

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF082523\  
 Data File : BF134938.D  
 Acq On : 25 Aug 2023 13:34  
 Operator : CG\JU  
 Sample : PB155049BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB155049BL

Quant Time: Aug 25 13:53:19 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF082223.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 22 19:33:25 2023  
 Response via : Initial Calibration

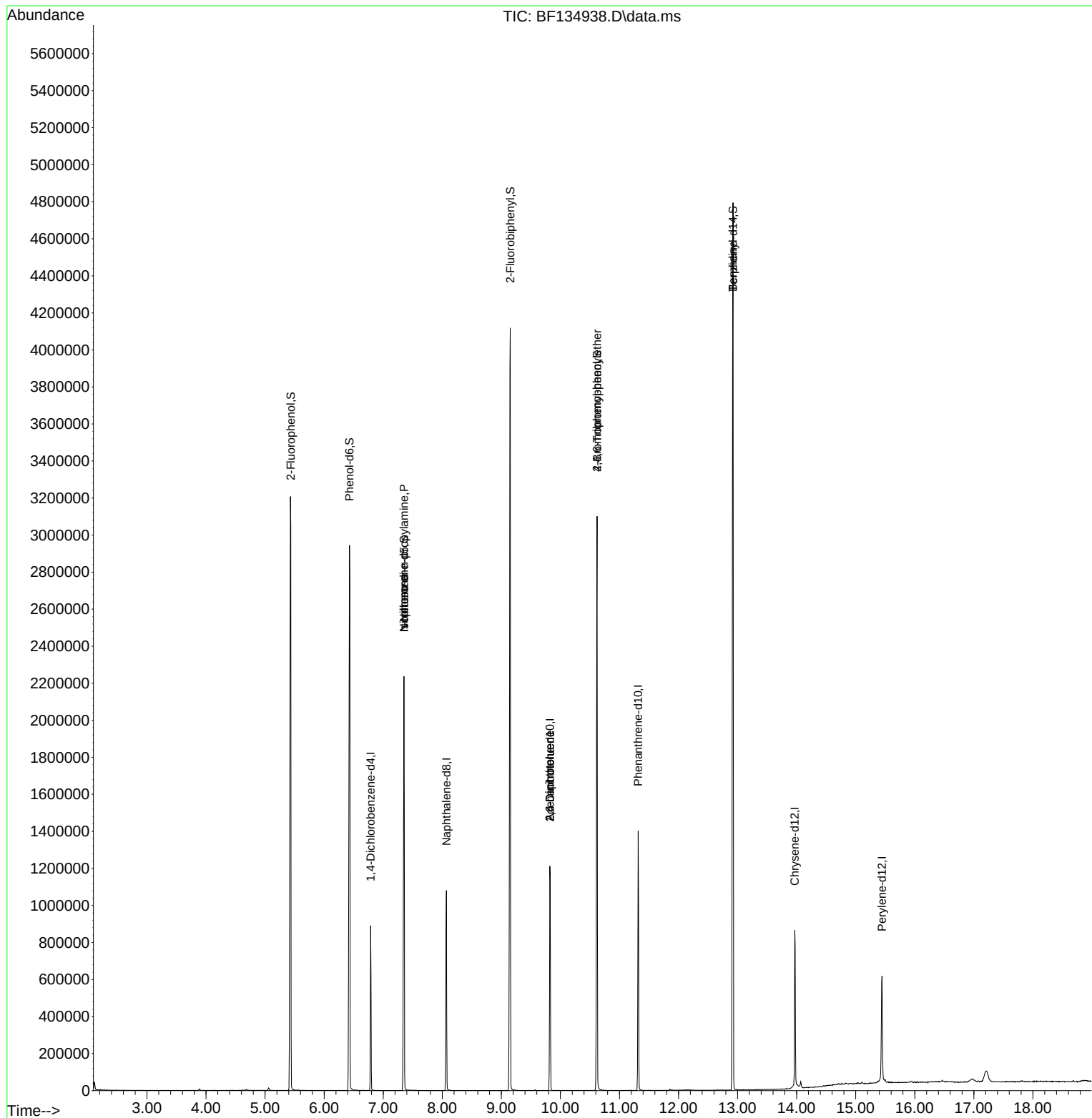
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.787  | 152  | 121215   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.069  | 136  | 486212   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.822  | 164  | 259326   | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.316 | 188  | 508881   | 20.000  | ng    | -0.01    |
| 76) Chrysene-d12              | 13.969 | 240  | 282063   | 20.000  | ng    | -0.01    |
| 86) Perylene-d12              | 15.445 | 264  | 263757   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.434  | 112  | 1006323  | 132.387 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.428  | 99   | 1258674  | 129.585 | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.351  | 82   | 804122   | 91.133  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.622 | 330  | 412939   | 135.203 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.151  | 172  | 1481369  | 88.307  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.922 | 244  | 1837452  | 89.598  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.351  | 70   | 108849   | 19.188  | ng    | # 77     |
| 25) Isophorone                | 7.351  | 82   | 794898   | 48.245  | ng    | # 64     |
| 51) 2,6-Dinitrotoluene        | 9.822  | 165  | 32818    | 8.061   | ng    | # 28     |
| 57) 2,4-Dinitrotoluene        | 9.822  | 165  | 32818    | 6.518   | ng    | # 25     |
| 67) 4-Bromophenyl-phenylether | 10.622 | 248  | 27156    | 4.625   | ng    | # 1      |
| 77) Benzidine                 | 12.922 | 184  | 22848    | 4.993   | ng    | # 92     |
| -----                         |        |      |          |         |       |          |

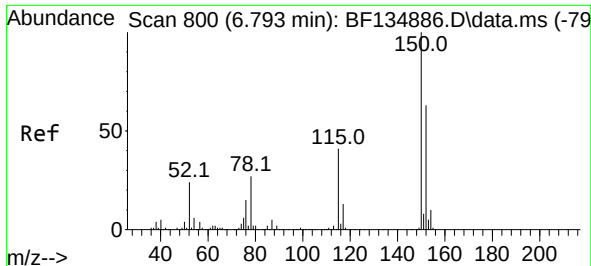
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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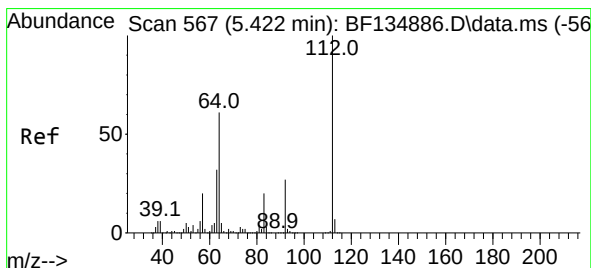
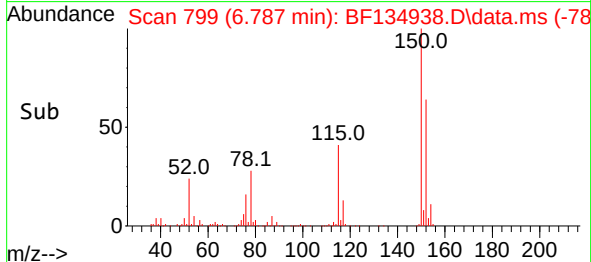
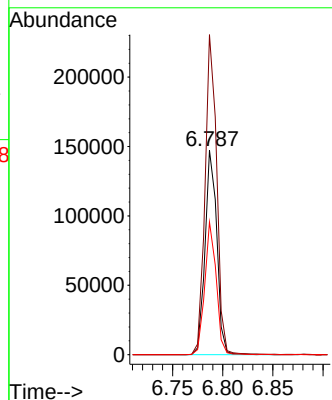
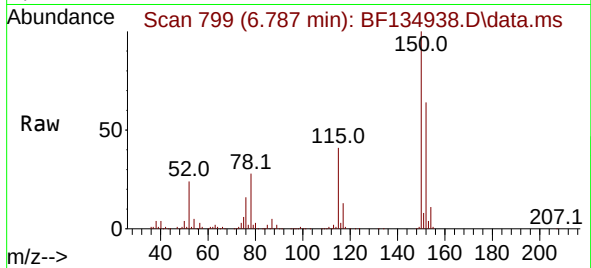




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.787 min Scan# 79  
 Delta R.T. -0.006 min  
 Lab File: BF134938.D  
 Acq: 25 Aug 2023 13:34

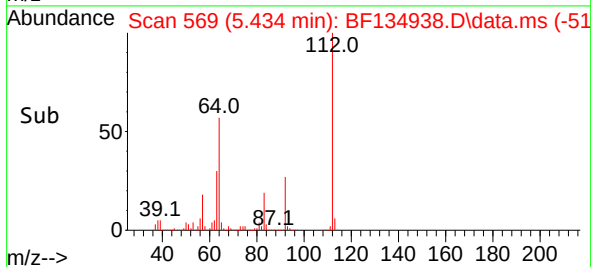
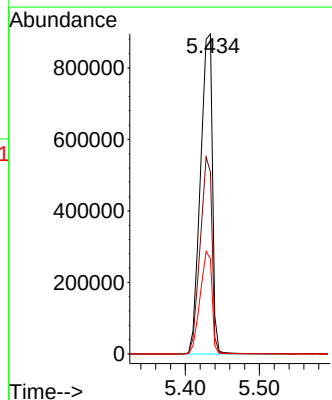
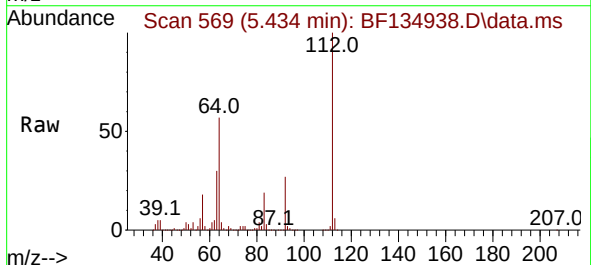
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB155049BL

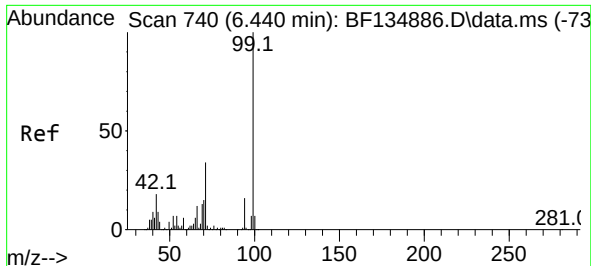
Tgt Ion:152 Resp: 121215  
 Ion Ratio Lower Upper  
 152 100  
 150 156.7 126.1 189.1  
 115 64.9 51.1 76.7



#5  
 2-Fluorophenol  
 Concen: 132.387 ng  
 RT: 5.434 min Scan# 569  
 Delta R.T. 0.012 min  
 Lab File: BF134938.D  
 Acq: 25 Aug 2023 13:34

Tgt Ion:112 Resp: 1006323  
 Ion Ratio Lower Upper  
 112 100  
 64 56.8 48.6 73.0  
 63 29.8 25.7 38.5

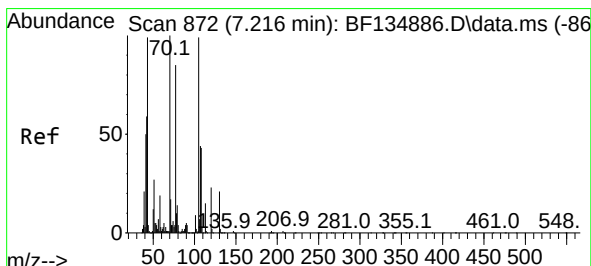
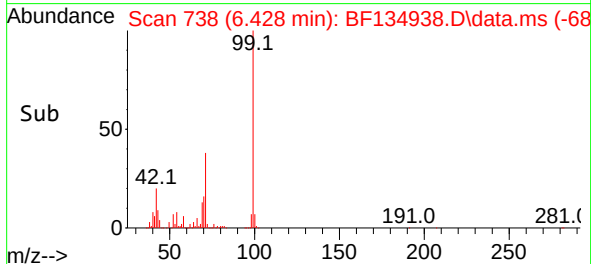
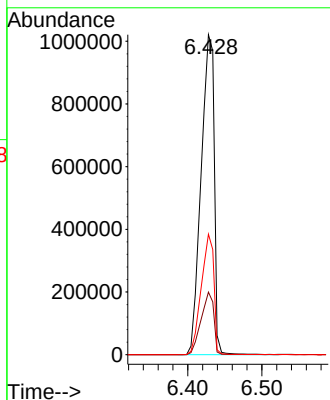
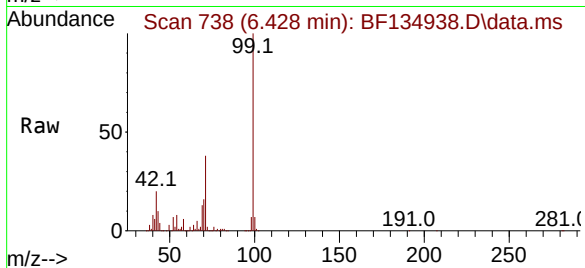




#7  
Phenol-d6  
Concen: 129.585 ng  
RT: 6.428 min Scan# 740  
Delta R.T. -0.012 min  
Lab File: BF134938.D  
Acq: 25 Aug 2023 13:34

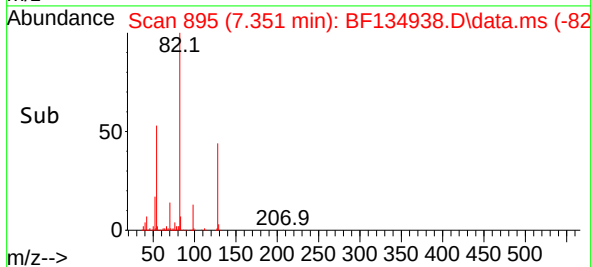
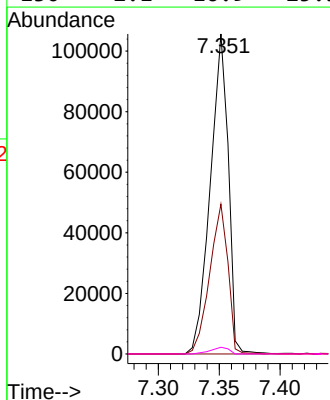
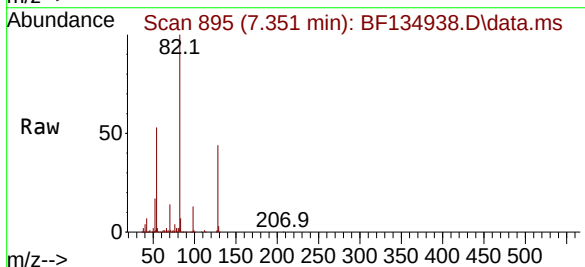
Instrument :  
BNA\_F  
ClientSampleId :  
PB155049BL

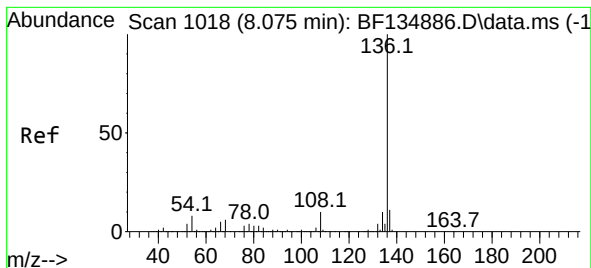
Tgt Ion: 99 Resp: 1258674  
Ion Ratio Lower Upper  
99 100  
42 19.5 14.6 22.0  
71 37.7 27.6 41.4



#19  
n-Nitroso-di-n-propylamine  
Concen: 19.188 ng  
RT: 7.351 min Scan# 895  
Delta R.T. 0.135 min  
Lab File: BF134938.D  
Acq: 25 Aug 2023 13:34

Tgt Ion: 70 Resp: 108849  
Ion Ratio Lower Upper  
70 100  
42 46.8 46.9 70.3#  
101 0.0 7.5 11.3#  
130 2.1 16.9 25.3#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.069 min Scan# 1017

Delta R.T. -0.006 min

Lab File: BF134938.D

Acq: 25 Aug 2023 13:34

Instrument :

BNA\_F

ClientSampleId :

PB155049BL

Tgt Ion:136 Resp: 486212

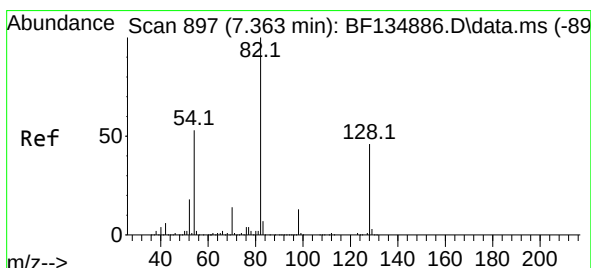
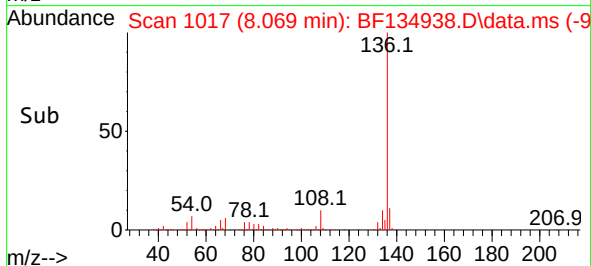
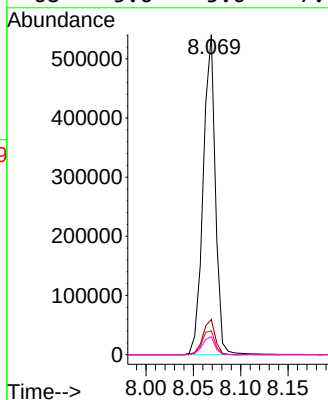
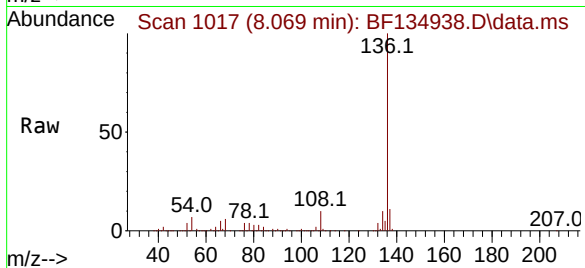
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 7.5 6.6 9.8

68 5.6 5.0 7.4



#23

Nitrobenzene-d5

Concen: 91.133 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.012 min

Lab File: BF134938.D

Acq: 25 Aug 2023 13:34

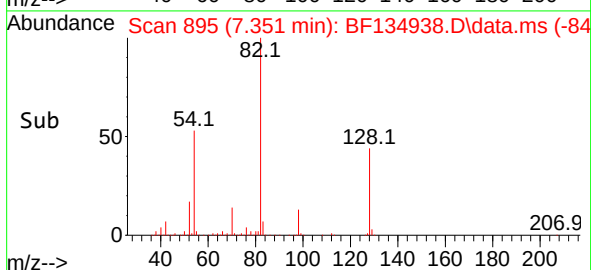
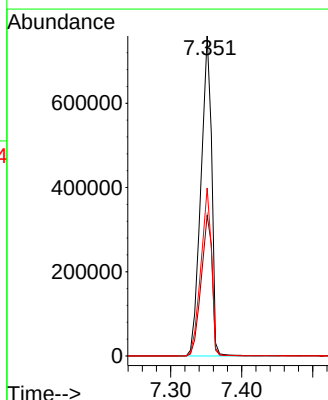
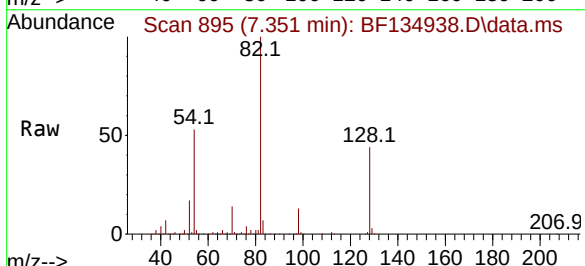
Tgt Ion: 82 Resp: 804122

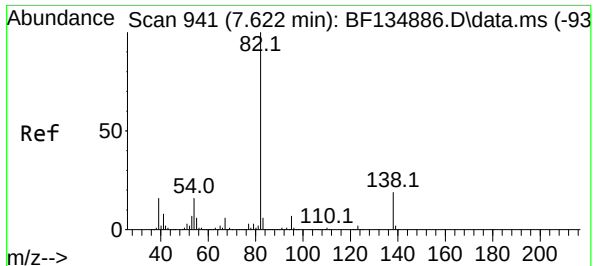
Ion Ratio Lower Upper

82 100

128 44.0 36.6 54.8

54 52.5 42.6 63.8

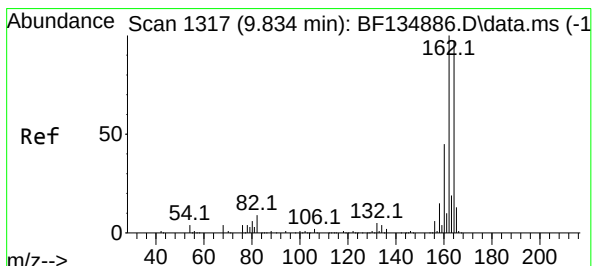
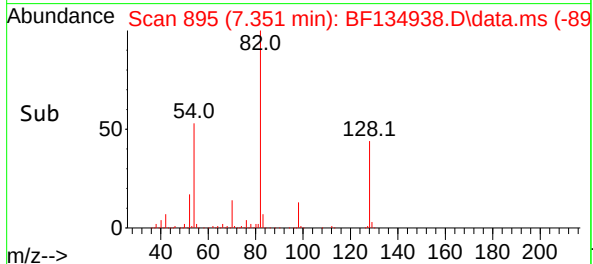
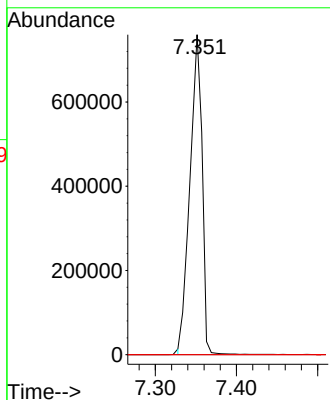
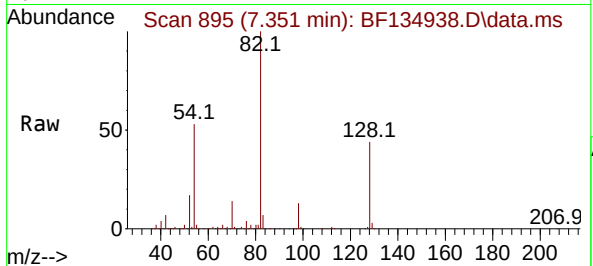




#25  
Isophorone  
Concen: 48.245 ng  
RT: 7.351 min Scan# 89  
Delta R.T. -0.271 min  
Lab File: BF134938.D  
Acq: 25 Aug 2023 13:34

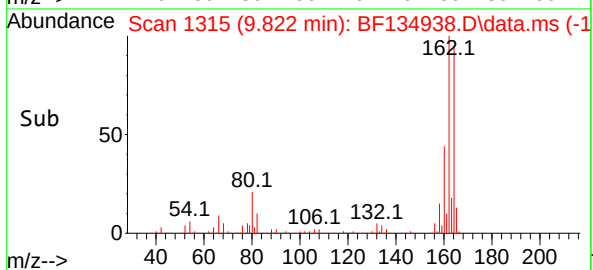
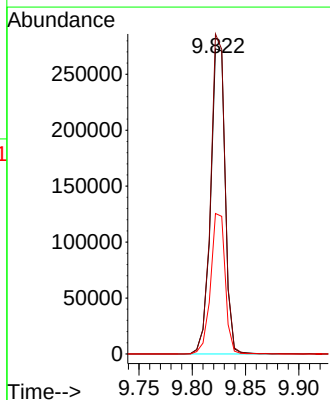
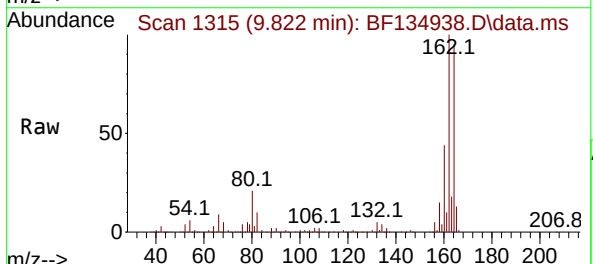
Instrument :  
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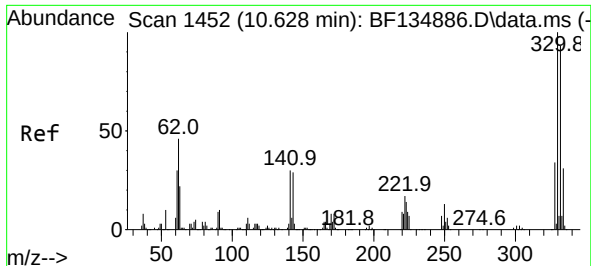
Tgt Ion: 82 Resp: 794898  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.9 8.9#  
138 0.0 14.9 22.3#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.822 min Scan# 1315  
Delta R.T. -0.012 min  
Lab File: BF134938.D  
Acq: 25 Aug 2023 13:34

Tgt Ion: 164 Resp: 259326  
Ion Ratio Lower Upper  
164 100  
162 104.9 82.6 123.8  
160 46.0 37.0 55.4

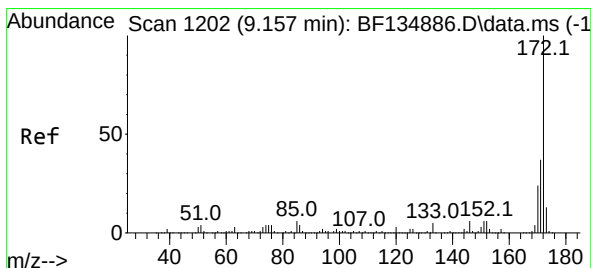
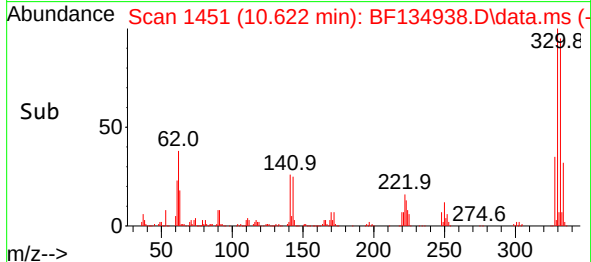
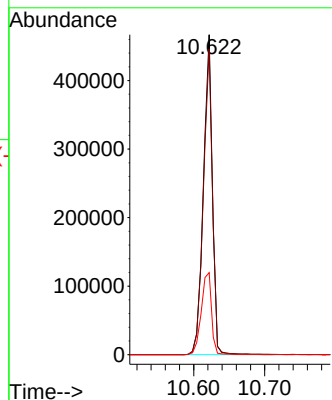
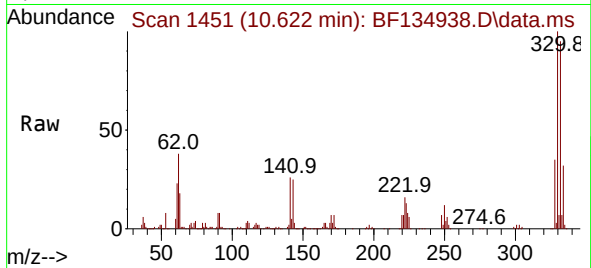




#42  
2,4,6-Tribromophenol  
Concen: 135.203 ng  
RT: 10.622 min Scan# 1451  
Delta R.T. -0.006 min  
Lab File: BF134938.D  
Acq: 25 Aug 2023 13:34

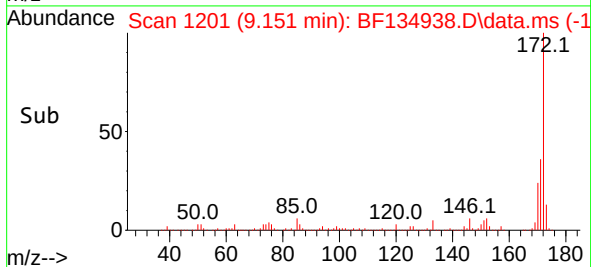
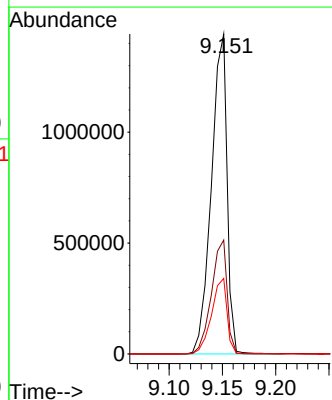
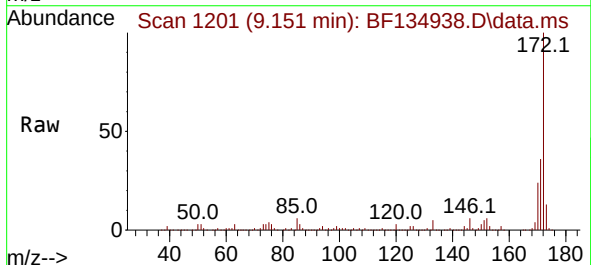
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ClientSampleId :  
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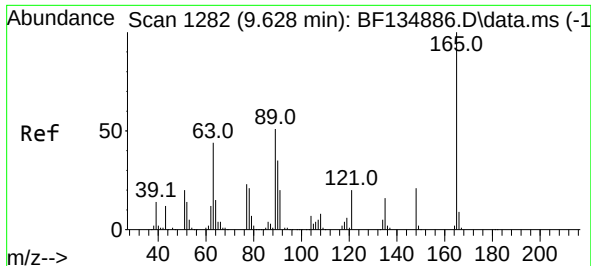
Tgt Ion:330 Resp: 412939  
Ion Ratio Lower Upper  
330 100  
332 96.5 76.3 114.5  
141 29.3 23.4 35.2



#45  
2-Fluorobiphenyl  
Concen: 88.307 ng  
RT: 9.151 min Scan# 1201  
Delta R.T. -0.006 min  
Lab File: BF134938.D  
Acq: 25 Aug 2023 13:34

Tgt Ion:172 Resp: 1481369  
Ion Ratio Lower Upper  
172 100  
171 35.6 29.4 44.0  
170 23.6 19.6 29.4

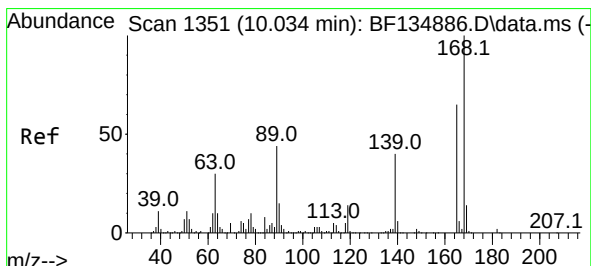
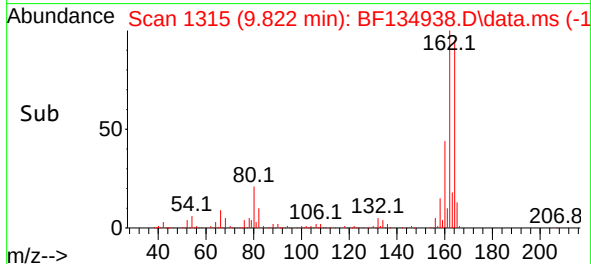
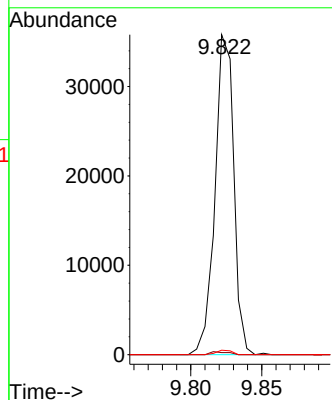
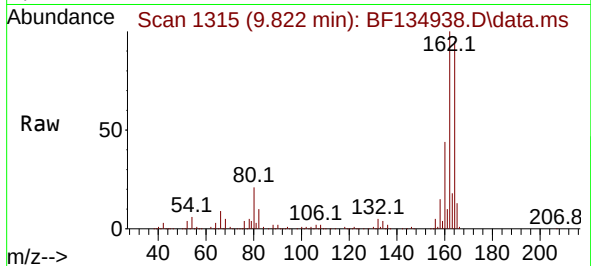




#51  
2,6-Dinitrotoluene  
Concen: 8.061 ng  
RT: 9.822 min Scan# 1315  
Delta R.T. 0.194 min  
Lab File: BF134938.D  
Acq: 25 Aug 2023 13:34

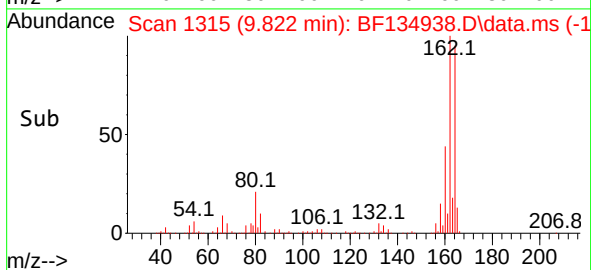
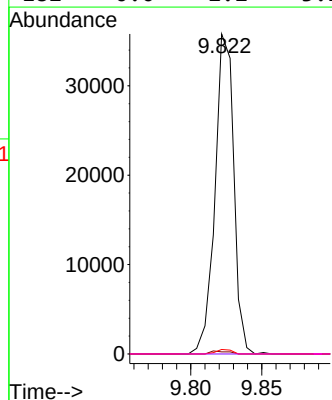
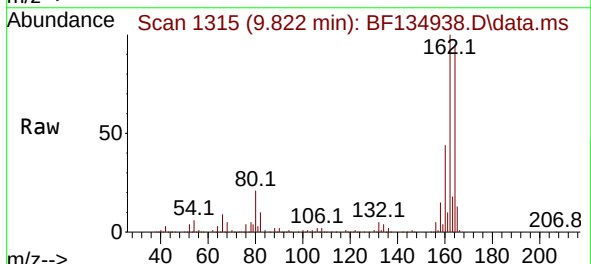
Instrument :  
BNA\_F  
ClientSampleId :  
PB155049BL

Tgt Ion:165 Resp: 32818  
Ion Ratio Lower Upper  
165 100  
63 0.7 41.4 62.2#  
89 1.4 40.9 61.3#

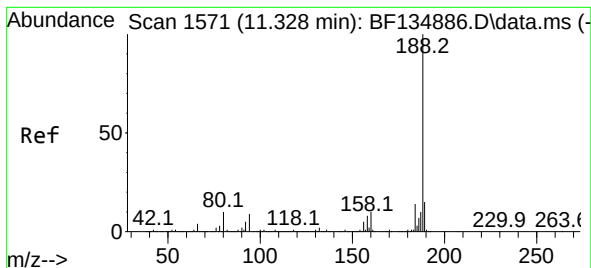


#57  
2,4-Dinitrotoluene  
Concen: 6.518 ng  
RT: 9.822 min Scan# 1315  
Delta R.T. -0.212 min  
Lab File: BF134938.D  
Acq: 25 Aug 2023 13:34

Tgt Ion:165 Resp: 32818  
Ion Ratio Lower Upper  
165 100  
63 0.7 37.7 56.5#  
89 1.4 54.2 81.4#  
182 0.0 2.2 3.2#







#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.316 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF134938.D

Acq: 25 Aug 2023 13:34

Instrument :

BNA\_F

ClientSampleId :

PB155049BL

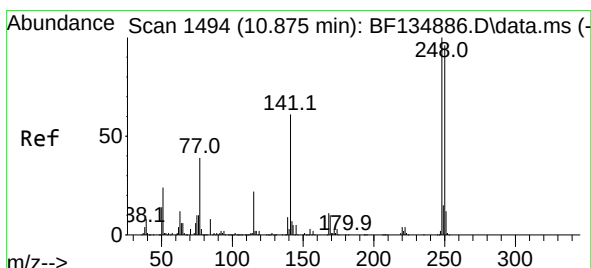
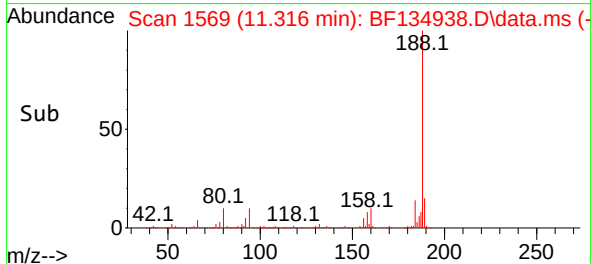
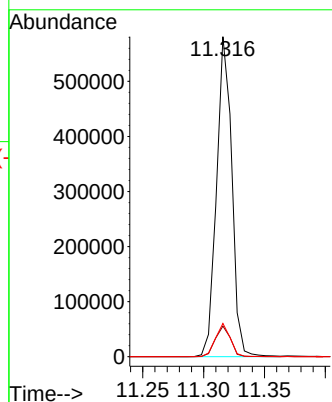
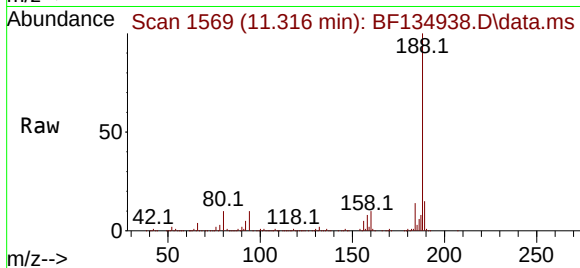
Tgt Ion:188 Resp: 508881

Ion Ratio Lower Upper

188 100

94 9.5 7.5 11.3

80 10.4 7.8 11.6



#67

4-Bromophenyl-phenylether

Concen: 4.625 ng

RT: 10.622 min Scan# 1451

Delta R.T. -0.253 min

Lab File: BF134938.D

Acq: 25 Aug 2023 13:34

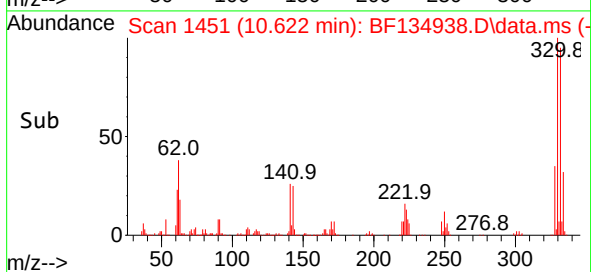
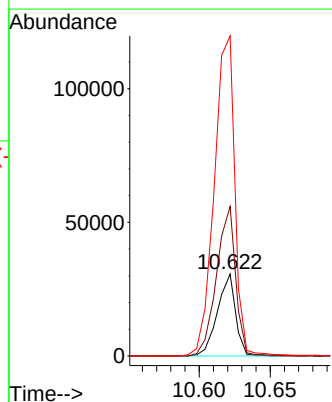
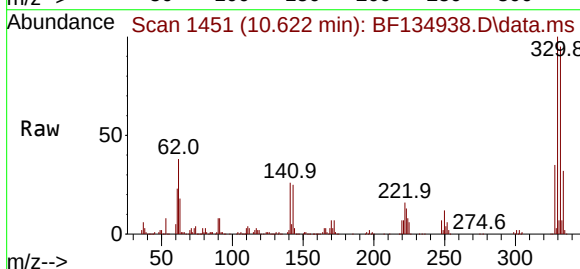
Tgt Ion:248 Resp: 27156

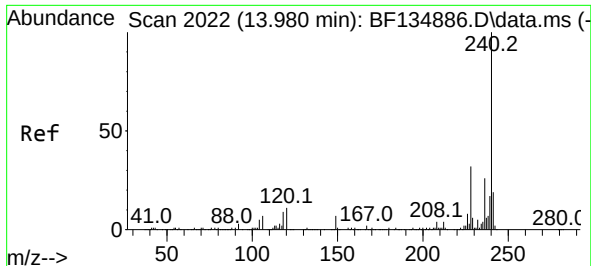
Ion Ratio Lower Upper

248 100

250 182.6 77.1 115.7#

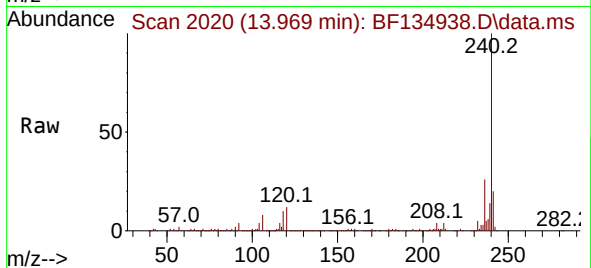
141 390.9 49.0 73.4#



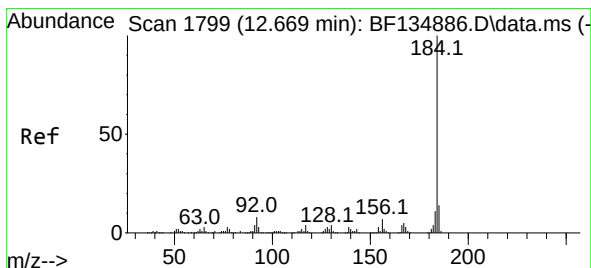
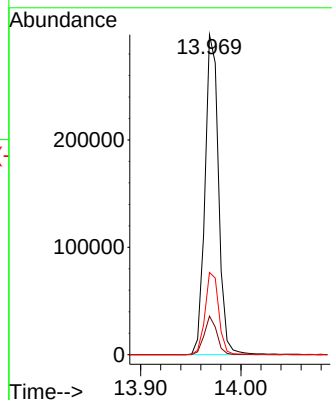
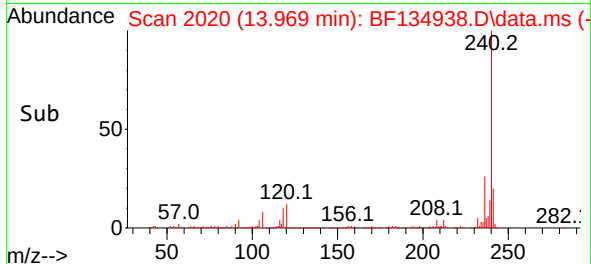


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.969 min Scan# 20  
Delta R.T. -0.012 min  
Lab File: BF134938.D  
Acq: 25 Aug 2023 13:34

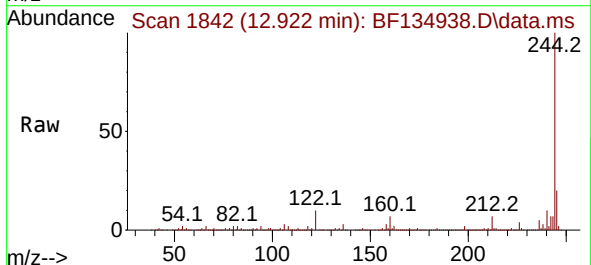
Instrument :  
BNA\_F  
ClientSampleId :  
PB155049BL



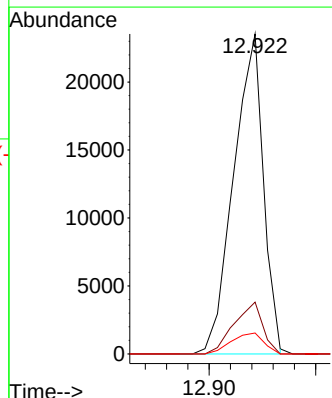
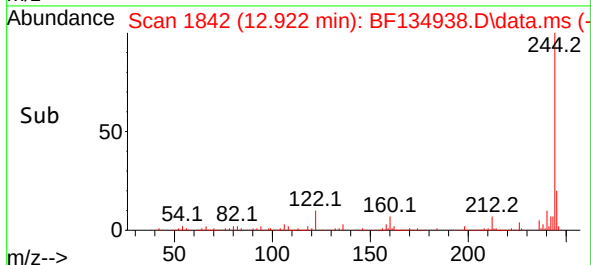
Tgt Ion:240 Resp: 282063  
Ion Ratio Lower Upper  
240 100  
120 12.0 8.6 12.8  
236 25.7 20.6 31.0

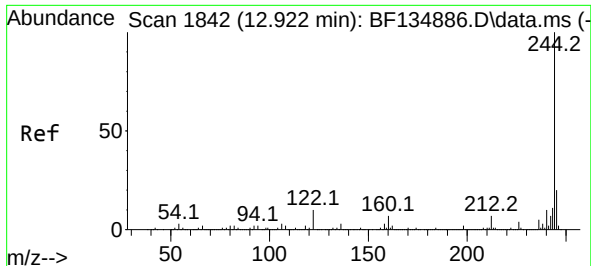


#77  
Benzidine  
Concen: 4.993 ng  
RT: 12.922 min Scan# 1842  
Delta R.T. 0.253 min  
Lab File: BF134938.D  
Acq: 25 Aug 2023 13:34



Tgt Ion:184 Resp: 22848  
Ion Ratio Lower Upper  
184 100  
185 16.2 11.4 17.0  
183 6.6 9.0 13.4#





#79

Terphenyl-d14

Concen: 89.598 ng

RT: 12.922 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF134938.D

Acq: 25 Aug 2023 13:34

Instrument :

BNA\_F

ClientSampleId :

PB155049BL

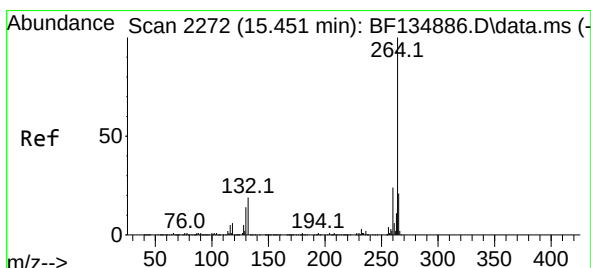
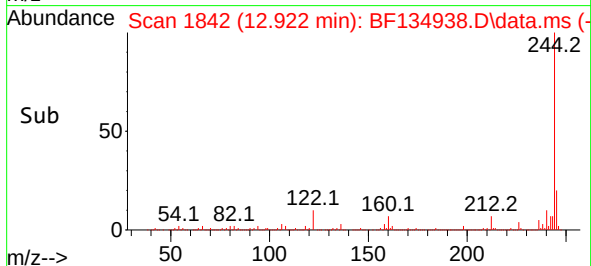
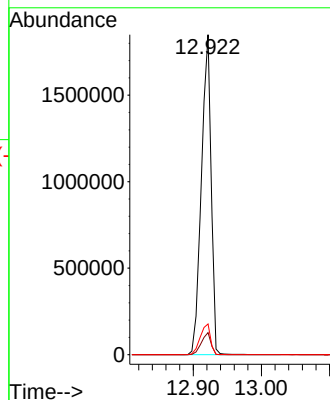
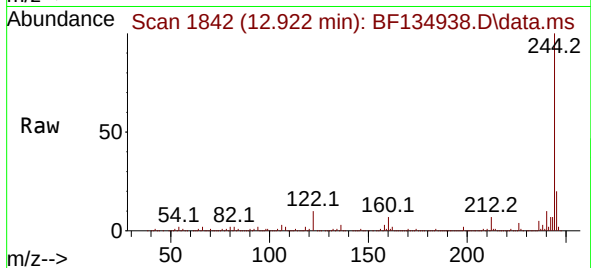
Tgt Ion:244 Resp: 1837452

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

122 9.6 8.2 12.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.445 min Scan# 2271

Delta R.T. -0.006 min

Lab File: BF134938.D

Acq: 25 Aug 2023 13:34

Tgt Ion:264 Resp: 263757

Ion Ratio Lower Upper

264 100

260 23.7 19.0 28.6

265 21.4 17.1 25.7

