

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF091423\  
 Data File : BF135267.D  
 Acq On : 14 Sep 2023 22:14  
 Operator : CG\JU  
 Sample : 04399-05  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Sep 15 01:37:56 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

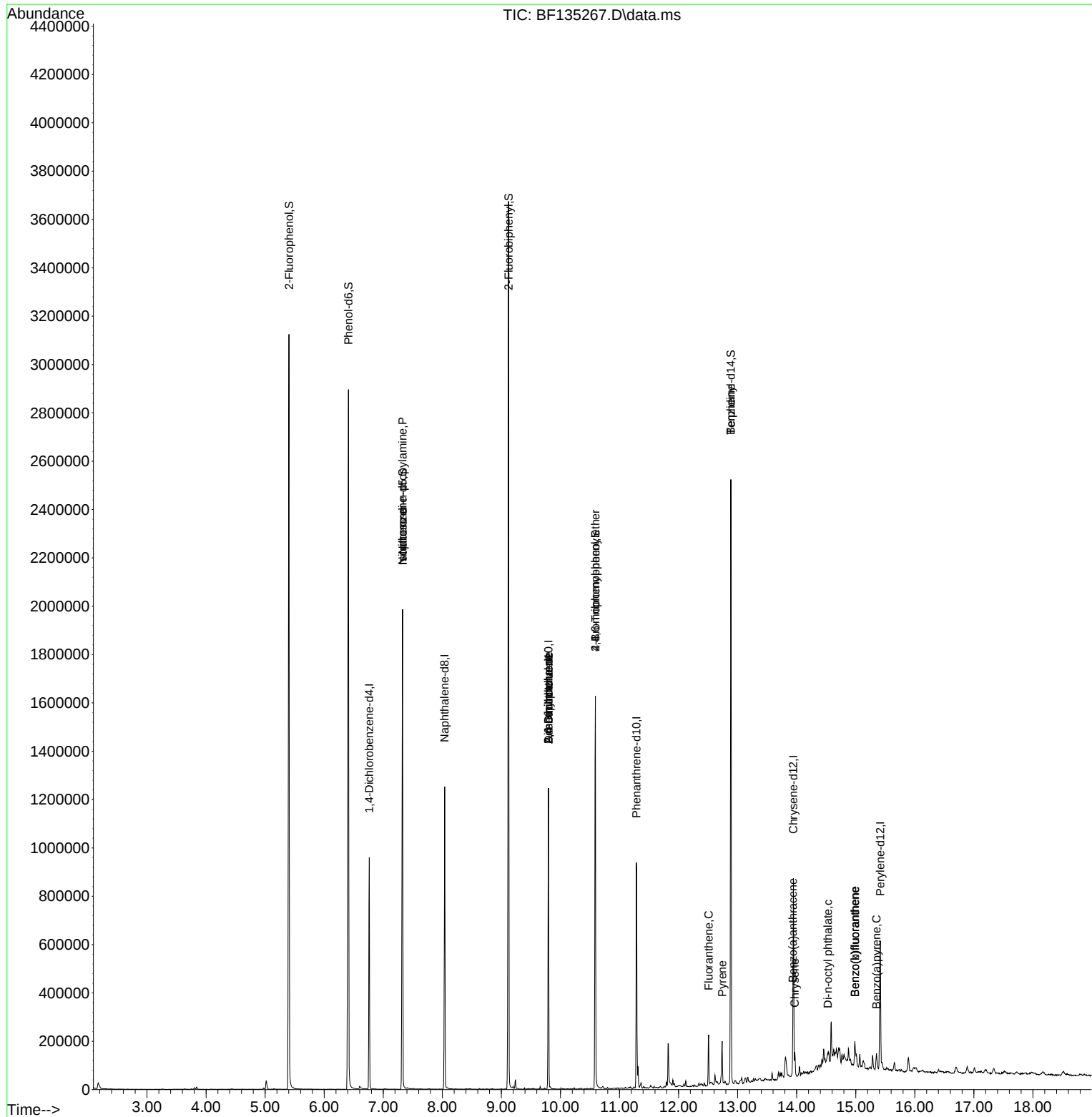
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.763  | 152  | 132567   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.039  | 136  | 495704   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.798  | 164  | 234032   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.286 | 188  | 359804   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 13.945 | 240  | 241942   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.415 | 264  | 252466   | 20.000 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.404  | 112  | 800773   | 98.246 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.410  | 99   | 996399   | 96.139 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.328  | 82   | 621475   | 68.114 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.592 | 330  | 187776   | 80.739 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.122  | 172  | 1117292  | 72.028 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.886 | 244  | 872196   | 55.884 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.328  | 70   | 84179    | 13.113 | ng    | # 77     |
| 25) Isophorone                | 7.328  | 82   | 617951   | 36.883 | ng    | # 65     |
| 50) Dimethylphthalate         | 9.798  | 163  | 46178    | 2.918  | ng    | # 1      |
| 51) 2,6-Dinitrotoluene        | 9.798  | 165  | 29436    | 8.492  | ng    | # 17     |
| 57) 2,4-Dinitrotoluene        | 9.798  | 165  | 29436    | 6.783  | ng    | # 19     |
| 67) 4-Bromophenyl-phenylether | 10.592 | 248  | 12076    | 3.375  | ng    | # 1      |
| 75) Fluoranthene              | 12.510 | 202  | 85671    | 4.832  | ng    | 98       |
| 77) Benzidine                 | 12.886 | 184  | 10804    | 2.180  | ng    | # 92     |
| 78) Pyrene                    | 12.739 | 202  | 74131    | 3.218  | ng    | 99       |
| 81) Benzo(a)anthracene        | 13.933 | 228  | 36796    | 2.355  | ng    | 96       |
| 83) Chrysene                  | 13.968 | 228  | 40340    | 2.597  | ng    | 98       |
| 85) Di-n-octyl phthalate      | 14.527 | 149  | 29174    | 2.206  | ng    | # 46     |
| 88) Benzo(b)fluoranthene      | 14.986 | 252  | 70773    | 5.178  | ng    | # 97     |
| 89) Benzo(k)fluoranthene      | 14.986 | 252  | 70773    | 5.242  | ng    | # 97     |
| 90) Benzo(a)pyrene            | 15.351 | 252  | 29674    | 2.277  | ng    | # 95     |
| -----                         |        |      |          |        |       |          |

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

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Operator : CG\JU  
Sample : 04399-05  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :

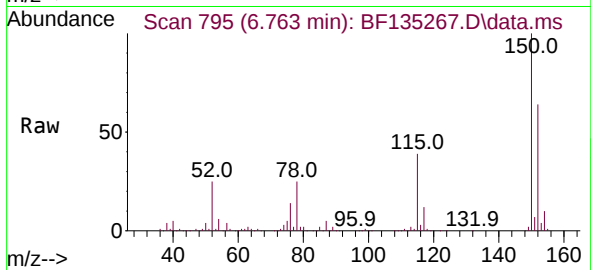
Quant Time: Sep 15 01:37:56 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091123.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Sep 12 00:19:07 2023  
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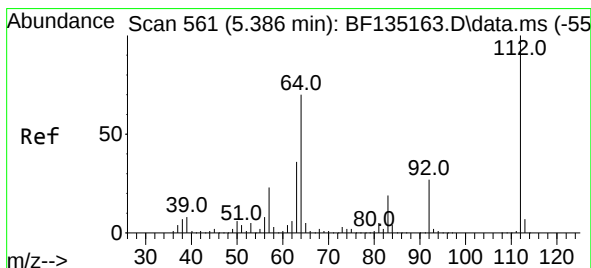
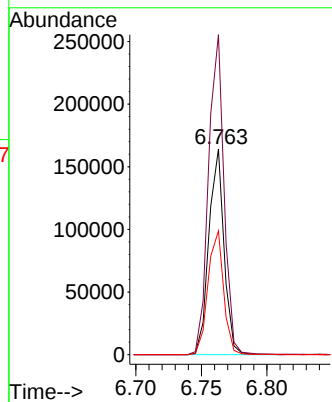
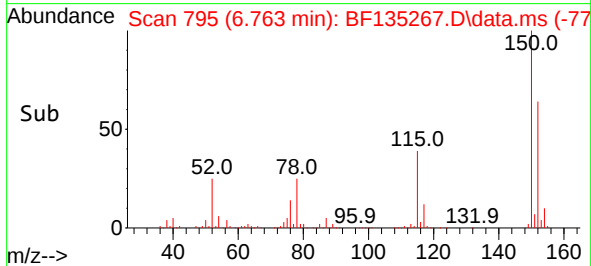


#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.763 min Scan# 795  
Delta R.T. 0.000 min  
Lab File: BF135267.D  
Acq: 14 Sep 2023 22:14

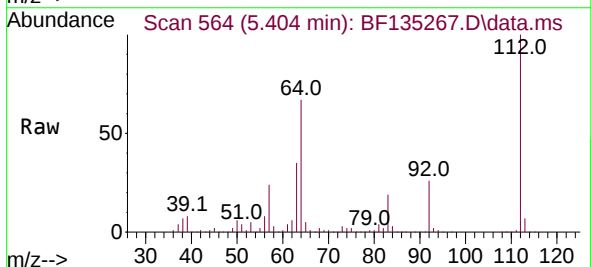
Instrument :  
BNA\_F  
ClientSampleId :



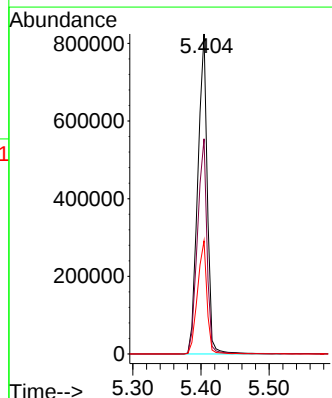
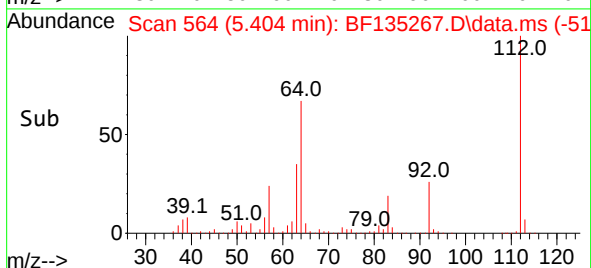
Tgt Ion:152 Resp: 132567  
Ion Ratio Lower Upper  
152 100  
150 155.6 127.8 191.6  
115 60.2 49.8 74.8



#5  
2-Fluorophenol  
Concen: 98.246 ng  
RT: 5.404 min Scan# 564  
Delta R.T. 0.018 min  
Lab File: BF135267.D  
Acq: 14 Sep 2023 22:14



Tgt Ion:112 Resp: 800773  
Ion Ratio Lower Upper  
112 100  
64 67.3 55.9 83.9  
63 35.4 29.0 43.6





#7

Phenol-d6

Concen: 96.139 ng

RT: 6.410 min Scan# 71

Delta R.T. 0.006 min

Lab File: BF135267.D

Acq: 14 Sep 2023 22:14

Instrument :

BNA\_F

ClientSampleId :

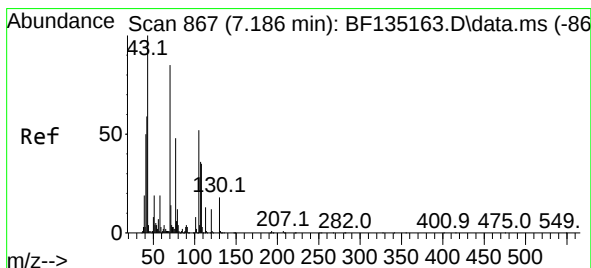
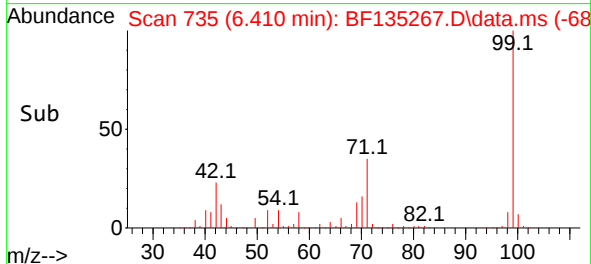
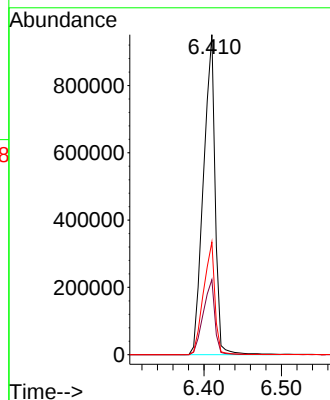
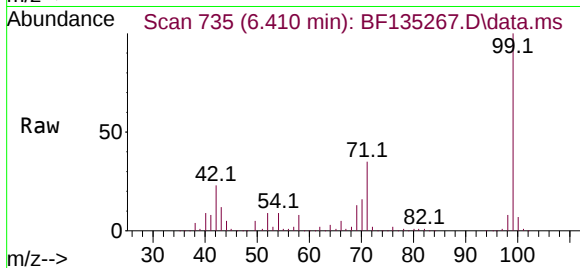
Tgt Ion: 99 Resp: 996399

Ion Ratio Lower Upper

99 100

42 23.4 17.9 26.9

71 35.2 27.0 40.6



#19

n-Nitroso-di-n-propylamine

Concen: 13.113 ng

RT: 7.328 min Scan# 891

Delta R.T. 0.141 min

Lab File: BF135267.D

Acq: 14 Sep 2023 22:14

Tgt Ion: 70 Resp: 84179

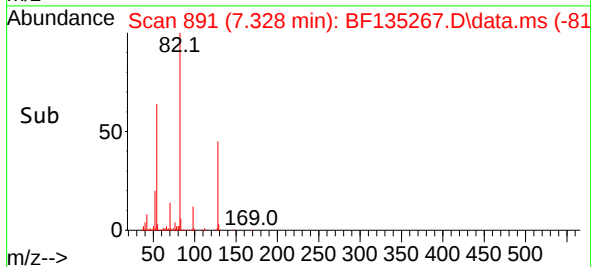
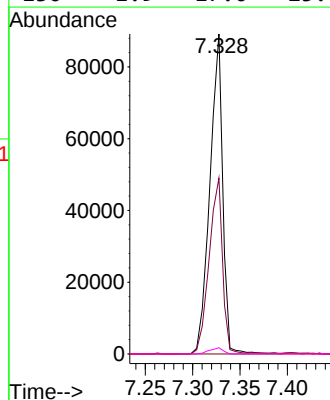
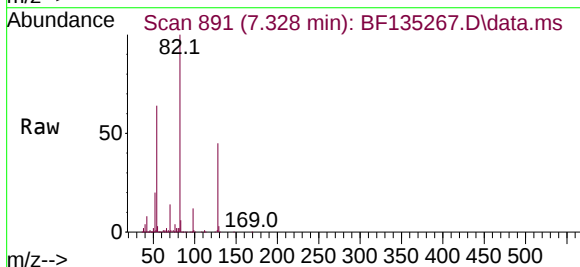
Ion Ratio Lower Upper

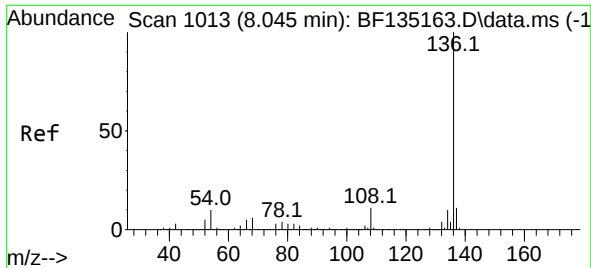
70 100

42 54.9 55.4 83.0#

101 0.0 7.7 11.5#

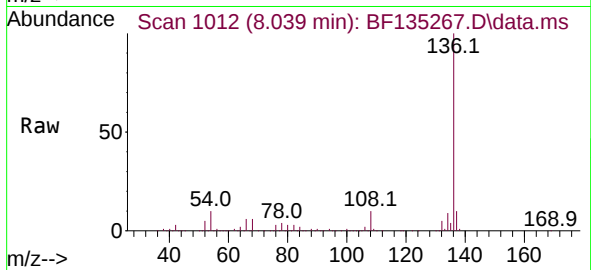
130 1.9 17.0 25.6#



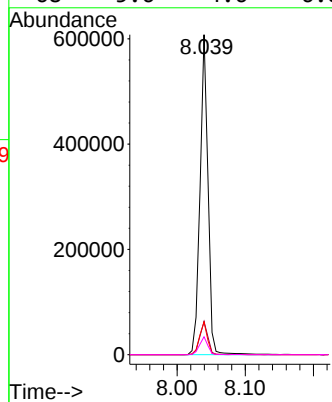
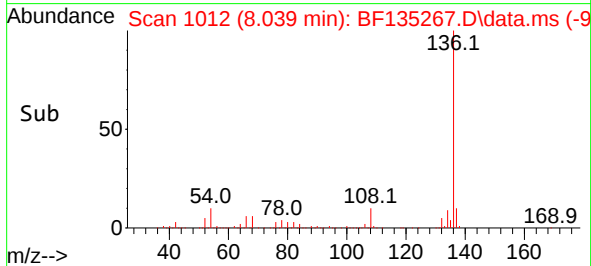


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.039 min Scan# 1013  
Delta R.T. -0.006 min  
Lab File: BF135267.D  
Acq: 14 Sep 2023 22:14

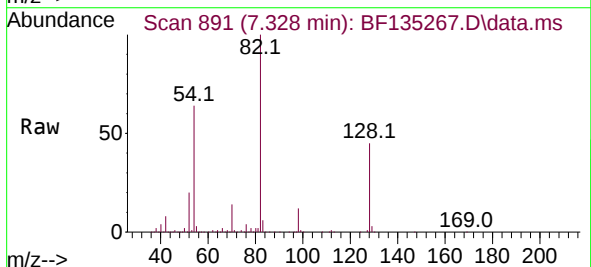
Instrument :  
BNA\_F  
ClientSampleId :



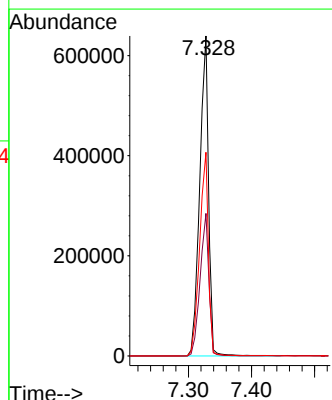
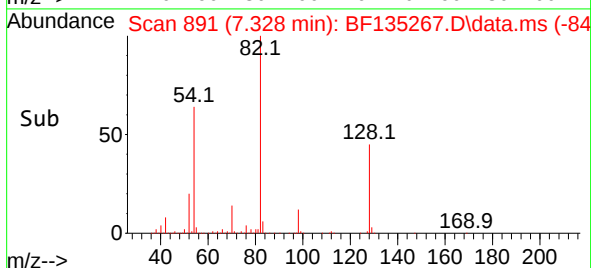
Tgt Ion:136 Resp: 495704  
Ion Ratio Lower Upper  
136 100  
137 10.4 8.8 13.2  
54 10.2 7.7 11.5  
68 5.6 4.6 6.8

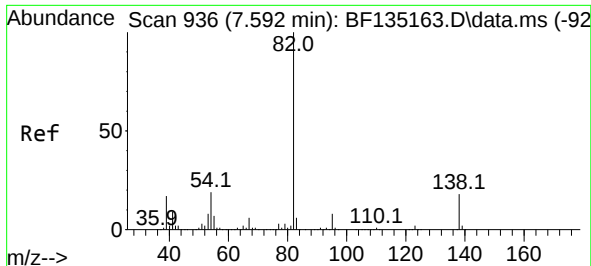


#23  
Nitrobenzene-d5  
Concen: 68.114 ng  
RT: 7.328 min Scan# 891  
Delta R.T. -0.006 min  
Lab File: BF135267.D  
Acq: 14 Sep 2023 22:14



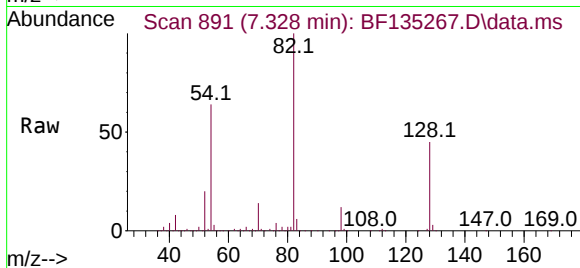
Tgt Ion: 82 Resp: 621475  
Ion Ratio Lower Upper  
82 100  
128 44.5 35.8 53.6  
54 63.7 50.6 76.0



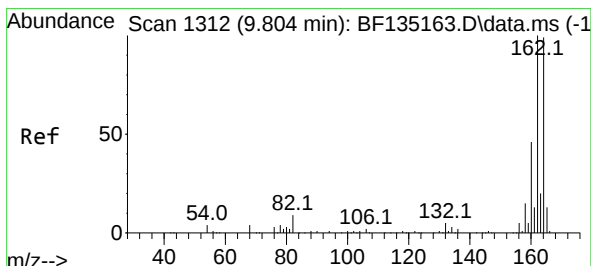
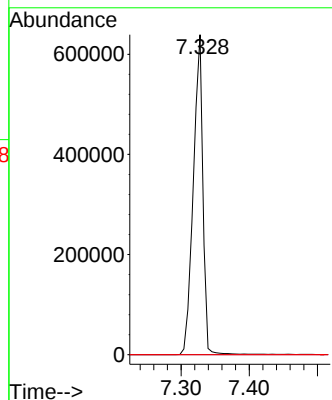
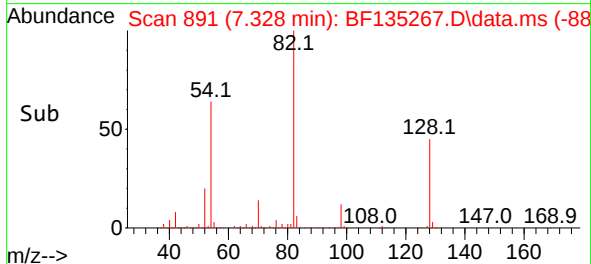


#25  
Isophorone  
Concen: 36.883 ng  
RT: 7.328 min Scan# 891  
Delta R.T. -0.265 min  
Lab File: BF135267.D  
Acq: 14 Sep 2023 22:14

Instrument :  
BNA\_F  
ClientSampleId :

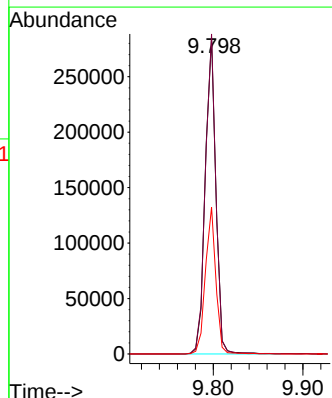
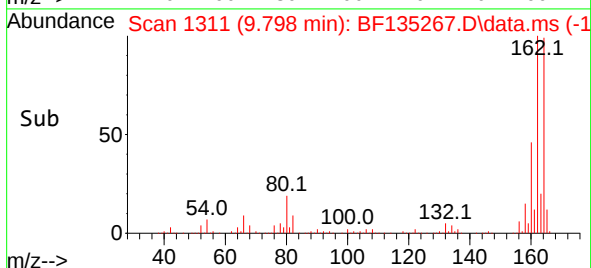
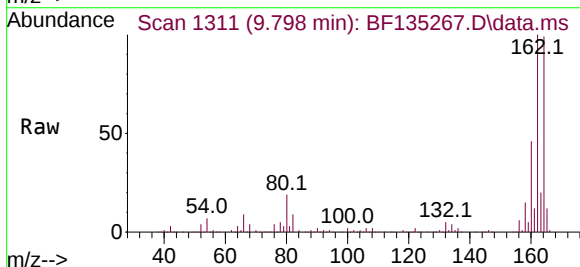


Tgt Ion: 82 Resp: 617951  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.0 9.0#  
138 0.0 14.5 21.7#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.798 min Scan# 1311  
Delta R.T. -0.006 min  
Lab File: BF135267.D  
Acq: 14 Sep 2023 22:14

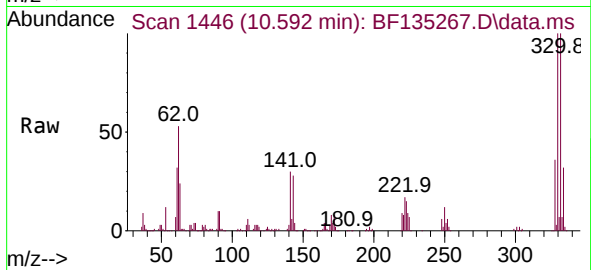
Tgt Ion: 164 Resp: 234032  
Ion Ratio Lower Upper  
164 100  
162 101.2 81.0 121.4  
160 46.4 37.0 55.4





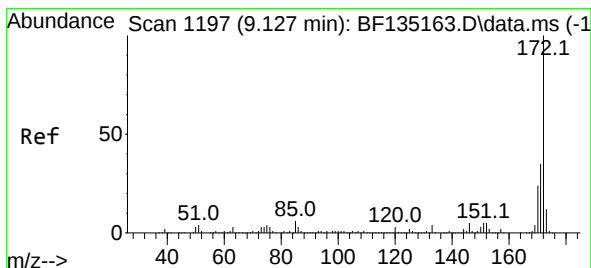
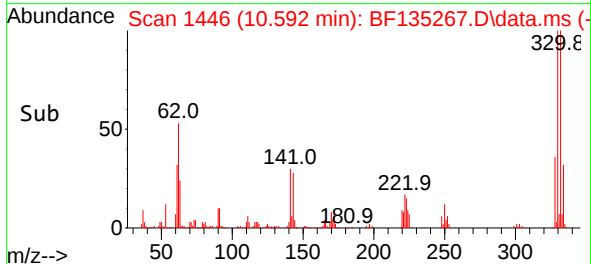
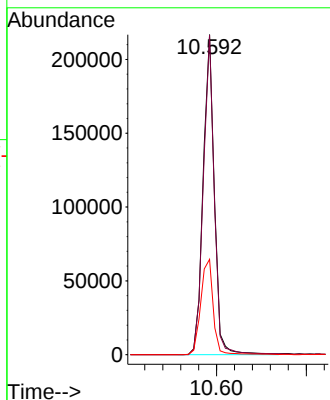
#42  
 2,4,6-Tribromophenol  
 Concen: 80.739 ng  
 RT: 10.592 min Scan# 1446  
 Delta R.T. -0.006 min  
 Lab File: BF135267.D  
 Acq: 14 Sep 2023 22:14

Instrument :  
 BNA\_F  
 ClientSampleId :



Tgt Ion: 330 Resp: 187776  

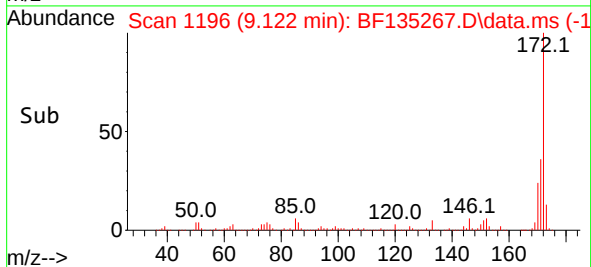
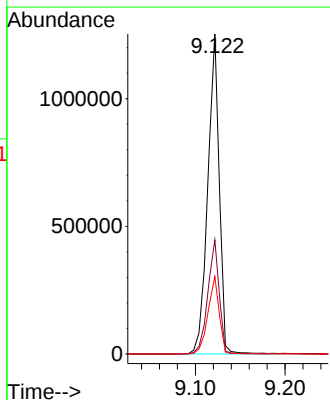
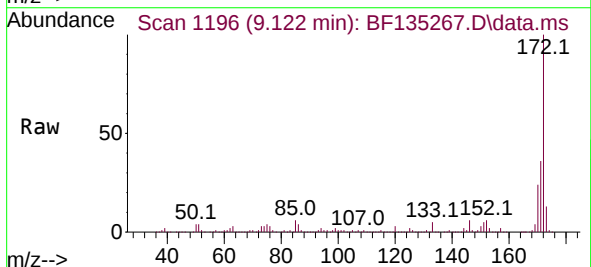
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 330 | 100   |       |       |
| 332 | 98.1  | 77.3  | 115.9 |
| 141 | 33.3  | 25.8  | 38.8  |



#45  
 2-Fluorobiphenyl  
 Concen: 72.028 ng  
 RT: 9.122 min Scan# 1196  
 Delta R.T. -0.006 min  
 Lab File: BF135267.D  
 Acq: 14 Sep 2023 22:14

Tgt Ion: 172 Resp: 1117292  

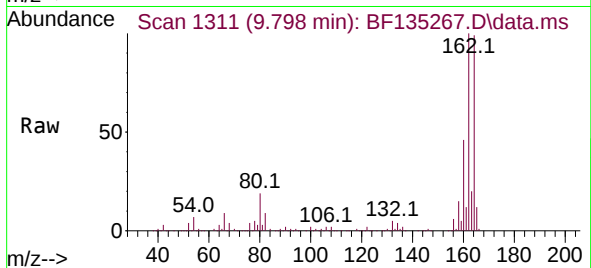
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 35.7  | 28.4  | 42.6  |
| 170 | 24.2  | 19.0  | 28.4  |



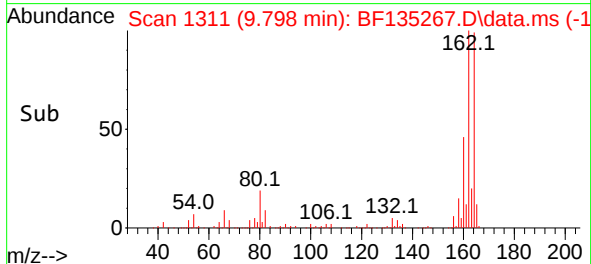
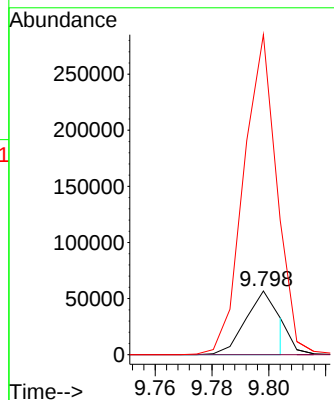


#50  
Dimethylphthalate  
Concen: 2.918 ng  
RT: 9.798 min Scan# 1311  
Delta R.T. 0.265 min  
Lab File: BF135267.D  
Acq: 14 Sep 2023 22:14

Instrument :  
BNA\_F  
ClientSampleId :

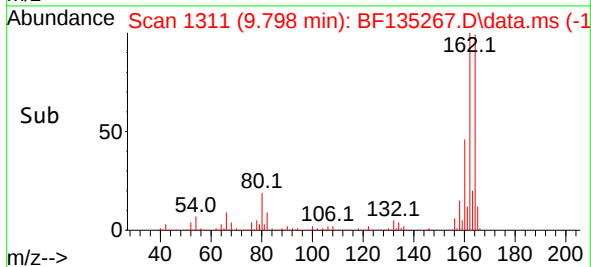
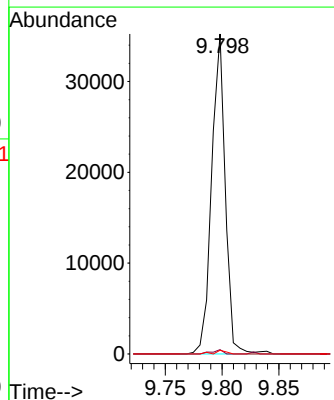
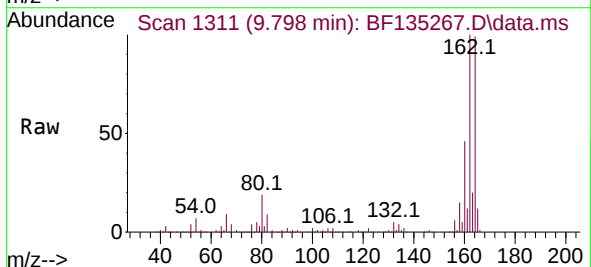


Tgt Ion:163 Resp: 46178  
Ion Ratio Lower Upper  
163 100  
194 0.0 3.1 4.7#  
164 502.9 8.1 12.1#



#51  
2,6-Dinitrotoluene  
Concen: 8.492 ng  
RT: 9.798 min Scan# 1311  
Delta R.T. 0.206 min  
Lab File: BF135267.D  
Acq: 14 Sep 2023 22:14

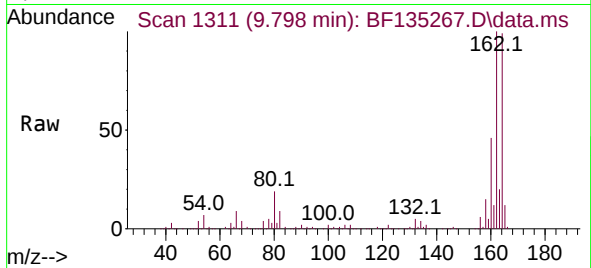
Tgt Ion:165 Resp: 29436  
Ion Ratio Lower Upper  
165 100  
63 1.4 59.4 89.2#  
89 1.1 49.8 74.8#



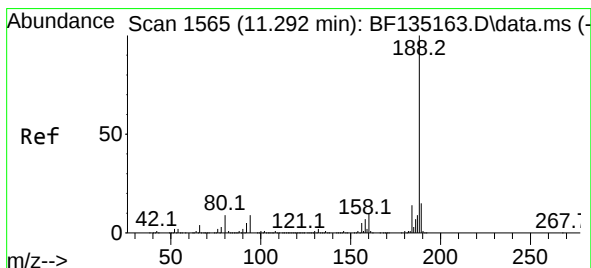
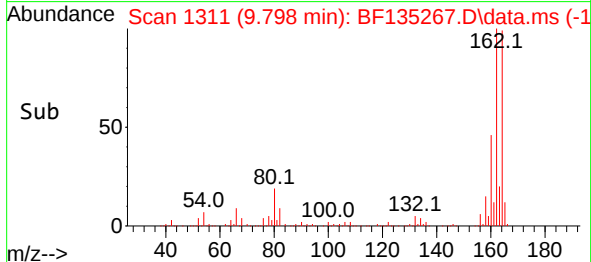
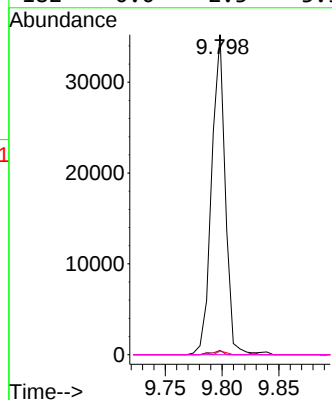


#57  
2,4-Dinitrotoluene  
Concen: 6.783 ng  
RT: 9.798 min Scan# 11  
Delta R.T. -0.206 min  
Lab File: BF135267.D  
Acq: 14 Sep 2023 22:14

Instrument :  
BNA\_F  
ClientSampleId :

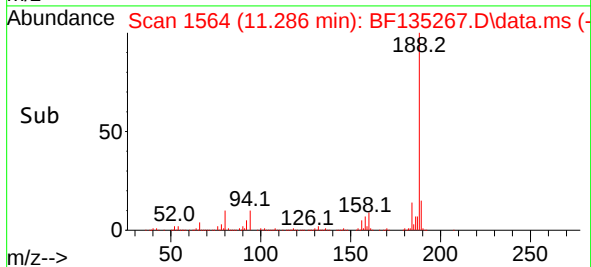
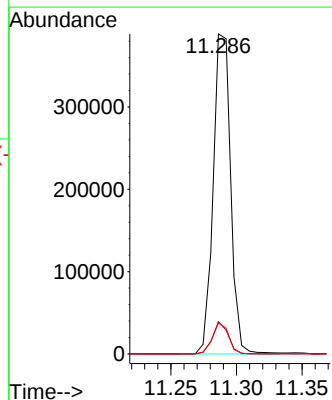
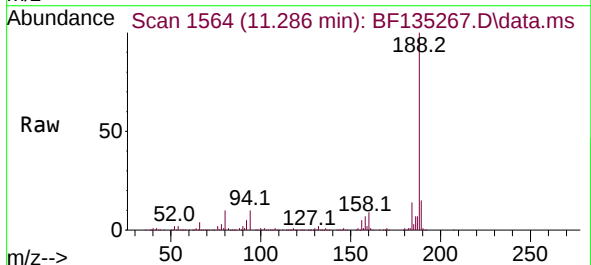


Tgt Ion:165 Resp: 29436  
Ion Ratio Lower Upper  
165 100  
63 1.4 50.1 75.1#  
89 1.1 59.3 88.9#  
182 0.0 2.3 3.5#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.286 min Scan# 1564  
Delta R.T. -0.006 min  
Lab File: BF135267.D  
Acq: 14 Sep 2023 22:14

Tgt Ion:188 Resp: 359804  
Ion Ratio Lower Upper  
188 100  
94 10.1 7.0 10.6  
80 9.7 7.5 11.3

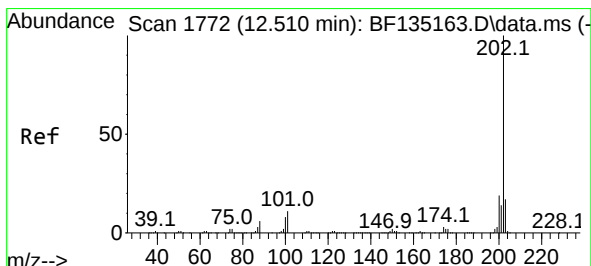
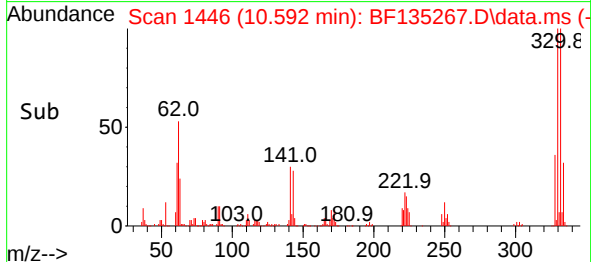
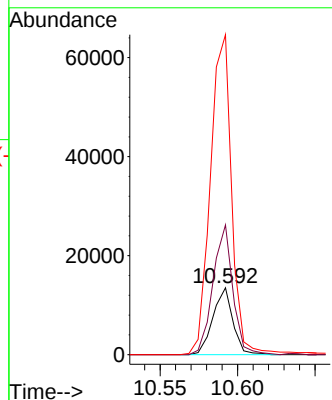
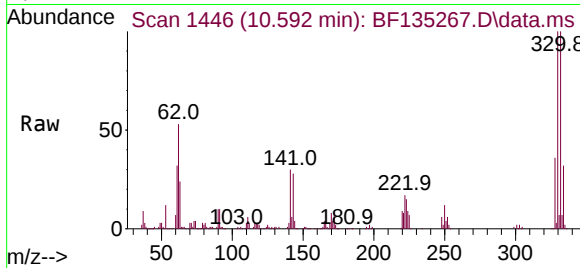




#67  
4-Bromophenyl-phenylether  
Concen: 3.375 ng  
RT: 10.592 min Scan# 1488  
Delta R.T. -0.247 min  
Lab File: BF135267.D  
Acq: 14 Sep 2023 22:14

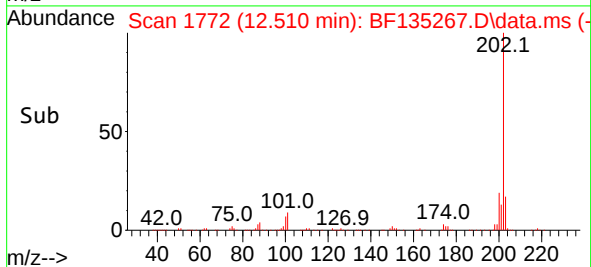
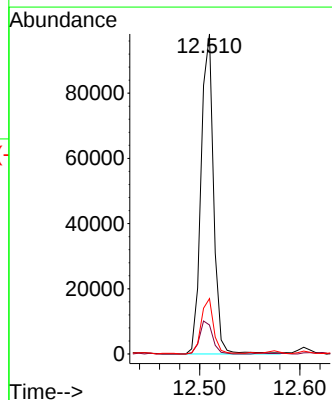
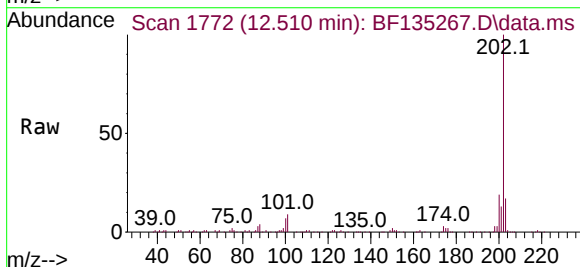
Instrument :  
BNA\_F  
ClientSampleId :

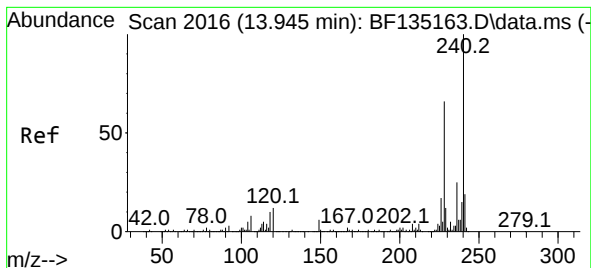
Tgt Ion:248 Resp: 12076  
Ion Ratio Lower Upper  
248 100  
250 194.0 78.6 117.8#  
141 478.2 54.2 81.2#



#75  
Fluoranthene  
Concen: 4.832 ng  
RT: 12.510 min Scan# 1772  
Delta R.T. 0.000 min  
Lab File: BF135267.D  
Acq: 14 Sep 2023 22:14

Tgt Ion:202 Resp: 85671  
Ion Ratio Lower Upper  
202 100  
101 9.0 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: BF135267.D

Acq: 14 Sep 2023 22:14

Instrument :

BNA\_F

ClientSampleId :

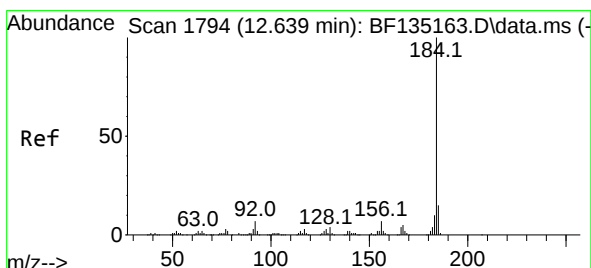
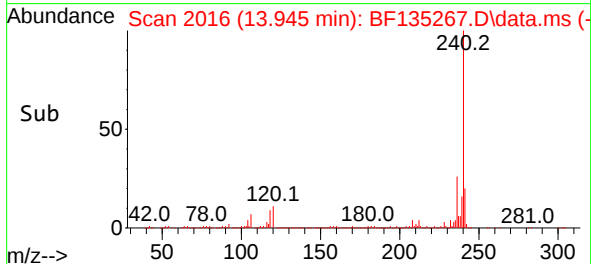
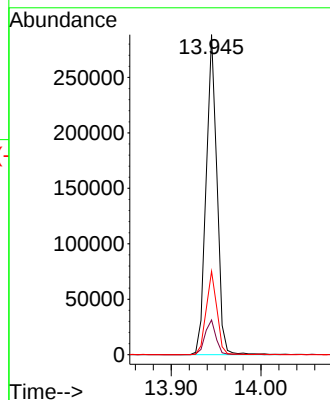
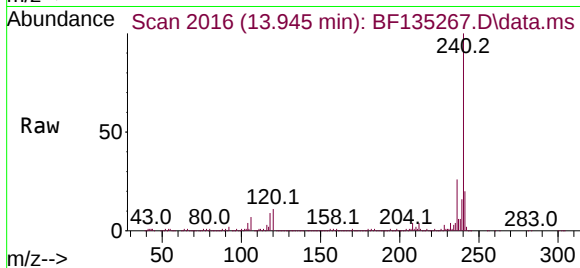
Tgt Ion:240 Resp: 241942

Ion Ratio Lower Upper

240 100

120 10.8 9.4 14.2

236 26.0 19.8 29.8



#77

Benzidine

Concen: 2.180 ng

RT: 12.886 min Scan# 1836

Delta R.T. 0.247 min

Lab File: BF135267.D

Acq: 14 Sep 2023 22:14

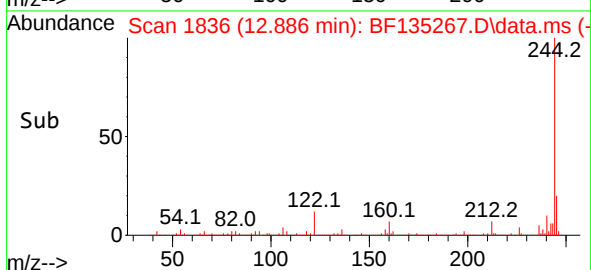
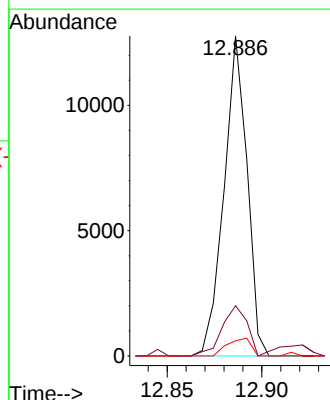
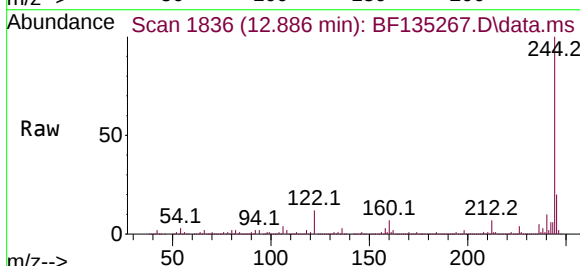
Tgt Ion:184 Resp: 10804

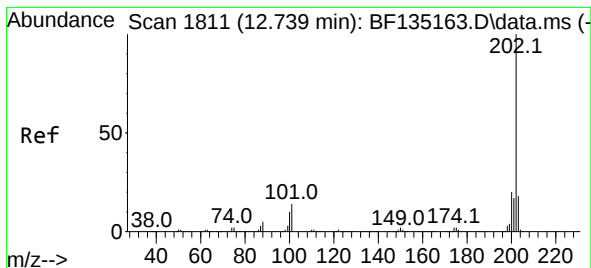
Ion Ratio Lower Upper

184 100

185 15.7 11.7 17.5

183 4.7 8.2 12.4#





#78

Pyrene

Concen: 3.218 ng

RT: 12.739 min Scan# 1811

Delta R.T. 0.000 min

Lab File: BF135267.D

Acq: 14 Sep 2023 22:14

Instrument :

BNA\_F

ClientSampleId :

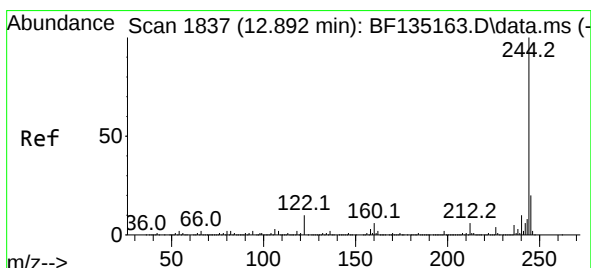
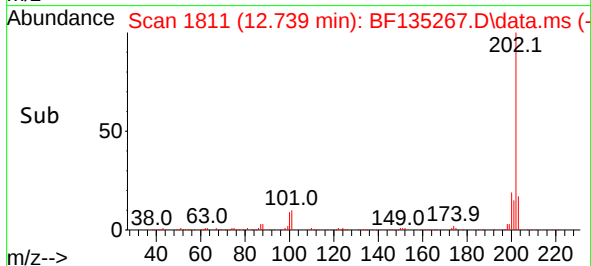
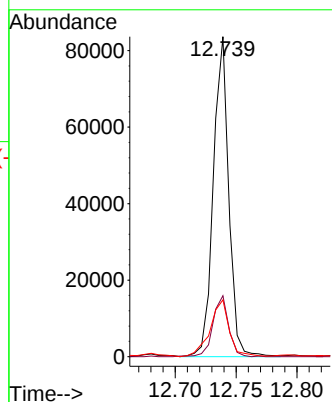
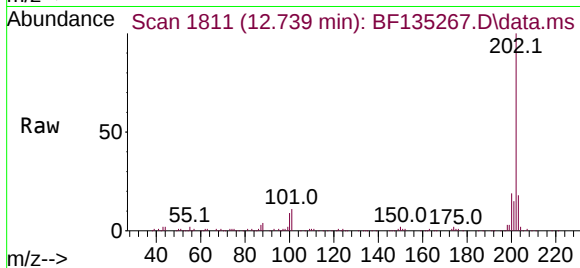
Tgt Ion:202 Resp: 74131

Ion Ratio Lower Upper

202 100

200 19.1 16.2 24.2

203 17.7 14.2 21.4



#79

Terphenyl-d14

Concen: 55.884 ng

RT: 12.886 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF135267.D

Acq: 14 Sep 2023 22:14

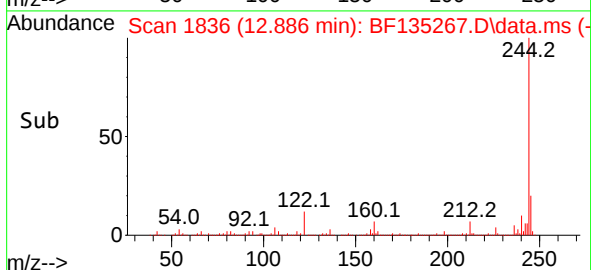
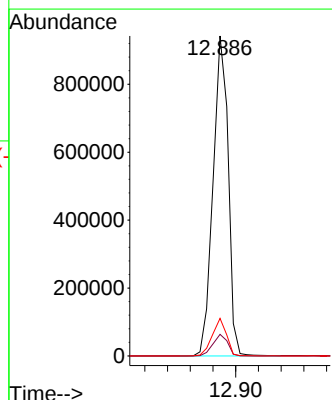
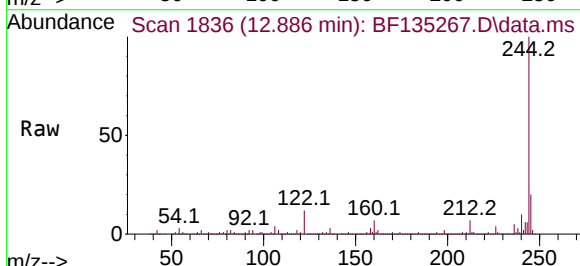
Tgt Ion:244 Resp: 872196

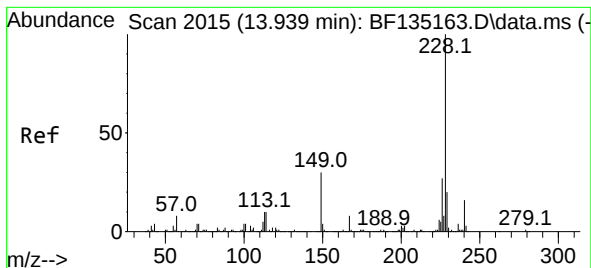
Ion Ratio Lower Upper

244 100

212 6.7 5.1 7.7

122 11.7 7.9 11.9





#81

Benzo(a)anthracene

Concen: 2.355 ng

RT: 13.933 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF135267.D

Acq: 14 Sep 2023 22:14

Instrument :

BNA\_F

ClientSampleId :

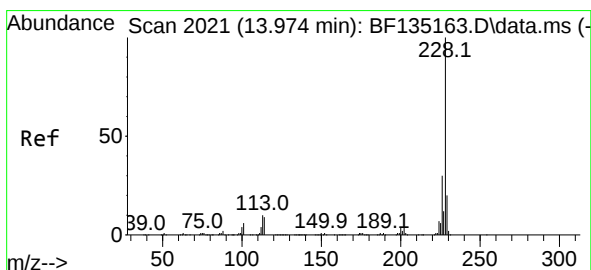
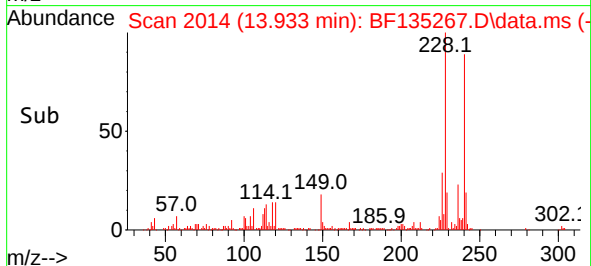
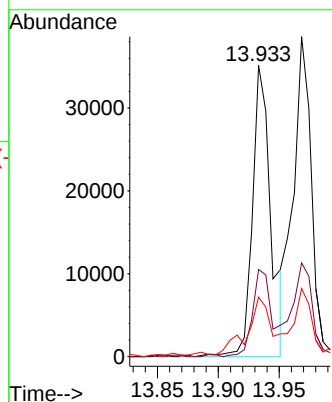
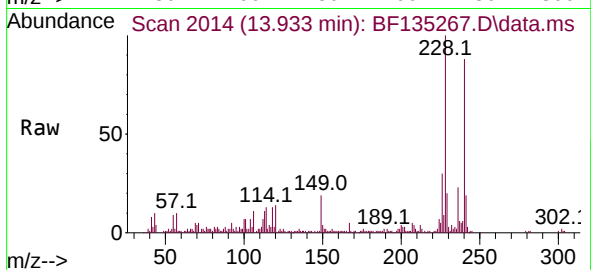
Tgt Ion:228 Resp: 36796

Ion Ratio Lower Upper

228 100

226 29.9 21.7 32.5

229 20.4 15.8 23.8



#83

Chrysene

Concen: 2.597 ng

RT: 13.968 min Scan# 2020

Delta R.T. -0.006 min

Lab File: BF135267.D

Acq: 14 Sep 2023 22:14

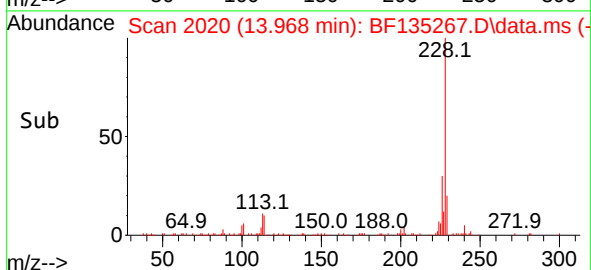
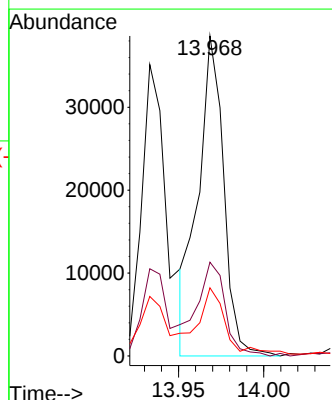
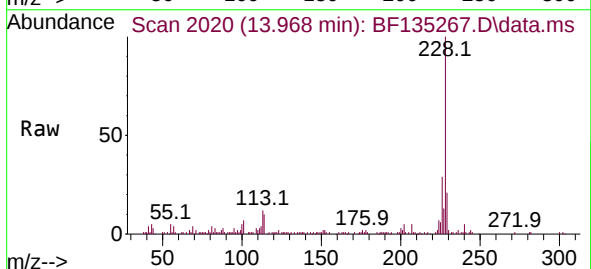
Tgt Ion:228 Resp: 40340

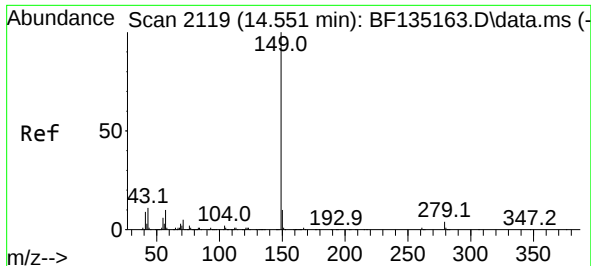
Ion Ratio Lower Upper

228 100

226 29.3 24.3 36.5

229 21.3 16.0 24.0

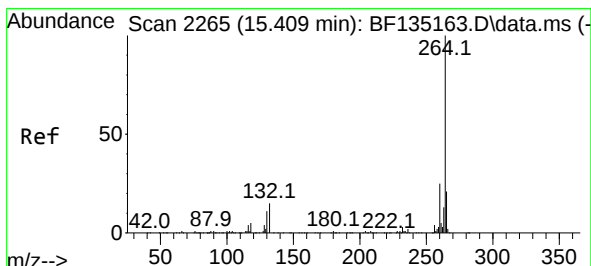
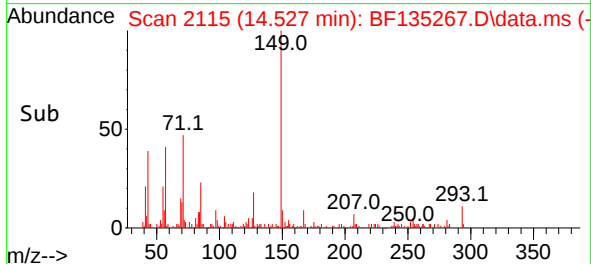
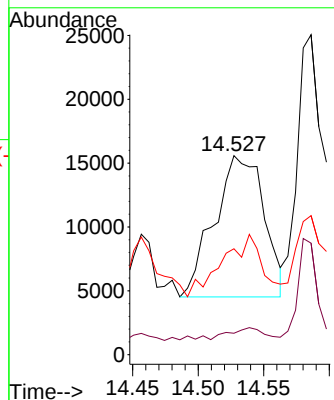
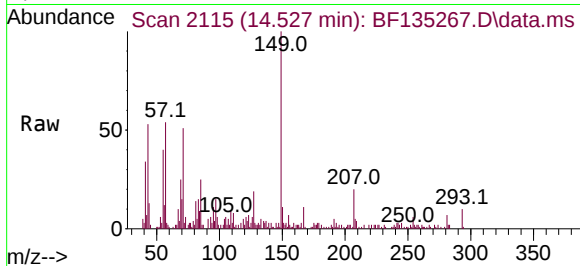




#85  
Di-n-octyl phthalate  
Concen: 2.206 ng  
RT: 14.527 min Scan# 2115  
Delta R.T. -0.023 min  
Lab File: BF135267.D  
Acq: 14 Sep 2023 22:14

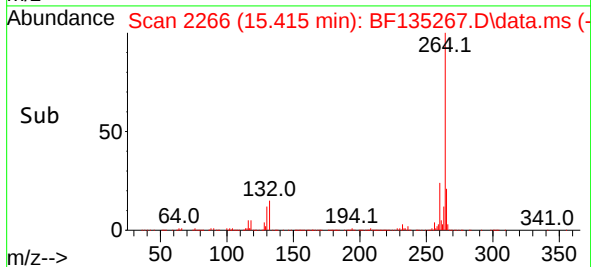
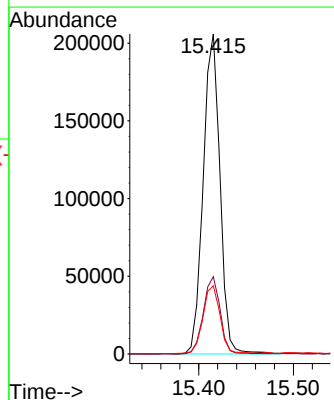
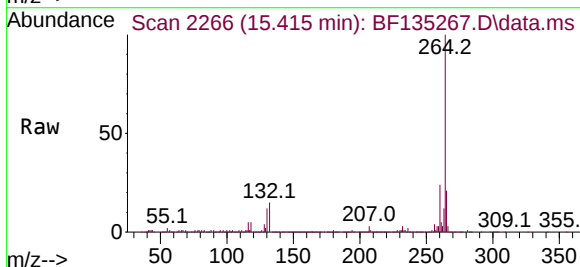
Instrument :  
BNA\_F  
ClientSampleId :

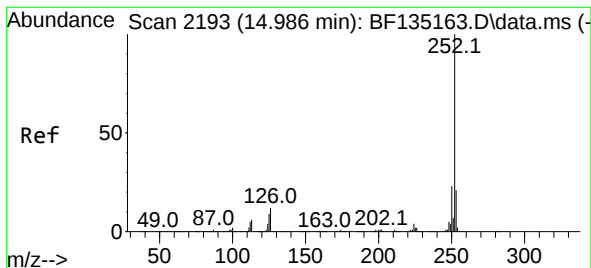
Tgt Ion:149 Resp: 29174  
Ion Ratio Lower Upper  
149 100  
167 5.8 1.1 1.7#  
43 35.0 9.8 14.6#



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.415 min Scan# 2266  
Delta R.T. 0.006 min  
Lab File: BF135267.D  
Acq: 14 Sep 2023 22:14

Tgt Ion:264 Resp: 252466  
Ion Ratio Lower Upper  
264 100  
260 24.2 19.8 29.6  
265 21.3 17.0 25.4





#88

Benzo(b)fluoranthene

Concen: 5.178 ng

RT: 14.986 min Scan# 2193

Delta R.T. 0.000 min

Lab File: BF135267.D

Acq: 14 Sep 2023 22:14

Instrument :

BNA\_F

ClientSampleId :

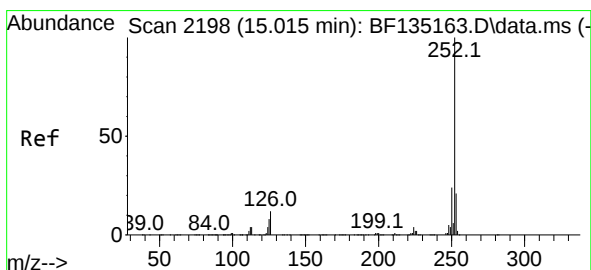
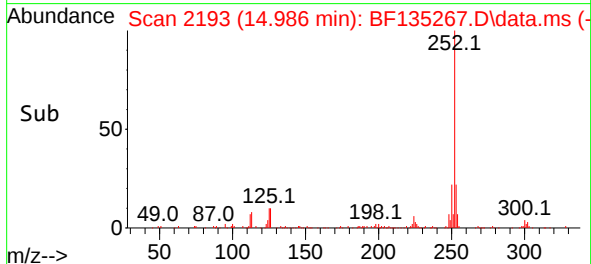
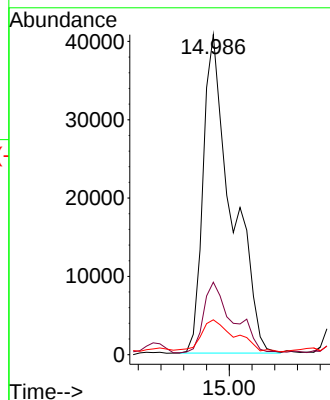
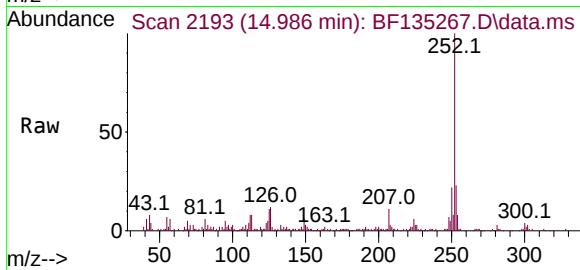
Tgt Ion:252 Resp: 70773

Ion Ratio Lower Upper

252 100

253 22.7 17.2 25.8

125 10.9 7.1 10.7#



#89

Benzo(k)fluoranthene

Concen: 5.242 ng

RT: 14.986 min Scan# 2193

Delta R.T. -0.029 min

Lab File: BF135267.D

Acq: 14 Sep 2023 22:14

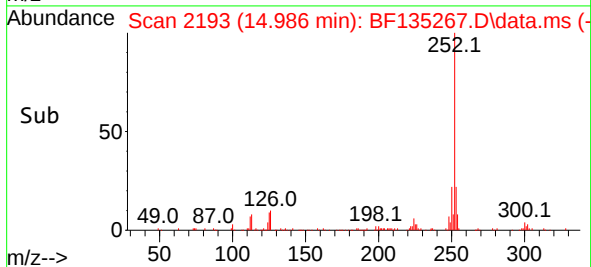
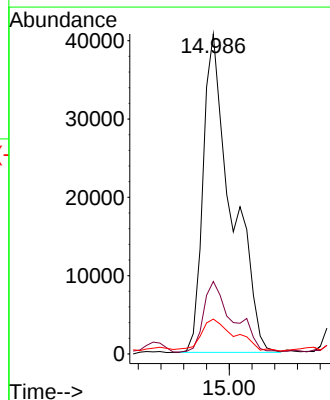
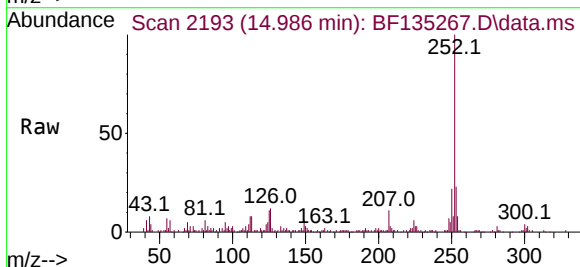
Tgt Ion:252 Resp: 70773

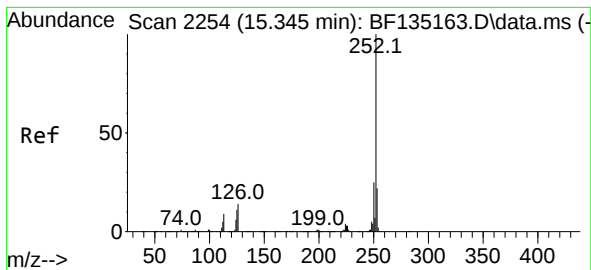
Ion Ratio Lower Upper

252 100

253 22.7 17.4 26.0

125 10.9 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 2.277 ng

RT: 15.351 min Scan# 21

Delta R.T. 0.006 min

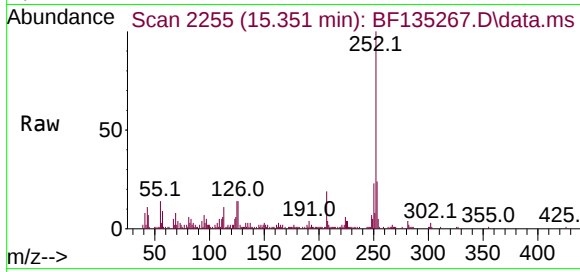
Lab File: BF135267.D

Acq: 14 Sep 2023 22:14

Instrument :

BNA\_F

ClientSampleId :



Tgt Ion:252 Resp: 29674

Ion Ratio Lower Upper

252 100

253 23.9 17.5 26.3

125 14.3 9.2 13.8#

