

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF082922\  
 Data File : BF130047.D  
 Acq On : 29 Aug 2022 22:14  
 Operator : CG\JU  
 Sample : N4378-01 10XRE  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CL-01-082522

Quant Time: Aug 30 01:33:29 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF081422.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 30 01:22:56 2022  
 Response via : Initial Calibration

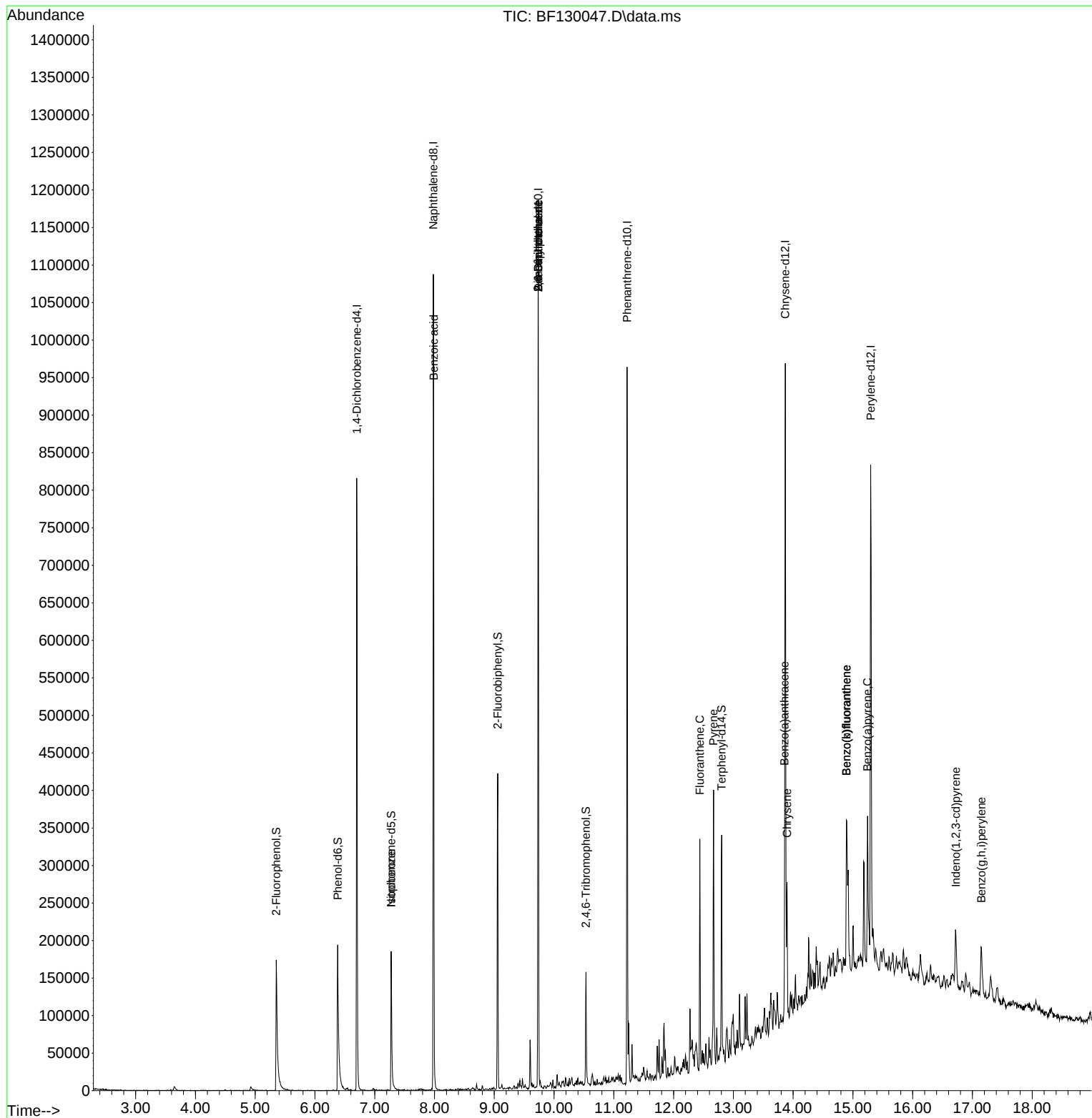
| Compound                    | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-----------------------------|--------|------|----------|-----------|-------|----------|
| -----                       |        |      |          |           |       |          |
| Internal Standards          |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.698  | 152  | 121903   | 20.000    | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.981  | 136  | 460308   | 20.000    | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.734  | 164  | 216578   | 20.000    | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.222 | 188  | 300872   | 20.000    | ng    | 0.00     |
| 76) Chrysene-d12            | 13.869 | 240  | 250973   | 20.000    | ng    | 0.00     |
| 86) Perylene-d12            | 15.298 | 264  | 287090   | 20.000    | ng    | 0.00     |
|                             |        |      |          |           |       |          |
| System Monitoring Compounds |        |      |          |           |       |          |
| 5) 2-Fluorophenol           | 5.351  | 112  | 77787    | 10.565    | ng    | 0.02     |
| 7) Phenol-d6                | 6.381  | 99   | 99468    | 10.788    | ng    | 0.01     |
| 23) Nitrobenzene-d5         | 7.275  | 82   | 61600    | 7.164     | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.534 | 330  | 17052    | 7.845     | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.057  | 172  | 117253   | 8.223     | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.804 | 244  | 93123    | 6.174     | ng    | 0.00     |
|                             |        |      |          |           |       |          |
| Target Compounds            |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde             | 6.381  | 77   | 115      | Below Cal | #     | 1        |
| 25) Isophorone              | 7.275  | 82   | 61600    | 4.162     | ng    | # 65     |
| 32) Benzoic acid            | 7.987  | 122  | 84       | 2.189     | ng    | # 1      |
| 50) Dimethylphthalate       | 9.734  | 163  | 37919    | 2.442     | ng    | # 1      |
| 51) 2,6-Dinitrotoluene      | 9.734  | 165  | 28344    | 8.416     | ng    | # 23     |
| 57) 2,4-Dinitrotoluene      | 9.734  | 165  | 28344    | 6.483     | ng    | # 18     |
| 75) Fluoranthene            | 12.439 | 202  | 97570    | 5.674     | ng    | 99       |
| 77) Benzidine               | 12.604 | 184  | 322      | Below Cal | #     | 67       |
| 78) Pyrene                  | 12.669 | 202  | 131686   | 6.038     | ng    | 99       |
| 81) Benzo(a)anthracene      | 13.857 | 228  | 75374    | 4.366     | ng    | 99       |
| 83) Chrysene                | 13.898 | 228  | 72894    | 4.510     | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene  | 16.721 | 276  | 53430    | 2.711     | ng    | # 91     |
| 88) Benzo(b)fluoranthene    | 14.892 | 252  | 146220   | 7.438     | ng    | 97       |
| 89) Benzo(k)fluoranthene    | 14.892 | 252  | 146220   | 7.756     | ng    | 96       |
| 90) Benzo(a)pyrene          | 15.245 | 252  | 91053    | 5.882     | ng    | 99       |
| 92) Benzo(g,h,i)perylene    | 17.151 | 276  | 56739    | 3.497     | ng    | 96       |
| -----                       |        |      |          |           |       |          |

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

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BNA\_F  
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF081422.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Aug 30 01:22:56 2022  
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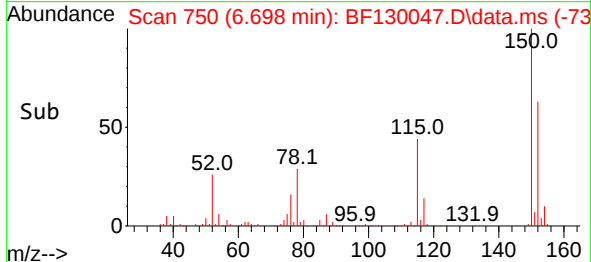
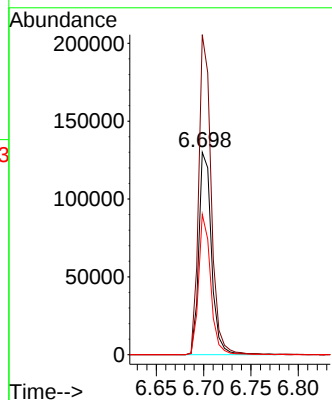
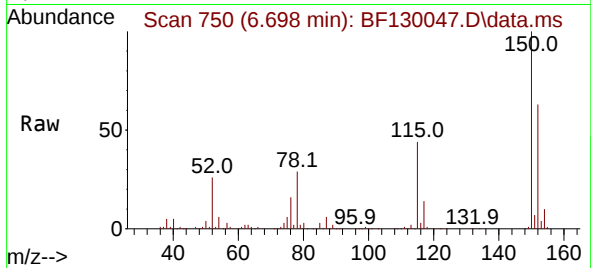




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.698 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF130047.D  
Acq: 29 Aug 2022 22:14

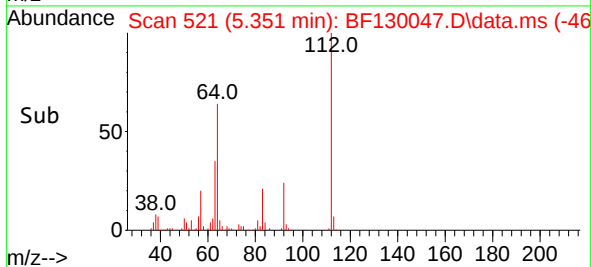
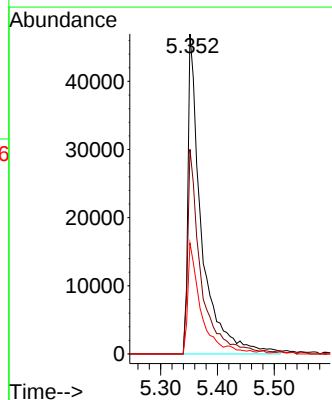
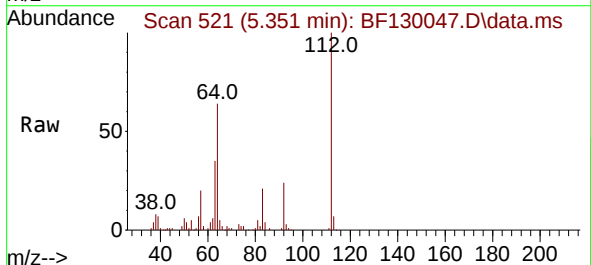
Instrument :  
BNA\_F  
ClientSampleId :  
CL-01-082522

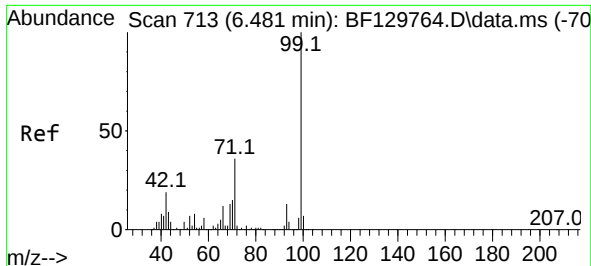
Tgt Ion:152 Resp: 121903  
Ion Ratio Lower Upper  
152 100  
150 158.1 126.9 190.3  
115 69.3 53.4 80.0



#5  
2-Fluorophenol  
Concen: 10.565 ng  
RT: 5.351 min Scan# 521  
Delta R.T. 0.018 min  
Lab File: BF130047.D  
Acq: 29 Aug 2022 22:14

Tgt Ion:112 Resp: 77787  
Ion Ratio Lower Upper  
112 100  
64 64.0 47.6 71.4  
63 34.6 24.6 37.0

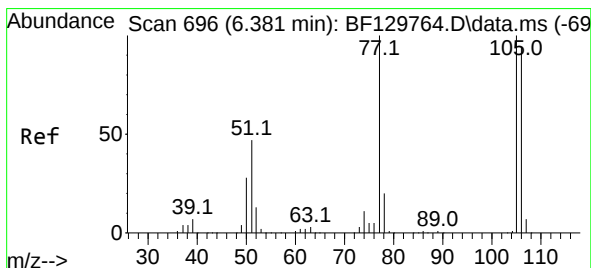
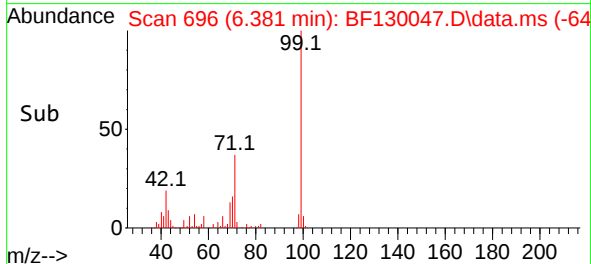
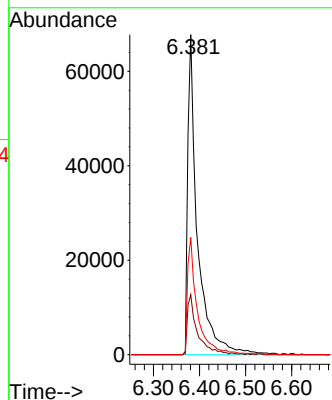
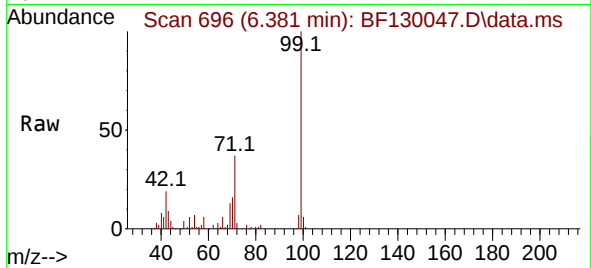




#7  
Phenol-d6  
Concen: 10.788 ng  
RT: 6.381 min Scan# 696  
Delta R.T. 0.012 min  
Lab File: BF130047.D  
Acq: 29 Aug 2022 22:14

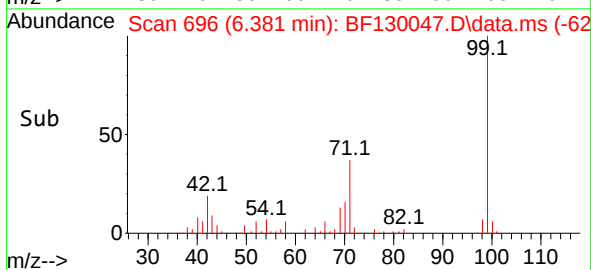
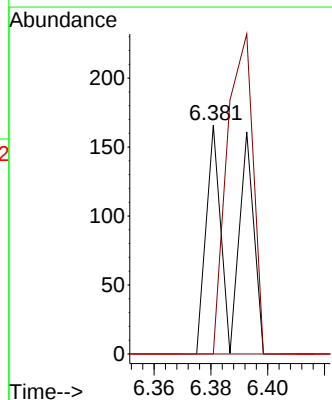
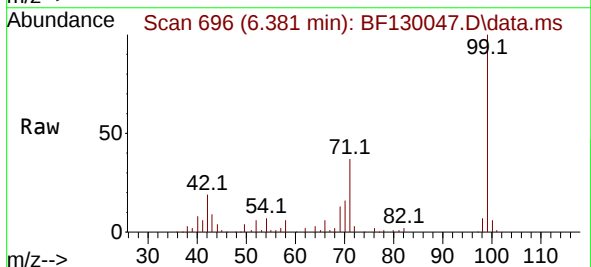
Instrument :  
BNA\_F  
ClientSampleId :  
CL-01-082522

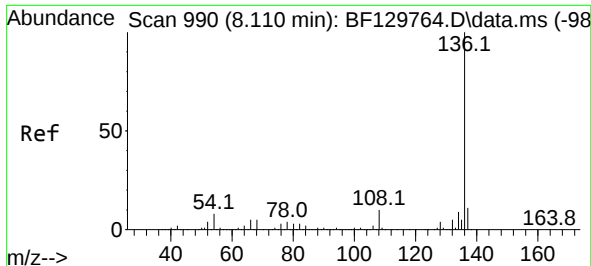
Tgt Ion: 99 Resp: 99468  
Ion Ratio Lower Upper  
99 100  
42 18.7 15.0 22.4  
71 36.6 28.8 43.2



#9  
Benzaldehyde  
Concen: Below Cal  
RT: 6.381 min Scan# 696  
Delta R.T. 0.118 min  
Lab File: BF130047.D  
Acq: 29 Aug 2022 22:14

Tgt Ion: 77 Resp: 115  
Ion Ratio Lower Upper  
77 100  
105 0.0 80.3 120.3#  
106 0.0 74.3 114.3#

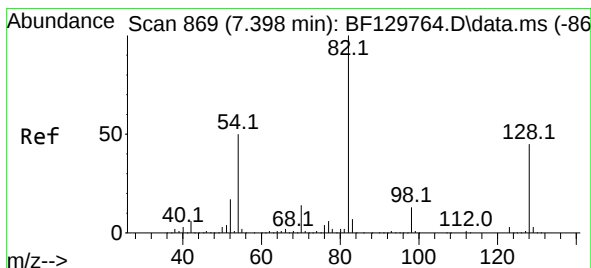
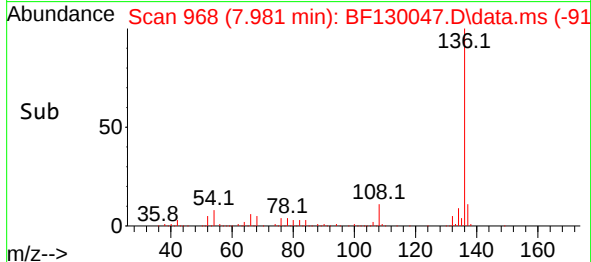
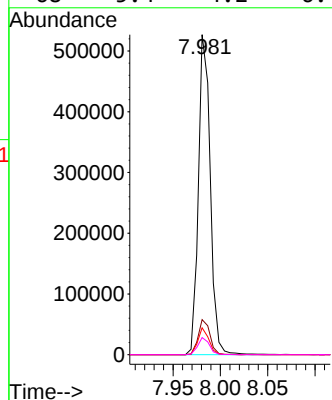
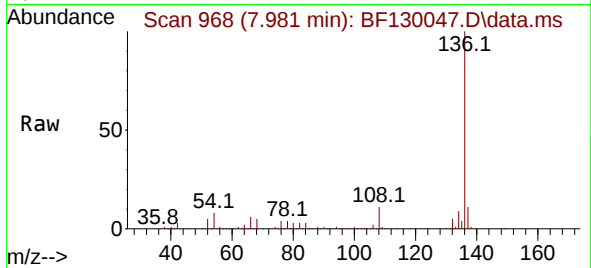




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 7.981 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BF130047.D  
Acq: 29 Aug 2022 22:14

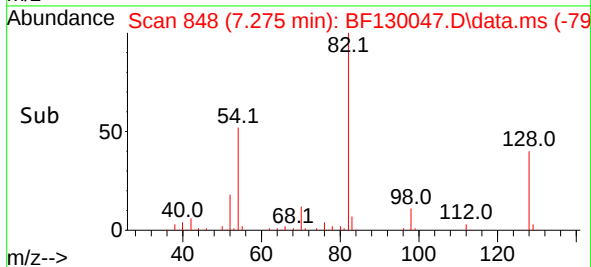
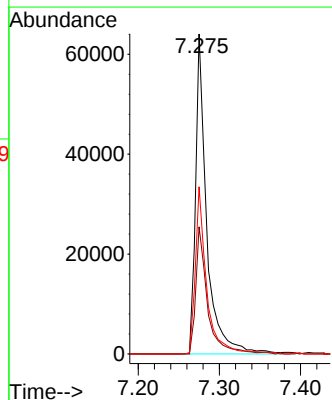
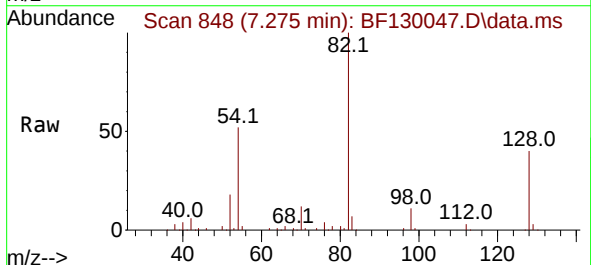
Instrument :  
BNA\_F  
ClientSampleId :  
CL-01-082522

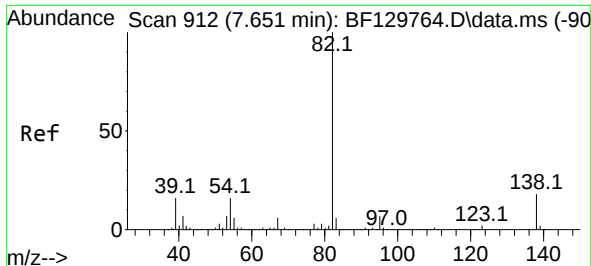
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 460308 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 11.0  | 8.4   | 12.6   |
| 54        | 8.4   | 6.2   | 9.2    |
| 68        | 5.4   | 4.2   | 6.4    |



#23  
Nitrobenzene-d5  
Concen: 7.164 ng  
RT: 7.275 min Scan# 848  
Delta R.T. -0.006 min  
Lab File: BF130047.D  
Acq: 29 Aug 2022 22:14

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 82    | Resp: | 61600 |
| Ion Ratio | Lower | Upper |       |
| 82        | 100   |       |       |
| 128       | 39.8  | 36.1  | 54.1  |
| 54        | 52.2  | 40.0  | 60.0  |

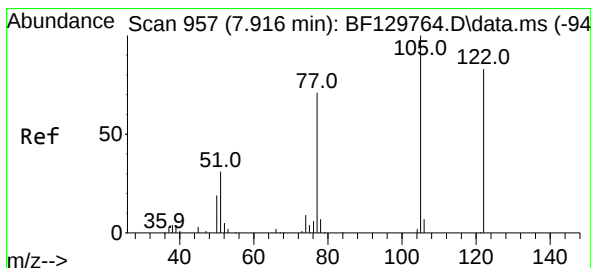
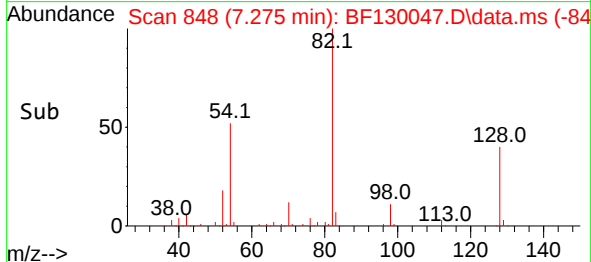
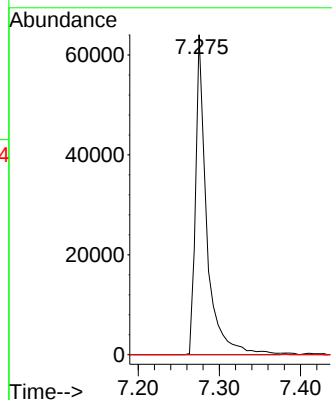
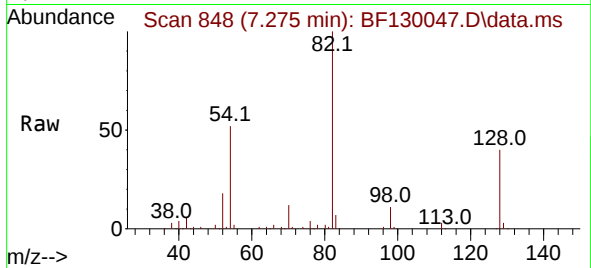




#25  
Isophorone  
Concen: 4.162 ng  
RT: 7.275 min Scan# 84  
Delta R.T. -0.259 min  
Lab File: BF130047.D  
Acq: 29 Aug 2022 22:14

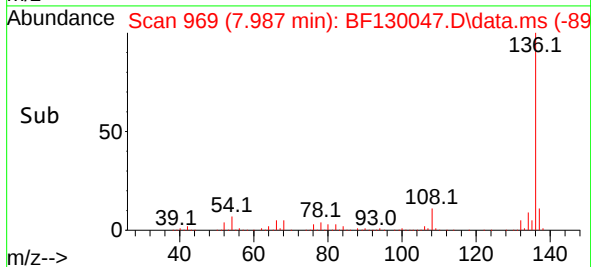
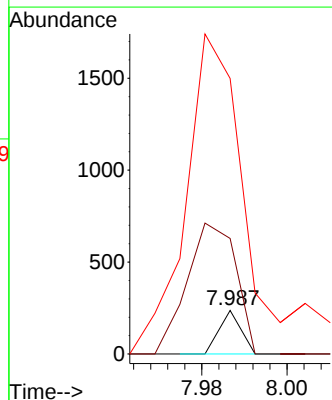
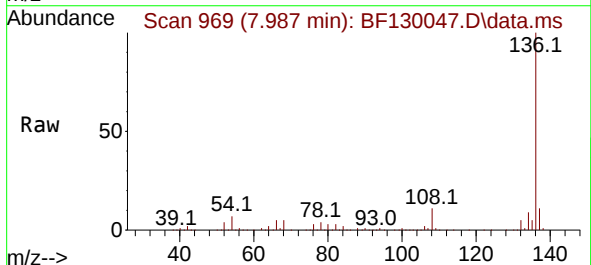
Instrument :  
BNA\_F  
ClientSampleId :  
CL-01-082522

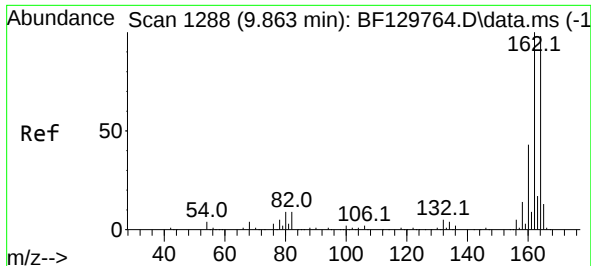
Tgt Ion: 82 Resp: 61600  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.9 8.9#  
138 0.0 14.6 21.8#



#32  
Benzoic acid  
Concen: 2.189 ng  
RT: 7.987 min Scan# 969  
Delta R.T. 0.165 min  
Lab File: BF130047.D  
Acq: 29 Aug 2022 22:14

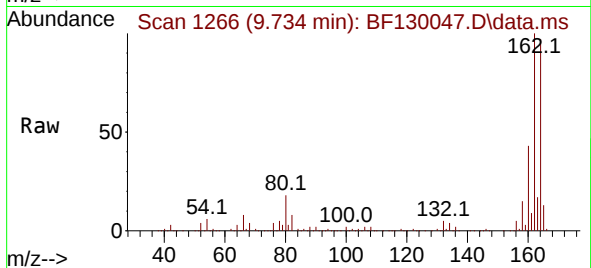
Tgt Ion: 122 Resp: 84  
Ion Ratio Lower Upper  
122 100  
105 265.4 99.9 139.9#  
77 632.5 65.9 105.9#



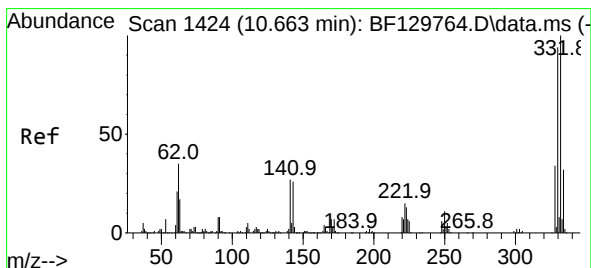
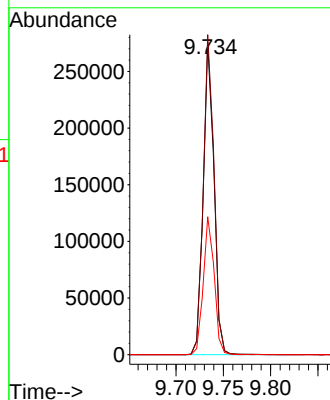
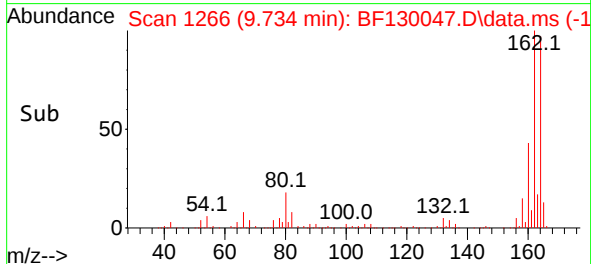


#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.734 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF130047.D  
Acq: 29 Aug 2022 22:14

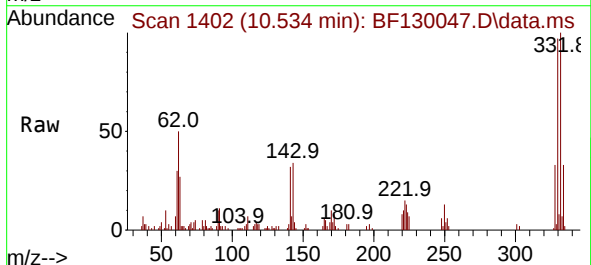
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ClientSampleId :  
CL-01-082522



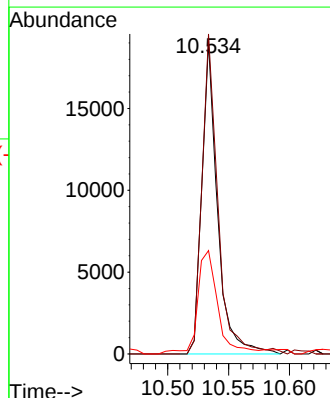
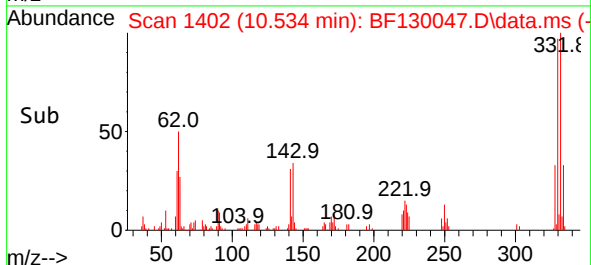
Tgt Ion:164 Resp: 216578  
Ion Ratio Lower Upper  
164 100  
162 102.8 82.0 123.0  
160 44.3 35.4 53.0



#42  
2,4,6-Tribromophenol  
Concen: 7.845 ng  
RT: 10.534 min Scan# 1402  
Delta R.T. 0.000 min  
Lab File: BF130047.D  
Acq: 29 Aug 2022 22:14



Tgt Ion:330 Resp: 17052  
Ion Ratio Lower Upper  
330 100  
332 104.3 82.6 124.0  
141 42.9 27.6 41.4#





#45

2-Fluorobiphenyl

Concen: 8.223 ng

RT: 9.057 min Scan# 1172

Delta R.T. -0.006 min

Lab File: BF130047.D

Acq: 29 Aug 2022 22:14

Instrument :

BNA\_F

ClientSampleId :

CL-01-082522

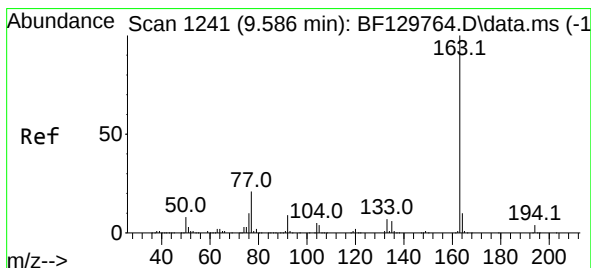
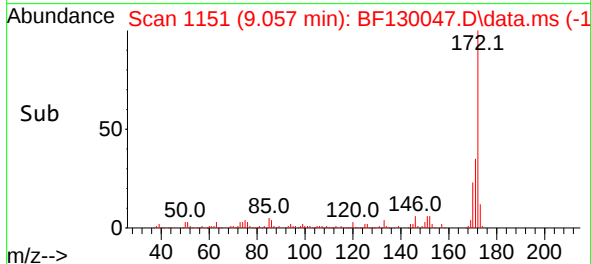
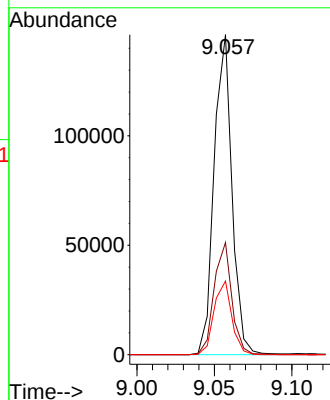
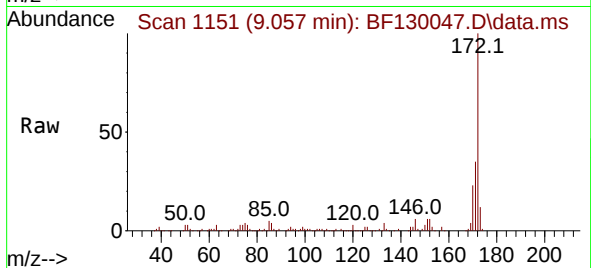
Tgt Ion:172 Resp: 117253

Ion Ratio Lower Upper

172 100

171 35.1 28.4 42.6

170 23.0 19.1 28.7



#50

Dimethylphthalate

Concen: 2.442 ng

RT: 9.734 min Scan# 1266

Delta R.T. 0.265 min

Lab File: BF130047.D

Acq: 29 Aug 2022 22:14

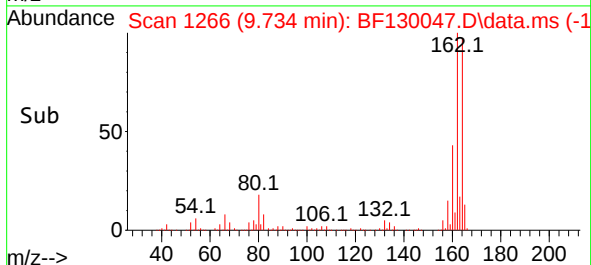
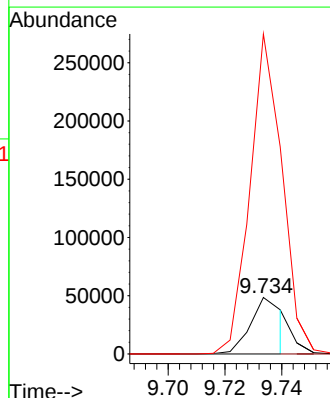
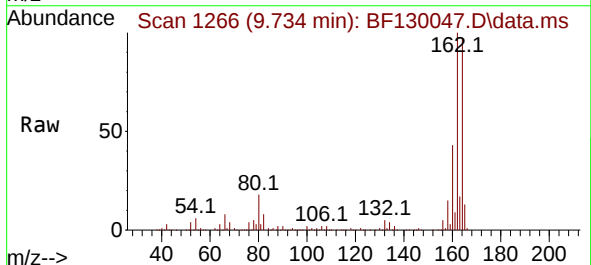
Tgt Ion:163 Resp: 37919

Ion Ratio Lower Upper

163 100

194 0.0 3.3 4.9#

164 566.0 8.2 12.2#

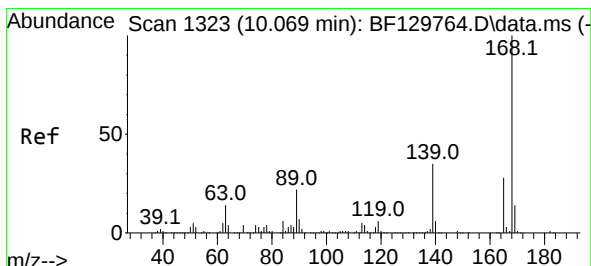
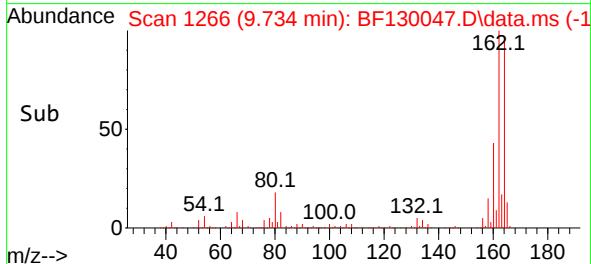
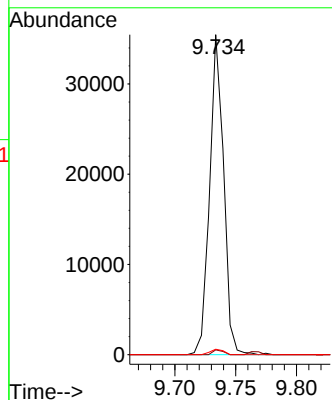
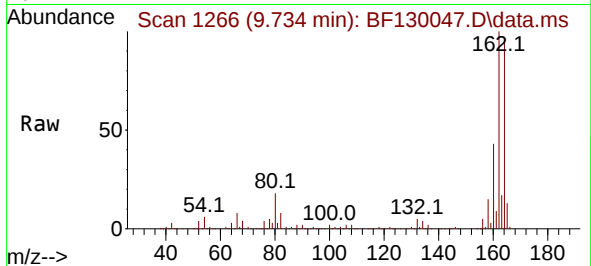




#51  
2,6-Dinitrotoluene  
Concen: 8.416 ng  
RT: 9.734 min Scan# 1266  
Delta R.T. 0.188 min  
Lab File: BF130047.D  
Acq: 29 Aug 2022 22:14

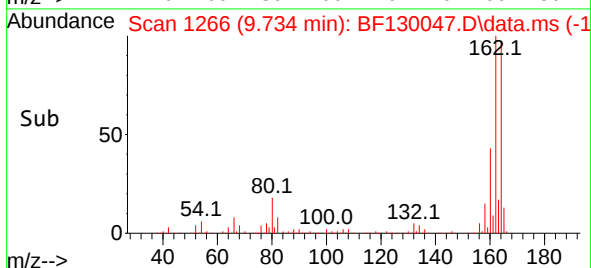
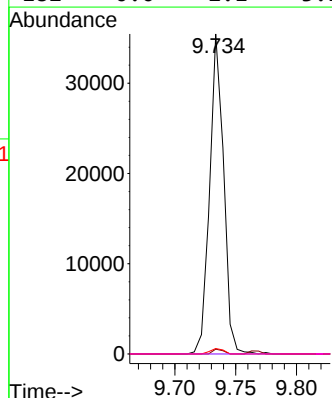
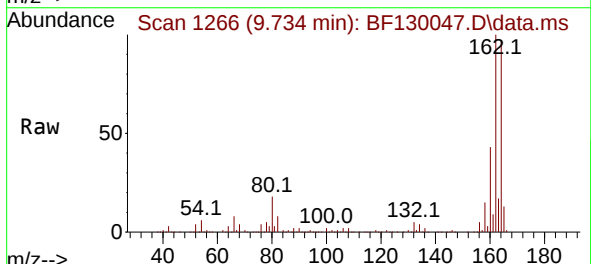
Instrument :  
BNA\_F  
ClientSampleId :  
CL-01-082522

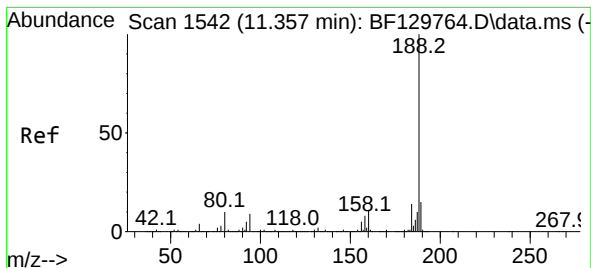
Tgt Ion:165 Resp: 28344  
Ion Ratio Lower Upper  
165 100  
63 1.5 47.8 71.8#  
89 1.7 47.2 70.8#



#57  
2,4-Dinitrotoluene  
Concen: 6.483 ng  
RT: 9.734 min Scan# 1266  
Delta R.T. -0.217 min  
Lab File: BF130047.D  
Acq: 29 Aug 2022 22:14

Tgt Ion:165 Resp: 28344  
Ion Ratio Lower Upper  
165 100  
63 1.5 48.4 72.6#  
89 1.7 62.3 93.5#  
182 0.0 2.1 3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.222 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF130047.D

Acq: 29 Aug 2022 22:14

Instrument :

BNA\_F

ClientSampleId :

CL-01-082522

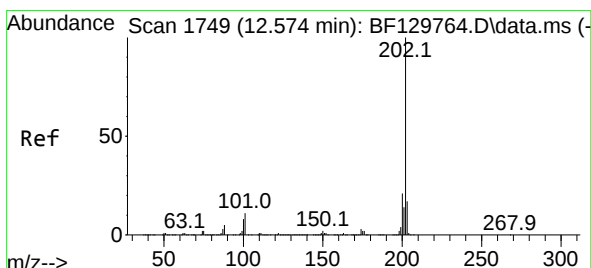
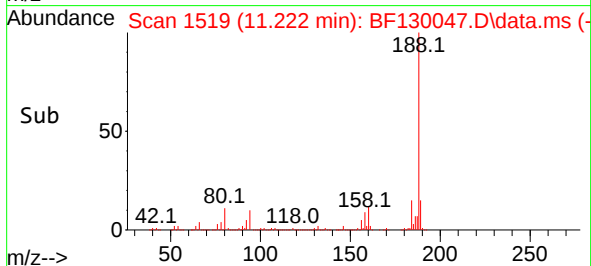
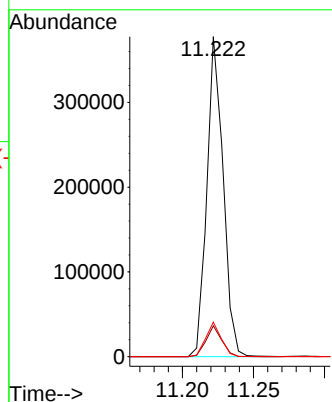
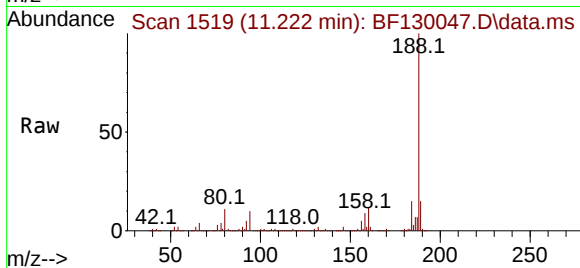
Tgt Ion:188 Resp: 300872

Ion Ratio Lower Upper

188 100

94 9.7 7.4 11.2

80 10.8 7.9 11.9



#75

Fluoranthene

Concen: 5.674 ng

RT: 12.439 min Scan# 1726

Delta R.T. -0.006 min

Lab File: BF130047.D

Acq: 29 Aug 2022 22:14

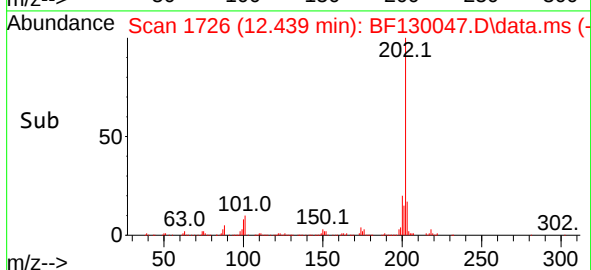
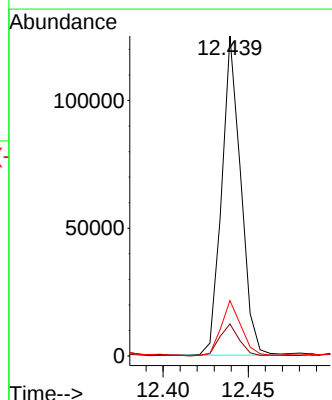
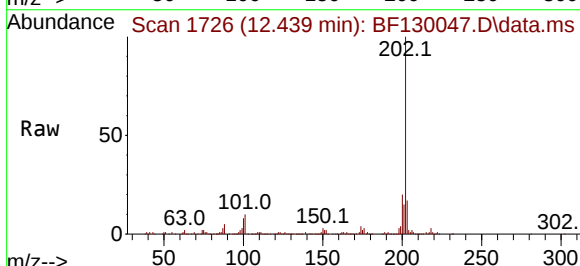
Tgt Ion:202 Resp: 97570

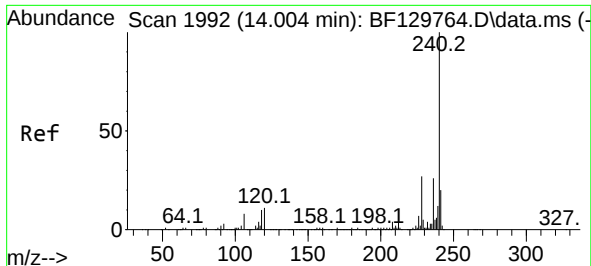
Ion Ratio Lower Upper

202 100

101 10.0 0.0 30.7

203 17.3 0.0 37.5

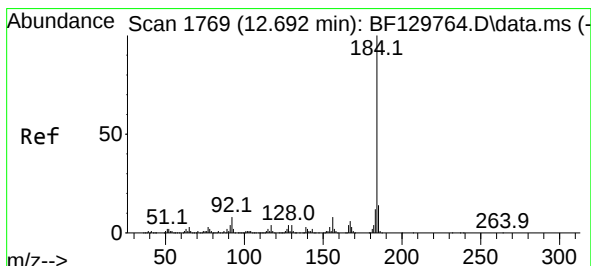
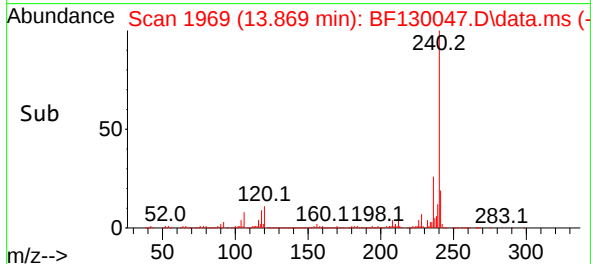
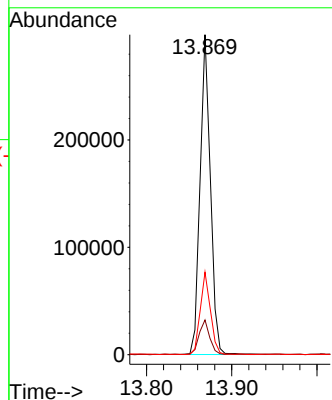
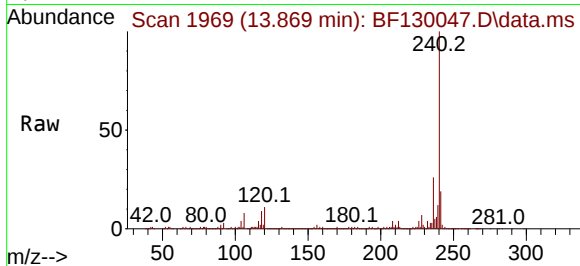




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.869 min Scan# 1992  
Delta R.T. -0.006 min  
Lab File: BF130047.D  
Acq: 29 Aug 2022 22:14

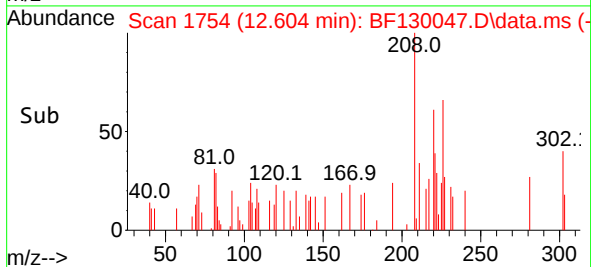
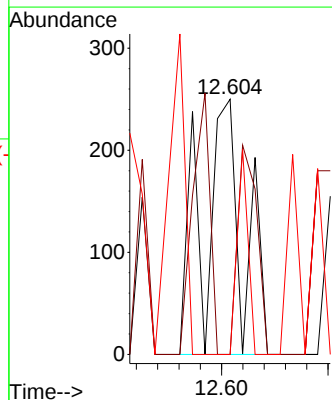
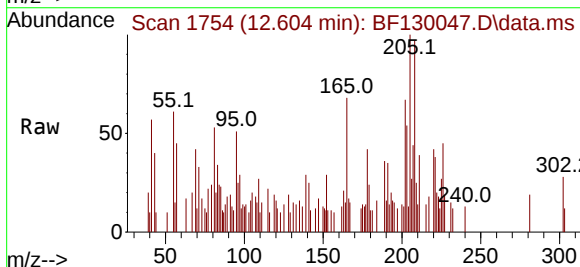
Instrument :  
BNA\_F  
ClientSampleId :  
CL-01-082522

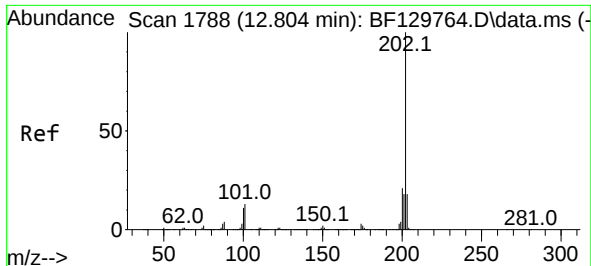
Tgt Ion:240 Resp: 250973  
Ion Ratio Lower Upper  
240 100  
120 10.9 9.2 13.8  
236 25.8 20.7 31.1



#77  
Benzidine  
Concen: Below Cal  
RT: 12.604 min Scan# 1754  
Delta R.T. 0.036 min  
Lab File: BF130047.D  
Acq: 29 Aug 2022 22:14

Tgt Ion:184 Resp: 322  
Ion Ratio Lower Upper  
184 100  
185 0.0 11.4 17.2#  
183 0.0 9.4 14.2#

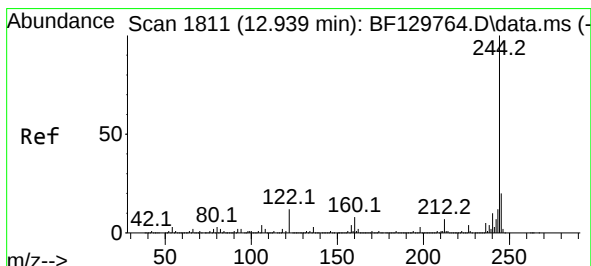
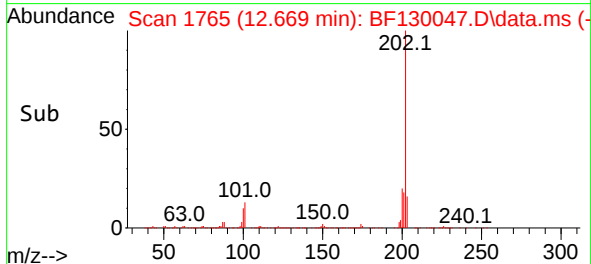
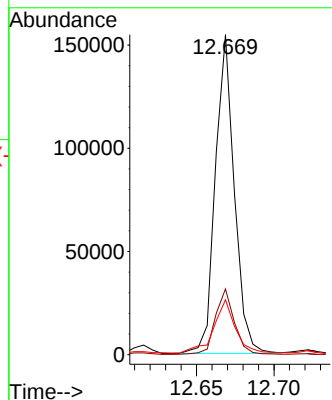
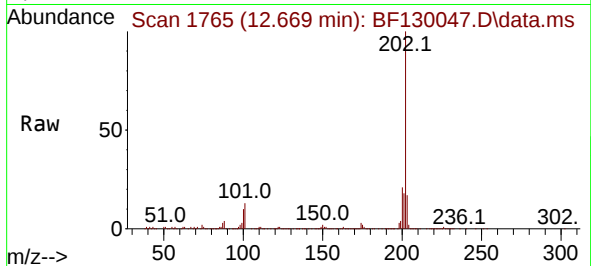




#78  
Pyrene  
Concen: 6.038 ng  
RT: 12.669 min Scan# 1765  
Delta R.T. -0.006 min  
Lab File: BF130047.D  
Acq: 29 Aug 2022 22:14

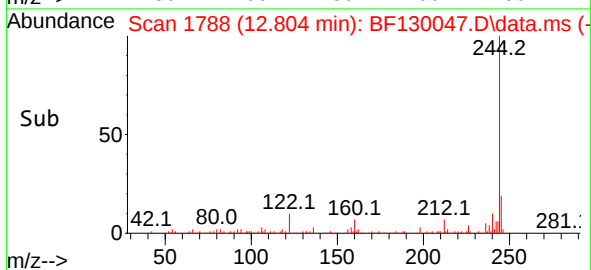
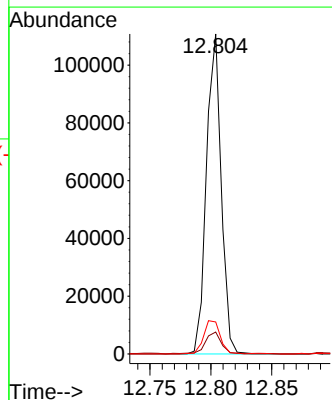
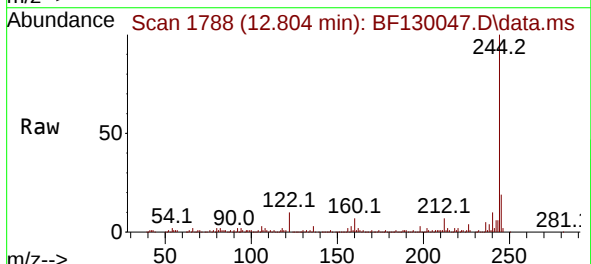
Instrument :  
BNA\_F  
ClientSampleId :  
CL-01-082522

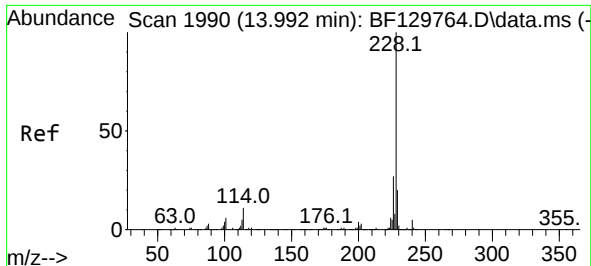
Tgt Ion:202 Resp: 131686  
Ion Ratio Lower Upper  
202 100  
200 20.5 17.0 25.6  
203 17.2 14.1 21.1



#79  
Terphenyl-d14  
Concen: 6.174 ng  
RT: 12.804 min Scan# 1788  
Delta R.T. -0.006 min  
Lab File: BF130047.D  
Acq: 29 Aug 2022 22:14

Tgt Ion:244 Resp: 93123  
Ion Ratio Lower Upper  
244 100  
212 6.9 5.9 8.9  
122 10.0 9.9 14.9

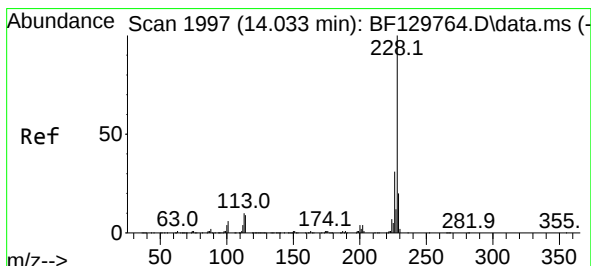
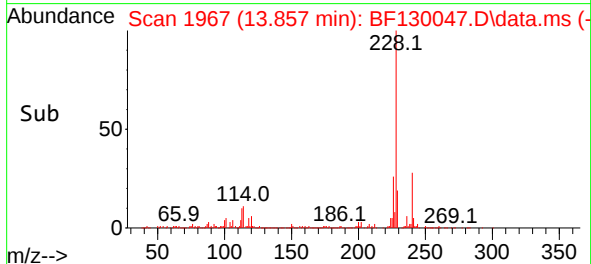
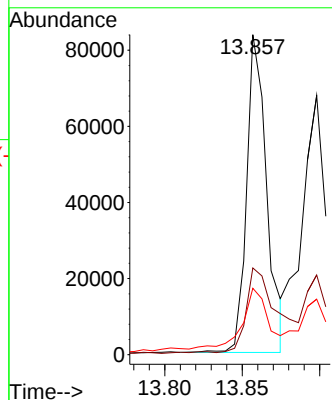
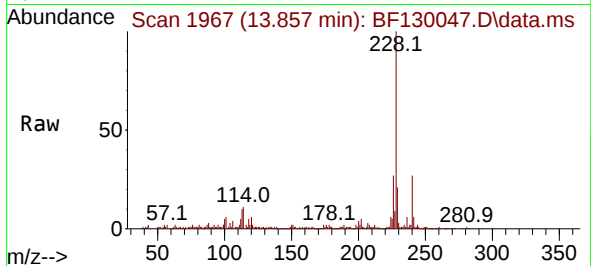




#81  
Benzo(a)anthracene  
Concen: 4.366 ng  
RT: 13.857 min Scan# 1967  
Delta R.T. -0.006 min  
Lab File: BF130047.D  
Acq: 29 Aug 2022 22:14

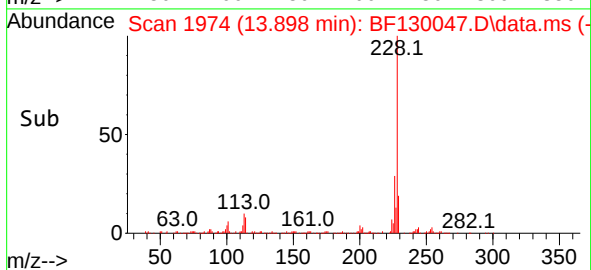
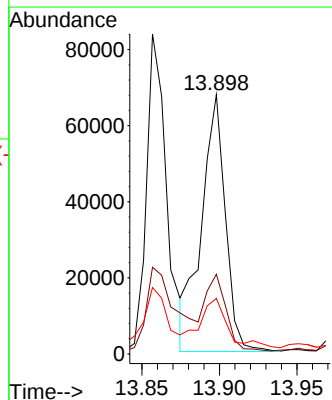
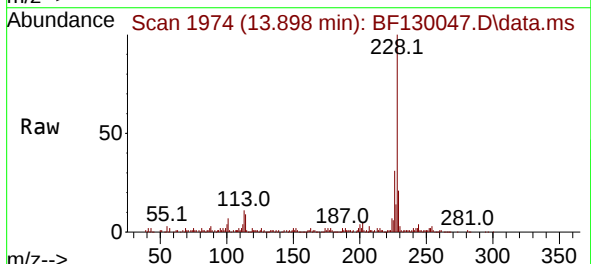
Instrument :  
BNA\_F  
ClientSampleId :  
CL-01-082522

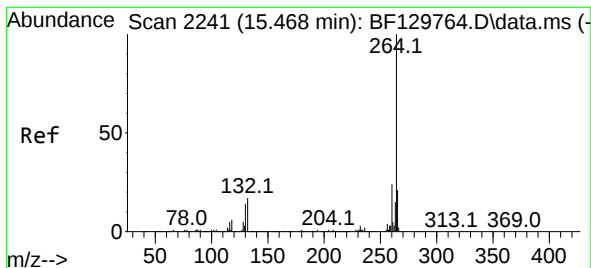
Tgt Ion:228 Resp: 75374  
Ion Ratio Lower Upper  
228 100  
226 27.1 21.4 32.0  
229 20.7 16.1 24.1



#83  
Chrysene  
Concen: 4.510 ng  
RT: 13.898 min Scan# 1974  
Delta R.T. 0.000 min  
Lab File: BF130047.D  
Acq: 29 Aug 2022 22:14

Tgt Ion:228 Resp: 72894  
Ion Ratio Lower Upper  
228 100  
226 30.7 24.4 36.6  
229 21.4 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.298 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF130047.D

Acq: 29 Aug 2022 22:14

Instrument :

BNA\_F

ClientSampleId :

CL-01-082522

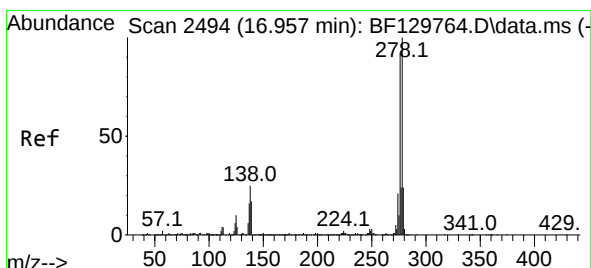
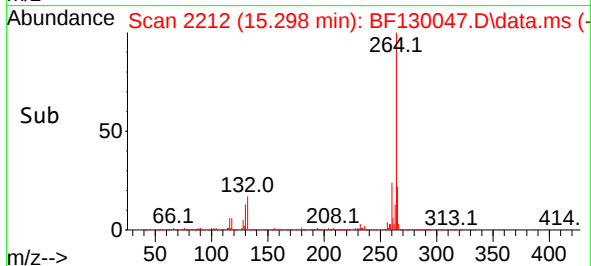
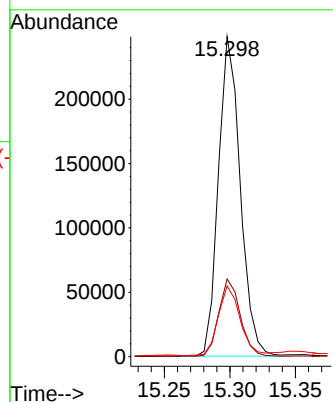
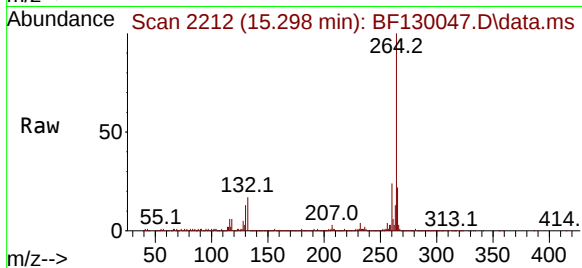
Tgt Ion:264 Resp: 287090

Ion Ratio Lower Upper

264 100

260 24.3 19.1 28.7

265 22.1 16.7 25.1



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.711 ng

RT: 16.721 min Scan# 2454

Delta R.T. 0.006 min

Lab File: BF130047.D

Acq: 29 Aug 2022 22:14

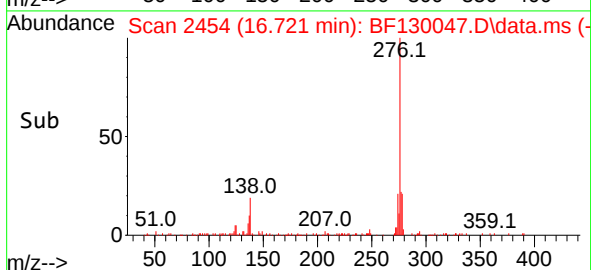
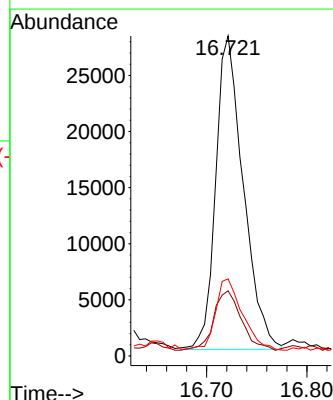
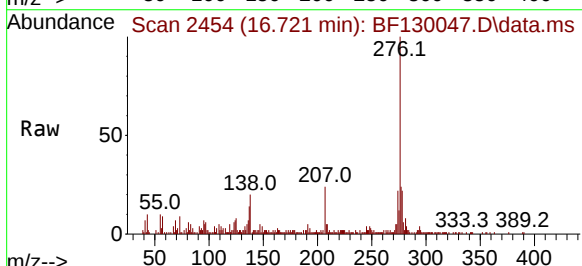
Tgt Ion:276 Resp: 53430

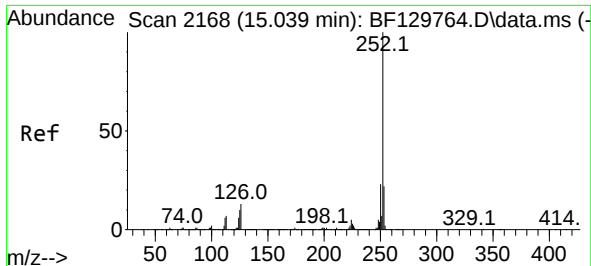
Ion Ratio Lower Upper

276 100

138 19.1 19.8 29.8#

277 22.4 20.4 30.6

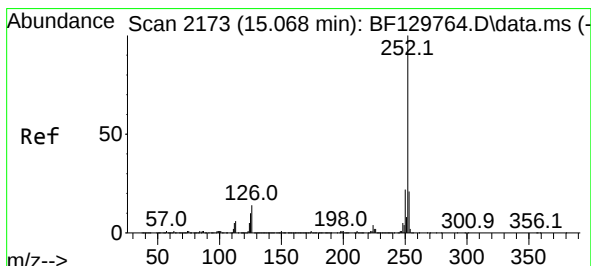
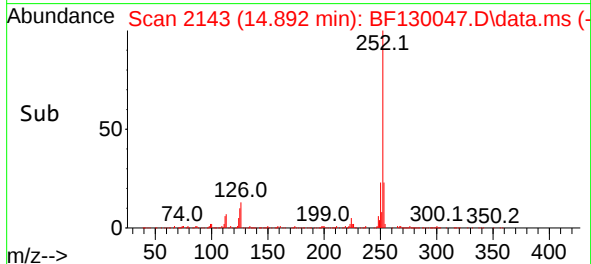
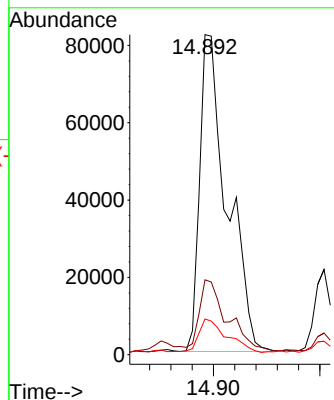
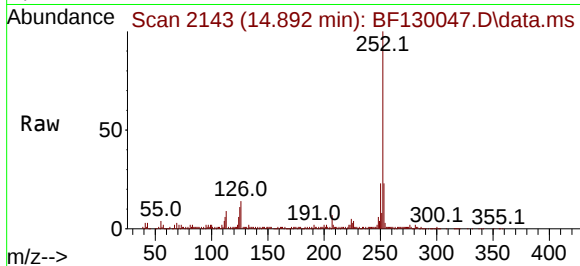




#88  
Benzo(b)fluoranthene  
Concen: 7.438 ng  
RT: 14.892 min Scan# 2143  
Delta R.T. 0.000 min  
Lab File: BF130047.D  
Acq: 29 Aug 2022 22:14

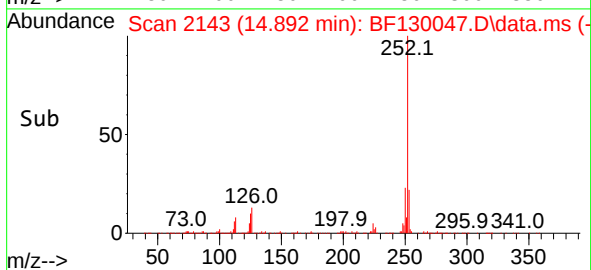
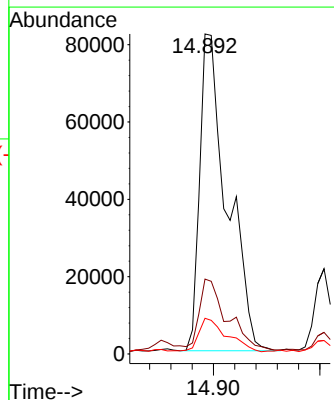
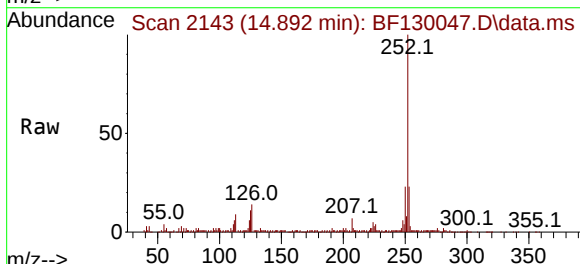
Instrument :  
BNA\_F  
ClientSampleId :  
CL-01-082522

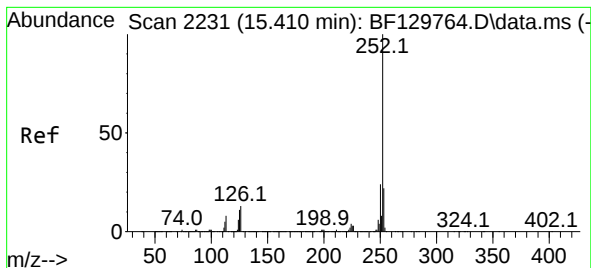
Tgt Ion:252 Resp: 146220  
Ion Ratio Lower Upper  
252 100  
253 23.4 17.5 26.3  
125 11.2 8.3 12.5



#89  
Benzo(k)fluoranthene  
Concen: 7.756 ng  
RT: 14.892 min Scan# 2143  
Delta R.T. -0.029 min  
Lab File: BF130047.D  
Acq: 29 Aug 2022 22:14

Tgt Ion:252 Resp: 146220  
Ion Ratio Lower Upper  
252 100  
253 23.4 17.1 25.7  
125 11.2 8.3 12.5





#90

Benzo(a)pyrene

Concen: 5.882 ng

RT: 15.245 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF130047.D

Acq: 29 Aug 2022 22:14

Instrument :

BNA\_F

ClientSampleId :

CL-01-082522

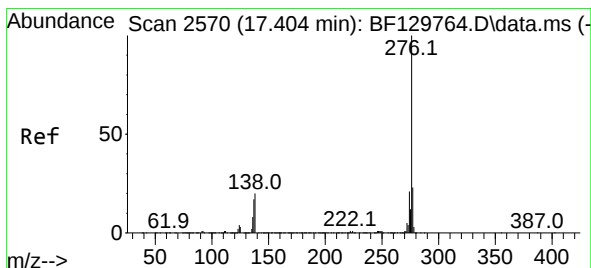
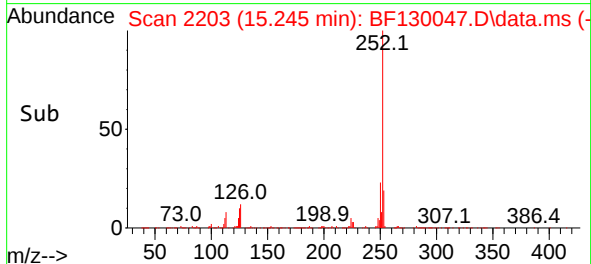
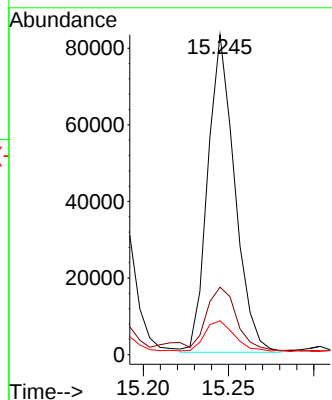
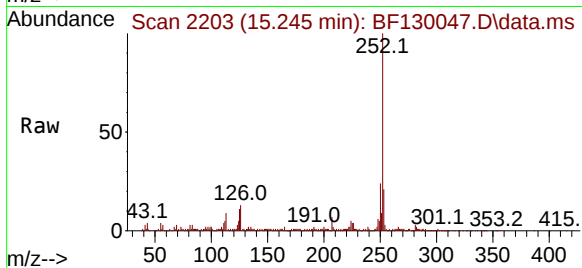
Tgt Ion:252 Resp: 91053

Ion Ratio Lower Upper

252 100

253 21.1 17.2 25.8

125 10.6 8.8 13.2



#92

Benzo(g,h,i)perylene

Concen: 3.497 ng

RT: 17.151 min Scan# 2527

Delta R.T. 0.018 min

Lab File: BF130047.D

Acq: 29 Aug 2022 22:14

Tgt Ion:276 Resp: 56739

Ion Ratio Lower Upper

276 100

277 26.1 18.2 27.4

138 19.7 15.8 23.8

