

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF011024\  
 Data File : BF137030.D  
 Acq On : 10 Jan 2024 20:33  
 Operator : CG\JU  
 Sample : P1068-01  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CL-01-010824

Quant Time: Jan 11 00:03:20 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122023.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 21 01:54:25 2023  
 Response via : Initial Calibration

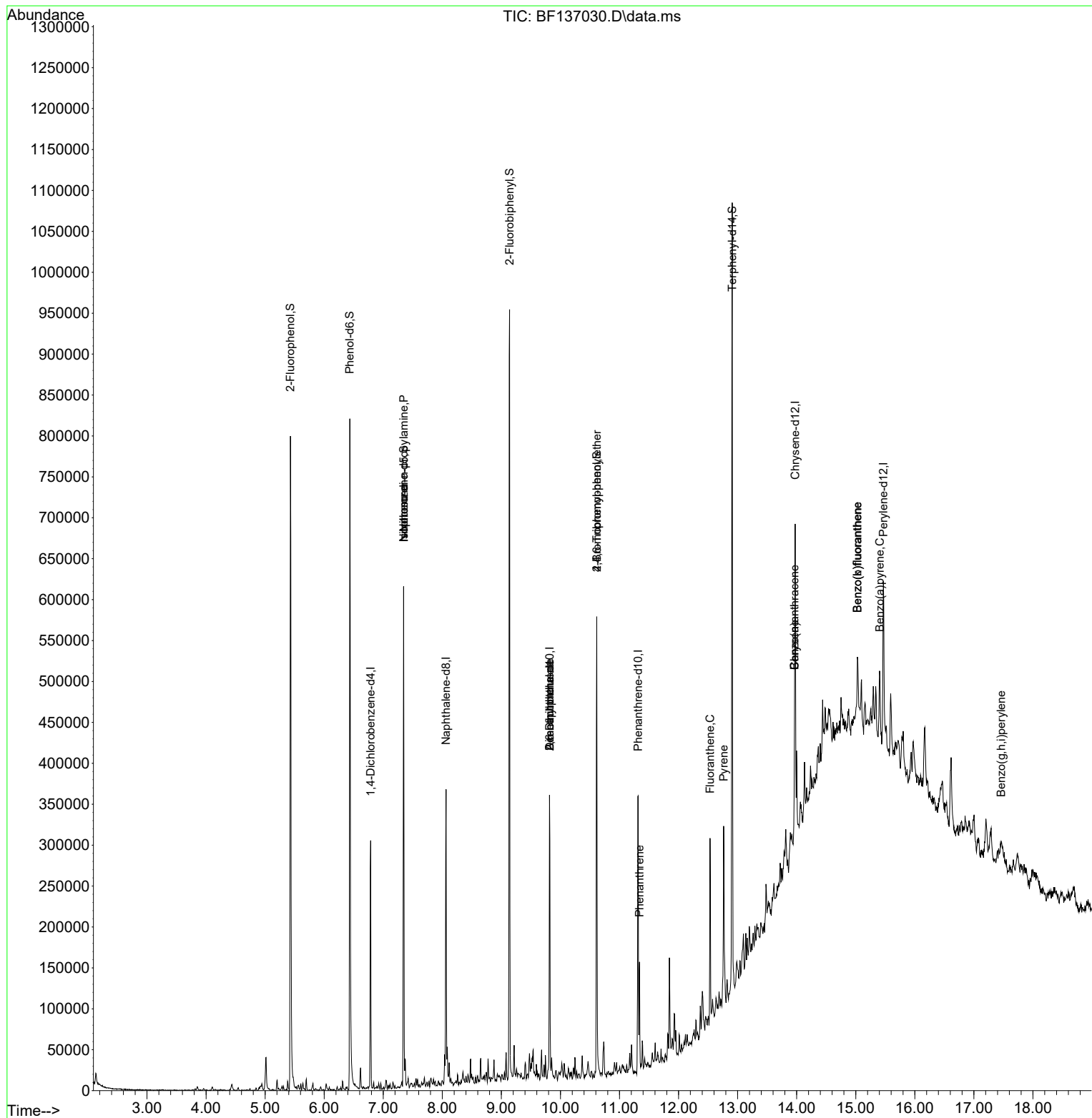
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.787  | 152  | 45871    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.063  | 136  | 153946   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.816  | 164  | 69665    | 20.000 | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.316 | 188  | 135424   | 20.000 | ng    | # 0.00   |
| 76) Chrysene-d12              | 13.974 | 240  | 113133   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.468 | 264  | 85767    | 20.000 | ng    | 0.02     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.428  | 112  | 236628   | 80.488 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.434  | 99   | 280636   | 73.669 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.345  | 82   | 168115   | 55.881 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.616 | 330  | 71221    | 86.806 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.139  | 172  | 304625   | 58.812 | ng    | -0.01    |
| 79) Terphenyl-d14             | 12.910 | 244  | 333453   | 41.190 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.345  | 70   | 22857    | 9.898  | ng    | # 75     |
| 25) Isophorone                | 7.345  | 82   | 168070   | 30.702 | ng    | # 65     |
| 50) Dimethylphthalate         | 9.816  | 163  | 12471    | 2.451  | ng    | # 1      |
| 51) 2,6-Dinitrotoluene        | 9.816  | 165  | 9598     | 8.311  | ng    | # 31     |
| 67) 4-Bromophenyl-phenylether | 10.616 | 248  | 3931     | 2.614  | ng    | # 1      |
| 71) Phenanthrene              | 11.339 | 178  | 48687    | 7.007  | ng    | 98       |
| 75) Fluoranthene              | 12.533 | 202  | 87693    | 11.798 | ng    | 98       |
| 78) Pyrene                    | 12.763 | 202  | 90861    | 8.181  | ng    | 97       |
| 81) Benzo(a)anthracene        | 13.963 | 228  | 45379    | 5.776  | ng    | # 93     |
| 83) Chrysene                  | 13.963 | 228  | 45379    | 5.907  | ng    | 96       |
| 88) Benzo(b)fluoranthene      | 15.027 | 252  | 55186    | 9.634  | ng    | # 80     |
| 89) Benzo(k)fluoranthene      | 15.027 | 252  | 55186    | 10.195 | ng    | # 80     |
| 90) Benzo(a)pyrene            | 15.410 | 252  | 30818    | 6.373  | ng    | # 83     |
| 92) Benzo(g,h,i)perylene      | 17.462 | 276  | 19444    | 3.737  | ng    | # 87     |
| -----                         |        |      |          |        |       |          |

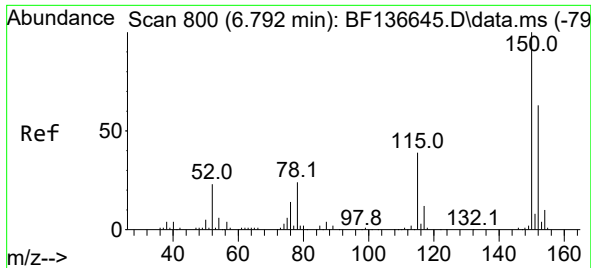
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF011024\  
Data File : BF137030.D  
Acq On : 10 Jan 2024 20:33  
Operator : CG\JU  
Sample : P1068-01  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CL-01-010824

Quant Time: Jan 11 00:03:20 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122023.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Dec 21 01:54:25 2023  
Response via : Initial Calibration

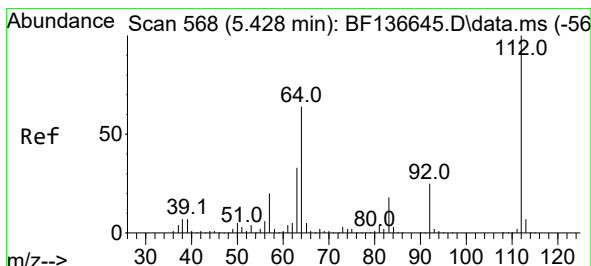
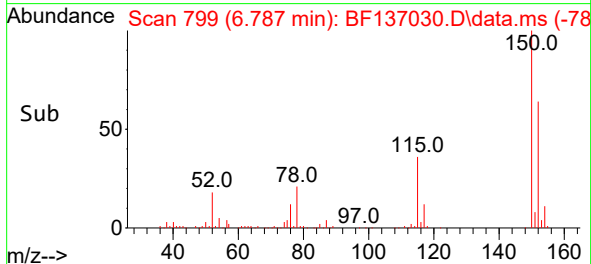
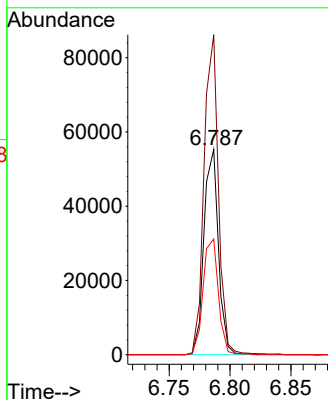
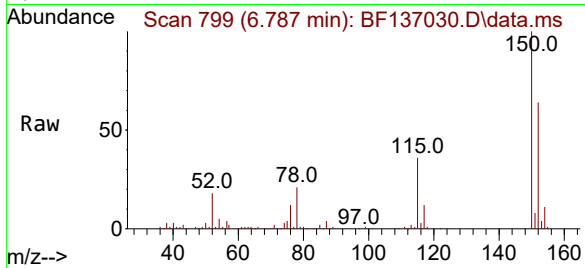




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.787 min Scan# 799  
 Delta R.T. -0.005 min  
 Lab File: BF137030.D  
 Acq: 10 Jan 2024 20:33

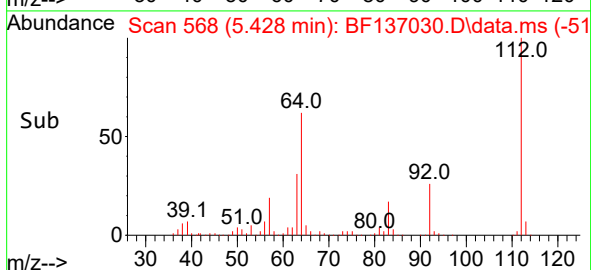
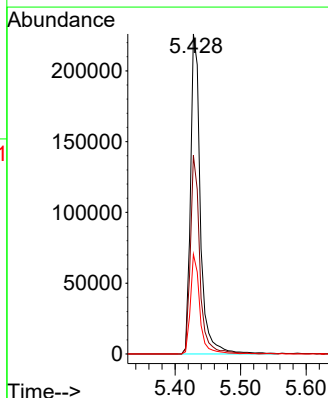
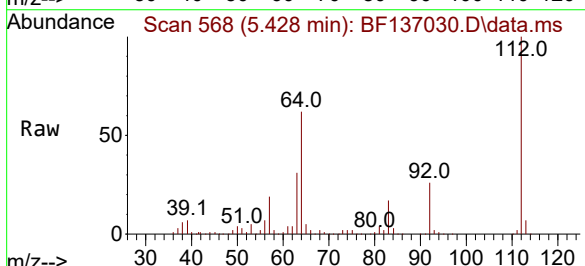
Instrument :  
 BNA\_F  
 ClientSampleId :  
 CL-01-010824

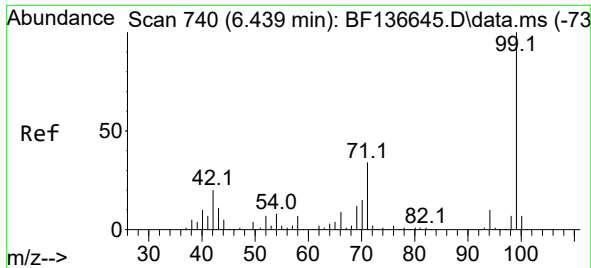
Tgt Ion:152 Resp: 45871  
 Ion Ratio Lower Upper  
 152 100  
 150 156.0 127.0 190.6  
 115 56.4 49.0 73.4



#5  
 2-Fluorophenol  
 Concen: 80.488 ng  
 RT: 5.428 min Scan# 568  
 Delta R.T. 0.000 min  
 Lab File: BF137030.D  
 Acq: 10 Jan 2024 20:33

Tgt Ion:112 Resp: 236628  
 Ion Ratio Lower Upper  
 112 100  
 64 62.1 51.1 76.7  
 63 31.2 26.1 39.1

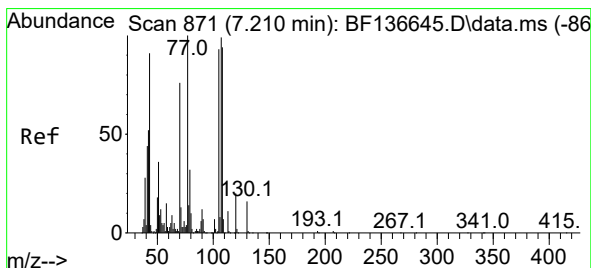
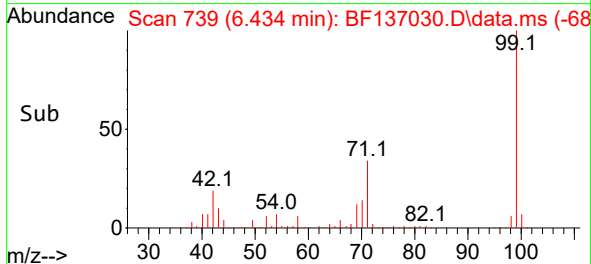
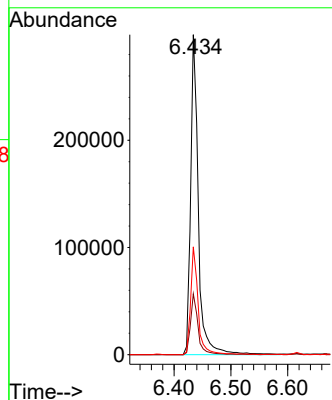
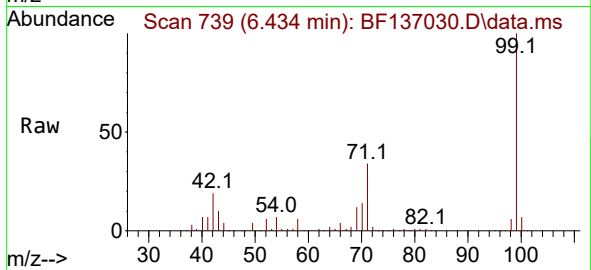




#7  
Phenol-d6  
Concen: 73.669 ng  
RT: 6.434 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF137030.D  
Acq: 10 Jan 2024 20:33

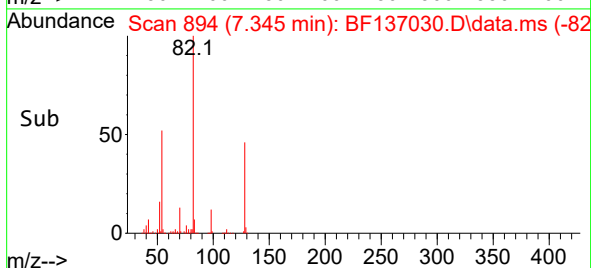
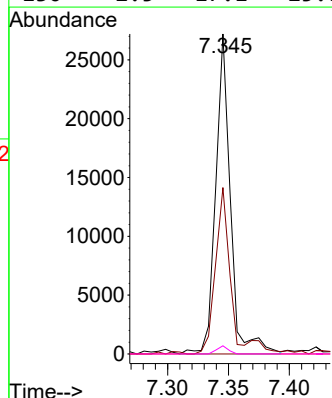
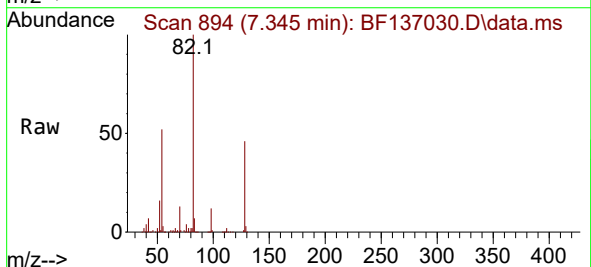
Instrument :  
BNA\_F  
ClientSampleId :  
CL-01-010824

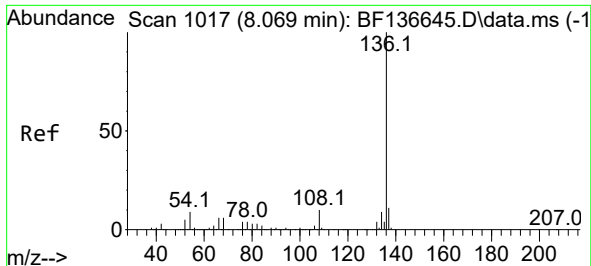
Tgt Ion: 99 Resp: 280636  
Ion Ratio Lower Upper  
99 100  
42 19.0 16.1 24.1  
71 33.7 27.4 41.2



#19  
n-Nitroso-di-n-propylamine  
Concen: 9.898 ng  
RT: 7.345 min Scan# 894  
Delta R.T. 0.135 min  
Lab File: BF137030.D  
Acq: 10 Jan 2024 20:33

Tgt Ion: 70 Resp: 22857  
Ion Ratio Lower Upper  
70 100  
42 52.0 54.2 81.4#  
101 0.0 7.6 11.4#  
130 2.5 17.1 25.7#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.063 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF137030.D

Acq: 10 Jan 2024 20:33

Instrument :

BNA\_F

ClientSampleId :

CL-01-010824

Tgt Ion:136 Resp: 153946

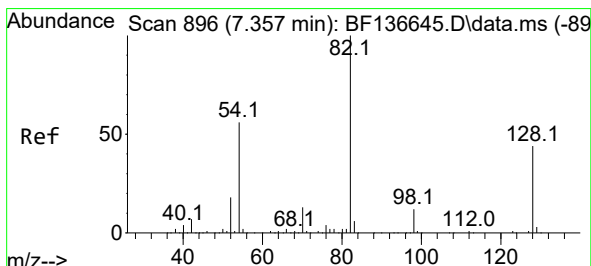
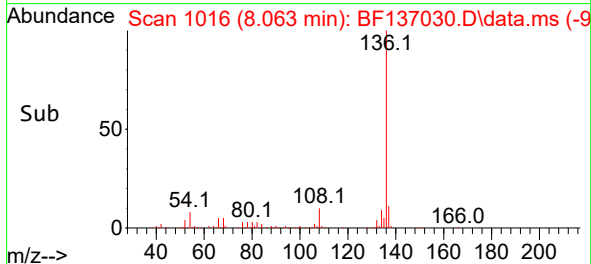
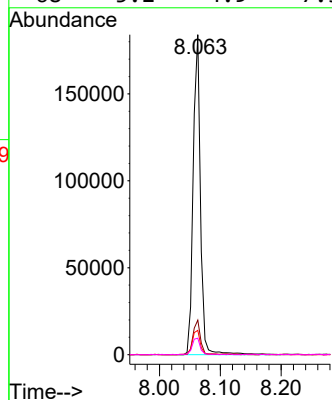
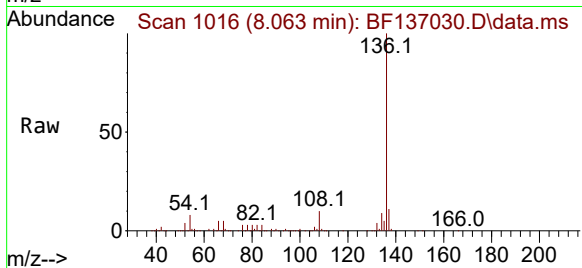
Ion Ratio Lower Upper

136 100

137 10.8 9.0 13.4

54 7.6 7.2 10.8

68 5.2 4.9 7.3



#23

Nitrobenzene-d5

Concen: 55.881 ng

RT: 7.345 min Scan# 894

Delta R.T. -0.012 min

Lab File: BF137030.D

Acq: 10 Jan 2024 20:33

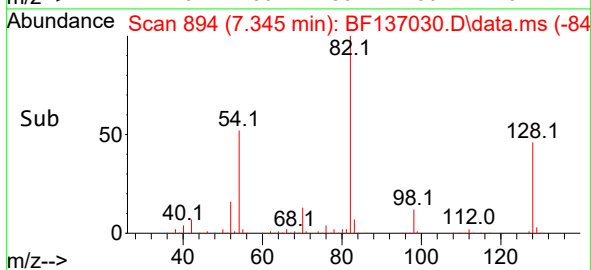
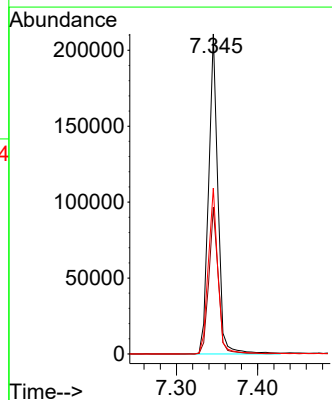
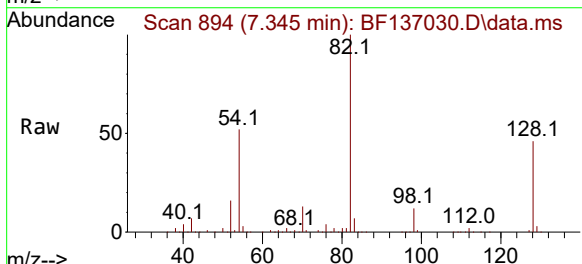
Tgt Ion: 82 Resp: 168115

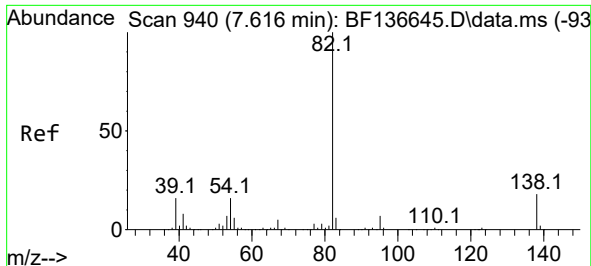
Ion Ratio Lower Upper

82 100

128 45.8 35.3 52.9

54 51.9 44.5 66.7

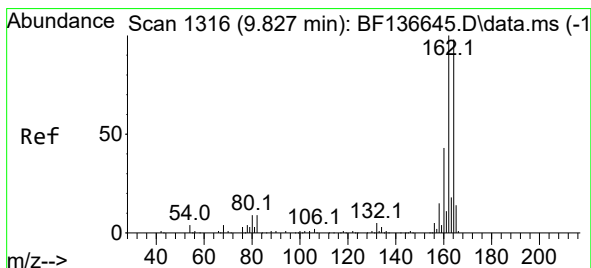
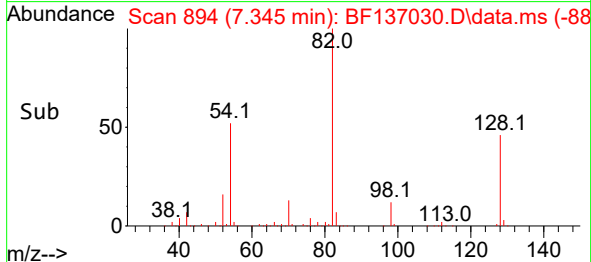
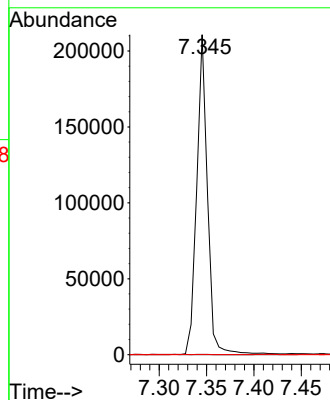
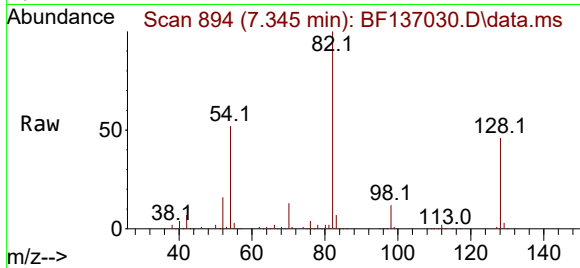




#25  
Isophorone  
Concen: 30.702 ng  
RT: 7.345 min Scan# 894  
Delta R.T. -0.270 min  
Lab File: BF137030.D  
Acq: 10 Jan 2024 20:33

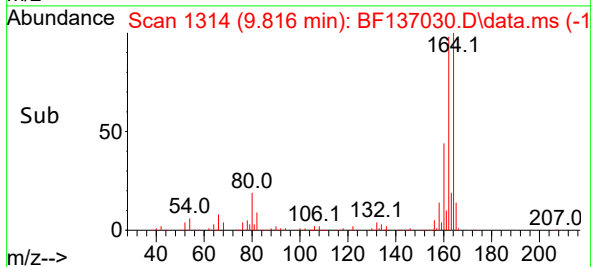
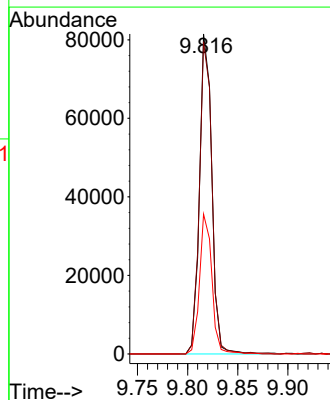
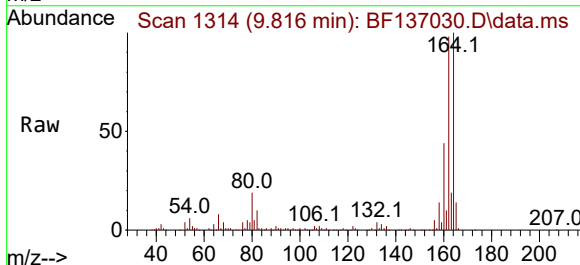
Instrument :  
BNA\_F  
ClientSampleId :  
CL-01-010824

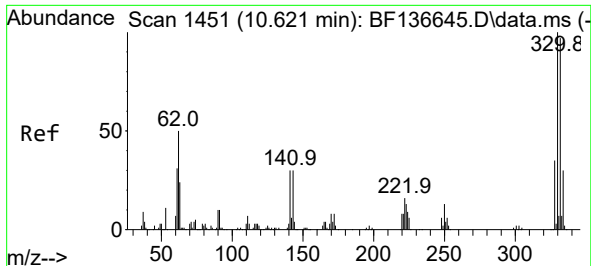
Tgt Ion: 82 Resp: 168070  
Ion Ratio Lower Upper  
82 100  
95 0.1 5.5 8.3#  
138 0.0 14.5 21.7#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.816 min Scan# 1314  
Delta R.T. -0.012 min  
Lab File: BF137030.D  
Acq: 10 Jan 2024 20:33

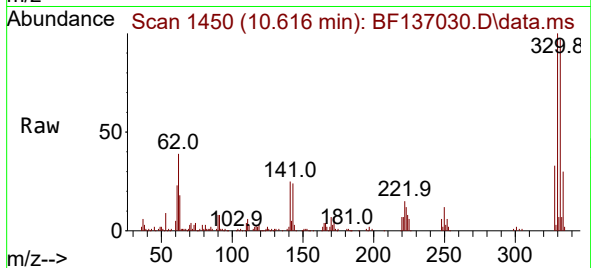
Tgt Ion:164 Resp: 69665  
Ion Ratio Lower Upper  
164 100  
162 97.6 81.6 122.4  
160 43.7 34.9 52.3



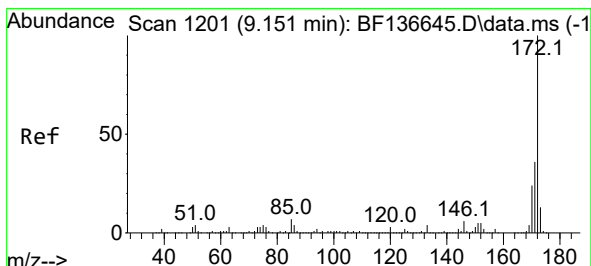
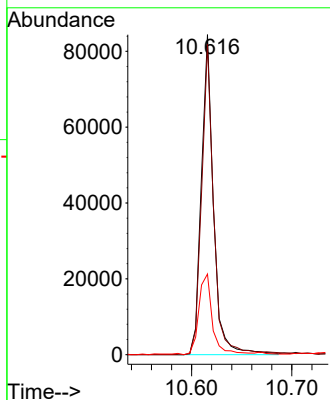
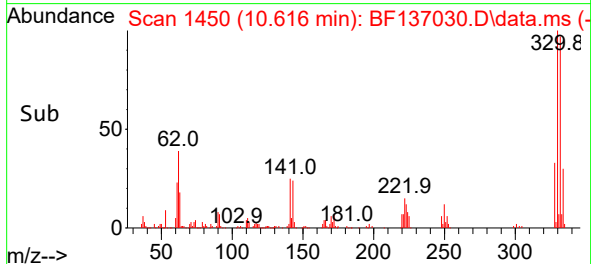


#42  
2,4,6-Tribromophenol  
Concen: 86.806 ng  
RT: 10.616 min Scan# 1450  
Delta R.T. -0.006 min  
Lab File: BF137030.D  
Acq: 10 Jan 2024 20:33

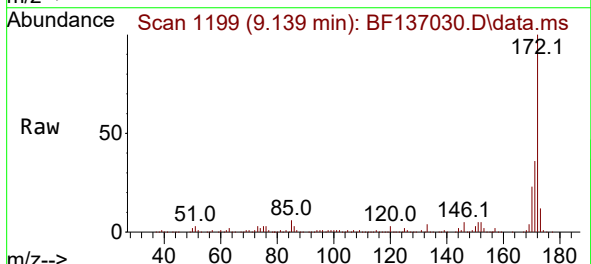
Instrument :  
BNA\_F  
ClientSampleId :  
CL-01-010824



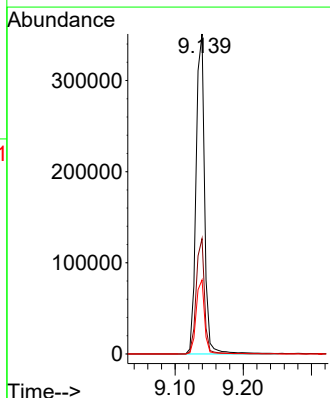
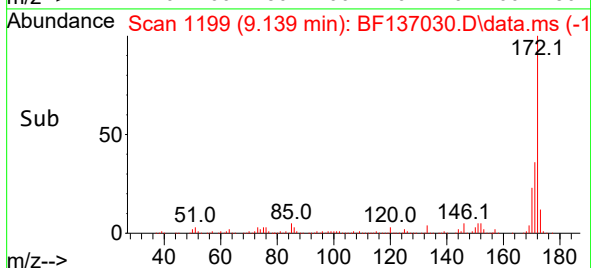
Tgt Ion:330 Resp: 71221  
Ion Ratio Lower Upper  
330 100  
332 97.7 77.4 116.0  
141 28.9 23.4 35.2

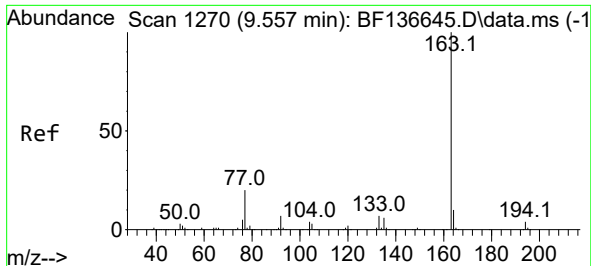


#45  
2-Fluorobiphenyl  
Concen: 58.812 ng  
RT: 9.139 min Scan# 1199  
Delta R.T. -0.012 min  
Lab File: BF137030.D  
Acq: 10 Jan 2024 20:33



Tgt Ion:172 Resp: 304625  
Ion Ratio Lower Upper  
172 100  
171 36.0 29.0 43.6  
170 23.2 19.0 28.4

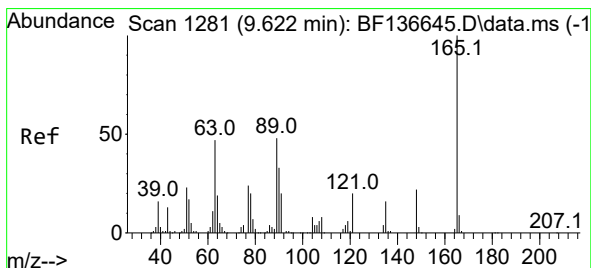
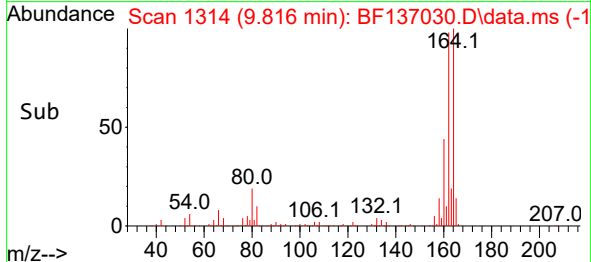
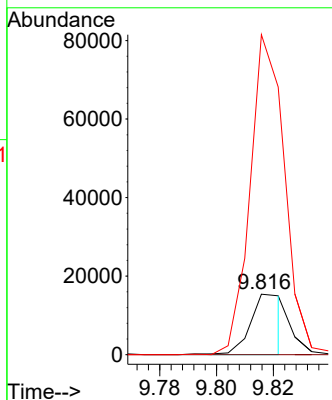
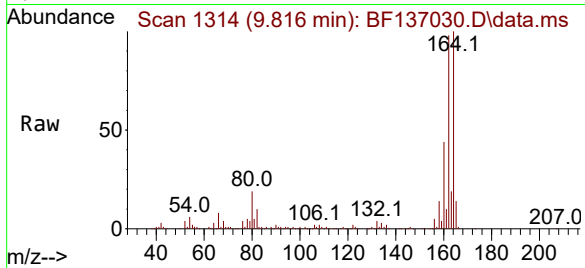




#50  
Dimethylphthalate  
Concen: 2.451 ng  
RT: 9.816 min Scan# 1314  
Delta R.T. 0.259 min  
Lab File: BF137030.D  
Acq: 10 Jan 2024 20:33

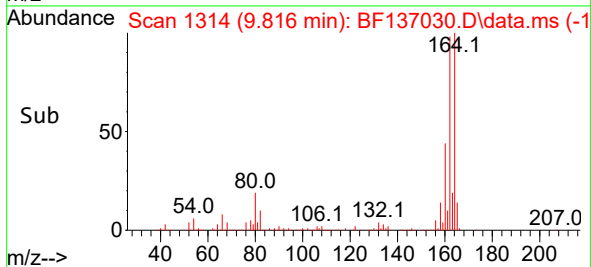
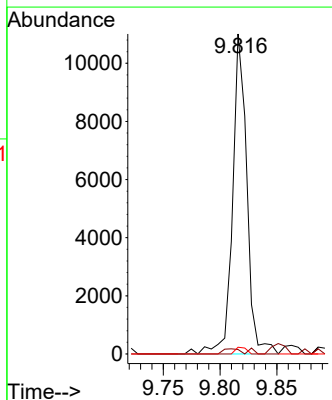
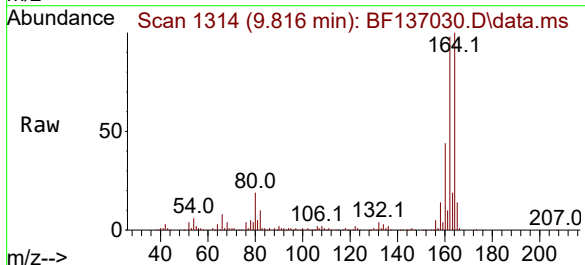
Instrument :  
BNA\_F  
ClientSampleId :  
CL-01-010824

Tgt Ion:163 Resp: 12471  
Ion Ratio Lower Upper  
163 100  
194 0.0 3.3 4.9#  
164 529.6 7.8 11.6#

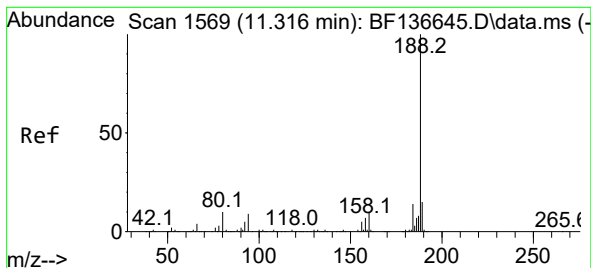


#51  
2,6-Dinitrotoluene  
Concen: 8.311 ng  
RT: 9.816 min Scan# 1314  
Delta R.T. 0.194 min  
Lab File: BF137030.D  
Acq: 10 Jan 2024 20:33

Tgt Ion:165 Resp: 9598  
Ion Ratio Lower Upper  
165 100  
63 1.4 39.8 59.6#  
89 2.1 38.8 58.2#







#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.316 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF137030.D

Acq: 10 Jan 2024 20:33

Instrument :

BNA\_F

ClientSampleId :

CL-01-010824

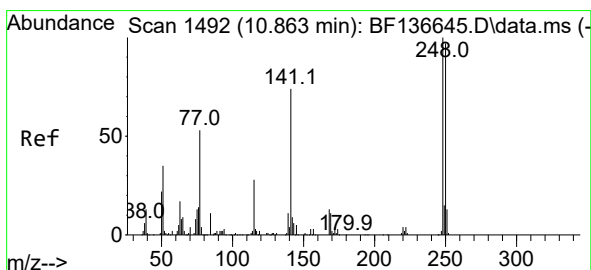
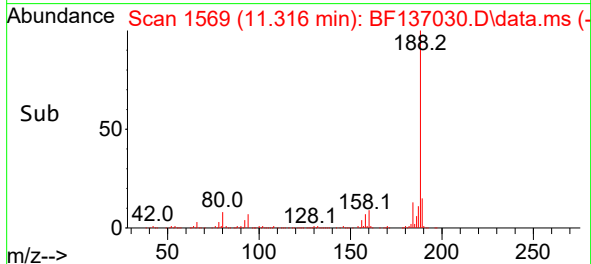
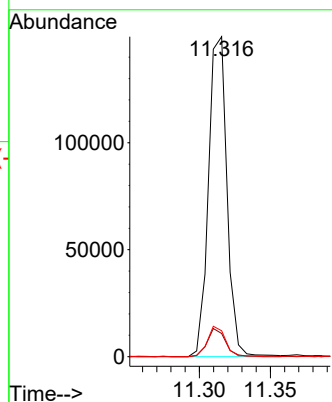
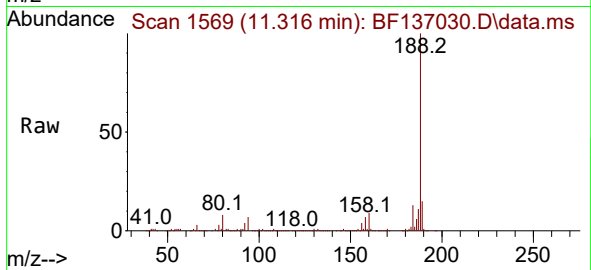
Tgt Ion:188 Resp: 135424

Ion Ratio Lower Upper

188 100

94 7.2 7.5 11.3#

80 8.1 8.1 12.1



#67

4-Bromophenyl-phenylether

Concen: 2.614 ng

RT: 10.616 min Scan# 1450

Delta R.T. -0.247 min

Lab File: BF137030.D

Acq: 10 Jan 2024 20:33

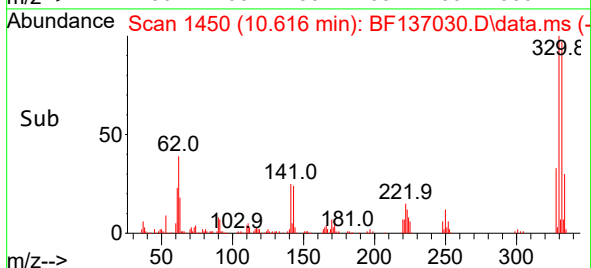
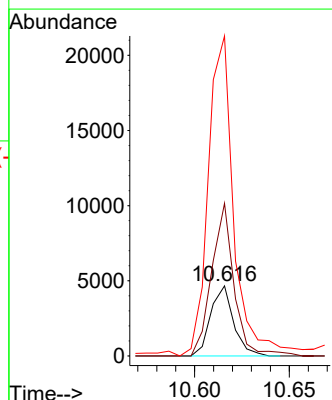
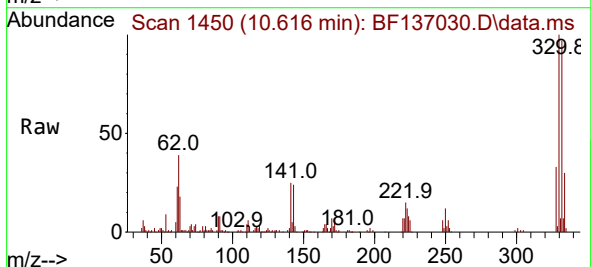
Tgt Ion:248 Resp: 3931

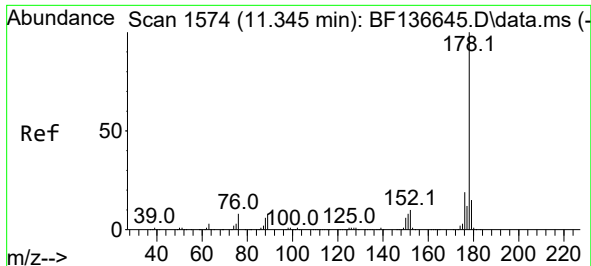
Ion Ratio Lower Upper

248 100

250 218.0 77.8 116.6#

141 457.1 59.2 88.8#

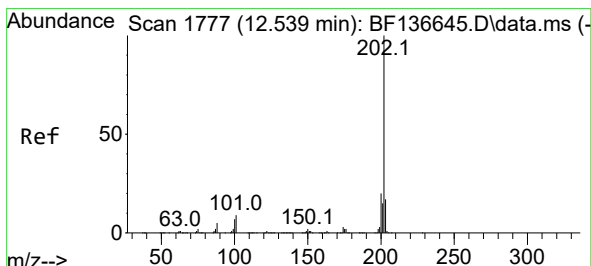
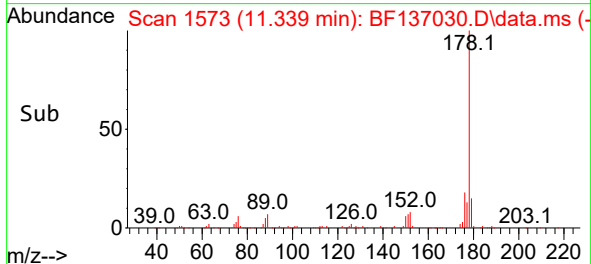
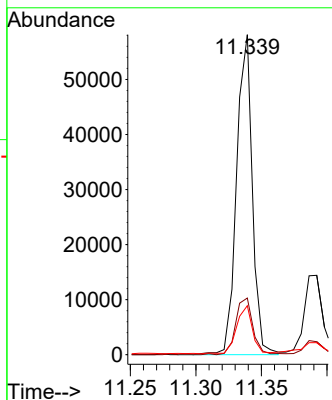
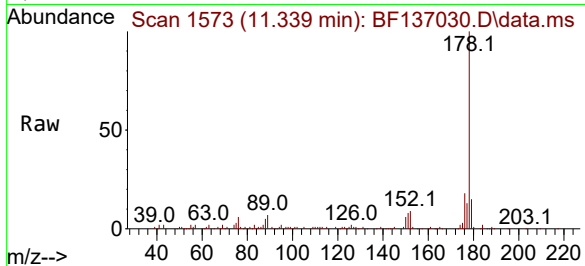




#71  
Phenanthrene  
Concen: 7.007 ng  
RT: 11.339 min Scan# 1177  
Delta R.T. -0.006 min  
Lab File: BF137030.D  
Acq: 10 Jan 2024 20:33

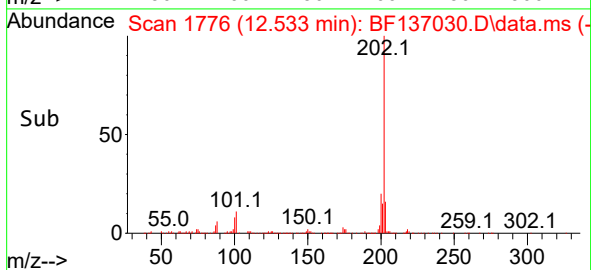
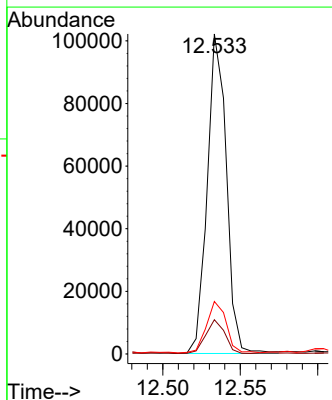
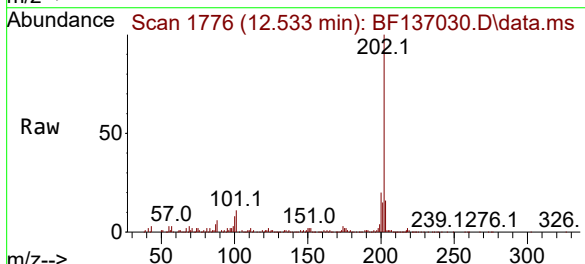
Instrument :  
BNA\_F  
ClientSampleId :  
CL-01-010824

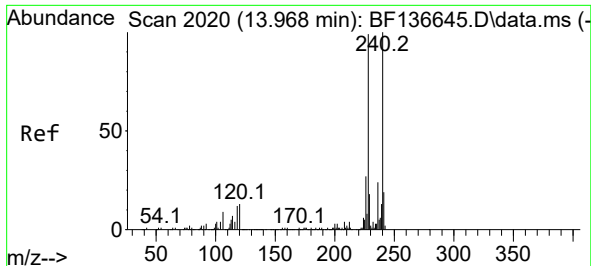
Tgt Ion:178 Resp: 48687  
Ion Ratio Lower Upper  
178 100  
176 17.7 15.3 22.9  
179 15.3 11.9 17.9



#75  
Fluoranthene  
Concen: 11.798 ng  
RT: 12.533 min Scan# 1776  
Delta R.T. -0.006 min  
Lab File: BF137030.D  
Acq: 10 Jan 2024 20:33

Tgt Ion:202 Resp: 87693  
Ion Ratio Lower Upper  
202 100  
101 10.7 0.0 29.3  
203 16.4 0.0 37.1

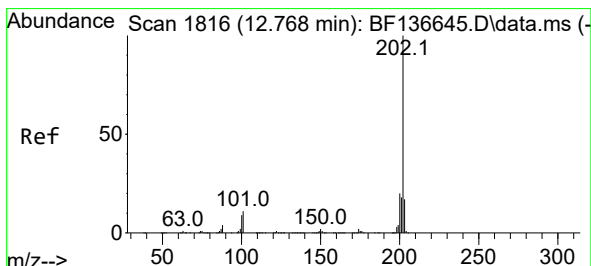
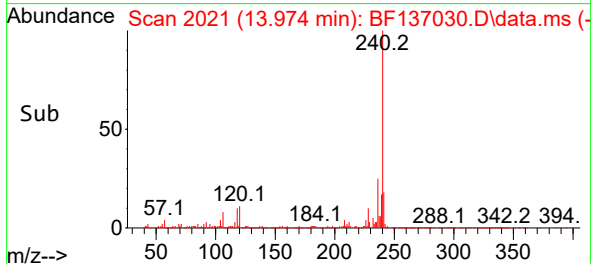
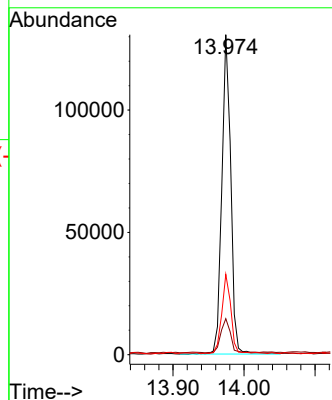
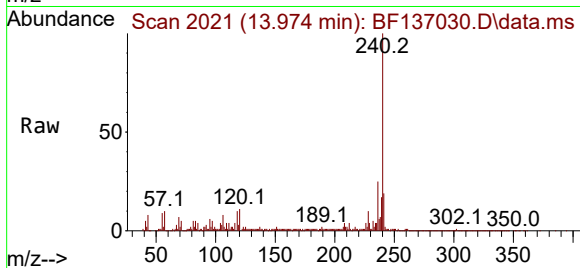




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.974 min Scan# 20  
Delta R.T. 0.006 min  
Lab File: BF137030.D  
Acq: 10 Jan 2024 20:33

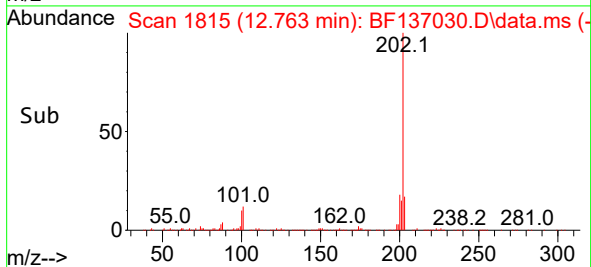
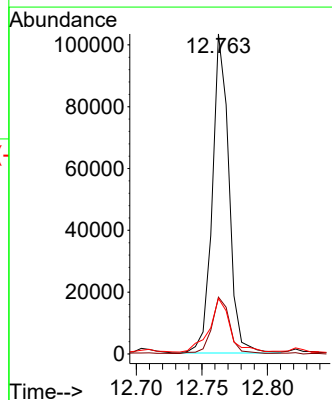
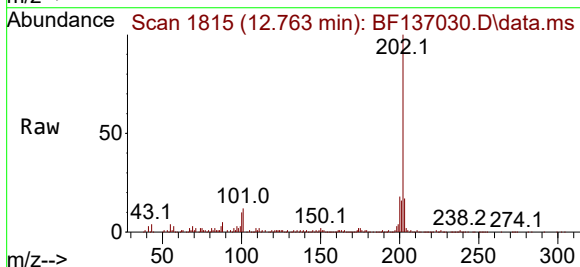
Instrument :  
BNA\_F  
ClientSampleId :  
CL-01-010824

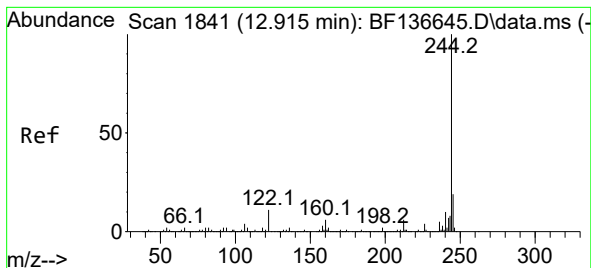
Tgt Ion:240 Resp: 113133  
Ion Ratio Lower Upper  
240 100  
120 11.3 10.3 15.5  
236 25.1 19.4 29.2



#78  
Pyrene  
Concen: 8.181 ng  
RT: 12.763 min Scan# 1815  
Delta R.T. -0.006 min  
Lab File: BF137030.D  
Acq: 10 Jan 2024 20:33

Tgt Ion:202 Resp: 90861  
Ion Ratio Lower Upper  
202 100  
200 17.8 15.9 23.9  
203 17.4 13.8 20.6





#79

Terphenyl-d14

Concen: 41.190 ng

RT: 12.910 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF137030.D

Acq: 10 Jan 2024 20:33

Instrument :

BNA\_F

ClientSampleId :

CL-01-010824

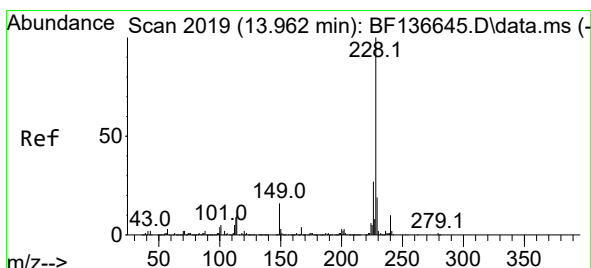
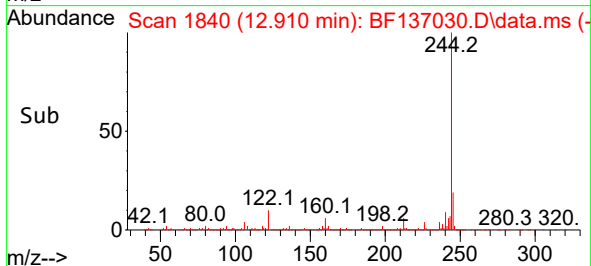
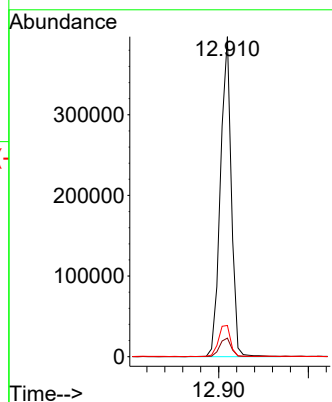
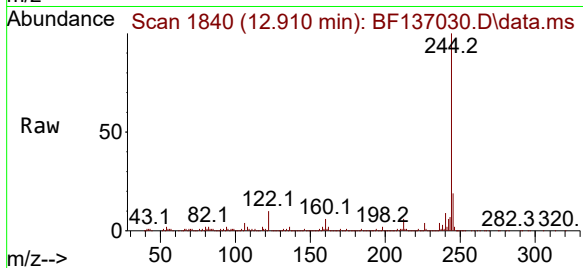
Tgt Ion:244 Resp: 333453

Ion Ratio Lower Upper

244 100

212 5.8 5.0 7.4

122 9.8 9.0 13.4



#81

Benzo(a)anthracene

Concen: 5.776 ng

RT: 13.963 min Scan# 2019

Delta R.T. 0.000 min

Lab File: BF137030.D

Acq: 10 Jan 2024 20:33

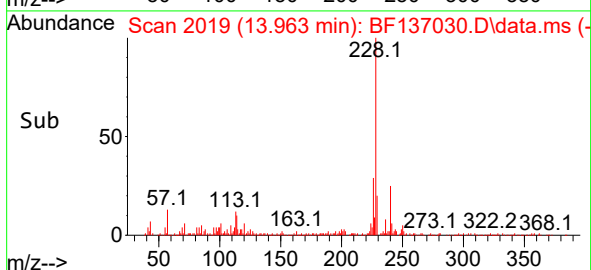
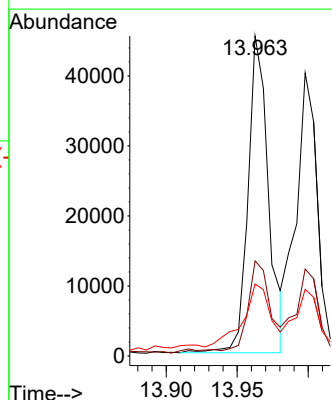
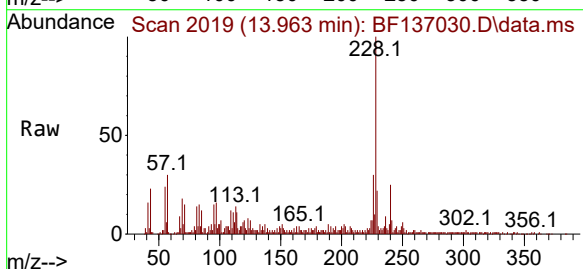
Tgt Ion:228 Resp: 45379

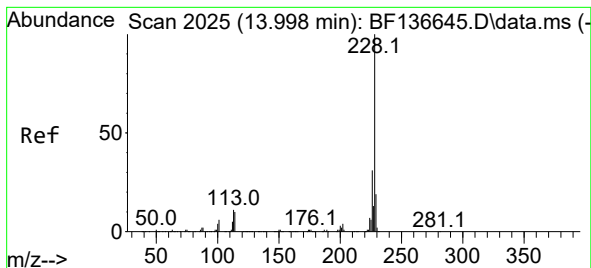
Ion Ratio Lower Upper

228 100

226 29.7 21.4 32.0

229 22.5 14.9 22.3#





#83

Chrysene

Concen: 5.907 ng

RT: 13.963 min Scan# 20

Delta R.T. -0.035 min

Lab File: BF137030.D

Acq: 10 Jan 2024 20:33

Instrument :

BNA\_F

ClientSampleId :

CL-01-010824

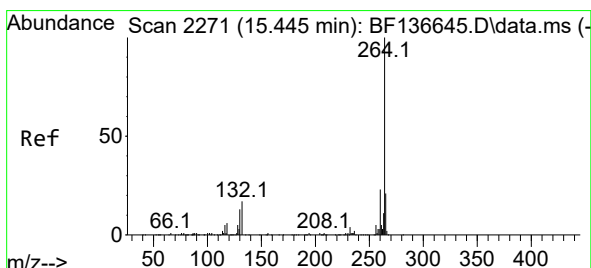
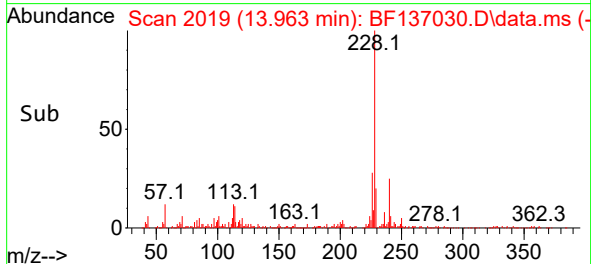
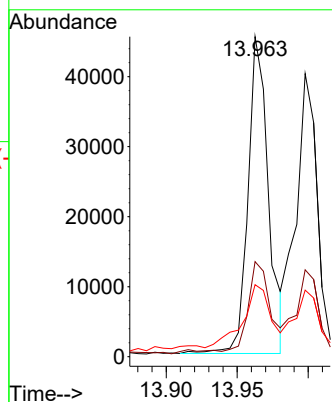
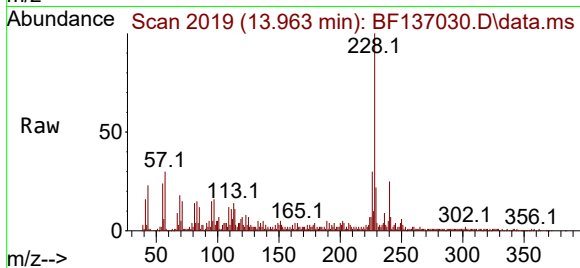
Tgt Ion:228 Resp: 45379

Ion Ratio Lower Upper

228 100

226 29.7 24.7 37.1

229 22.5 15.4 23.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.468 min Scan# 2275

Delta R.T. 0.024 min

Lab File: BF137030.D

Acq: 10 Jan 2024 20:33

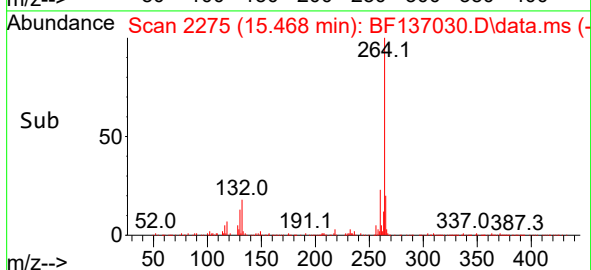
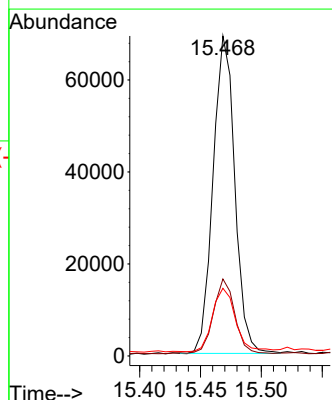
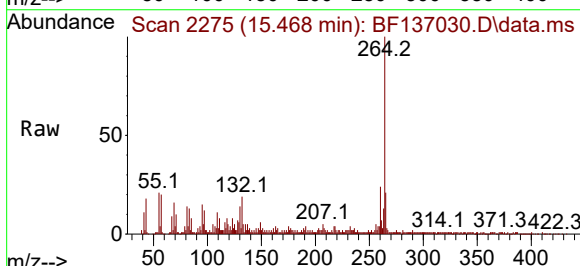
Tgt Ion:264 Resp: 85767

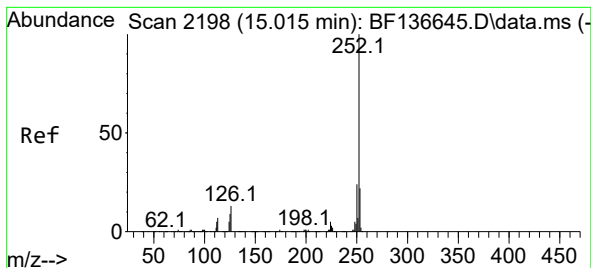
Ion Ratio Lower Upper

264 100

260 24.1 18.3 27.5

265 21.2 17.0 25.6





#88

Benzo(b)fluoranthene

Concen: 9.634 ng

RT: 15.027 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF137030.D

Acq: 10 Jan 2024 20:33

Instrument :

BNA\_F

ClientSampleId :

CL-01-010824

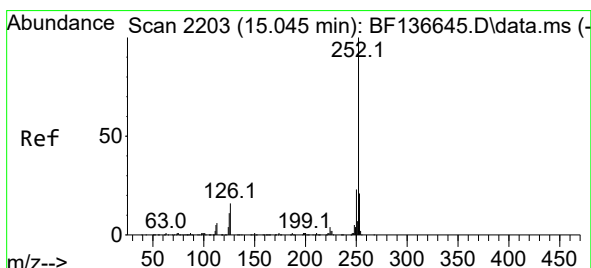
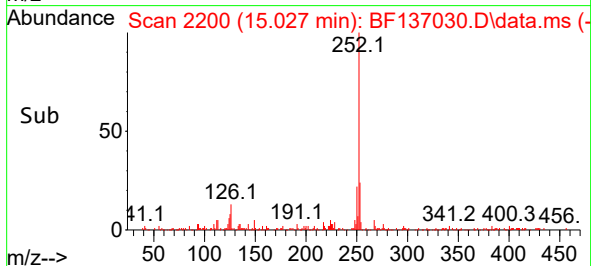
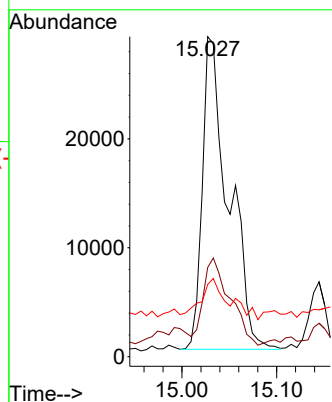
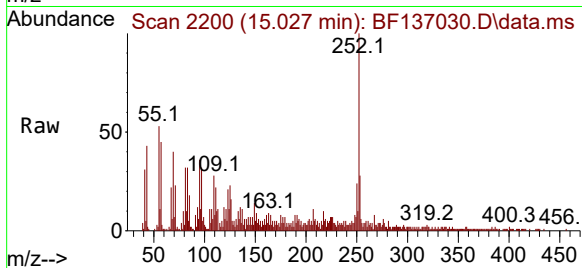
Tgt Ion:252 Resp: 55186

Ion Ratio Lower Upper

252 100

253 27.9 17.4 26.0#

125 22.5 7.4 11.2#



#89

Benzo(k)fluoranthene

Concen: 10.195 ng

RT: 15.027 min Scan# 2200

Delta R.T. -0.018 min

Lab File: BF137030.D

Acq: 10 Jan 2024 20:33

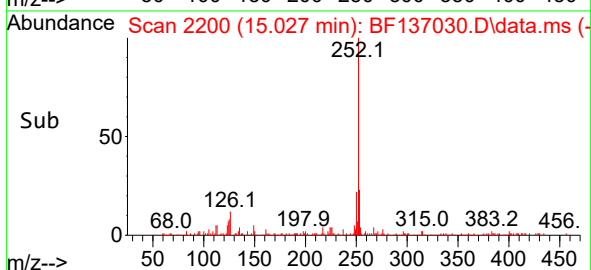
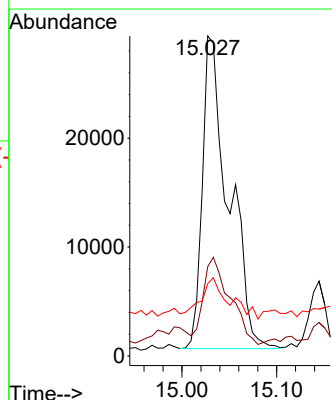
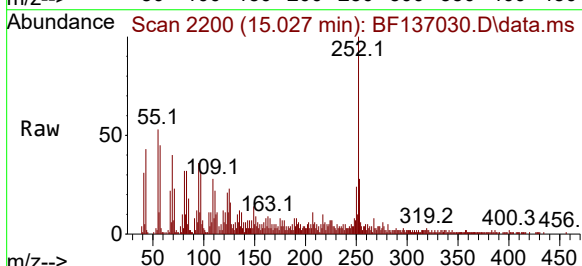
Tgt Ion:252 Resp: 55186

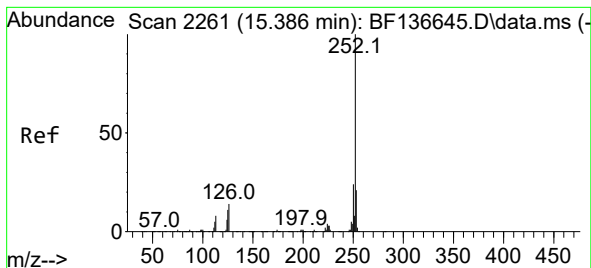
Ion Ratio Lower Upper

252 100

253 27.9 17.0 25.6#

125 22.5 8.2 12.4#





#90

Benzo(a)pyrene

Concen: 6.373 ng

RT: 15.410 min Scan# 21

Delta R.T. 0.024 min

Lab File: BF137030.D

Acq: 10 Jan 2024 20:33

Instrument :

BNA\_F

ClientSampleId :

CL-01-010824

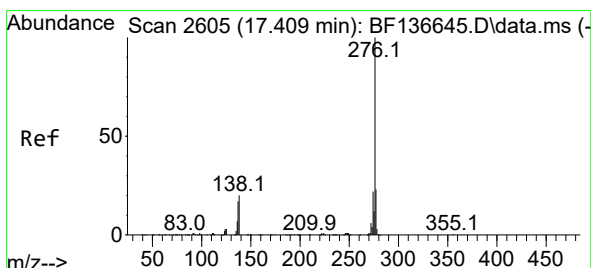
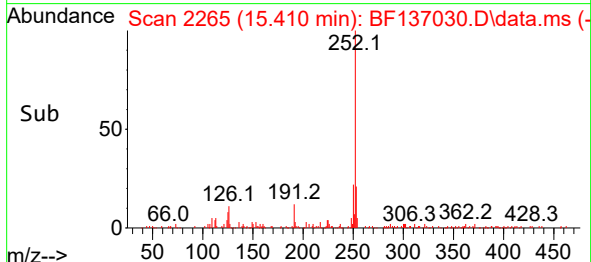
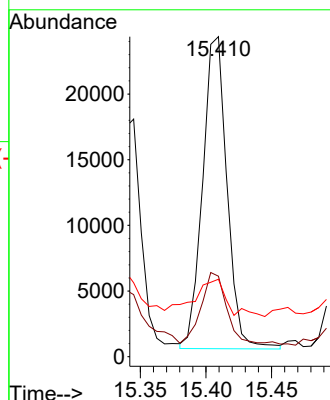
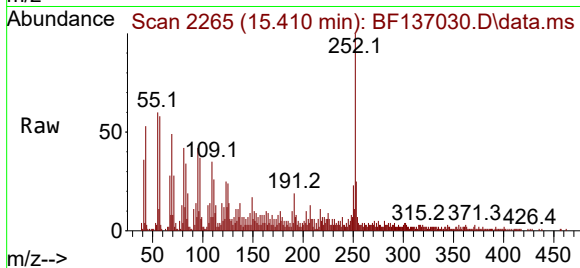
Tgt Ion:252 Resp: 30818

Ion Ratio Lower Upper

252 100

253 25.1 17.0 25.6

125 24.2 8.8 13.2#



#92

Benzo(g,h,i)perylene

Concen: 3.737 ng

RT: 17.462 min Scan# 2614

Delta R.T. 0.053 min

Lab File: BF137030.D

Acq: 10 Jan 2024 20:33

Tgt Ion:276 Resp: 19444

Ion Ratio Lower Upper

276 100

277 28.3 18.3 27.5#

138 26.7 15.6 23.4#

