

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF111022\  
 Data File : BF131138.D  
 Acq On : 10 Nov 2022 23:13  
 Operator : CG\JU  
 Sample : N5494-19  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-21

Quant Time: Nov 11 00:52:29 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF110922.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 10 04:15:17 2022  
 Response via : Initial Calibration

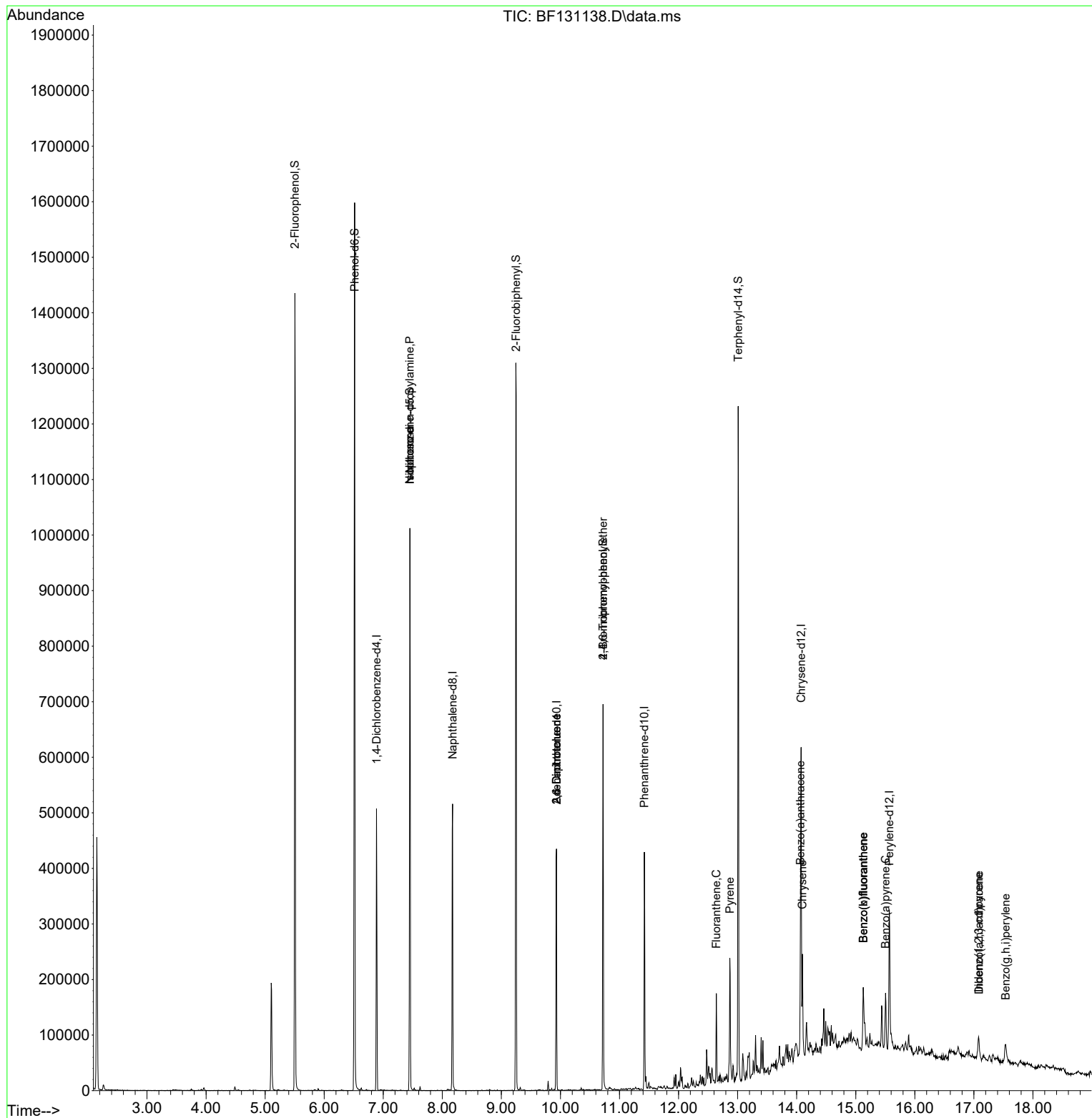
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.886  | 152  | 64027    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.175  | 136  | 212561   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.933  | 164  | 86198    | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.421 | 188  | 141304   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.074 | 240  | 157162   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.568 | 264  | 107839   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.504  | 112  | 342098   | 90.864 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.516  | 99   | 458300   | 93.109 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.451  | 82   | 293155   | 62.226 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.722 | 330  | 67379    | 75.636 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.251  | 172  | 401294   | 64.990 | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.010 | 244  | 400445   | 44.674 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
| 19) n-Nitroso-di-n-propyla... | 7.451  | 70   | 38398    | 11.881 | ng    | # 77     |
| 25) Isophorone                | 7.451  | 82   | 293148   | 40.243 | ng    | # 68     |
| 51) 2,6-Dinitrotoluene        | 9.933  | 165  | 11200    | 8.312  | ng    | # 15     |
| 57) 2,4-Dinitrotoluene        | 9.933  | 165  | 11200    | 6.253  | ng    | # 17     |
| 67) 4-Bromophenyl-phenylether | 10.722 | 248  | 4377     | 2.739  | ng    | # 1      |
| 75) Fluoranthene              | 12.639 | 202  | 52080    | 6.695  | ng    | 99       |
| 78) Pyrene                    | 12.868 | 202  | 90844    | 6.737  | ng    | 99       |
| 81) Benzo(a)anthracene        | 14.062 | 228  | 71114    | 6.331  | ng    | 99       |
| 83) Chrysene                  | 14.098 | 228  | 66843    | 6.301  | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.080 | 276  | 25516    | 6.524  | ng    | # 91     |
| 88) Benzo(b)fluoranthene      | 15.127 | 252  | 73553    | 9.647  | ng    | # 94     |
| 89) Benzo(k)fluoranthene      | 15.127 | 252  | 73553    | 10.037 | ng    | 95       |
| 90) Benzo(a)pyrene            | 15.504 | 252  | 44936    | 7.351  | ng    | 97       |
| 91) Dibenzo(a,h)anthracene    | 17.086 | 278  | 7454     | 4.798  | ng    | # 90     |
| 92) Benzo(g,h,i)perylene      | 17.539 | 276  | 28659    | 7.801  | ng    | 96       |

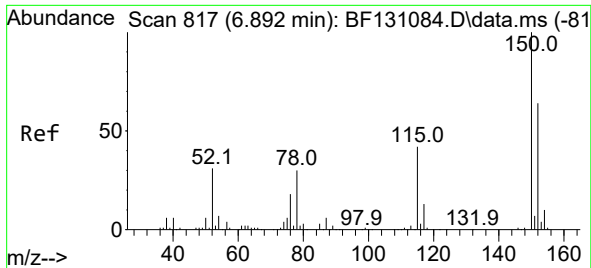
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF111022\  
Data File : BF131138.D  
Acq On : 10 Nov 2022 23:13  
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Sample : N5494-19  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-21

Quant Time: Nov 11 00:52:29 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF110922.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Nov 10 04:15:17 2022  
Response via : Initial Calibration

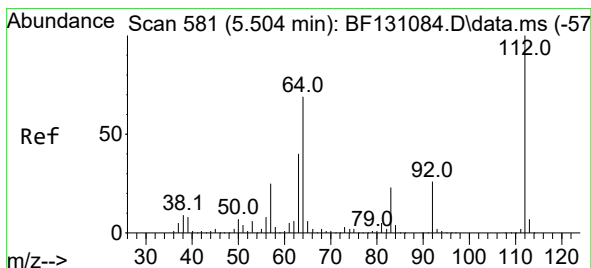
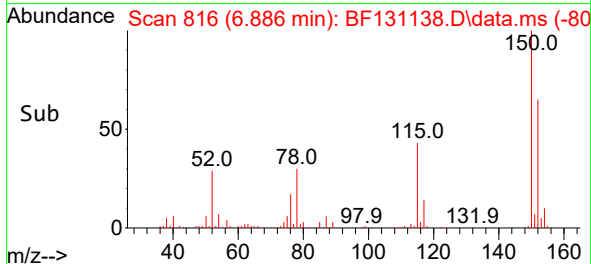
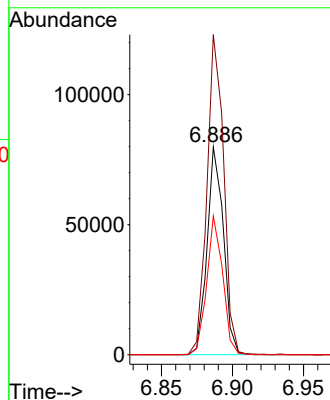
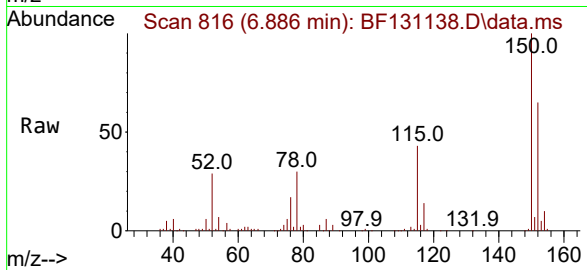




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.886 min Scan# 817  
 Delta R.T. -0.006 min  
 Lab File: BF131138.D  
 Acq: 10 Nov 2022 23:13

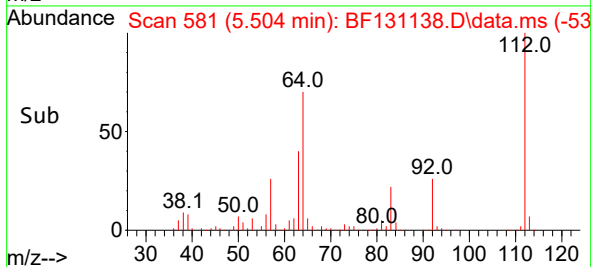
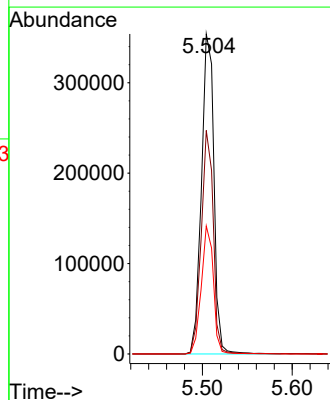
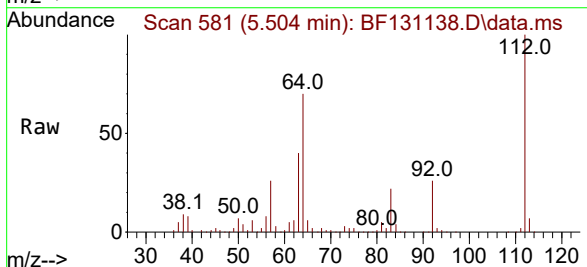
Instrument :  
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 ClientSampleId :  
 SB-21

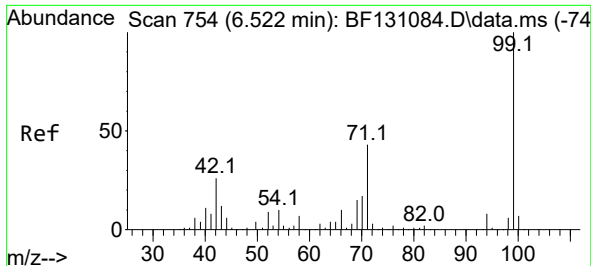
Tgt Ion:152 Resp: 64027  
 Ion Ratio Lower Upper  
 152 100  
 150 154.0 125.5 188.3  
 115 66.8 52.2 78.2



#5  
 2-Fluorophenol  
 Concen: 90.864 ng  
 RT: 5.504 min Scan# 581  
 Delta R.T. 0.000 min  
 Lab File: BF131138.D  
 Acq: 10 Nov 2022 23:13

Tgt Ion:112 Resp: 342098  
 Ion Ratio Lower Upper  
 112 100  
 64 69.9 55.1 82.7  
 63 40.0 32.4 48.6

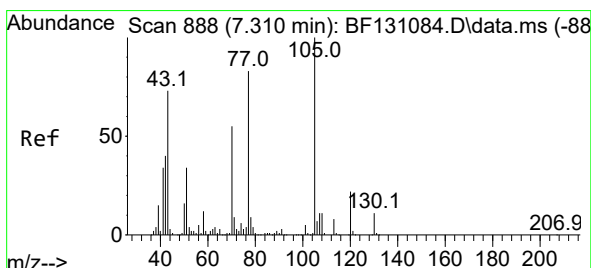
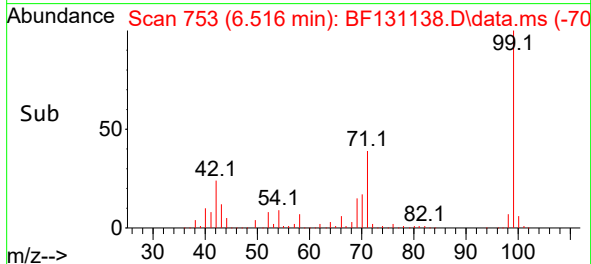
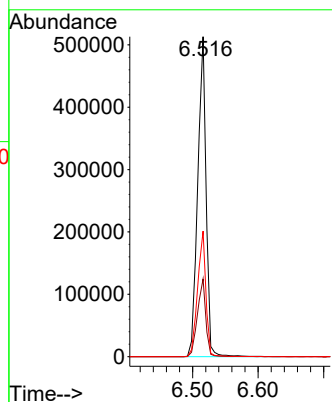
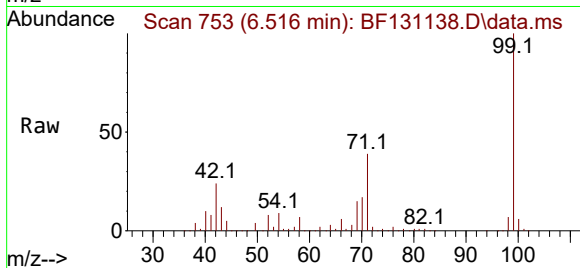




#7  
Phenol-d6  
Concen: 93.109 ng  
RT: 6.516 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF131138.D  
Acq: 10 Nov 2022 23:13

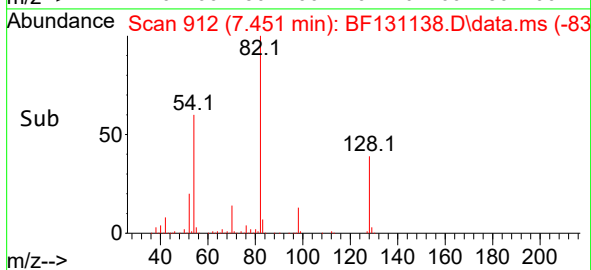
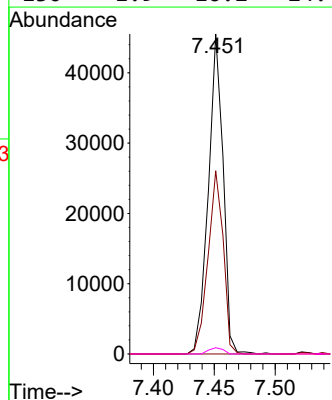
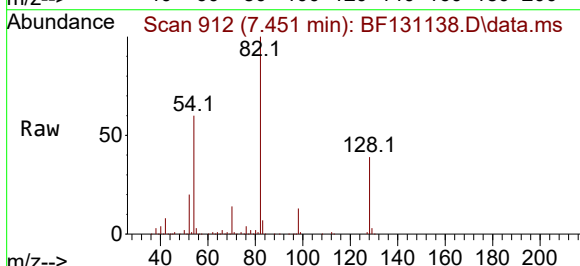
Instrument :  
BNA\_F  
ClientSampleId :  
SB-21

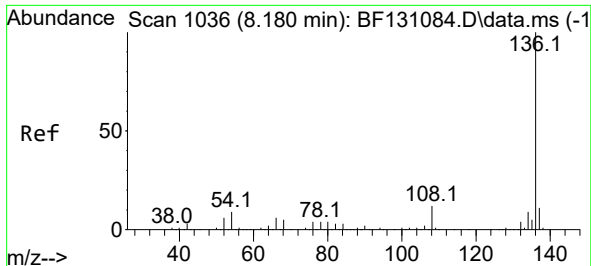
Tgt Ion: 99 Resp: 458300  
Ion Ratio Lower Upper  
99 100  
42 24.3 20.8 31.2  
71 39.3 34.2 51.4



#19  
n-Nitroso-di-n-propylamine  
Concen: 11.881 ng  
RT: 7.451 min Scan# 912  
Delta R.T. 0.141 min  
Lab File: BF131138.D  
Acq: 10 Nov 2022 23:13

Tgt Ion: 70 Resp: 38398  
Ion Ratio Lower Upper  
70 100  
42 57.3 58.3 87.5#  
101 0.0 7.4 11.2#  
130 1.9 16.2 24.4#

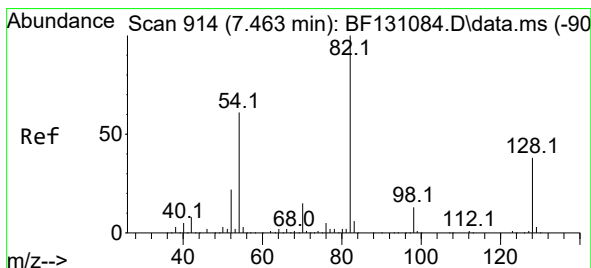
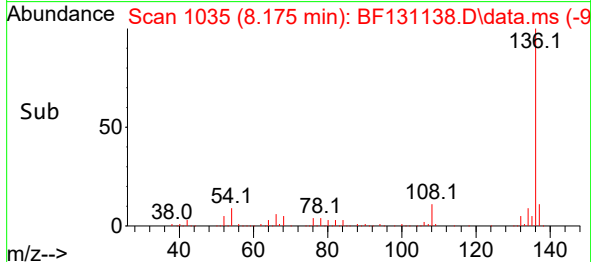
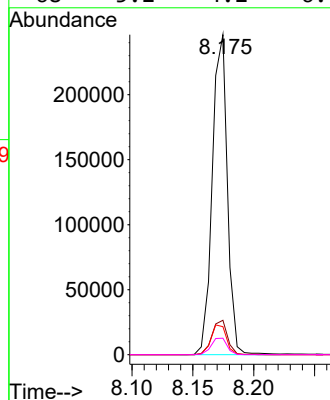
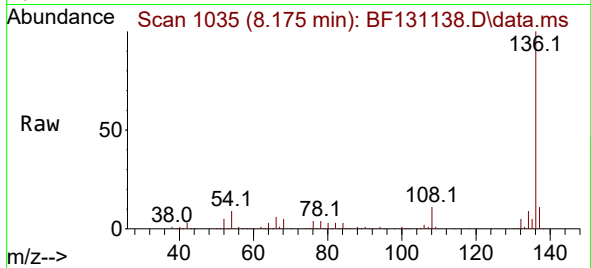




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.175 min Scan# 1  
Delta R.T. -0.005 min  
Lab File: BF131138.D  
Acq: 10 Nov 2022 23:13

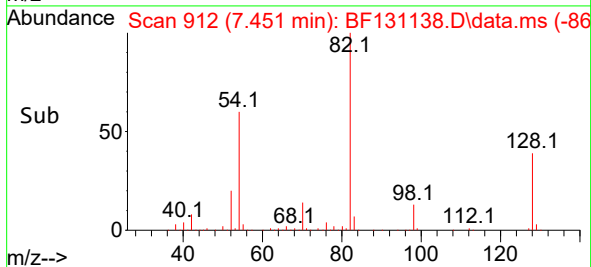
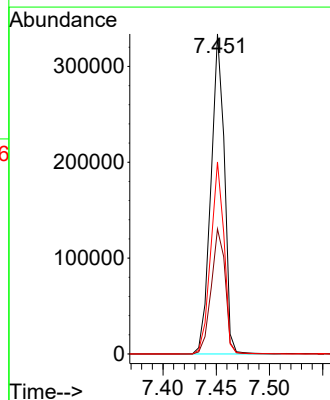
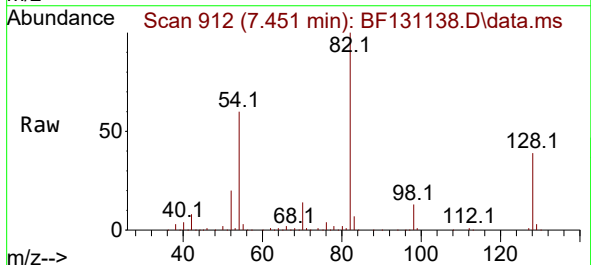
Instrument :  
BNA\_F  
ClientSampleId :  
SB-21

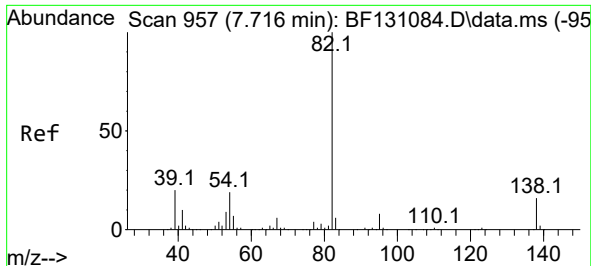
Tgt Ion:136 Resp: 212561  
Ion Ratio Lower Upper  
136 100  
137 10.7 8.6 12.8  
54 8.7 7.2 10.8  
68 5.2 4.2 6.4



#23  
Nitrobenzene-d5  
Concen: 62.226 ng  
RT: 7.451 min Scan# 912  
Delta R.T. -0.012 min  
Lab File: BF131138.D  
Acq: 10 Nov 2022 23:13

Tgt Ion: 82 Resp: 293155  
Ion Ratio Lower Upper  
82 100  
128 39.0 30.5 45.7  
54 60.0 49.1 73.7

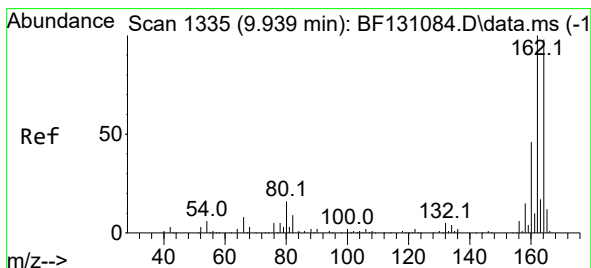
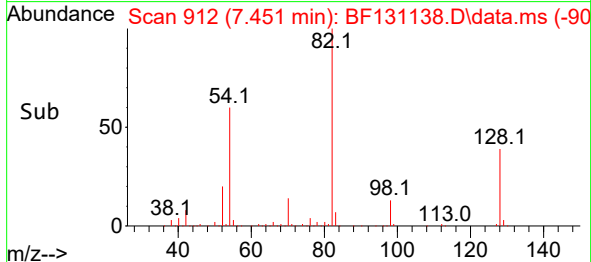
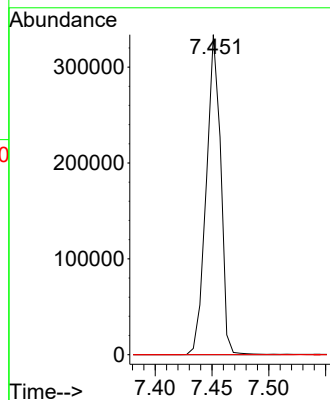
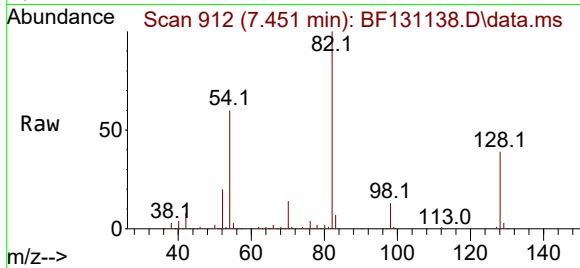




#25  
Isophorone  
Concen: 40.243 ng  
RT: 7.451 min Scan# 91  
Delta R.T. -0.265 min  
Lab File: BF131138.D  
Acq: 10 Nov 2022 23:13

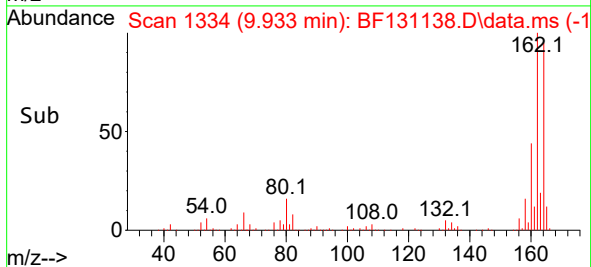
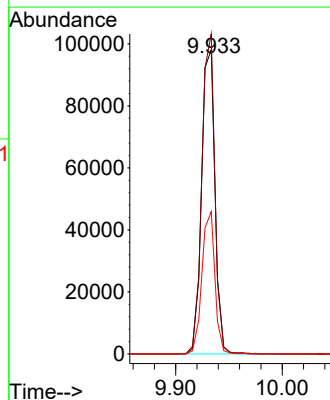
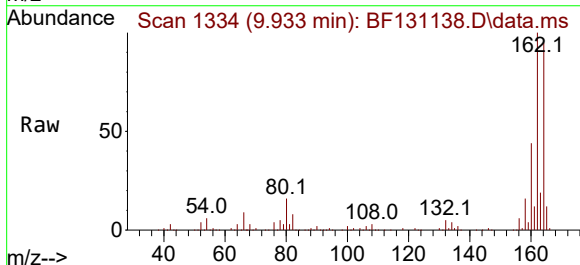
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ClientSampleId :  
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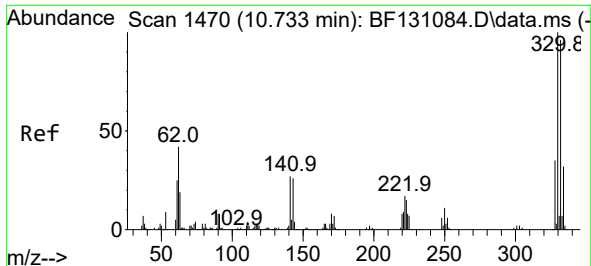
Tgt Ion: 82 Resp: 293148  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.2 9.2#  
138 0.0 12.5 18.7#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.933 min Scan# 1334  
Delta R.T. -0.006 min  
Lab File: BF131138.D  
Acq: 10 Nov 2022 23:13

Tgt Ion:164 Resp: 86198  
Ion Ratio Lower Upper  
164 100  
162 105.2 81.7 122.5  
160 46.8 37.4 56.2





#42

2,4,6-Tribromophenol

Concen: 75.636 ng

RT: 10.722 min Scan# 1468

Delta R.T. -0.012 min

Lab File: BF131138.D

Acq: 10 Nov 2022 23:13

Instrument :

BNA\_F

ClientSampleId :

SB-21

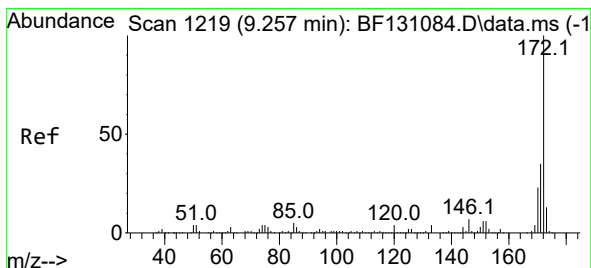
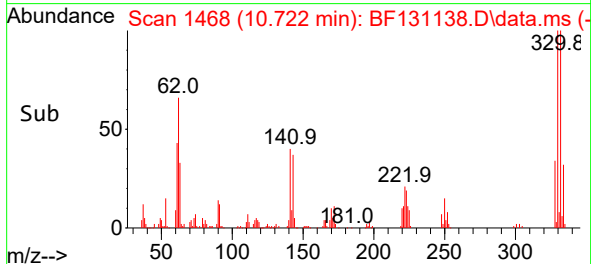
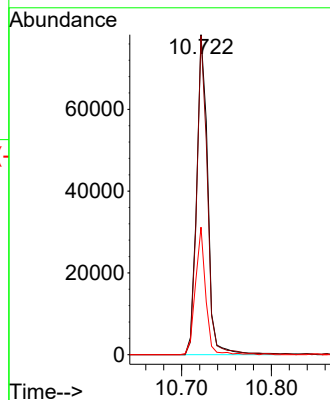
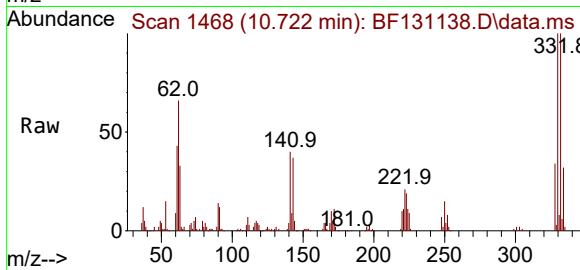
Tgt Ion:330 Resp: 67379

Ion Ratio Lower Upper

330 100

332 95.4 77.0 115.4

141 36.9 28.5 42.7



#45

2-Fluorobiphenyl

Concen: 64.990 ng

RT: 9.251 min Scan# 1218

Delta R.T. -0.006 min

Lab File: BF131138.D

Acq: 10 Nov 2022 23:13

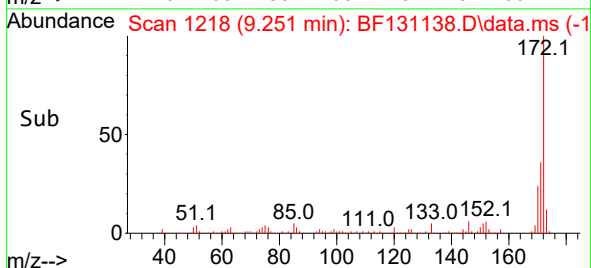
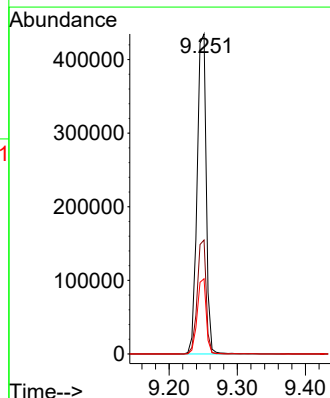
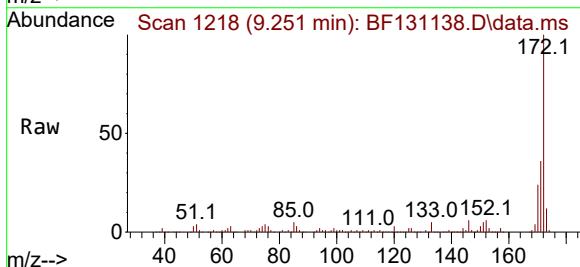
Tgt Ion:172 Resp: 401294

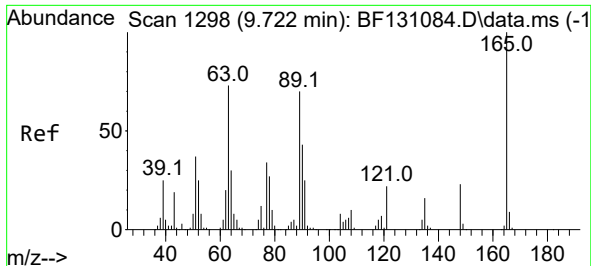
Ion Ratio Lower Upper

172 100

171 35.6 27.7 41.5

170 23.5 18.8 28.2

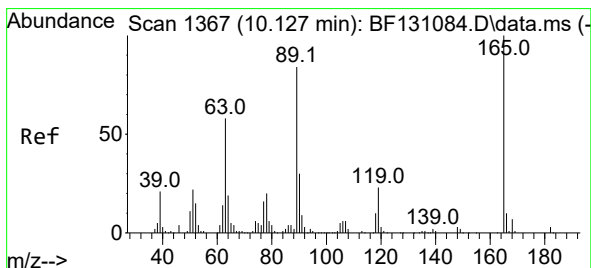
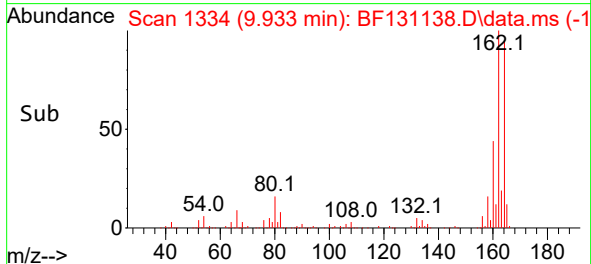
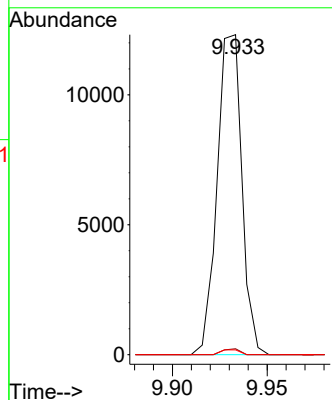
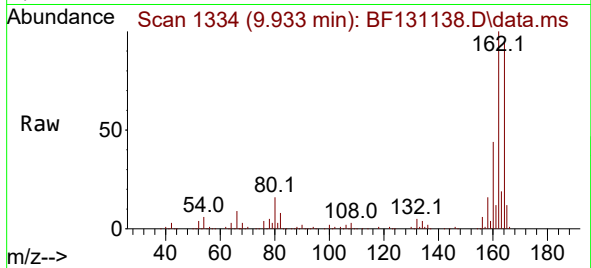




#51  
2,6-Dinitrotoluene  
Concen: 8.312 ng  
RT: 9.933 min Scan# 11  
Delta R.T. 0.212 min  
Lab File: BF131138.D  
Acq: 10 Nov 2022 23:13

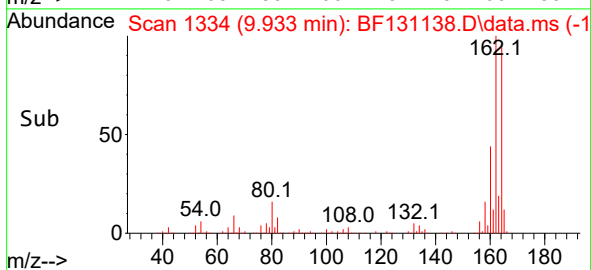
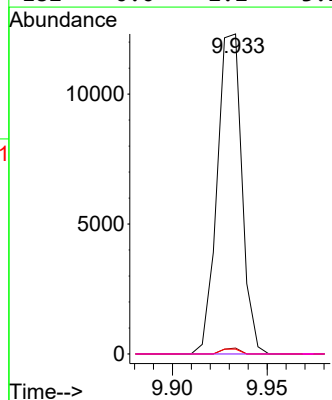
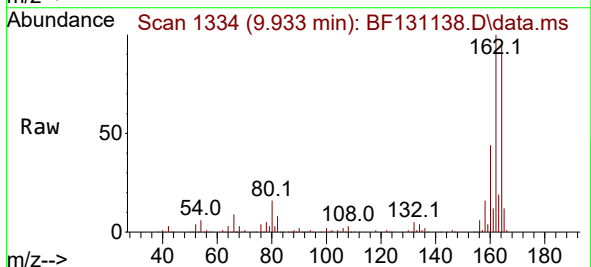
Instrument :  
BNA\_F  
ClientSampleId :  
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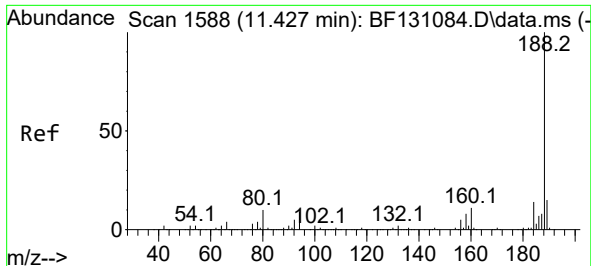
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Ion Ratio Lower Upper  
165 100  
63 1.9 61.4 92.2#  
89 1.5 56.0 84.0#



#57  
2,4-Dinitrotoluene  
Concen: 6.253 ng  
RT: 9.933 min Scan# 1334  
Delta R.T. -0.194 min  
Lab File: BF131138.D  
Acq: 10 Nov 2022 23:13

Tgt Ion:165 Resp: 11200  
Ion Ratio Lower Upper  
165 100  
63 1.9 46.9 70.3#  
89 1.5 66.9 100.3#  
182 0.0 2.2 3.2#

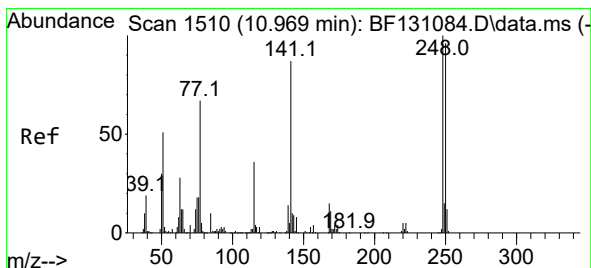
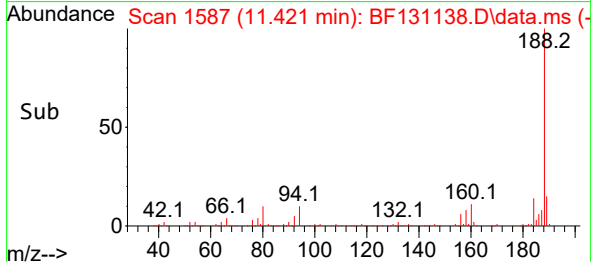
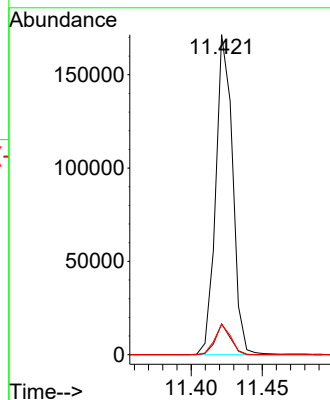
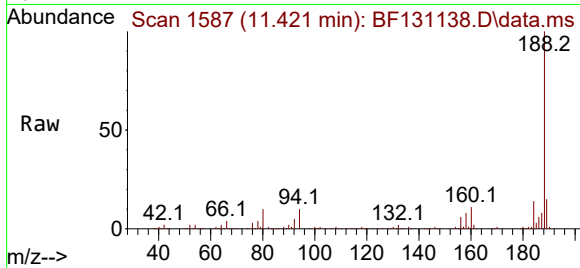




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.421 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF131138.D  
Acq: 10 Nov 2022 23:13

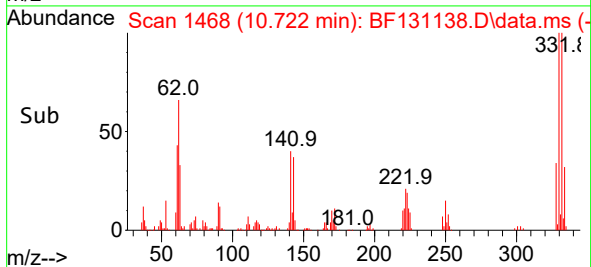
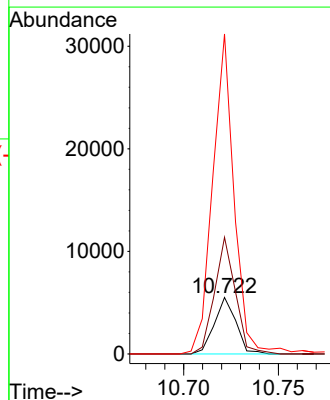
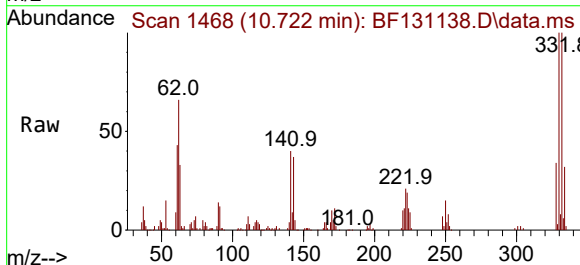
Instrument :  
BNA\_F  
ClientSampleId :  
SB-21

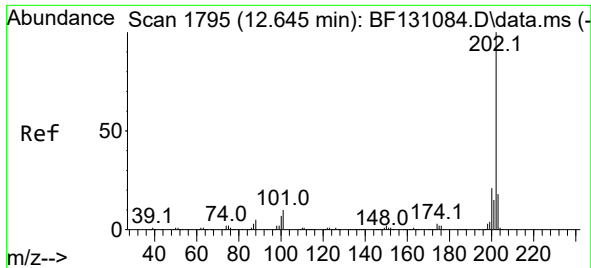
Tgt Ion:188 Resp: 141304  
Ion Ratio Lower Upper  
188 100  
94 9.7 7.0 10.6  
80 9.5 7.9 11.9



#67  
4-Bromophenyl-phenylether  
Concen: 2.739 ng  
RT: 10.722 min Scan# 1468  
Delta R.T. -0.247 min  
Lab File: BF131138.D  
Acq: 10 Nov 2022 23:13

Tgt Ion:248 Resp: 4377  
Ion Ratio Lower Upper  
248 100  
250 206.5 77.0 115.6#  
141 566.8 69.7 104.5#

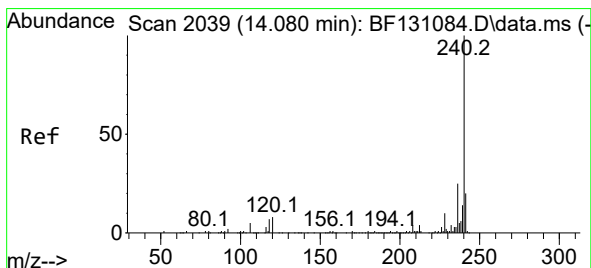
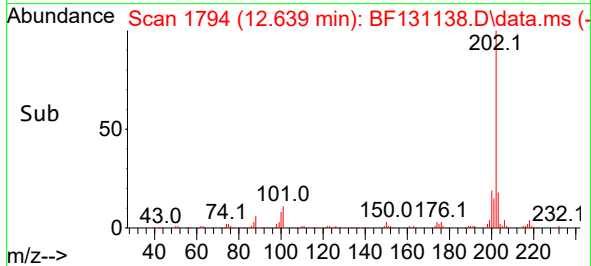
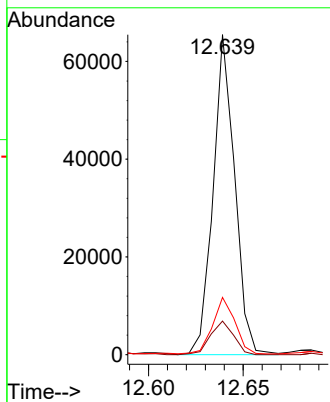
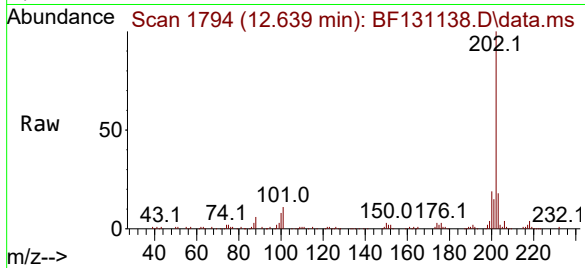




#75  
Fluoranthene  
Concen: 6.695 ng  
RT: 12.639 min Scan# 1794  
Delta R.T. -0.006 min  
Lab File: BF131138.D  
Acq: 10 Nov 2022 23:13

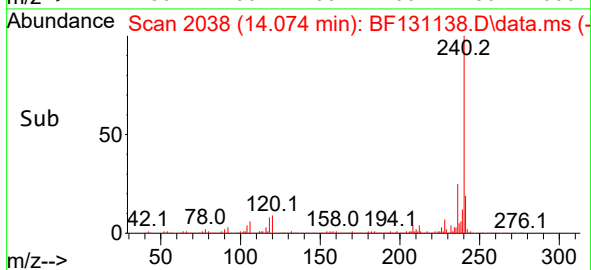
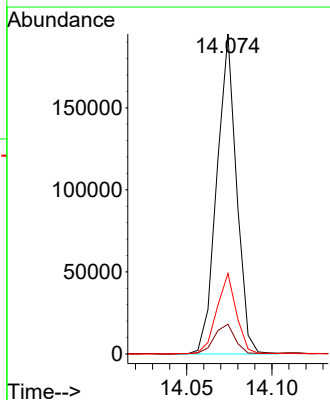
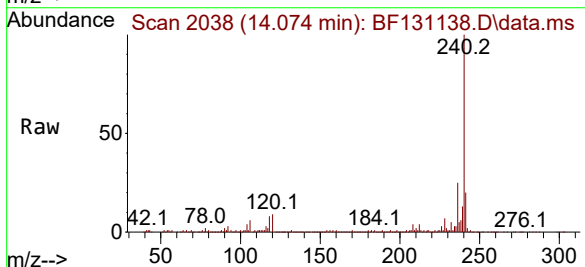
Instrument :  
BNA\_F  
ClientSampleId :  
SB-21

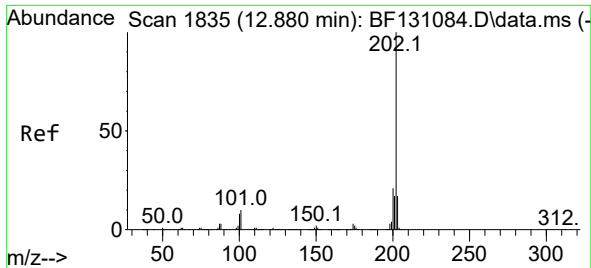
Tgt Ion:202 Resp: 52080  
Ion Ratio Lower Upper  
202 100  
101 10.5 0.0 30.0  
203 17.9 0.0 37.7



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.074 min Scan# 2038  
Delta R.T. -0.006 min  
Lab File: BF131138.D  
Acq: 10 Nov 2022 23:13

Tgt Ion:240 Resp: 157162  
Ion Ratio Lower Upper  
240 100  
120 9.3 6.5 9.7  
236 25.1 19.7 29.5

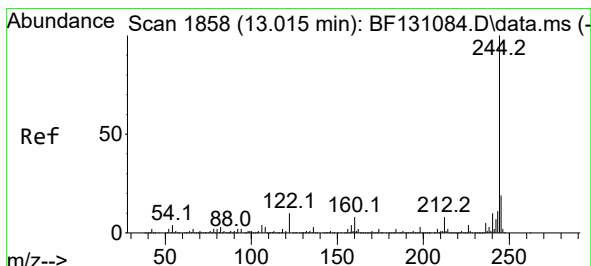
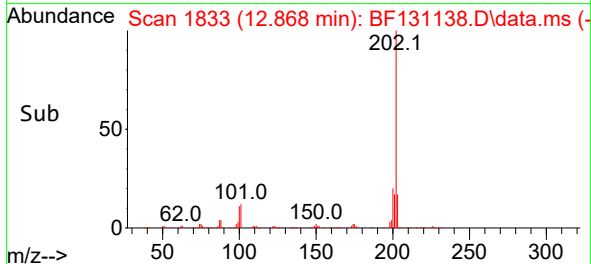
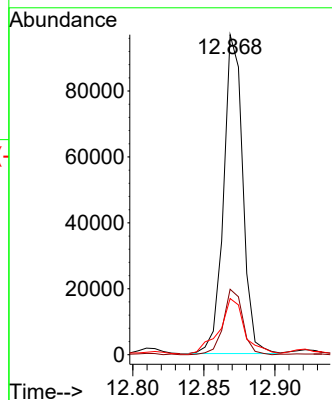
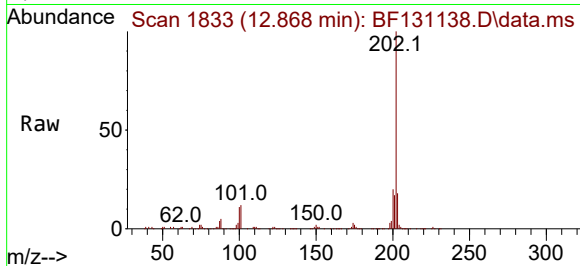




#78  
 Pyrene  
 Concen: 6.737 ng  
 RT: 12.868 min Scan# 1833  
 Delta R.T. -0.012 min  
 Lab File: BF131138.D  
 Acq: 10 Nov 2022 23:13

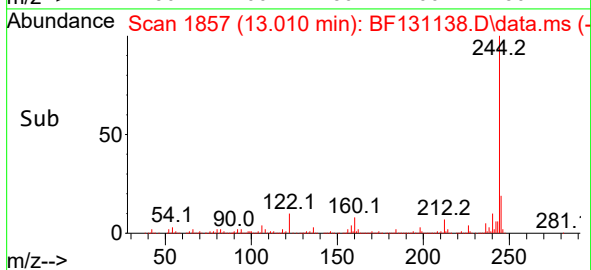
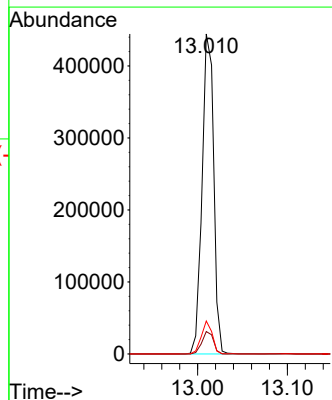
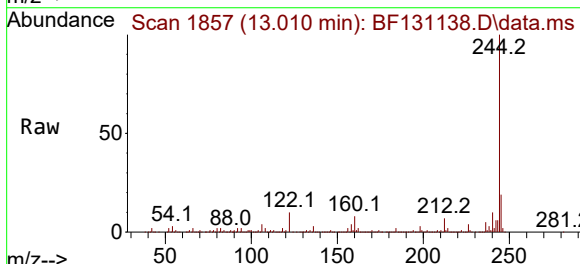
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-21

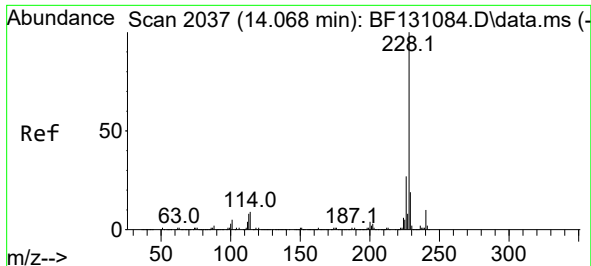
Tgt Ion:202 Resp: 90844  
 Ion Ratio Lower Upper  
 202 100  
 200 20.4 16.8 25.2  
 203 17.5 13.6 20.4



#79  
 Terphenyl-d14  
 Concen: 44.674 ng  
 RT: 13.010 min Scan# 1857  
 Delta R.T. -0.005 min  
 Lab File: BF131138.D  
 Acq: 10 Nov 2022 23:13

Tgt Ion:244 Resp: 400445  
 Ion Ratio Lower Upper  
 244 100  
 212 7.0 6.2 9.2  
 122 10.3 7.8 11.8

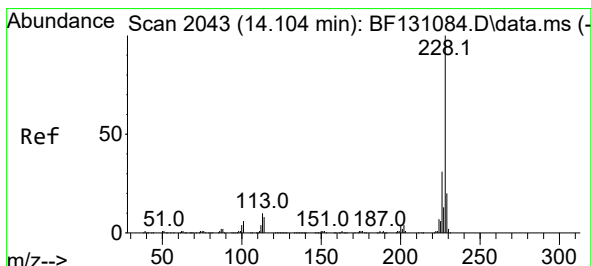
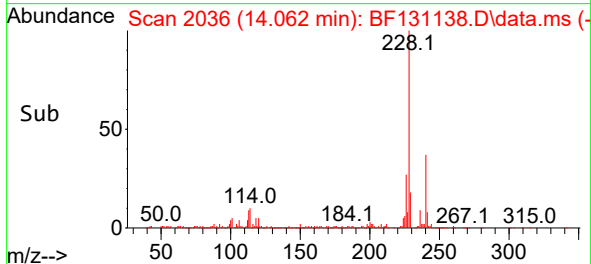
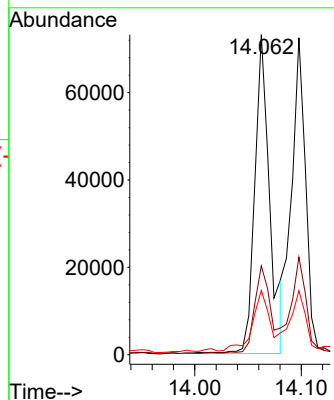
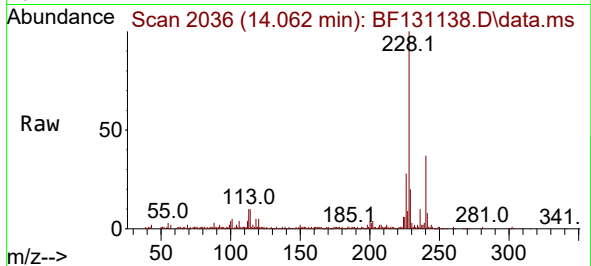




#81  
Benzo(a)anthracene  
Concen: 6.331 ng  
RT: 14.062 min Scan# 2036  
Delta R.T. -0.006 min  
Lab File: BF131138.D  
Acq: 10 Nov 2022 23:13

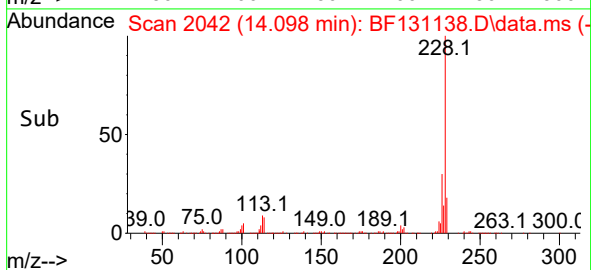
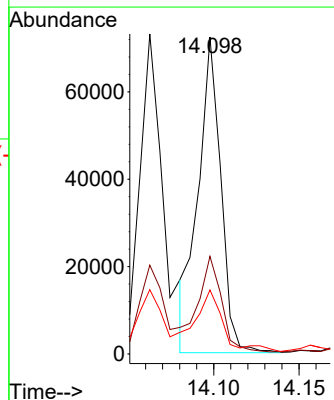
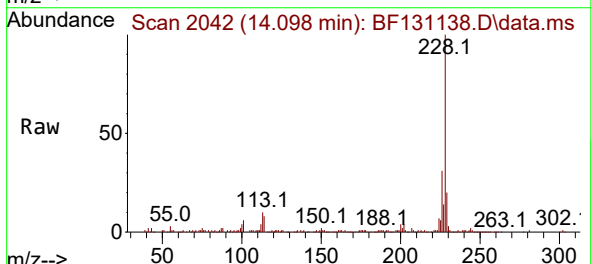
Instrument :  
BNA\_F  
ClientSampleId :  
SB-21

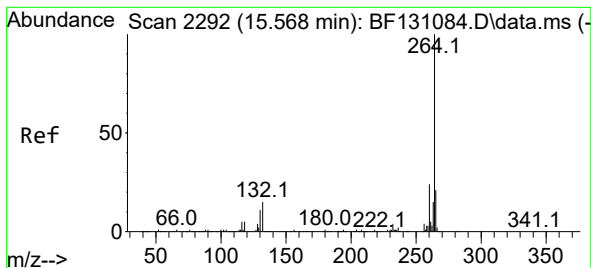
Tgt Ion:228 Resp: 71114  
Ion Ratio Lower Upper  
228 100  
226 27.8 21.8 32.6  
229 20.1 15.4 23.2



#83  
Chrysene  
Concen: 6.301 ng  
RT: 14.098 min Scan# 2042  
Delta R.T. -0.006 min  
Lab File: BF131138.D  
Acq: 10 Nov 2022 23:13

Tgt Ion:228 Resp: 66843  
Ion Ratio Lower Upper  
228 100  
226 30.8 24.4 36.6  
229 20.2 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.568 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF131138.D

Acq: 10 Nov 2022 23:13

Instrument :

BNA\_F

ClientSampleId :

SB-21

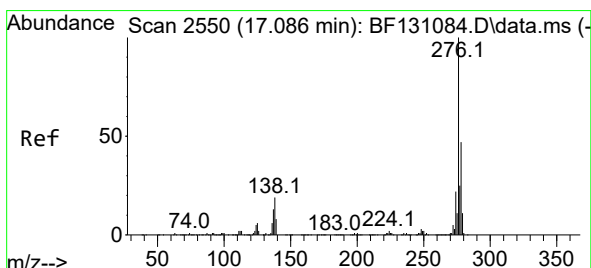
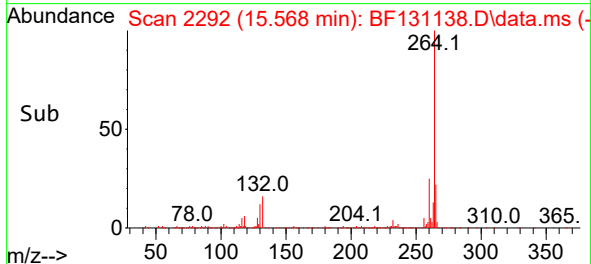
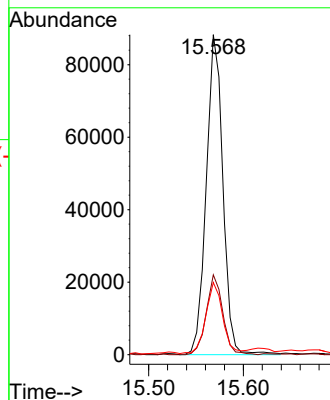
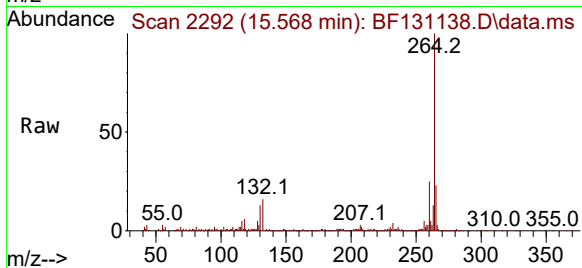
Tgt Ion:264 Resp: 107839

Ion Ratio Lower Upper

264 100

260 25.0 19.1 28.7

265 22.6 16.7 25.1



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.524 ng

RT: 17.080 min Scan# 2549

Delta R.T. -0.006 min

Lab File: BF131138.D

Acq: 10 Nov 2022 23:13

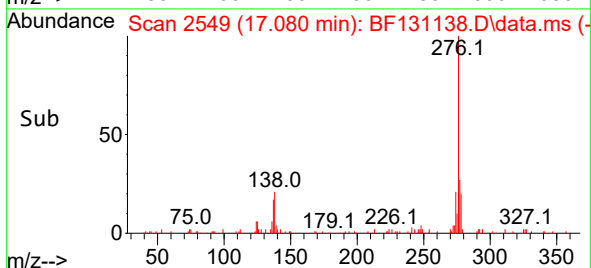
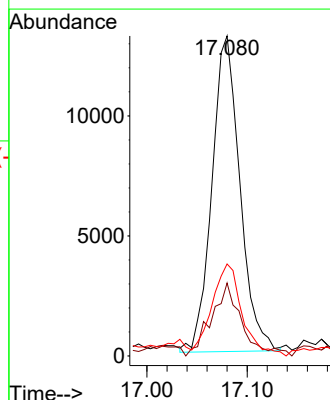
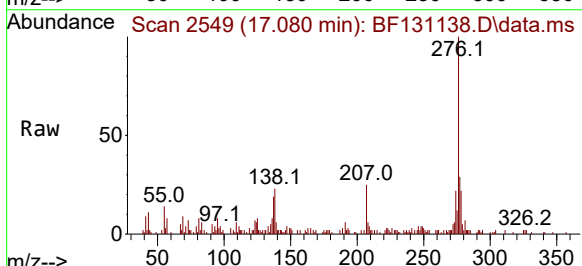
Tgt Ion:276 Resp: 25516

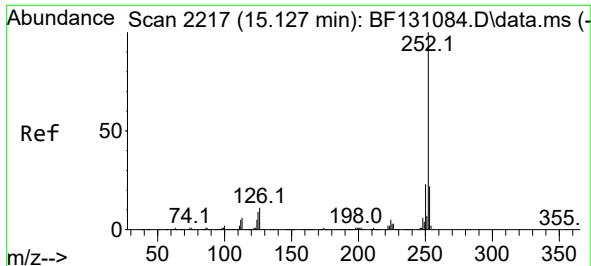
Ion Ratio Lower Upper

276 100

138 23.8 16.9 25.3

277 31.3 20.3 30.5#

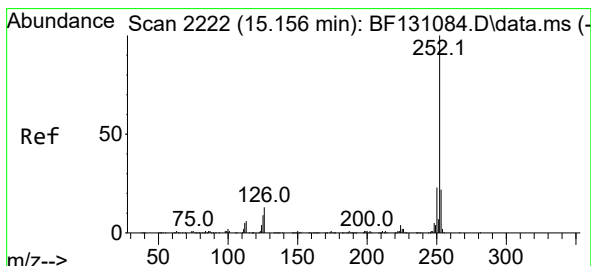
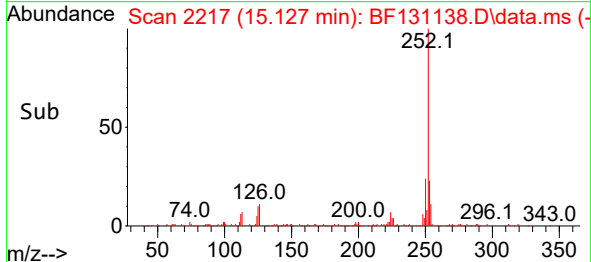
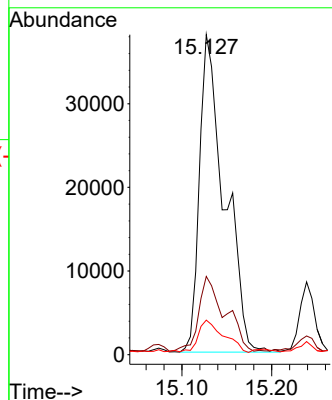
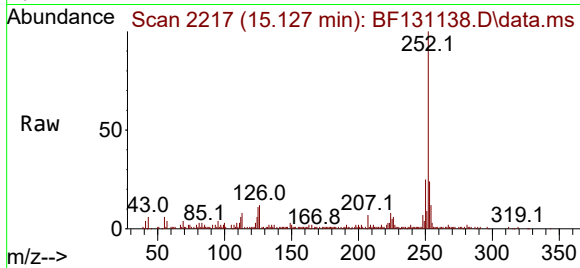




#88  
Benzo(b)fluoranthene  
Concen: 9.647 ng  
RT: 15.127 min Scan# 2217  
Delta R.T. 0.000 min  
Lab File: BF131138.D  
Acq: 10 Nov 2022 23:13

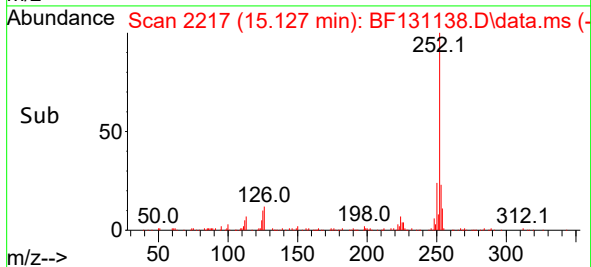
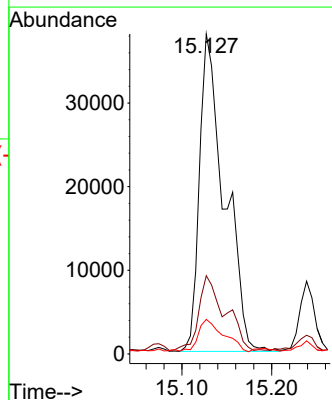
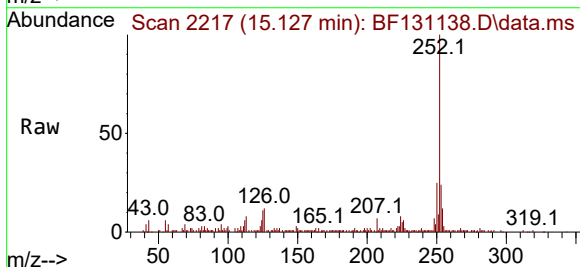
Instrument :  
BNA\_F  
ClientSampleId :  
SB-21

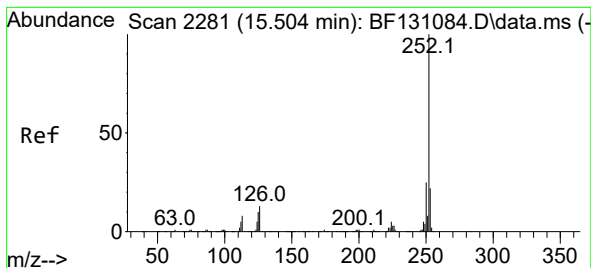
Tgt Ion:252 Resp: 73553  
Ion Ratio Lower Upper  
252 100  
253 24.4 17.3 25.9  
125 10.8 7.2 10.8#



#89  
Benzo(k)fluoranthene  
Concen: 10.037 ng  
RT: 15.127 min Scan# 2217  
Delta R.T. -0.029 min  
Lab File: BF131138.D  
Acq: 10 Nov 2022 23:13

Tgt Ion:252 Resp: 73553  
Ion Ratio Lower Upper  
252 100  
253 24.4 17.6 26.4  
125 10.8 7.5 11.3





#90

Benzo(a)pyrene

Concen: 7.351 ng

RT: 15.504 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF131138.D

Acq: 10 Nov 2022 23:13

Instrument :

BNA\_F

ClientSampleId :

SB-21

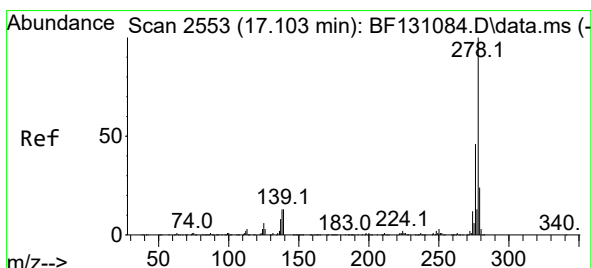
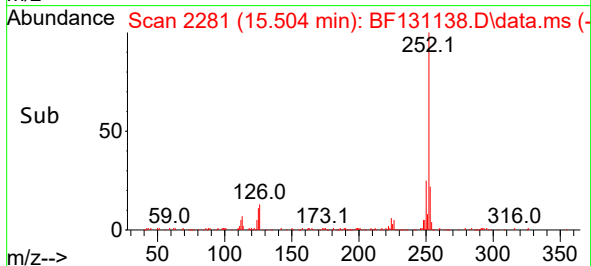
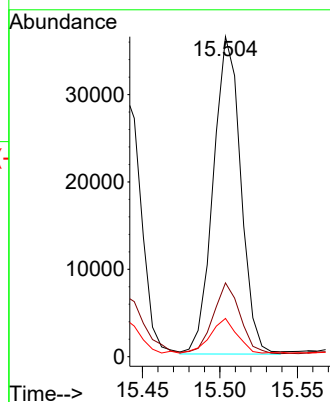
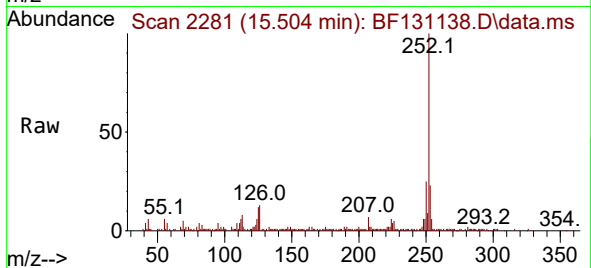
Tgt Ion:252 Resp: 44936

Ion Ratio Lower Upper

252 100

253 23.0 17.8 26.8

125 12.0 8.1 12.1



#91

Dibenzo(a,h)anthracene

Concen: 4.798 ng

RT: 17.086 min Scan# 2550

Delta R.T. -0.017 min

Lab File: BF131138.D

Acq: 10 Nov 2022 23:13

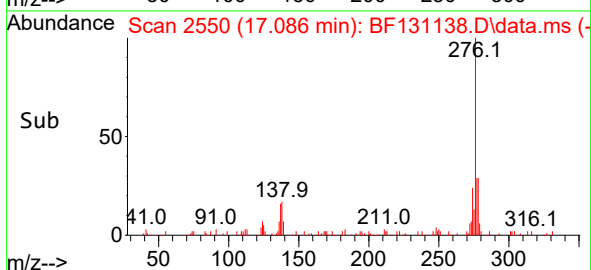
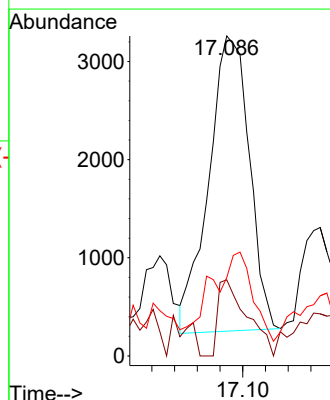
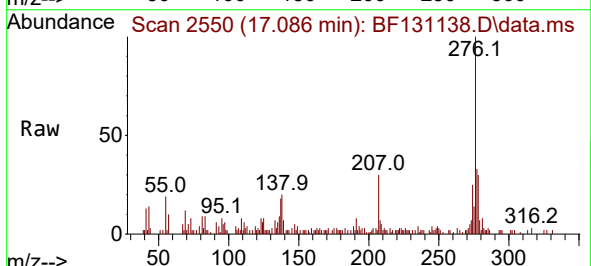
Tgt Ion:278 Resp: 7454

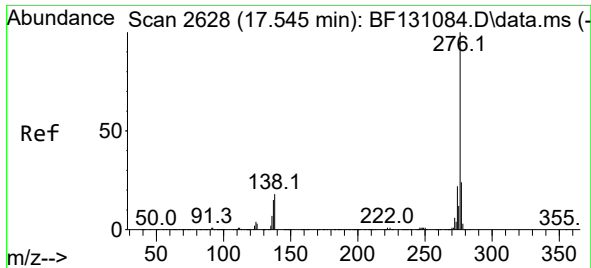
Ion Ratio Lower Upper

278 100

139 23.8 10.8 16.2#

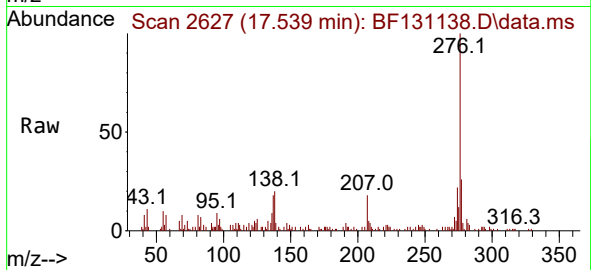
279 24.5 19.2 28.8





#92  
 Benzo(g,h,i)perylene  
 Concen: 7.801 ng  
 RT: 17.539 min Scan# 20  
 Delta R.T. -0.006 min  
 Lab File: BF131138.D  
 Acq: 10 Nov 2022 23:13

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-21



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 28659 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 277       | 25.7  | 19.0  | 28.4  |
| 138       | 19.9  | 14.6  | 21.8  |

