

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF122223\  
 Data File : BF136702.D  
 Acq On : 23 Dec 2023 00:02  
 Operator : CG\JU  
 Sample : 05796-02  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Dec 23 01:58:15 2023  
 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

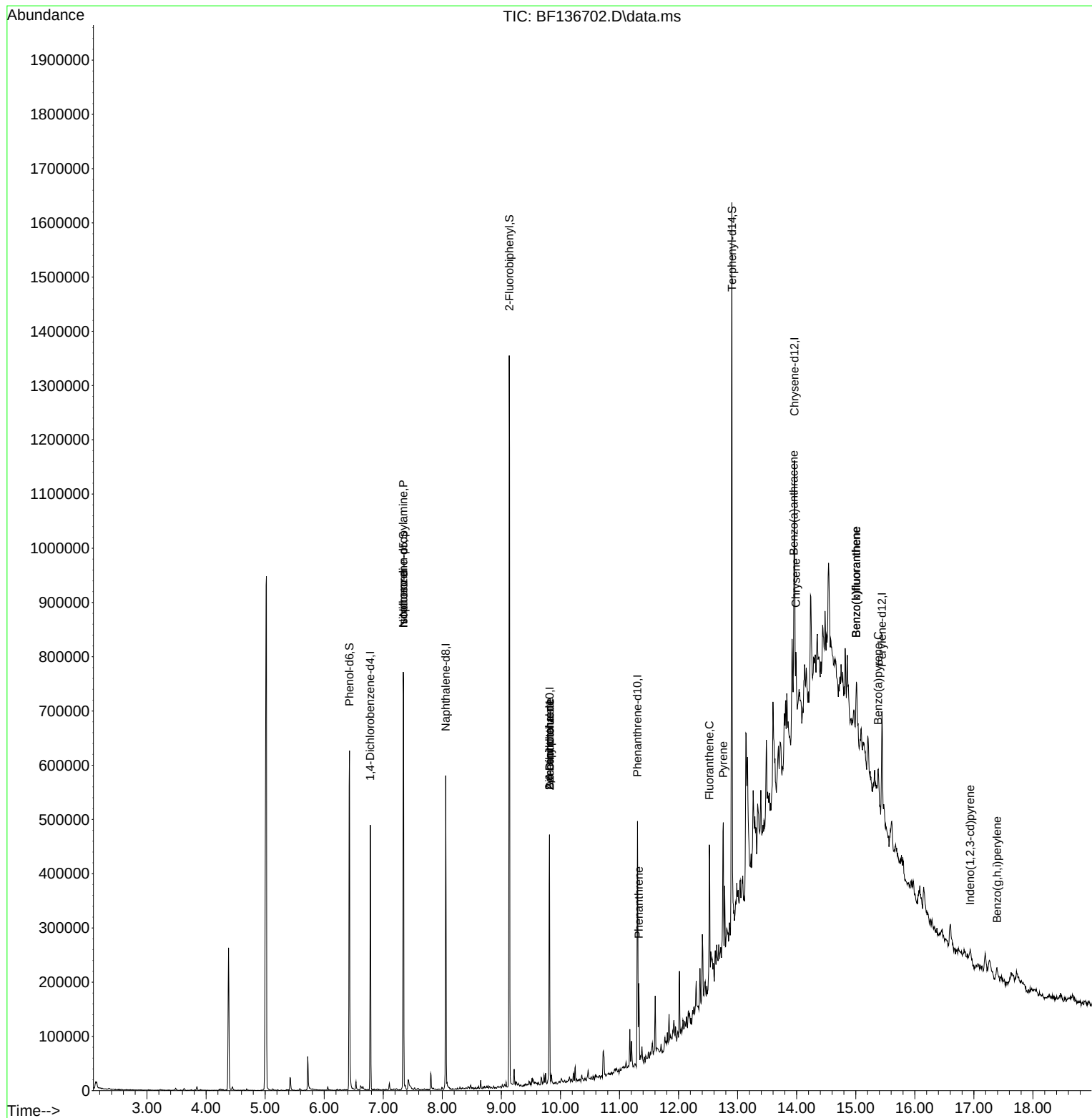
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.781  | 152  | 65953    | 20.000 | ng    | -0.01    |
| 21) Naphthalene-d8            | 8.057  | 136  | 217896   | 20.000 | ng    | -0.01    |
| 39) Acenaphthene-d10          | 9.816  | 164  | 86260    | 20.000 | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.304 | 188  | 155855   | 20.000 | ng    | -0.01    |
| 76) Chrysene-d12              | 13.962 | 240  | 137093   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.445 | 264  | 92947    | 20.000 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.428  | 112  | 7682     | 1.817  | ng    | 0.00     |
| 7) Phenol-d6                  | 6.428  | 99   | 202244   | 36.925 | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.339  | 82   | 241846   | 56.796 | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol      | 10.610 | 330  | 118      | 0.116  | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.133  | 172  | 413882   | 64.533 | ng    | -0.02    |
| 79) Terphenyl-d14             | 12.904 | 244  | 442084   | 45.064 | ng    | -0.01    |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.339  | 70   | 31819    | 9.583  | ng    | # 74     |
| 25) Isophorone                | 7.339  | 82   | 240807   | 31.079 | ng    | # 65     |
| 50) Dimethylphthalate         | 9.816  | 163  | 17365    | 2.756  | ng    | # 1      |
| 51) 2,6-Dinitrotoluene        | 9.816  | 165  | 11465    | 8.018  | ng    | # 29     |
| 57) 2,4-Dinitrotoluene        | 9.816  | 165  | 11465    | 6.176  | ng    | # 20     |
| 71) Phenanthrene              | 11.327 | 178  | 50381    | 6.300  | ng    | 99       |
| 75) Fluoranthene              | 12.521 | 202  | 104889   | 12.262 | ng    | 97       |
| 78) Pyrene                    | 12.757 | 202  | 93473    | 6.946  | ng    | 99       |
| 81) Benzo(a)anthracene        | 13.951 | 228  | 50990    | 5.356  | ng    | 94       |
| 83) Chrysene                  | 13.986 | 228  | 45696    | 4.909  | ng    | 95       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.939 | 276  | 17474    | 2.604  | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 15.009 | 252  | 56440    | 9.091  | ng    | # 77     |
| 89) Benzo(k)fluoranthene      | 15.009 | 252  | 56440    | 9.622  | ng    | # 76     |
| 90) Benzo(a)pyrene            | 15.380 | 252  | 24940    | 4.759  | ng    | # 69     |
| 92) Benzo(g,h,i)perylene      | 17.392 | 276  | 16605    | 2.945  | ng    | 96       |
| -----                         |        |      |          |        |       |          |

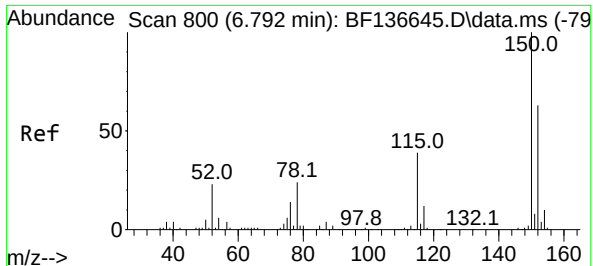
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF122223\  
Data File : BF136702.D  
Acq On : 23 Dec 2023 00:02  
Operator : CG\JU  
Sample : 05796-02  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :

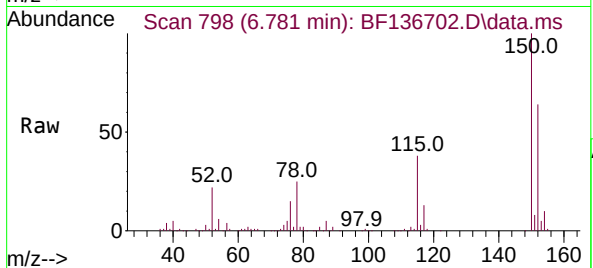
Quant Time: Dec 23 01:58:15 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122023.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Dec 21 01:54:25 2023  
Response via : Initial Calibration



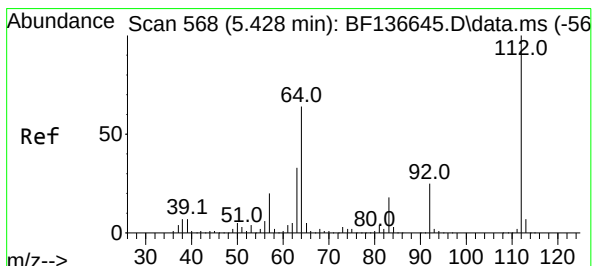
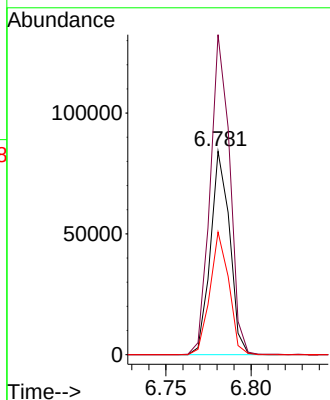
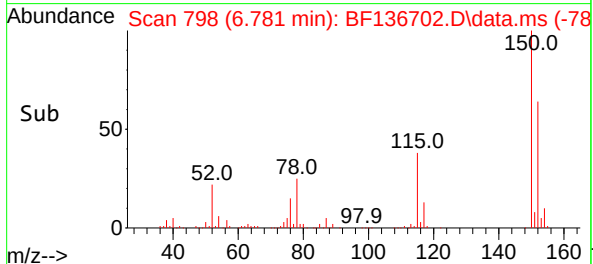


#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.781 min Scan# 79  
 Delta R.T. -0.011 min  
 Lab File: BF136702.D  
 Acq: 23 Dec 2023 00:02

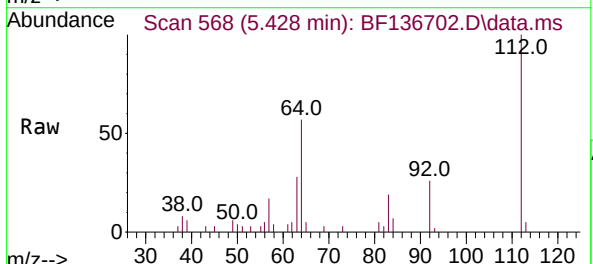
Instrument :  
 BNA\_F  
 ClientSampleId :



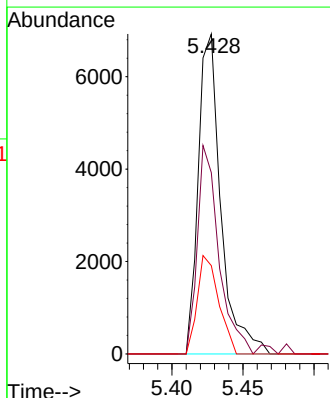
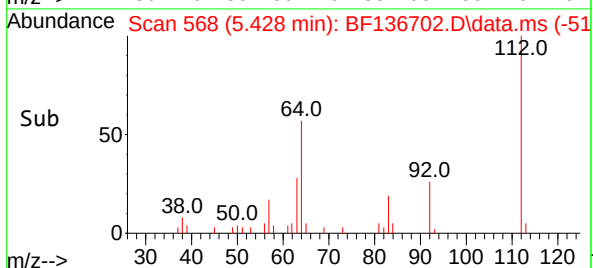
Tgt Ion:152 Resp: 65953  
 Ion Ratio Lower Upper  
 152 100  
 150 157.3 127.0 190.6  
 115 60.3 49.0 73.4

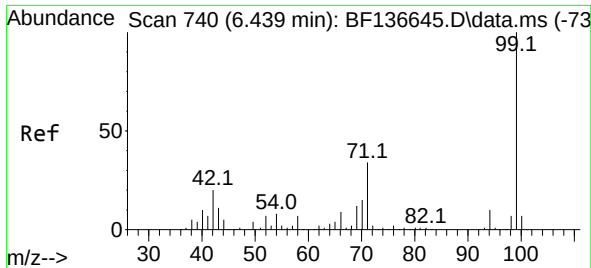


#5  
 2-Fluorophenol  
 Concen: 1.817 ng  
 RT: 5.428 min Scan# 568  
 Delta R.T. 0.000 min  
 Lab File: BF136702.D  
 Acq: 23 Dec 2023 00:02



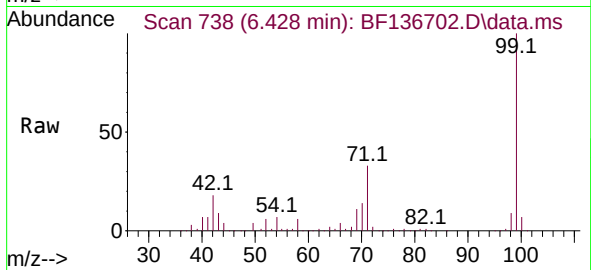
Tgt Ion:112 Resp: 7682  
 Ion Ratio Lower Upper  
 112 100  
 64 56.7 51.1 76.7  
 63 27.6 26.1 39.1



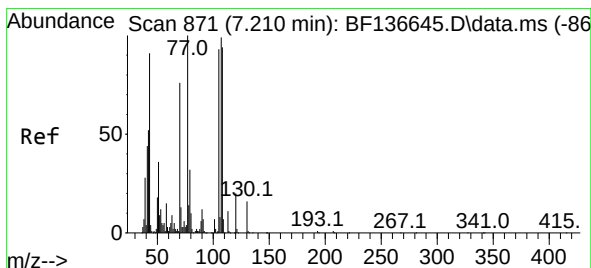
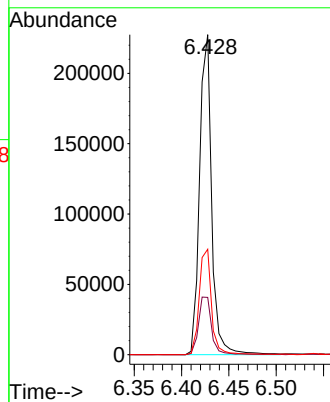
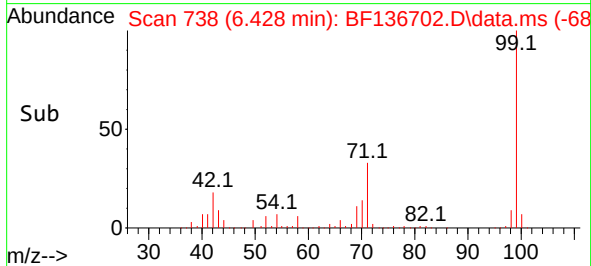


#7  
Phenol-d6  
Concen: 36.925 ng  
RT: 6.428 min Scan# 71  
Delta R.T. -0.012 min  
Lab File: BF136702.D  
Acq: 23 Dec 2023 00:02

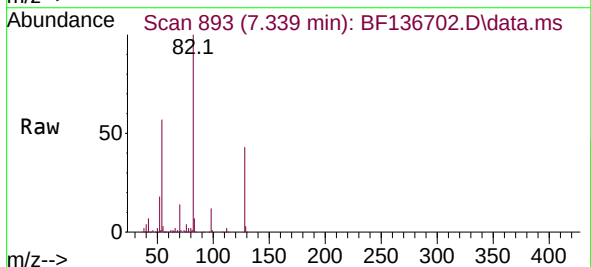
Instrument :  
BNA\_F  
ClientSampleId :



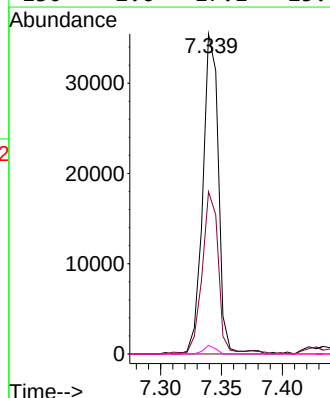
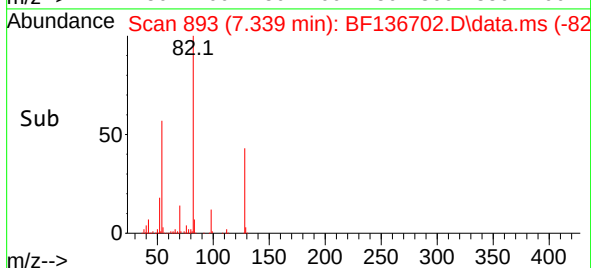
Tgt Ion: 99 Resp: 202244  
Ion Ratio Lower Upper  
99 100  
42 17.9 16.1 24.1  
71 33.0 27.4 41.2

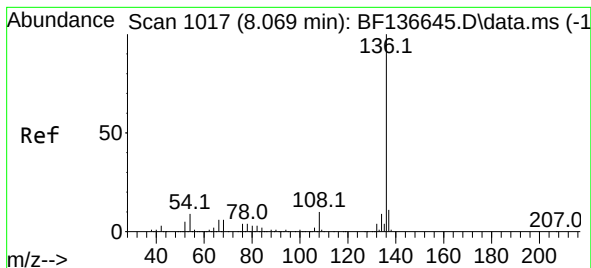


#19  
n-Nitroso-di-n-propylamine  
Concen: 9.583 ng  
RT: 7.339 min Scan# 893  
Delta R.T. 0.129 min  
Lab File: BF136702.D  
Acq: 23 Dec 2023 00:02



Tgt Ion: 70 Resp: 31819  
Ion Ratio Lower Upper  
70 100  
42 50.7 54.2 81.4#  
101 0.0 7.6 11.4#  
130 2.6 17.1 25.7#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.057 min Scan# 1015

Delta R.T. -0.012 min

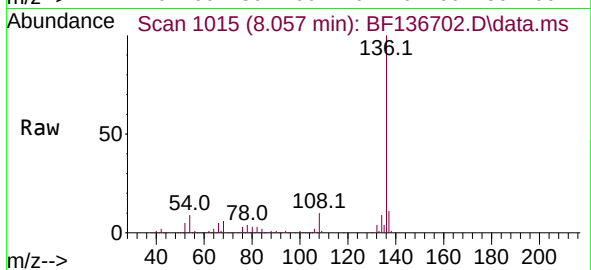
Lab File: BF136702.D

Acq: 23 Dec 2023 00:02

Instrument :

BNA\_F

ClientSampleId :



Tgt Ion:136 Resp: 217896

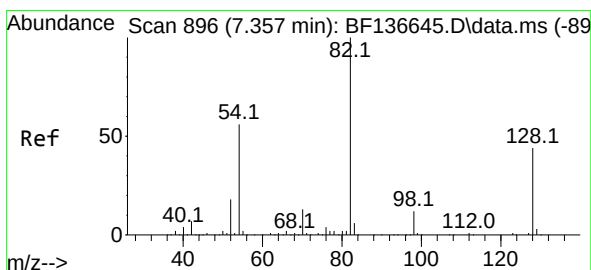
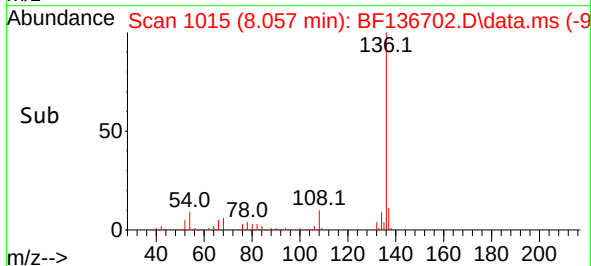
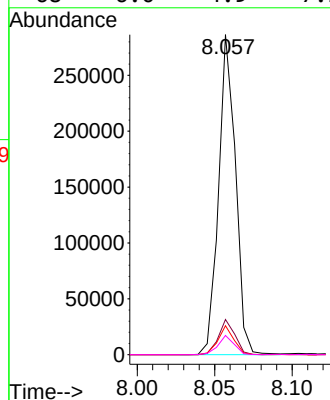
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.4

54 9.0 7.2 10.8

68 6.0 4.9 7.3



#23

Nitrobenzene-d5

Concen: 56.796 ng

RT: 7.339 min Scan# 893

Delta R.T. -0.018 min

Lab File: BF136702.D

Acq: 23 Dec 2023 00:02

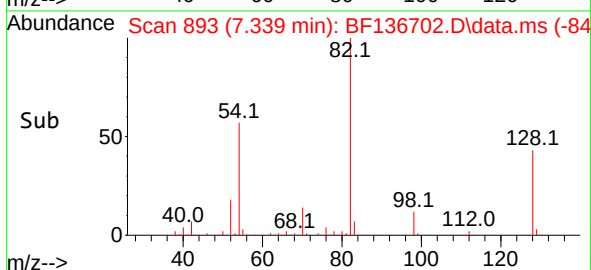
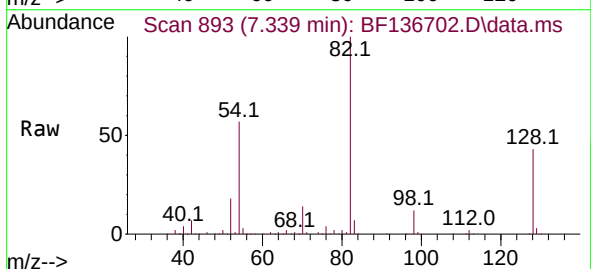
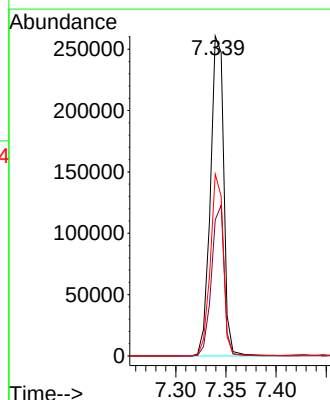
Tgt Ion: 82 Resp: 241846

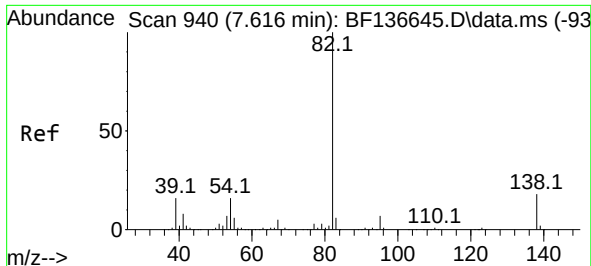
Ion Ratio Lower Upper

82 100

128 42.5 35.3 52.9

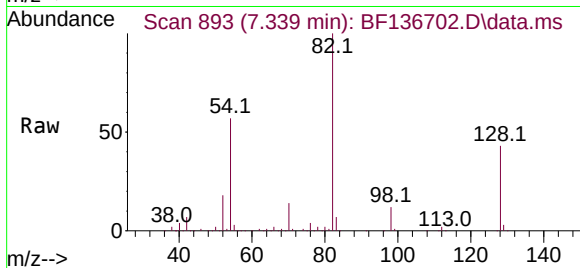
54 56.8 44.5 66.7



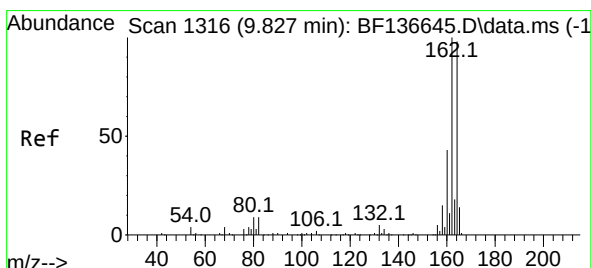
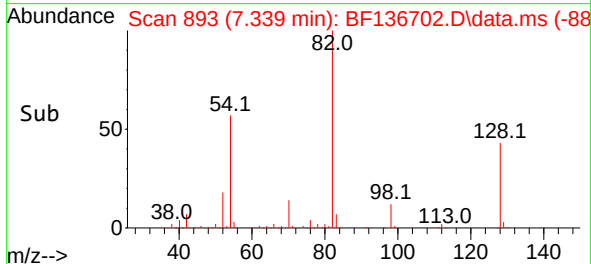
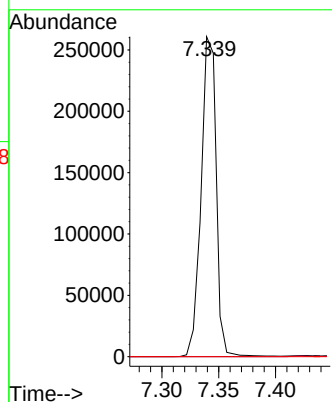


#25  
Isophorone  
Concen: 31.079 ng  
RT: 7.339 min Scan# 893  
Delta R.T. -0.276 min  
Lab File: BF136702.D  
Acq: 23 Dec 2023 00:02

Instrument :  
BNA\_F  
ClientSampleId :

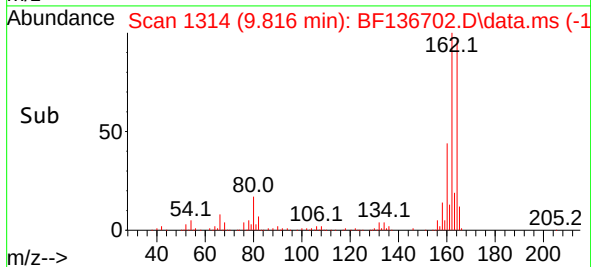
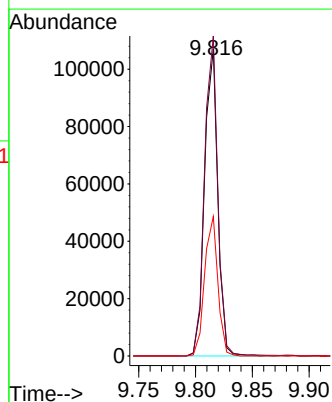
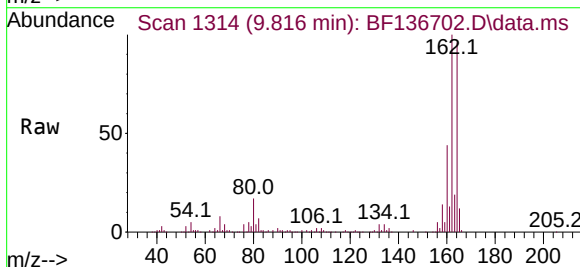


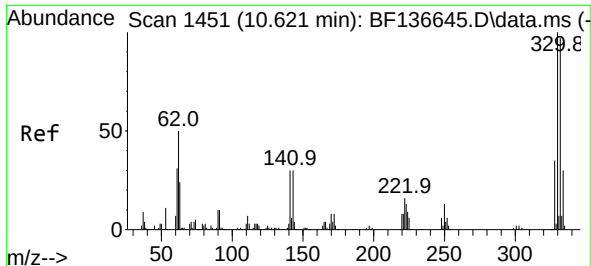
Tgt Ion: 82 Resp: 240807  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.5 8.3#  
138 0.0 14.5 21.7#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.816 min Scan# 1314  
Delta R.T. -0.012 min  
Lab File: BF136702.D  
Acq: 23 Dec 2023 00:02

Tgt Ion:164 Resp: 86260  
Ion Ratio Lower Upper  
164 100  
162 104.3 81.6 122.4  
160 45.4 34.9 52.3





#42

2,4,6-Tribromophenol

Concen: 0.116 ng

RT: 10.610 min Scan# 1449

Delta R.T. -0.012 min

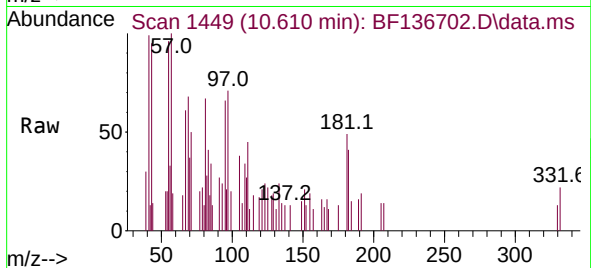
Lab File: BF136702.D

Acq: 23 Dec 2023 00:02

Instrument :

BNA\_F

ClientSampleId :



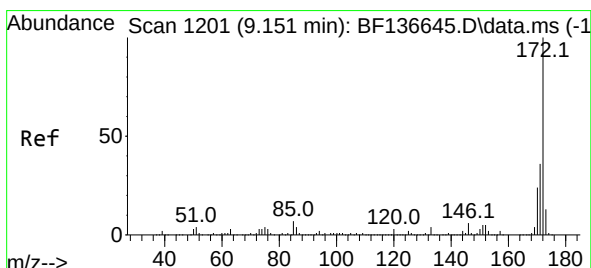
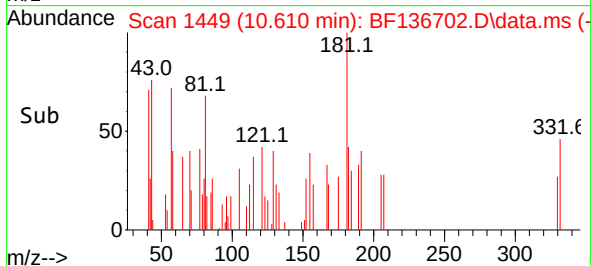
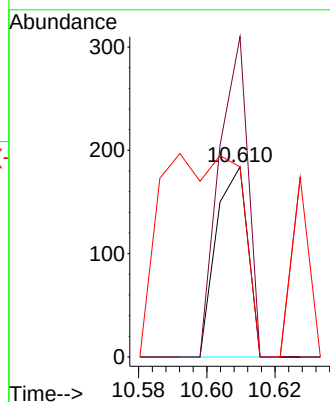
Tgt Ion:330 Resp: 118

Ion Ratio Lower Upper

330 100

332 154.2 77.4 116.0#

141 274.6 23.4 35.2#



#45

2-Fluorobiphenyl

Concen: 64.533 ng

RT: 9.133 min Scan# 1198

Delta R.T. -0.018 min

Lab File: BF136702.D

Acq: 23 Dec 2023 00:02

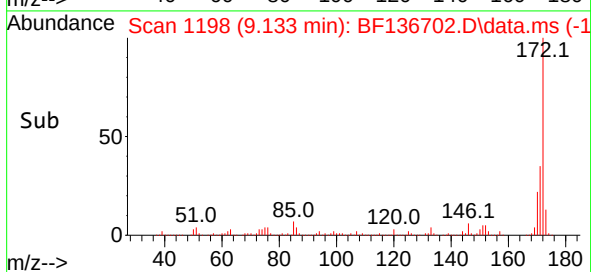
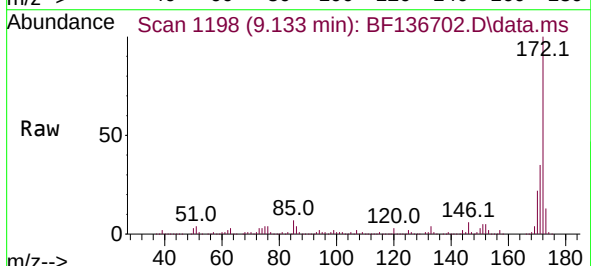
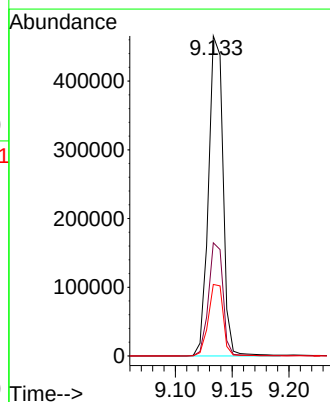
Tgt Ion:172 Resp: 413882

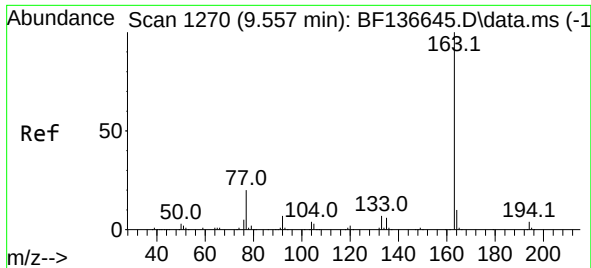
Ion Ratio Lower Upper

172 100

171 35.4 29.0 43.6

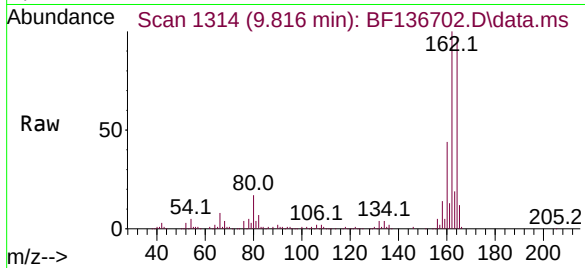
170 22.4 19.0 28.4



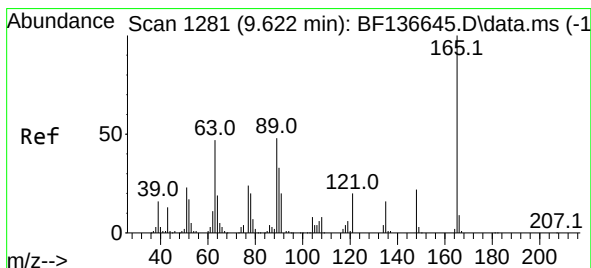
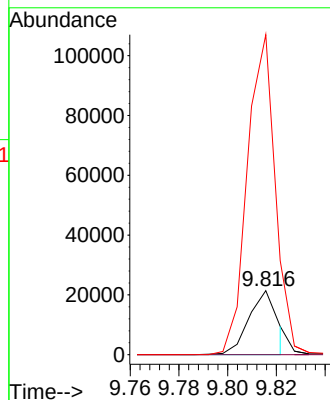
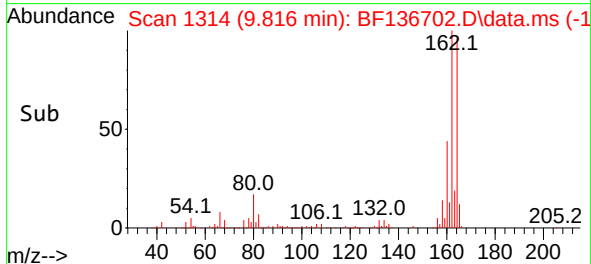


#50  
Dimethylphthalate  
Concen: 2.756 ng  
RT: 9.816 min Scan# 1314  
Delta R.T. 0.259 min  
Lab File: BF136702.D  
Acq: 23 Dec 2023 00:02

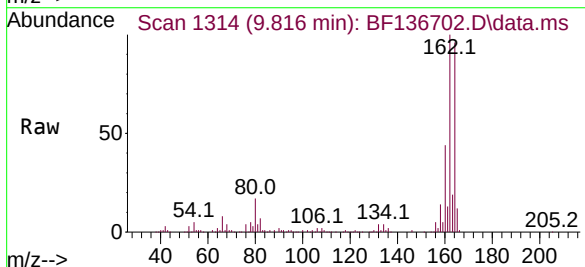
Instrument :  
BNA\_F  
ClientSampleId :



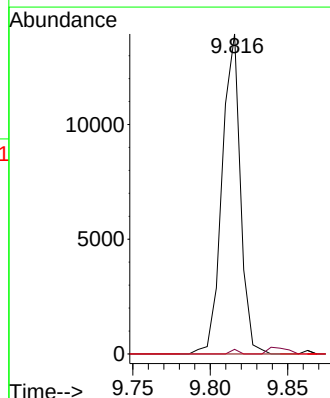
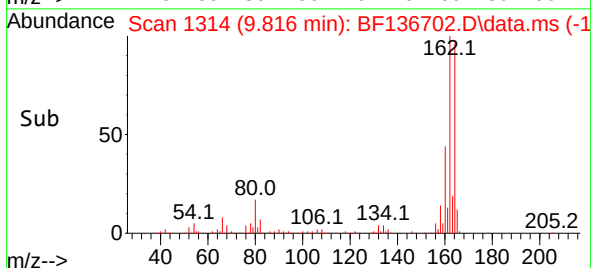
Tgt Ion:163 Resp: 17365  
Ion Ratio Lower Upper  
163 100  
194 0.0 3.3 4.9#  
164 499.4 7.8 11.6#



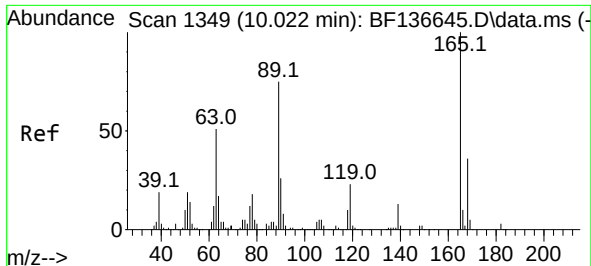
#51  
2,6-Dinitrotoluene  
Concen: 8.018 ng  
RT: 9.816 min Scan# 1314  
Delta R.T. 0.194 min  
Lab File: BF136702.D  
Acq: 23 Dec 2023 00:02



Tgt Ion:165 Resp: 11465  
Ion Ratio Lower Upper  
165 100  
63 1.5 39.8 59.6#  
89 0.0 38.8 58.2#

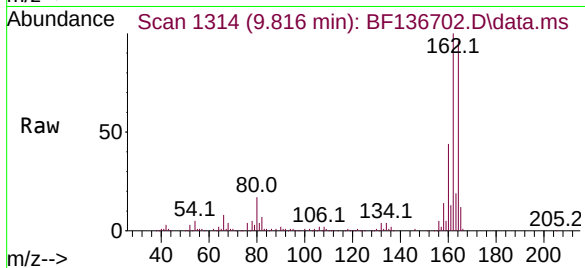




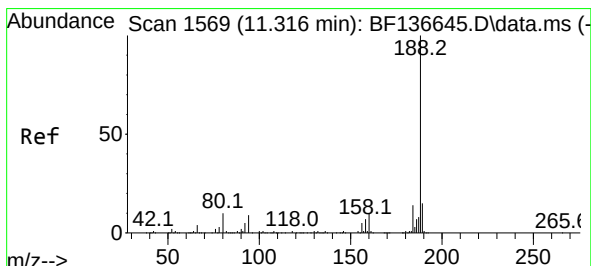
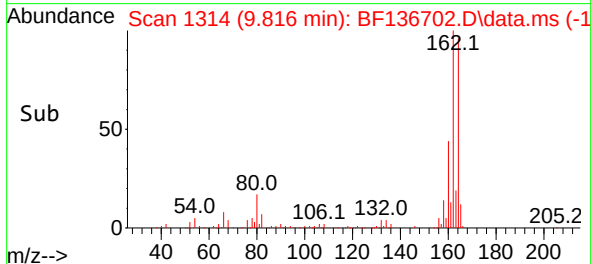
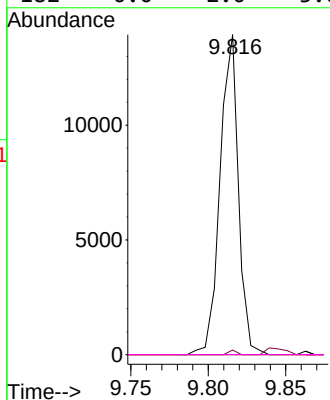


#57  
2,4-Dinitrotoluene  
Concen: 6.176 ng  
RT: 9.816 min Scan# 11465  
Delta R.T. -0.206 min  
Lab File: BF136702.D  
Acq: 23 Dec 2023 00:02

Instrument :  
BNA\_F  
ClientSampleId :

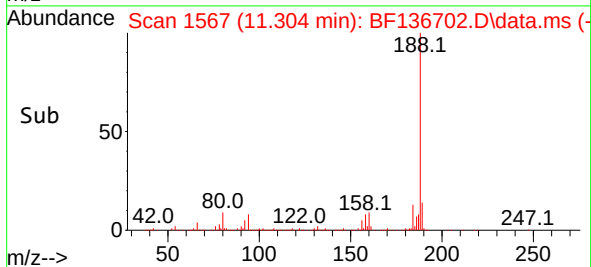
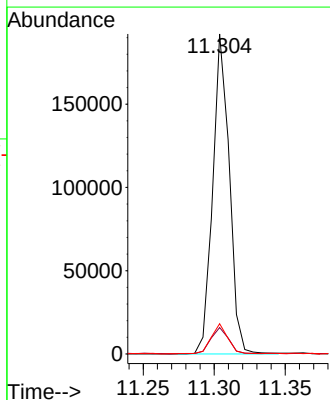
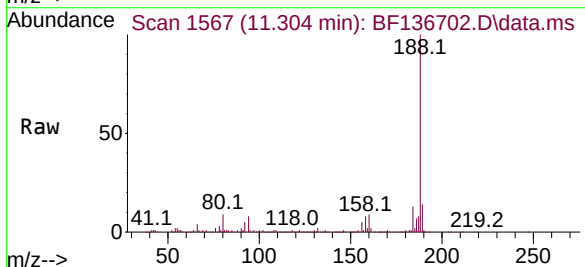


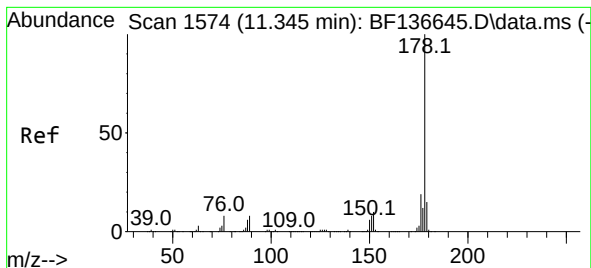
Tgt Ion:165 Resp: 11465  
Ion Ratio Lower Upper  
165 100  
63 1.5 41.0 61.6#  
89 0.0 59.9 89.9#  
182 0.0 2.0 3.0#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.304 min Scan# 1567  
Delta R.T. -0.012 min  
Lab File: BF136702.D  
Acq: 23 Dec 2023 00:02

Tgt Ion:188 Resp: 155855  
Ion Ratio Lower Upper  
188 100  
94 8.3 7.5 11.3  
80 9.4 8.1 12.1





#71

Phenanthrene

Concen: 6.300 ng

RT: 11.327 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF136702.D

Acq: 23 Dec 2023 00:02

Instrument :

BNA\_F

ClientSampleId :

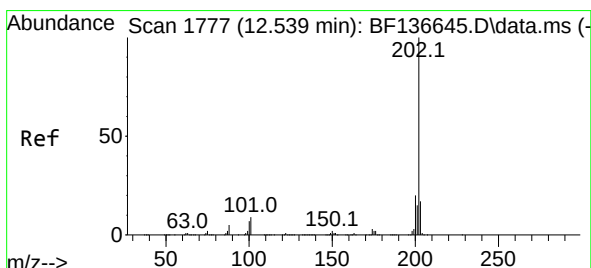
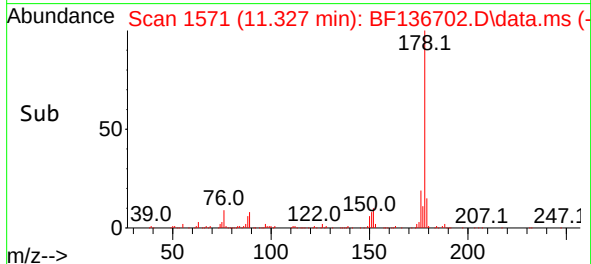
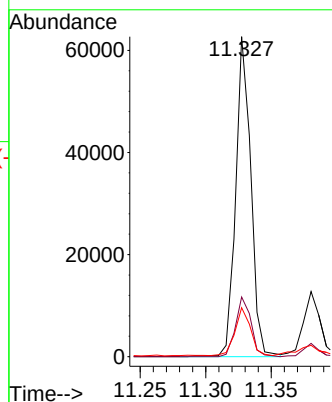
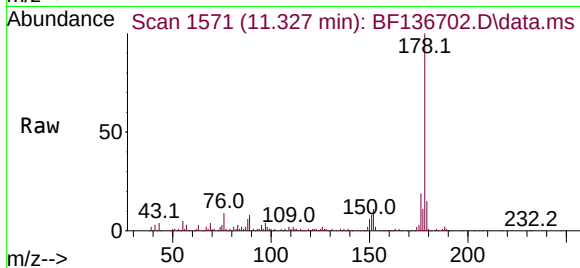
Tgt Ion:178 Resp: 50381

Ion Ratio Lower Upper

178 100

176 18.6 15.3 22.9

179 15.3 11.9 17.9



#75

Fluoranthene

Concen: 12.262 ng

RT: 12.521 min Scan# 1774

Delta R.T. -0.018 min

Lab File: BF136702.D

Acq: 23 Dec 2023 00:02

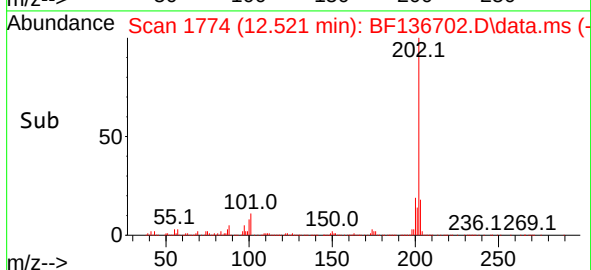
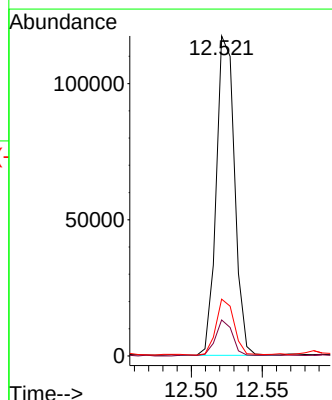
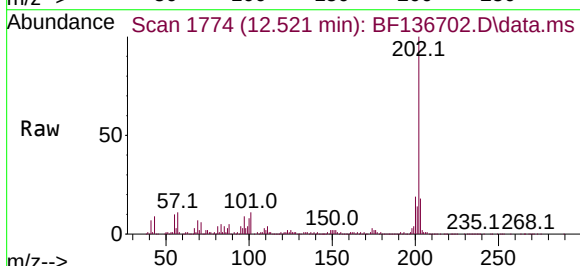
Tgt Ion:202 Resp: 104889

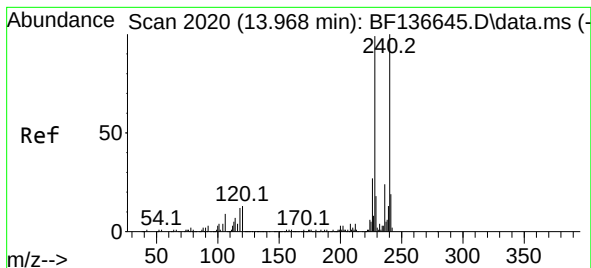
Ion Ratio Lower Upper

202 100

101 11.3 0.0 29.3

203 17.7 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.962 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136702.D

Acq: 23 Dec 2023 00:02

Instrument :

BNA\_F

ClientSampleId :

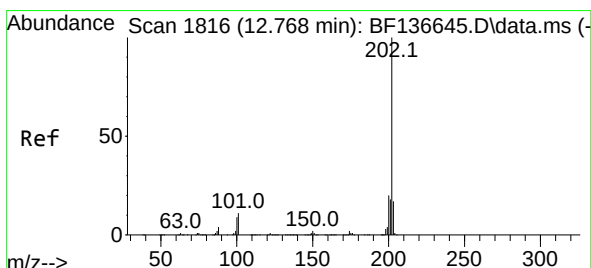
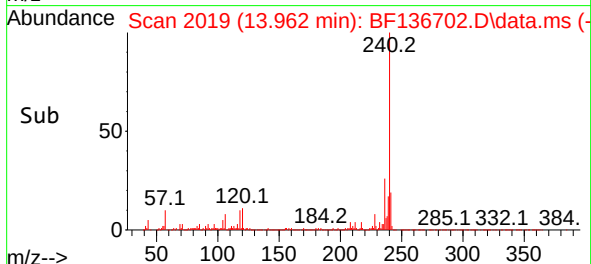
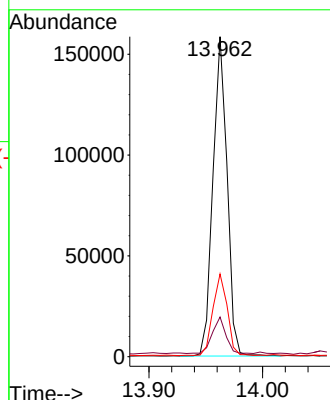
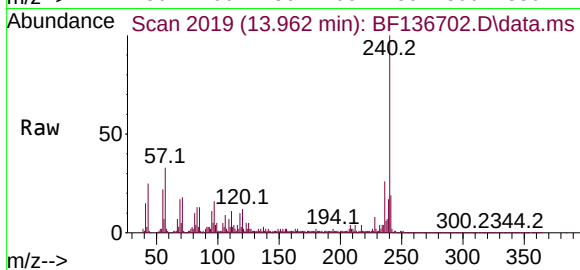
Tgt Ion:240 Resp: 137093

Ion Ratio Lower Upper

240 100

120 12.4 10.3 15.5

236 25.9 19.4 29.2



#78

Pyrene

Concen: 6.946 ng

RT: 12.757 min Scan# 1814

Delta R.T. -0.012 min

Lab File: BF136702.D

Acq: 23 Dec 2023 00:02

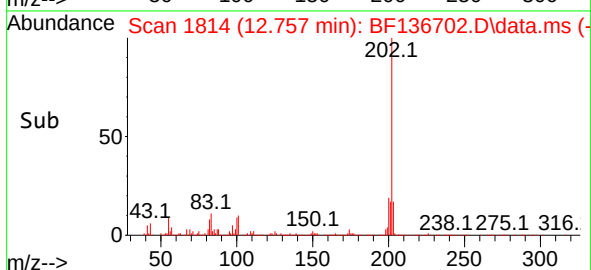
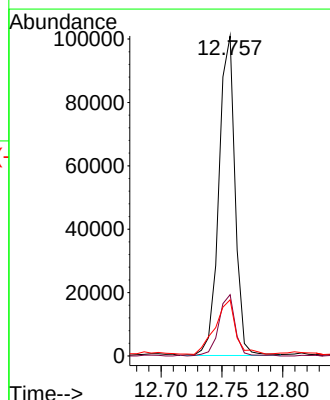
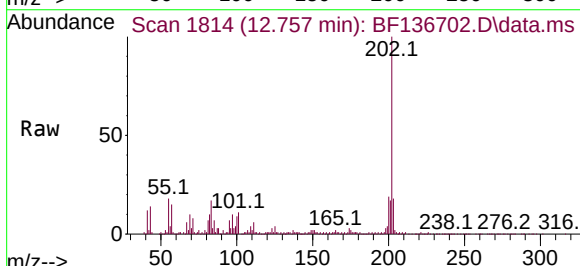
Tgt Ion:202 Resp: 93473

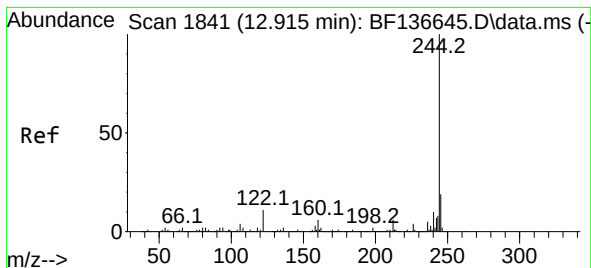
Ion Ratio Lower Upper

202 100

200 19.2 15.9 23.9

203 17.5 13.8 20.6





#79

Terphenyl-d14

Concen: 45.064 ng

RT: 12.904 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF136702.D

Acq: 23 Dec 2023 00:02

Instrument :

BNA\_F

ClientSampleId :

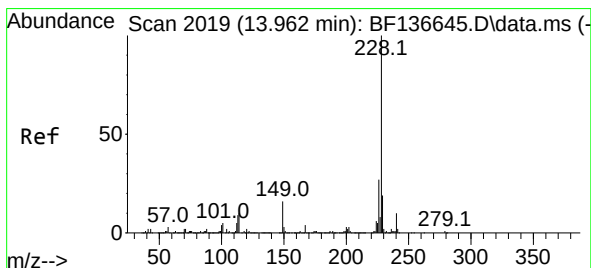
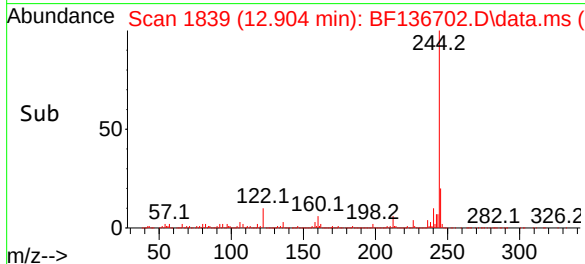
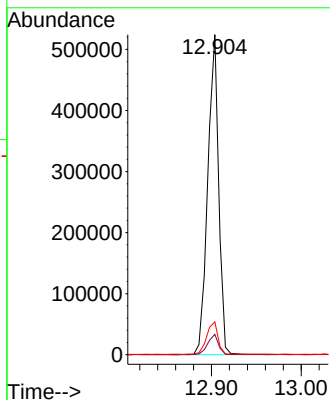
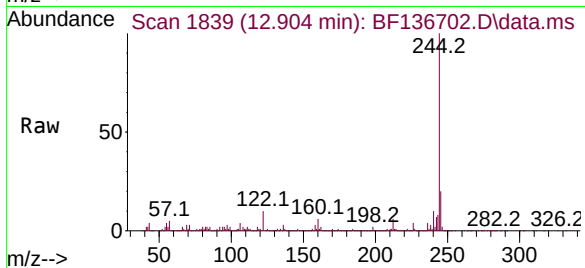
Tgt Ion:244 Resp: 442084

Ion Ratio Lower Upper

244 100

212 6.4 5.0 7.4

122 10.3 9.0 13.4



#81

Benzo(a)anthracene

Concen: 5.356 ng

RT: 13.951 min Scan# 2017

Delta R.T. -0.012 min

Lab File: BF136702.D

Acq: 23 Dec 2023 00:02

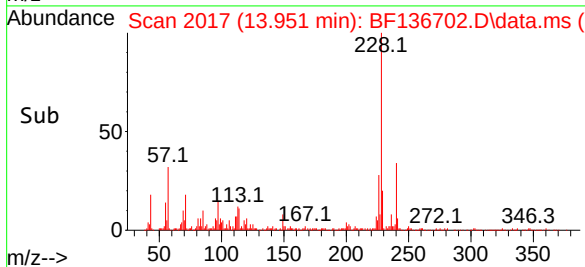
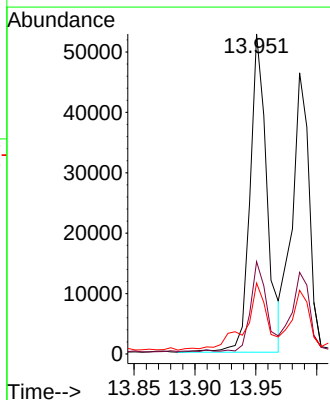
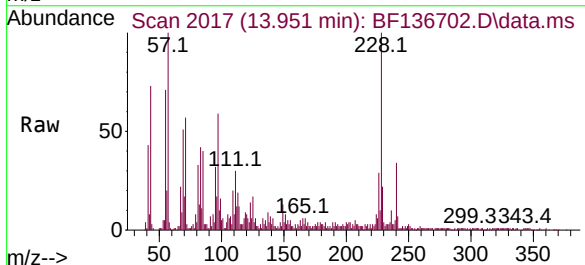
Tgt Ion:228 Resp: 50990

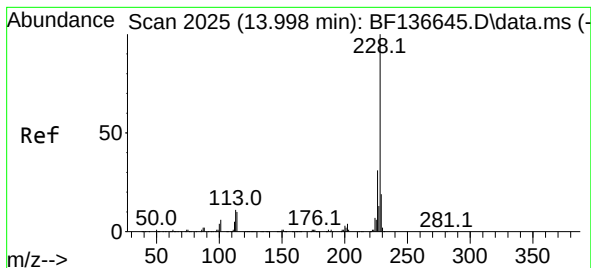
Ion Ratio Lower Upper

228 100

226 28.9 21.4 32.0

229 22.1 14.9 22.3





#83

Chrysene

Concen: 4.909 ng

RT: 13.986 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF136702.D

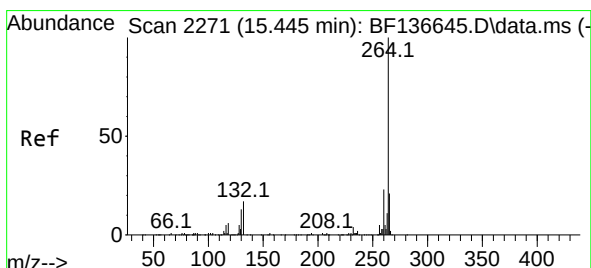
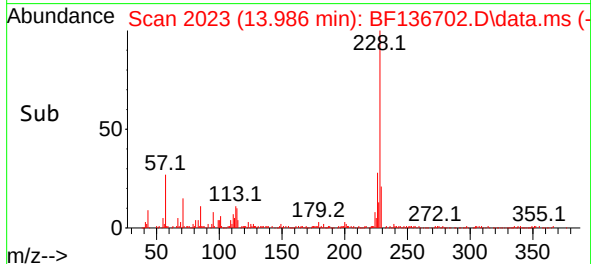
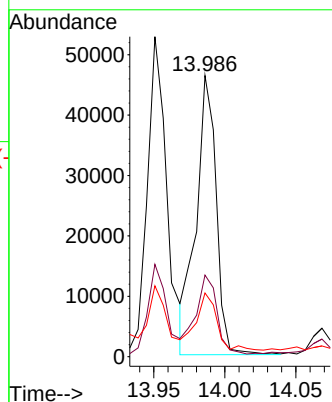
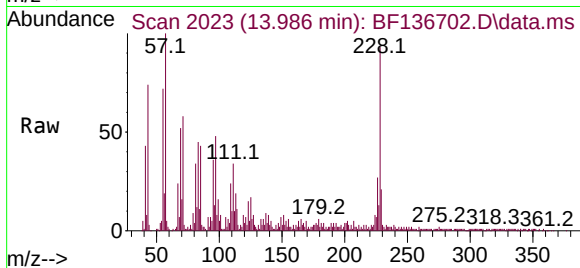
Acq: 23 Dec 2023 00:02

Instrument :

BNA\_F

ClientSampleId :

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:228 | Resp: | 45696     |
| Ion Ratio   | Lower | Upper     |
| 228         | 100   |           |
| 226         | 29.0  | 24.7 37.1 |
| 229         | 22.6  | 15.4 23.0 |



#86

Perylene-d12

Concen: 20.000 ng

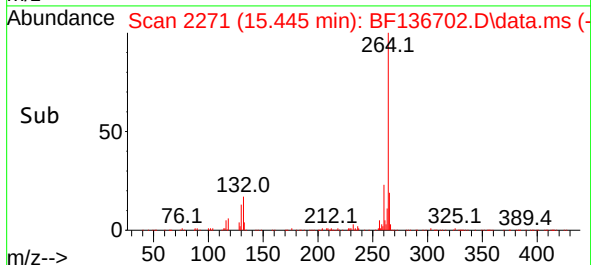
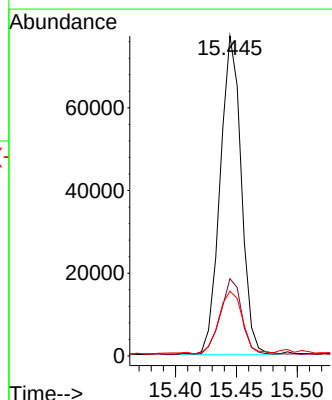
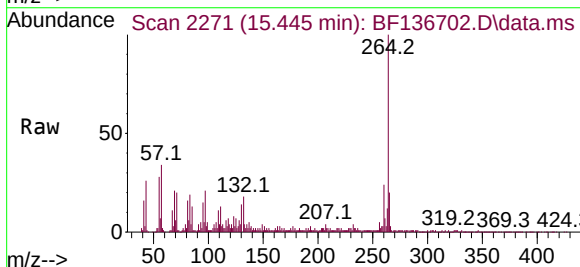
RT: 15.445 min Scan# 2271

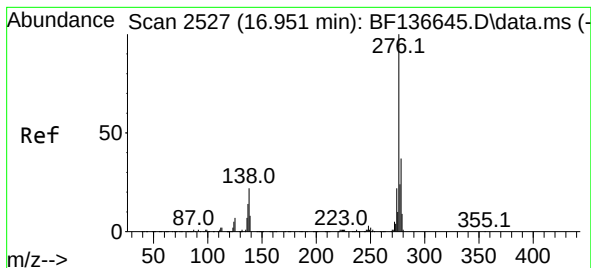
Delta R.T. 0.000 min

Lab File: BF136702.D

Acq: 23 Dec 2023 00:02

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:264 | Resp: | 92947     |
| Ion Ratio   | Lower | Upper     |
| 264         | 100   |           |
| 260         | 24.2  | 18.3 27.5 |
| 265         | 20.3  | 17.0 25.6 |





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.604 ng

RT: 16.939 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF136702.D

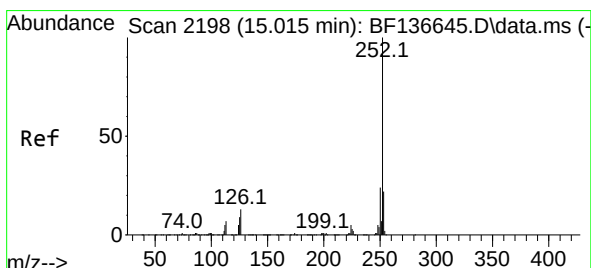
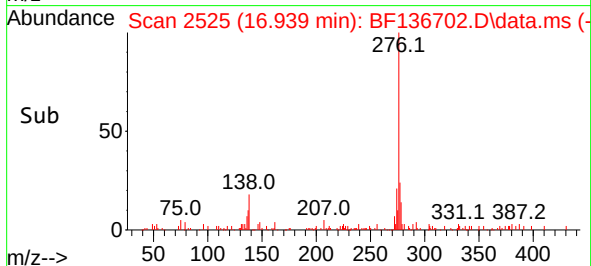
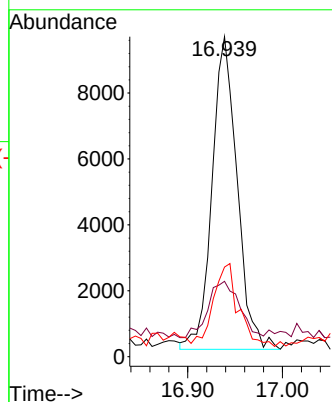
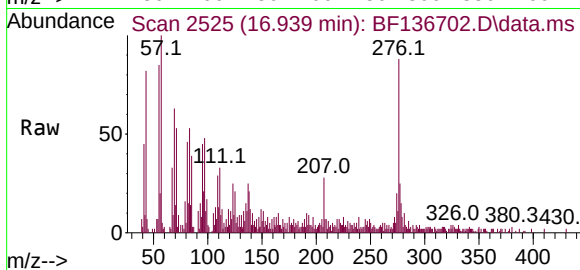
Acq: 23 Dec 2023 00:02

Instrument :

BNA\_F

ClientSampleId :

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 17474 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 22.5  | 18.7  | 28.1  |
| 277       | 26.5  | 20.2  | 30.2  |



#88

Benzo(b)fluoranthene

Concen: 9.091 ng

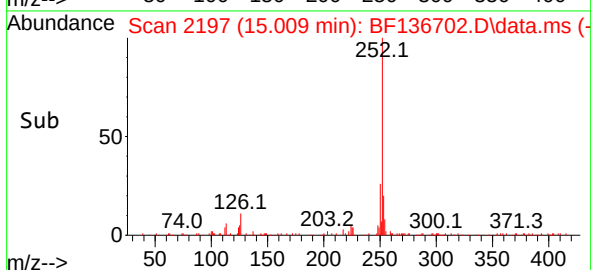
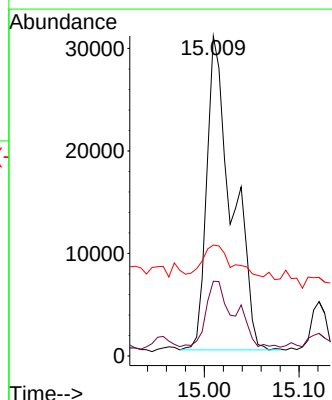
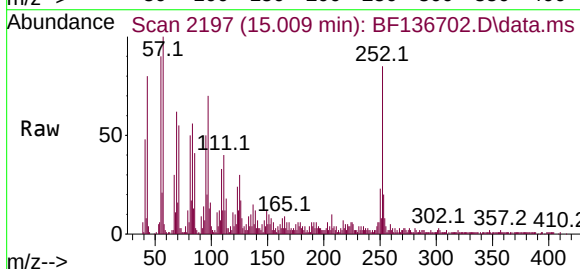
RT: 15.009 min Scan# 2197

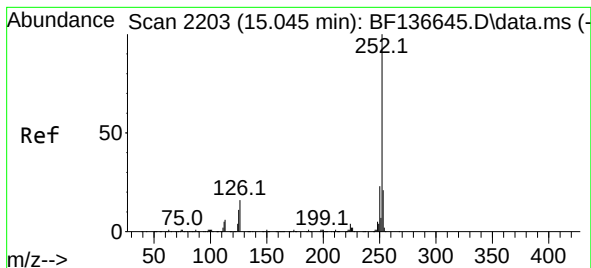
Delta R.T. -0.006 min

Lab File: BF136702.D

Acq: 23 Dec 2023 00:02

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 56440 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 23.3  | 17.4  | 26.0  |
| 125       | 34.7  | 7.4   | 11.2# |





#89

Benzo(k)fluoranthene

Concen: 9.622 ng

RT: 15.009 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF136702.D

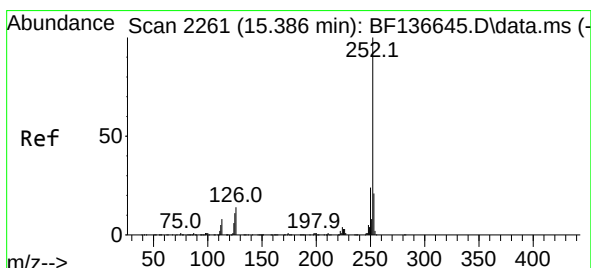
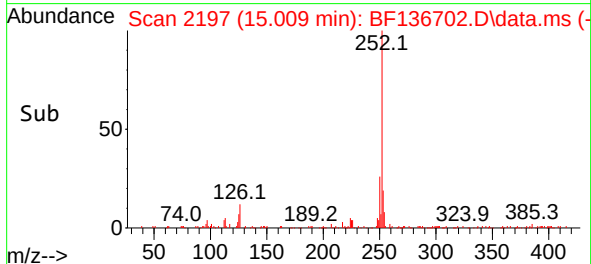
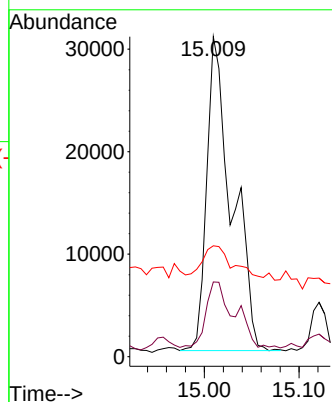
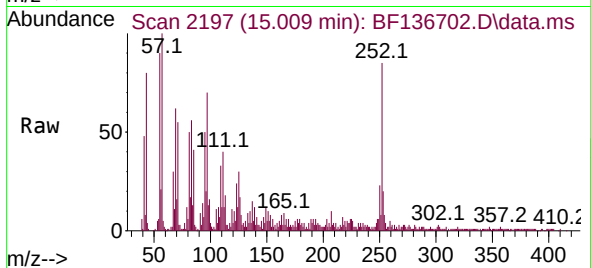
Acq: 23 Dec 2023 00:02

Instrument :

BNA\_F

ClientSampleId :

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:252 | Resp: | 56440     |
| Ion Ratio   | Lower | Upper     |
| 252         | 100   |           |
| 253         | 23.3  | 17.0 25.6 |
| 125         | 34.7  | 8.2 12.4# |



#90

Benzo(a)pyrene

Concen: 4.759 ng

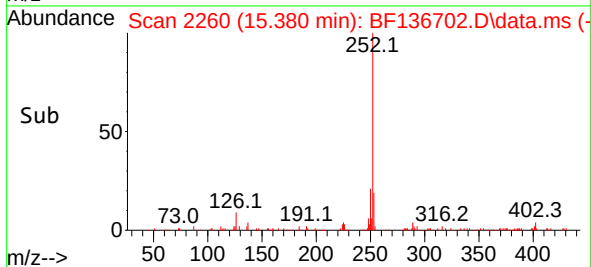
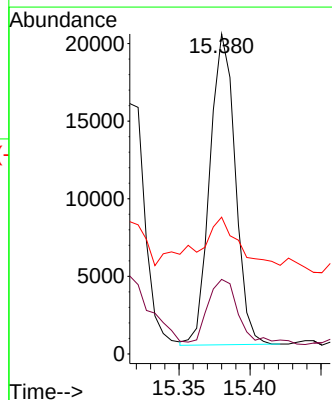
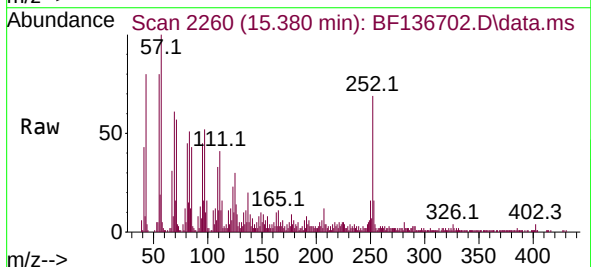
RT: 15.380 min Scan# 2260

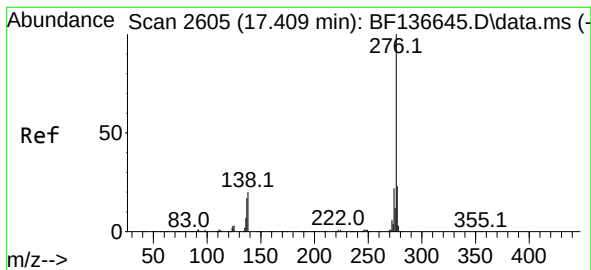
Delta R.T. -0.006 min

Lab File: BF136702.D

Acq: 23 Dec 2023 00:02

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:252 | Resp: | 24940     |
| Ion Ratio   | Lower | Upper     |
| 252         | 100   |           |
| 253         | 23.3  | 17.0 25.6 |
| 125         | 42.7  | 8.8 13.2# |





#92

Benzo(g,h,i)perylene

Concen: 2.945 ng

RT: 17.392 min Scan# 20

Delta R.T. -0.018 min

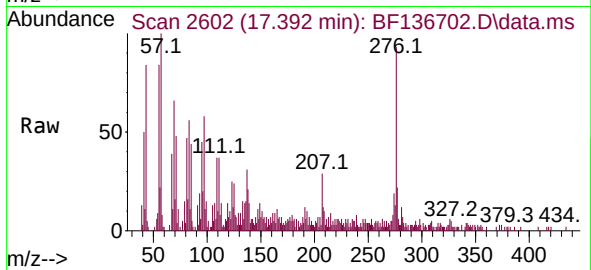
Lab File: BF136702.D

Acq: 23 Dec 2023 00:02

Instrument :

BNA\_F

ClientSampleId :



Tgt Ion:276 Resp: 16605

Ion Ratio Lower Upper

276 100

277 23.6 18.3 27.5

138 22.6 15.6 23.4

