

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF110322\  
 Data File : BF130976.D  
 Acq On : 04 Nov 2022 00:06  
 Operator : CG\JU  
 Sample : N5418-04  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-K

Quant Time: Nov 04 06:24:48 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF102722.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 04 06:20:24 2022  
 Response via : Initial Calibration

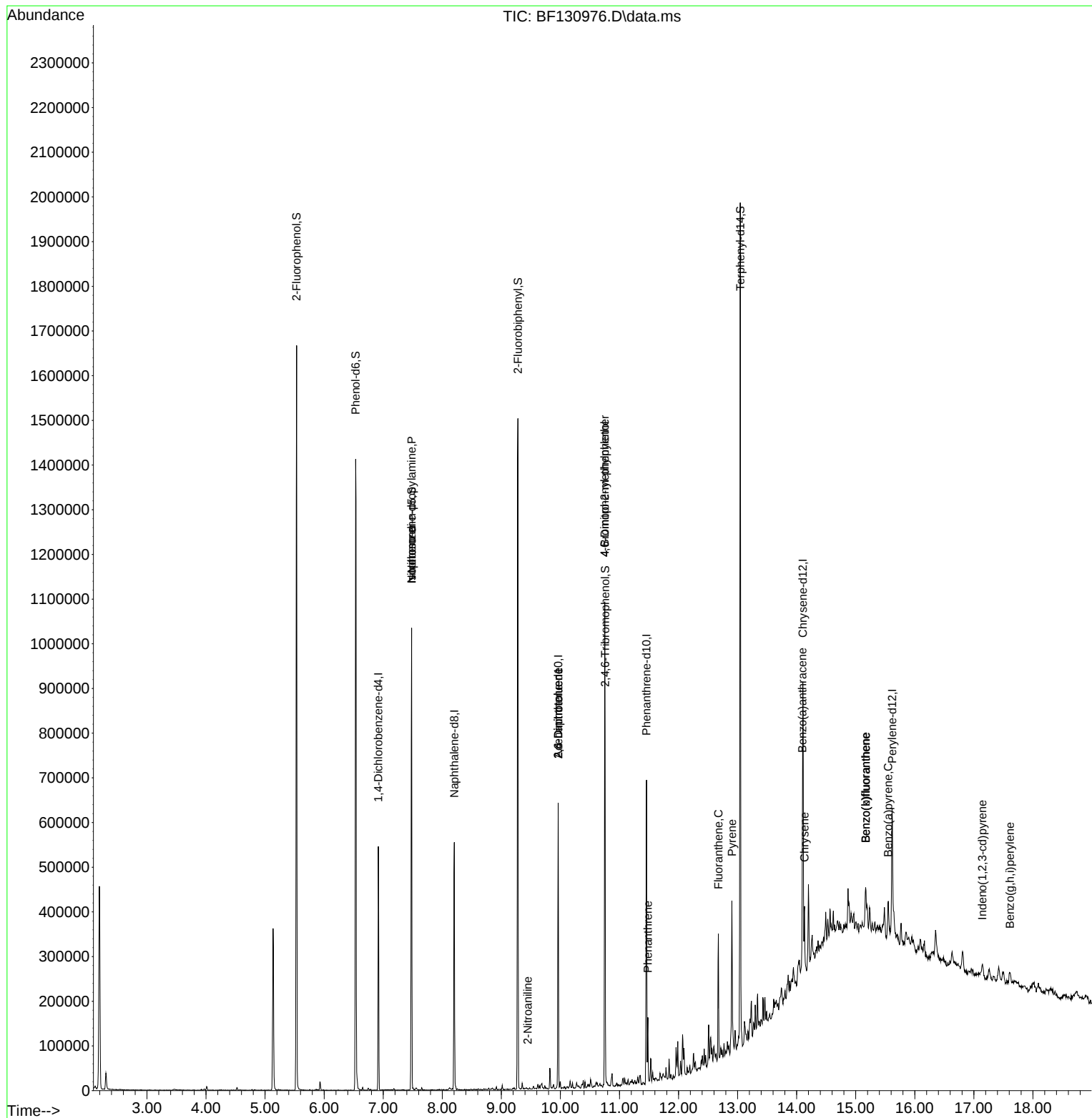
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.916  | 152  | 69469    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.204  | 136  | 230746   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.963  | 164  | 112915   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.457 | 188  | 224578   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.104 | 240  | 208647   | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12              | 15.615 | 264  | 135492   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.534  | 112  | 395354   | 98.661  | ng    | 0.00     |
| 7) Phenol-d6                  | 6.534  | 99   | 463642   | 89.036  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.481  | 82   | 288799   | 75.469  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.757 | 330  | 112583   | 118.444 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.281  | 172  | 461831   | 61.837  | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.045 | 244  | 593010   | 52.081  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
| 19) n-Nitroso-di-n-propyla... | 7.481  | 70   | 39382    | 11.115  | ng    | # 74     |
| 25) Isophorone                | 7.481  | 82   | 288793   | 36.597  | ng    | # 66     |
| 48) 2-Nitroaniline            | 9.445  | 65   | 113      | 4.197   | ng    | # 12     |
| 51) 2,6-Dinitrotoluene        | 9.963  | 165  | 15109    | 12.441  | ng    | # 14     |
| 57) 2,4-Dinitrotoluene        | 9.963  | 165  | 15109    | 11.233  | ng    | # 20     |
| 65) 4,6-Dinitro-2-methylph... | 10.751 | 198  | 228      | 8.131   | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.751 | 248  | 6943     | 3.074   | ng    | # 1      |
| 71) Phenanthrene              | 11.480 | 178  | 48531    | 4.187   | ng    | 97       |
| 75) Fluoranthene              | 12.675 | 202  | 101195   | 8.217   | ng    | 98       |
| 78) Pyrene                    | 12.904 | 202  | 126066   | 7.162   | ng    | 99       |
| 81) Benzo(a)anthracene        | 14.098 | 228  | 62901    | 4.547   | ng    | # 83     |
| 83) Chrysene                  | 14.133 | 228  | 66267    | 4.966   | ng    | # 94     |
| 87) Indeno(1,2,3-cd)pyrene    | 17.145 | 276  | 20670    | 2.297   | ng    | # 92     |
| 88) Benzo(b)fluoranthene      | 15.168 | 252  | 66993    | 7.649   | ng    | # 88     |
| 89) Benzo(k)fluoranthene      | 15.168 | 252  | 66993    | 7.850   | ng    | # 89     |
| 90) Benzo(a)pyrene            | 15.551 | 252  | 37889    | 5.381   | ng    | # 87     |
| 92) Benzo(g,h,i)perylene      | 17.609 | 276  | 21584    | 2.884   | ng    | # 89     |

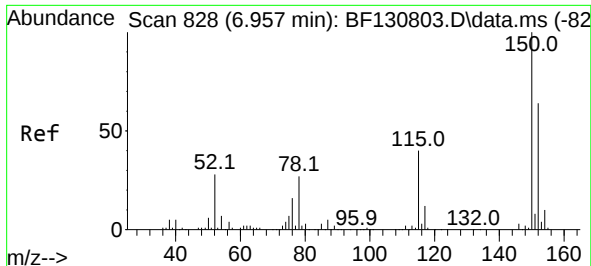
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF110322\  
Data File : BF130976.D  
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Quant Time: Nov 04 06:24:48 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF102722.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Nov 04 06:20:24 2022  
Response via : Initial Calibration

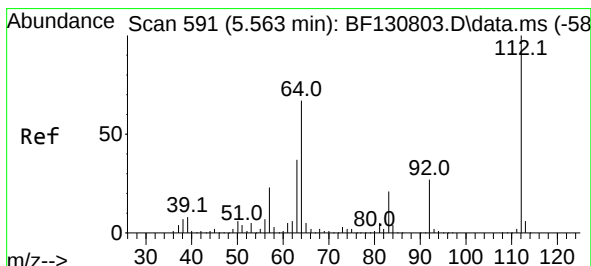
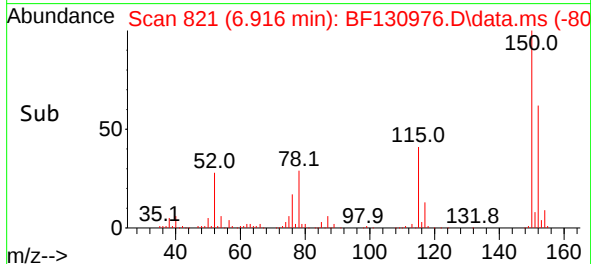
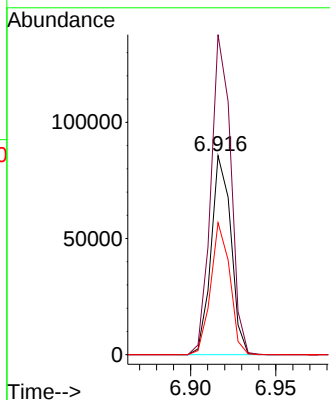
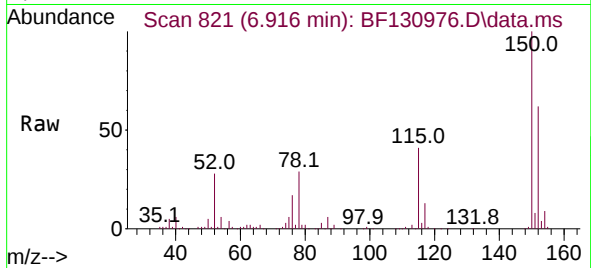




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.916 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: BF130976.D  
Acq: 04 Nov 2022 00:06

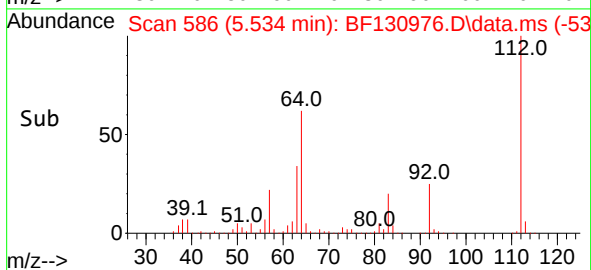
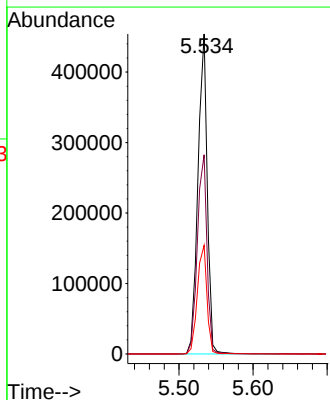
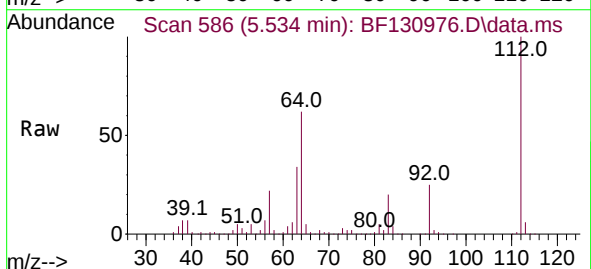
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BNA\_F  
ClientSampleId :  
TP-K

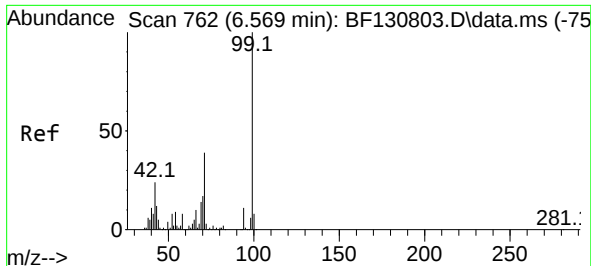
Tgt Ion:152 Resp: 69469  
Ion Ratio Lower Upper  
152 100  
150 160.8 124.1 186.1  
115 66.3 50.1 75.1



#5  
2-Fluorophenol  
Concen: 98.661 ng  
RT: 5.534 min Scan# 586  
Delta R.T. 0.006 min  
Lab File: BF130976.D  
Acq: 04 Nov 2022 00:06

Tgt Ion:112 Resp: 395354  
Ion Ratio Lower Upper  
112 100  
64 62.2 53.9 80.9  
63 34.0 29.4 44.2

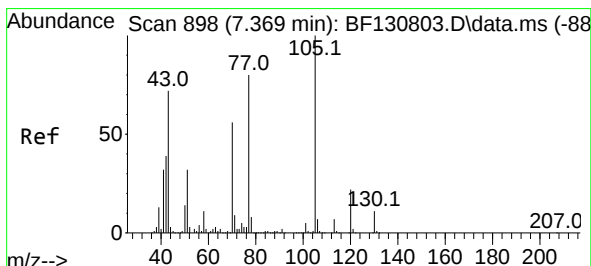
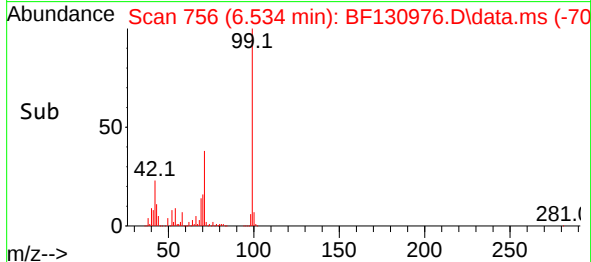
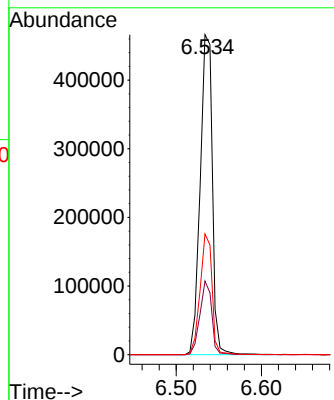
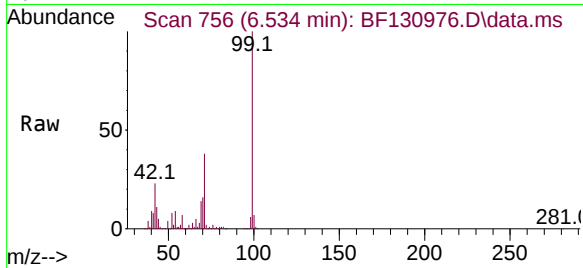




#7  
Phenol-d6  
Concen: 89.036 ng  
RT: 6.534 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF130976.D  
Acq: 04 Nov 2022 00:06

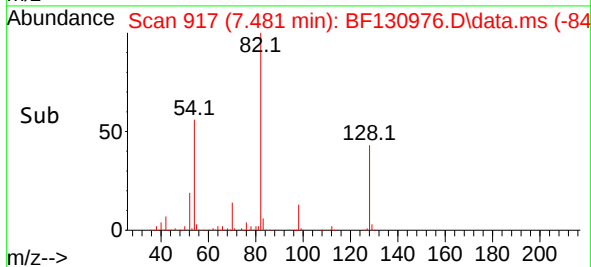
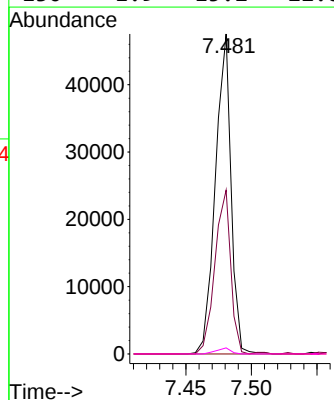
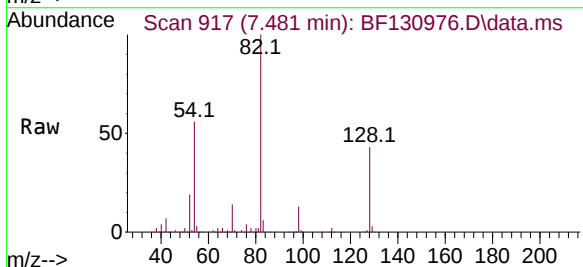
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BNA\_F  
ClientSampleId :  
TP-K

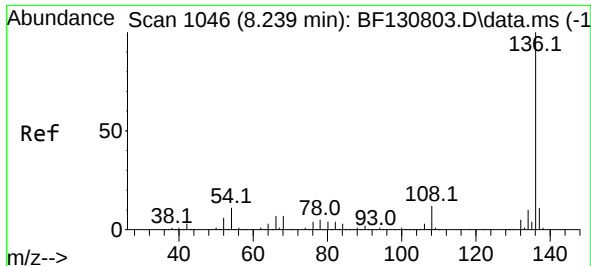
Tgt Ion: 99 Resp: 463642  
Ion Ratio Lower Upper  
99 100  
42 23.0 18.8 28.2  
71 37.7 31.4 47.0



#19  
n-Nitroso-di-n-propylamine  
Concen: 11.115 ng  
RT: 7.481 min Scan# 917  
Delta R.T. 0.153 min  
Lab File: BF130976.D  
Acq: 04 Nov 2022 00:06

Tgt Ion: 70 Resp: 39382  
Ion Ratio Lower Upper  
70 100  
42 51.2 56.1 84.1#  
101 0.0 7.3 10.9#  
130 1.9 15.2 22.8#

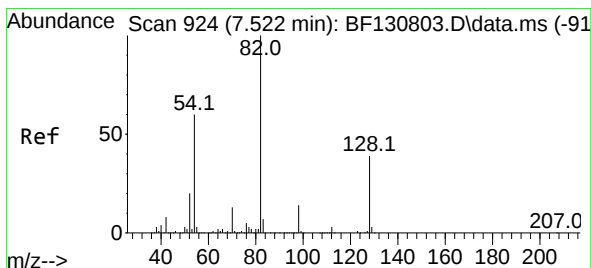
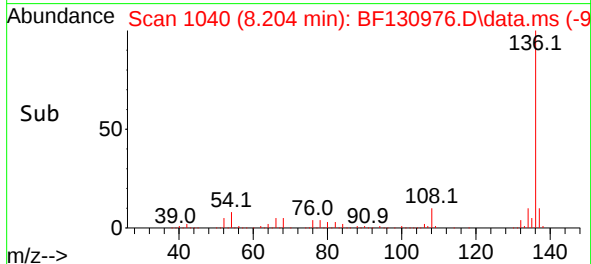
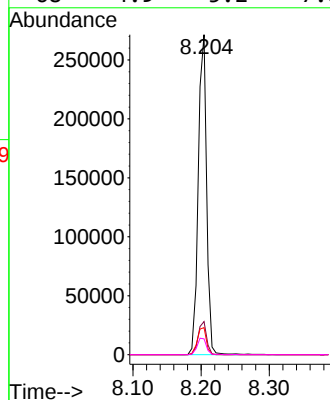
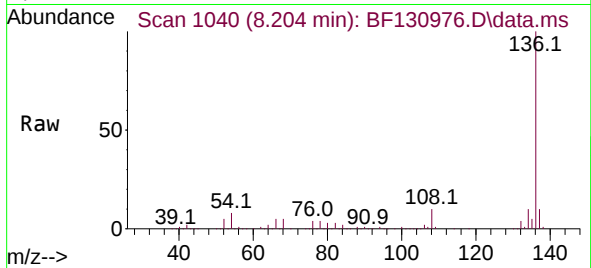




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.204 min Scan# 1040  
Delta R.T. 0.000 min  
Lab File: BF130976.D  
Acq: 04 Nov 2022 00:06

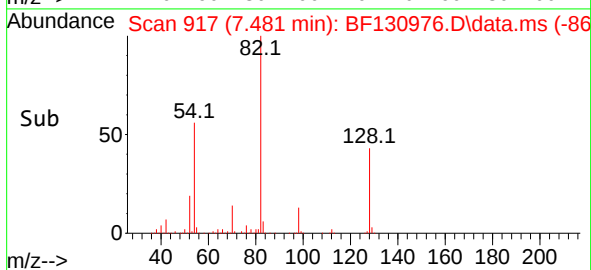
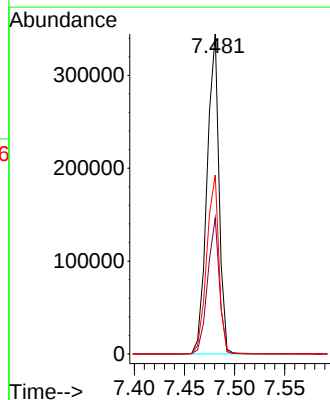
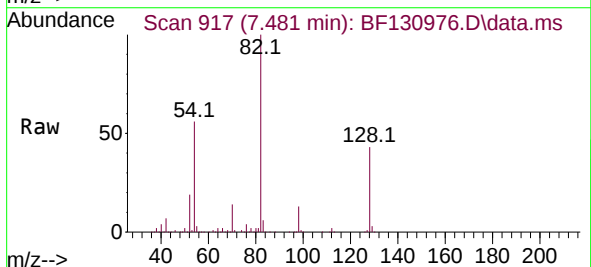
Instrument :  
BNA\_F  
ClientSampleId :  
TP-K

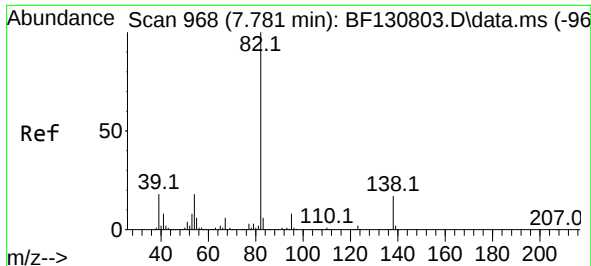
Tgt Ion:136 Resp: 230746  
Ion Ratio Lower Upper  
136 100  
137 10.3 9.2 13.8  
54 8.4 8.8 13.2#  
68 4.9 5.2 7.8#



#23  
Nitrobenzene-d5  
Concen: 75.469 ng  
RT: 7.481 min Scan# 917  
Delta R.T. -0.006 min  
Lab File: BF130976.D  
Acq: 04 Nov 2022 00:06

Tgt Ion: 82 Resp: 288799  
Ion Ratio Lower Upper  
82 100  
128 42.5 31.2 46.8  
54 55.9 48.0 72.0

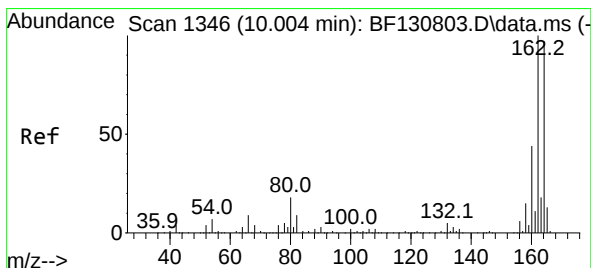
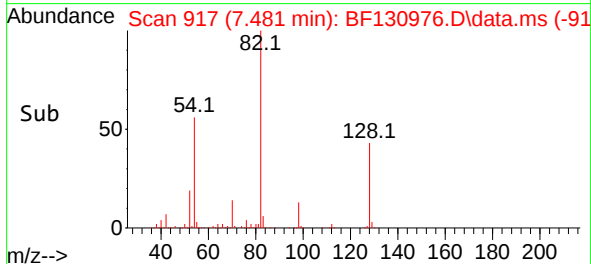
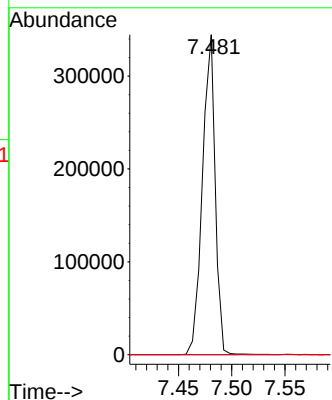
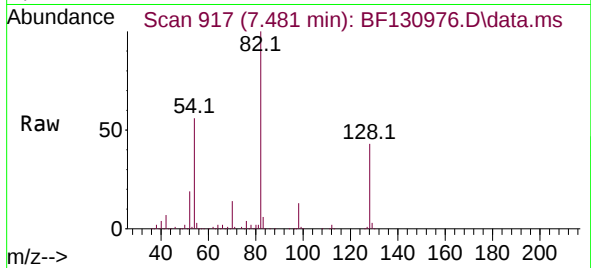




#25  
Isophorone  
Concen: 36.597 ng  
RT: 7.481 min Scan# 91  
Delta R.T. -0.259 min  
Lab File: BF130976.D  
Acq: 04 Nov 2022 00:06

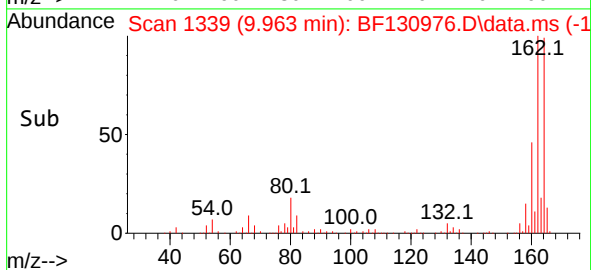
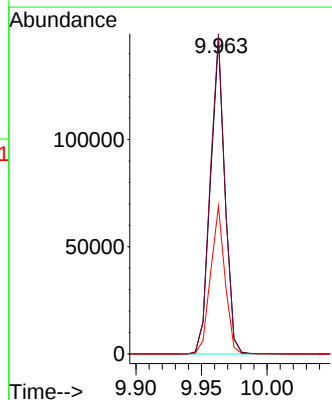
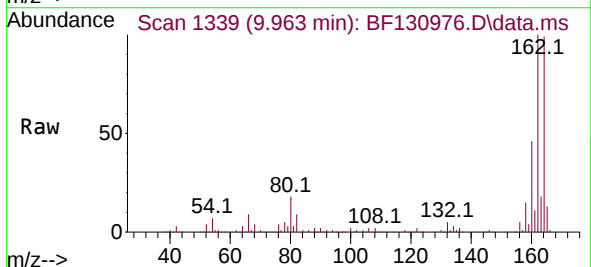
Instrument :  
BNA\_F  
ClientSampleId :  
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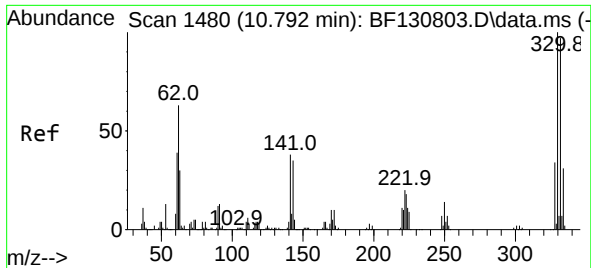
Tgt Ion: 82 Resp: 288793  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.2 9.4#  
138 0.0 13.8 20.6#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.963 min Scan# 1339  
Delta R.T. 0.000 min  
Lab File: BF130976.D  
Acq: 04 Nov 2022 00:06

Tgt Ion:164 Resp: 112915  
Ion Ratio Lower Upper  
164 100  
162 101.3 82.2 123.2  
160 46.8 36.6 54.8

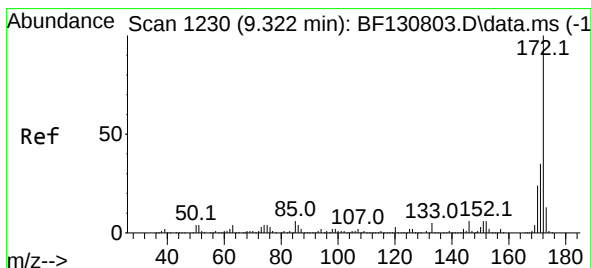
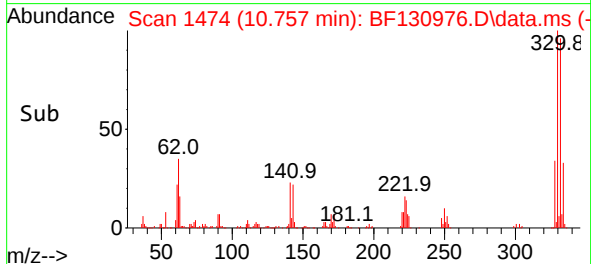
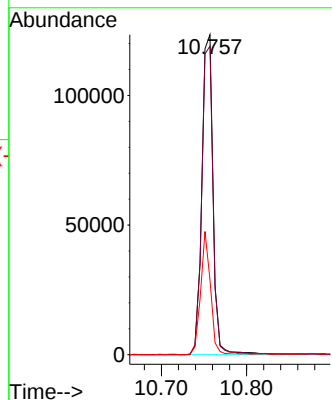
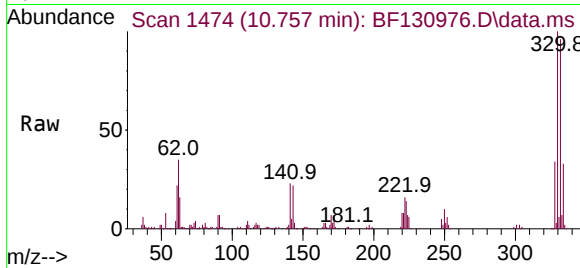




#42  
2,4,6-Tribromophenol  
Concen: 118.444 ng  
RT: 10.757 min Scan# 1480  
Delta R.T. 0.000 min  
Lab File: BF130976.D  
Acq: 04 Nov 2022 00:06

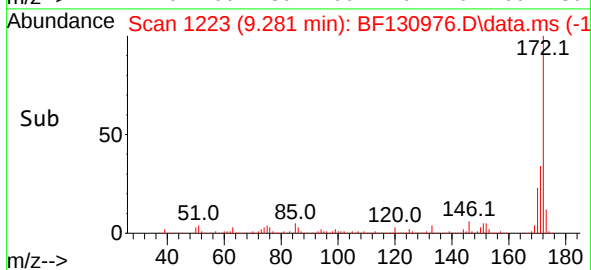
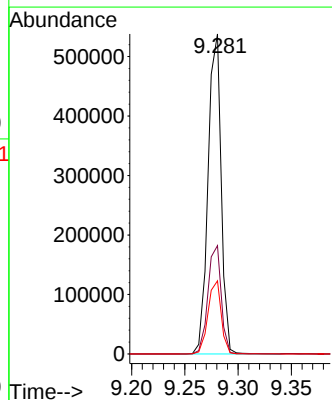
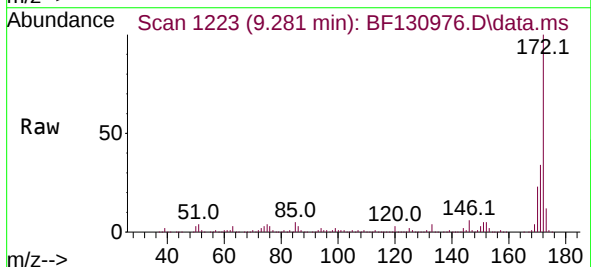
Instrument :  
BNA\_F  
ClientSampleId :  
TP-K

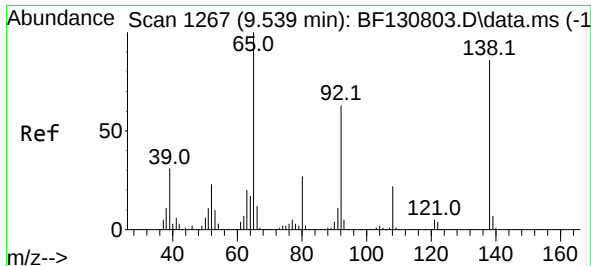
Tgt Ion:330 Resp: 112583  
Ion Ratio Lower Upper  
330 100  
332 97.3 76.2 114.4  
141 34.4 31.4 47.0



#45  
2-Fluorobiphenyl  
Concen: 61.837 ng  
RT: 9.281 min Scan# 1223  
Delta R.T. 0.000 min  
Lab File: BF130976.D  
Acq: 04 Nov 2022 00:06

Tgt Ion:172 Resp: 461831  
Ion Ratio Lower Upper  
172 100  
171 33.8 28.1 42.1  
170 22.8 19.0 28.4

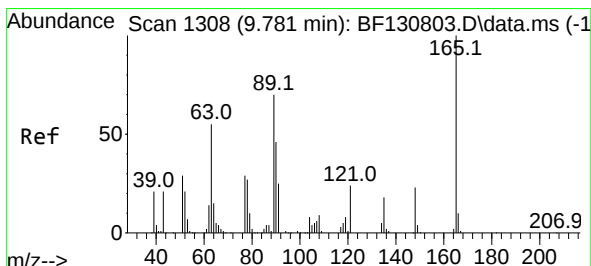
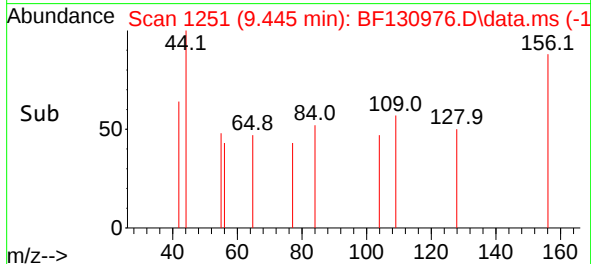
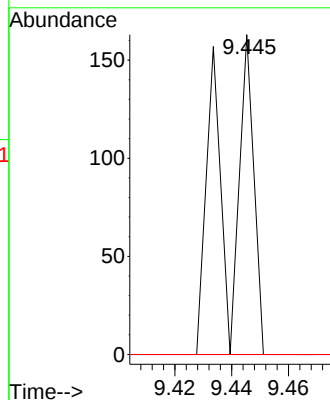
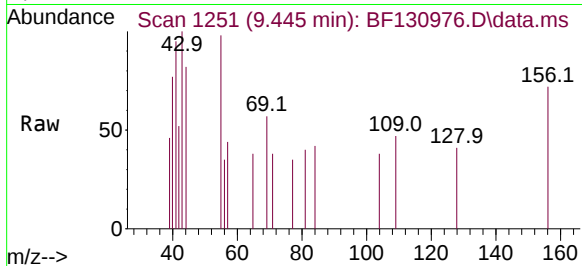




#48  
2-Nitroaniline  
Concen: 4.197 ng  
RT: 9.445 min Scan# 113  
Delta R.T. -0.059 min  
Lab File: BF130976.D  
Acq: 04 Nov 2022 00:06

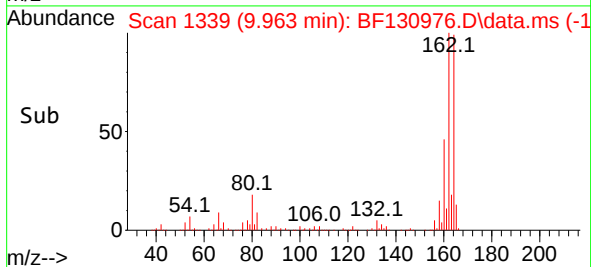
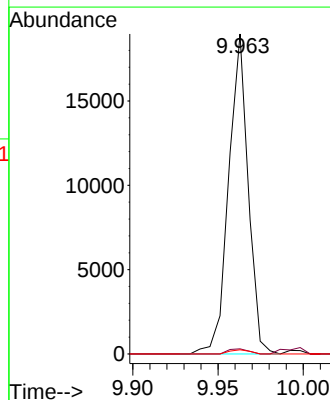
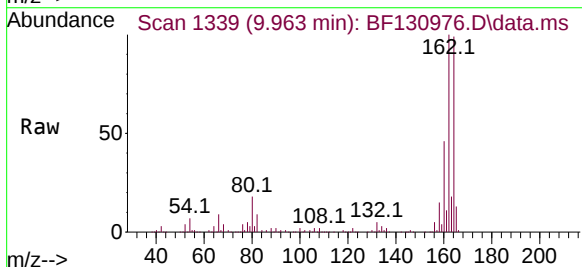
Instrument :  
BNA\_F  
ClientSampleId :  
TP-K

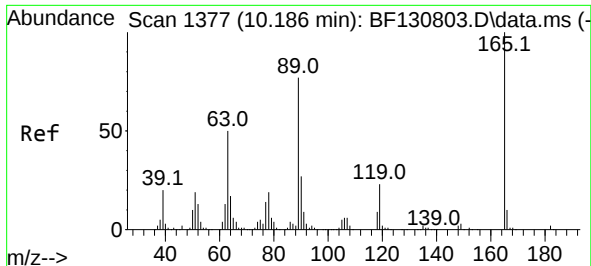
Tgt Ion: 65 Resp: 113  
Ion Ratio Lower Upper  
65 100  
92 0.0 50.1 75.1#  
138 0.0 69.2 103.8#



#51  
2,6-Dinitrotoluene  
Concen: 12.441 ng  
RT: 9.963 min Scan# 1339  
Delta R.T. 0.218 min  
Lab File: BF130976.D  
Acq: 04 Nov 2022 00:06

Tgt Ion: 165 Resp: 15109  
Ion Ratio Lower Upper  
165 100  
63 1.6 61.8 92.8#  
89 1.3 56.2 84.4#

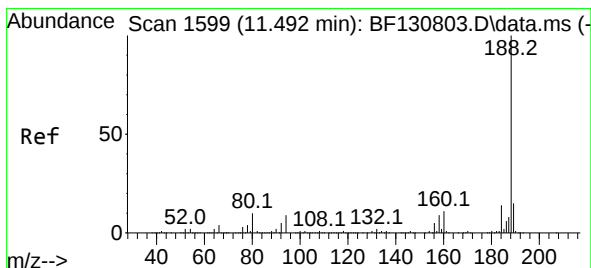
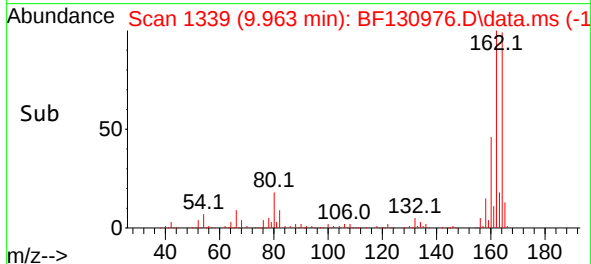
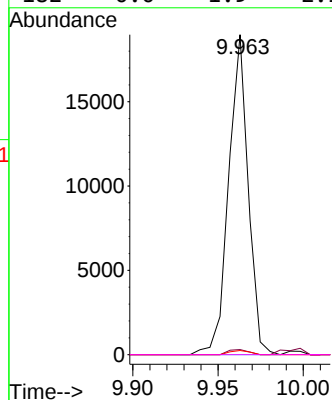
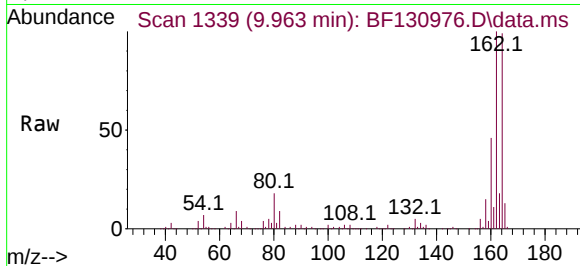




#57  
2,4-Dinitrotoluene  
Concen: 11.233 ng  
RT: 9.963 min Scan# 11  
Delta R.T. -0.188 min  
Lab File: BF130976.D  
Acq: 04 Nov 2022 00:06

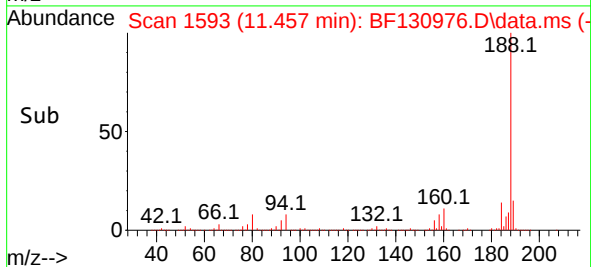
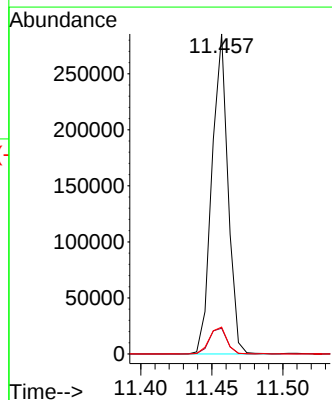
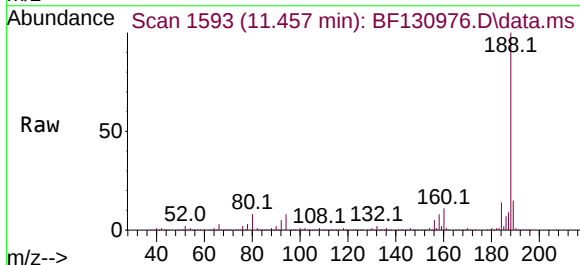
Instrument :  
BNA\_F  
ClientSampleId :  
TP-K

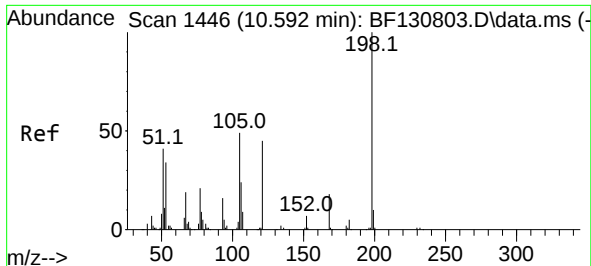
Tgt Ion:165 Resp: 15109  
Ion Ratio Lower Upper  
165 100  
63 1.6 39.8 59.6#  
89 1.3 61.9 92.9#  
182 0.0 1.9 2.9#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.457 min Scan# 1593  
Delta R.T. 0.000 min  
Lab File: BF130976.D  
Acq: 04 Nov 2022 00:06

Tgt Ion:188 Resp: 224578  
Ion Ratio Lower Upper  
188 100  
94 8.1 7.4 11.2  
80 8.4 8.0 12.0





#65

4,6-Dinitro-2-methylphenol

Concen: 8.131 ng

RT: 10.751 min Scan# 1446

Delta R.T. 0.188 min

Lab File: BF130976.D

Acq: 04 Nov 2022 00:06

Instrument :

BNA\_F

ClientSampleId :

TP-K

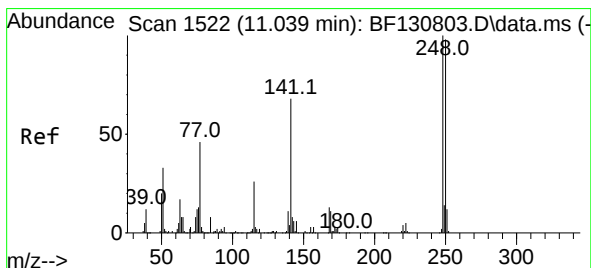
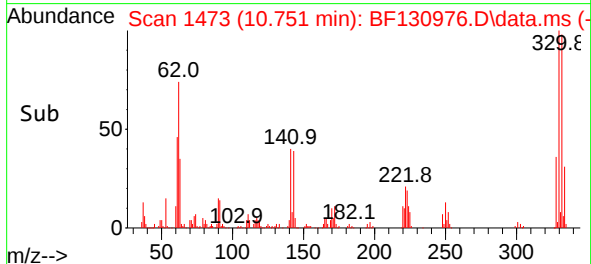
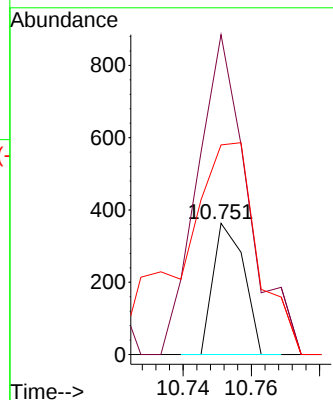
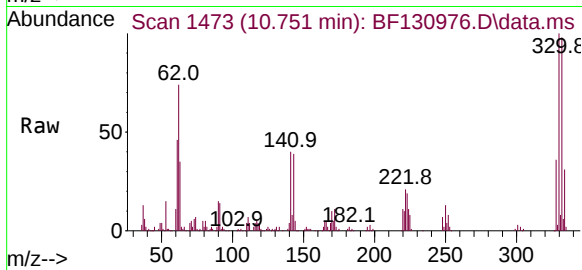
Tgt Ion:198 Resp: 228

Ion Ratio Lower Upper

198 100

51 243.8 39.0 79.0#

105 159.8 30.6 70.6#



#67

4-Bromophenyl-phenylether

Concen: 3.074 ng

RT: 10.751 min Scan# 1473

Delta R.T. -0.247 min

Lab File: BF130976.D

Acq: 04 Nov 2022 00:06

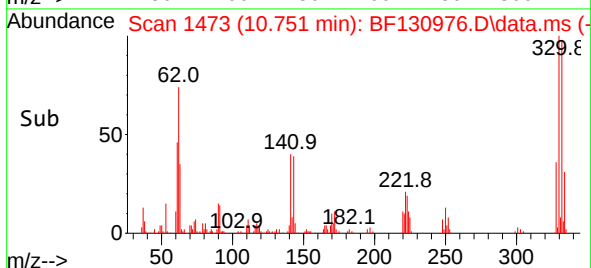
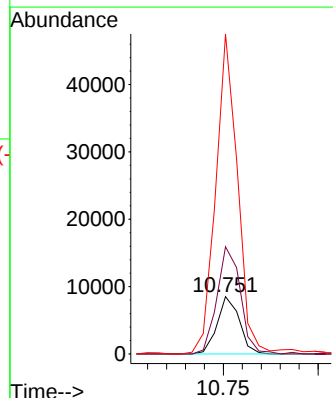
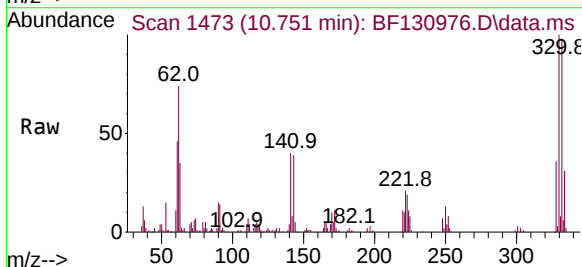
Tgt Ion:248 Resp: 6943

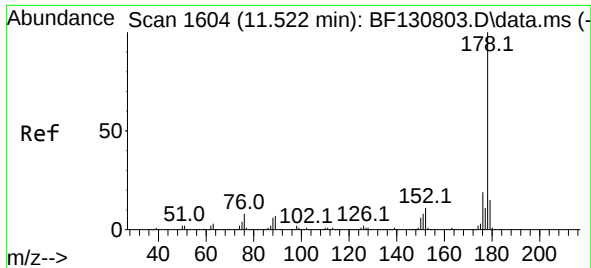
Ion Ratio Lower Upper

248 100

250 186.8 78.6 117.8#

141 557.9 54.2 81.4#

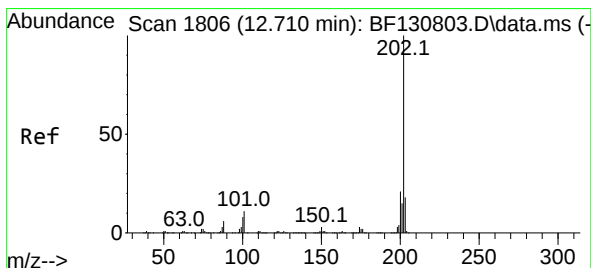
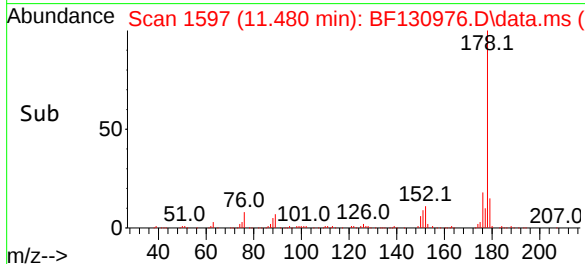
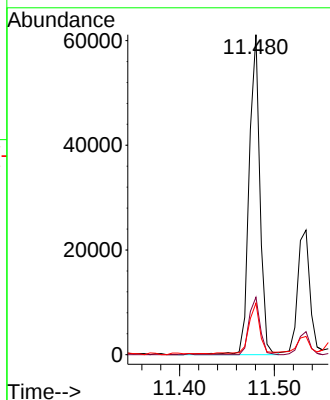
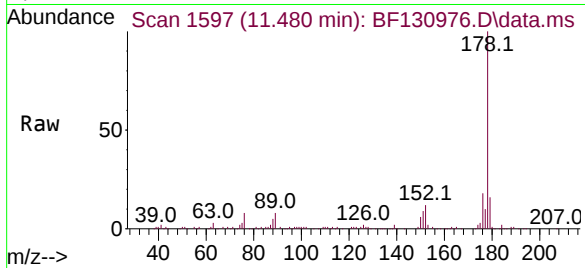




#71  
Phenanthrene  
Concen: 4.187 ng  
RT: 11.480 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF130976.D  
Acq: 04 Nov 2022 00:06

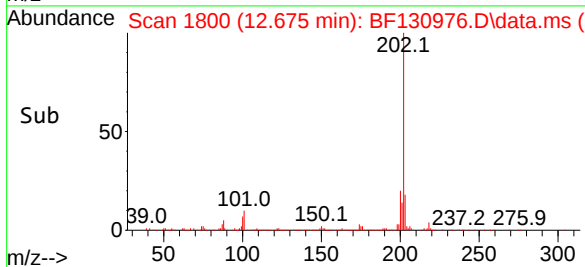
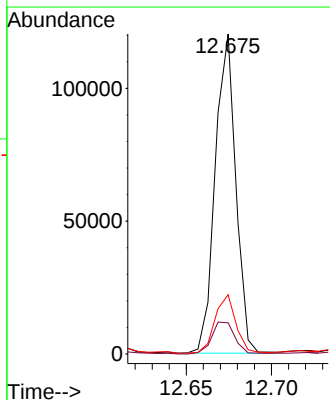
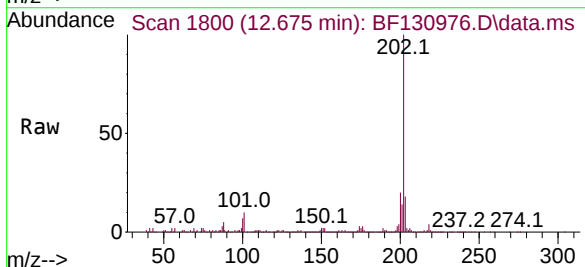
Instrument :  
BNA\_F  
ClientSampleId :  
TP-K

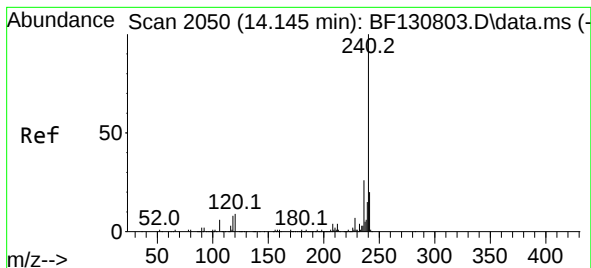
Tgt Ion:178 Resp: 48531  
Ion Ratio Lower Upper  
178 100  
176 18.0 15.5 23.3  
179 16.1 12.2 18.2



#75  
Fluoranthene  
Concen: 8.217 ng  
RT: 12.675 min Scan# 1800  
Delta R.T. 0.000 min  
Lab File: BF130976.D  
Acq: 04 Nov 2022 00:06

Tgt Ion:202 Resp: 101195  
Ion Ratio Lower Upper  
202 100  
101 9.7 0.0 30.9  
203 18.5 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.104 min Scan# 2050

Delta R.T. 0.000 min

Lab File: BF130976.D

Acq: 04 Nov 2022 00:06

Instrument :

BNA\_F

ClientSampleId :

TP-K

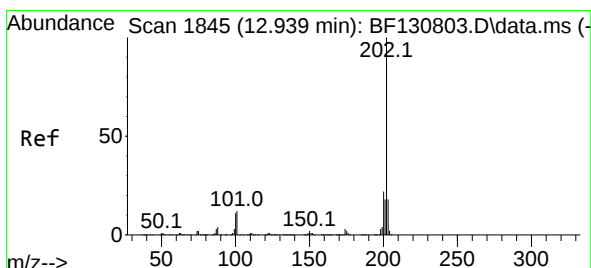
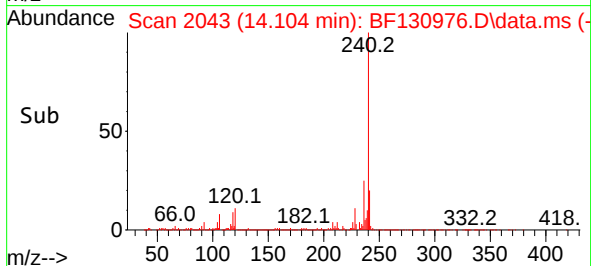
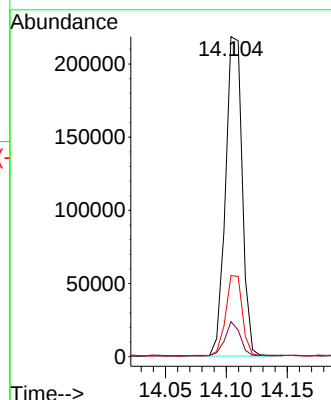
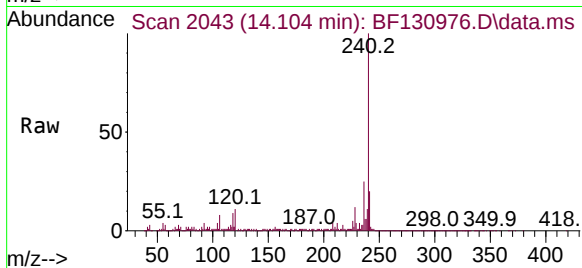
Tgt Ion:240 Resp: 208647

Ion Ratio Lower Upper

240 100

120 10.9 7.0 10.4#

236 25.3 20.5 30.7



#78

Pyrene

Concen: 7.162 ng

RT: 12.904 min Scan# 1839

Delta R.T. 0.000 min

Lab File: BF130976.D

Acq: 04 Nov 2022 00:06

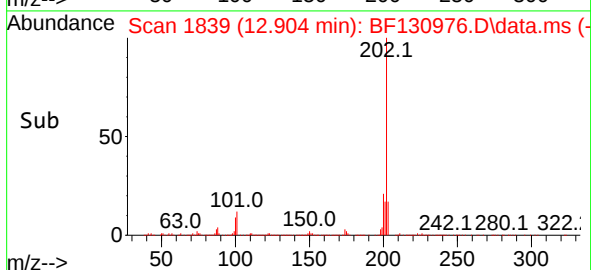
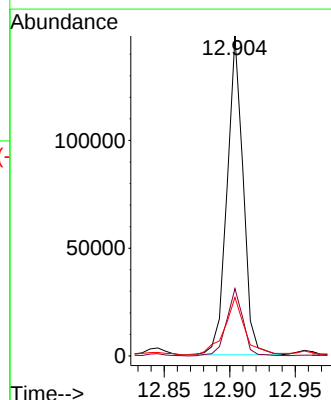
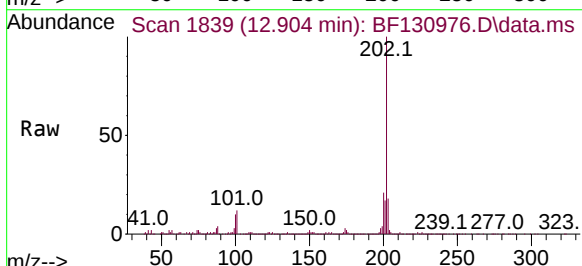
Tgt Ion:202 Resp: 126066

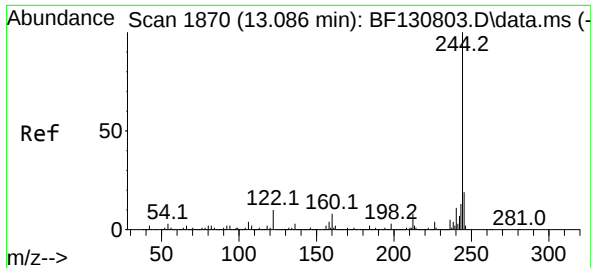
Ion Ratio Lower Upper

202 100

200 21.0 17.2 25.8

203 18.3 14.5 21.7

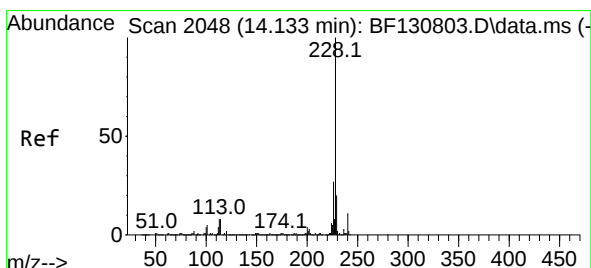
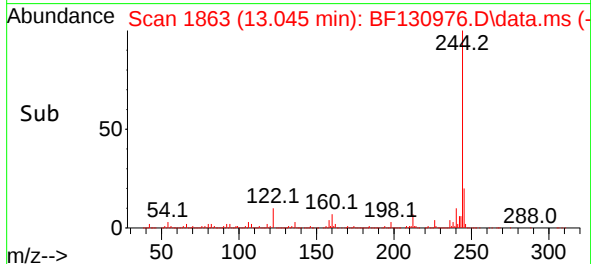
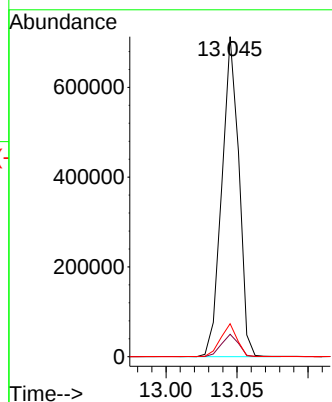
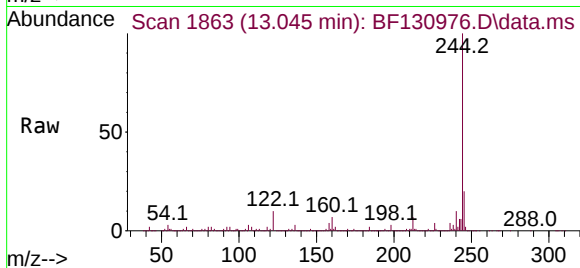




#79  
 Terphenyl-d14  
 Concen: 52.081 ng  
 RT: 13.045 min Scan# 1863  
 Delta R.T. 0.000 min  
 Lab File: BF130976.D  
 Acq: 04 Nov 2022 00:06

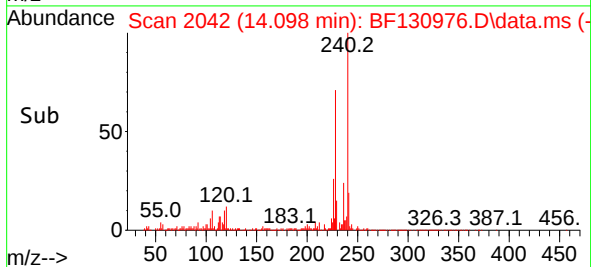
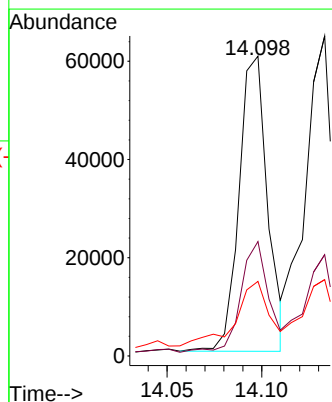
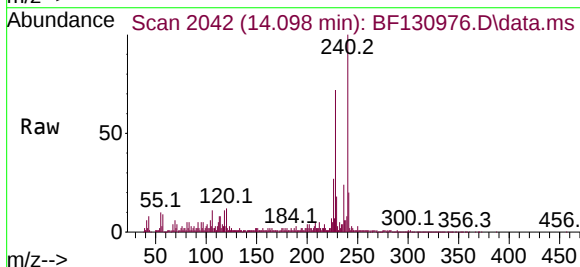
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-K

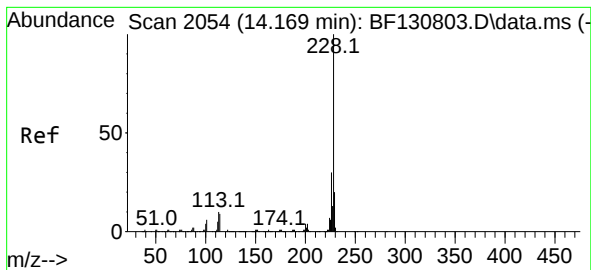
Tgt Ion:244 Resp: 593010  
 Ion Ratio Lower Upper  
 244 100  
 212 7.0 6.2 9.2  
 122 10.3 7.9 11.9



#81  
 Benzo(a)anthracene  
 Concen: 4.547 ng  
 RT: 14.098 min Scan# 2042  
 Delta R.T. 0.000 min  
 Lab File: BF130976.D  
 Acq: 04 Nov 2022 00:06

Tgt Ion:228 Resp: 62901  
 Ion Ratio Lower Upper  
 228 100  
 226 38.2 21.4 32.2#  
 229 24.9 15.8 23.6#





#83

Chrysene

Concen: 4.966 ng

RT: 14.133 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF130976.D

Acq: 04 Nov 2022 00:06

Instrument :

BNA\_F

ClientSampleId :

TP-K

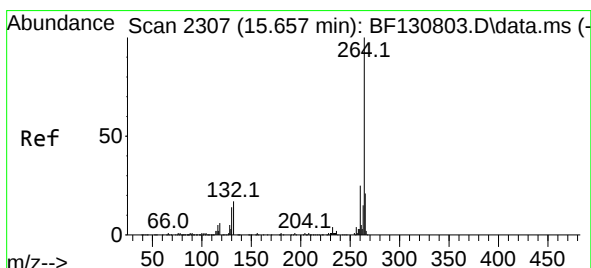
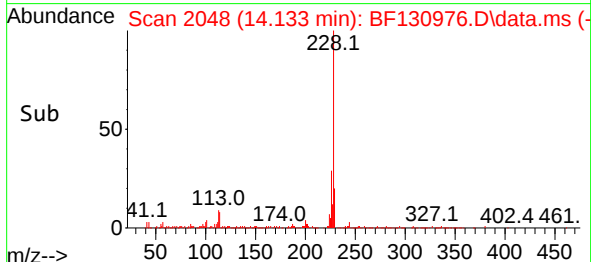
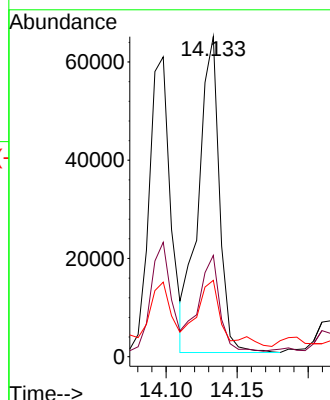
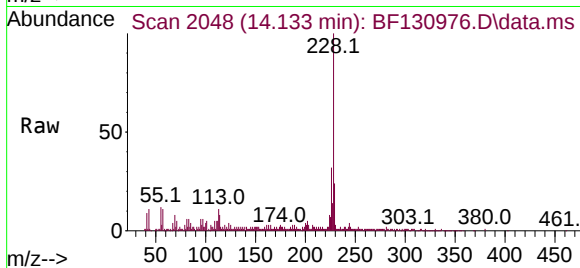
Tgt Ion:228 Resp: 66267

Ion Ratio Lower Upper

228 100

226 31.7 23.9 35.9

229 23.9 15.8 23.6#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.615 min Scan# 2300

Delta R.T. 0.006 min

Lab File: BF130976.D

Acq: 04 Nov 2022 00:06

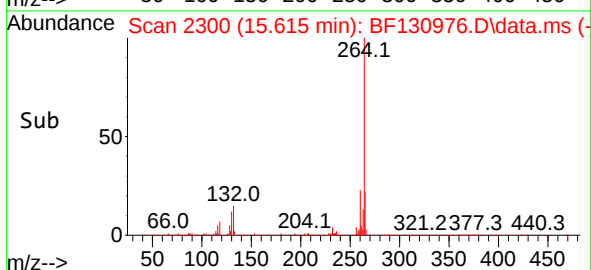
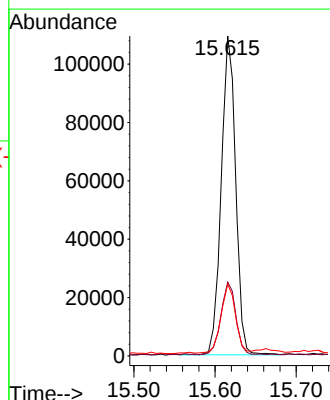
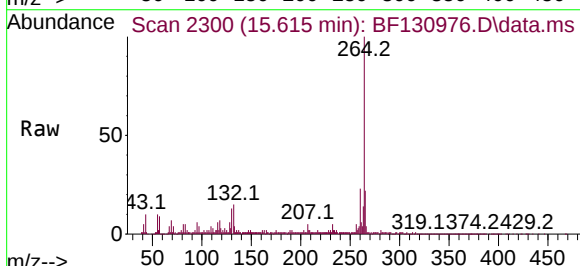
Tgt Ion:264 Resp: 135492

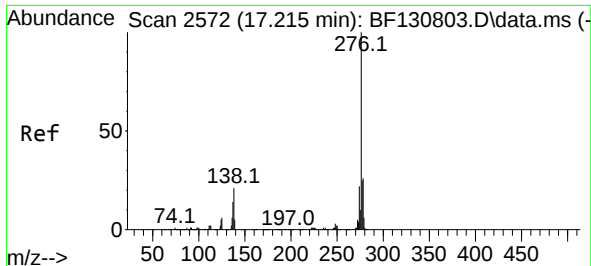
Ion Ratio Lower Upper

264 100

260 23.1 19.9 29.9

265 22.5 17.0 25.6

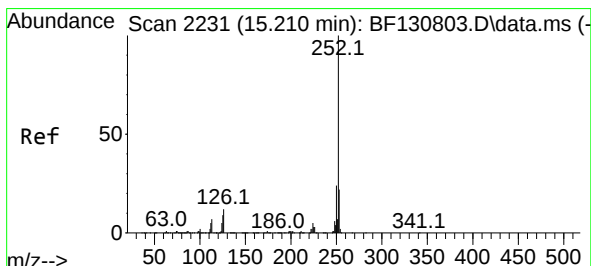
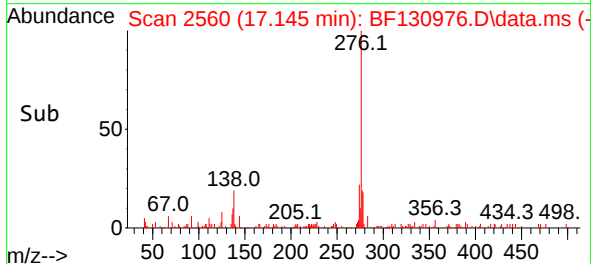
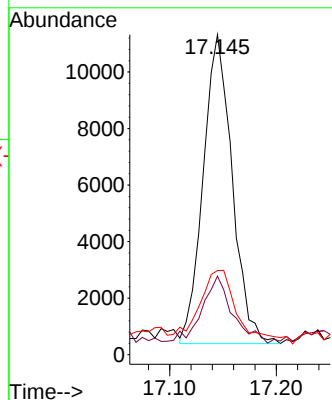
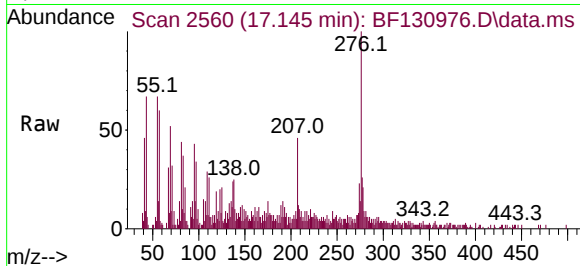




#87  
Indeno(1,2,3-cd)pyrene  
Concen: 2.297 ng  
RT: 17.145 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BF130976.D  
Acq: 04 Nov 2022 00:06

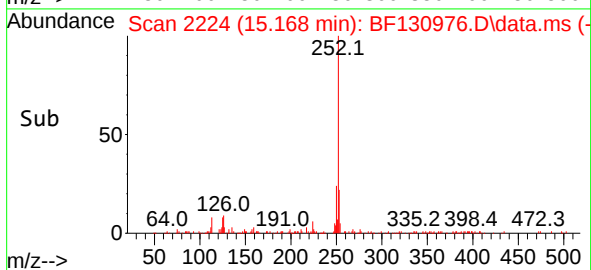
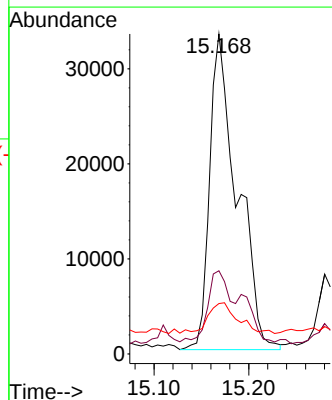
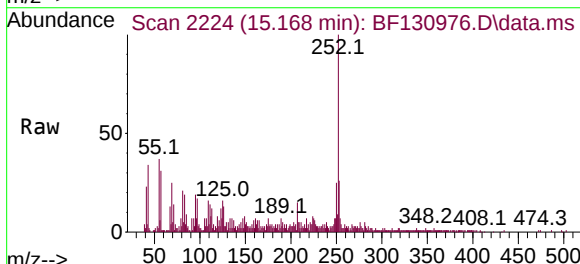
Instrument :  
BNA\_F  
ClientSampleId :  
TP-K

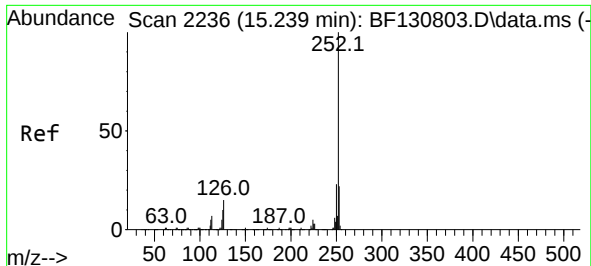
Tgt Ion:276 Resp: 20670  
Ion Ratio Lower Upper  
276 100  
138 22.9 19.1 28.7  
277 31.8 20.1 30.1#



#88  
Benzo(b)fluoranthene  
Concen: 7.649 ng  
RT: 15.168 min Scan# 2224  
Delta R.T. 0.006 min  
Lab File: BF130976.D  
Acq: 04 Nov 2022 00:06

Tgt Ion:252 Resp: 66993  
Ion Ratio Lower Upper  
252 100  
253 26.0 17.5 26.3  
125 15.7 7.0 10.4#

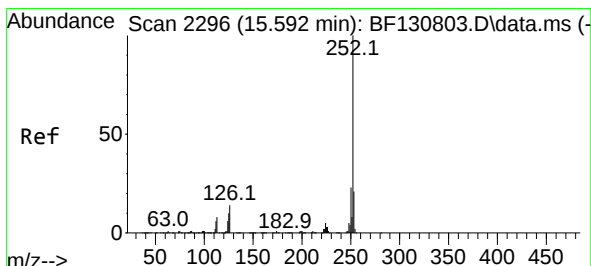
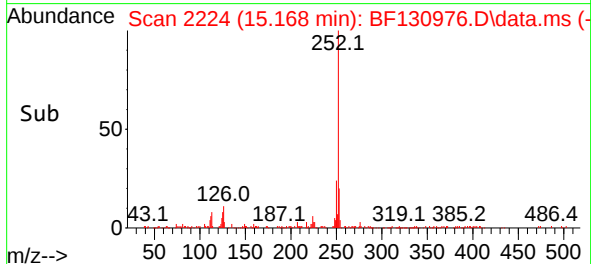
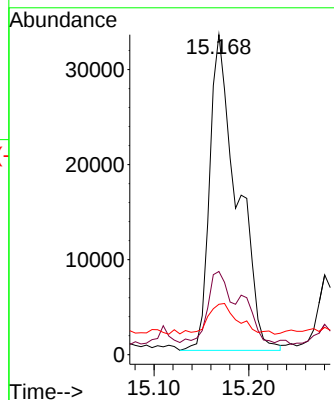
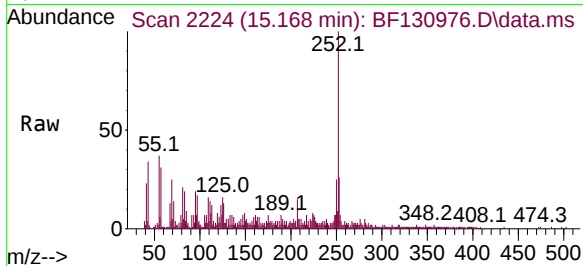




#89  
Benzo(k)fluoranthene  
Concen: 7.850 ng  
RT: 15.168 min Scan# 21  
Delta R.T. -0.029 min  
Lab File: BF130976.D  
Acq: 04 Nov 2022 00:06

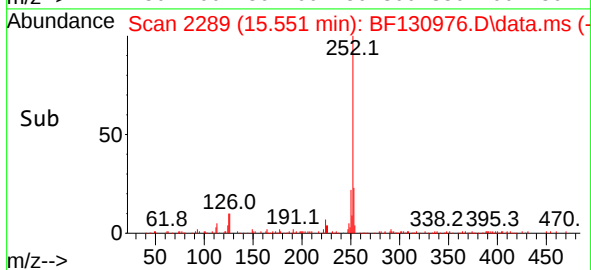
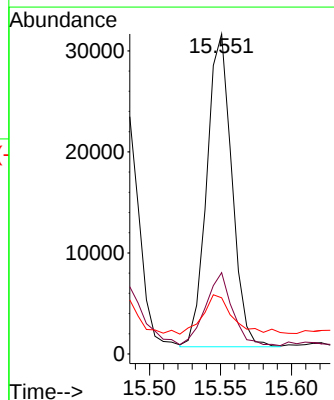
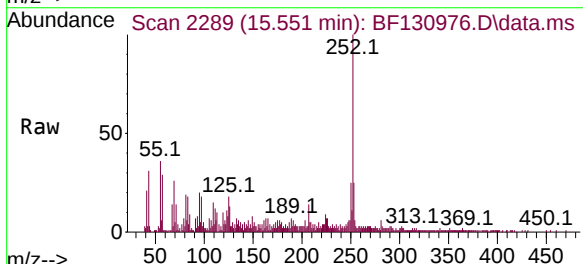
Instrument :  
BNA\_F  
ClientSampleId :  
TP-K

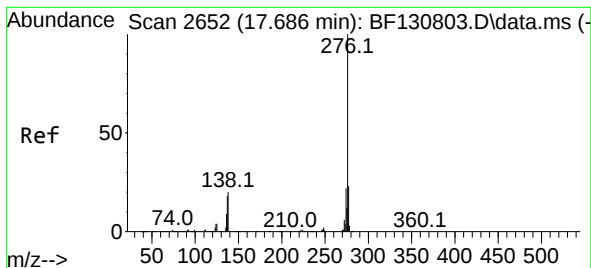
Tgt Ion:252 Resp: 66993  
Ion Ratio Lower Upper  
252 100  
253 26.0 17.5 26.3  
125 15.7 8.0 12.0#



#90  
Benzo(a)pyrene  
Concen: 5.381 ng  
RT: 15.551 min Scan# 2289  
Delta R.T. 0.006 min  
Lab File: BF130976.D  
Acq: 04 Nov 2022 00:06

Tgt Ion:252 Resp: 37889  
Ion Ratio Lower Upper  
252 100  
253 25.4 16.8 25.2#  
125 17.5 8.3 12.5#





#92

Benzo(g,h,i)perylene

Concen: 2.884 ng

RT: 17.609 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF130976.D

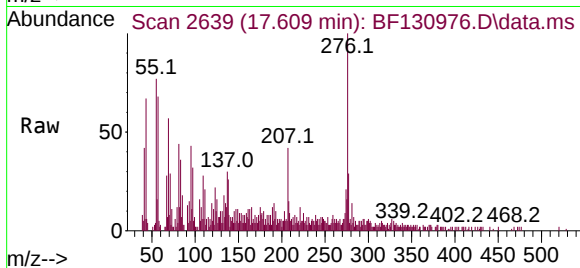
Acq: 04 Nov 2022 00:06

Instrument :

BNA\_F

ClientSampleId :

TP-K



Tgt Ion:276 Resp: 21584

Ion Ratio Lower Upper

276 100

277 28.8 18.8 28.2#

138 25.6 16.3 24.5#

