

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF051023\  
 Data File : BF133334.D  
 Acq On : 10 May 2023 16:59  
 Operator : CG\JU  
 Sample : 02719-05  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-X01 10-12 20230509

Quant Time: May 10 17:57:08 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF042123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 09 04:59:36 2023  
 Response via : Initial Calibration

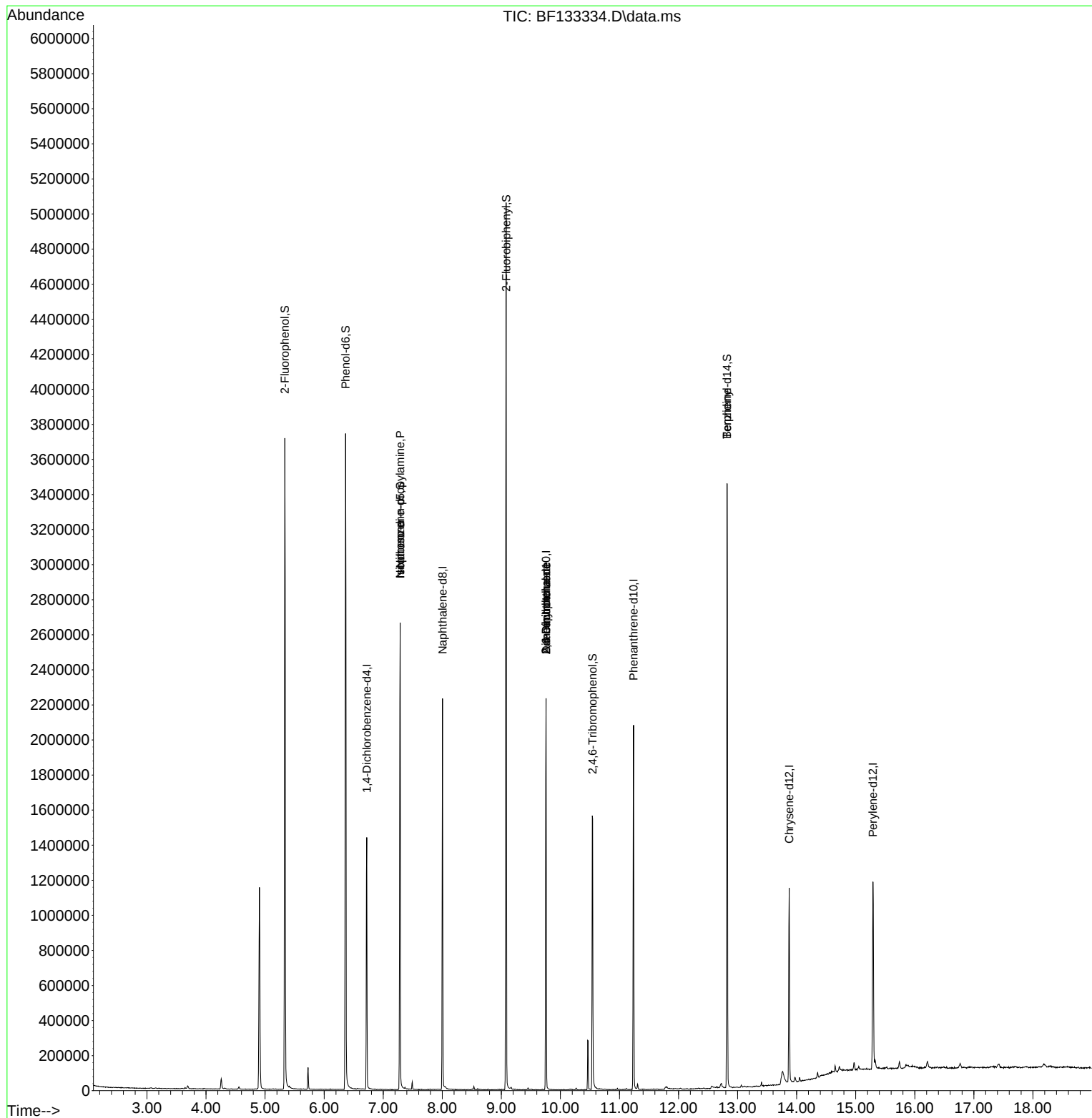
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.722  | 152  | 208378   | 20.000    | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.004  | 136  | 848403   | 20.000    | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.757  | 164  | 433128   | 20.000    | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.239 | 188  | 716108   | 20.000    | ng    | # 0.00   |
| 76) Chrysene-d12              | 13.874 | 240  | 355273   | 20.000    | ng    | 0.00     |
| 86) Perylene-d12              | 15.292 | 264  | 474469   | 20.000    | ng    | 0.00     |
|                               |        |      |          |           |       |          |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.334  | 112  | 1089080  | 78.951    | ng    | 0.00     |
| 7) Phenol-d6                  | 6.363  | 99   | 1324300  | 77.347    | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.287  | 82   | 795022   | 50.581    | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.545 | 330  | 194197   | 44.582    | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.081  | 172  | 1421310  | 54.899    | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.822 | 244  | 1177733  | 57.173    | ng    | -0.01    |
|                               |        |      |          |           |       |          |
| Target Compounds              |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde               | 6.275  | 77   | 263      | Below Cal | #     | 1        |
| 19) n-Nitroso-di-n-propyla... | 7.287  | 70   | 104692   | 9.822     | ng    | # 76     |
| 25) Isophorone                | 7.287  | 82   | 793610   | 26.593    | ng    | # 63     |
| 50) Dimethylphthalate         | 9.757  | 163  | 87914    | 2.911     | ng    | # 1      |
| 51) 2,6-Dinitrotoluene        | 9.757  | 165  | 57099    | 8.400     | ng    | # 25     |
| 57) 2,4-Dinitrotoluene        | 9.757  | 165  | 57100    | 6.587     | ng    | # 23     |
| 77) Benzidine                 | 12.822 | 184  | 14514    | 2.416     | ng    | # 90     |
| -----                         |        |      |          |           |       |          |

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

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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF042123.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue May 09 04:59:36 2023  
Response via : Initial Calibration

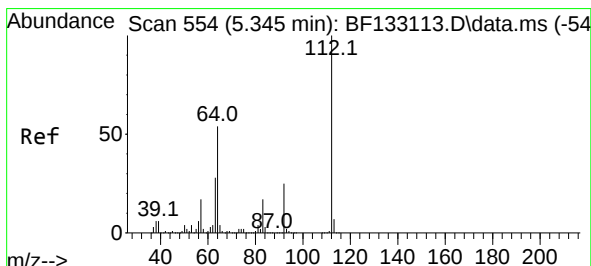
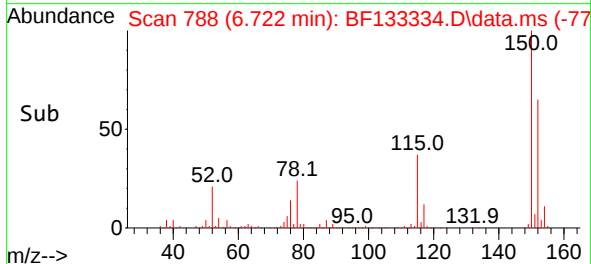
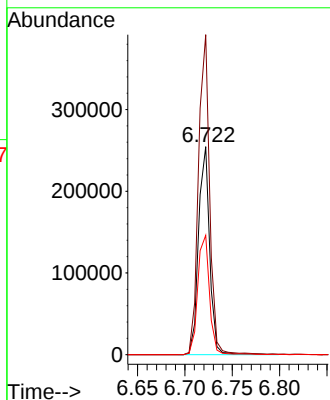
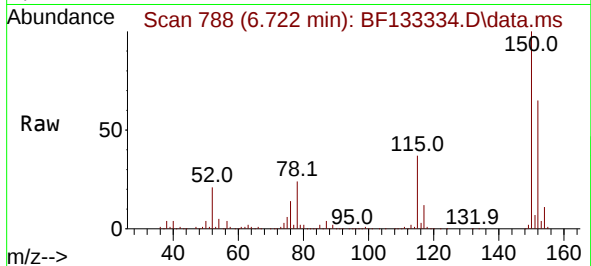




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.722 min Scan# 71  
 Delta R.T. -0.000 min  
 Lab File: BF133334.D  
 Acq: 10 May 2023 16:59

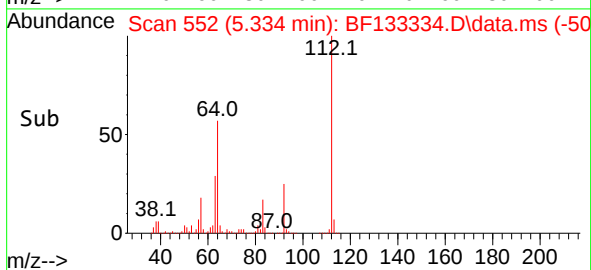
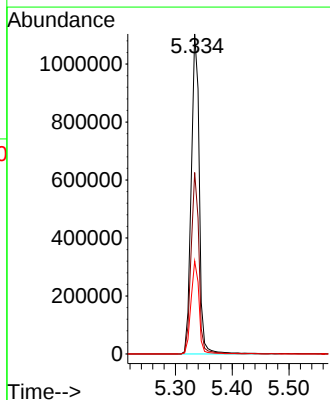
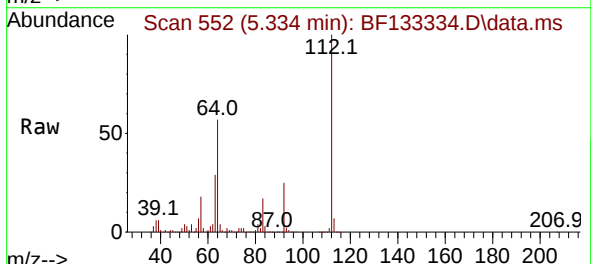
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-X01\_10-12\_20230509

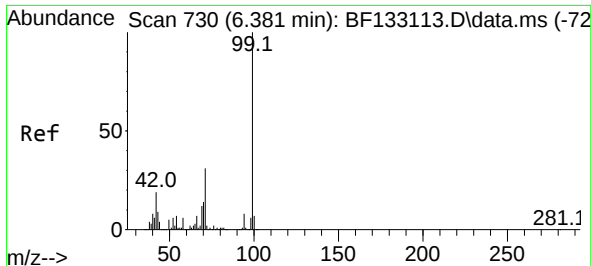
Tgt Ion:152 Resp: 208378  
 Ion Ratio Lower Upper  
 152 100  
 150 153.8 124.8 187.2  
 115 57.4 49.9 74.9



#5  
 2-Fluorophenol  
 Concen: 78.951 ng  
 RT: 5.334 min Scan# 552  
 Delta R.T. 0.006 min  
 Lab File: BF133334.D  
 Acq: 10 May 2023 16:59

Tgt Ion:112 Resp: 1089080  
 Ion Ratio Lower Upper  
 112 100  
 64 56.7 46.8 70.2  
 63 29.1 23.8 35.8

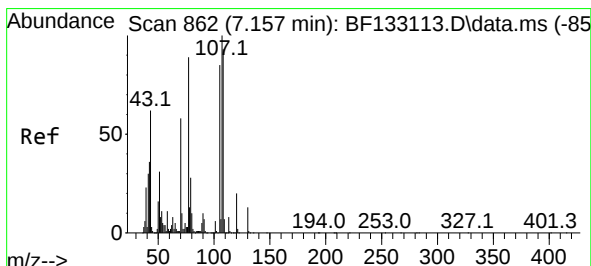
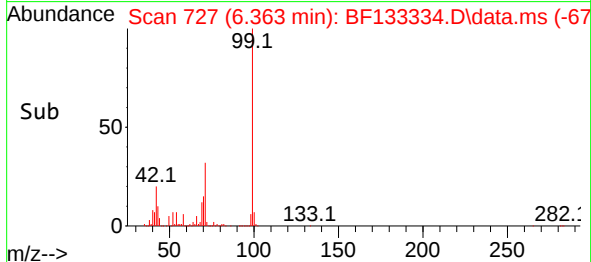
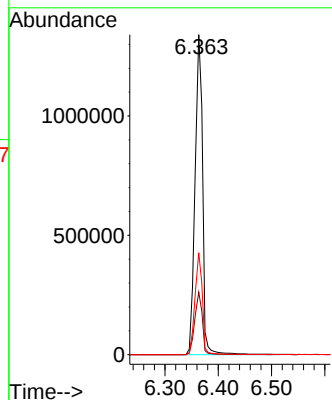
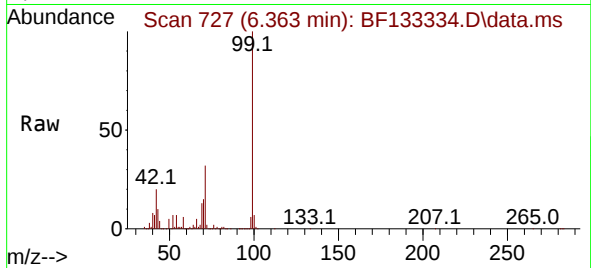




#7  
Phenol-d6  
Concen: 77.347 ng  
RT: 6.363 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF133334.D  
Acq: 10 May 2023 16:59

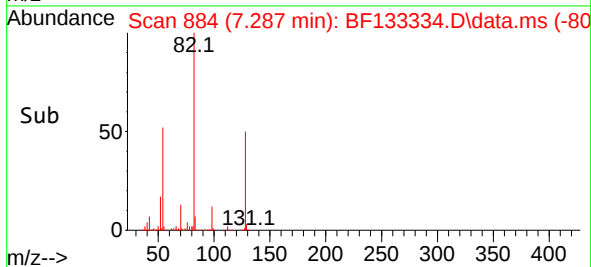
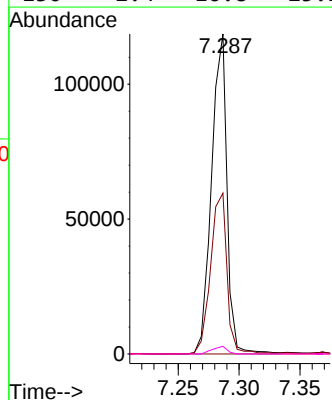
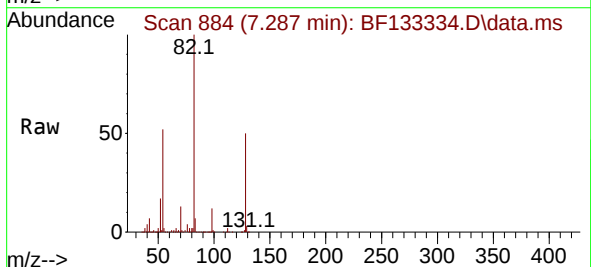
Instrument :  
BNA\_F  
ClientSampleId :  
SB-X01\_10-12\_20230509

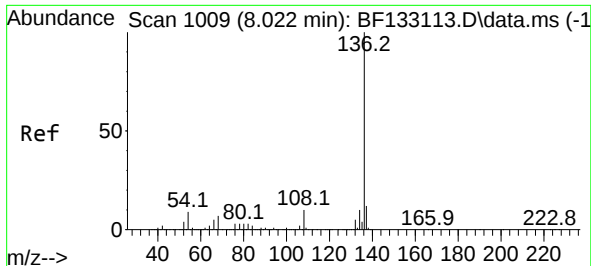
Tgt Ion: 99 Resp: 1324300  
Ion Ratio Lower Upper  
99 100  
42 19.5 16.3 24.5  
71 31.8 25.6 38.4



#19  
n-Nitroso-di-n-propylamine  
Concen: 9.822 ng  
RT: 7.287 min Scan# 884  
Delta R.T. 0.141 min  
Lab File: BF133334.D  
Acq: 10 May 2023 16:59

Tgt Ion: 70 Resp: 104692  
Ion Ratio Lower Upper  
70 100  
42 50.3 51.8 77.6#  
101 0.0 8.0 12.0#  
130 2.4 16.8 25.2#

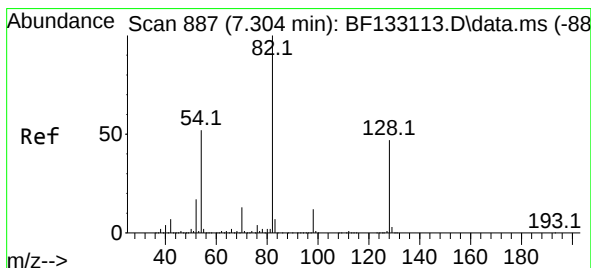
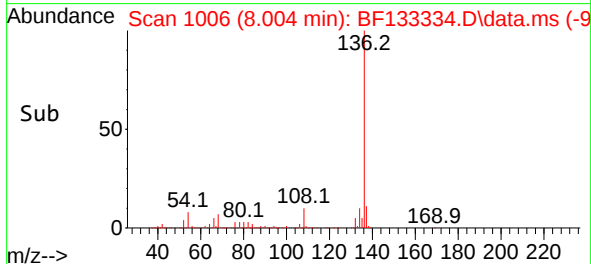
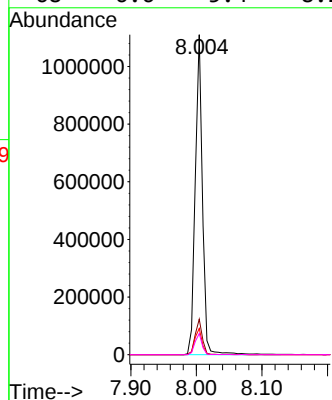
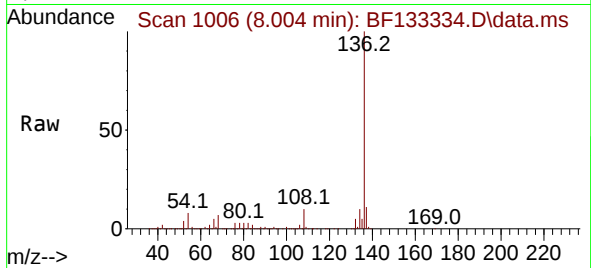




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.004 min Scan# 1006  
Delta R.T. -0.006 min  
Lab File: BF133334.D  
Acq: 10 May 2023 16:59

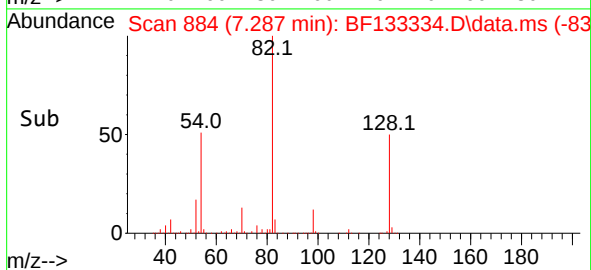
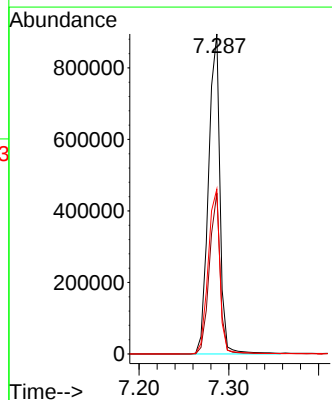
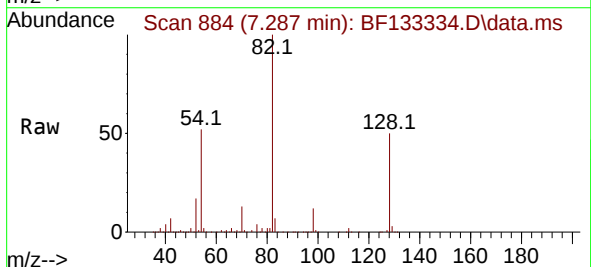
Instrument :  
BNA\_F  
ClientSampleId :  
SB-X01 10-12 20230509

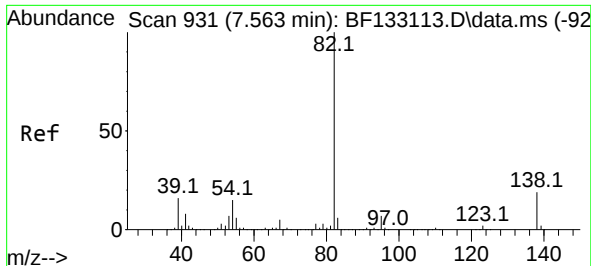
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 848403 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.1  | 8.6   | 13.0   |
| 54       | 8.2   | 7.0   | 10.4   |
| 68       | 6.6   | 5.4   | 8.2    |



#23  
Nitrobenzene-d5  
Concen: 50.581 ng  
RT: 7.287 min Scan# 884  
Delta R.T. -0.006 min  
Lab File: BF133334.D  
Acq: 10 May 2023 16:59

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 795022 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 50.2  | 37.7  | 56.5   |
| 54       | 51.5  | 43.0  | 64.4   |

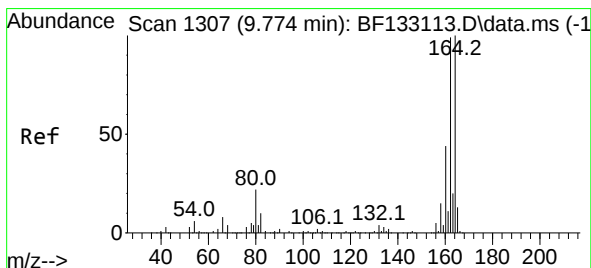
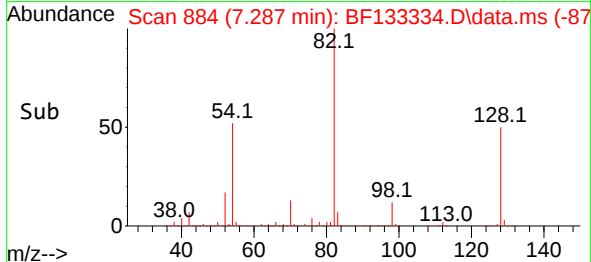
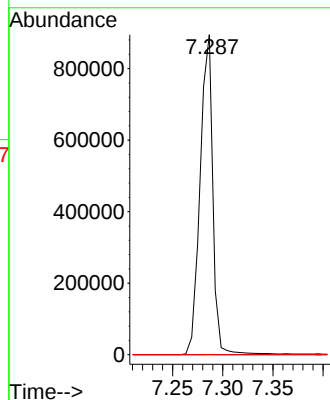
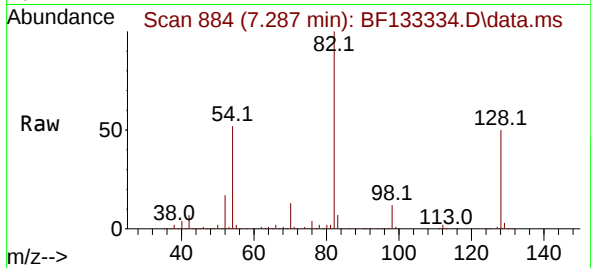




#25  
Isophorone  
Concen: 26.593 ng  
RT: 7.287 min Scan# 81  
Delta R.T. -0.264 min  
Lab File: BF133334.D  
Acq: 10 May 2023 16:59

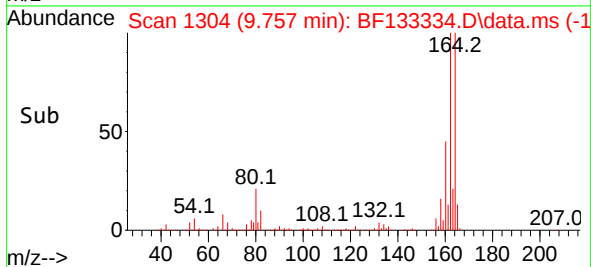
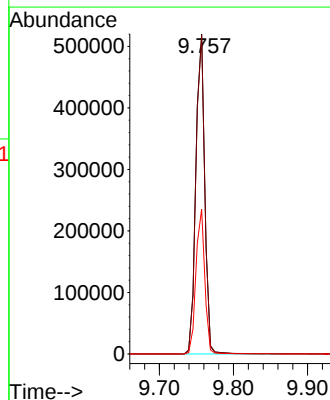
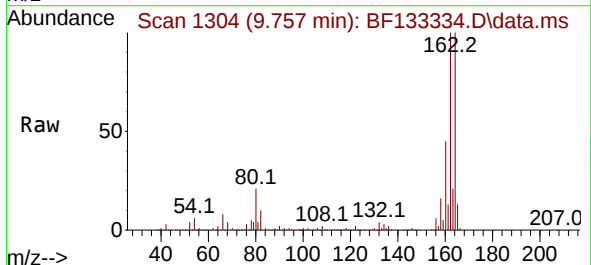
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SB-X01\_10-12\_20230509

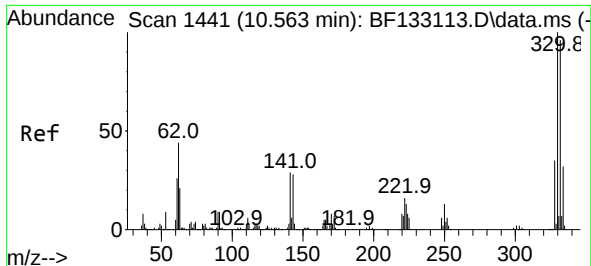
Tgt Ion: 82 Resp: 793610  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.4 8.0#  
138 0.0 16.0 24.0#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.757 min Scan# 1304  
Delta R.T. -0.006 min  
Lab File: BF133334.D  
Acq: 10 May 2023 16:59

Tgt Ion:164 Resp: 433128  
Ion Ratio Lower Upper  
164 100  
162 99.5 78.7 118.1  
160 45.3 35.8 53.6

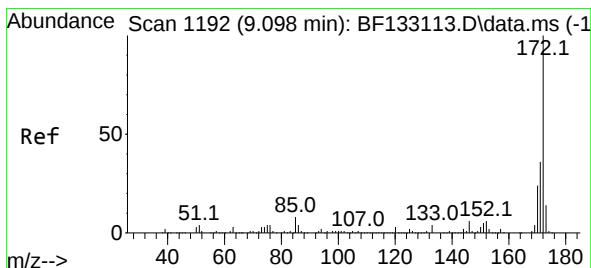
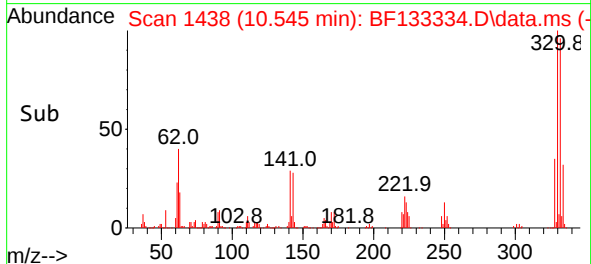
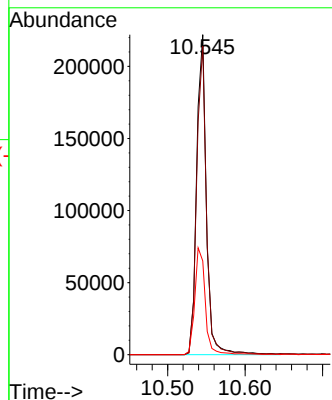
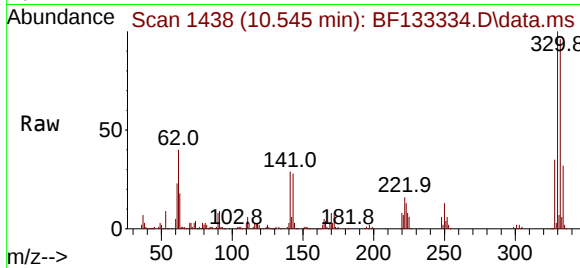




#42  
2,4,6-Tribromophenol  
Concen: 44.582 ng  
RT: 10.545 min Scan# 1441  
Delta R.T. -0.006 min  
Lab File: BF133334.D  
Acq: 10 May 2023 16:59

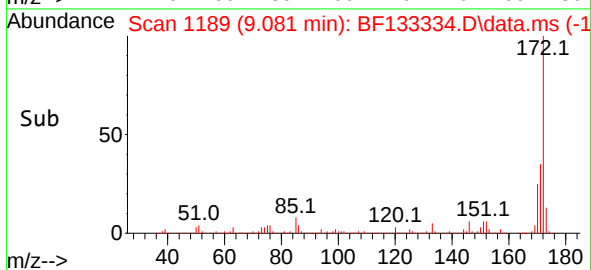
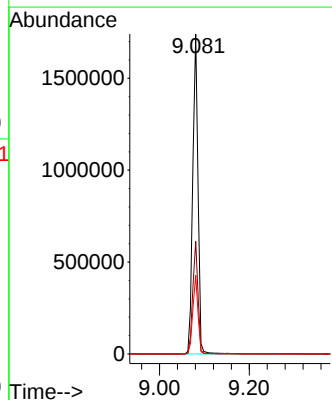
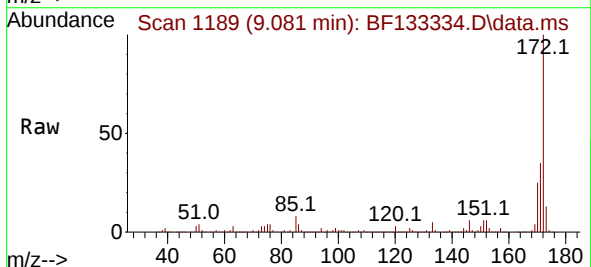
Instrument :  
BNA\_F  
ClientSampleId :  
SB-X01 10-12 20230509

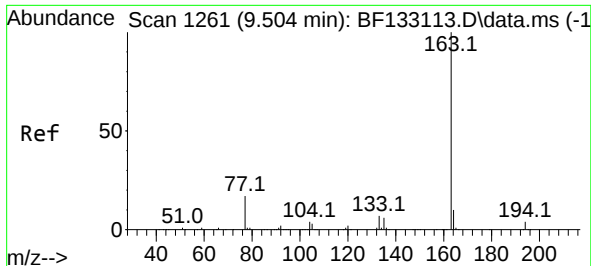
Tgt Ion:330 Resp: 194197  
Ion Ratio Lower Upper  
330 100  
332 96.8 77.1 115.7  
141 36.1 25.8 38.8



#45  
2-Fluorobiphenyl  
Concen: 54.899 ng  
RT: 9.081 min Scan# 1189  
Delta R.T. -0.006 min  
Lab File: BF133334.D  
Acq: 10 May 2023 16:59

Tgt Ion:172 Resp: 1421310  
Ion Ratio Lower Upper  
172 100  
171 35.2 28.8 43.2  
170 24.6 19.4 29.2

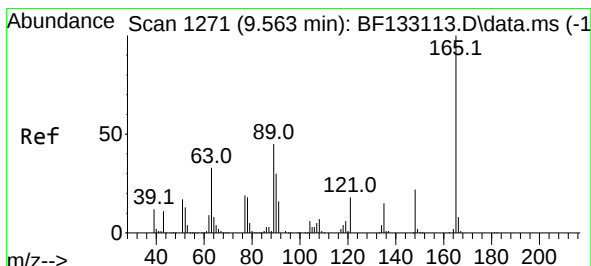
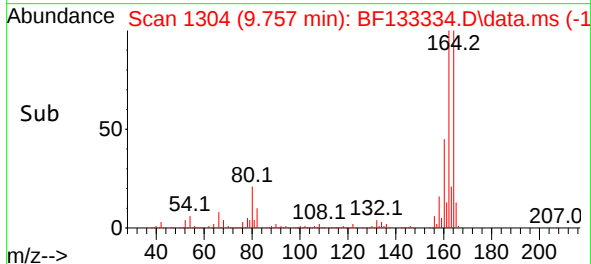
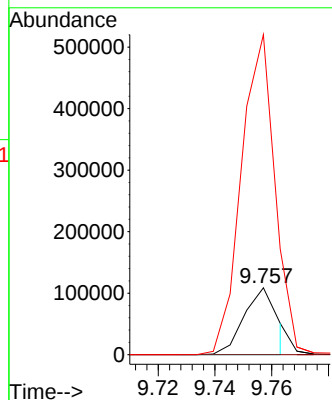
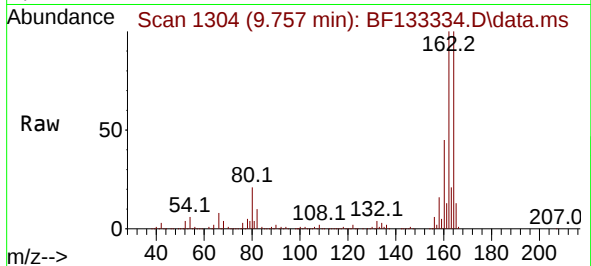




#50  
Dimethylphthalate  
Concen: 2.911 ng  
RT: 9.757 min Scan# 1304  
Delta R.T. 0.265 min  
Lab File: BF133334.D  
Acq: 10 May 2023 16:59

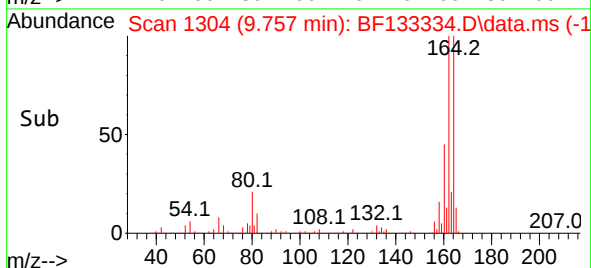
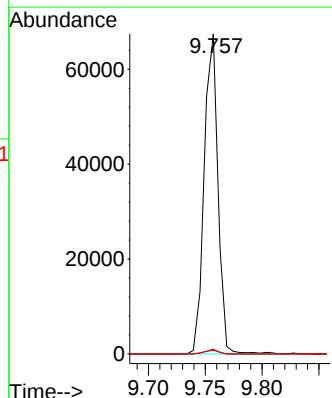
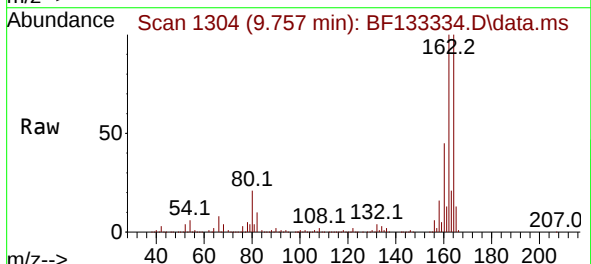
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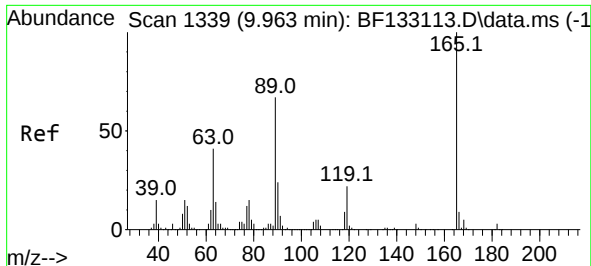
Tgt Ion:163 Resp: 87914  
Ion Ratio Lower Upper  
163 100  
194 0.0 3.1 4.7#  
164 477.8 8.5 12.7#



#51  
2,6-Dinitrotoluene  
Concen: 8.400 ng  
RT: 9.757 min Scan# 1304  
Delta R.T. 0.206 min  
Lab File: BF133334.D  
Acq: 10 May 2023 16:59

Tgt Ion:165 Resp: 57099  
Ion Ratio Lower Upper  
165 100  
63 1.5 45.9 68.9#  
89 1.1 44.0 66.0#

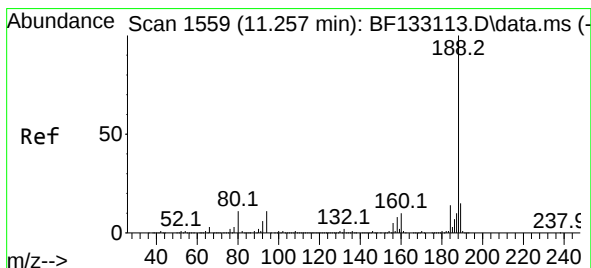
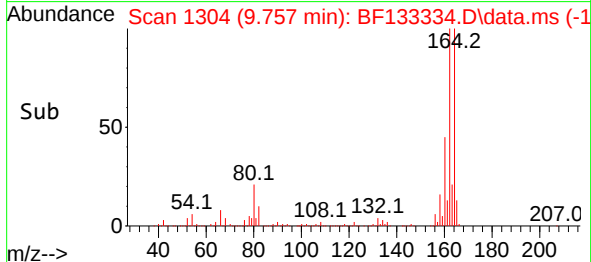
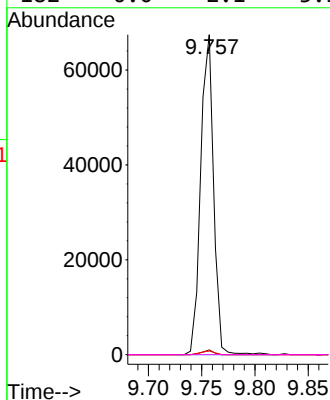
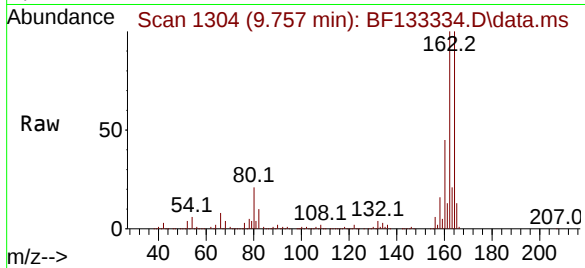




#57  
2,4-Dinitrotoluene  
Concen: 6.587 ng  
RT: 9.757 min Scan# 11  
Delta R.T. -0.200 min  
Lab File: BF133334.D  
Acq: 10 May 2023 16:59

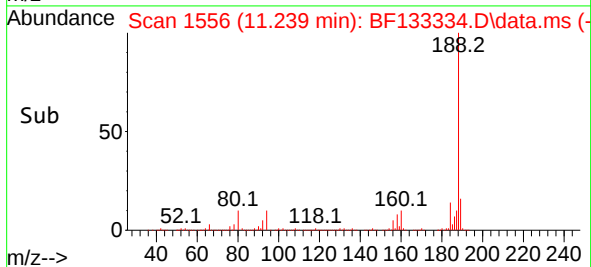
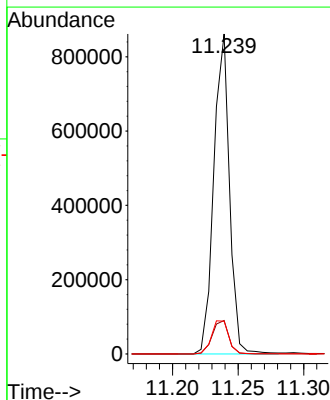
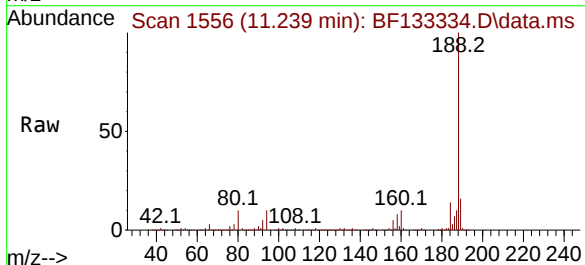
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BNA\_F  
ClientSampleId :  
SB-X01 10-12 20230509

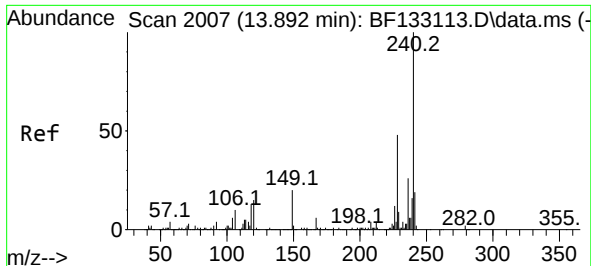
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:165 | Resp: | 57100      |
| Ion Ratio   | Lower | Upper      |
| 165         | 100   |            |
| 63          | 1.5   | 37.7 56.5# |
| 89          | 1.1   | 57.0 85.4# |
| 182         | 0.0   | 2.1 3.1#   |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.239 min Scan# 1556  
Delta R.T. -0.006 min  
Lab File: BF133334.D  
Acq: 10 May 2023 16:59

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:188 | Resp: | 716108     |
| Ion Ratio   | Lower | Upper      |
| 188         | 100   |            |
| 94          | 10.5  | 9.7 14.5   |
| 80          | 10.2  | 10.4 15.6# |

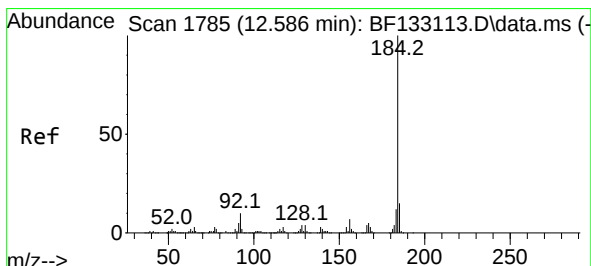
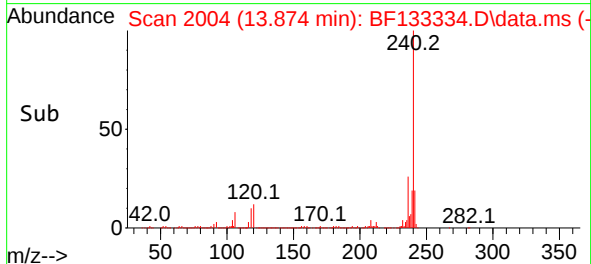
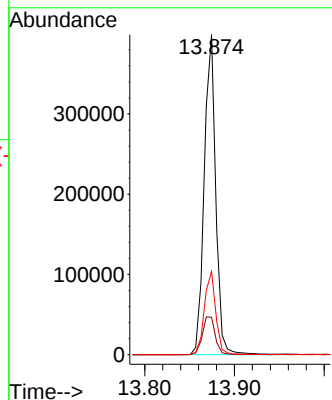
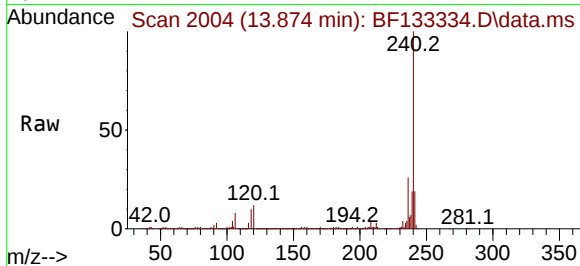




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.874 min Scan# 20  
Delta R.T. -0.006 min  
Lab File: BF133334.D  
Acq: 10 May 2023 16:59

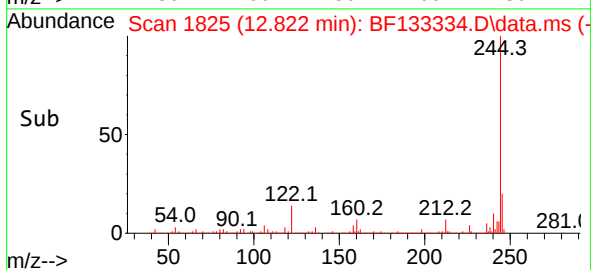
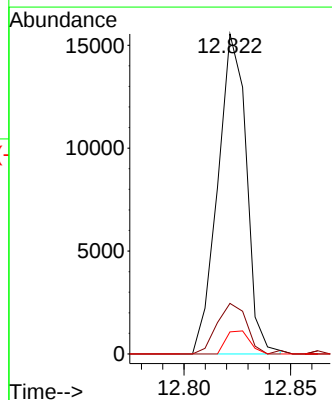
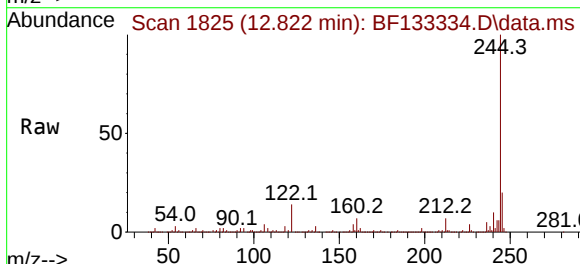
Instrument :  
BNA\_F  
ClientSampleId :  
SB-X01 10-12 20230509

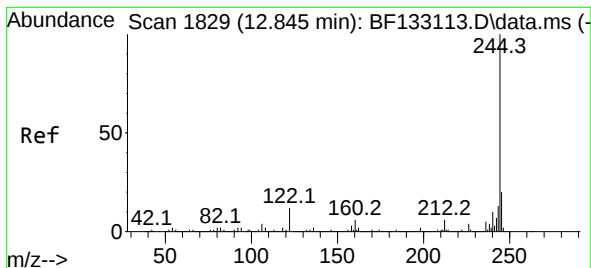
Tgt Ion:240 Resp: 355273  
Ion Ratio Lower Upper  
240 100  
120 11.7 10.5 15.7  
236 26.0 21.5 32.3



#77  
Benzidine  
Concen: 2.416 ng  
RT: 12.822 min Scan# 1825  
Delta R.T. 0.247 min  
Lab File: BF133334.D  
Acq: 10 May 2023 16:59

Tgt Ion:184 Resp: 14514  
Ion Ratio Lower Upper  
184 100  
185 15.8 15.4 23.2  
183 6.9 9.4 14.0#





#79

Terphenyl-d14

Concen: 57.173 ng

RT: 12.822 min Scan# 1825

Delta R.T. -0.012 min

Lab File: BF133334.D

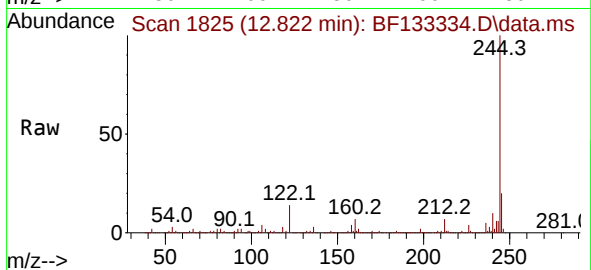
Acq: 10 May 2023 16:59

Instrument :

BNA\_F

ClientSampleId :

SB-X01 10-12 20230509



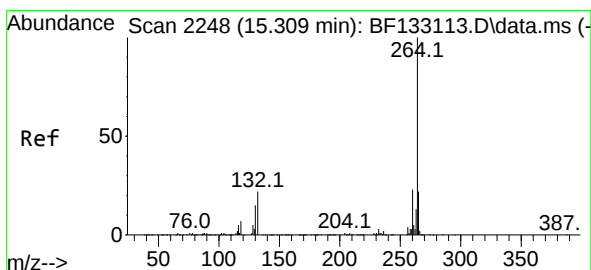
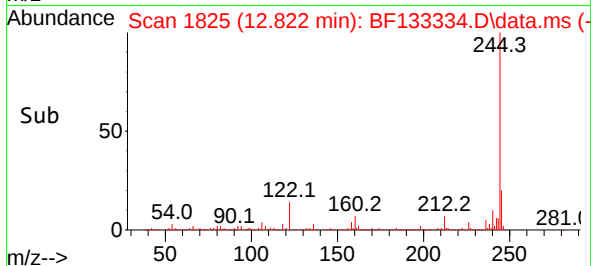
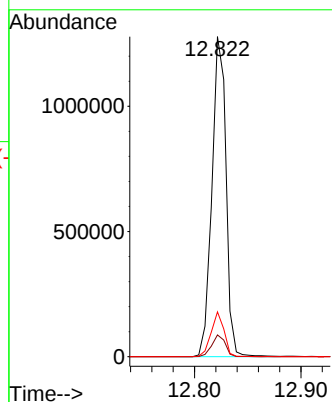
Tgt Ion:244 Resp: 1177733

Ion Ratio Lower Upper

244 100

212 6.8 5.1 7.7

122 14.0 8.6 13.0#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.292 min Scan# 2245

Delta R.T. 0.000 min

Lab File: BF133334.D

Acq: 10 May 2023 16:59

Tgt Ion:264 Resp: 474469

Ion Ratio Lower Upper

264 100

260 23.8 18.8 28.2

265 22.1 17.0 25.4

