

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF091223\  
 Data File : BF135217.D  
 Acq On : 13 Sep 2023 10:50  
 Operator : CG\JU  
 Sample : 04110-20DL 20X  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Sep 13 12:19:00 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

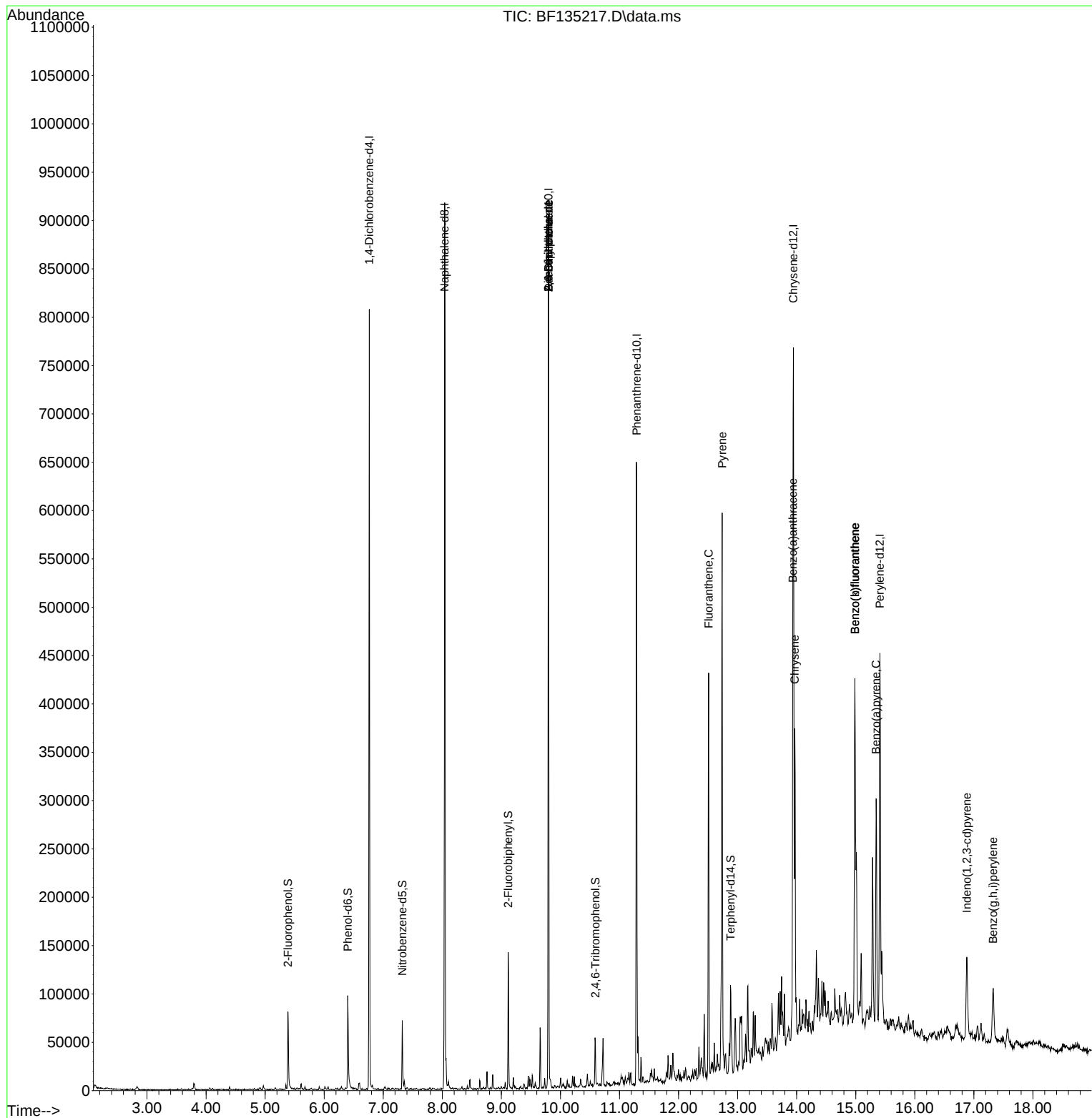
| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.763  | 152  | 104417   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.039  | 136  | 382493   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.798  | 164  | 162068   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.292 | 188  | 249381   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12            | 13.945 | 240  | 200076   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12            | 15.409 | 264  | 183099   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.387  | 112  | 24520    | 3.819  | ng    | 0.00     |
| 7) Phenol-d6                | 6.398  | 99   | 33247    | 4.073  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.322  | 82   | 21442    | 3.046  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 10.592 | 330  | 4970     | 3.086  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.116  | 172  | 44021    | 4.098  | ng    | -0.01    |
| 79) Terphenyl-d14           | 12.880 | 244  | 28767    | 2.229  | ng    | -0.01    |
| Target Compounds            |        |      |          |        |       |          |
|                             |        |      |          |        |       | Qvalue   |
| 50) Dimethylphthalate       | 9.798  | 163  | 31484    | 2.873  | ng    | # 1      |
| 51) 2,6-Dinitrotoluene      | 9.798  | 165  | 21378    | 8.906  | ng    | # 17     |
| 57) 2,4-Dinitrotoluene      | 9.798  | 165  | 21378    | 7.114  | ng    | # 18     |
| 75) Fluoranthene            | 12.510 | 202  | 165144   | 13.437 | ng    | 98       |
| 78) Pyrene                  | 12.739 | 202  | 231195   | 12.137 | ng    | 99       |
| 81) Benzo(a)anthracene      | 13.933 | 228  | 139224   | 10.776 | ng    | 94       |
| 83) Chrysene                | 13.968 | 228  | 130414   | 10.153 | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene  | 16.880 | 276  | 55242    | 4.602  | ng    | 96       |
| 88) Benzo(b)fluoranthene    | 14.986 | 252  | 246776   | 24.897 | ng    | 98       |
| 89) Benzo(k)fluoranthene    | 14.986 | 252  | 246776   | 25.204 | ng    | 98       |
| 90) Benzo(a)pyrene          | 15.345 | 252  | 106043   | 11.219 | ng    | 97       |
| 92) Benzo(g,h,i)perylene    | 17.327 | 276  | 44933    | 4.380  | ng    | # 93     |
| -----                       |        |      |          |        |       |          |

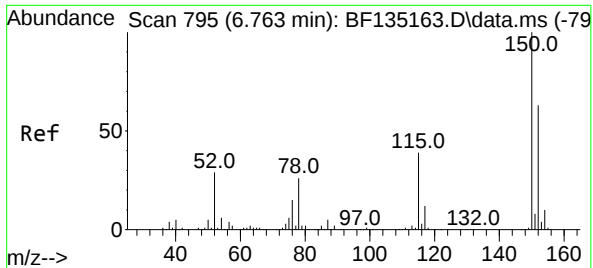
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF091223\  
Data File : BF135217.D  
Acq On : 13 Sep 2023 10:50  
Operator : CG\JU  
Sample : 04110-20DL 20X  
Misc :  
ALS Vial : 32 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :

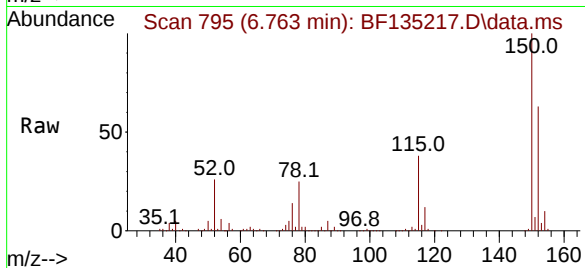
Quant Time: Sep 13 12:19:00 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091123.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Sep 12 00:19:07 2023  
Response via : Initial Calibration



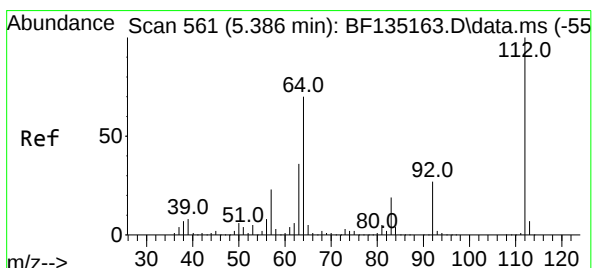
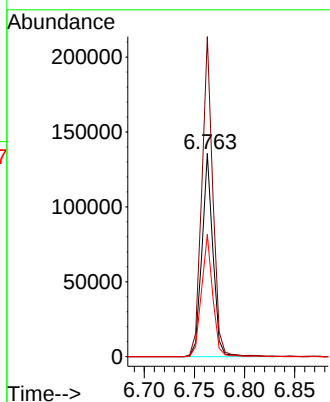
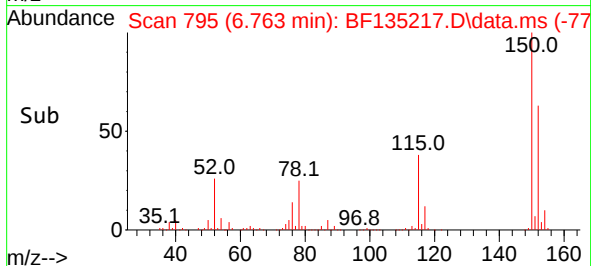


#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.763 min Scan# 795  
Delta R.T. -0.000 min  
Lab File: BF135217.D  
Acq: 13 Sep 2023 10:50

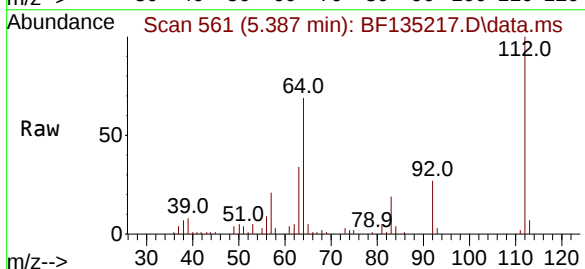
Instrument :  
BNA\_F  
ClientSampleId :



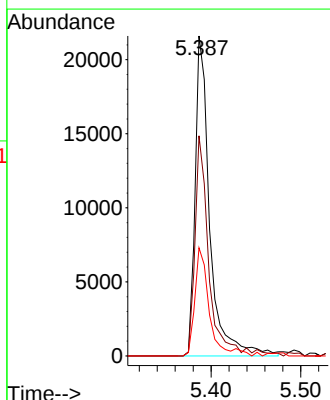
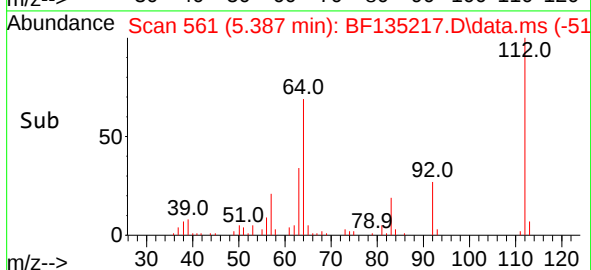
Tgt Ion:152 Resp: 104417  
Ion Ratio Lower Upper  
152 100  
150 157.5 127.8 191.6  
115 60.2 49.8 74.8

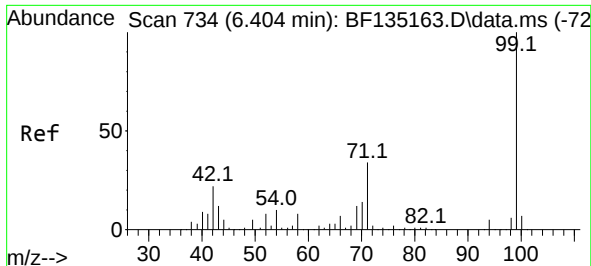


#5  
2-Fluorophenol  
Concen: 3.819 ng  
RT: 5.387 min Scan# 561  
Delta R.T. 0.000 min  
Lab File: BF135217.D  
Acq: 13 Sep 2023 10:50



Tgt Ion:112 Resp: 24520  
Ion Ratio Lower Upper  
112 100  
64 68.8 55.9 83.9  
63 33.8 29.0 43.6

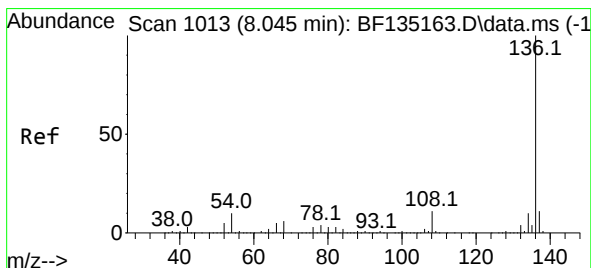
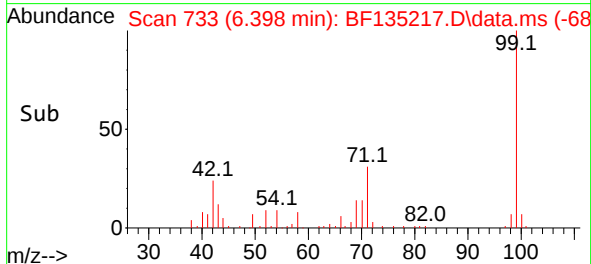
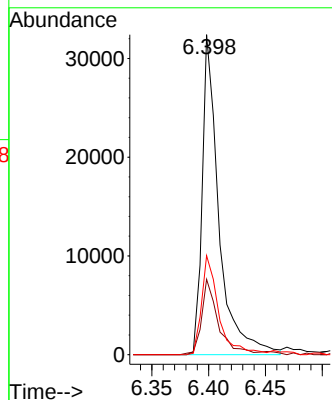
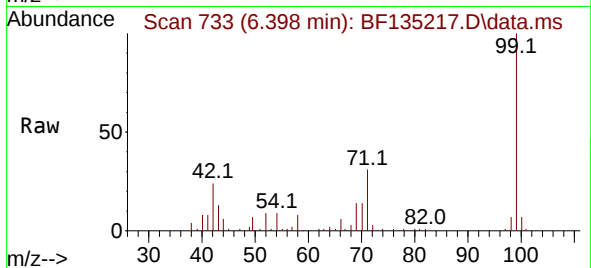




#7  
Phenol-d6  
Concen: 4.073 ng  
RT: 6.398 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF135217.D  
Acq: 13 Sep 2023 10:50

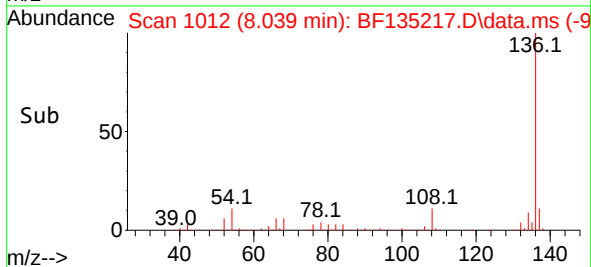
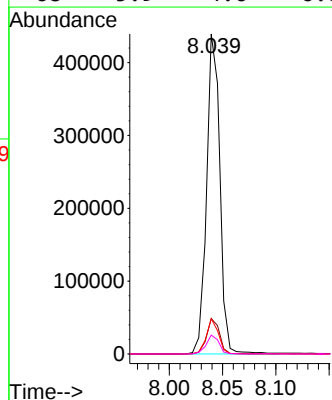
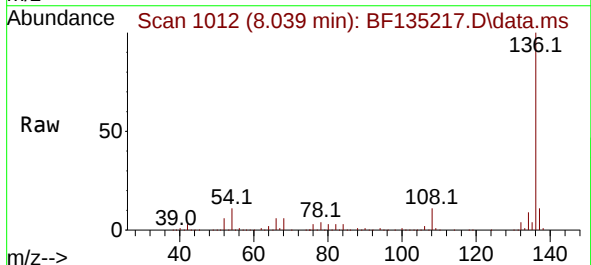
Instrument :  
BNA\_F  
ClientSampleId :

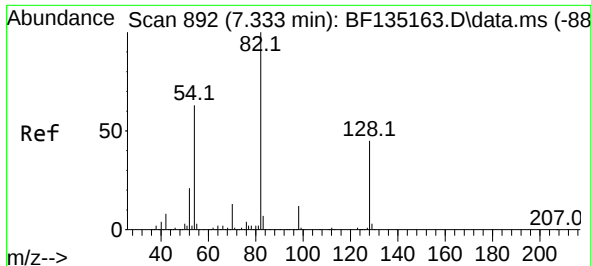
Tgt Ion: 99 Resp: 33247  
Ion Ratio Lower Upper  
99 100  
42 23.6 17.9 26.9  
71 31.0 27.0 40.6



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.039 min Scan# 1012  
Delta R.T. -0.006 min  
Lab File: BF135217.D  
Acq: 13 Sep 2023 10:50

Tgt Ion: 136 Resp: 382493  
Ion Ratio Lower Upper  
136 100  
137 11.1 8.8 13.2  
54 11.0 7.7 11.5  
68 5.9 4.6 6.8





#23

Nitrobenzene-d5

Concen: 3.046 ng

RT: 7.322 min Scan# 89

Delta R.T. -0.012 min

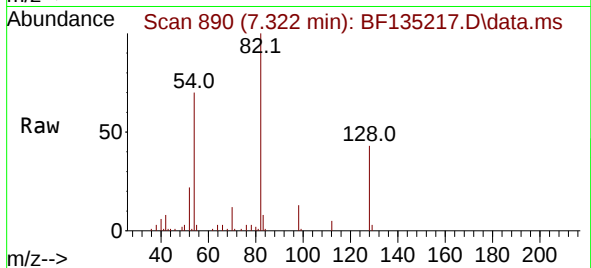
Lab File: BF135217.D

Acq: 13 Sep 2023 10:50

Instrument :

BNA\_F

ClientSampleId :



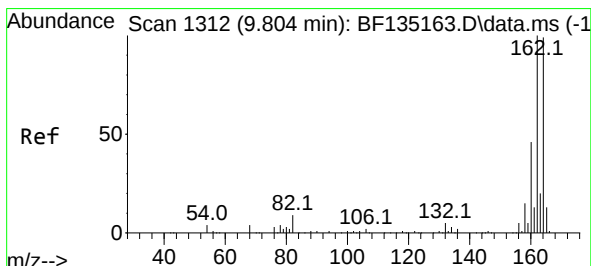
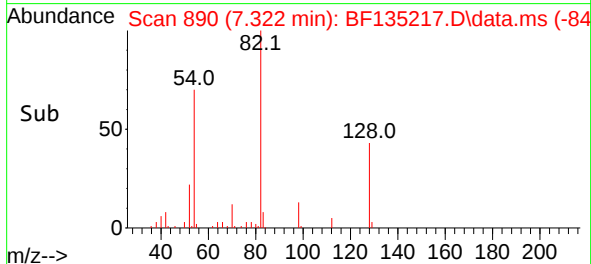
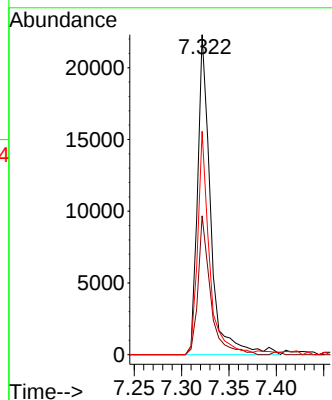
Tgt Ion: 82 Resp: 21442

Ion Ratio Lower Upper

82 100

128 43.4 35.8 53.6

54 69.8 50.6 76.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.798 min Scan# 1311

Delta R.T. -0.006 min

Lab File: BF135217.D

Acq: 13 Sep 2023 10:50

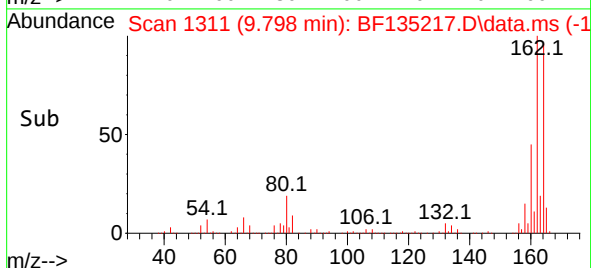
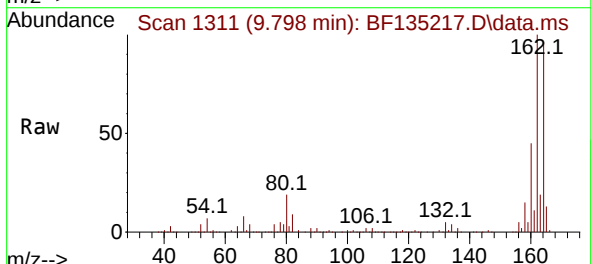
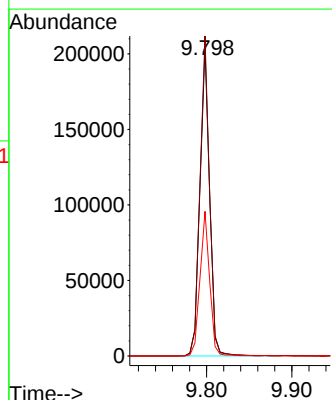
Tgt Ion:164 Resp: 162068

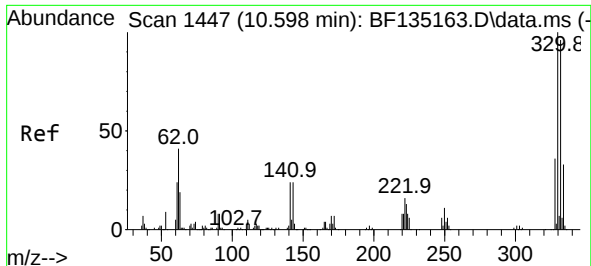
Ion Ratio Lower Upper

164 100

162 103.7 81.0 121.4

160 46.9 37.0 55.4





#42

2,4,6-Tribromophenol

Concen: 3.086 ng

RT: 10.592 min Scan# 1446

Delta R.T. -0.006 min

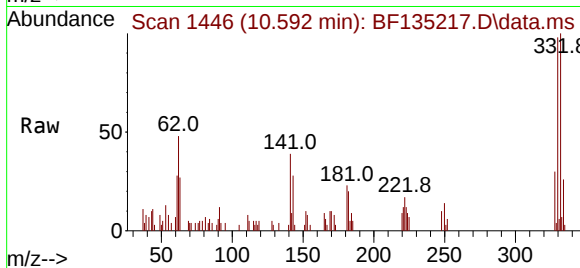
Lab File: BF135217.D

Acq: 13 Sep 2023 10:50

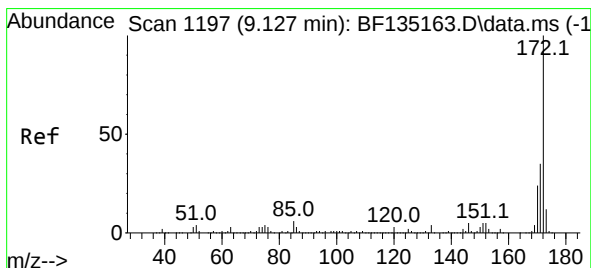
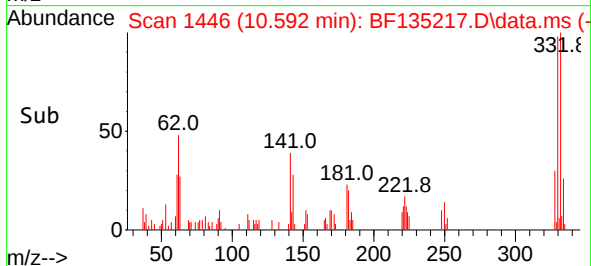
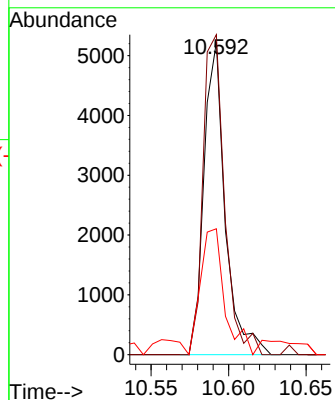
Instrument :

BNA\_F

ClientSampleId :



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 330   | Resp: | 4970  |
| Ion Ratio | Lower | Upper |       |
| 330       | 100   |       |       |
| 332       | 104.1 | 77.3  | 115.9 |
| 141       | 45.7  | 25.8  | 38.8  |



#45

2-Fluorobiphenyl

Concen: 4.098 ng

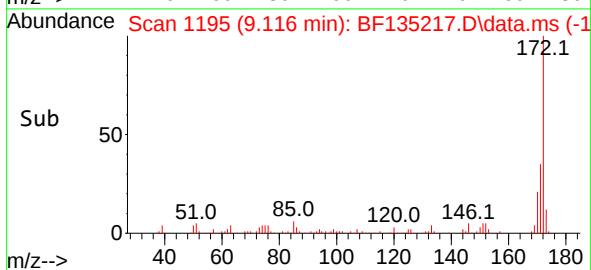
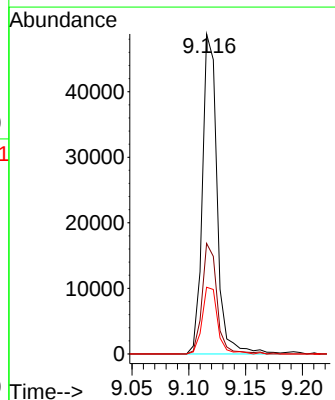
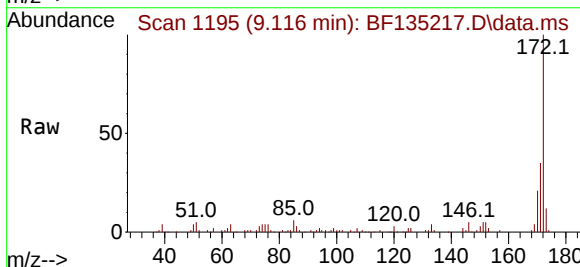
RT: 9.116 min Scan# 1195

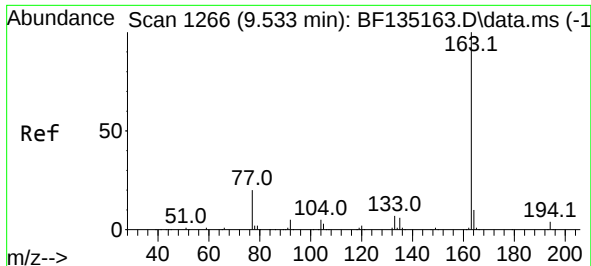
Delta R.T. -0.012 min

Lab File: BF135217.D

Acq: 13 Sep 2023 10:50

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 172   | Resp: | 44021 |
| Ion Ratio | Lower | Upper |       |
| 172       | 100   |       |       |
| 171       | 34.6  | 28.4  | 42.6  |
| 170       | 20.9  | 19.0  | 28.4  |

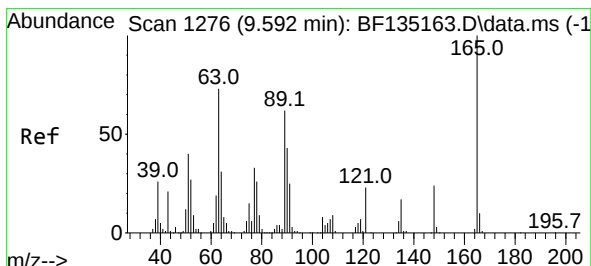
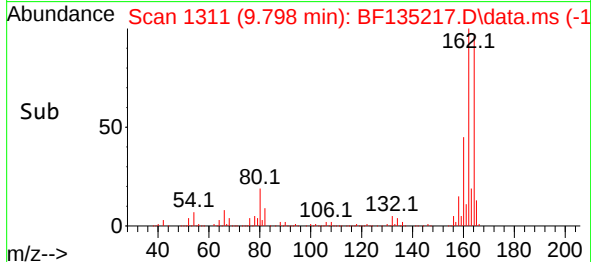
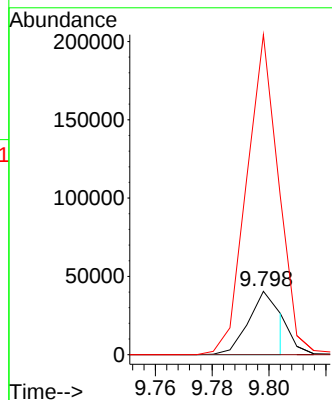
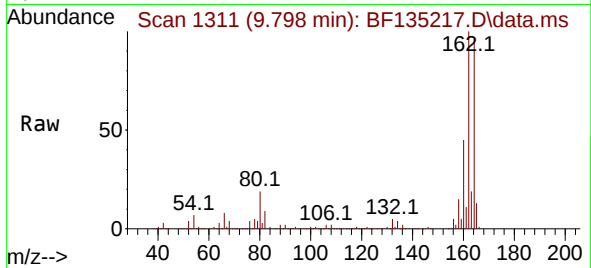




#50  
Dimethylphthalate  
Concen: 2.873 ng  
RT: 9.798 min Scan# 1311  
Delta R.T. 0.265 min  
Lab File: BF135217.D  
Acq: 13 Sep 2023 10:50

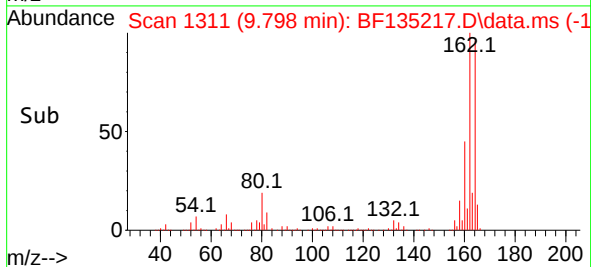
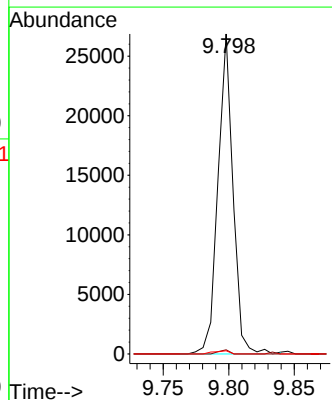
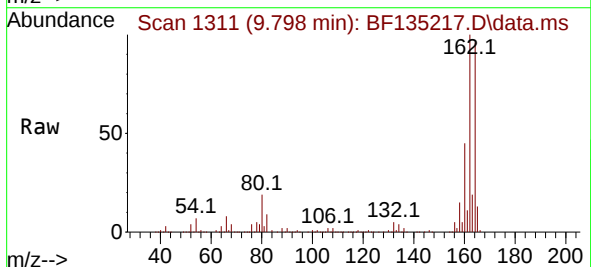
Instrument :  
BNA\_F  
ClientSampleId :

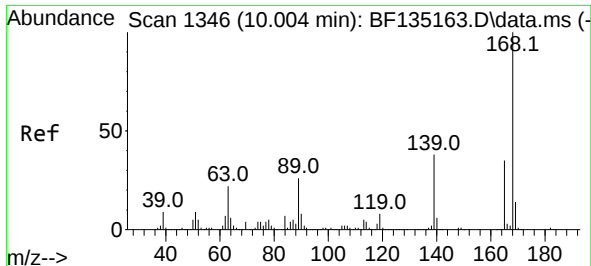
Tgt Ion:163 Resp: 31484  
Ion Ratio Lower Upper  
163 100  
194 0.0 3.1 4.7#  
164 504.8 8.1 12.1#



#51  
2,6-Dinitrotoluene  
Concen: 8.906 ng  
RT: 9.798 min Scan# 1311  
Delta R.T. 0.206 min  
Lab File: BF135217.D  
Acq: 13 Sep 2023 10:50

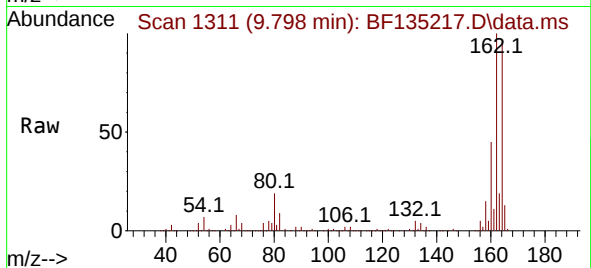
Tgt Ion:165 Resp: 21378  
Ion Ratio Lower Upper  
165 100  
63 1.3 59.4 89.2#  
89 1.0 49.8 74.8#



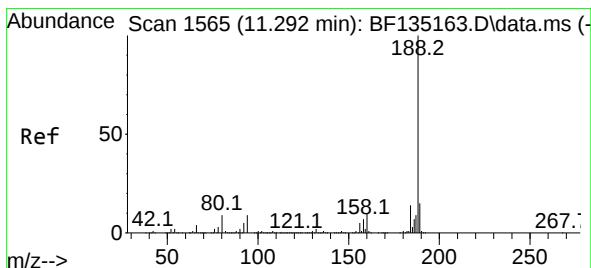
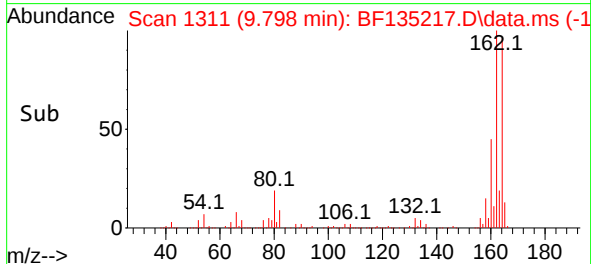
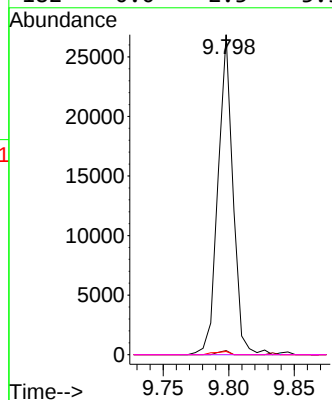


#57  
2,4-Dinitrotoluene  
Concen: 7.114 ng  
RT: 9.798 min Scan# 11  
Delta R.T. -0.206 min  
Lab File: BF135217.D  
Acq: 13 Sep 2023 10:50

Instrument :  
BNA\_F  
ClientSampleId :

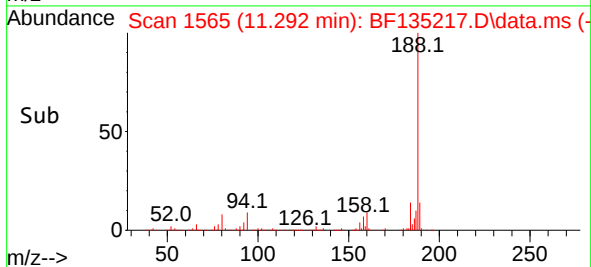
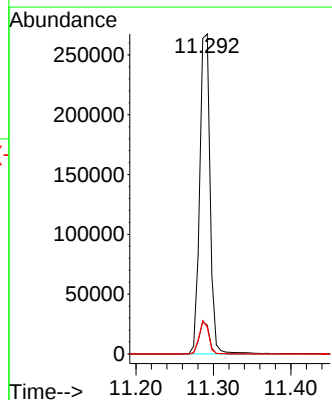
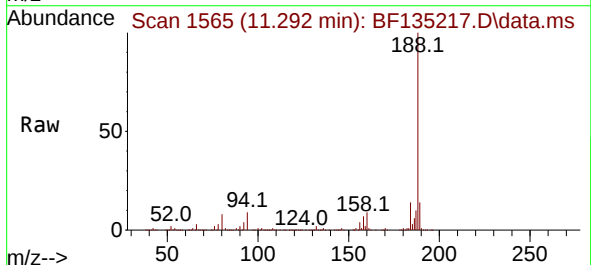


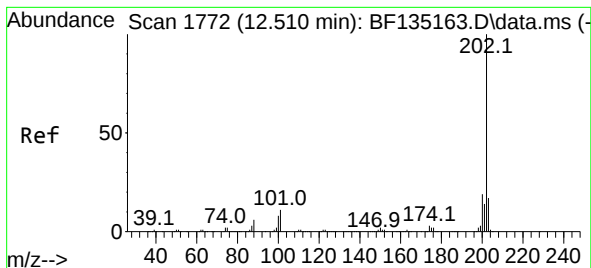
Tgt Ion:165 Resp: 21378  
Ion Ratio Lower Upper  
165 100  
63 1.3 50.1 75.1#  
89 1.0 59.3 88.9#  
182 0.0 2.3 3.5#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.292 min Scan# 1565  
Delta R.T. 0.000 min  
Lab File: BF135217.D  
Acq: 13 Sep 2023 10:50

Tgt Ion:188 Resp: 249381  
Ion Ratio Lower Upper  
188 100  
94 9.0 7.0 10.6  
80 8.3 7.5 11.3





#75

Fluoranthene

Concen: 13.437 ng

RT: 12.510 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF135217.D

Acq: 13 Sep 2023 10:50

Instrument :

BNA\_F

ClientSampleId :

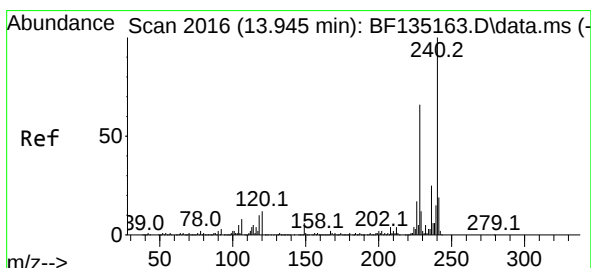
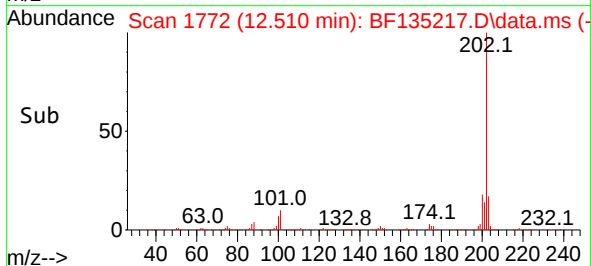
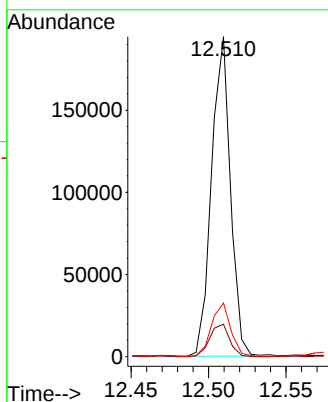
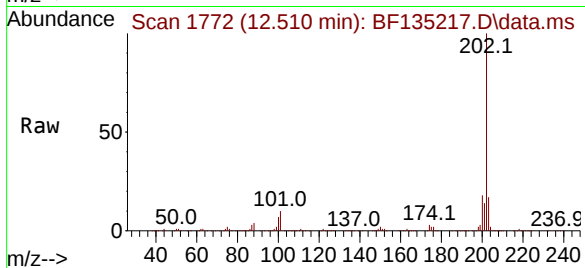
Tgt Ion:202 Resp: 165144

Ion Ratio Lower Upper

202 100

101 10.2 0.0 31.3

203 16.8 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: BF135217.D

Acq: 13 Sep 2023 10:50

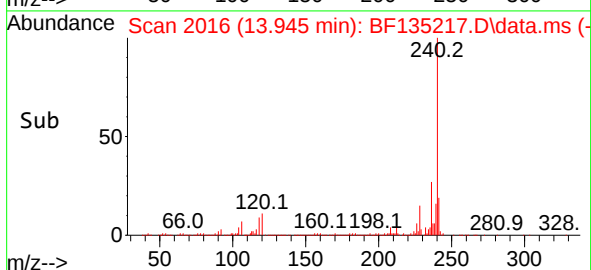
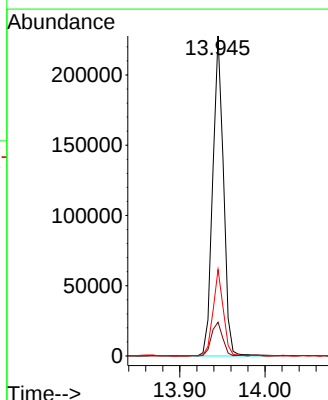
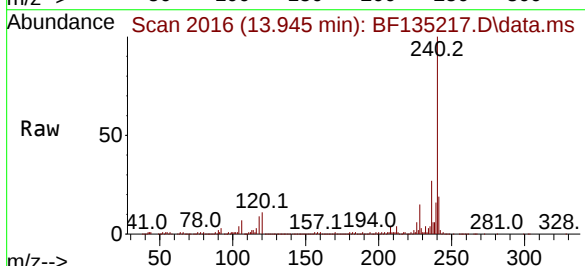
Tgt Ion:240 Resp: 200076

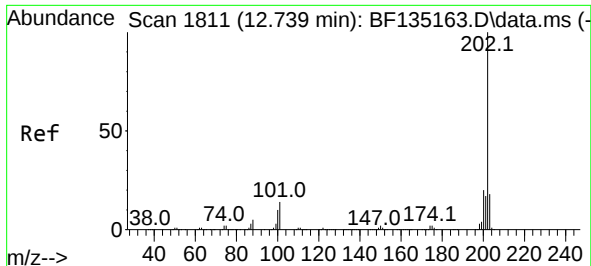
Ion Ratio Lower Upper

240 100

120 10.6 9.4 14.2

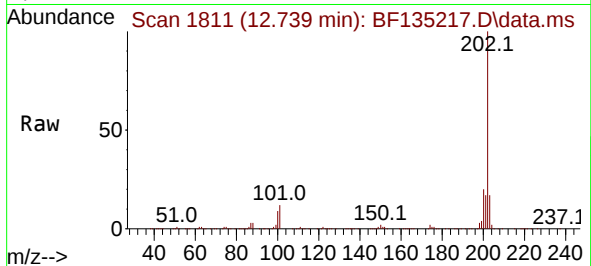
236 27.0 19.8 29.8



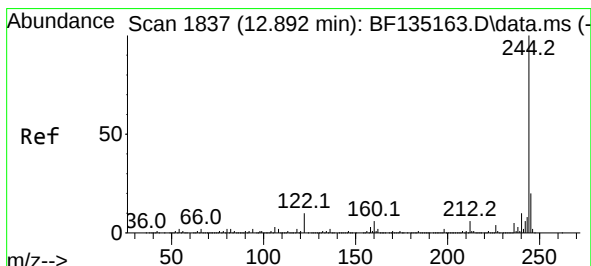
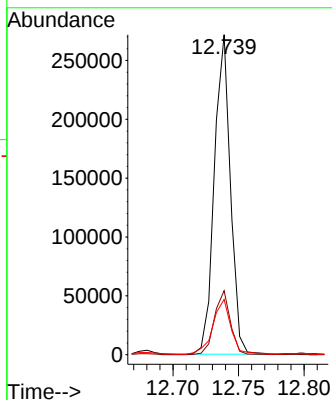
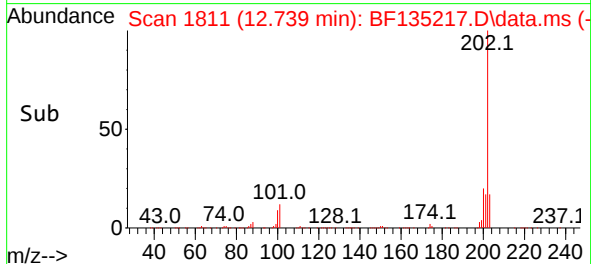


#78  
Pyrene  
Concen: 12.137 ng  
RT: 12.739 min Scan# 1811  
Delta R.T. 0.000 min  
Lab File: BF135217.D  
Acq: 13 Sep 2023 10:50

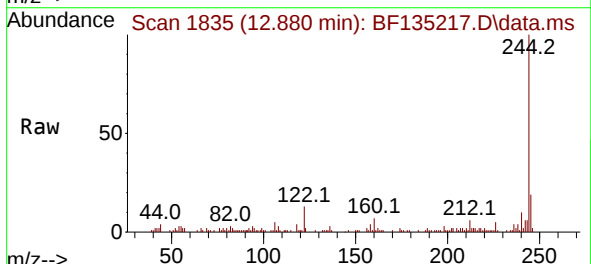
Instrument :  
BNA\_F  
ClientSampleId :



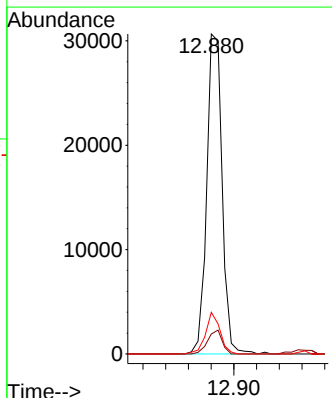
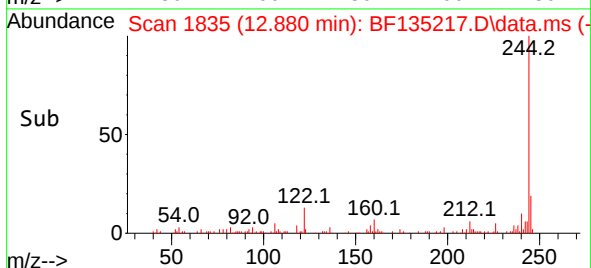
Tgt Ion:202 Resp: 231195  
Ion Ratio Lower Upper  
202 100  
200 20.0 16.2 24.2  
203 17.2 14.2 21.4

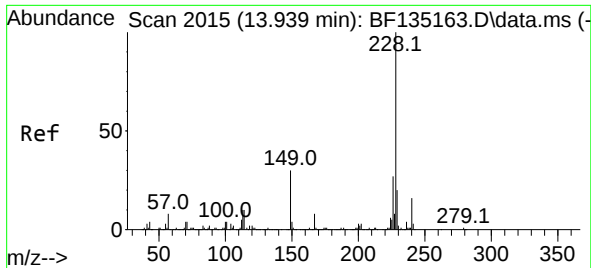


#79  
Terphenyl-d14  
Concen: 2.229 ng  
RT: 12.880 min Scan# 1835  
Delta R.T. -0.012 min  
Lab File: BF135217.D  
Acq: 13 Sep 2023 10:50



Tgt Ion:244 Resp: 28767  
Ion Ratio Lower Upper  
244 100  
212 6.3 5.1 7.7  
122 13.0 7.9 11.9#

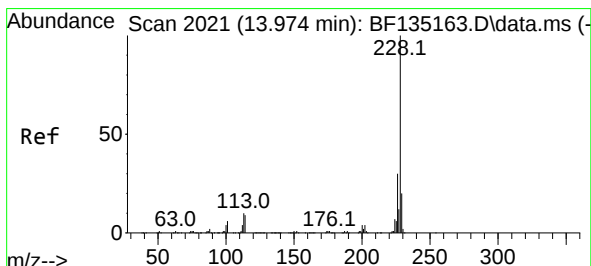
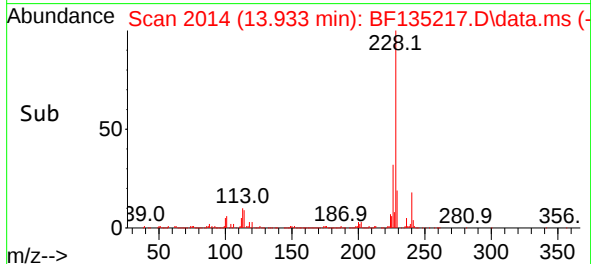
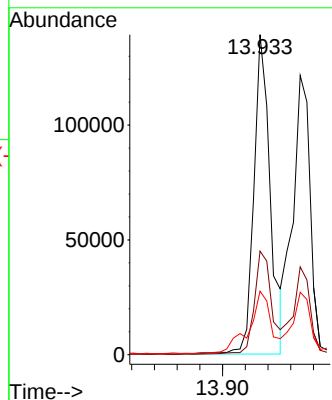
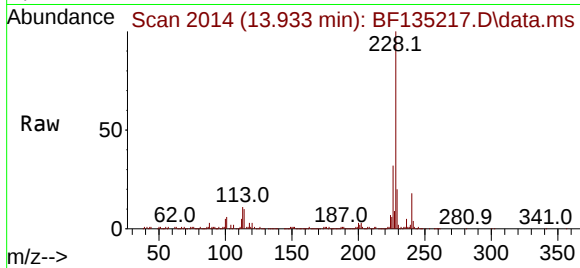




#81  
Benzo(a)anthracene  
Concen: 10.776 ng  
RT: 13.933 min Scan# 20  
Delta R.T. -0.006 min  
Lab File: BF135217.D  
Acq: 13 Sep 2023 10:50

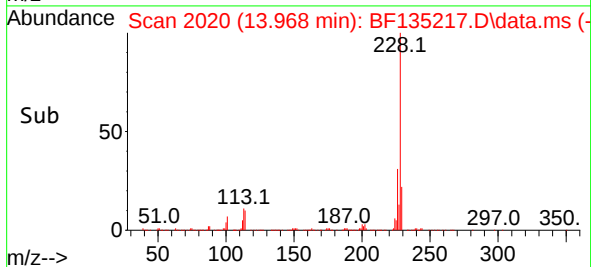
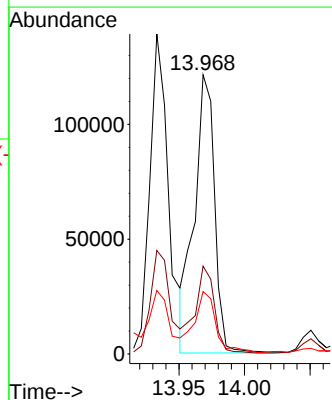
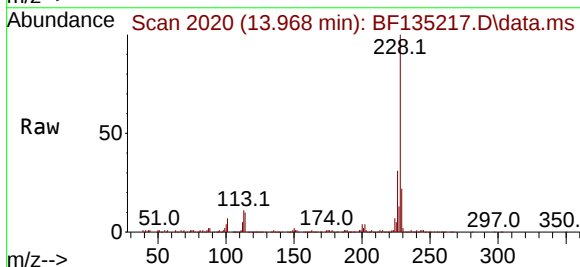
Instrument :  
BNA\_F  
ClientSampleId :

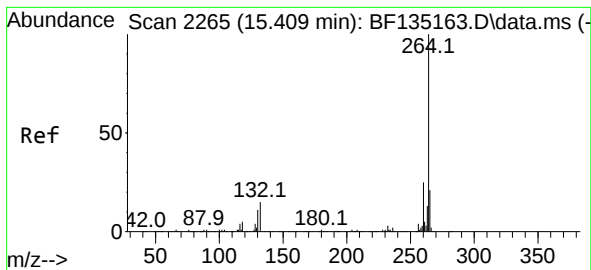
Tgt Ion:228 Resp: 139224  
Ion Ratio Lower Upper  
228 100  
226 32.4 21.7 32.5  
229 19.8 15.8 23.8



#83  
Chrysene  
Concen: 10.153 ng  
RT: 13.968 min Scan# 2020  
Delta R.T. -0.006 min  
Lab File: BF135217.D  
Acq: 13 Sep 2023 10:50

Tgt Ion:228 Resp: 130414  
Ion Ratio Lower Upper  
228 100  
226 31.5 24.3 36.5  
229 22.4 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.409 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF135217.D

Acq: 13 Sep 2023 10:50

Instrument :

BNA\_F

ClientSampleId :

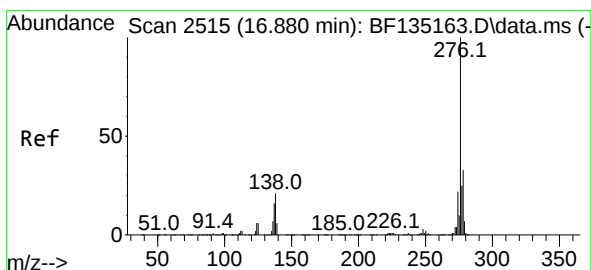
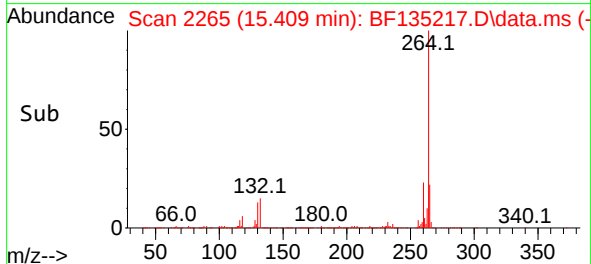
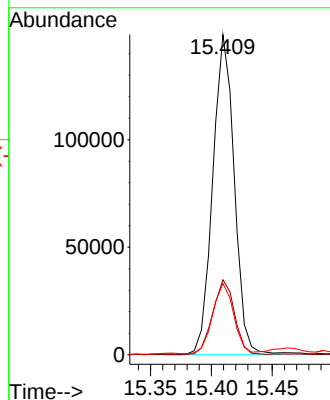
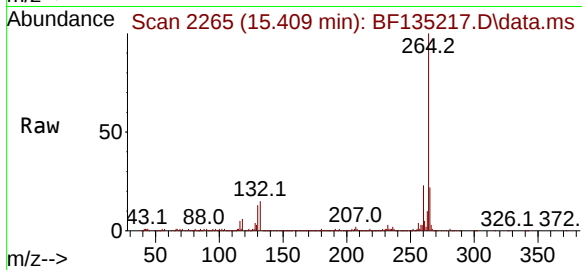
Tgt Ion:264 Resp: 183099

Ion Ratio Lower Upper

264 100

260 23.4 19.8 29.6

265 22.2 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.602 ng

RT: 16.880 min Scan# 2515

Delta R.T. 0.000 min

Lab File: BF135217.D

Acq: 13 Sep 2023 10:50

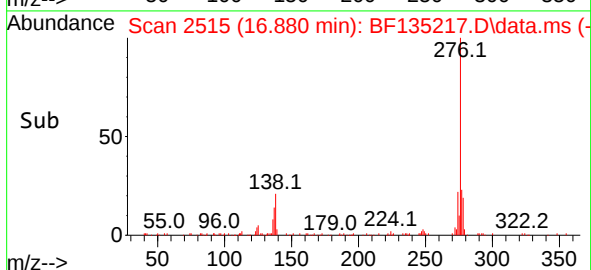
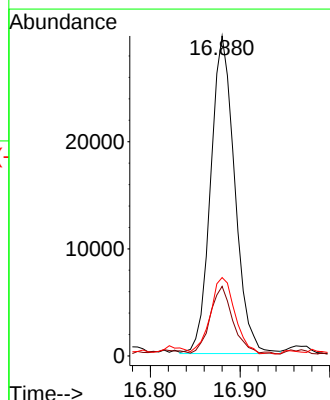
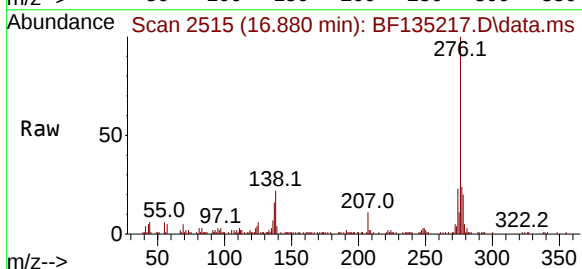
Tgt Ion:276 Resp: 55242

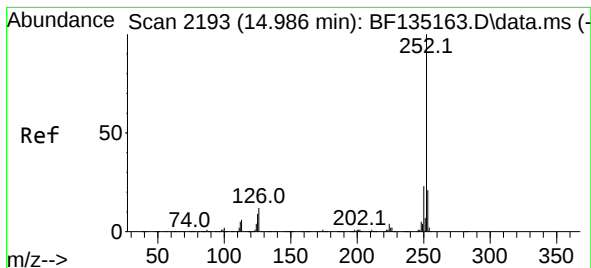
Ion Ratio Lower Upper

276 100

138 20.5 19.2 28.8

277 24.7 19.7 29.5





#88

Benzo(b)fluoranthene

Concen: 24.897 ng

RT: 14.986 min Scan# 2193

Delta R.T. 0.000 min

Lab File: BF135217.D

Acq: 13 Sep 2023 10:50

Instrument :

BNA\_F

ClientSampleId :

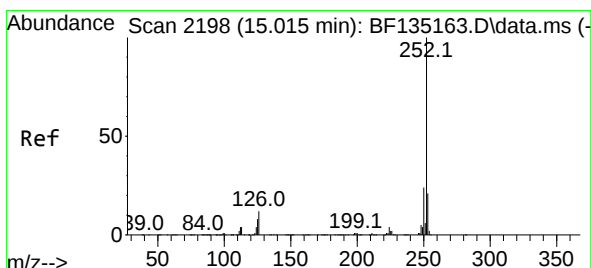
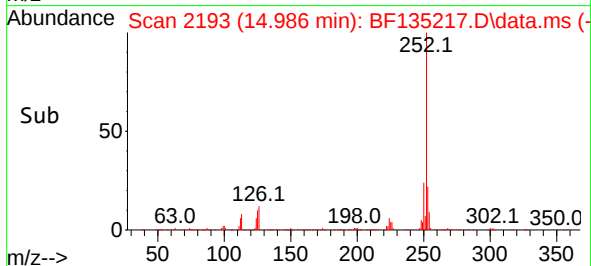
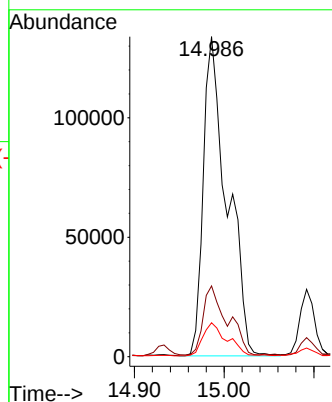
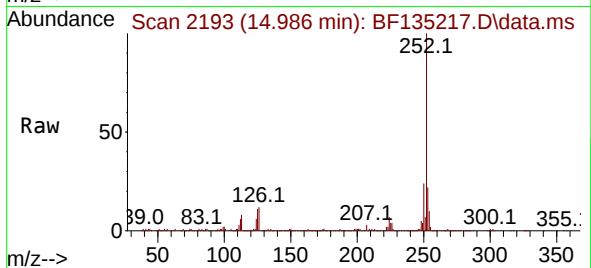
Tgt Ion:252 Resp: 246776

Ion Ratio Lower Upper

252 100

253 22.1 17.2 25.8

125 10.6 7.1 10.7



#89

Benzo(k)fluoranthene

Concen: 25.204 ng

RT: 14.986 min Scan# 2193

Delta R.T. -0.029 min

Lab File: BF135217.D

Acq: 13 Sep 2023 10:50

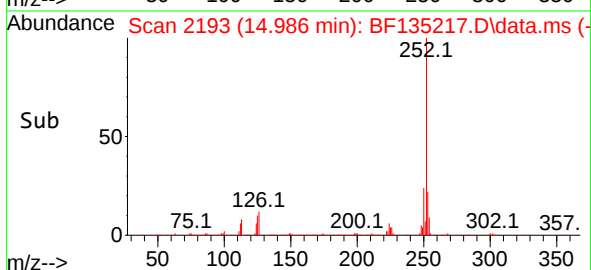
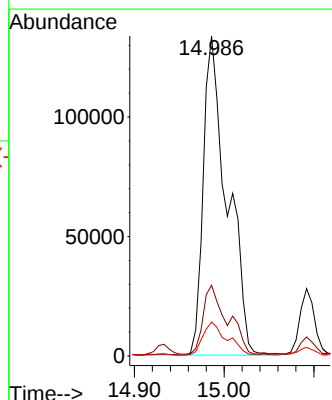
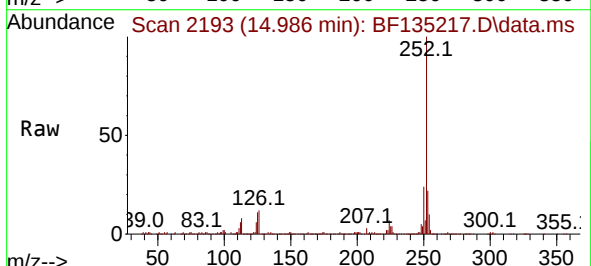
Tgt Ion:252 Resp: 246776

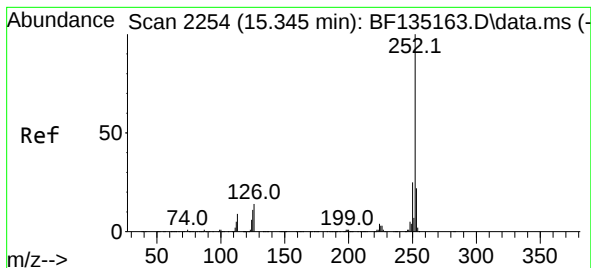
Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.0

125 10.6 7.2 10.8





#90

Benzo(a)pyrene

Concen: 11.219 ng

RT: 15.345 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF135217.D

Acq: 13 Sep 2023 10:50

Instrument :

BNA\_F

ClientSampleId :

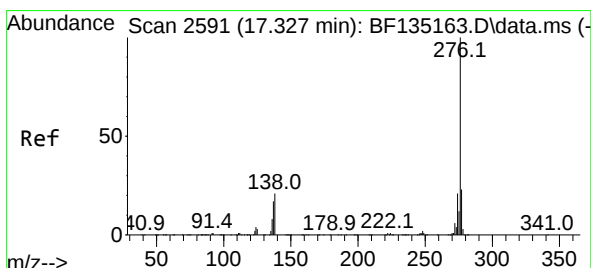
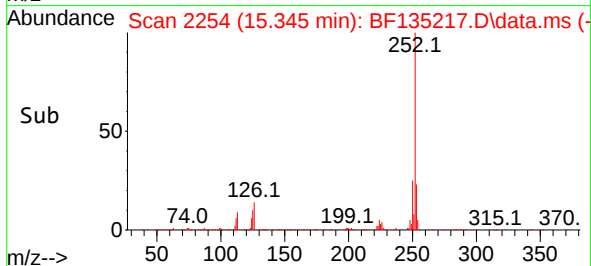
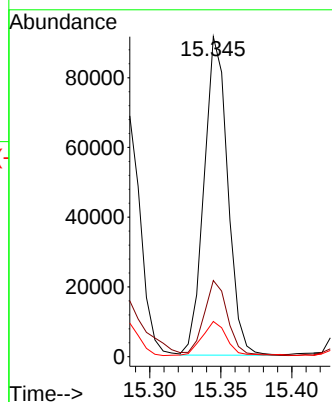
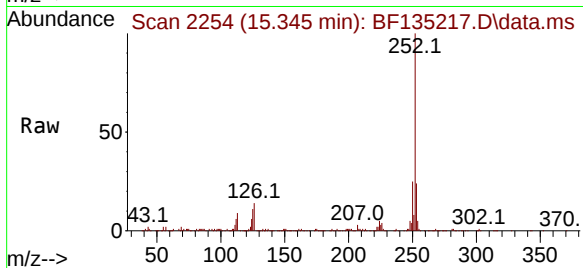
Tgt Ion:252 Resp: 106043

Ion Ratio Lower Upper

252 100

253 23.8 17.5 26.3

125 11.0 9.2 13.8



#92

Benzo(g,h,i)perylene

Concen: 4.380 ng

RT: 17.327 min Scan# 2591

Delta R.T. 0.000 min

Lab File: BF135217.D

Acq: 13 Sep 2023 10:50

Tgt Ion:276 Resp: 44933

Ion Ratio Lower Upper

276 100

277 23.6 18.8 28.2

138 27.7 16.9 25.3#

