

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF051222\  
 Data File : BF128221.D  
 Acq On : 12 May 2022 16:10  
 Operator : CG\JU  
 Sample : N2802-03  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DEEP-WC-1

Quant Time: May 13 05:15:14 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF050922.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon May 09 15:30:11 2022  
 Response via : Initial Calibration

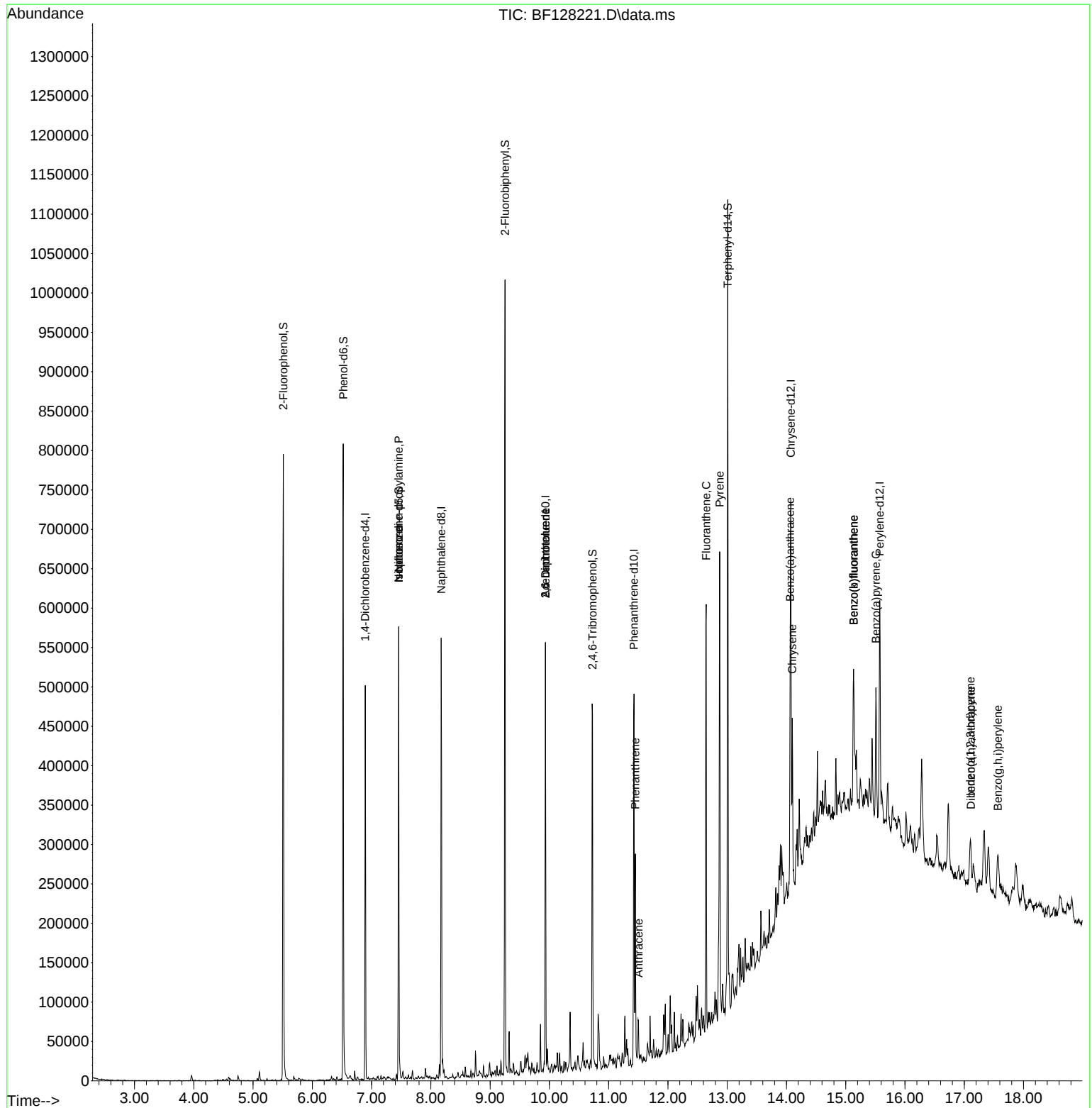
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.892  | 152  | 61186    | 20.000    | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.175  | 136  | 206742   | 20.000    | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.933  | 164  | 99735    | 20.000    | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.427 | 188  | 173084   | 20.000    | ng    | # 0.00   |
| 76) Chrysene-d12              | 14.074 | 240  | 142741   | 20.000    | ng    | 0.00     |
| 86) Perylene-d12              | 15.574 | 264  | 99548    | 20.000    | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.510  | 112  | 193084   | 50.306    | ng    | 0.00     |
| 7) Phenol-d6                  | 6.522  | 99   | 251116   | 49.465    | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.457  | 82   | 169650   | 36.924    | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.727 | 330  | 56964    | 49.801    | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.251  | 172  | 276499   | 43.379    | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.010 | 244  | 323156   | 42.481    | ng    | 0.00     |
| Target Compounds              |        |      |          |           |       |          |
|                               |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde               | 6.451  | 77   | 117      | Below Cal | #     | 1        |
| 19) n-Nitroso-di-n-propyla... | 7.457  | 70   | 23108    | 7.391 ng  | #     | 79       |
| 25) Isophorone                | 7.457  | 82   | 169646   | 23.551 ng | #     | 68       |
| 51) 2,6-Dinitrotoluene        | 9.933  | 165  | 13370    | 9.470 ng  | #     | 22       |
| 57) 2,4-Dinitrotoluene        | 9.933  | 165  | 13370    | 7.082 ng  | #     | 26       |
| 71) Phenanthrene              | 11.451 | 178  | 90183    | 10.464 ng |       | 99       |
| 72) Anthracene                | 11.504 | 178  | 22011    | 2.558 ng  |       | 99       |
| 75) Fluoranthene              | 12.645 | 202  | 218726   | 23.409 ng |       | 96       |
| 78) Pyrene                    | 12.874 | 202  | 220221   | 21.277 ng |       | 99       |
| 81) Benzo(a)anthracene        | 14.063 | 228  | 101944   | 11.181 ng |       | 98       |
| 83) Chrysene                  | 14.098 | 228  | 83590    | 9.609 ng  |       | 96       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.104 | 276  | 42634    | 7.080 ng  | #     | 94       |
| 88) Benzo(b)fluoranthene      | 15.133 | 252  | 127952   | 20.735 ng | #     | 92       |
| 89) Benzo(k)fluoranthene      | 15.133 | 252  | 127952   | 21.005 ng | #     | 91       |
| 90) Benzo(a)pyrene            | 15.510 | 252  | 69637    | 13.978 ng |       | 97       |
| 91) Dibenzo(a,h)anthracene    | 17.115 | 278  | 9937     | 2.038 ng  | #     | 85       |
| 92) Benzo(g,h,i)perylene      | 17.568 | 276  | 44617    | 9.039 ng  |       | 95       |
| -----                         |        |      |          |           |       |          |

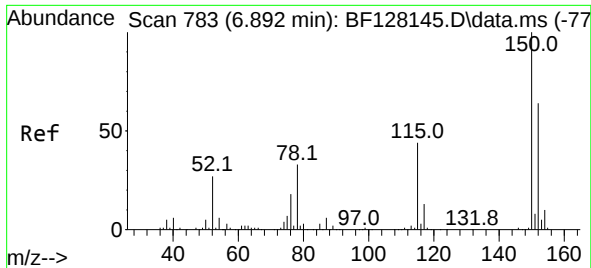
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF051222\  
Data File : BF128221.D  
Acq On : 12 May 2022 16:10  
Operator : CG\JU  
Sample : N2802-03  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DEEP-WC-1

Quant Time: May 13 05:15:14 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF050922.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon May 09 15:30:11 2022  
Response via : Initial Calibration

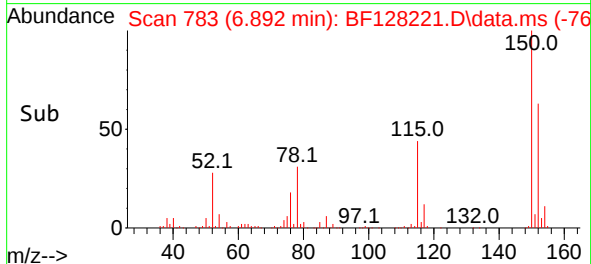
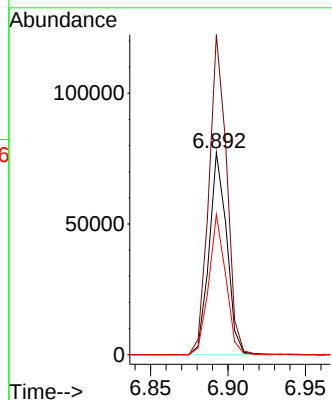
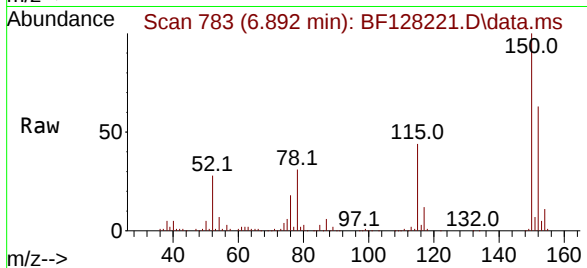




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.892 min Scan# 71  
 Delta R.T. 0.000 min  
 Lab File: BF128221.D  
 Acq: 12 May 2022 16:10

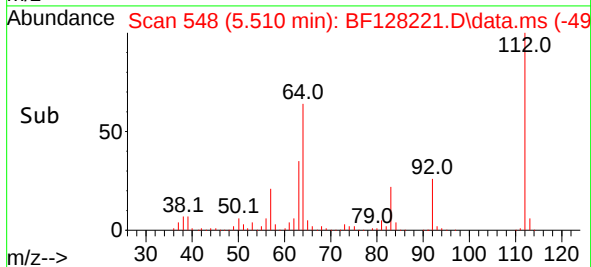
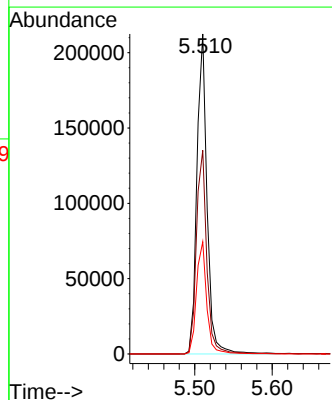
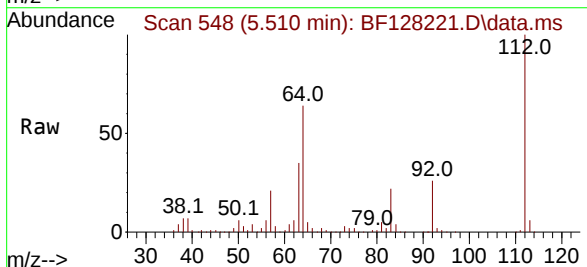
Instrument :  
 BNA\_F  
 ClientSampleId :  
 DEEP-WC-1

Tgt Ion:152 Resp: 61186  
 Ion Ratio Lower Upper  
 152 100  
 150 158.3 125.3 187.9  
 115 69.3 48.8 73.2



#5  
 2-Fluorophenol  
 Concen: 50.306 ng  
 RT: 5.510 min Scan# 548  
 Delta R.T. -0.006 min  
 Lab File: BF128221.D  
 Acq: 12 May 2022 16:10

Tgt Ion:112 Resp: 193084  
 Ion Ratio Lower Upper  
 112 100  
 64 63.6 49.5 74.3  
 63 35.0 26.3 39.5

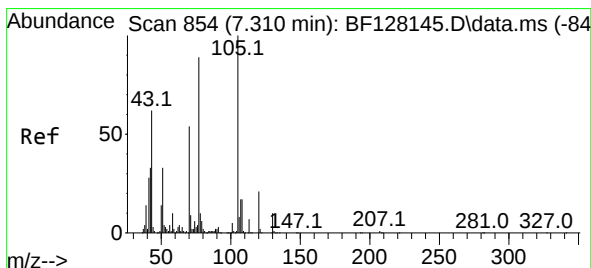
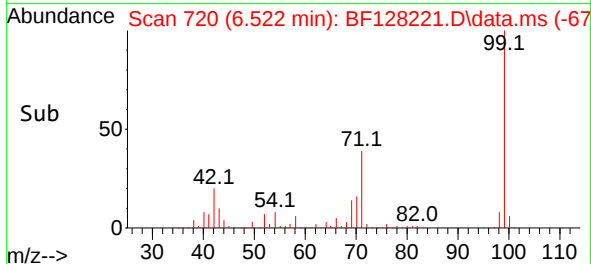
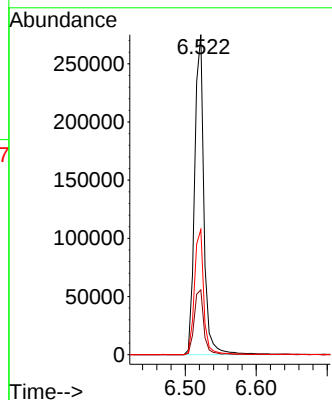
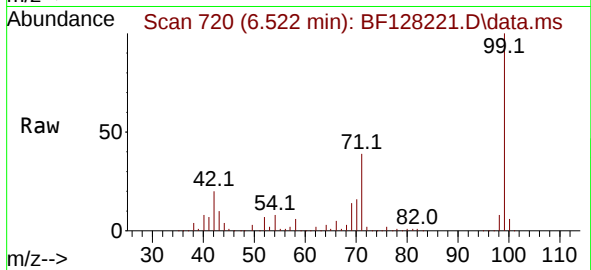




#7  
Phenol-d6  
Concen: 49.465 ng  
RT: 6.522 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF128221.D  
Acq: 12 May 2022 16:10

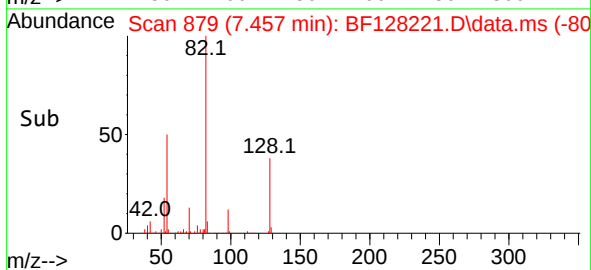
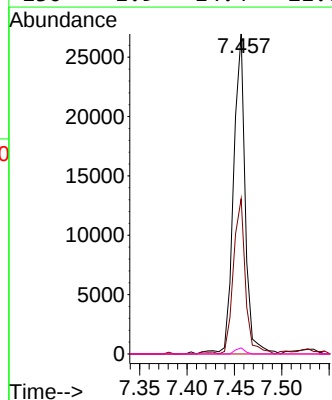
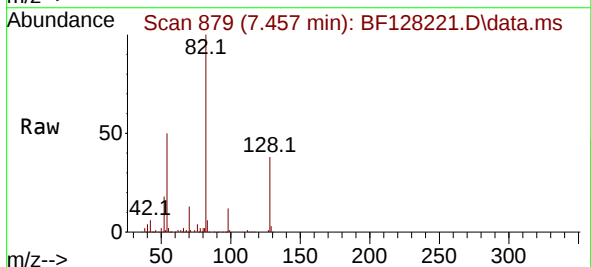
Instrument :  
BNA\_F  
ClientSampleId :  
DEEP-WC-1

Tgt Ion: 99 Resp: 251116  
Ion Ratio Lower Upper  
99 100  
42 20.3 16.6 24.8  
71 39.1 30.0 45.0



#19  
n-Nitroso-di-n-propylamine  
Concen: 7.391 ng  
RT: 7.457 min Scan# 879  
Delta R.T. 0.147 min  
Lab File: BF128221.D  
Acq: 12 May 2022 16:10

Tgt Ion: 70 Resp: 23108  
Ion Ratio Lower Upper  
70 100  
42 48.5 48.7 73.1#  
101 0.0 7.2 10.8#  
130 1.9 14.4 21.6#



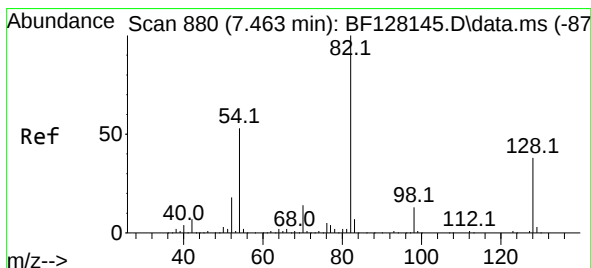
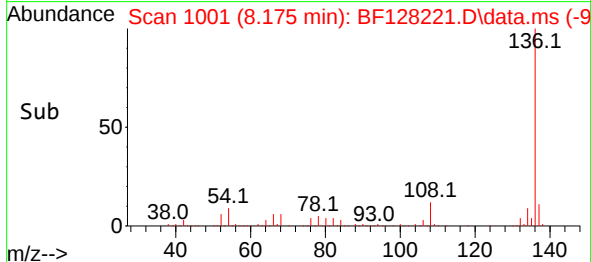
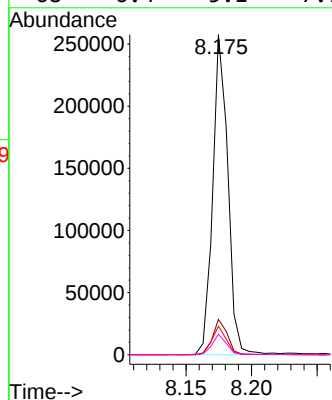
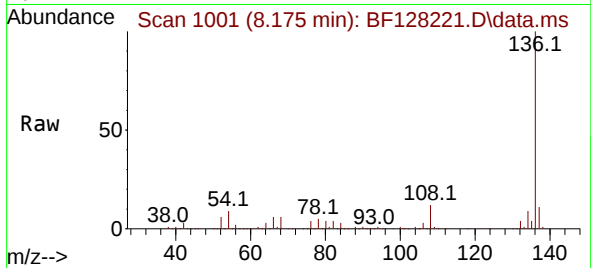


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.175 min Scan# 1002  
Delta R.T. -0.006 min  
Lab File: BF128221.D  
Acq: 12 May 2022 16:10

Instrument :  
BNA\_F  
ClientSampleId :  
DEEP-WC-1

Tgt Ion:136 Resp: 206742

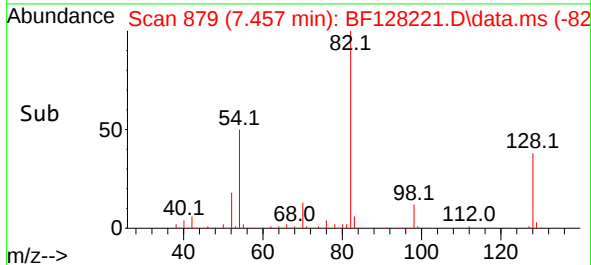
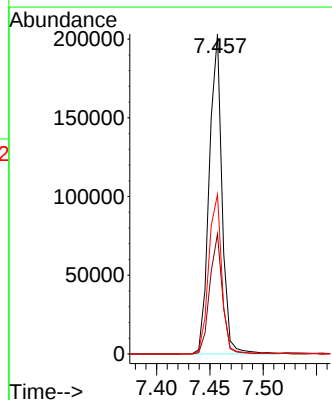
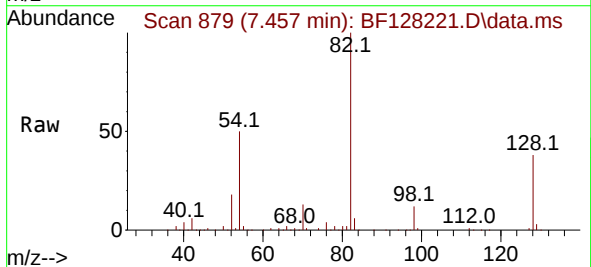
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.0  | 8.6   | 13.0  |
| 54  | 8.9   | 6.8   | 10.2  |
| 68  | 6.4   | 5.1   | 7.7   |

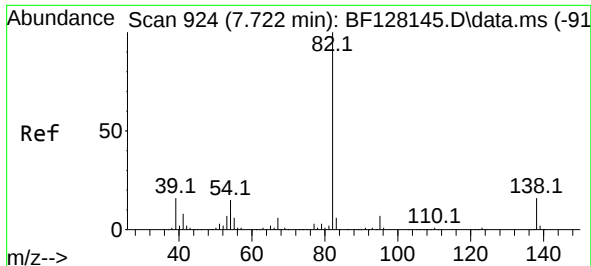


#23  
Nitrobenzene-d5  
Concen: 36.924 ng  
RT: 7.457 min Scan# 879  
Delta R.T. -0.006 min  
Lab File: BF128221.D  
Acq: 12 May 2022 16:10

Tgt Ion: 82 Resp: 169650

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 37.5  | 30.0  | 45.0  |
| 54  | 49.9  | 41.3  | 61.9  |

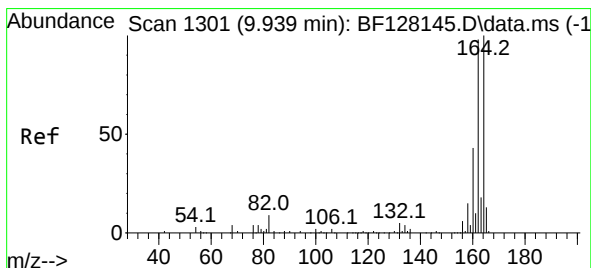
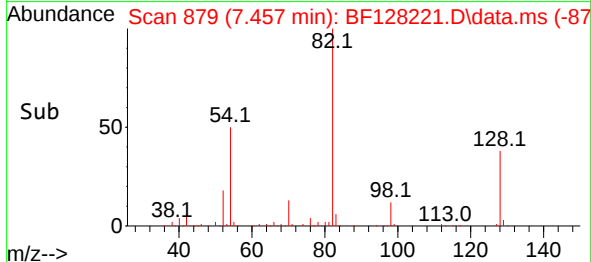
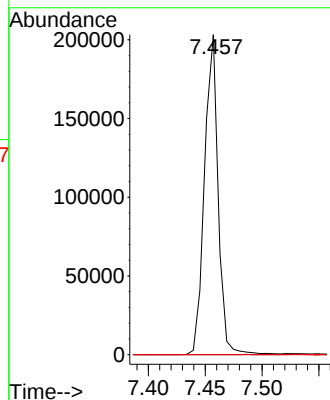
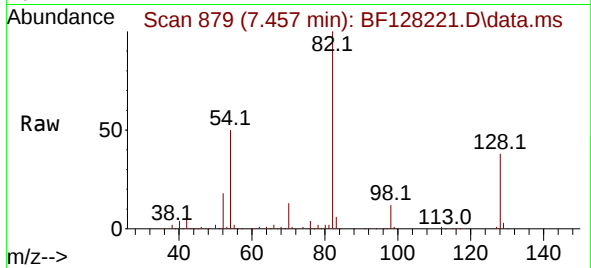




#25  
Isophorone  
Concen: 23.551 ng  
RT: 7.457 min Scan# 81  
Delta R.T. -0.265 min  
Lab File: BF128221.D  
Acq: 12 May 2022 16:10

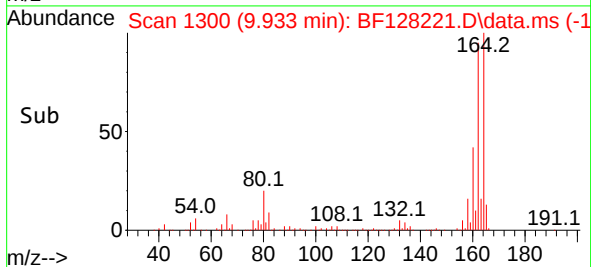
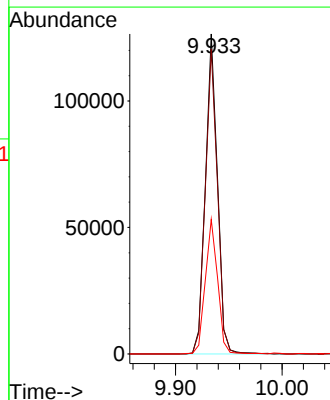
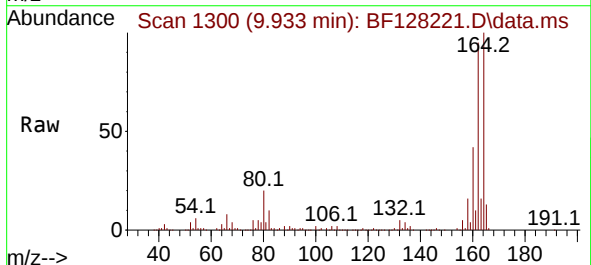
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ClientSampleId :  
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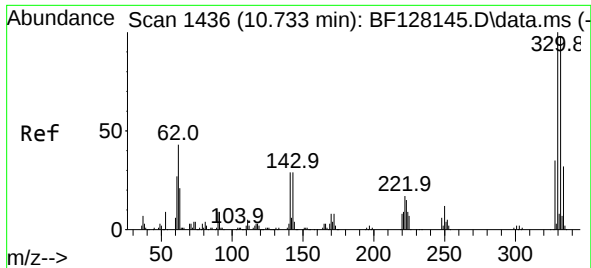
Tgt Ion: 82 Resp: 169646  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.6 8.4#  
138 0.0 12.5 18.7#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.933 min Scan# 1300  
Delta R.T. -0.006 min  
Lab File: BF128221.D  
Acq: 12 May 2022 16:10

Tgt Ion:164 Resp: 99735  
Ion Ratio Lower Upper  
164 100  
162 95.2 76.0 114.0  
160 42.0 34.8 52.2

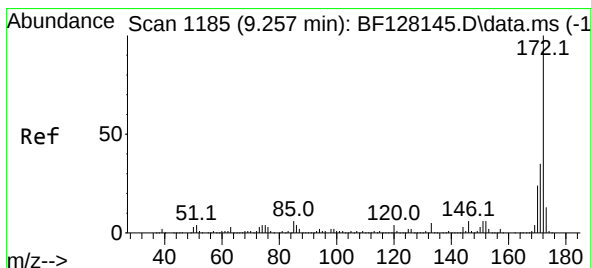
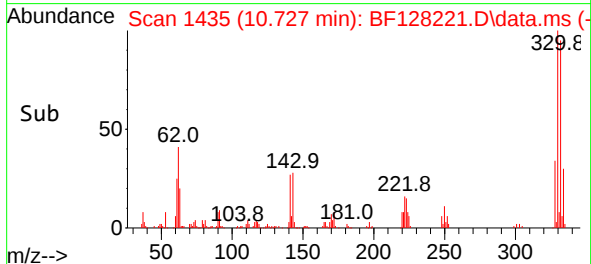
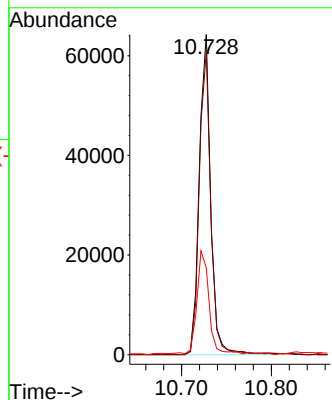
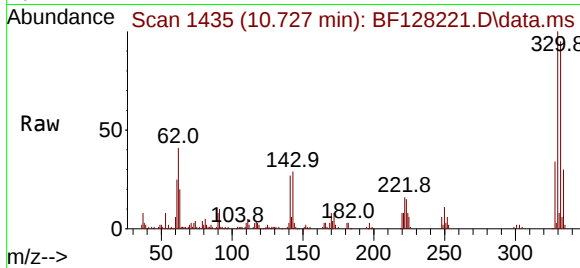




#42  
2,4,6-Tribromophenol  
Concen: 49.801 ng  
RT: 10.727 min Scan# 1435  
Delta R.T. -0.006 min  
Lab File: BF128221.D  
Acq: 12 May 2022 16:10

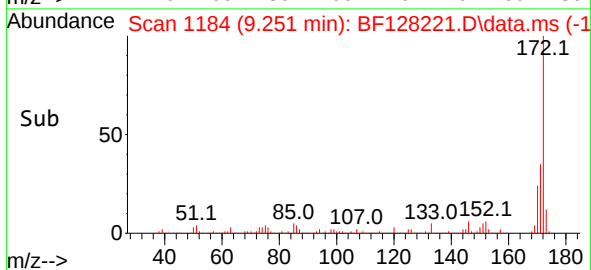
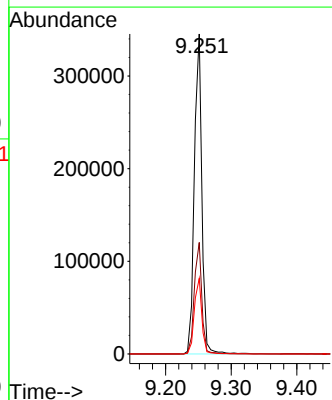
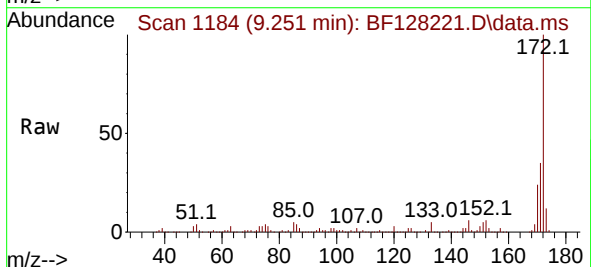
Instrument :  
BNA\_F  
ClientSampleId :  
DEEP-WC-1

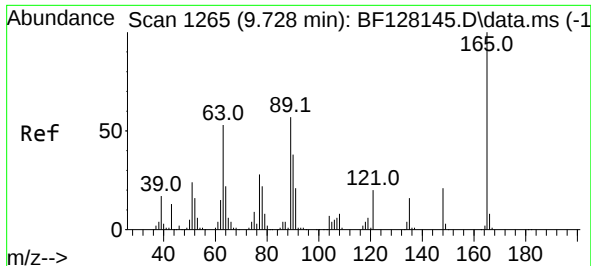
Tgt Ion:330 Resp: 56964  
Ion Ratio Lower Upper  
330 100  
332 95.0 79.0 118.4  
141 33.9 28.9 43.3



#45  
2-Fluorobiphenyl  
Concen: 43.379 ng  
RT: 9.251 min Scan# 1184  
Delta R.T. -0.006 min  
Lab File: BF128221.D  
Acq: 12 May 2022 16:10

Tgt Ion:172 Resp: 276499  
Ion Ratio Lower Upper  
172 100  
171 34.9 28.6 42.8  
170 23.6 19.1 28.7





#51

2,6-Dinitrotoluene

Concen: 9.470 ng

RT: 9.933 min Scan# 1

Delta R.T. 0.206 min

Lab File: BF128221.D

Acq: 12 May 2022 16:10

Instrument :

BNA\_F

ClientSampleId :

DEEP-WC-1

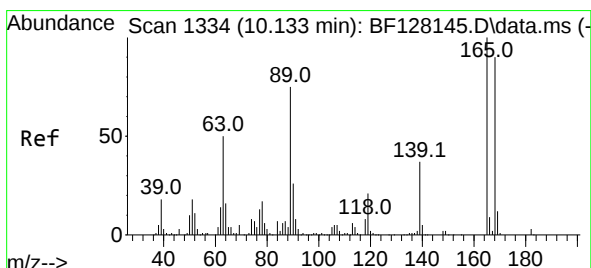
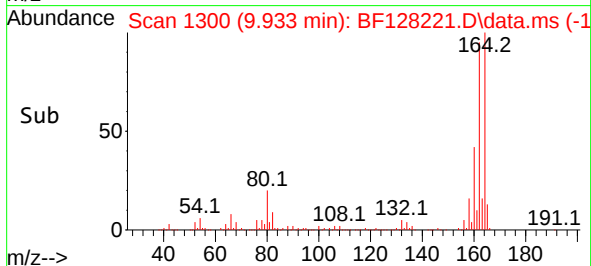
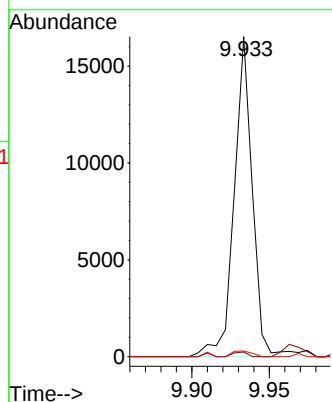
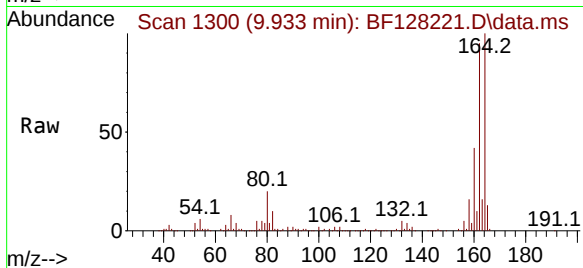
Tgt Ion:165 Resp: 13370

Ion Ratio Lower Upper

165 100

63 1.5 49.5 74.3#

89 1.7 49.0 73.4#



#57

2,4-Dinitrotoluene

Concen: 7.082 ng

RT: 9.933 min Scan# 1300

Delta R.T. -0.200 min

Lab File: BF128221.D

Acq: 12 May 2022 16:10

Tgt Ion:165 Resp: 13370

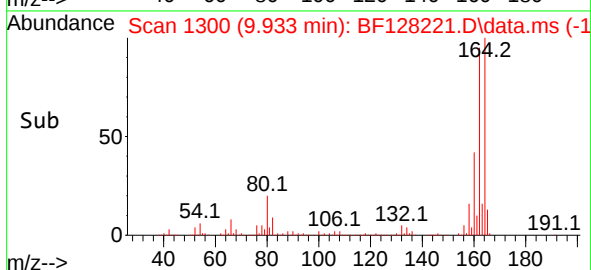
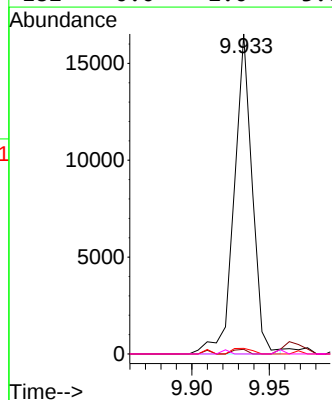
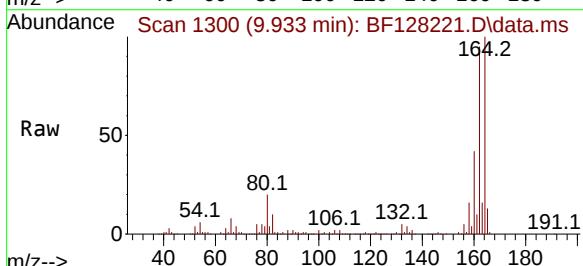
Ion Ratio Lower Upper

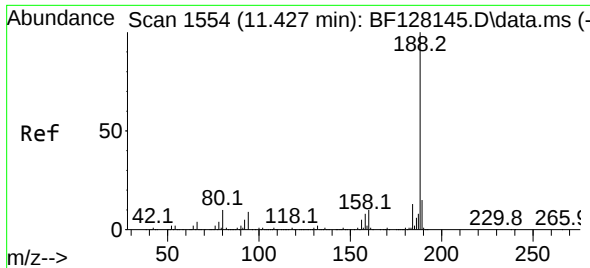
165 100

63 1.5 32.6 49.0#

89 1.7 55.2 82.8#

182 0.0 2.0 3.0#

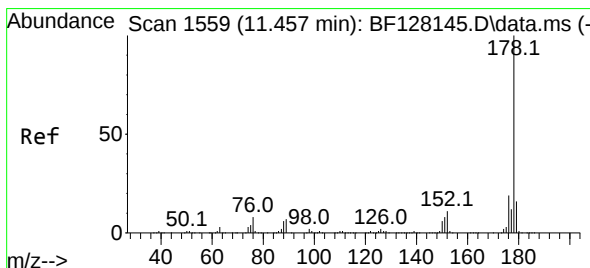
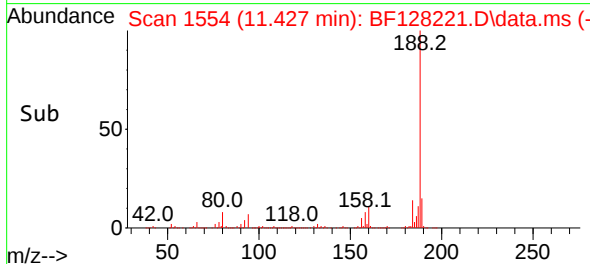
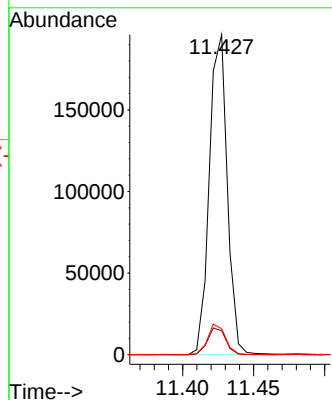
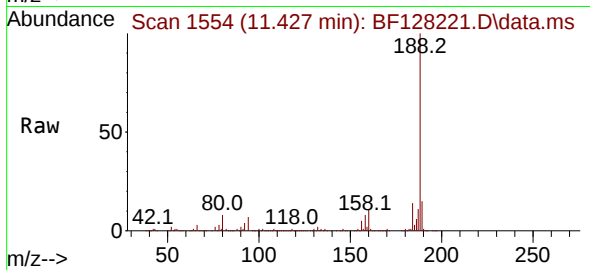




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.427 min Scan# 1554  
Delta R.T. -0.000 min  
Lab File: BF128221.D  
Acq: 12 May 2022 16:10

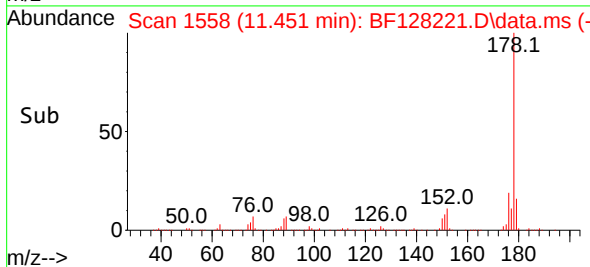
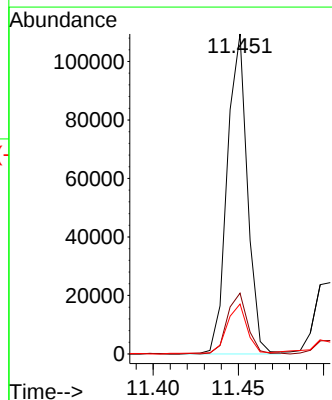
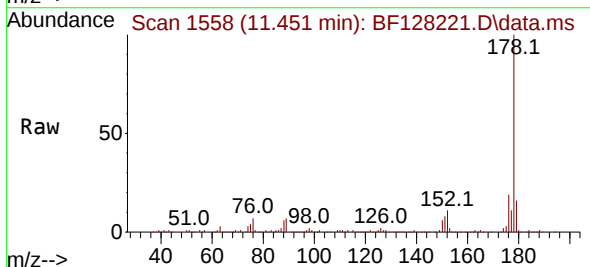
Instrument :  
BNA\_F  
ClientSampleId :  
DEEP-WC-1

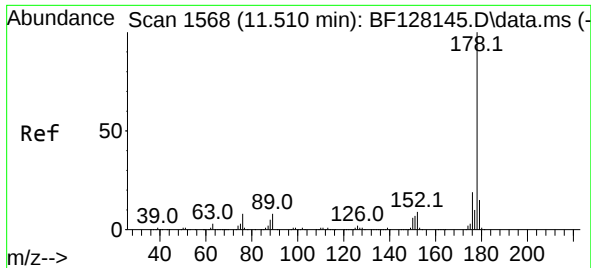
Tgt Ion:188 Resp: 173084  
Ion Ratio Lower Upper  
188 100  
94 7.5 8.0 12.0#  
80 8.1 8.9 13.3#



#71  
Phenanthrene  
Concen: 10.464 ng  
RT: 11.451 min Scan# 1558  
Delta R.T. -0.006 min  
Lab File: BF128221.D  
Acq: 12 May 2022 16:10

Tgt Ion:178 Resp: 90183  
Ion Ratio Lower Upper  
178 100  
176 19.0 15.7 23.5  
179 15.6 12.6 19.0

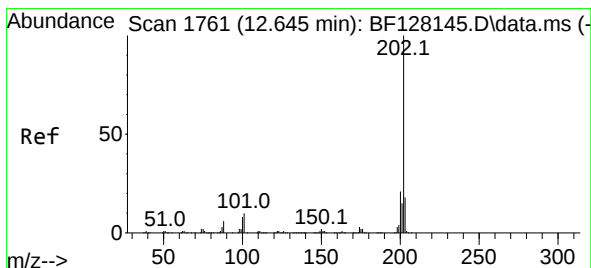
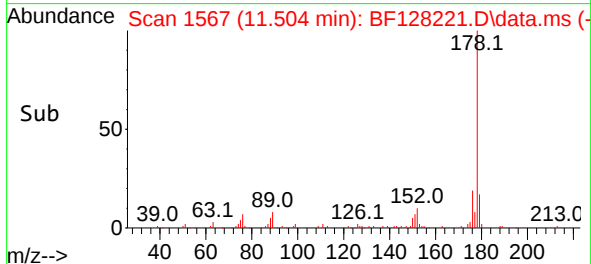
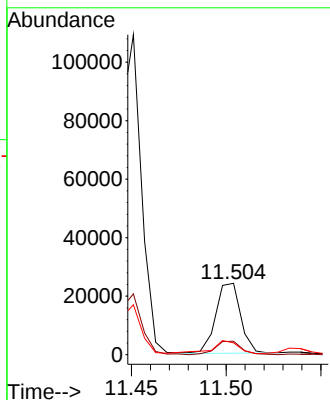
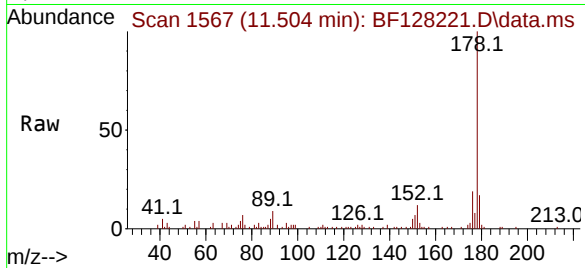




#72  
 Anthracene  
 Concen: 2.558 ng  
 RT: 11.504 min Scan# 11568  
 Delta R.T. -0.006 min  
 Lab File: BF128221.D  
 Acq: 12 May 2022 16:10

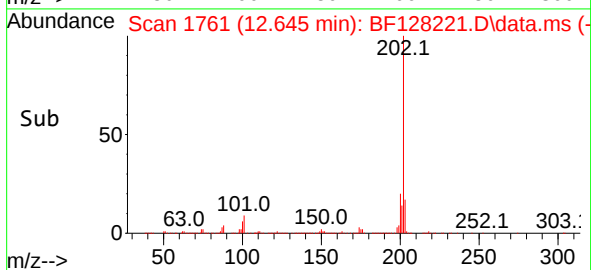
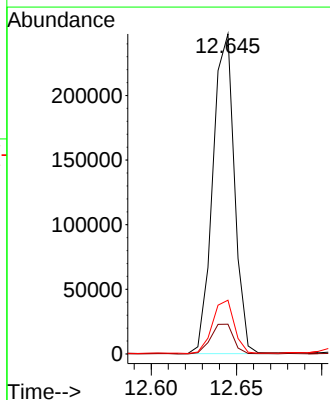
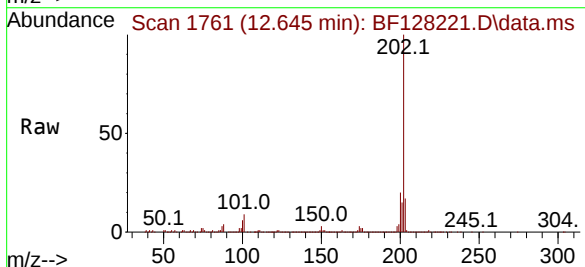
Instrument :  
 BNA\_F  
 ClientSampleId :  
 DEEP-WC-1

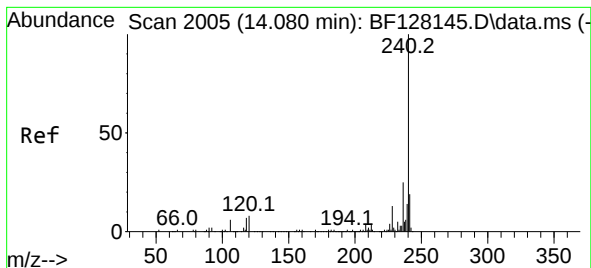
Tgt Ion:178 Resp: 22011  
 Ion Ratio Lower Upper  
 178 100  
 176 18.9 15.0 22.6  
 179 16.7 12.4 18.6



#75  
 Fluoranthene  
 Concen: 23.409 ng  
 RT: 12.645 min Scan# 1761  
 Delta R.T. -0.000 min  
 Lab File: BF128221.D  
 Acq: 12 May 2022 16:10

Tgt Ion:202 Resp: 218726  
 Ion Ratio Lower Upper  
 202 100  
 101 9.3 0.0 31.6  
 203 16.8 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.074 min Scan# 2005

Delta R.T. -0.006 min

Lab File: BF128221.D

Acq: 12 May 2022 16:10

Instrument :

BNA\_F

ClientSampleId :

DEEP-WC-1

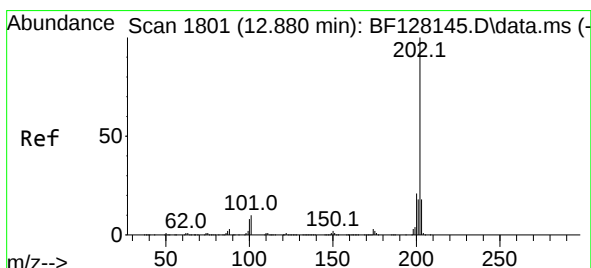
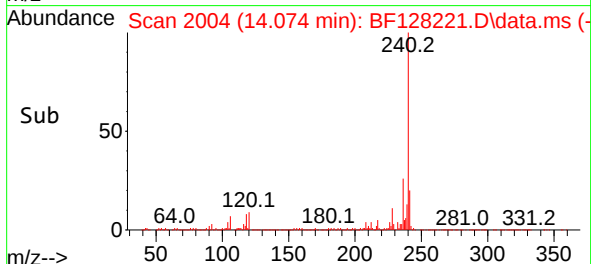
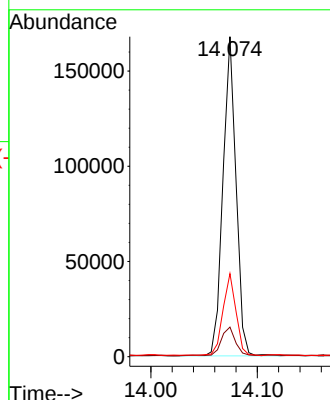
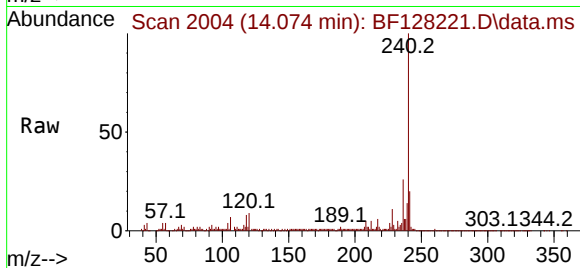
Tgt Ion:240 Resp: 142741

Ion Ratio Lower Upper

240 100

120 9.3 7.0 10.6

236 25.9 20.3 30.5



#78

Pyrene

Concen: 21.277 ng

RT: 12.874 min Scan# 1800

Delta R.T. -0.006 min

Lab File: BF128221.D

Acq: 12 May 2022 16:10

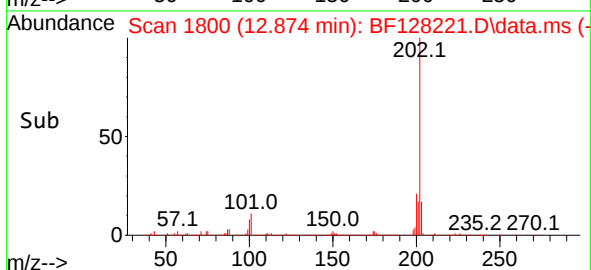
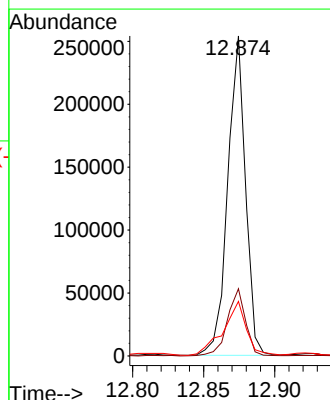
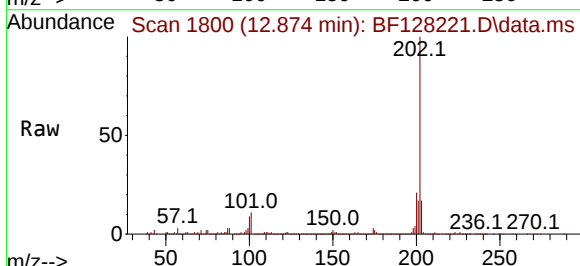
Tgt Ion:202 Resp: 220221

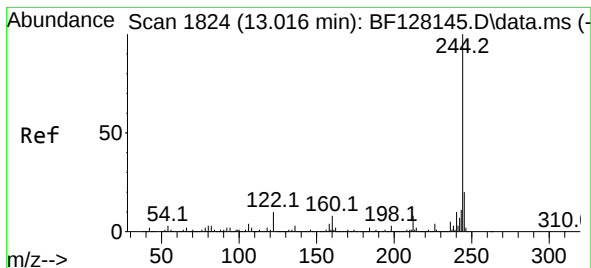
Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.2

203 17.1 14.0 21.0





#79

Terphenyl-d14

Concen: 42.481 ng

RT: 13.010 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF128221.D

Acq: 12 May 2022 16:10

Instrument :

BNA\_F

ClientSampleId :

DEEP-WC-1

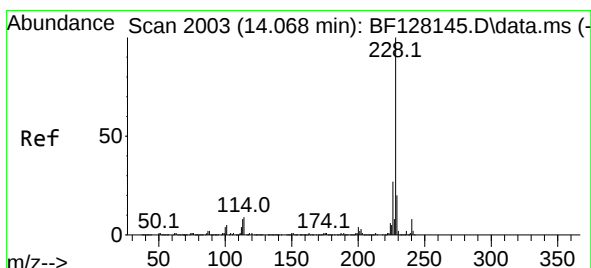
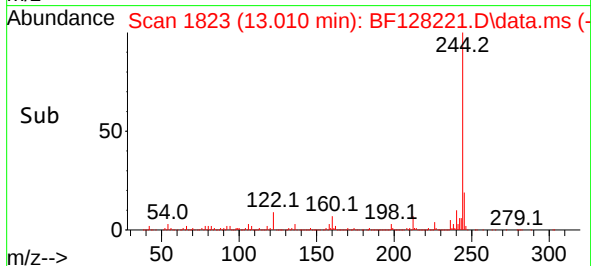
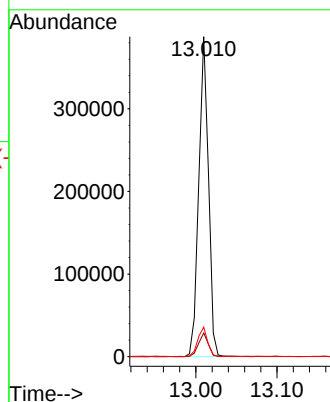
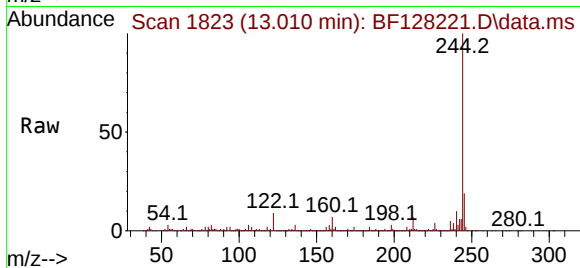
Tgt Ion:244 Resp: 323156

Ion Ratio Lower Upper

244 100

212 7.4 6.2 9.4

122 9.2 8.6 12.8



#81

Benzo(a)anthracene

Concen: 11.181 ng

RT: 14.063 min Scan# 2002

Delta R.T. -0.006 min

Lab File: BF128221.D

Acq: 12 May 2022 16:10

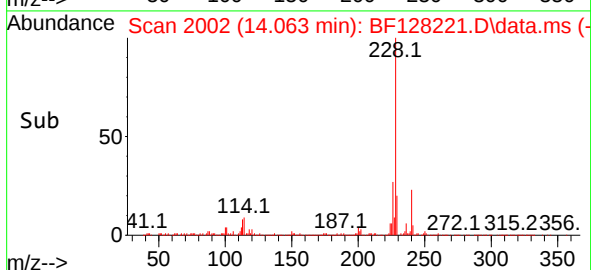
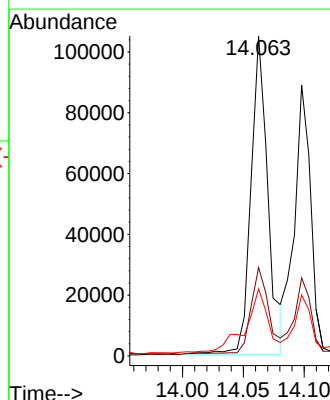
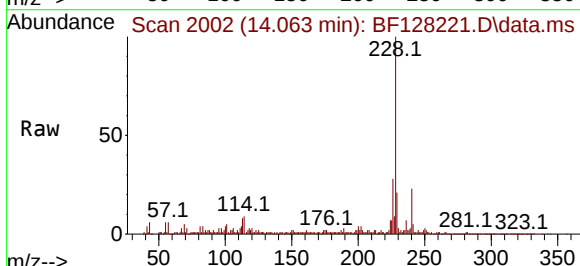
Tgt Ion:228 Resp: 101944

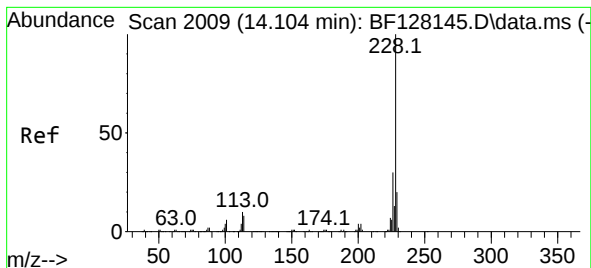
Ion Ratio Lower Upper

228 100

226 27.7 21.7 32.5

229 21.0 15.4 23.2





#83

Chrysene

Concen: 9.609 ng

RT: 14.098 min Scan# 2009

Delta R.T. -0.006 min

Lab File: BF128221.D

Acq: 12 May 2022 16:10

Instrument :

BNA\_F

ClientSampleId :

DEEP-WC-1

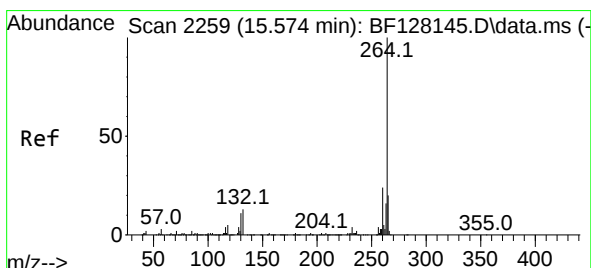
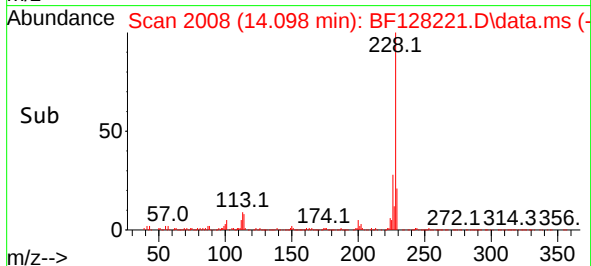
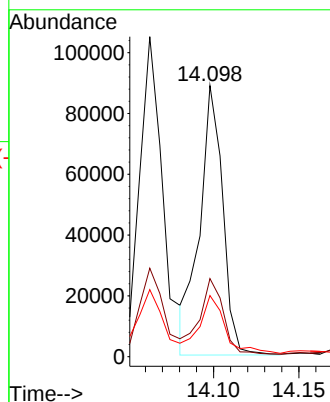
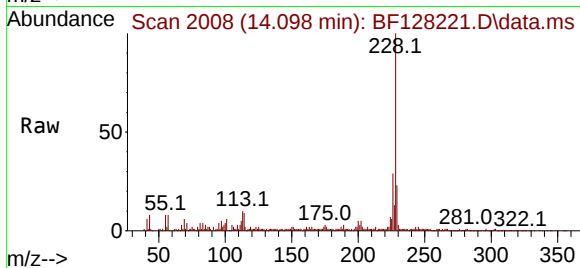
Tgt Ion:228 Resp: 83590

Ion Ratio Lower Upper

228 100

226 28.8 24.4 36.6

229 22.6 15.8 23.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.574 min Scan# 2259

Delta R.T. -0.000 min

Lab File: BF128221.D

Acq: 12 May 2022 16:10

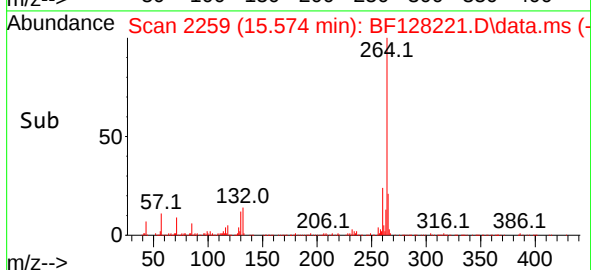
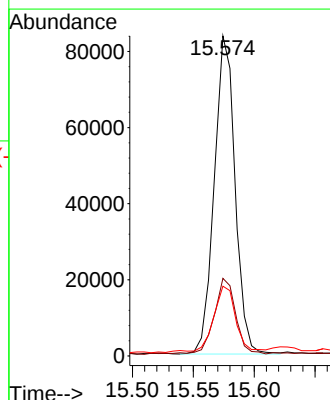
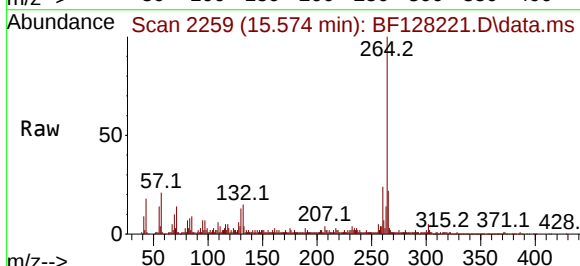
Tgt Ion:264 Resp: 99548

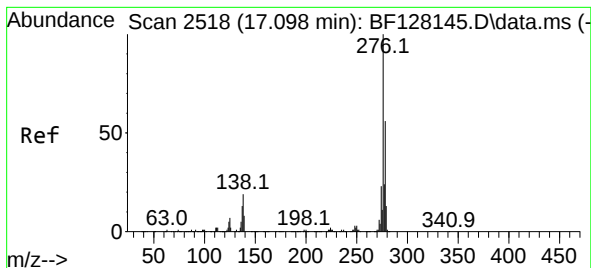
Ion Ratio Lower Upper

264 100

260 24.3 20.1 30.1

265 21.8 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.080 ng

RT: 17.104 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF128221.D

Acq: 12 May 2022 16:10

Instrument :

BNA\_F

ClientSampleId :

DEEP-WC-1

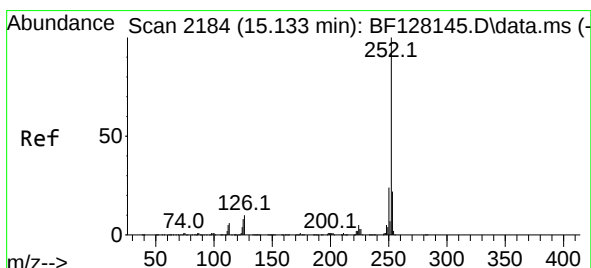
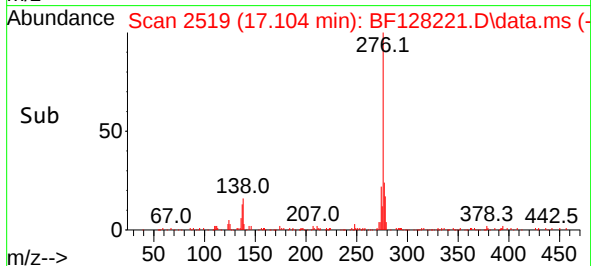
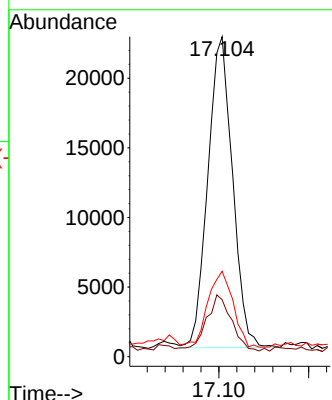
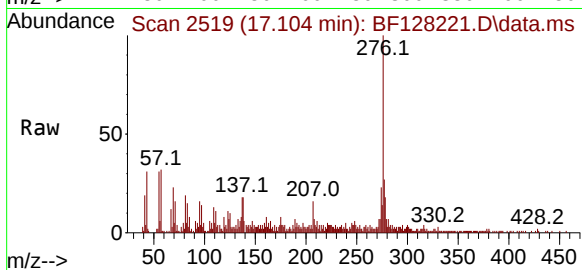
Tgt Ion:276 Resp: 42634

Ion Ratio Lower Upper

276 100

138 18.2 19.0 28.4#

277 24.9 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 20.735 ng

RT: 15.133 min Scan# 2184

Delta R.T. -0.000 min

Lab File: BF128221.D

Acq: 12 May 2022 16:10

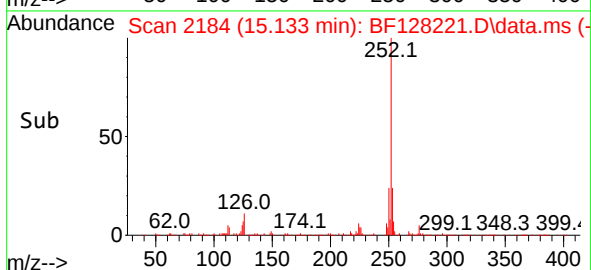
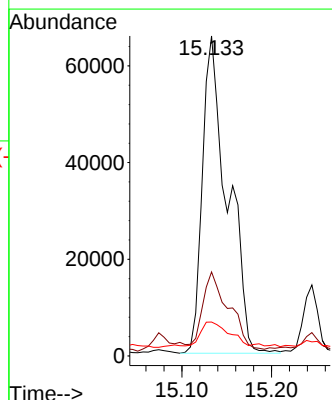
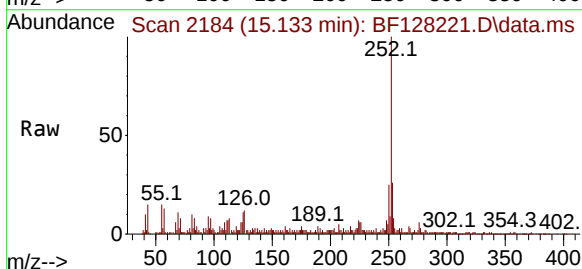
Tgt Ion:252 Resp: 127952

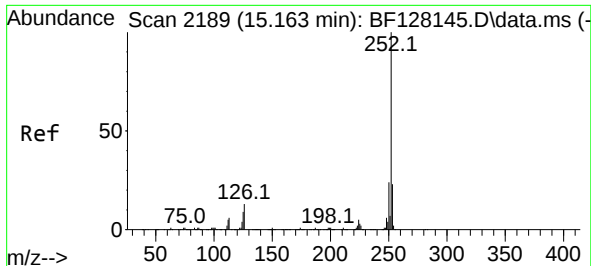
Ion Ratio Lower Upper

252 100

253 26.2 17.4 26.2#

125 10.6 7.4 11.2





#89

Benzo(k)fluoranthene

Concen: 21.005 ng

RT: 15.133 min Scan# 2189

Delta R.T. -0.029 min

Lab File: BF128221.D

Acq: 12 May 2022 16:10

Instrument :

BNA\_F

ClientSampleId :

DEEP-WC-1

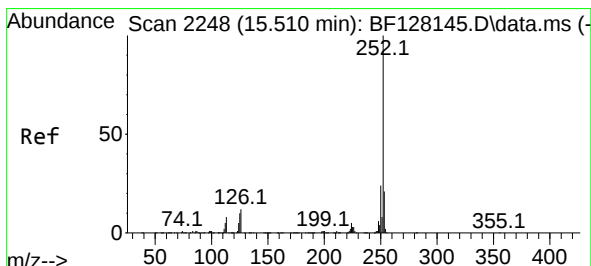
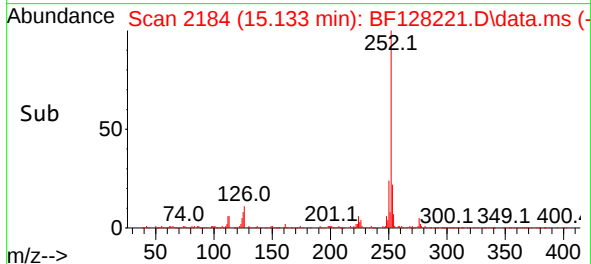
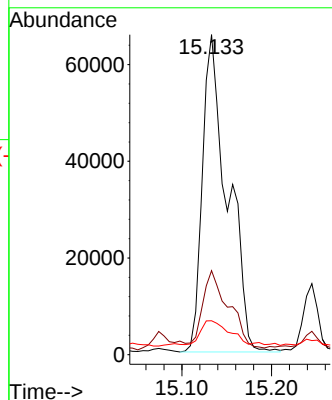
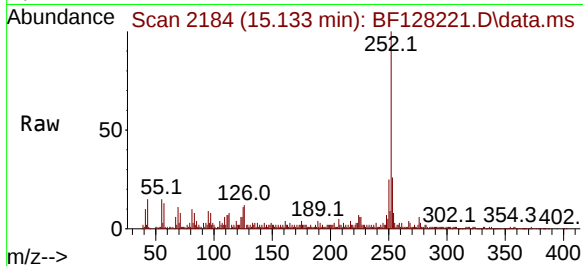
Tgt Ion:252 Resp: 127952

Ion Ratio Lower Upper

252 100

253 26.2 17.0 25.4#

125 10.6 6.8 10.2#



#90

Benzo(a)pyrene

Concen: 13.978 ng

RT: 15.510 min Scan# 2248

Delta R.T. -0.000 min

Lab File: BF128221.D

Acq: 12 May 2022 16:10

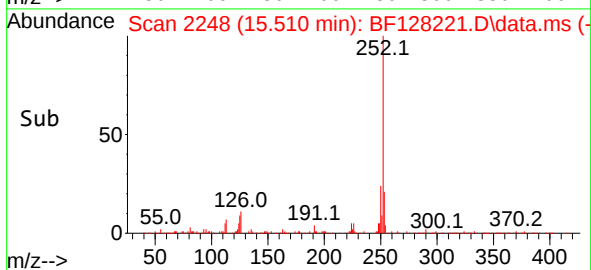
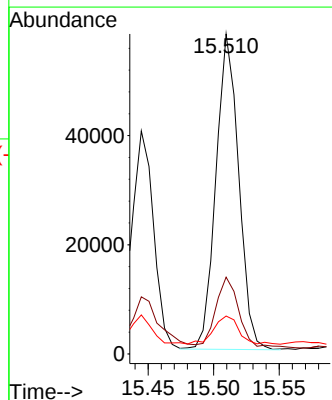
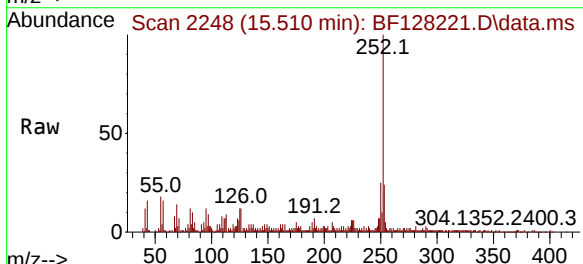
Tgt Ion:252 Resp: 69637

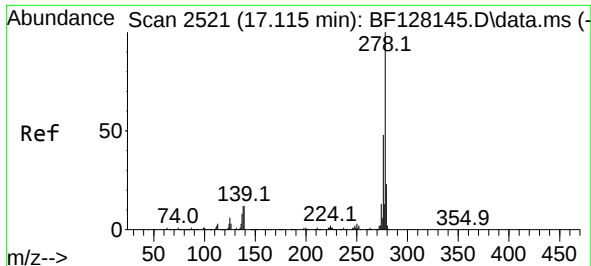
Ion Ratio Lower Upper

252 100

253 24.0 17.8 26.6

125 11.8 9.2 13.8

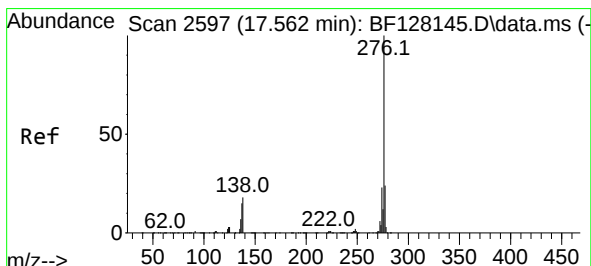
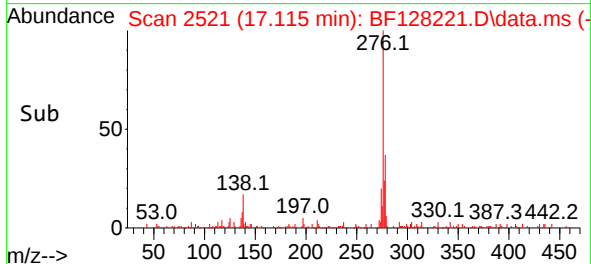
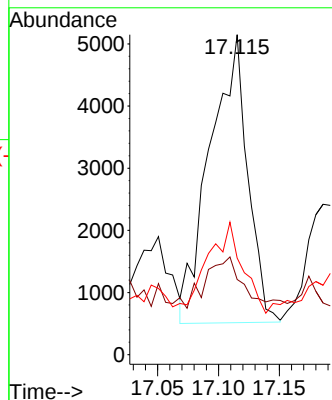
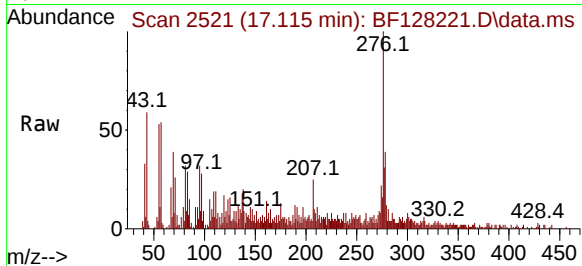




#91  
Dibenzo(a,h)anthracene  
Concen: 2.038 ng  
RT: 17.115 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: BF128221.D  
Acq: 12 May 2022 16:10

Instrument :  
BNA\_F  
ClientSampleId :  
DEEP-WC-1

Tgt Ion:278 Resp: 9937  
Ion Ratio Lower Upper  
278 100  
139 23.5 12.6 19.0#  
279 30.2 18.9 28.3#



#92  
Benzo(g,h,i)perylene  
Concen: 9.039 ng  
RT: 17.568 min Scan# 2598  
Delta R.T. 0.006 min  
Lab File: BF128221.D  
Acq: 12 May 2022 16:10

Tgt Ion:276 Resp: 44617  
Ion Ratio Lower Upper  
276 100  
277 25.9 18.8 28.2  
138 18.0 16.2 24.2

