

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF010524\  
 Data File : BF136970.D  
 Acq On : 05 Jan 2024 12:13  
 Operator : CG\JU  
 Sample : P1005-01  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jan 05 12:50:15 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

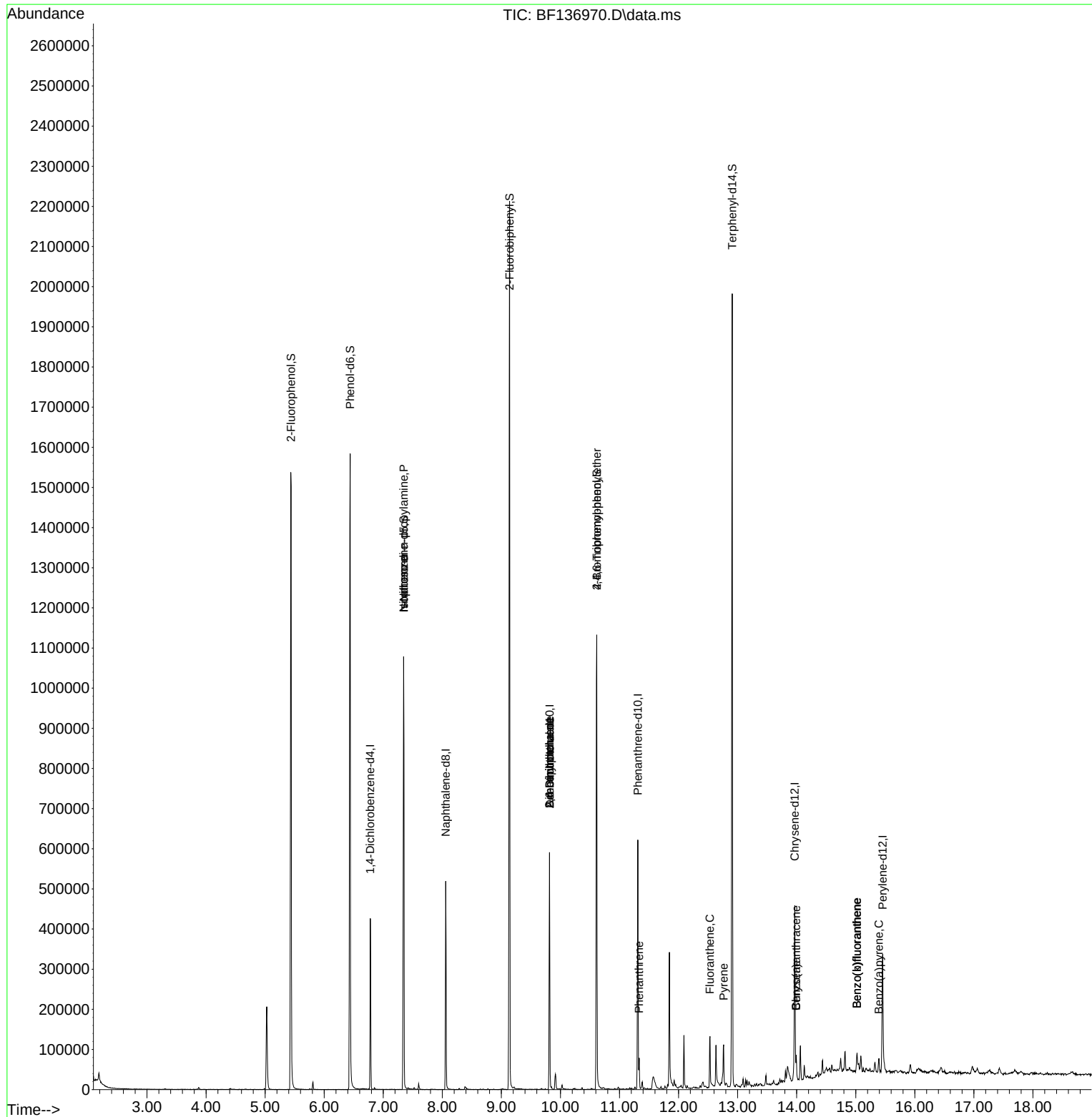
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.781  | 152  | 59772    | 20.000  | ng    | -0.01    |
| 21) Naphthalene-d8            | 8.057  | 136  | 219440   | 20.000  | ng    | -0.01    |
| 39) Acenaphthene-d10          | 9.816  | 164  | 111588   | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.310 | 188  | 208816   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.969 | 240  | 140499   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.457 | 264  | 138700   | 20.000  | ng    | 0.01     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.440  | 112  | 458849   | 119.778 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.440  | 99   | 572591   | 115.352 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.345  | 82   | 362771   | 84.594  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.616 | 330  | 154589   | 117.630 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.139  | 172  | 696905   | 83.999  | ng    | -0.01    |
| 79) Terphenyl-d14             | 12.910 | 244  | 680109   | 67.647  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.345  | 70   | 46071    | 15.311  | ng    | # 74     |
| 25) Isophorone                | 7.345  | 82   | 362768   | 46.490  | ng    | # 65     |
| 50) Dimethylphthalate         | 9.816  | 163  | 21244    | 2.606   | ng    | # 1      |
| 51) 2,6-Dinitrotoluene        | 9.816  | 165  | 14224    | 7.689   | ng    | # 30     |
| 57) 2,4-Dinitrotoluene        | 9.816  | 165  | 14224    | 5.923   | ng    | # 21     |
| 67) 4-Bromophenyl-phenylether | 10.616 | 248  | 8690     | 3.747   | ng    | # 1      |
| 71) Phenanthrene              | 11.333 | 178  | 24378    | 2.275   | ng    | 95       |
| 75) Fluoranthene              | 12.527 | 202  | 52899    | 4.616   | ng    | 97       |
| 78) Pyrene                    | 12.763 | 202  | 43978    | 3.189   | ng    | 98       |
| 81) Benzo(a)anthracene        | 13.992 | 228  | 21272    | 2.180   | ng    | 95       |
| 83) Chrysene                  | 13.992 | 228  | 21272    | 2.230   | ng    | 96       |
| 88) Benzo(b)fluoranthene      | 15.021 | 252  | 34335    | 3.706   | ng    | # 93     |
| 89) Benzo(k)fluoranthene      | 15.021 | 252  | 34335    | 3.922   | ng    | # 93     |
| 90) Benzo(a)pyrene            | 15.392 | 252  | 17100    | 2.187   | ng    | 98       |
| -----                         |        |      |          |         |       |          |

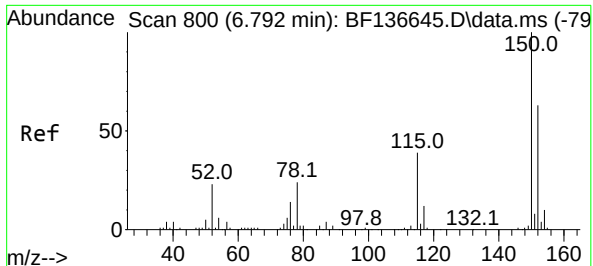
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF010524\  
Data File : BF136970.D  
Acq On : 05 Jan 2024 12:13  
Operator : CG\JU  
Sample : P1005-01  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :

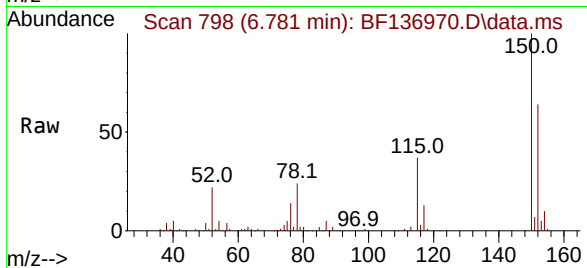
Quant Time: Jan 05 12:50:15 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122023.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Dec 21 01:54:25 2023  
Response via : Initial Calibration



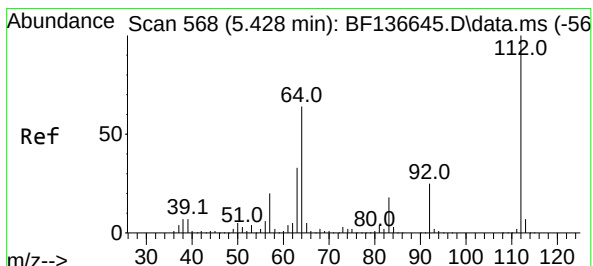
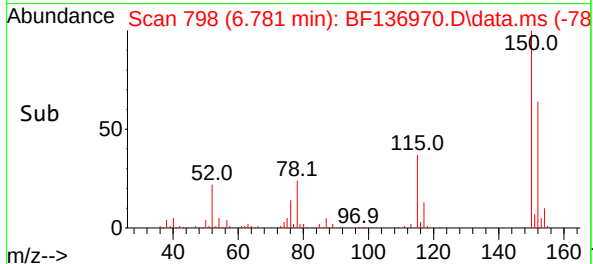
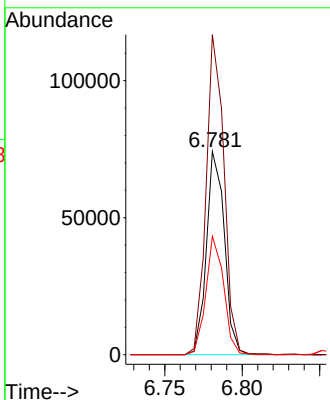


#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.781 min Scan# 79  
Delta R.T. -0.011 min  
Lab File: BF136970.D  
Acq: 05 Jan 2024 12:13

Instrument :  
BNA\_F  
ClientSampleId :

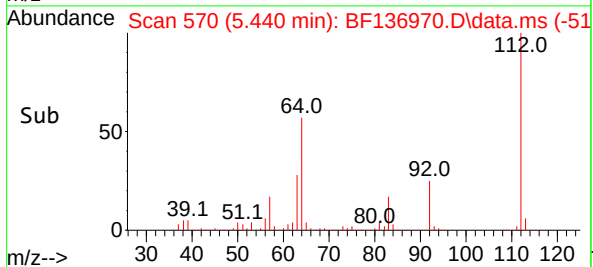
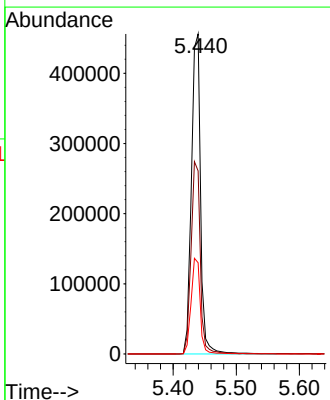
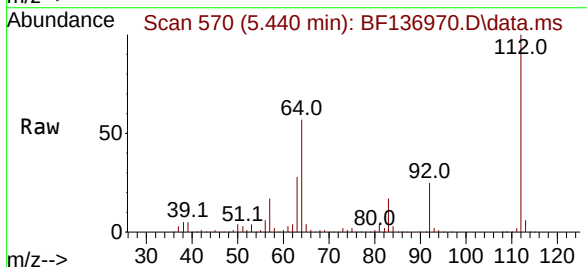


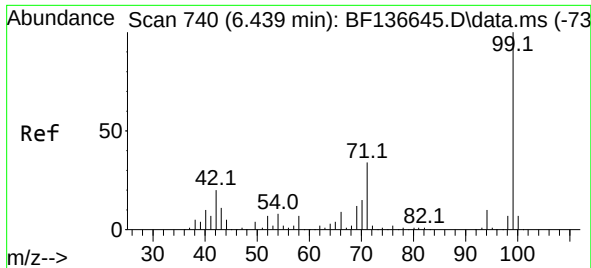
Tgt Ion:152 Resp: 59772  
Ion Ratio Lower Upper  
152 100  
150 157.5 127.0 190.6  
115 58.3 49.0 73.4



#5  
2-Fluorophenol  
Concen: 119.778 ng  
RT: 5.440 min Scan# 570  
Delta R.T. 0.012 min  
Lab File: BF136970.D  
Acq: 05 Jan 2024 12:13

Tgt Ion:112 Resp: 458849  
Ion Ratio Lower Upper  
112 100  
64 57.2 51.1 76.7  
63 28.5 26.1 39.1

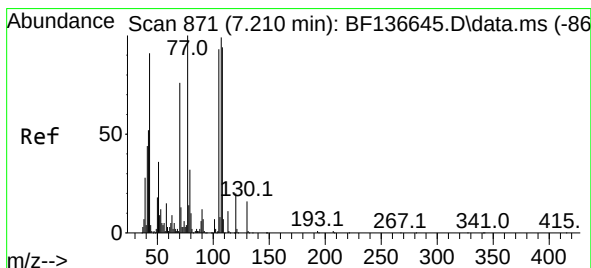
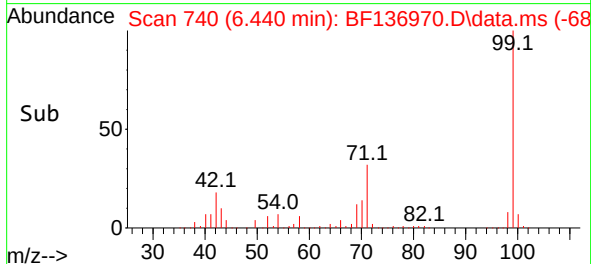
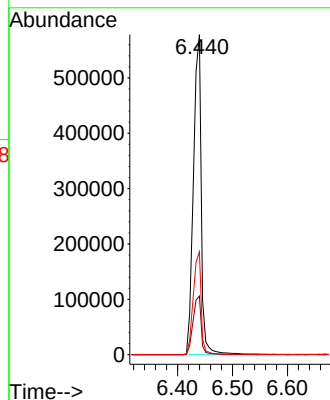
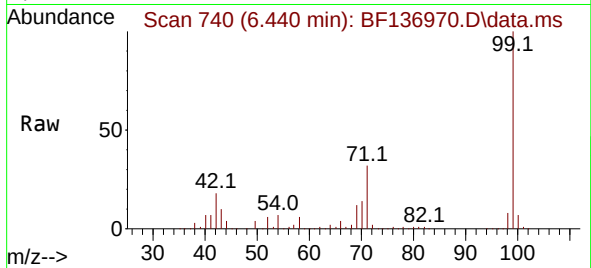




#7  
Phenol-d6  
Concen: 115.352 ng  
RT: 6.440 min Scan# 740  
Delta R.T. 0.000 min  
Lab File: BF136970.D  
Acq: 05 Jan 2024 12:13

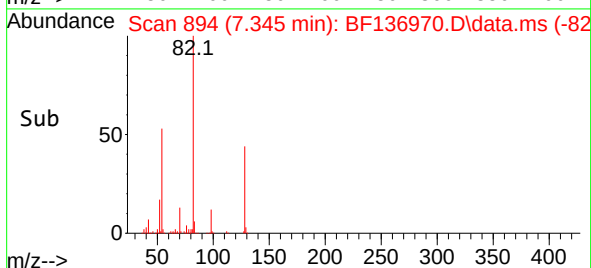
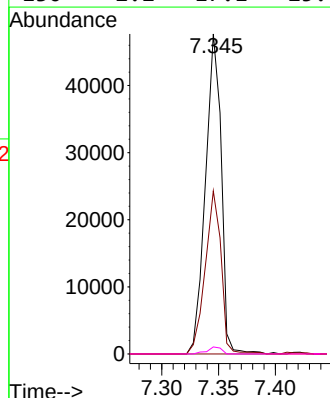
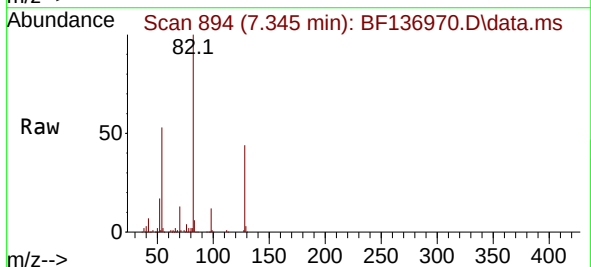
Instrument :  
BNA\_F  
ClientSampleId :

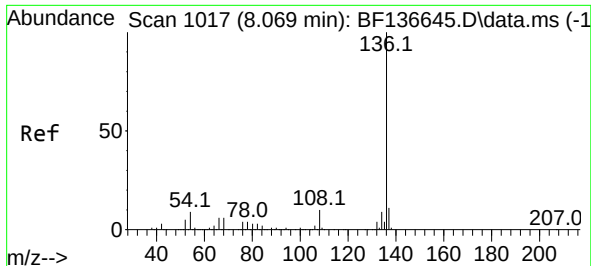
Tgt Ion: 99 Resp: 572591  
Ion Ratio Lower Upper  
99 100  
42 18.3 16.1 24.1  
71 32.1 27.4 41.2



#19  
n-Nitroso-di-n-propylamine  
Concen: 15.311 ng  
RT: 7.345 min Scan# 894  
Delta R.T. 0.135 min  
Lab File: BF136970.D  
Acq: 05 Jan 2024 12:13

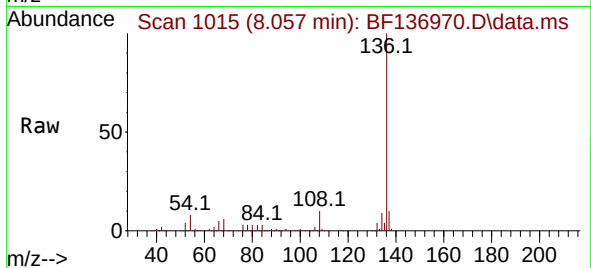
Tgt Ion: 70 Resp: 46071  
Ion Ratio Lower Upper  
70 100  
42 50.9 54.2 81.4#  
101 0.0 7.6 11.4#  
130 2.2 17.1 25.7#



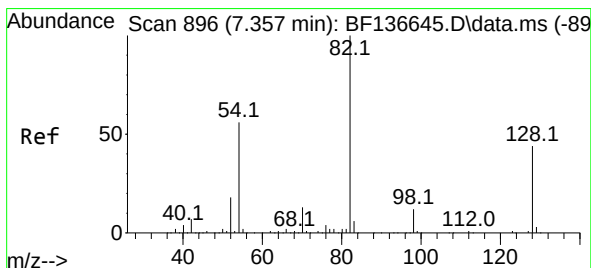
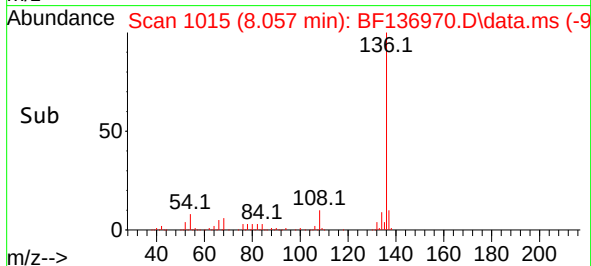
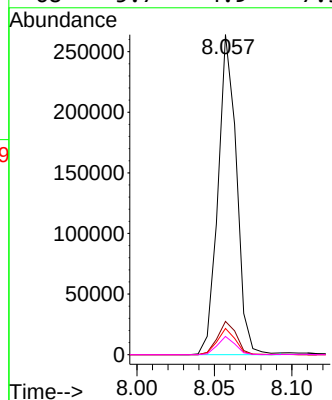


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.057 min Scan# 1015  
Delta R.T. -0.012 min  
Lab File: BF136970.D  
Acq: 05 Jan 2024 12:13

Instrument :  
BNA\_F  
ClientSampleId :

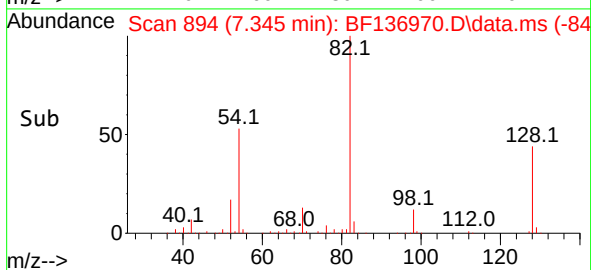
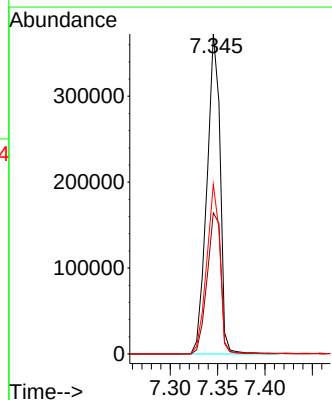
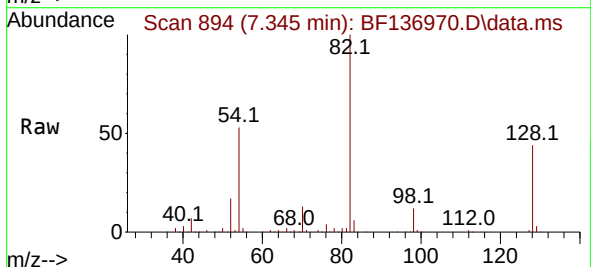


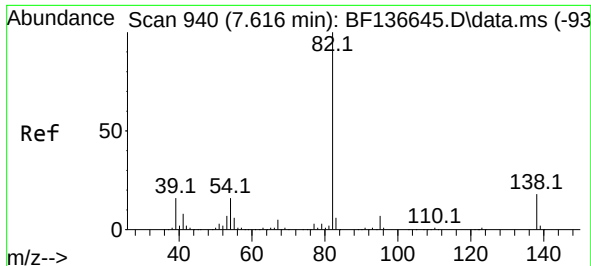
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 219440 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.4  | 9.0   | 13.4   |
| 54       | 8.2   | 7.2   | 10.8   |
| 68       | 5.7   | 4.9   | 7.3    |



#23  
Nitrobenzene-d5  
Concen: 84.594 ng  
RT: 7.345 min Scan# 894  
Delta R.T. -0.012 min  
Lab File: BF136970.D  
Acq: 05 Jan 2024 12:13

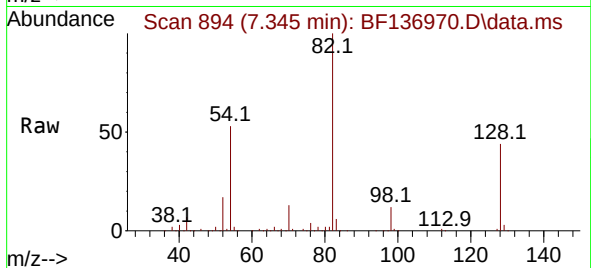
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 362771 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 44.1  | 35.3  | 52.9   |
| 54       | 53.0  | 44.5  | 66.7   |



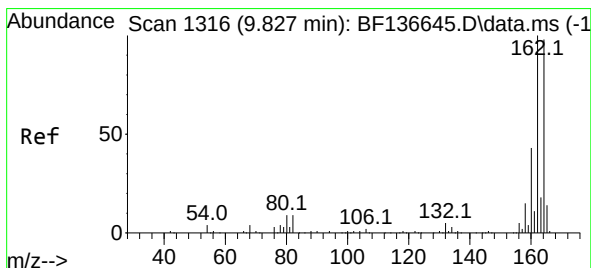
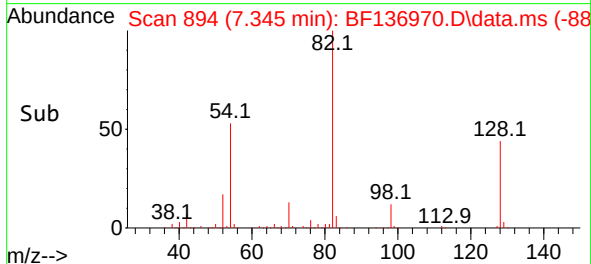
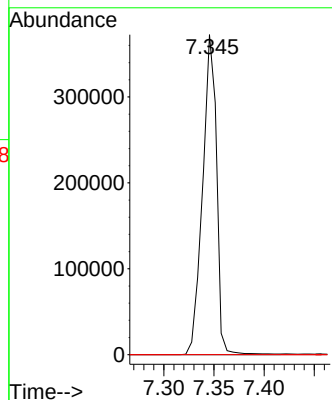


#25  
Isophorone  
Concen: 46.490 ng  
RT: 7.345 min Scan# 894  
Delta R.T. -0.270 min  
Lab File: BF136970.D  
Acq: 05 Jan 2024 12:13

Instrument :  
BNA\_F  
ClientSampleId :

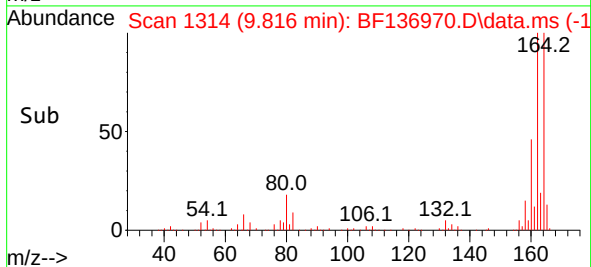
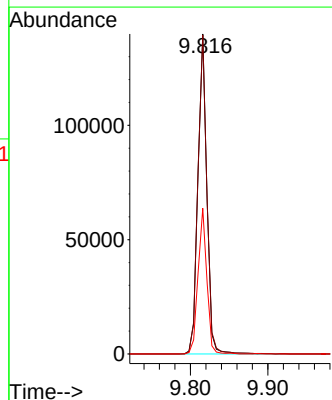
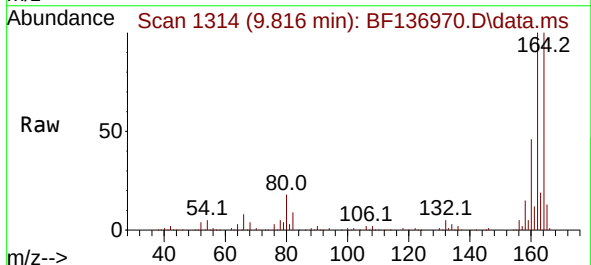


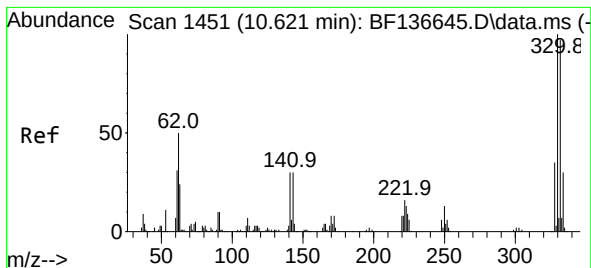
Tgt Ion: 82 Resp: 362768  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.5 8.3#  
138 0.0 14.5 21.7#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.816 min Scan# 1314  
Delta R.T. -0.012 min  
Lab File: BF136970.D  
Acq: 05 Jan 2024 12:13

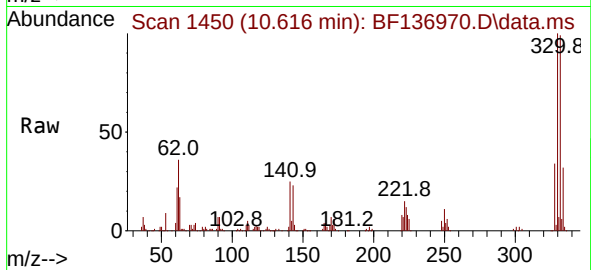
Tgt Ion: 164 Resp: 111588  
Ion Ratio Lower Upper  
164 100  
162 99.7 81.6 122.4  
160 45.5 34.9 52.3



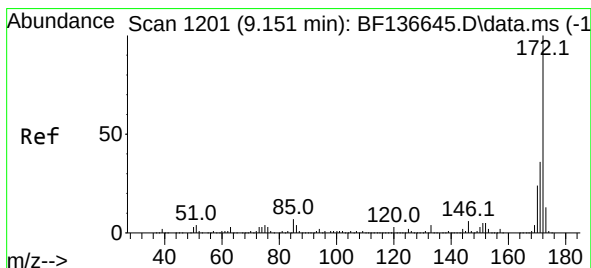
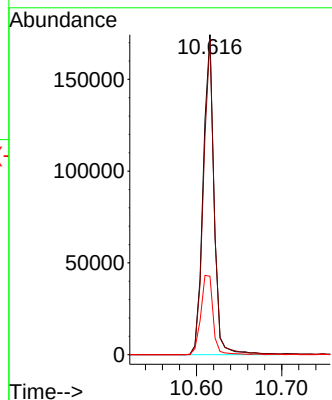
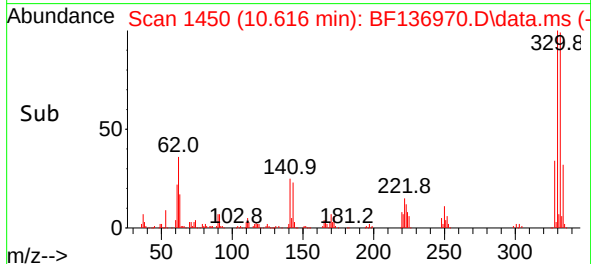


#42  
2,4,6-Tribromophenol  
Concen: 117.630 ng  
RT: 10.616 min Scan# 1451  
Delta R.T. -0.006 min  
Lab File: BF136970.D  
Acq: 05 Jan 2024 12:13

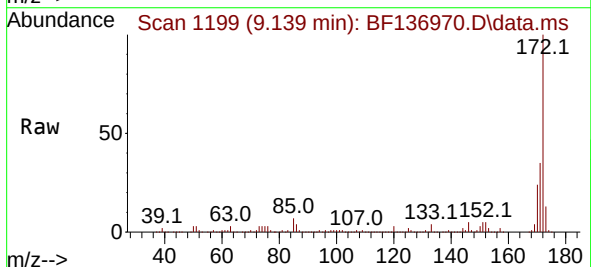
Instrument :  
BNA\_F  
ClientSampleId :



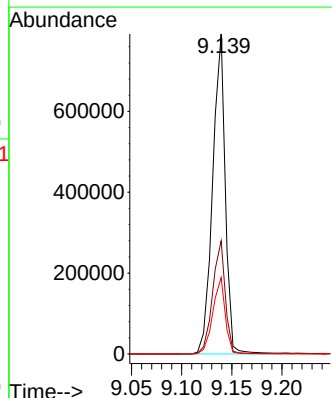
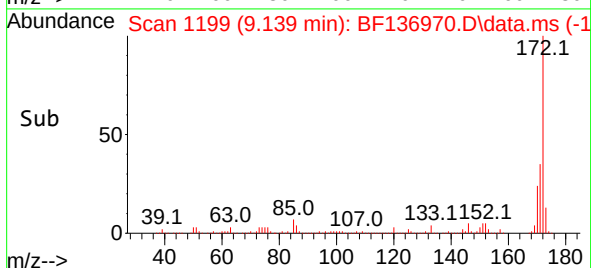
Tgt Ion:330 Resp: 154589  
Ion Ratio Lower Upper  
330 100  
332 97.3 77.4 116.0  
141 27.8 23.4 35.2

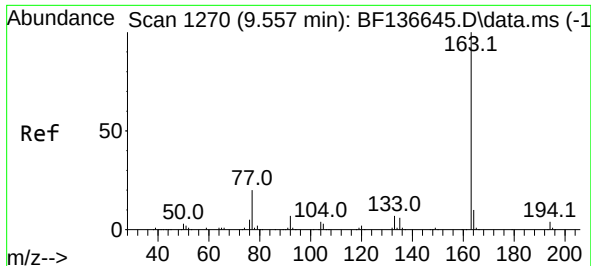


#45  
2-Fluorobiphenyl  
Concen: 83.999 ng  
RT: 9.139 min Scan# 1199  
Delta R.T. -0.012 min  
Lab File: BF136970.D  
Acq: 05 Jan 2024 12:13



Tgt Ion:172 Resp: 696905  
Ion Ratio Lower Upper  
172 100  
171 35.4 29.0 43.6  
170 23.9 19.0 28.4

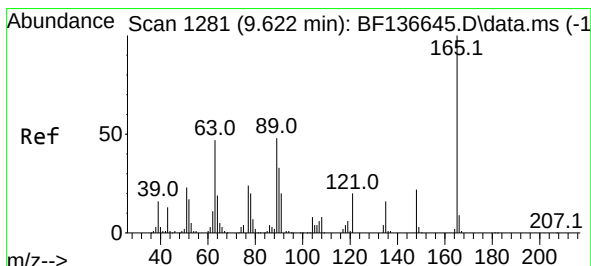
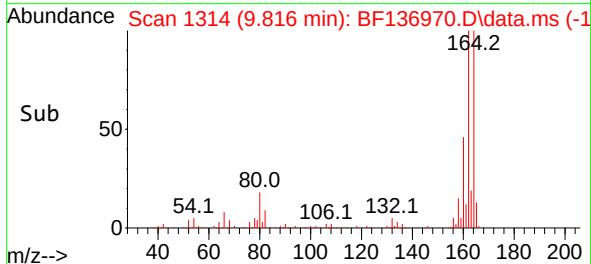
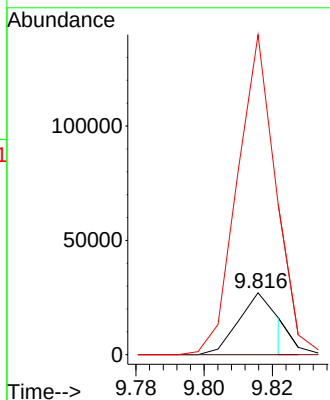
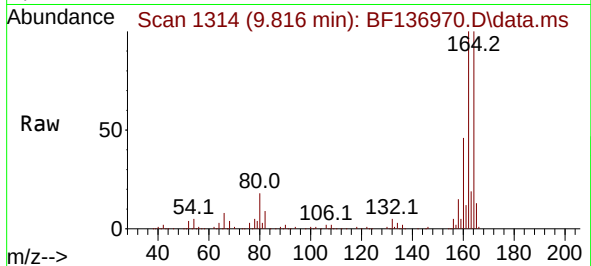




#50  
Dimethylphthalate  
Concen: 2.606 ng  
RT: 9.816 min Scan# 1314  
Delta R.T. 0.259 min  
Lab File: BF136970.D  
Acq: 05 Jan 2024 12:13

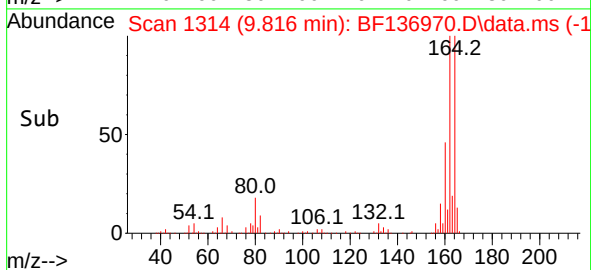
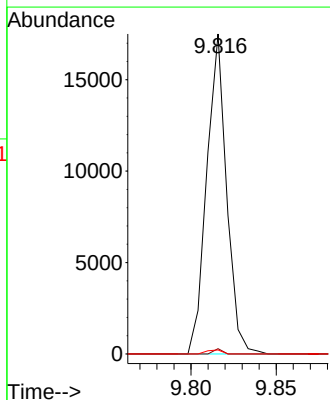
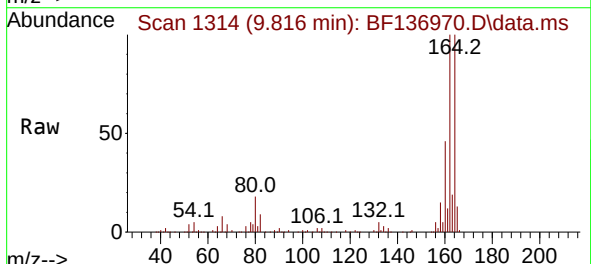
Instrument :  
BNA\_F  
ClientSampleId :

Tgt Ion:163 Resp: 21244  
Ion Ratio Lower Upper  
163 100  
194 0.0 3.3 4.9#  
164 516.9 7.8 11.6#

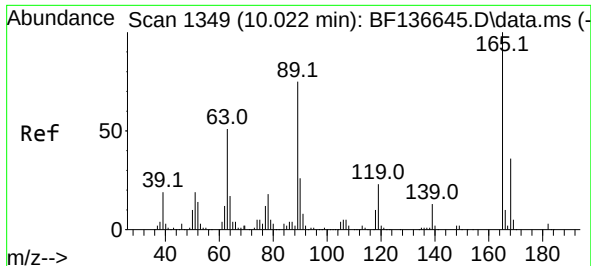


#51  
2,6-Dinitrotoluene  
Concen: 7.689 ng  
RT: 9.816 min Scan# 1314  
Delta R.T. 0.194 min  
Lab File: BF136970.D  
Acq: 05 Jan 2024 12:13

Tgt Ion:165 Resp: 14224  
Ion Ratio Lower Upper  
165 100  
63 1.7 39.8 59.6#  
89 1.2 38.8 58.2#

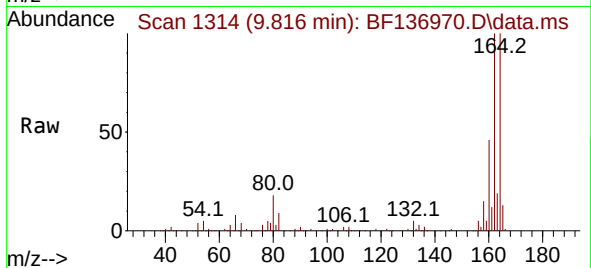




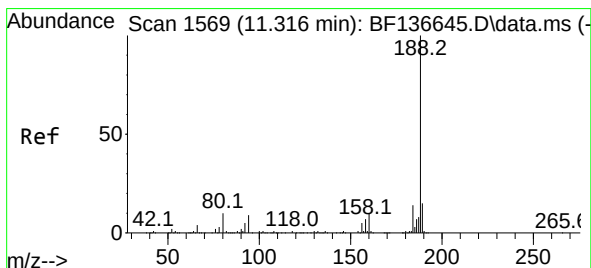
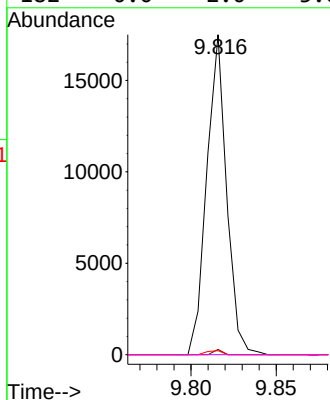
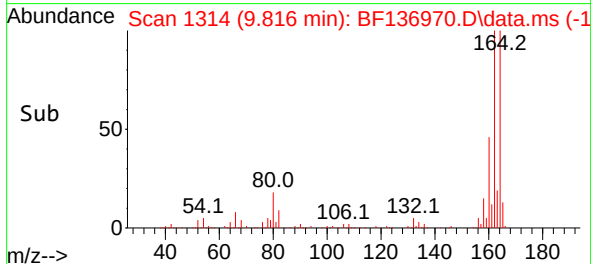


#57  
2,4-Dinitrotoluene  
Concen: 5.923 ng  
RT: 9.816 min Scan# 11  
Delta R.T. -0.206 min  
Lab File: BF136970.D  
Acq: 05 Jan 2024 12:13

Instrument :  
BNA\_F  
ClientSampleId :

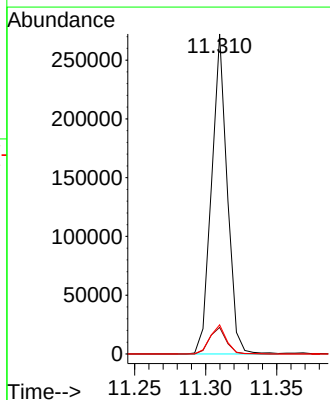
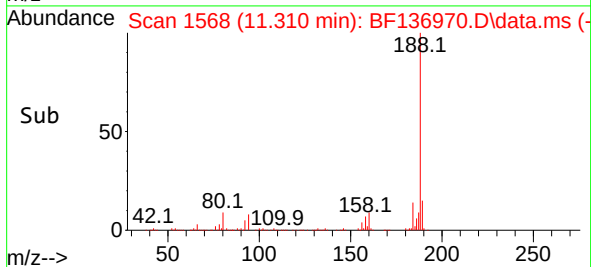
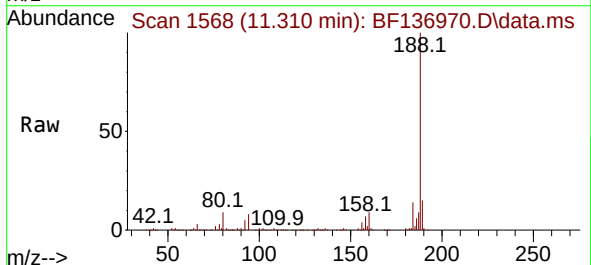


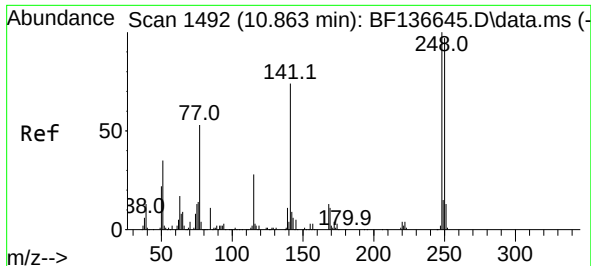
Tgt Ion:165 Resp: 14224  
Ion Ratio Lower Upper  
165 100  
63 1.7 41.0 61.6#  
89 1.2 59.9 89.9#  
182 0.0 2.0 3.0#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.310 min Scan# 1568  
Delta R.T. -0.006 min  
Lab File: BF136970.D  
Acq: 05 Jan 2024 12:13

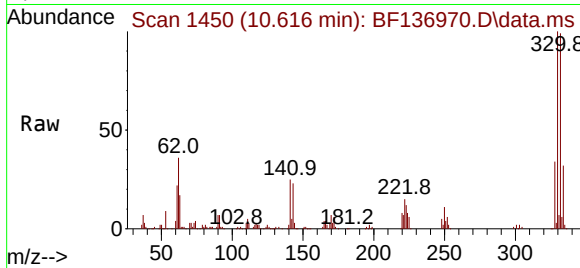
Tgt Ion:188 Resp: 208816  
Ion Ratio Lower Upper  
188 100  
94 8.3 7.5 11.3  
80 9.1 8.1 12.1



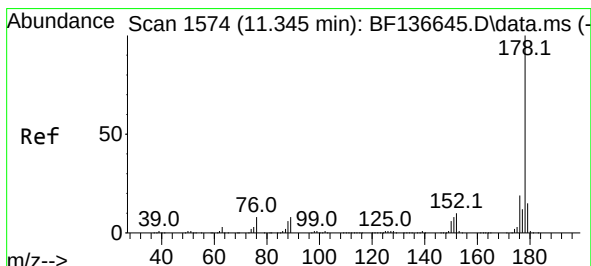
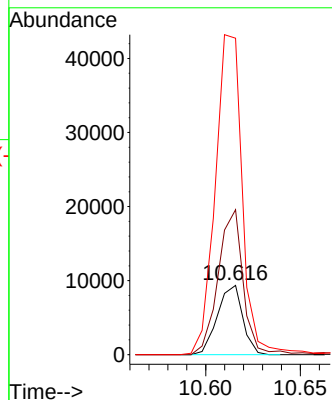
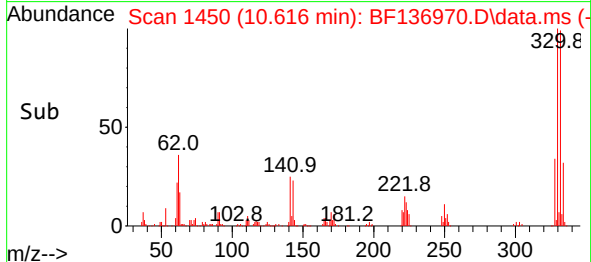


#67  
4-Bromophenyl-phenylether  
Concen: 3.747 ng  
RT: 10.616 min Scan# 1492  
Delta R.T. -0.247 min  
Lab File: BF136970.D  
Acq: 05 Jan 2024 12:13

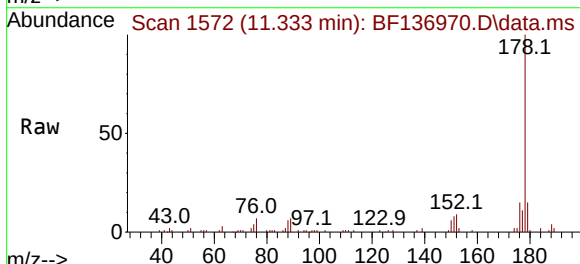
Instrument :  
BNA\_F  
ClientSampleId :



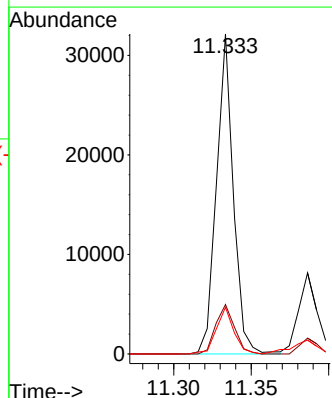
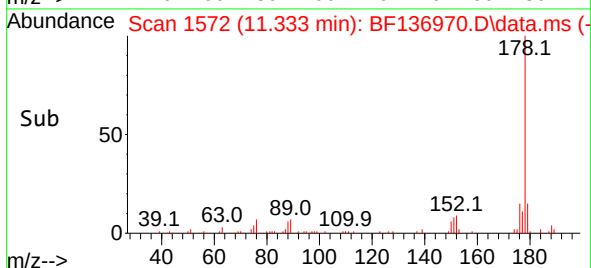
Tgt Ion:248 Resp: 8690  
Ion Ratio Lower Upper  
248 100  
250 209.2 77.8 116.6#  
141 456.9 59.2 88.8#

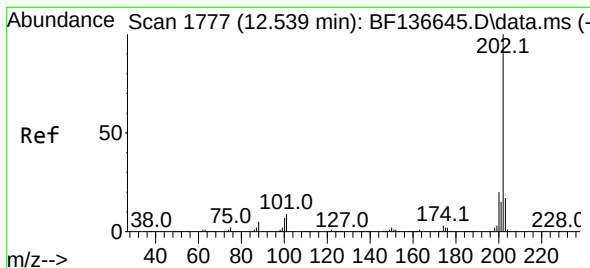


#71  
Phenanthrene  
Concen: 2.275 ng  
RT: 11.333 min Scan# 1572  
Delta R.T. -0.012 min  
Lab File: BF136970.D  
Acq: 05 Jan 2024 12:13



Tgt Ion:178 Resp: 24378  
Ion Ratio Lower Upper  
178 100  
176 15.4 15.3 22.9  
179 14.6 11.9 17.9





#75

Fluoranthene

Concen: 4.616 ng

RT: 12.527 min Scan# 1775

Delta R.T. -0.012 min

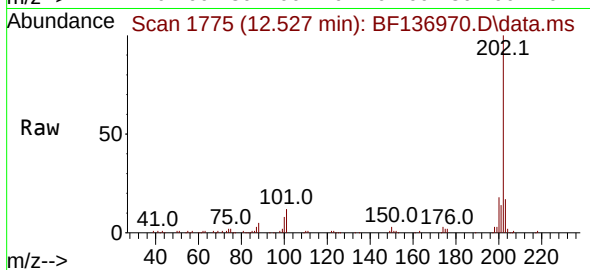
Lab File: BF136970.D

Acq: 05 Jan 2024 12:13

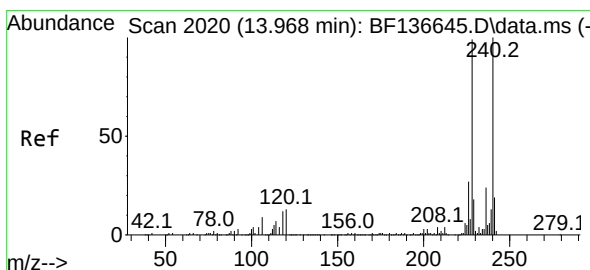
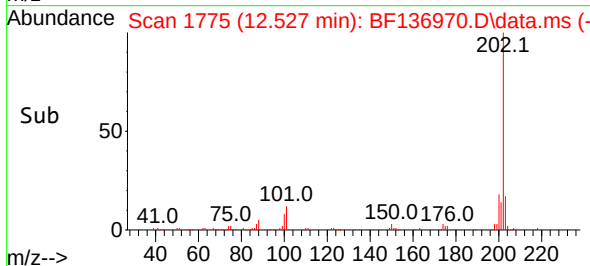
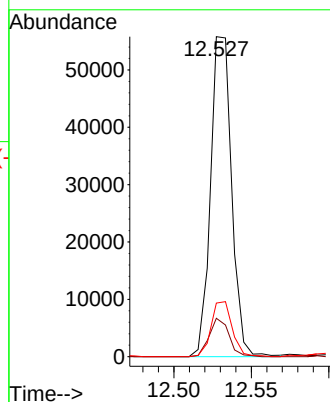
Instrument :

BNA\_F

ClientSampleId :



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 52899 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 12.0  | 0.0   | 29.3  |
| 203       | 16.8  | 0.0   | 37.1  |



#76

Chrysene-d12

Concen: 20.000 ng

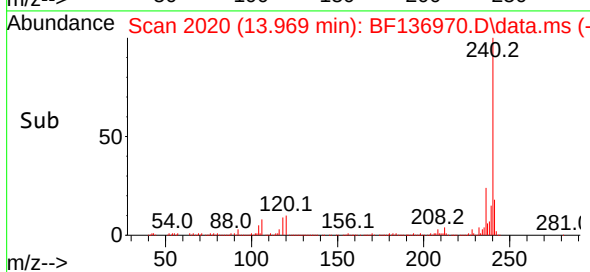
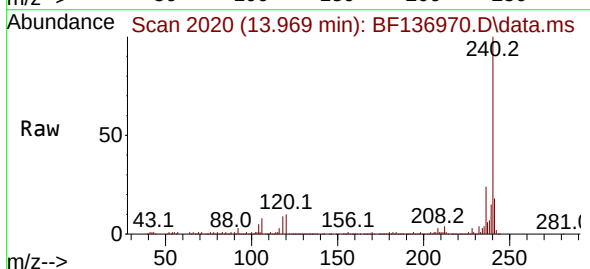
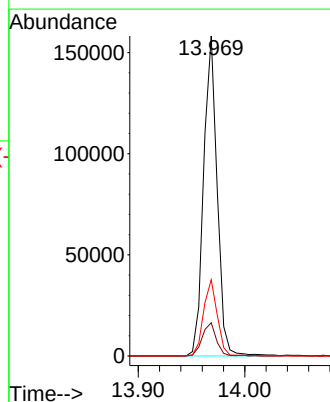
RT: 13.969 min Scan# 2020

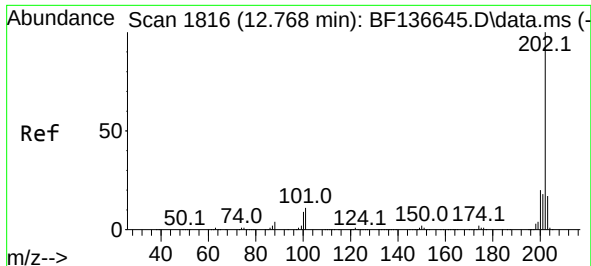
Delta R.T. 0.000 min

Lab File: BF136970.D

Acq: 05 Jan 2024 12:13

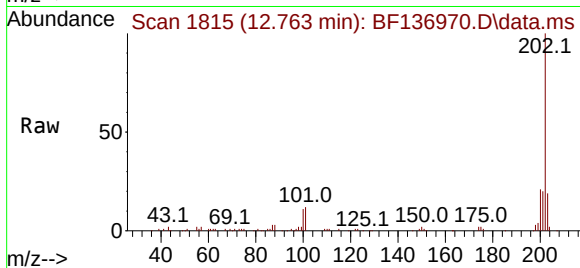
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 240   | Resp: | 140499 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 10.4  | 10.3  | 15.5   |
| 236       | 23.8  | 19.4  | 29.2   |



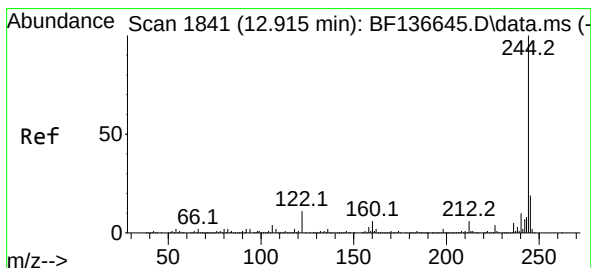
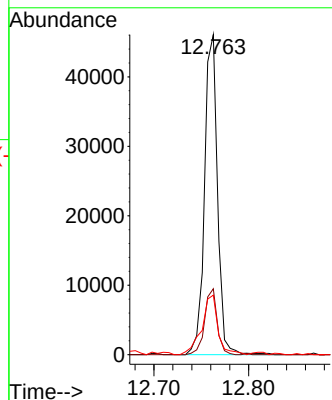
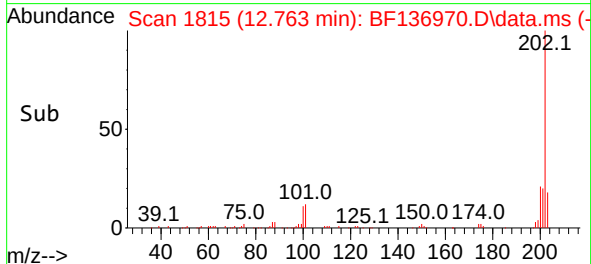


#78  
Pyrene  
Concen: 3.189 ng  
RT: 12.763 min Scan# 1815  
Delta R.T. -0.006 min  
Lab File: BF136970.D  
Acq: 05 Jan 2024 12:13

Instrument :  
BNA\_F  
ClientSampleId :

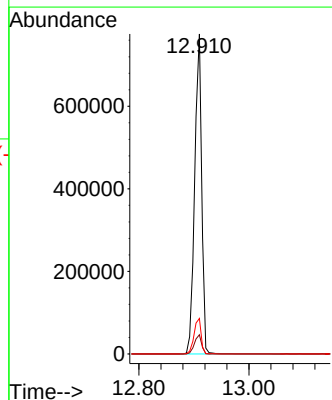
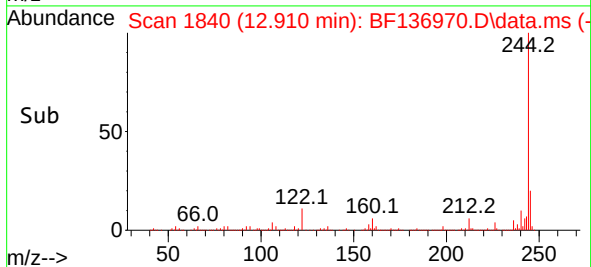
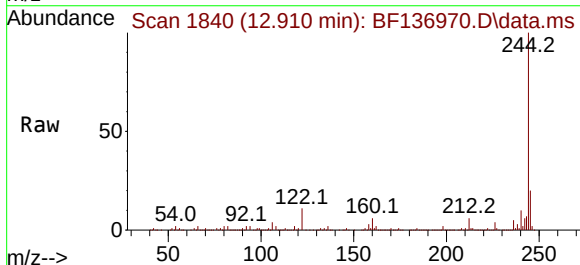


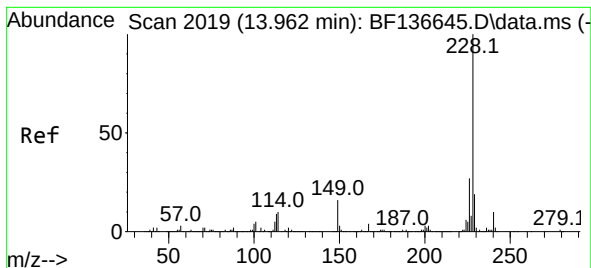
Tgt Ion:202 Resp: 43978  
Ion Ratio Lower Upper  
202 100  
200 20.6 15.9 23.9  
203 18.6 13.8 20.6



#79  
Terphenyl-d14  
Concen: 67.647 ng  
RT: 12.910 min Scan# 1840  
Delta R.T. -0.006 min  
Lab File: BF136970.D  
Acq: 05 Jan 2024 12:13

Tgt Ion:244 Resp: 680109  
Ion Ratio Lower Upper  
244 100  
212 6.0 5.0 7.4  
122 11.1 9.0 13.4





#81

Benzo(a)anthracene

Concen: 2.180 ng

RT: 13.992 min Scan# 2024

Delta R.T. 0.030 min

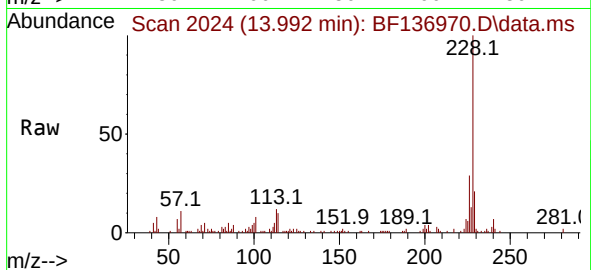
Lab File: BF136970.D

Acq: 05 Jan 2024 12:13

Instrument :

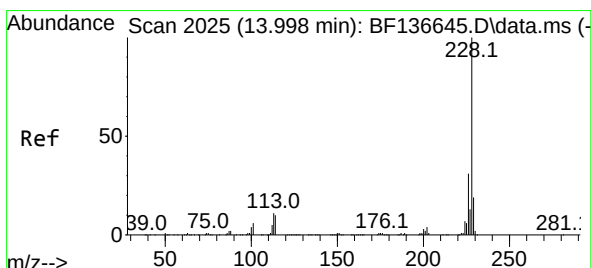
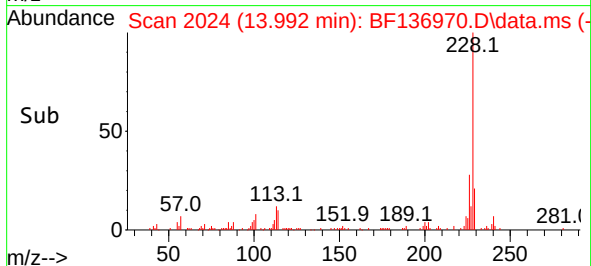
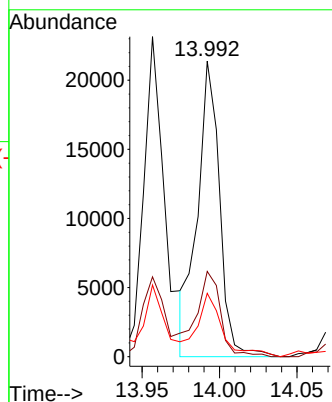
BNA\_F

ClientSampleId :



Tgt Ion:228 Resp: 21272

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 28.9  | 21.4  | 32.0  |
| 229 | 21.4  | 14.9  | 22.3  |



#83

Chrysene

Concen: 2.230 ng

RT: 13.992 min Scan# 2024

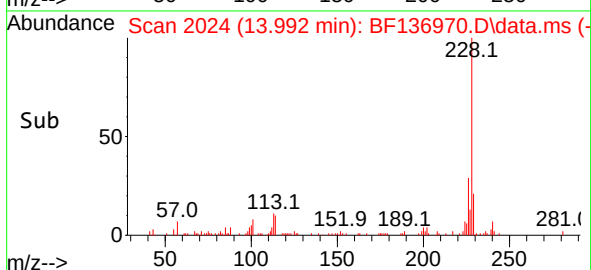
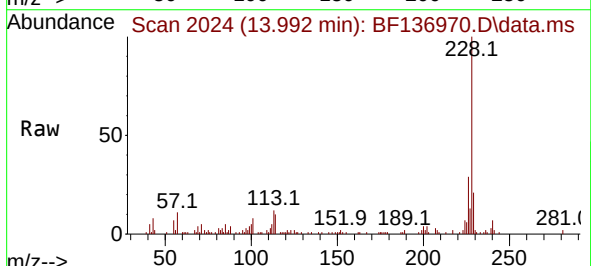
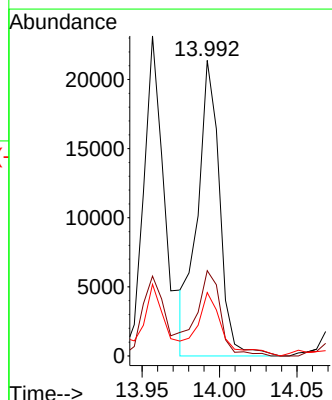
Delta R.T. -0.006 min

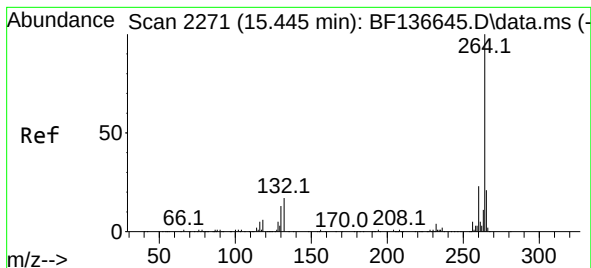
Lab File: BF136970.D

Acq: 05 Jan 2024 12:13

Tgt Ion:228 Resp: 21272

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 28.9  | 24.7  | 37.1  |
| 229 | 21.4  | 15.4  | 23.0  |





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.457 min Scan# 2199

Delta R.T. 0.012 min

Lab File: BF136970.D

Acq: 05 Jan 2024 12:13

Instrument :

BNA\_F

ClientSampleId :

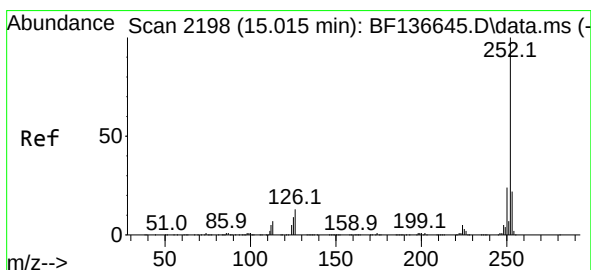
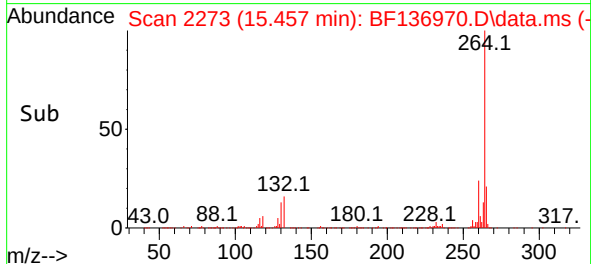
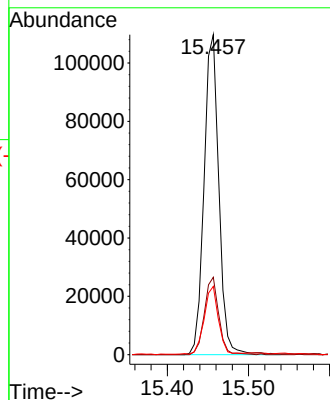
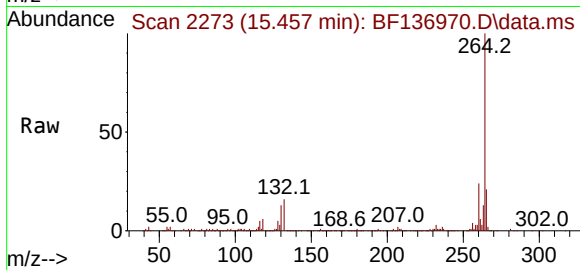
Tgt Ion:264 Resp: 138700

Ion Ratio Lower Upper

264 100

260 24.2 18.3 27.5

265 21.4 17.0 25.6



#88

Benzo(b)fluoranthene

Concen: 3.706 ng

RT: 15.021 min Scan# 2199

Delta R.T. 0.006 min

Lab File: BF136970.D

Acq: 05 Jan 2024 12:13

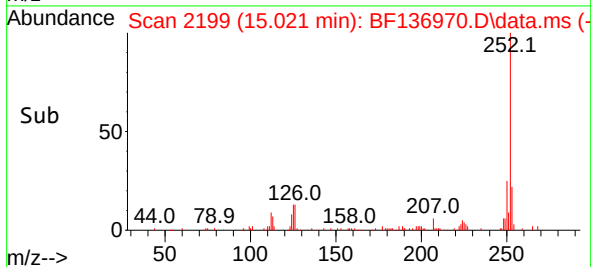
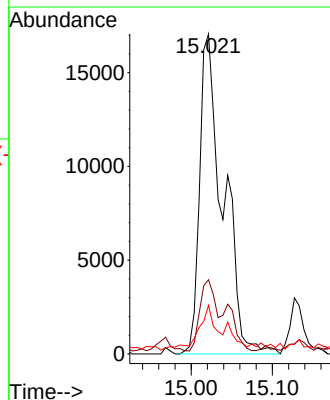
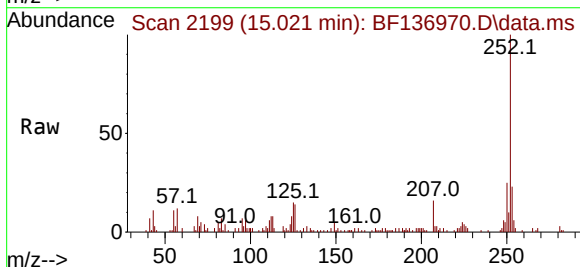
Tgt Ion:252 Resp: 34335

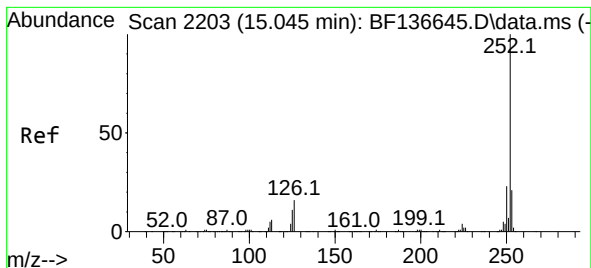
Ion Ratio Lower Upper

252 100

253 23.2 17.4 26.0

125 15.2 7.4 11.2#





#89

Benzo(k)fluoranthene

Concen: 3.922 ng

RT: 15.021 min Scan# 2199

Delta R.T. -0.023 min

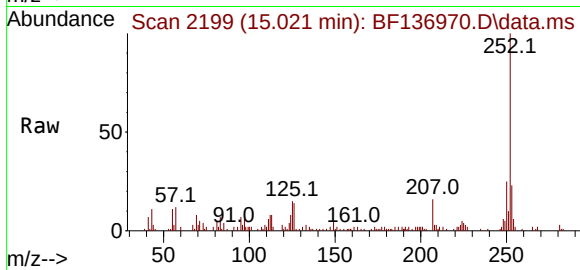
Lab File: BF136970.D

Acq: 05 Jan 2024 12:13

Instrument :

BNA\_F

ClientSampleId :



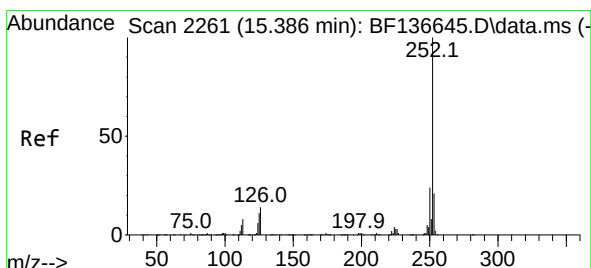
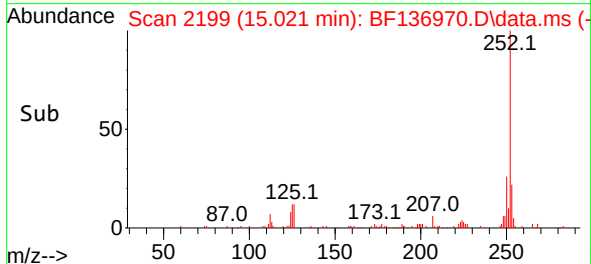
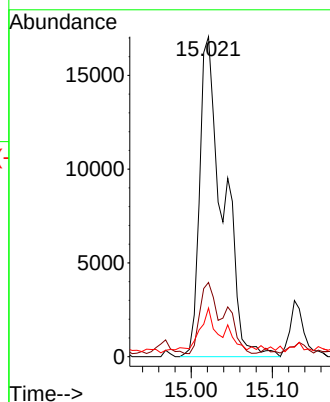
Tgt Ion:252 Resp: 34335

Ion Ratio Lower Upper

252 100

253 23.2 17.0 25.6

125 15.2 8.2 12.4#



#90

Benzo(a)pyrene

Concen: 2.187 ng

RT: 15.392 min Scan# 2262

Delta R.T. 0.006 min

Lab File: BF136970.D

Acq: 05 Jan 2024 12:13

Tgt Ion:252 Resp: 17100

Ion Ratio Lower Upper

252 100

253 20.6 17.0 25.6

125 11.7 8.8 13.2

