

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF100722\  
 Data File : BF130574.D  
 Acq On : 07 Oct 2022 14:24  
 Operator : CG\JU  
 Sample : DFTPP  
 Misc :  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DFTPP

Quant Time: Oct 10 04:17:03 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091422.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 07 02:06:46 2022  
 Response via : Initial Calibration

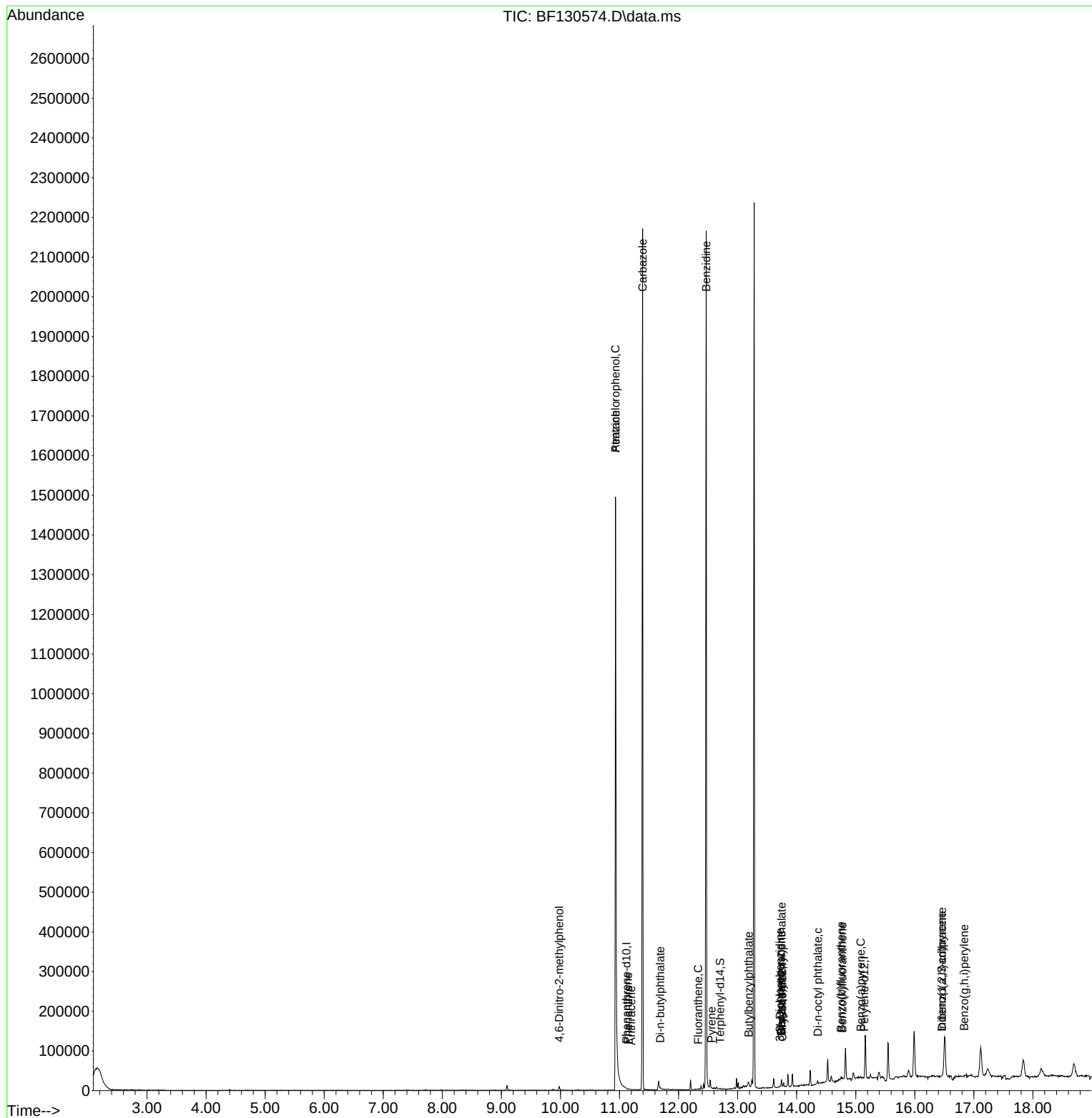
| Compound                      | R.T.   | QIon | Response | Conc       | Units | Dev(Min) |
|-------------------------------|--------|------|----------|------------|-------|----------|
| -----                         |        |      |          |            |       |          |
| Internal Standards            |        |      |          |            |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 0.000  | 152  | 0        | 0.000      | ng    | -6.62    |
| 21) Naphthalene-d8            | 0.000  | 136  | 0        | 0.000      | ng    | -7.90    |
| 39) Acenaphthene-d10          | 0.000  | 164  | 0        | 0.000      | ng    | -9.65    |
| 64) Phenanthrene-d10          | 11.116 | 188  | 59       | 20.000     | ng    | #-0.02   |
| 76) Chrysene-d12              | 13.757 | 240  | 225      | 20.000     | ng    | # 0.00   |
| 86) Perylene-d12              | 15.145 | 264  | 212      | 20.000     | ng    | # 0.00   |
|                               |        |      |          |            |       |          |
| System Monitoring Compounds   |        |      |          |            |       |          |
| 5) 2-Fluorophenol             | 0.000  | 112  | 0        | 0.000      | ng    |          |
| 7) Phenol-d6                  | 0.000  | 99   | 0        | 0.000      | ng    |          |
| 23) Nitrobenzene-d5           | 0.000  | 82   | 0        | 0.000      | ng    |          |
| 42) 2,4,6-Tribromophenol      | 0.000  | 330  | 0        | 0.000      | ng    |          |
| 45) 2-Fluorobiphenyl          | 0.000  | 172  | 0        | 0.000      | ng    |          |
| 79) Terphenyl-d14             | 12.704 | 244  | 1447     | 106.531    | ng    | -0.01    |
|                               |        |      |          |            |       |          |
| Target Compounds              |        |      |          |            |       | Qvalue   |
| 65) 4,6-Dinitro-2-methylph... | 9.980  | 198  | 54       | 164.416    | ng    | # 24     |
| 69) Atrazine                  | 10.933 | 200  | 33812    | 58683.485  | ng    | # 40     |
| 70) Pentachlorophenol         | 10.933 | 266  | 180633   | 456180.004 | ng    | 99       |
| 71) Phenanthrene              | 11.145 | 178  | 190      | 57.358     | ng    | # 60     |
| 72) Anthracene                | 11.198 | 178  | 218      | 68.197     | ng    | # 60     |
| 73) Carbazole                 | 11.392 | 167  | 10931    | 3789.010   | ng    | # 78     |
| 74) Di-n-butylphthalate       | 11.692 | 149  | 1287     | 369.946    | ng    | # 86     |
| 75) Fluoranthene              | 12.333 | 202  | 1229     | 383.959    | ng    | 68       |
| 77) Benzidine                 | 12.469 | 184  | 739273   | 113184.940 | ng    | 99       |
| 78) Pyrene                    | 12.557 | 202  | 1649     | 83.777     | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.186 | 149  | 2746     | 376.587    | ng    | # 94     |
| 81) Benzo(a)anthracene        | 13.739 | 228  | 4712     | 314.803    | ng    | 96       |
| 82) 3,3'-Dichlorobenzidine    | 13.715 | 252  | 519      | 127.378    | ng    | # 91     |
| 83) Chrysene                  | 13.739 | 228  | 4712     | 331.545    | ng    | 93       |
| 84) Bis(2-ethylhexyl)phtha... | 13.745 | 149  | 3281     | 392.827    | ng    | # 91     |
| 85) Di-n-octyl phthalate      | 14.357 | 149  | 4063     | 318.046    | ng    | # 49     |
| 87) Indeno(1,2,3-cd)pyrene    | 16.456 | 276  | 1228     | 81.683     | ng    | # 77     |
| 88) Benzo(b)fluoranthene      | 14.751 | 252  | 2087     | 150.826    | ng    | # 81     |
| 89) Benzo(k)fluoranthene      | 14.774 | 252  | 2216     | 162.803    | ng    | # 88     |
| 90) Benzo(a)pyrene            | 15.086 | 252  | 1400     | 127.710    | ng    | # 74     |
| 91) Dibenzo(a,h)anthracene    | 16.462 | 278  | 967      | 78.407     | ng    | # 56     |
| 92) Benzo(g,h,i)perylene      | 16.839 | 276  | 1057     | 85.080     | ng    | # 48     |
| -----                         |        |      |          |            |       |          |

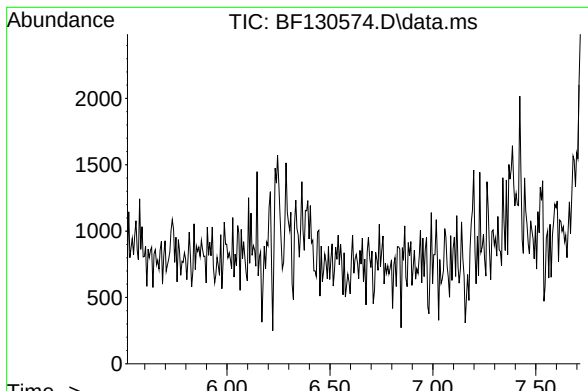
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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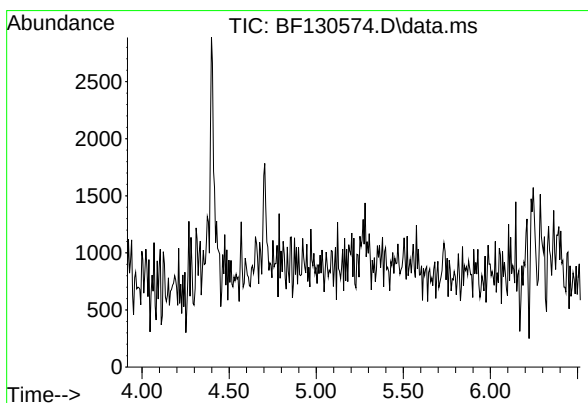
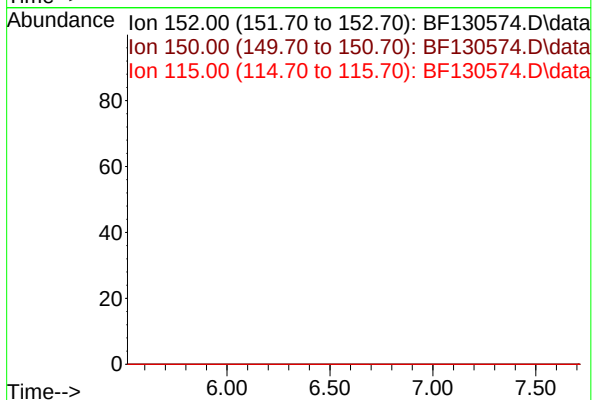


#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.000 ng  
 Expected RT: 6.62 min  
 Lab File: BF130574.D  
 Acq: 07 Oct 2022 14:24

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DFTPP

Tgt Ion: 152  

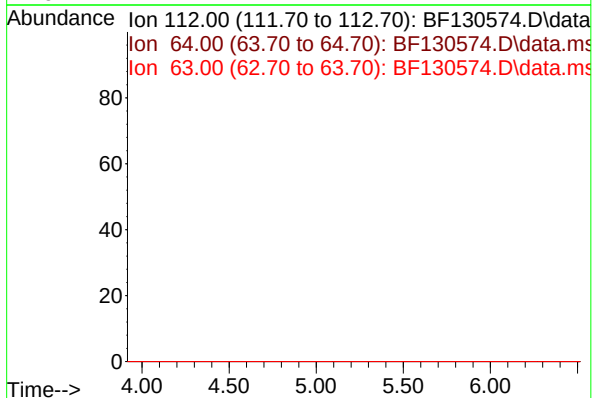
| Sig | Exp Ratio |
|-----|-----------|
| 152 | 100       |
| 150 | 153.5     |
| 115 | 67.3      |

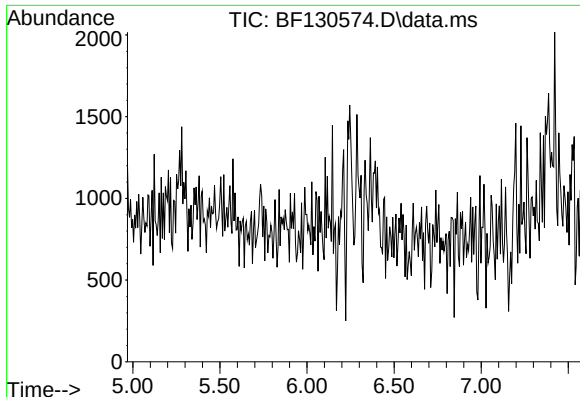


#5  
 2-Fluorophenol  
 Concen: 0.000 ng  
 Expected RT: 5.22 min  
 Lab File: BF130574.D  
 Acq: 07 Oct 2022 14:24

Tgt Ion: 112  

| Sig | Exp Ratio |
|-----|-----------|
| 112 | 100       |
| 64  | 64.2      |
| 63  | 36.0      |



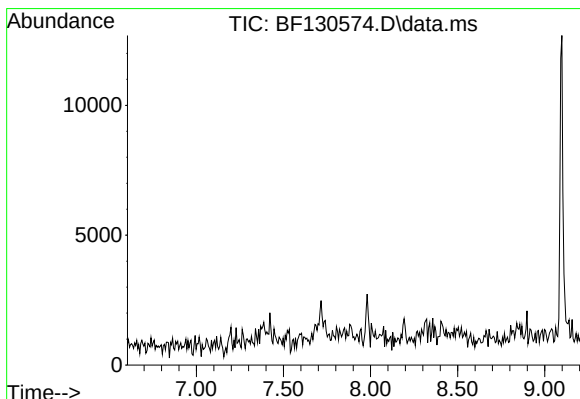
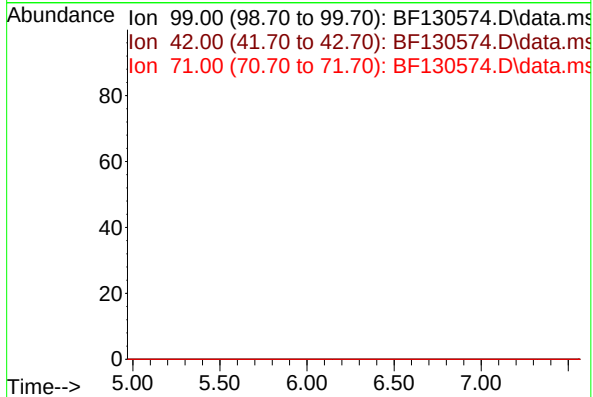


#7  
 Phenol-d6  
 Concen: 0.000 ng  
 Expected RT: 6.27 min  
 Lab File: BF130574.D  
 Acq: 07 Oct 2022 14:24

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DFTPP

Tgt Ion: 99  

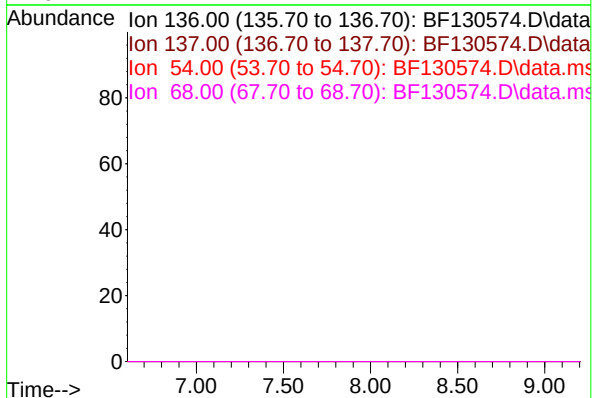
| Sig | Exp Ratio |
|-----|-----------|
| 99  | 100       |
| 42  | 21.3      |
| 71  | 40.4      |

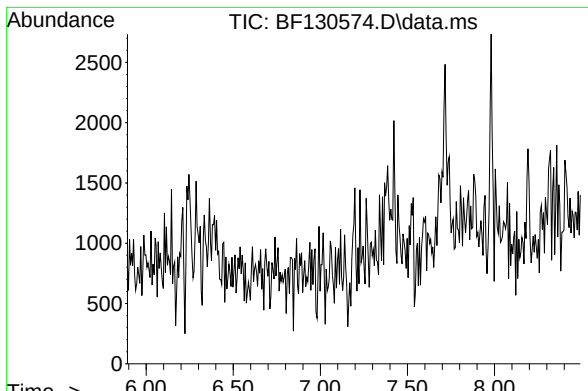


#21  
 Naphthalene-d8  
 Concen: 0.000 ng  
 Expected RT: 7.90 min  
 Lab File: BF130574.D  
 Acq: 07 Oct 2022 14:24

Tgt Ion: 136  

| Sig | Exp Ratio |
|-----|-----------|
| 136 | 100       |
| 137 | 11.4      |
| 54  | 8.9       |
| 68  | 5.6       |



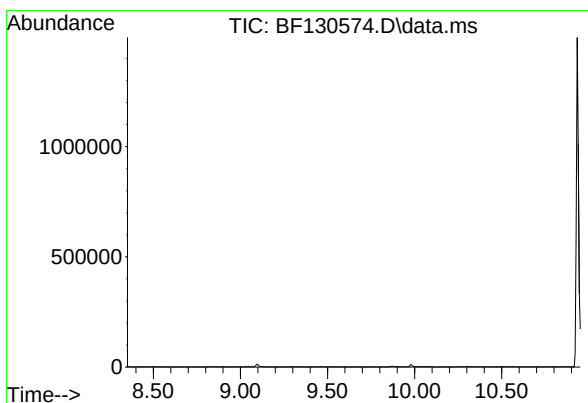
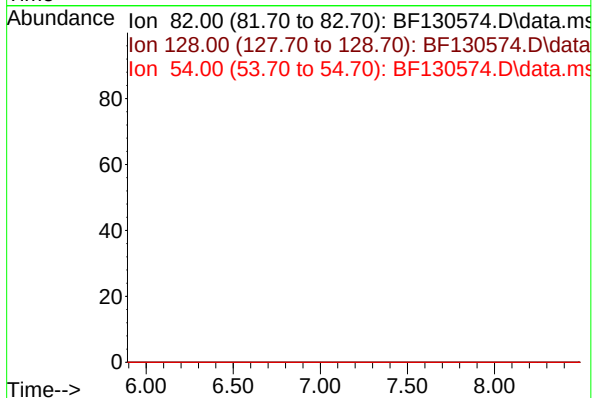


#23  
 Nitrobenzene-d5  
 Concen: 0.000 ng  
 Expected RT: 7.19 min  
 Lab File: BF130574.D  
 Acq: 07 Oct 2022 14:24

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DFTPP

Tgt Ion: 82  

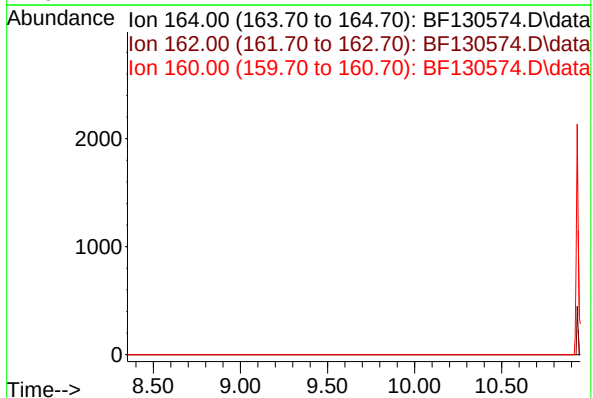
| Sig | Exp Ratio |
|-----|-----------|
| 82  | 100       |
| 128 | 40.8      |
| 54  | 54.7      |

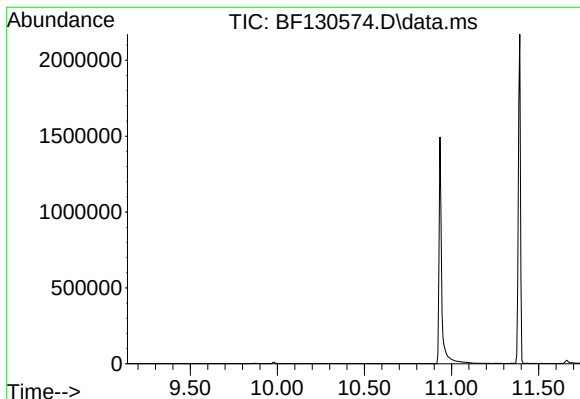


#39  
 Acenaphthene-d10  
 Concen: 0.000 ng  
 Expected RT: 9.65 min  
 Lab File: BF130574.D  
 Acq: 07 Oct 2022 14:24

Tgt Ion: 164  

| Sig | Exp Ratio |
|-----|-----------|
| 164 | 100       |
| 162 | 101.7     |
| 160 | 45.3      |

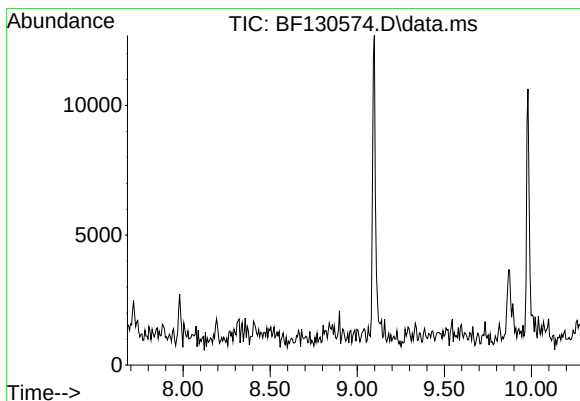
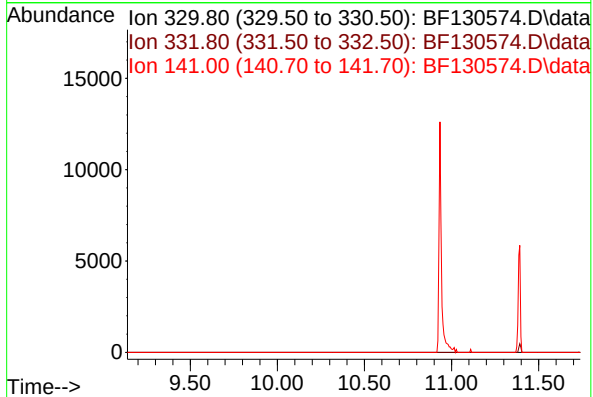




#42  
 2,4,6-Tribromophenol  
 Concen: 0.000 ng  
 Expected RT: 10.44 min  
 Lab File: BF130574.D  
 Acq: 07 Oct 2022 14:24

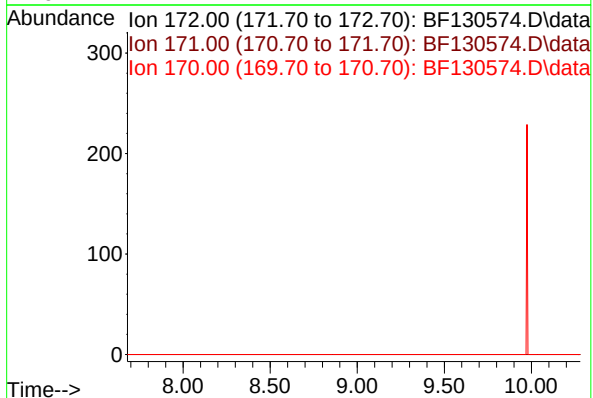
Instrument :  
 BNA\_F  
 ClientSampleId :  
 DFTPP

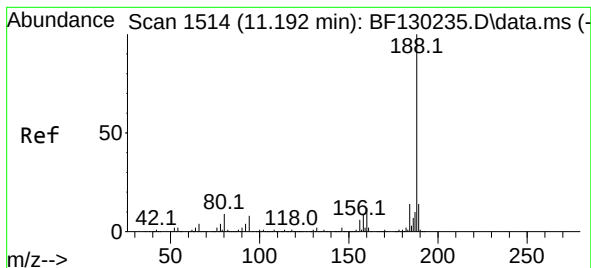
Tgt Ion: 330  
 Sig Exp Ratio  
 330 100  
 332 104.3  
 141 42.5



#45  
 2-Fluorobiphenyl  
 Concen: 0.000 ng  
 Expected RT: 8.98 min  
 Lab File: BF130574.D  
 Acq: 07 Oct 2022 14:24

Tgt Ion: 172  
 Sig Exp Ratio  
 172 100  
 171 35.4  
 170 23.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.116 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF130574.D

Acq: 07 Oct 2022 14:24

Instrument :

BNA\_F

ClientSampleId :

DFTPP

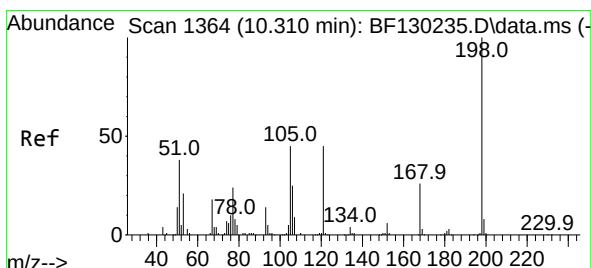
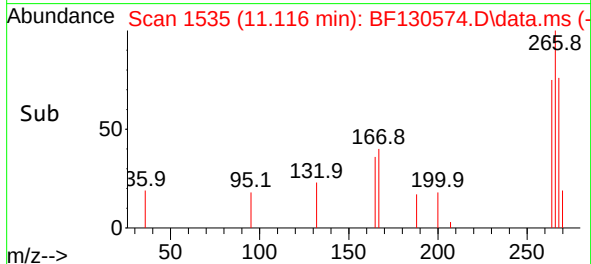
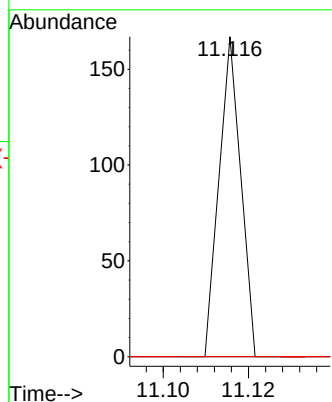
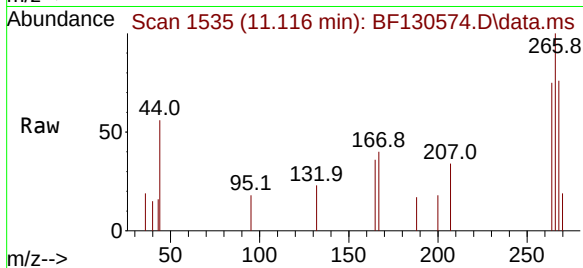
Tgt Ion:188 Resp: 59

Ion Ratio Lower Upper

188 100

94 0.0 7.4 11.2#

80 0.0 7.9 11.9#



#65

4,6-Dinitro-2-methylphenol

Concen: 164.416 ng

RT: 9.980 min Scan# 1342

Delta R.T. -0.277 min

Lab File: BF130574.D

Acq: 07 Oct 2022 14:24

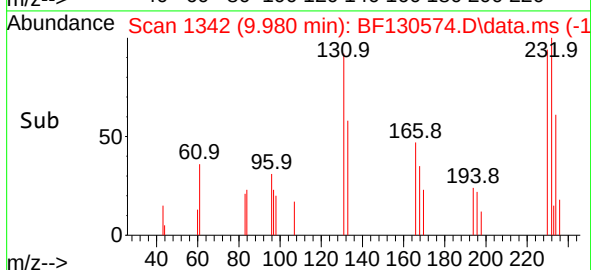
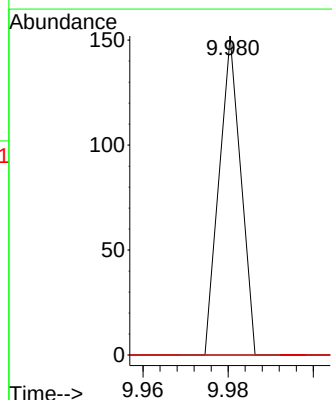
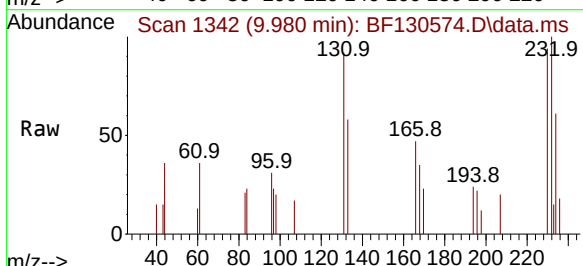
Tgt Ion:198 Resp: 54

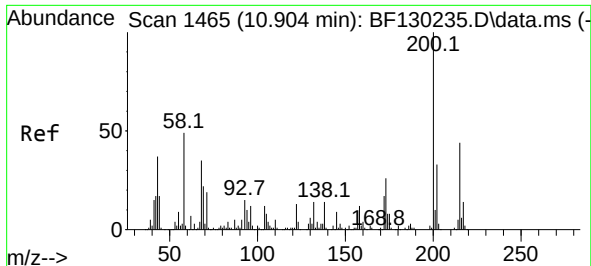
Ion Ratio Lower Upper

198 100

51 0.0 36.9 76.9#

105 0.0 33.0 73.0#

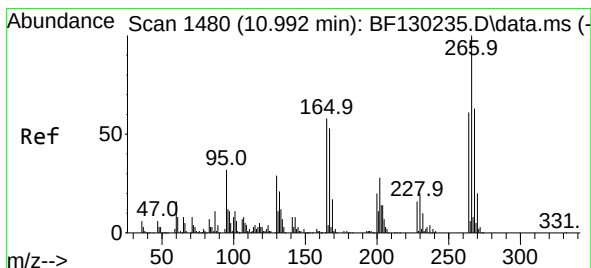
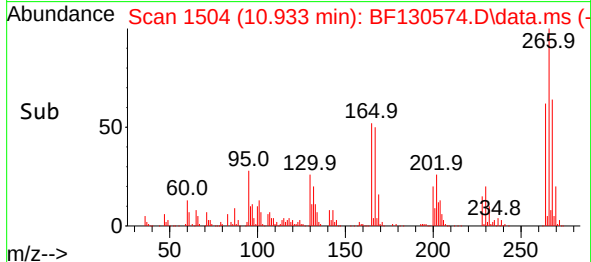
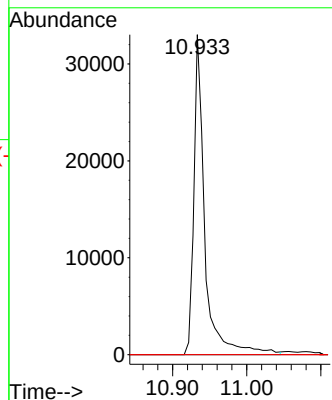
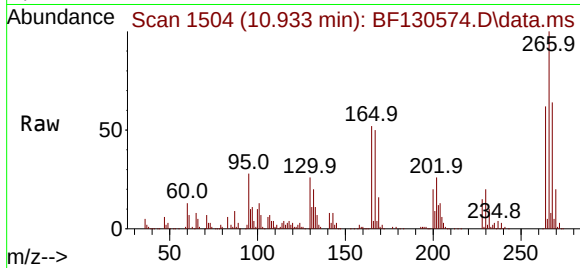




#69  
Atrazine  
Concen: 58683.485 ng  
RT: 10.933 min Scan# 11  
Delta R.T. 0.088 min  
Lab File: BF130574.D  
Acq: 07 Oct 2022 14:24

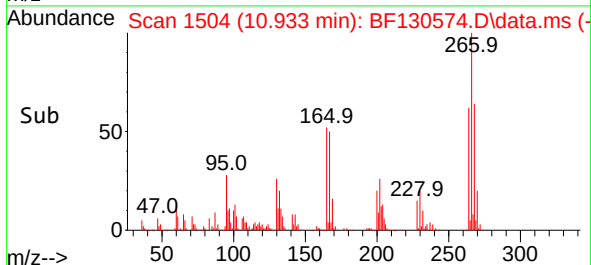
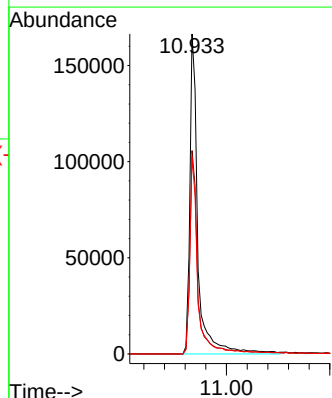
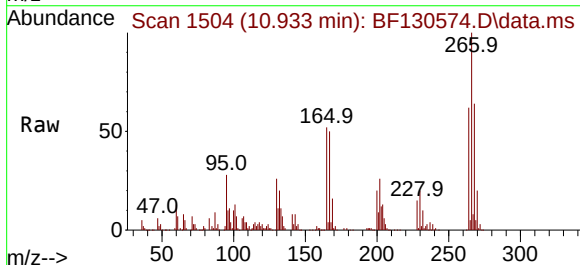
Instrument :  
BNA\_F  
ClientSampleId :  
DFTPP

Tgt Ion:200 Resp: 33812  
Ion Ratio Lower Upper  
200 100  
173 0.0 6.2 46.2#  
215 0.5 22.5 62.5#

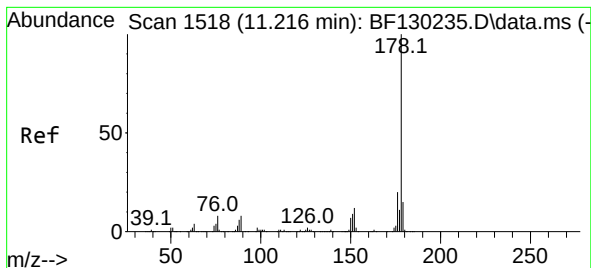


#70  
Pentachlorophenol  
Concen: 456180.004 ng  
RT: 10.933 min Scan# 1504  
Delta R.T. -0.012 min  
Lab File: BF130574.D  
Acq: 07 Oct 2022 14:24

Tgt Ion:266 Resp: 180633  
Ion Ratio Lower Upper  
266 100  
268 63.5 50.5 75.7  
264 61.7 50.5 75.7







#71

Phenanthrene

Concen: 57.358 ng

RT: 11.145 min Scan# 1540

Delta R.T. -0.012 min

Lab File: BF130574.D

Acq: 07 Oct 2022 14:24

Instrument :

BNA\_F

ClientSampleId :

DFTPP

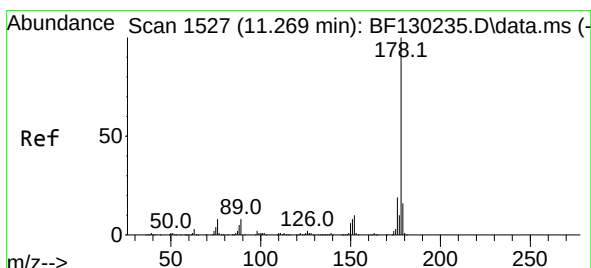
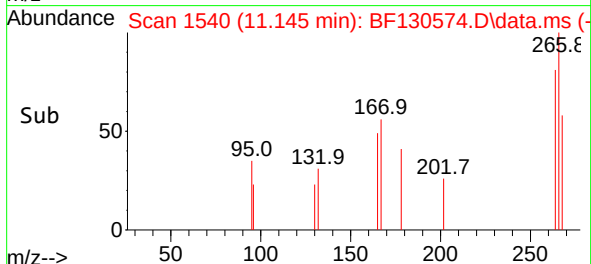
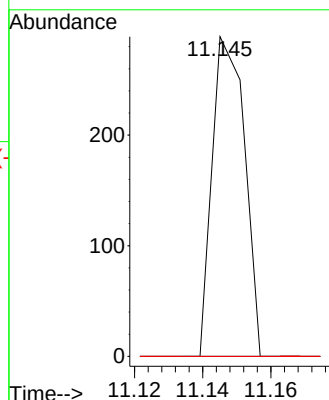
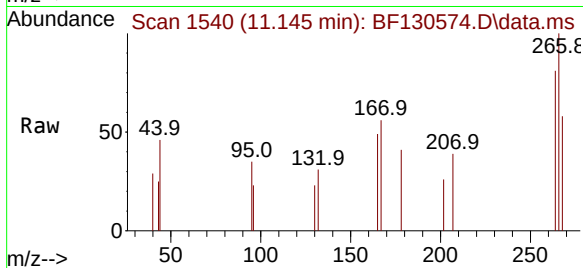
Tgt Ion:178 Resp: 190

Ion Ratio Lower Upper

178 100

176 0.0 15.4 23.0#

179 0.0 12.4 18.6#



#72

Anthracene

Concen: 68.197 ng

RT: 11.198 min Scan# 1549

Delta R.T. -0.012 min

Lab File: BF130574.D

Acq: 07 Oct 2022 14:24

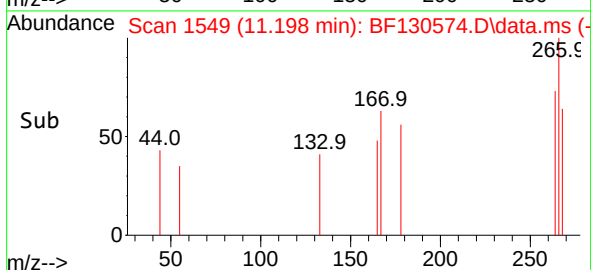
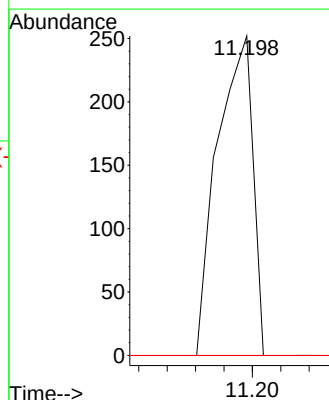
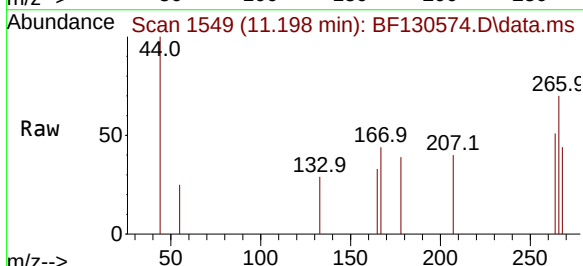
Tgt Ion:178 Resp: 218

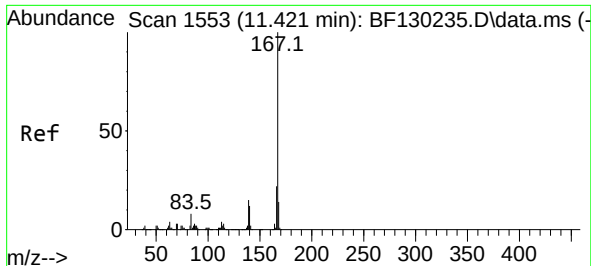
Ion Ratio Lower Upper

178 100

176 0.0 15.0 22.6#

179 0.0 12.7 19.1#

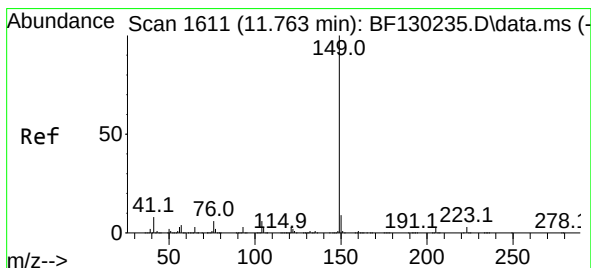
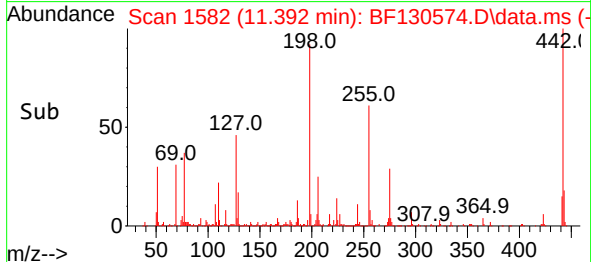
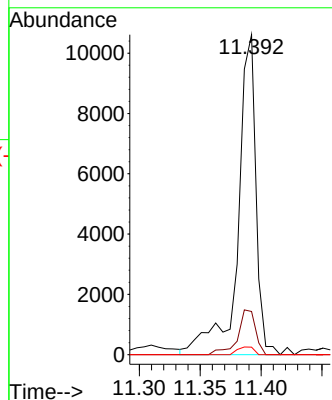
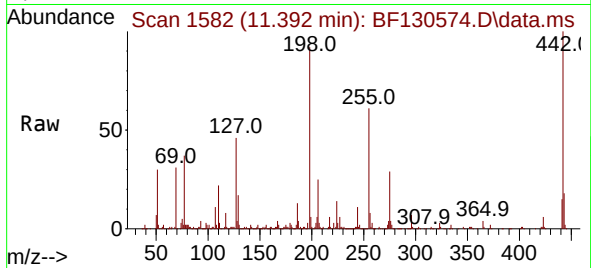




#73  
 Carbazole  
 Concen: 3789.010 ng  
 RT: 11.392 min Scan# 1633  
 Delta R.T. 0.023 min  
 Lab File: BF130574.D  
 Acq: 07 Oct 2022 14:24

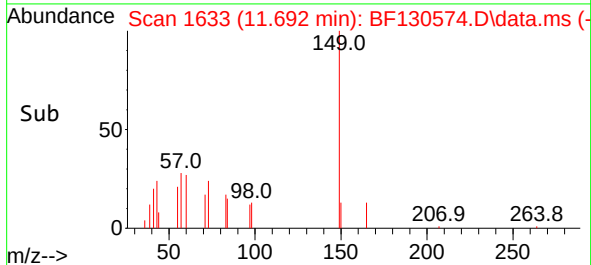
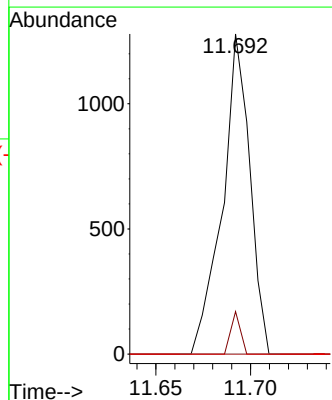
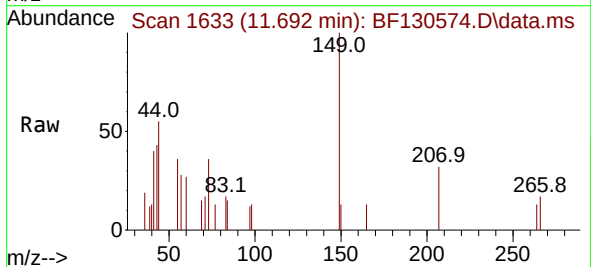
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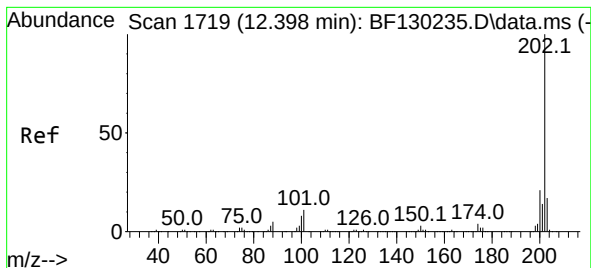
Tgt Ion:167 Resp: 10931  
 Ion Ratio Lower Upper  
 167 100  
 166 13.5 17.4 26.2#  
 139 2.4 11.6 17.4#



#74  
 Di-n-butylphthalate  
 Concen: 369.946 ng  
 RT: 11.692 min Scan# 1633  
 Delta R.T. -0.012 min  
 Lab File: BF130574.D  
 Acq: 07 Oct 2022 14:24

Tgt Ion:149 Resp: 1287  
 Ion Ratio Lower Upper  
 149 100  
 150 13.3 7.4 11.2#  
 104 0.0 4.8 7.2#





#75

Fluoranthene

Concen: 383.959 ng

RT: 12.333 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF130574.D

Acq: 07 Oct 2022 14:24

Instrument :

BNA\_F

ClientSampleId :

DFTPP

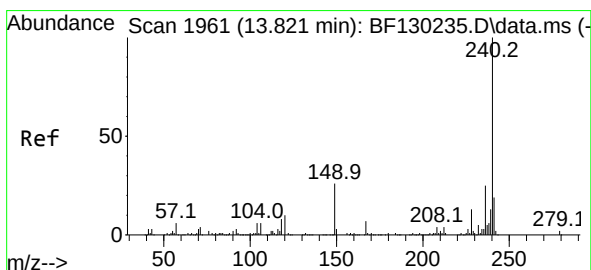
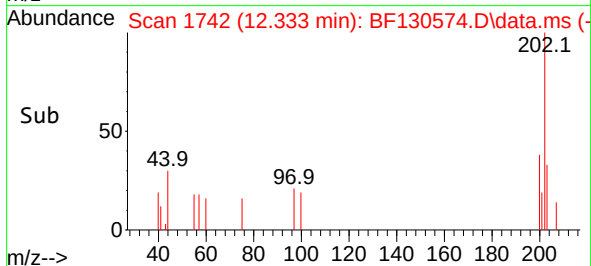
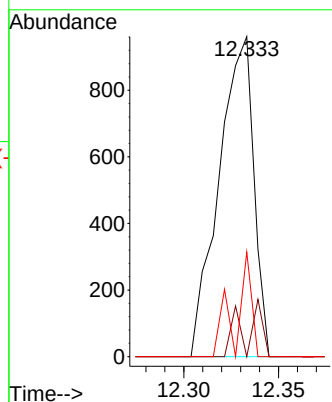
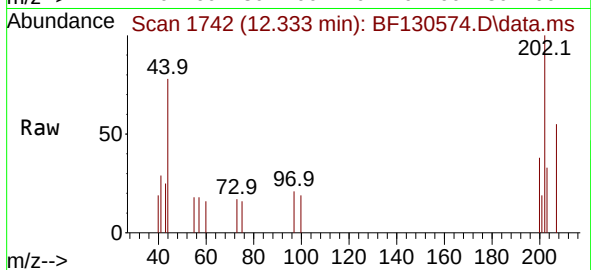
Tgt Ion:202 Resp: 1229

Ion Ratio Lower Upper

202 100

101 0.0 0.0 31.8

203 32.7 0.0 37.8



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.757 min Scan# 1984

Delta R.T. -0.006 min

Lab File: BF130574.D

Acq: 07 Oct 2022 14:24

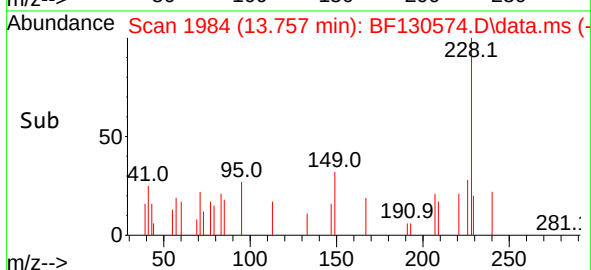
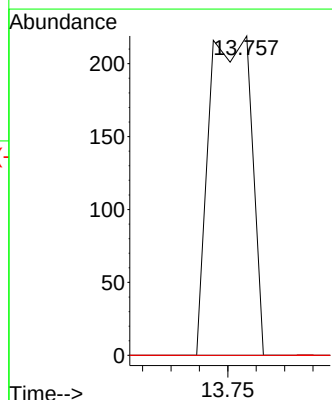
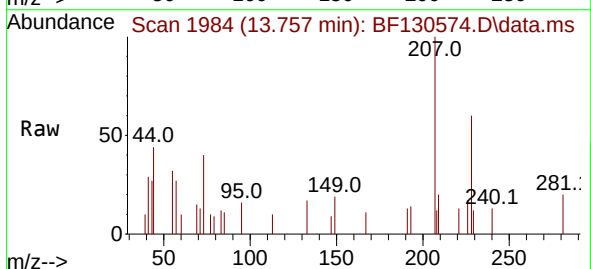
Tgt Ion:240 Resp: 225

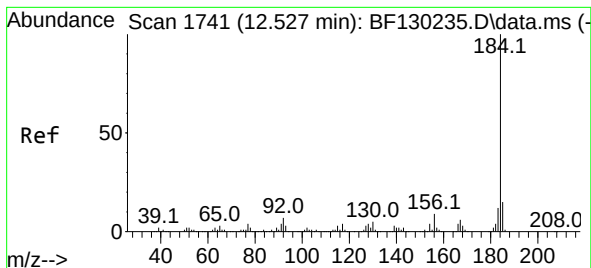
Ion Ratio Lower Upper

240 100

120 0.0 8.7 13.1#

236 0.0 20.9 31.3#





#77

Benzidine

Concen: 113184.940 ng

RT: 12.469 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF130574.D

Acq: 07 Oct 2022 14:24

Instrument :

BNA\_F

ClientSampleId :

DFTPP

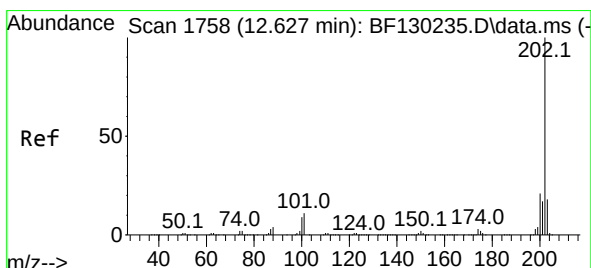
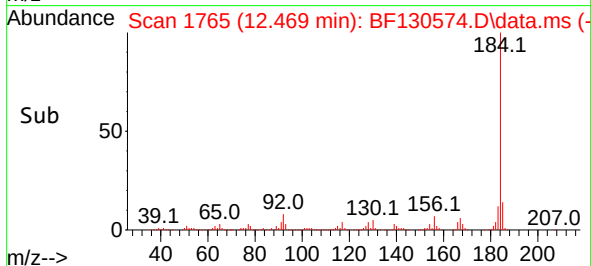
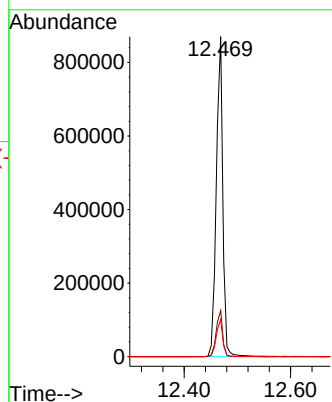
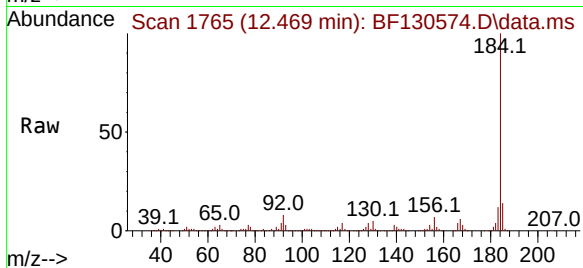
Tgt Ion:184 Resp: 739273

Ion Ratio Lower Upper

184 100

185 14.4 11.8 17.6

183 11.6 9.1 13.7



#78

Pyrene

Concen: 83.777 ng

RT: 12.557 min Scan# 1780

Delta R.T. -0.006 min

Lab File: BF130574.D

Acq: 07 Oct 2022 14:24

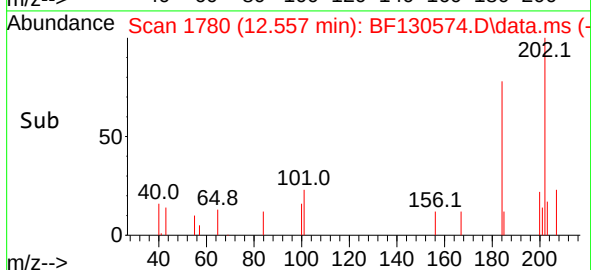
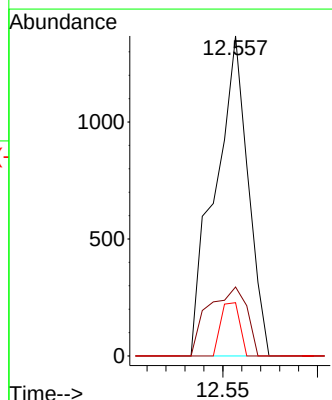
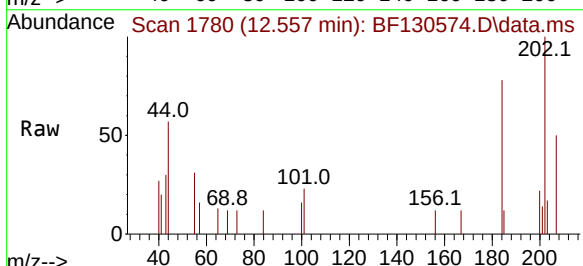
Tgt Ion:202 Resp: 1649

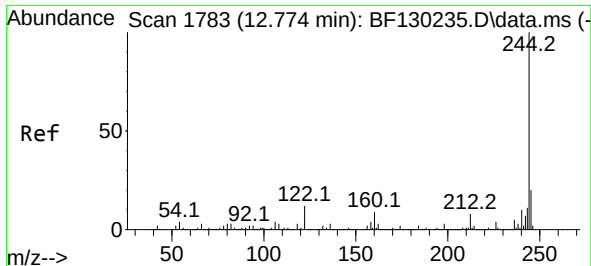
Ion Ratio Lower Upper

202 100

200 21.6 17.2 25.8

203 16.7 14.3 21.5

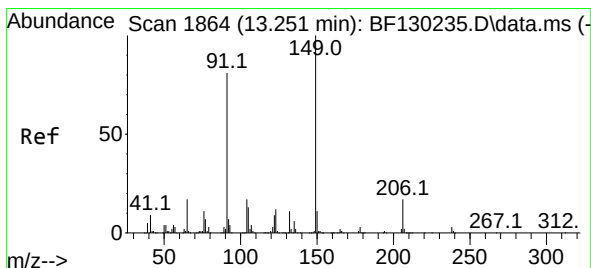
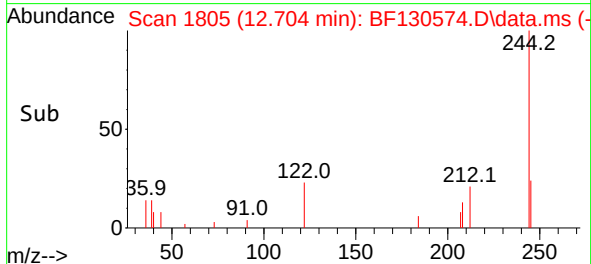
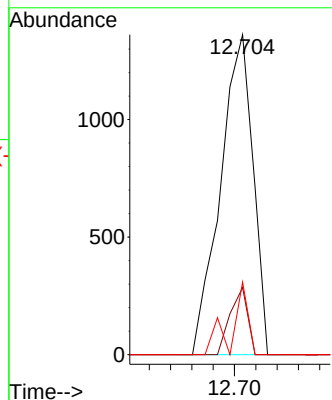
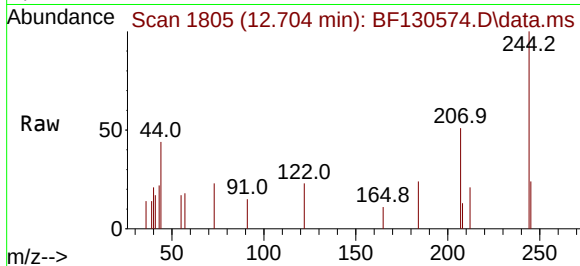




#79  
 Terphenyl-d14  
 Concen: 106.531 ng  
 RT: 12.704 min Scan# 1805  
 Delta R.T. -0.012 min  
 Lab File: BF130574.D  
 Acq: 07 Oct 2022 14:24

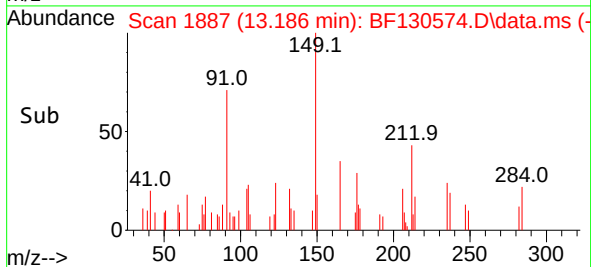
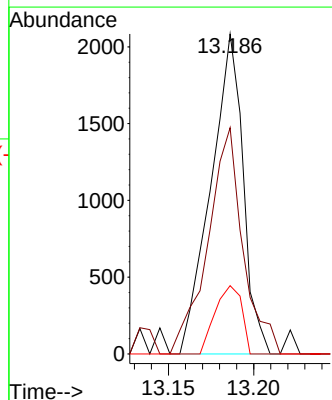
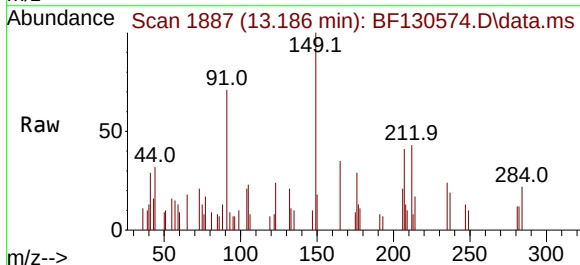
Instrument :  
 BNA\_F  
 ClientSampleId :  
 DFTPP

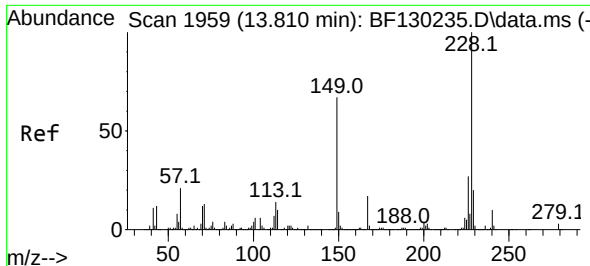
Tgt Ion:244 Resp: 1447  
 Ion Ratio Lower Upper  
 244 100  
 212 21.0 5.9 8.9#  
 122 22.7 8.5 12.7#



#80  
 Butylbenzylphthalate  
 Concen: 376.587 ng  
 RT: 13.186 min Scan# 1887  
 Delta R.T. -0.006 min  
 Lab File: BF130574.D  
 Acq: 07 Oct 2022 14:24

Tgt Ion:149 Resp: 2746  
 Ion Ratio Lower Upper  
 149 100  
 91 70.7 59.8 89.8  
 206 21.4 13.9 20.9#

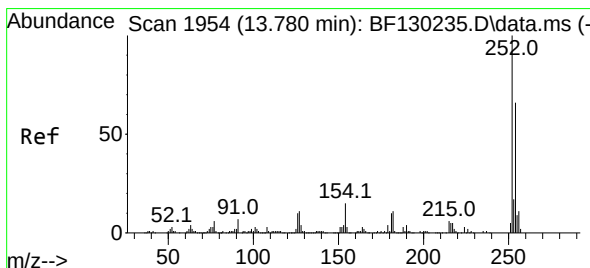
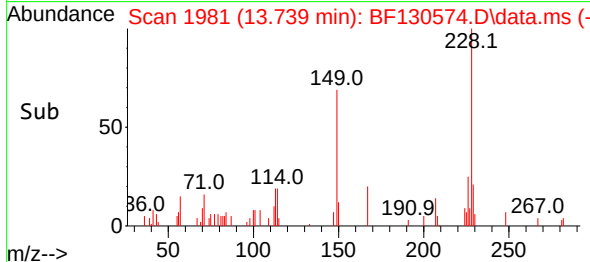
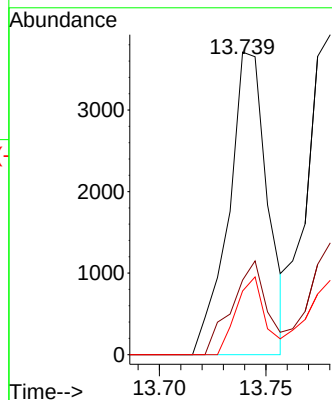
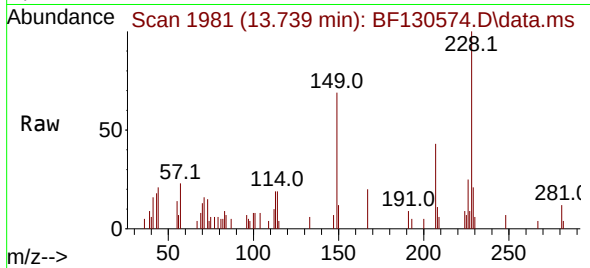




#81  
Benzo(a)anthracene  
Concen: 314.803 ng  
RT: 13.739 min Scan# 1959  
Delta R.T. -0.012 min  
Lab File: BF130574.D  
Acq: 07 Oct 2022 14:24

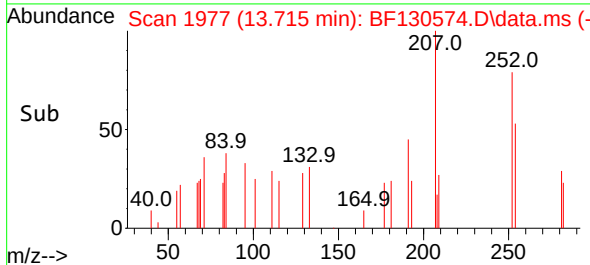
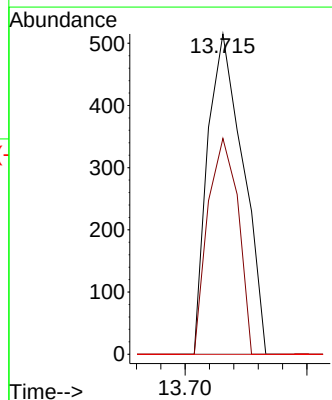
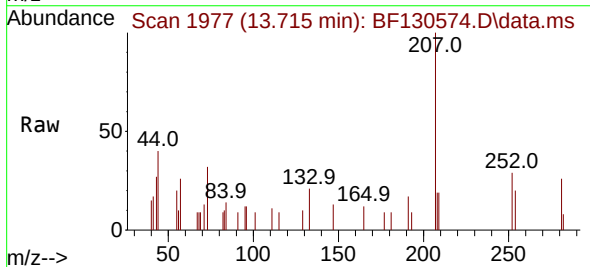
Instrument :  
BNA\_F  
ClientSampleId :  
DFTPP

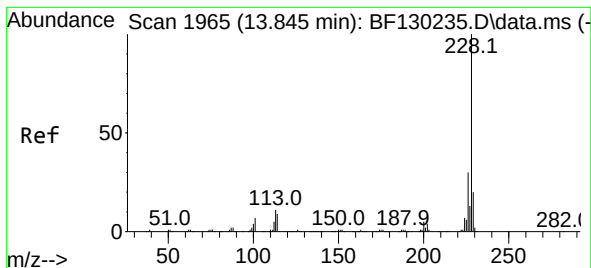
Tgt Ion:228 Resp: 4712  
Ion Ratio Lower Upper  
228 100  
226 24.7 21.9 32.9  
229 21.0 16.1 24.1



#82  
3,3'-Dichlorobenzidine  
Concen: 127.378 ng  
RT: 13.715 min Scan# 1977  
Delta R.T. -0.006 min  
Lab File: BF130574.D  
Acq: 07 Oct 2022 14:24

Tgt Ion:252 Resp: 519  
Ion Ratio Lower Upper  
252 100  
254 67.4 51.1 76.7  
126 0.0 10.4 15.6#





#83

Chrysene

Concen: 331.545 ng

RT: 13.739 min Scan# 1981

Delta R.T. -0.047 min

Lab File: BF130574.D

Acq: 07 Oct 2022 14:24

Instrument :

BNA\_F

ClientSampleId :

DFTPP

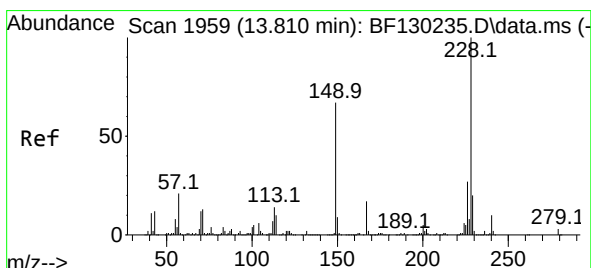
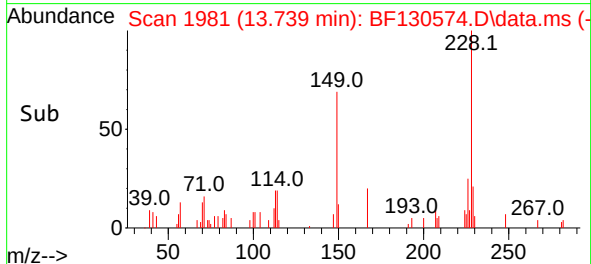
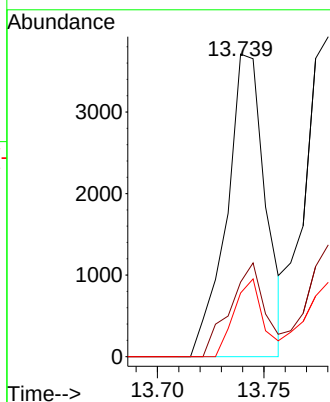
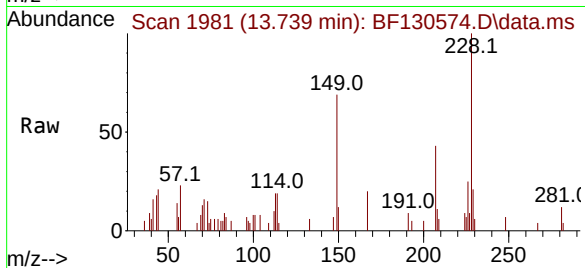
Tgt Ion:228 Resp: 4712

Ion Ratio Lower Upper

228 100

226 24.7 23.8 35.8

229 21.0 15.3 22.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 392.827 ng

RT: 13.745 min Scan# 1982

Delta R.T. -0.006 min

Lab File: BF130574.D

Acq: 07 Oct 2022 14:24

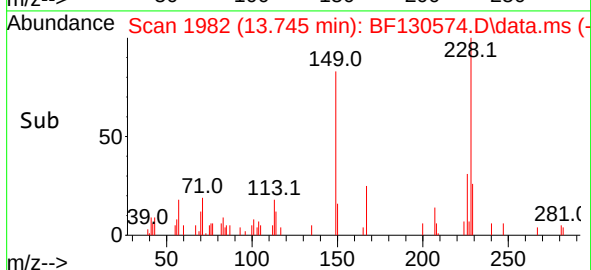
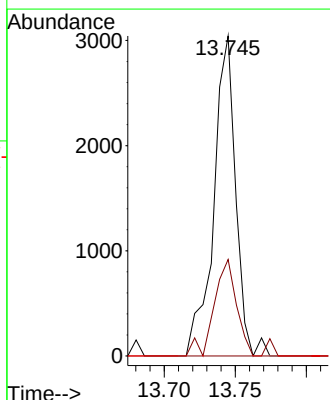
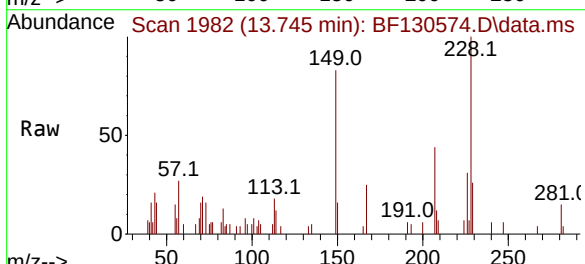
Tgt Ion:149 Resp: 3281

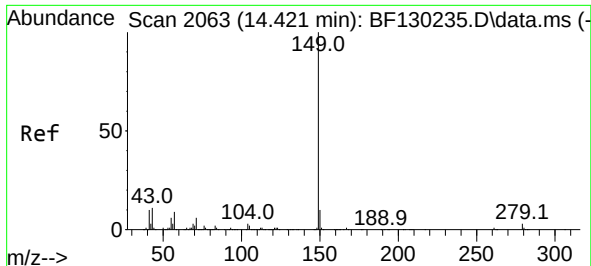
Ion Ratio Lower Upper

149 100

167 30.1 20.5 30.7

279 0.0 2.9 4.3#

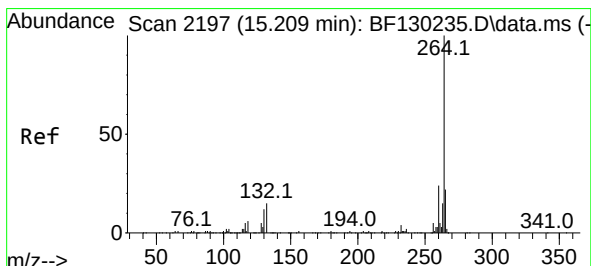
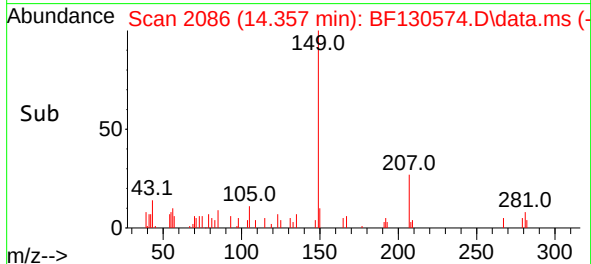
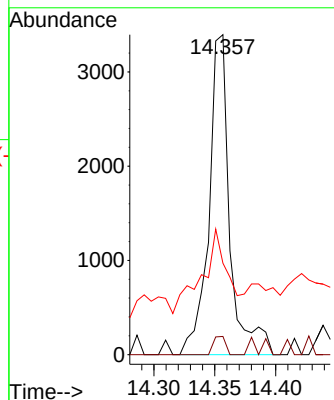
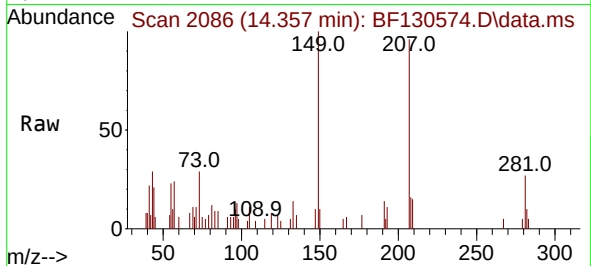




#85  
Di-n-octyl phthalate  
Concen: 318.046 ng  
RT: 14.357 min Scan# 2063  
Delta R.T. -0.006 min  
Lab File: BF130574.D  
Acq: 07 Oct 2022 14:24

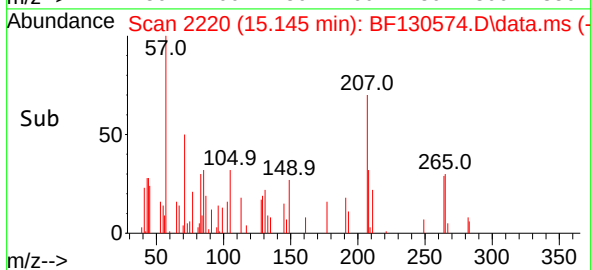
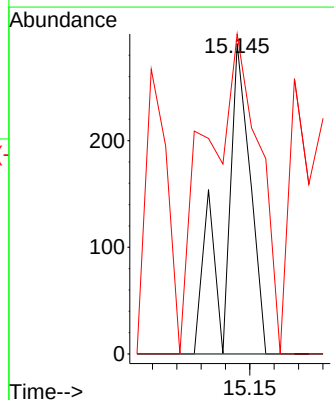
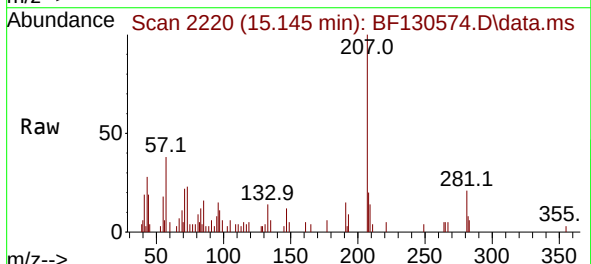
Instrument :  
BNA\_F  
ClientSampleId :  
DFTPP

Tgt Ion:149 Resp: 4063  
Ion Ratio Lower Upper  
149 100  
167 3.3 1.2 1.8#  
43 32.6 8.7 13.1#

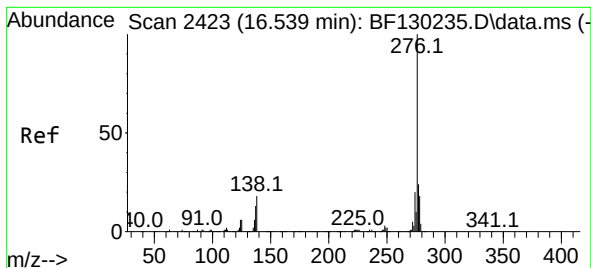


#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.145 min Scan# 2220  
Delta R.T. -0.000 min  
Lab File: BF130574.D  
Acq: 07 Oct 2022 14:24

Tgt Ion:264 Resp: 212  
Ion Ratio Lower Upper  
264 100  
260 0.0 19.3 28.9#  
265 103.1 17.0 25.4#







#87

Indeno(1,2,3-cd)pyrene

Concen: 81.683 ng

RT: 16.456 min Scan# 24

Delta R.T. -0.000 min

Lab File: BF130574.D

Acq: 07 Oct 2022 14:24

Instrument :

BNA\_F

ClientSampleId :

DFTTP

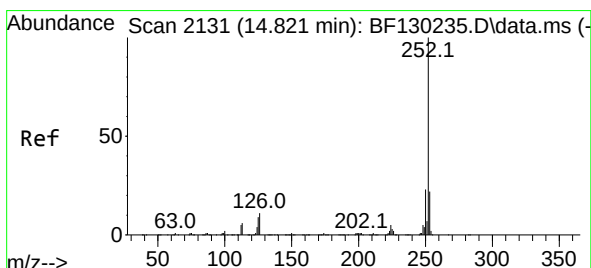
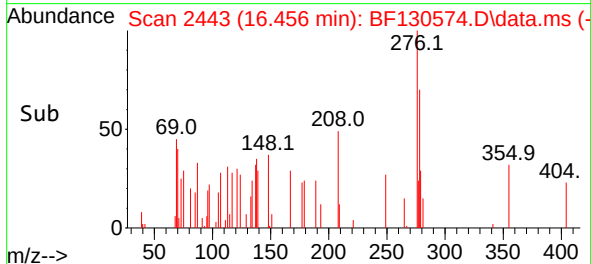
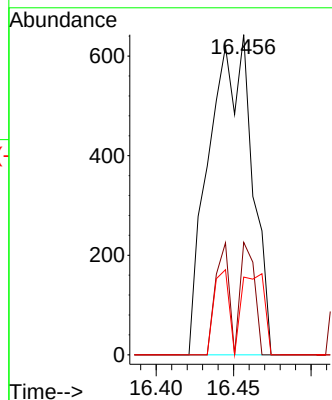
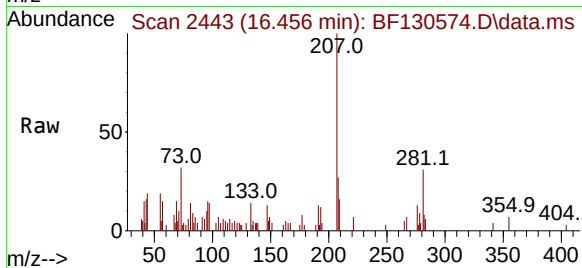
Tgt Ion:276 Resp: 1228

Ion Ratio Lower Upper

276 100

138 11.8 18.5 27.7#

277 13.5 20.2 30.4#



#88

Benzo(b)fluoranthene

Concen: 150.826 ng

RT: 14.751 min Scan# 2153

Delta R.T. -0.012 min

Lab File: BF130574.D

Acq: 07 Oct 2022 14:24

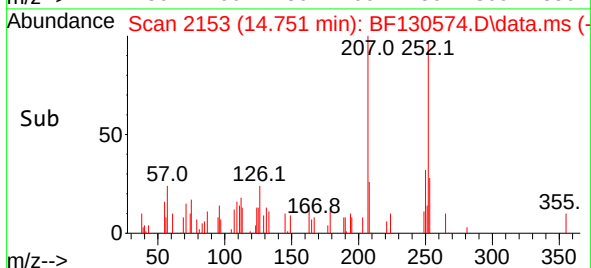
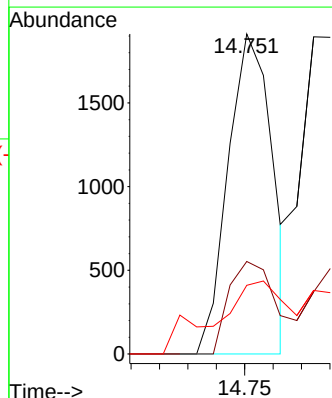
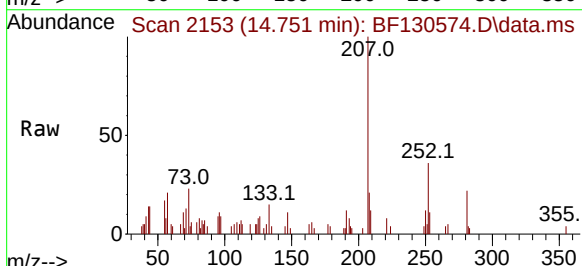
Tgt Ion:252 Resp: 2087

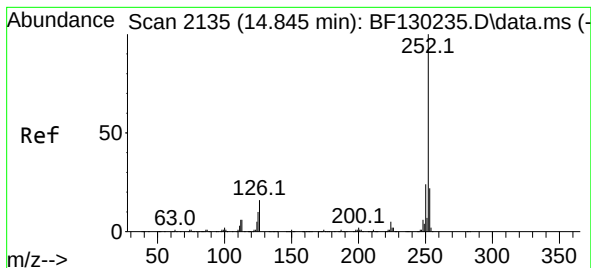
Ion Ratio Lower Upper

252 100

253 28.9 17.7 26.5#

125 21.4 8.1 12.1#





#89

Benzo(k)fluoranthene

Concen: 162.803 ng

RT: 14.774 min Scan# 2110

Delta R.T. -0.012 min

Lab File: BF130574.D

Acq: 07 Oct 2022 14:24

Instrument :

BNA\_F

ClientSampleId :

DFTPP

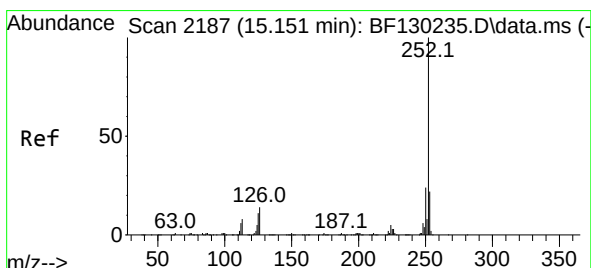
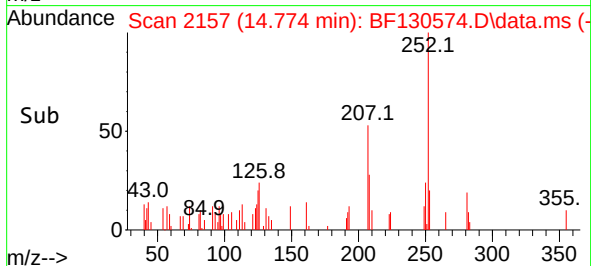
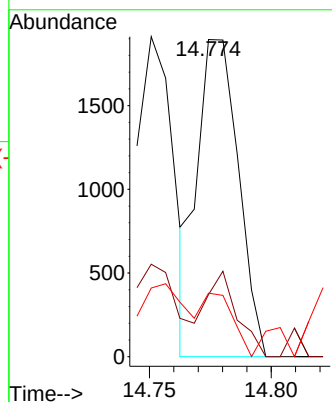
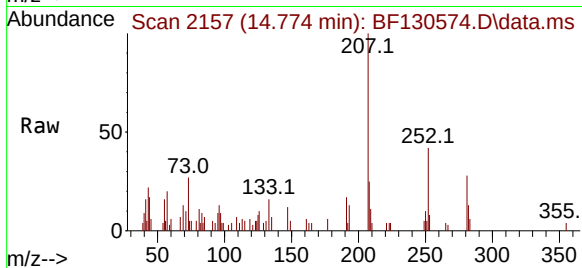
Tgt Ion:252 Resp: 2216

Ion Ratio Lower Upper

252 100

253 19.6 17.4 26.2

125 20.1 7.9 11.9#



#90

Benzo(a)pyrene

Concen: 127.710 ng

RT: 15.086 min Scan# 2210

Delta R.T. -0.006 min

Lab File: BF130574.D

Acq: 07 Oct 2022 14:24

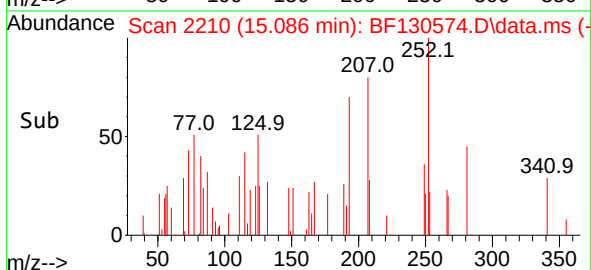
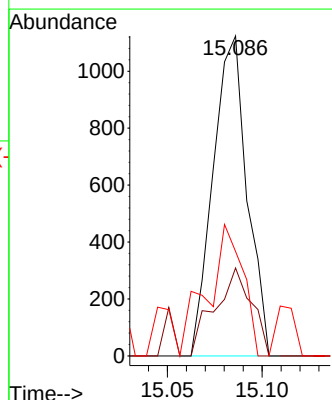
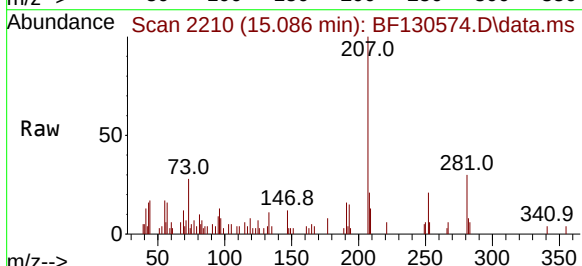
Tgt Ion:252 Resp: 1400

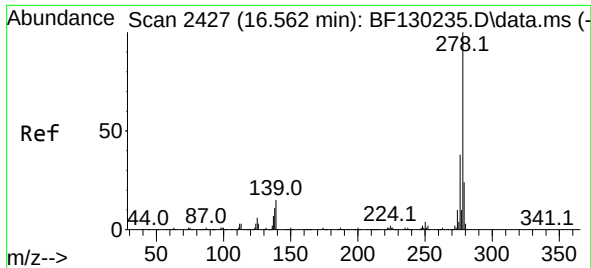
Ion Ratio Lower Upper

252 100

253 27.5 17.8 26.6#

125 32.7 9.0 13.6#

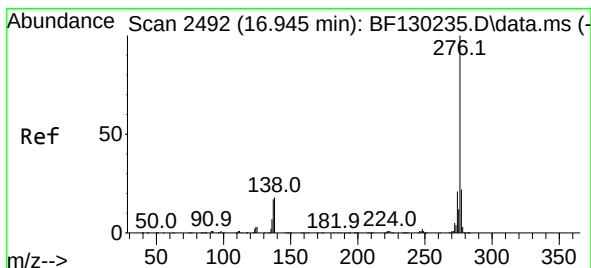
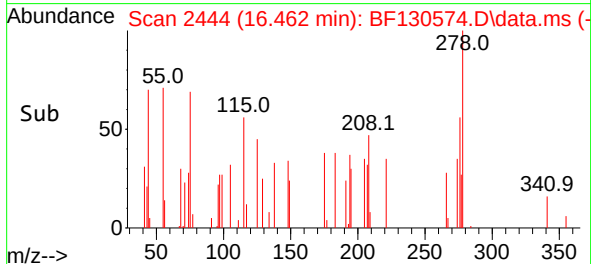
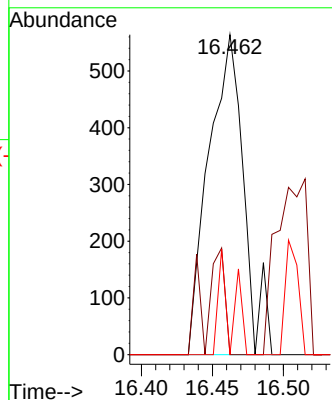
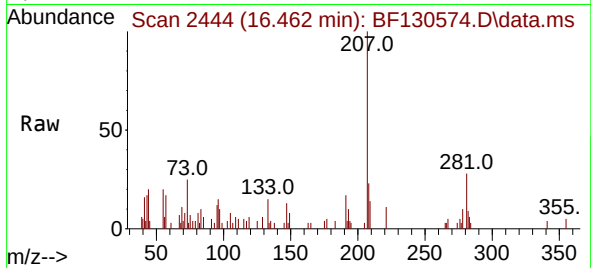




#91  
Dibenzo(a,h)anthracene  
Concen: 78.407 ng  
RT: 16.462 min Scan# 24  
Delta R.T. -0.012 min  
Lab File: BF130574.D  
Acq: 07 Oct 2022 14:24

Instrument :  
BNA\_F  
ClientSampleId :  
DFTPP

Tgt Ion:278 Resp: 967  
Ion Ratio Lower Upper  
278 100  
139 0.0 11.8 17.8#  
279 0.0 19.4 29.0#



#92  
Benzo(g,h,i)perylene  
Concen: 85.080 ng  
RT: 16.839 min Scan# 2508  
Delta R.T. -0.012 min  
Lab File: BF130574.D  
Acq: 07 Oct 2022 14:24

Tgt Ion:276 Resp: 1057  
Ion Ratio Lower Upper  
276 100  
277 0.0 18.6 27.8#  
138 44.1 14.6 21.8#

