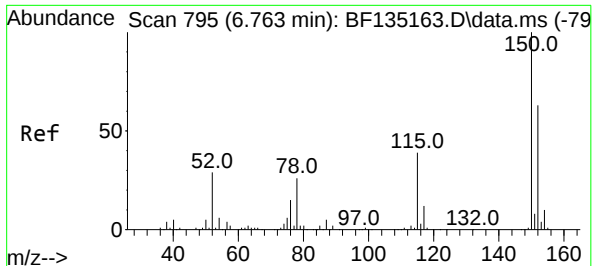
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Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF092823\  
Data File : BF135501.D  
Acq On : 28 Sep 2023 19:08  
Operator : CG\JU  
Sample : 04604-01  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TR-04-092523

Quant Time: Sep 28 20:22:22 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091123.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Sep 28 19:03:19 2023  
Response via : Initial Calibration

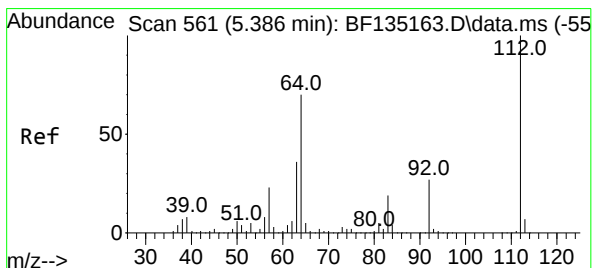
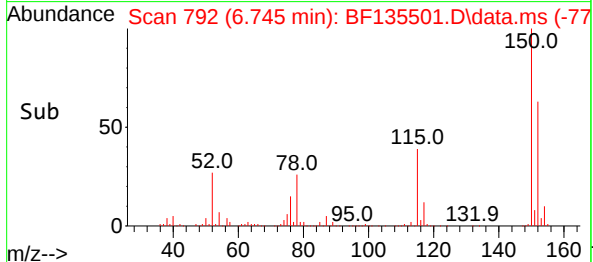
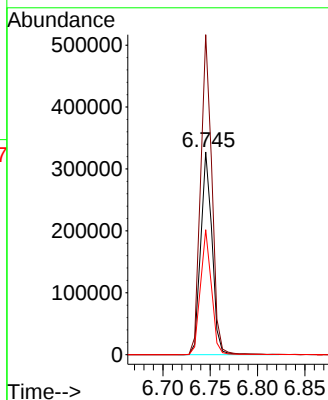
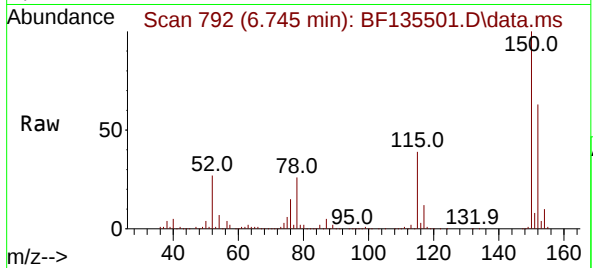




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.745 min Scan# 795  
 Delta R.T. -0.001 min  
 Lab File: BF135501.D  
 Acq: 28 Sep 2023 19:08

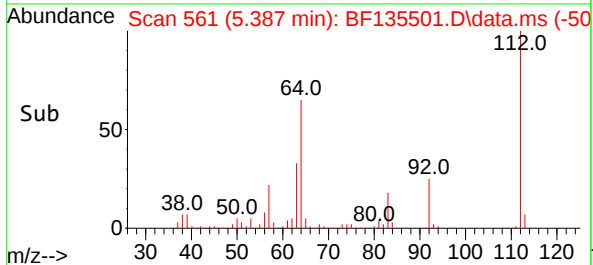
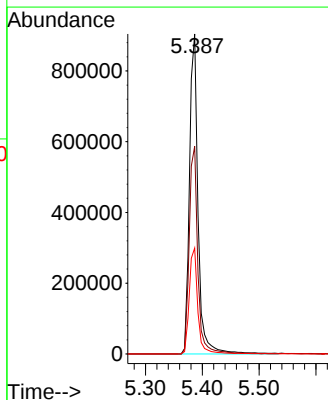
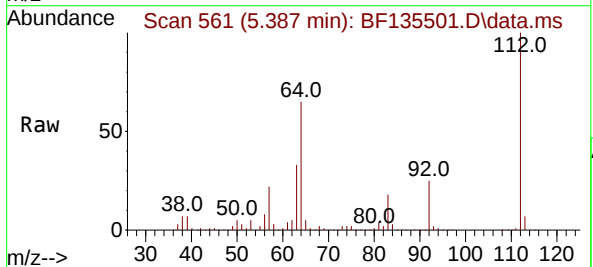
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TR-04-092523

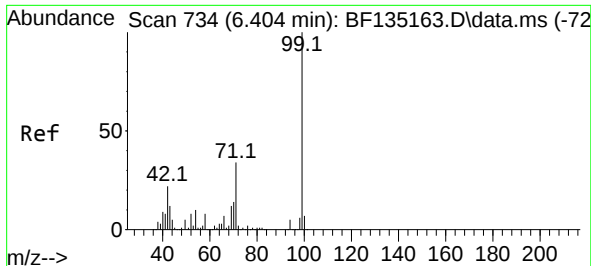
Tgt Ion:152 Resp: 271938  
 Ion Ratio Lower Upper  
 152 100  
 150 157.8 127.8 191.6  
 115 61.7 49.8 74.8



#5  
 2-Fluorophenol  
 Concen: 56.805 ng  
 RT: 5.387 min Scan# 561  
 Delta R.T. 0.012 min  
 Lab File: BF135501.D  
 Acq: 28 Sep 2023 19:08

Tgt Ion:112 Resp: 949767  
 Ion Ratio Lower Upper  
 112 100  
 64 64.9 55.9 83.9  
 63 33.1 29.0 43.6

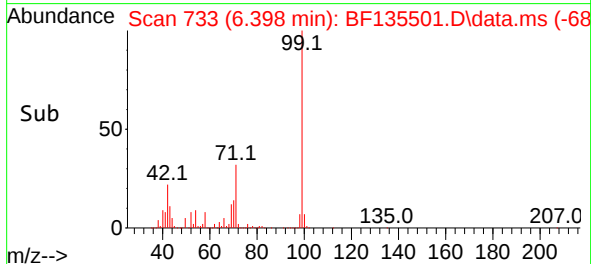
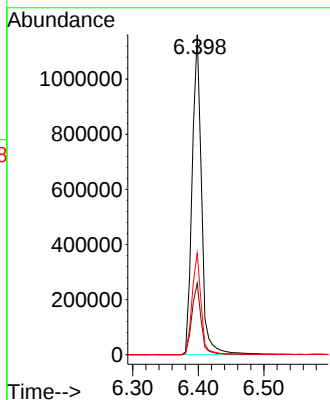
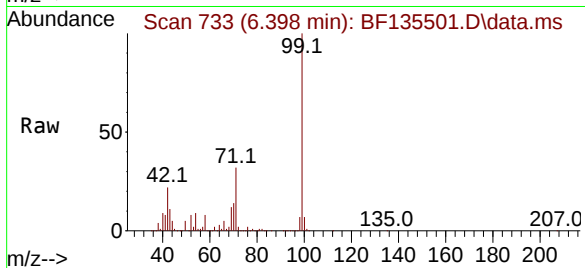




#7  
Phenol-d6  
Concen: 54.734 ng  
RT: 6.398 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: BF135501.D  
Acq: 28 Sep 2023 19:08

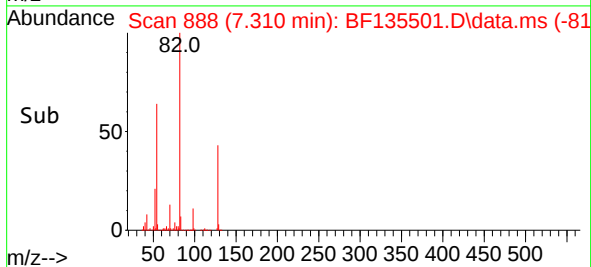
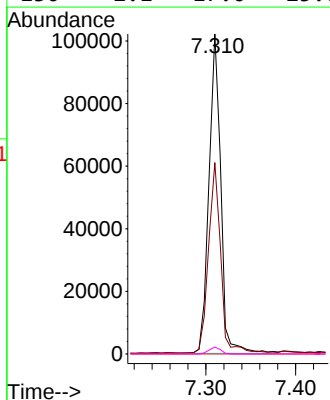
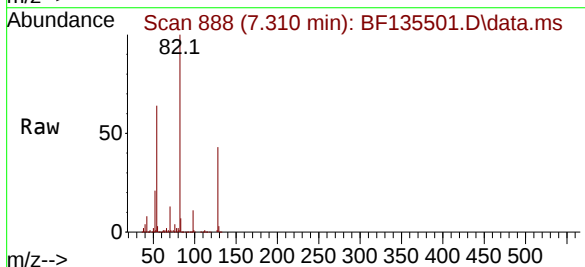
Instrument :  
BNA\_F  
ClientSampleId :  
TR-04-092523

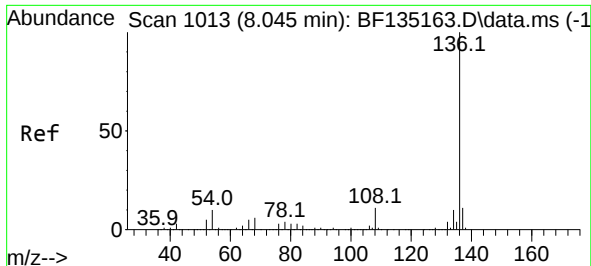
Tgt Ion: 99 Resp: 1163654  
Ion Ratio Lower Upper  
99 100  
42 22.4 17.9 26.9  
71 31.8 27.0 40.6



#19  
n-Nitroso-di-n-propylamine  
Concen: 7.102 ng  
RT: 7.310 min Scan# 888  
Delta R.T. 0.147 min  
Lab File: BF135501.D  
Acq: 28 Sep 2023 19:08

Tgt Ion: 70 Resp: 93526  
Ion Ratio Lower Upper  
70 100  
42 59.8 55.4 83.0  
101 0.0 7.7 11.5#  
130 2.1 17.0 25.6#

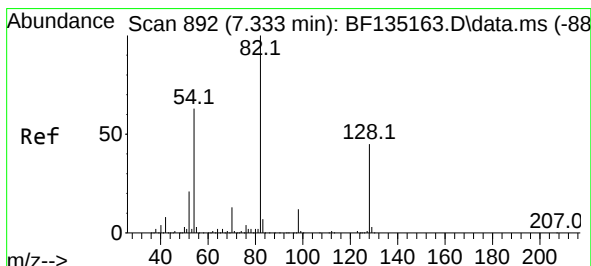
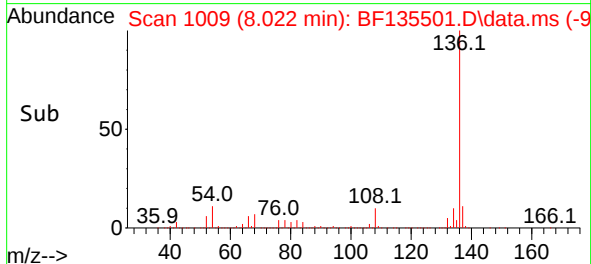
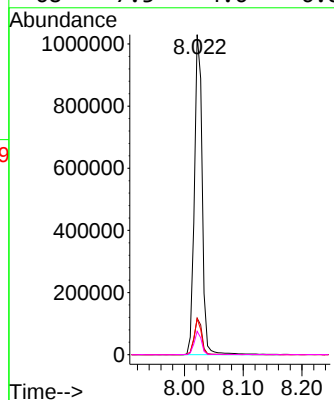
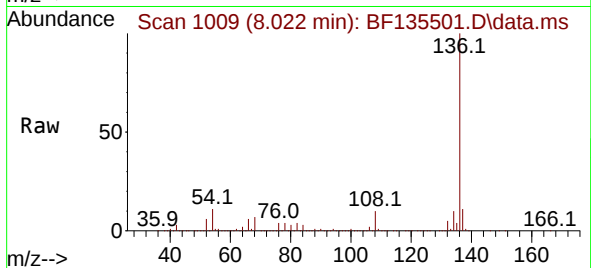




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.022 min Scan# 1009  
Delta R.T. -0.006 min  
Lab File: BF135501.D  
Acq: 28 Sep 2023 19:08

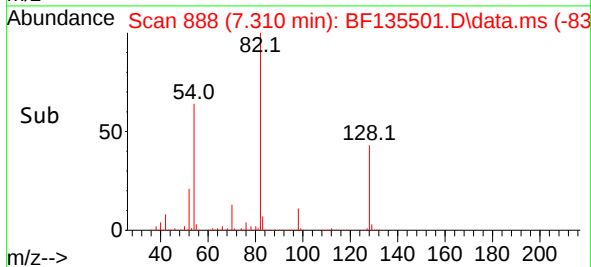
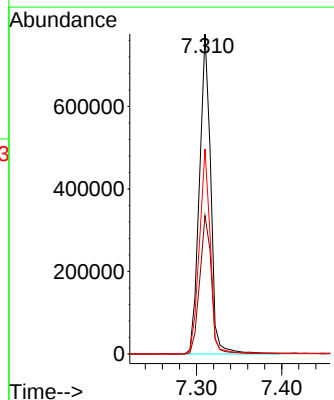
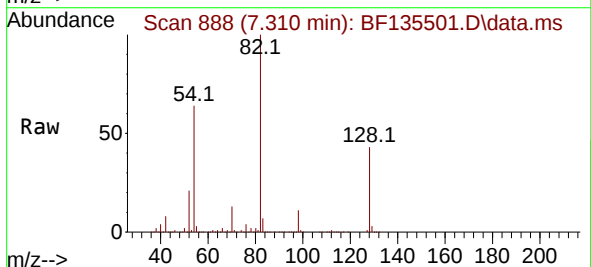
Instrument :  
BNA\_F  
ClientSampleId :  
TR-04-092523

Tgt Ion:136 Resp: 953201  
Ion Ratio Lower Upper  
136 100  
137 11.4 8.8 13.2  
54 11.2 7.7 11.5  
68 7.3 4.6 6.8#



#23  
Nitrobenzene-d5  
Concen: 40.799 ng  
RT: 7.310 min Scan# 888  
Delta R.T. -0.006 min  
Lab File: BF135501.D  
Acq: 28 Sep 2023 19:08

Tgt Ion: 82 Resp: 715815  
Ion Ratio Lower Upper  
82 100  
128 43.3 35.8 53.6  
54 64.0 50.6 76.0

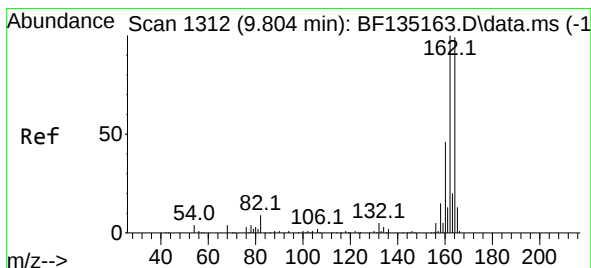
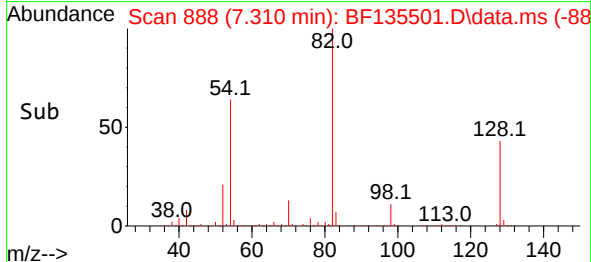
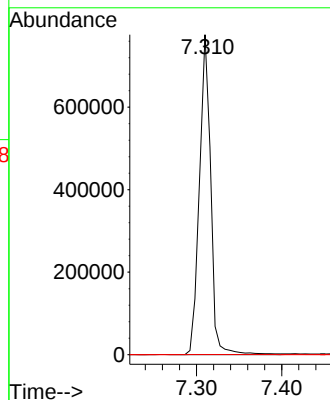
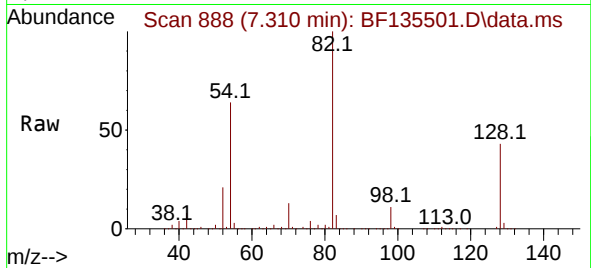




#25  
Isophorone  
Concen: 22.219 ng  
RT: 7.310 min Scan# 81  
Delta R.T. -0.259 min  
Lab File: BF135501.D  
Acq: 28 Sep 2023 19:08

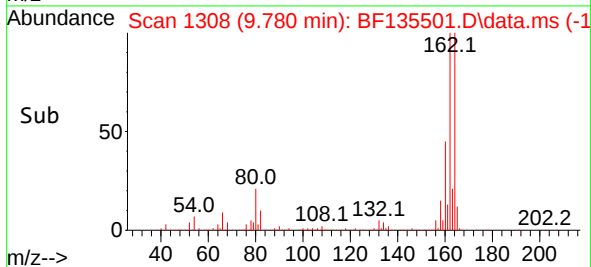
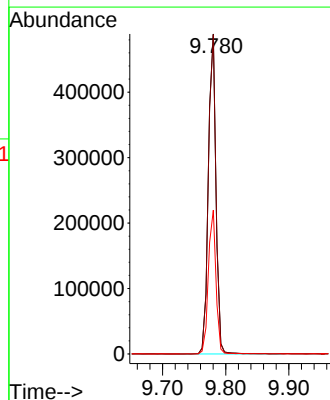
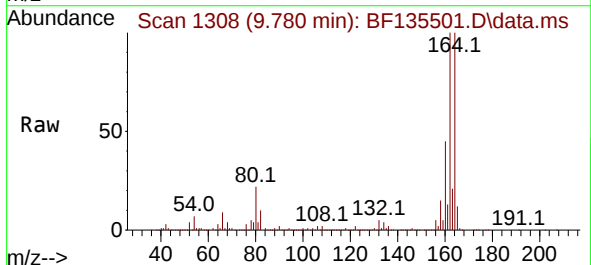
Instrument :  
BNA\_F  
ClientSampleId :  
TR-04-092523

Tgt Ion: 82 Resp: 715815  
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: 9.780 min Scan# 1308  
Delta R.T. -0.000 min  
Lab File: BF135501.D  
Acq: 28 Sep 2023 19:08

Tgt Ion: 164 Resp: 409320  
Ion Ratio Lower Upper  
164 100  
162 99.8 81.0 121.4  
160 44.9 37.0 55.4





#42

2,4,6-Tribromophenol

Concen: 47.617 ng

RT: 10.574 min Scan# 1443

Delta R.T. -0.000 min

Lab File: BF135501.D

Acq: 28 Sep 2023 19:08

Instrument :

BNA\_F

ClientSampleId :

TR-04-092523

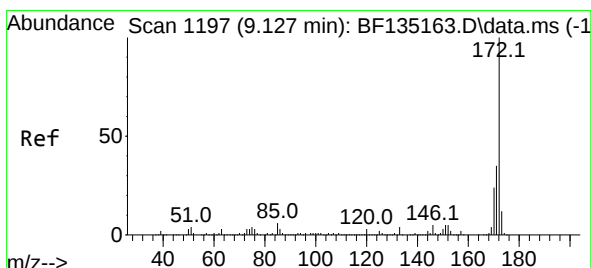
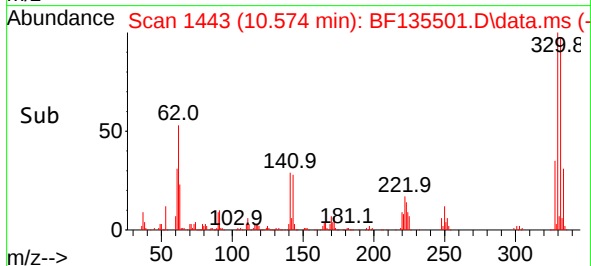
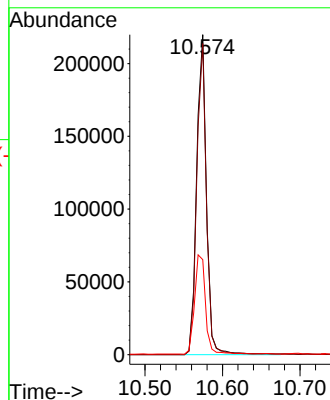
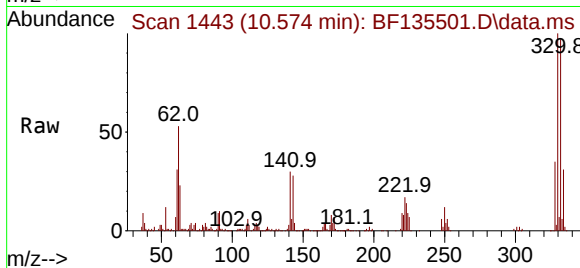
Tgt Ion:330 Resp: 193690

Ion Ratio Lower Upper

330 100

332 95.4 77.3 115.9

141 34.3 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 40.653 ng

RT: 9.104 min Scan# 1193

Delta R.T. -0.000 min

Lab File: BF135501.D

Acq: 28 Sep 2023 19:08

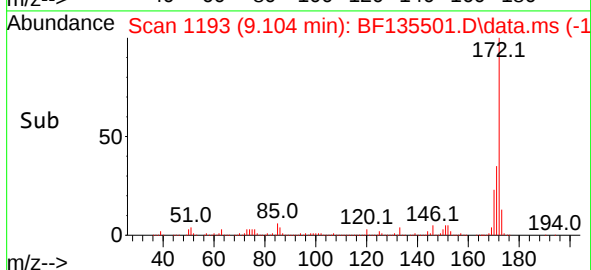
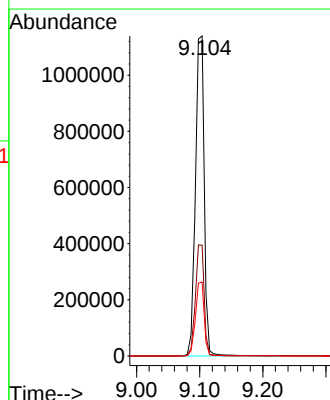
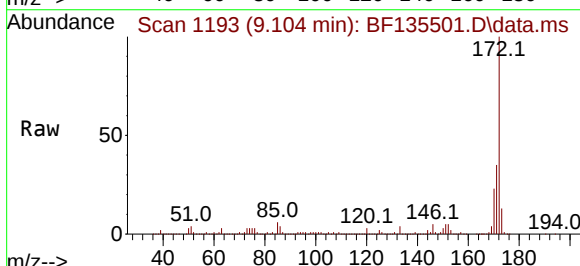
Tgt Ion:172 Resp: 1102938

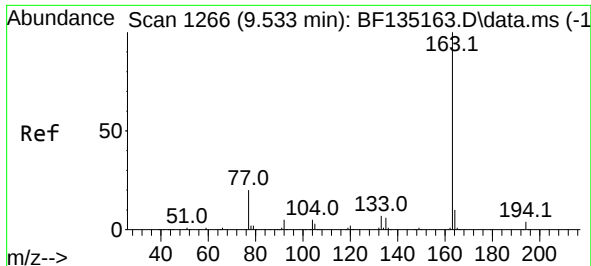
Ion Ratio Lower Upper

172 100

171 34.6 28.4 42.6

170 23.1 19.0 28.4

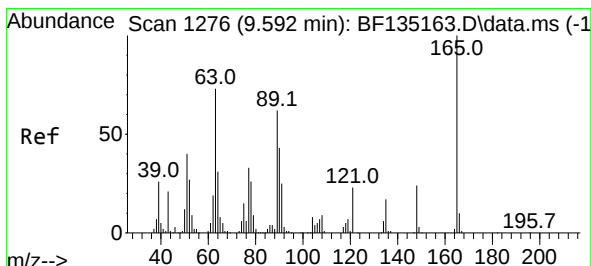
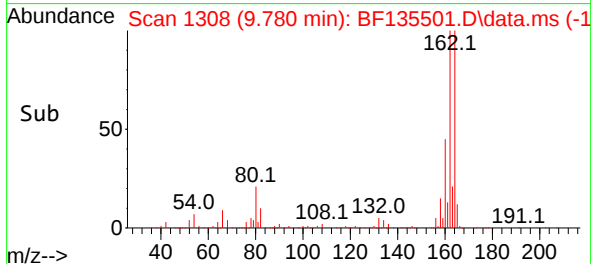
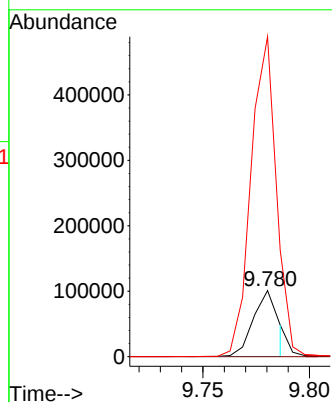
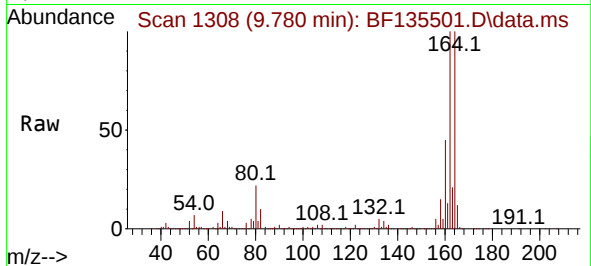




#50  
Dimethylphthalate  
Concen: 2.940 ng  
RT: 9.780 min Scan# 11  
Delta R.T. 0.270 min  
Lab File: BF135501.D  
Acq: 28 Sep 2023 19:08

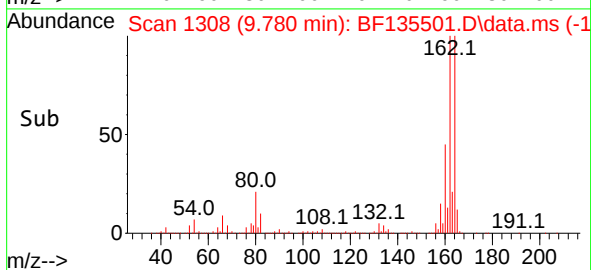
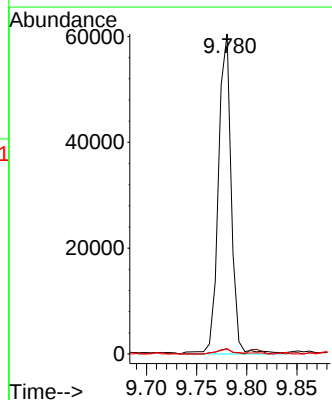
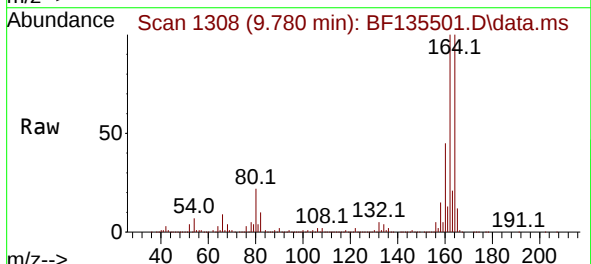
Instrument :  
BNA\_F  
ClientSampleId :  
TR-04-092523

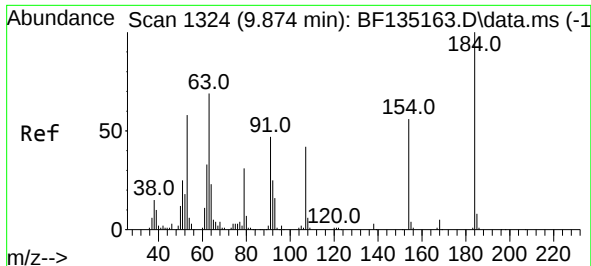
Tgt Ion:163 Resp: 81364  
Ion Ratio Lower Upper  
163 100  
194 0.0 3.1 4.7#  
164 484.2 8.1 12.1#



#51  
2,6-Dinitrotoluene  
Concen: 8.888 ng  
RT: 9.780 min Scan# 1308  
Delta R.T. 0.200 min  
Lab File: BF135501.D  
Acq: 28 Sep 2023 19:08

Tgt Ion:165 Resp: 53882  
Ion Ratio Lower Upper  
165 100  
63 1.7 59.4 89.2#  
89 1.5 49.8 74.8#

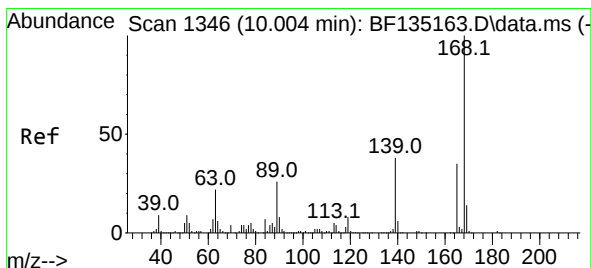
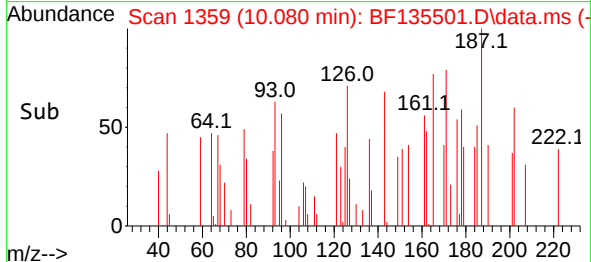
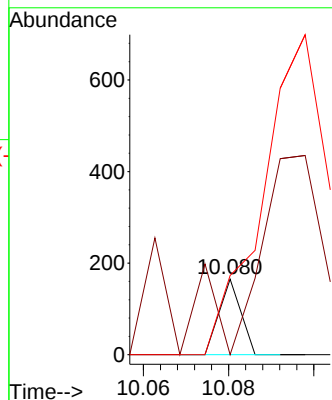
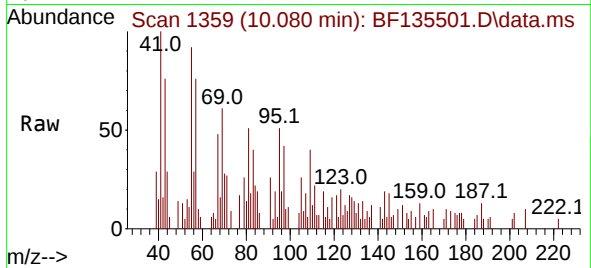




#54  
2,4-Dinitrophenol  
Concen: 6.263 ng  
RT: 10.080 min Scan# 11  
Delta R.T. 0.217 min  
Lab File: BF135501.D  
Acq: 28 Sep 2023 19:08

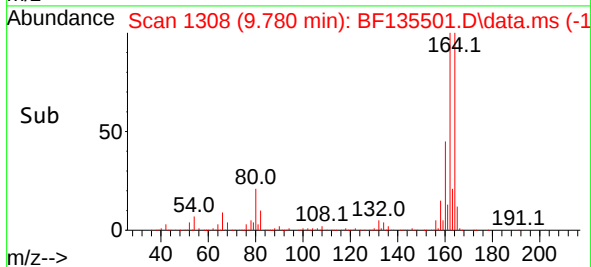
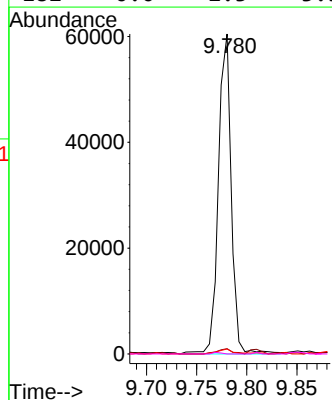
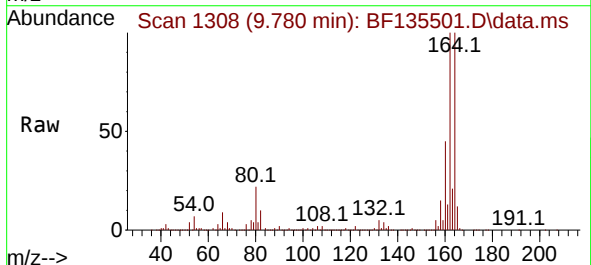
Instrument :  
BNA\_F  
ClientSampleId :  
TR-04-092523

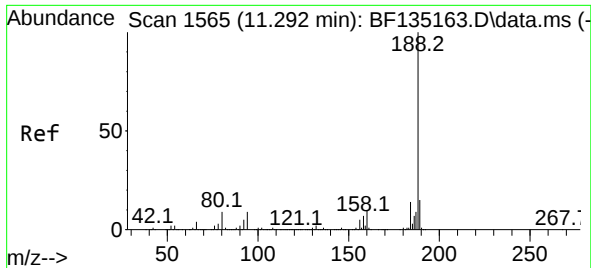
Tgt Ion:184 Resp: 58  
Ion Ratio Lower Upper  
184 100  
63 0.0 55.1 82.7#  
154 104.8 48.4 72.6#



#57  
2,4-Dinitrotoluene  
Concen: 7.099 ng  
RT: 9.780 min Scan# 1308  
Delta R.T. -0.206 min  
Lab File: BF135501.D  
Acq: 28 Sep 2023 19:08

Tgt Ion:165 Resp: 53882  
Ion Ratio Lower Upper  
165 100  
63 1.7 50.1 75.1#  
89 1.5 59.3 88.9#  
182 0.0 2.3 3.5#

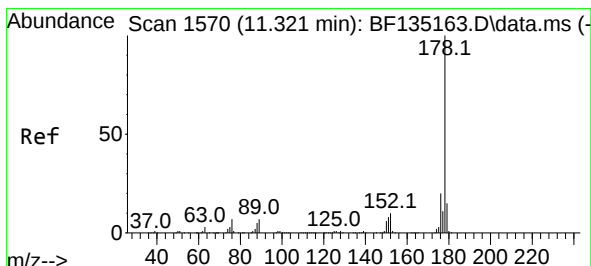
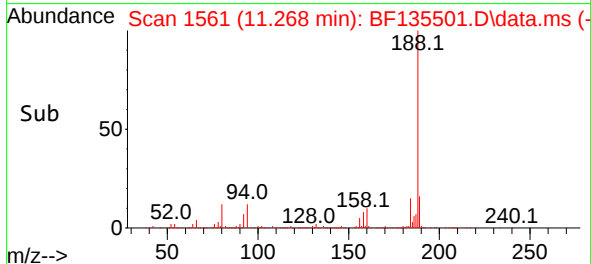
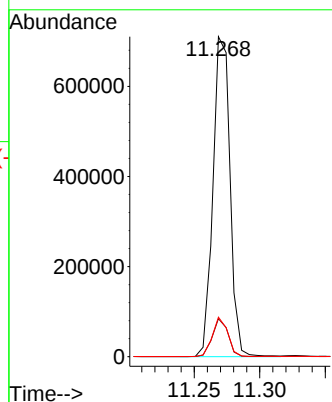
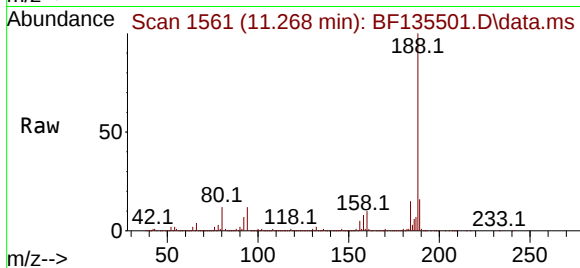




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.268 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF135501.D  
Acq: 28 Sep 2023 19:08

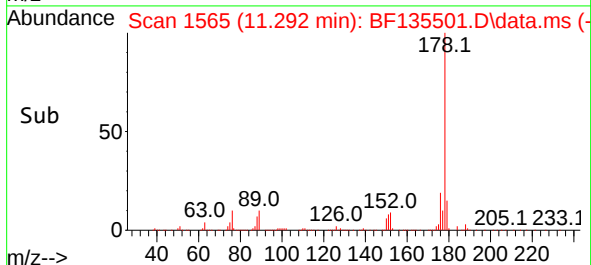
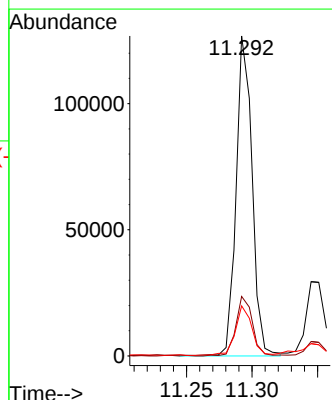
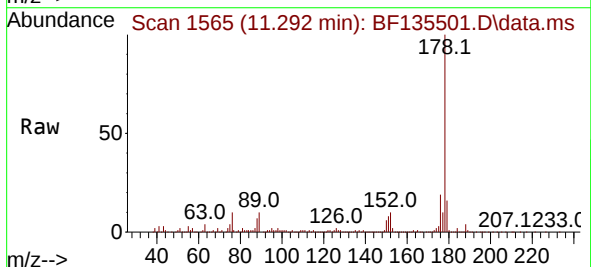
Instrument :  
BNA\_F  
ClientSampleId :  
TR-04-092523

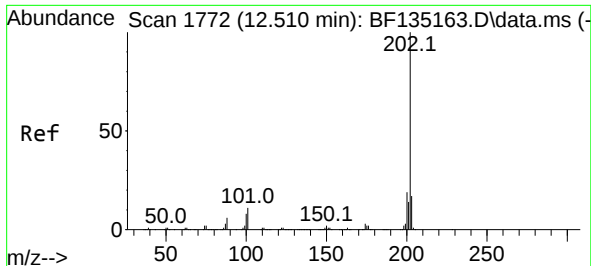
Tgt Ion:188 Resp: 642260  
Ion Ratio Lower Upper  
188 100  
94 11.9 7.0 10.6#  
80 12.4 7.5 11.3#



#71  
Phenanthrene  
Concen: 3.549 ng  
RT: 11.292 min Scan# 1565  
Delta R.T. -0.006 min  
Lab File: BF135501.D  
Acq: 28 Sep 2023 19:08

Tgt Ion:178 Resp: 107809  
Ion Ratio Lower Upper  
178 100  
176 18.6 15.6 23.4  
179 15.6 12.0 18.0

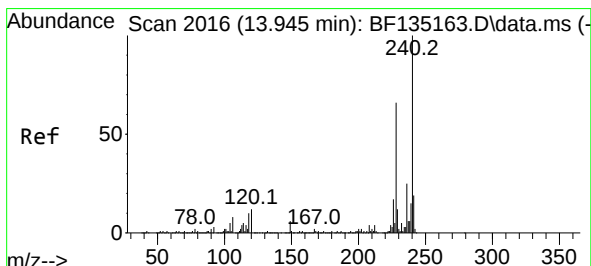
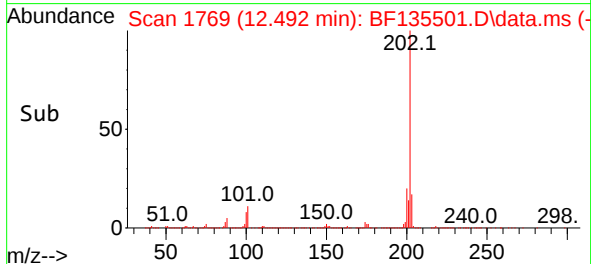
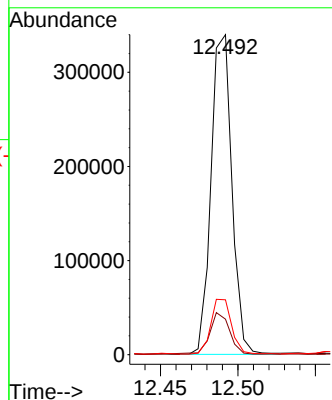
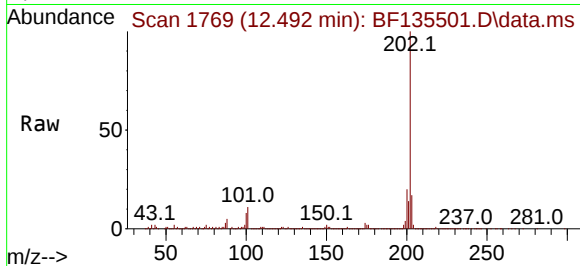




#75  
Fluoranthene  
Concen: 10.080 ng  
RT: 12.492 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: BF135501.D  
Acq: 28 Sep 2023 19:08

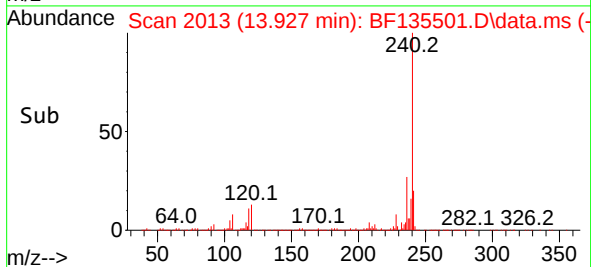
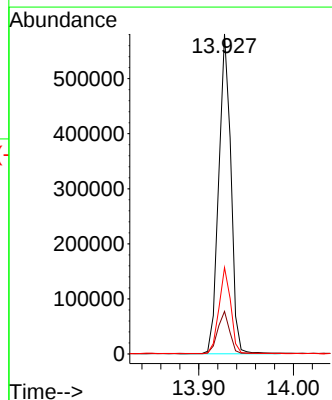
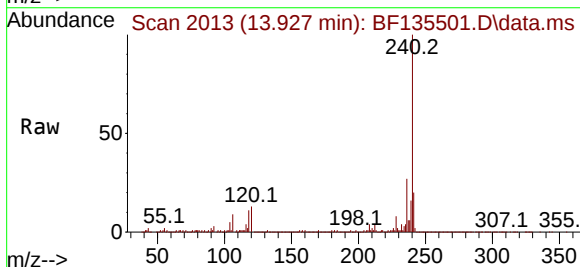
Instrument :  
BNA\_F  
ClientSampleId :  
TR-04-092523

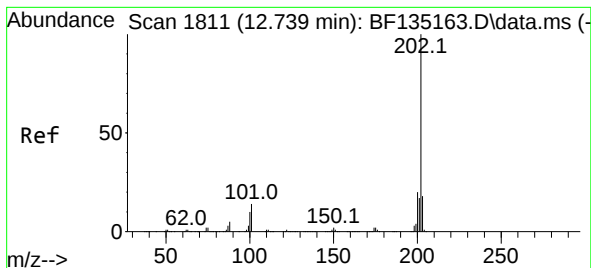
Tgt Ion:202 Resp: 319052  
Ion Ratio Lower Upper  
202 100  
101 11.1 0.0 31.3  
203 17.1 0.0 37.4



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.927 min Scan# 2013  
Delta R.T. -0.000 min  
Lab File: BF135501.D  
Acq: 28 Sep 2023 19:08

Tgt Ion:240 Resp: 516772  
Ion Ratio Lower Upper  
240 100  
120 13.3 9.4 14.2  
236 27.0 19.8 29.8





#78

Pyrene

Concen: 6.034 ng

RT: 12.721 min Scan# 1808

Delta R.T. -0.000 min

Lab File: BF135501.D

Acq: 28 Sep 2023 19:08

Instrument :

BNA\_F

ClientSampleId :

TR-04-092523

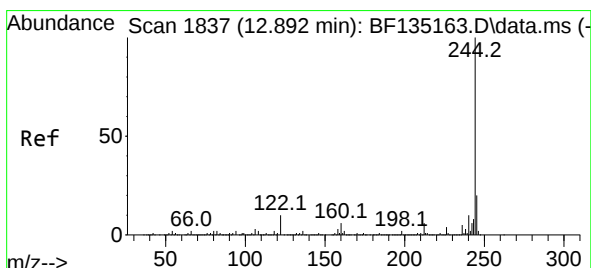
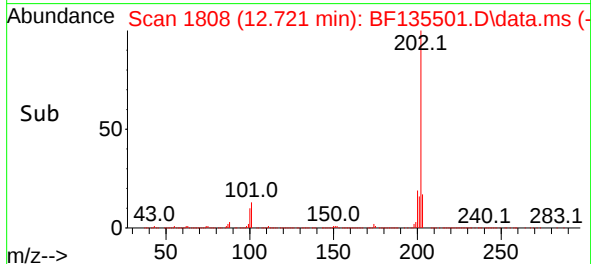
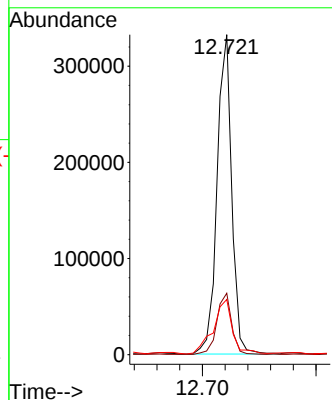
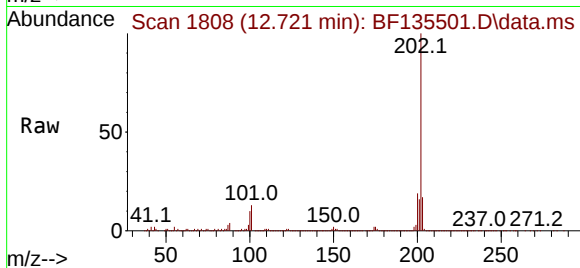
Tgt Ion:202 Resp: 296862

Ion Ratio Lower Upper

202 100

200 19.2 16.2 24.2

203 17.3 14.2 21.4



#79

Terphenyl-d14

Concen: 27.268 ng

RT: 12.863 min Scan# 1832

Delta R.T. -0.006 min

Lab File: BF135501.D

Acq: 28 Sep 2023 19:08

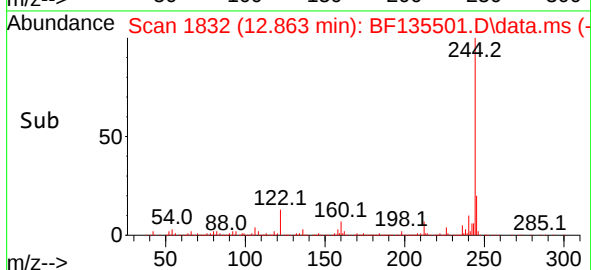
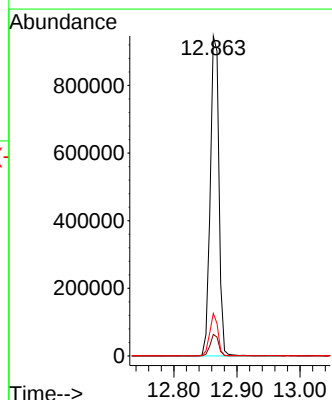
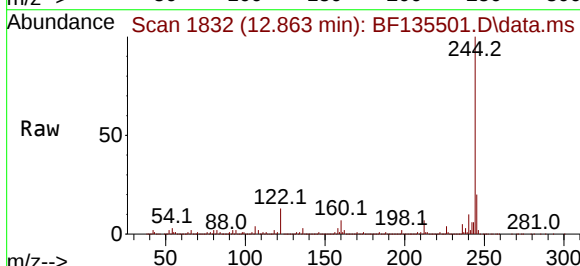
Tgt Ion:244 Resp: 909000

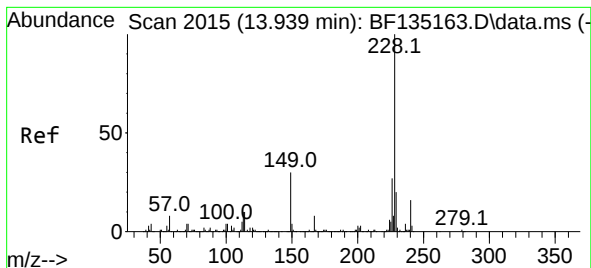
Ion Ratio Lower Upper

244 100

212 6.8 5.1 7.7

122 13.3 7.9 11.9#





#81

Benzo(a)anthracene

Concen: 5.392 ng

RT: 13.915 min Scan# 2017

Delta R.T. -0.000 min

Lab File: BF135501.D

Acq: 28 Sep 2023 19:08

Instrument :

BNA\_F

ClientSampleId :

TR-04-092523

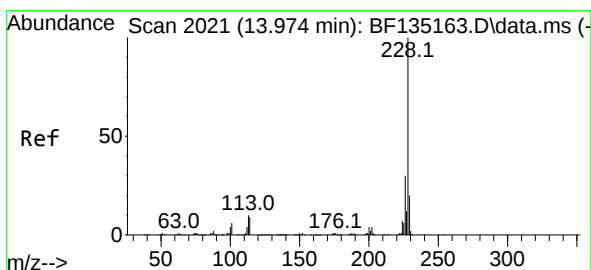
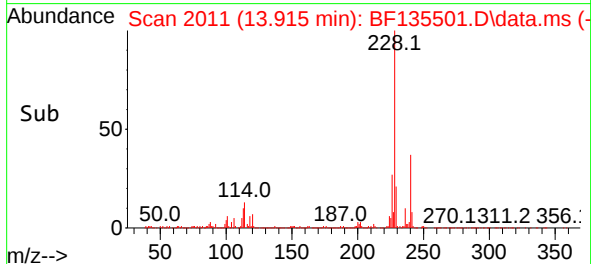
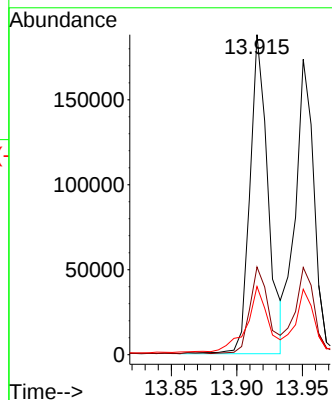
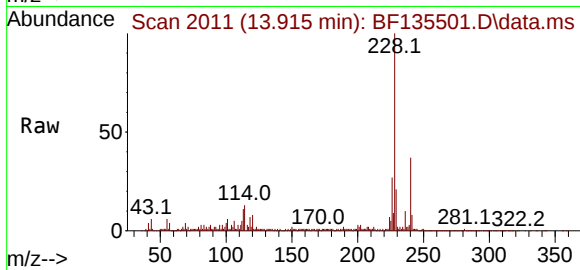
Tgt Ion:228 Resp: 179915

Ion Ratio Lower Upper

228 100

226 27.4 21.7 32.5

229 21.3 15.8 23.8



#83

Chrysene

Concen: 5.173 ng

RT: 13.951 min Scan# 2017

Delta R.T. -0.000 min

Lab File: BF135501.D

Acq: 28 Sep 2023 19:08

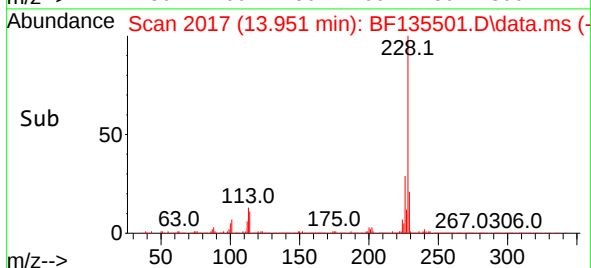
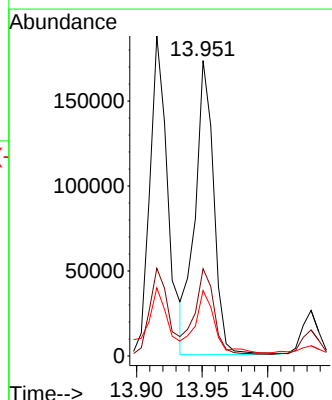
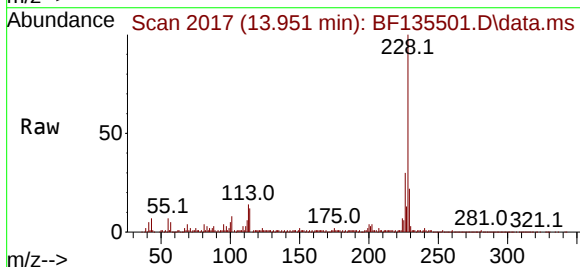
Tgt Ion:228 Resp: 171640

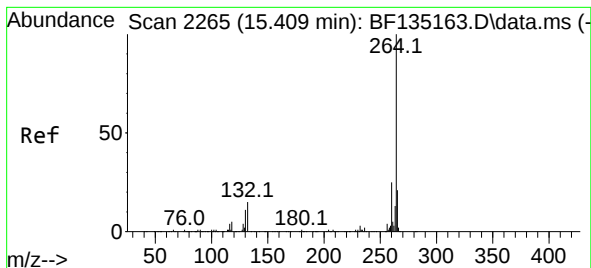
Ion Ratio Lower Upper

228 100

226 29.5 24.3 36.5

229 22.1 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.392 min Scan# 21

Delta R.T. 0.011 min

Lab File: BF135501.D

Acq: 28 Sep 2023 19:08

Instrument :

BNA\_F

ClientSampleId :

TR-04-092523

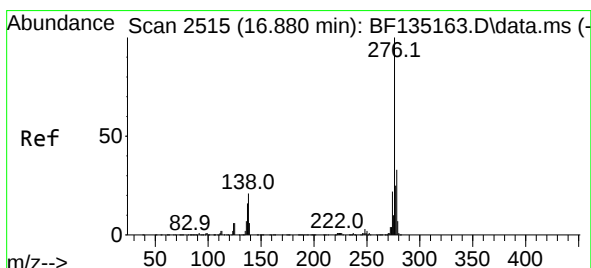
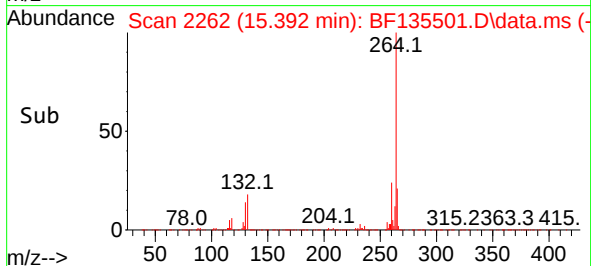
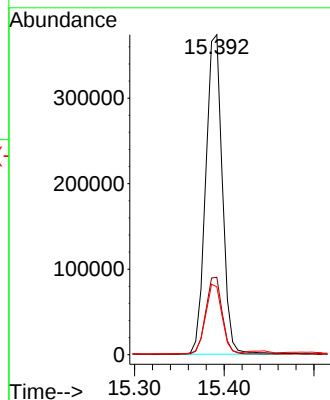
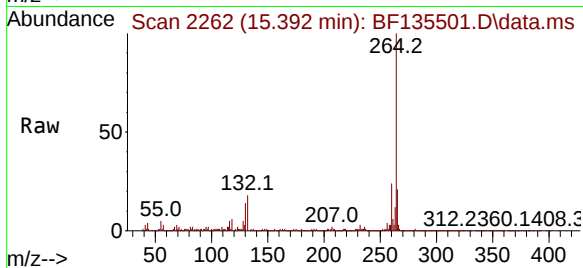
Tgt Ion:264 Resp: 479918

Ion Ratio Lower Upper

264 100

260 24.2 19.8 29.6

265 21.2 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.271 ng

RT: 16.862 min Scan# 2512

Delta R.T. 0.006 min

Lab File: BF135501.D

Acq: 28 Sep 2023 19:08

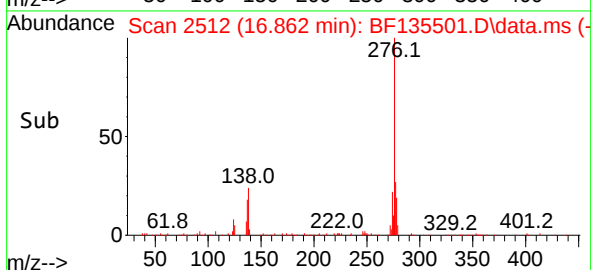
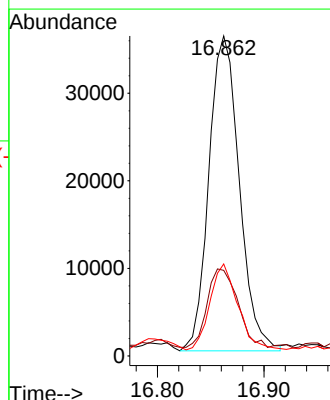
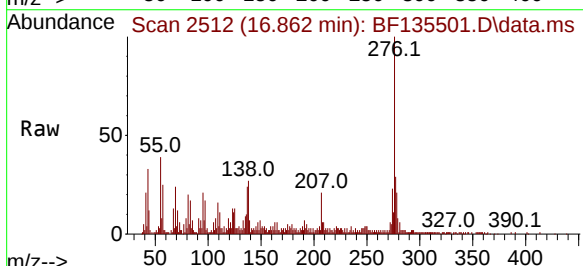
Tgt Ion:276 Resp: 71453

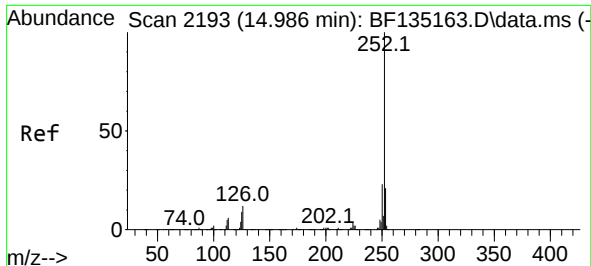
Ion Ratio Lower Upper

276 100

138 24.9 19.2 28.8

277 25.4 19.7 29.5

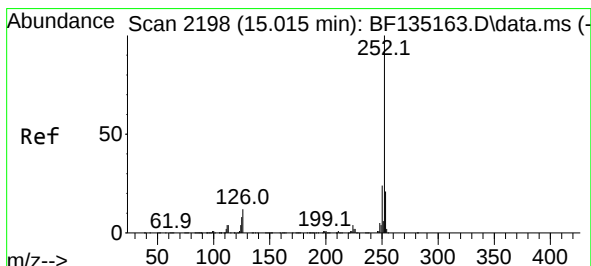
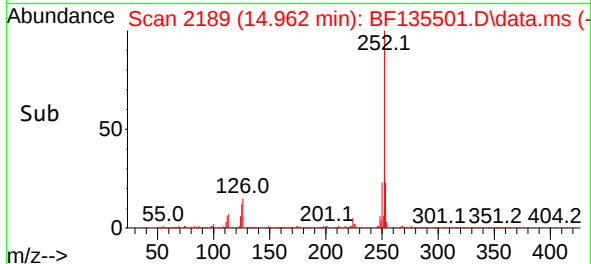
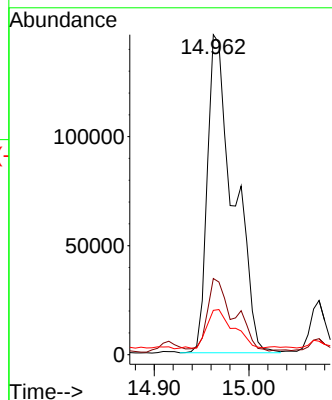
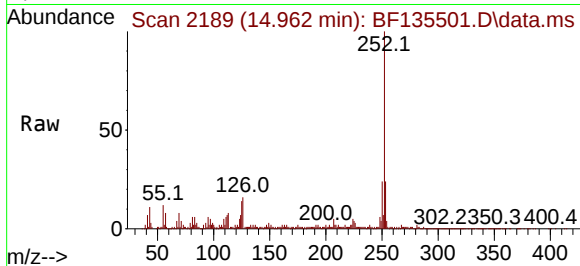




#88  
Benzo(b)fluoranthene  
Concen: 10.800 ng  
RT: 14.962 min Scan# 2189  
Delta R.T. -0.000 min  
Lab File: BF135501.D  
Acq: 28 Sep 2023 19:08

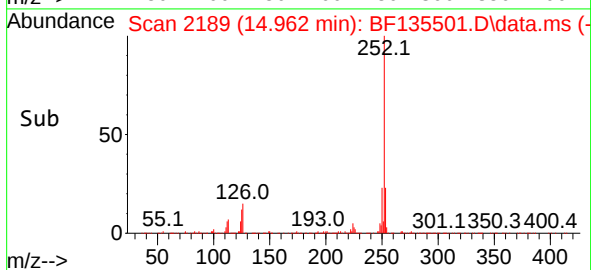
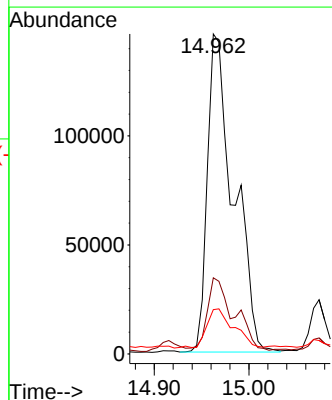
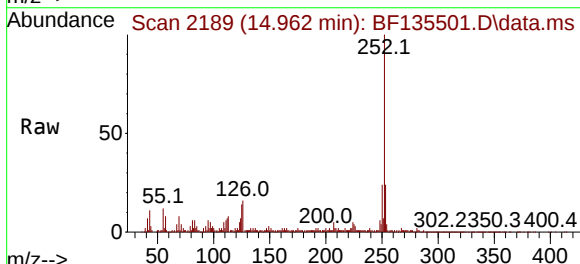
Instrument :  
BNA\_F  
ClientSampleId :  
TR-04-092523

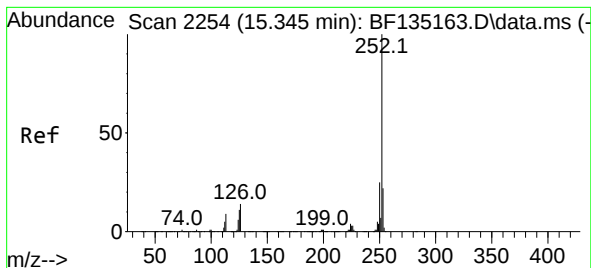
Tgt Ion:252 Resp: 280572  
Ion Ratio Lower Upper  
252 100  
253 23.8 17.2 25.8  
125 13.9 7.1 10.7#



#89  
Benzo(k)fluoranthene  
Concen: 10.933 ng  
RT: 14.962 min Scan# 2189  
Delta R.T. -0.024 min  
Lab File: BF135501.D  
Acq: 28 Sep 2023 19:08

Tgt Ion:252 Resp: 280572  
Ion Ratio Lower Upper  
252 100  
253 23.8 17.4 26.0  
125 13.9 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 5.656 ng

RT: 15.327 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF135501.D

Acq: 28 Sep 2023 19:08

Instrument :

BNA\_F

ClientSampleId :

TR-04-092523

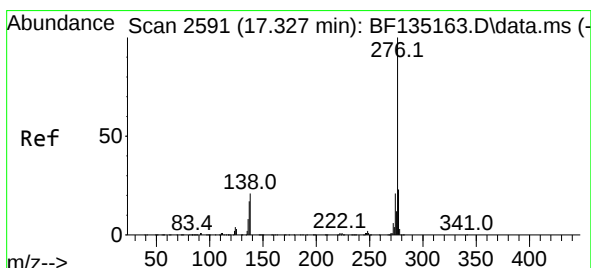
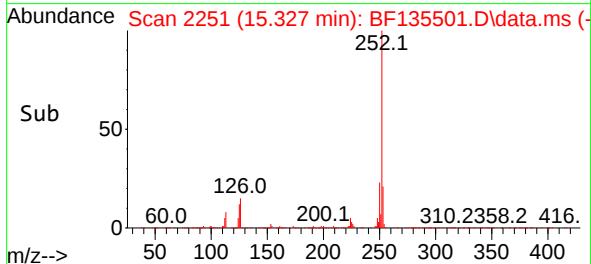
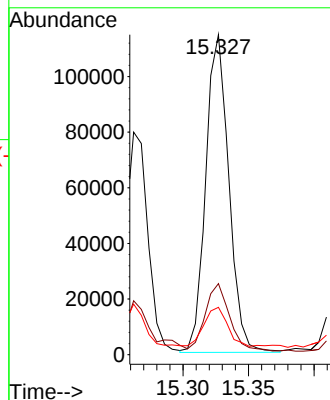
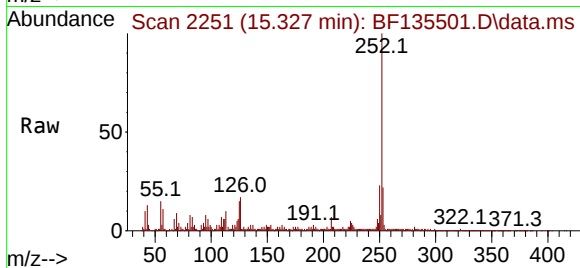
Tgt Ion:252 Resp: 140130

Ion Ratio Lower Upper

252 100

253 22.2 17.5 26.3

125 14.8 9.2 13.8#



#92

Benzo(g,h,i)perylene

Concen: 2.484 ng

RT: 17.309 min Scan# 2588

Delta R.T. 0.011 min

Lab File: BF135501.D

Acq: 28 Sep 2023 19:08

Tgt Ion:276 Resp: 66804

Ion Ratio Lower Upper

276 100

277 25.3 18.8 28.2

138 28.0 16.9 25.3#

