

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF081225\  
 Data File : BF143352.D  
 Acq On : 12 Aug 2025 14:22  
 Operator : RC/JU  
 Sample : PB169189BL  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB169189BL

Quant Time: Aug 12 15:10:52 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF081225.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 12 13:25:39 2025  
 Response via : Initial Calibration

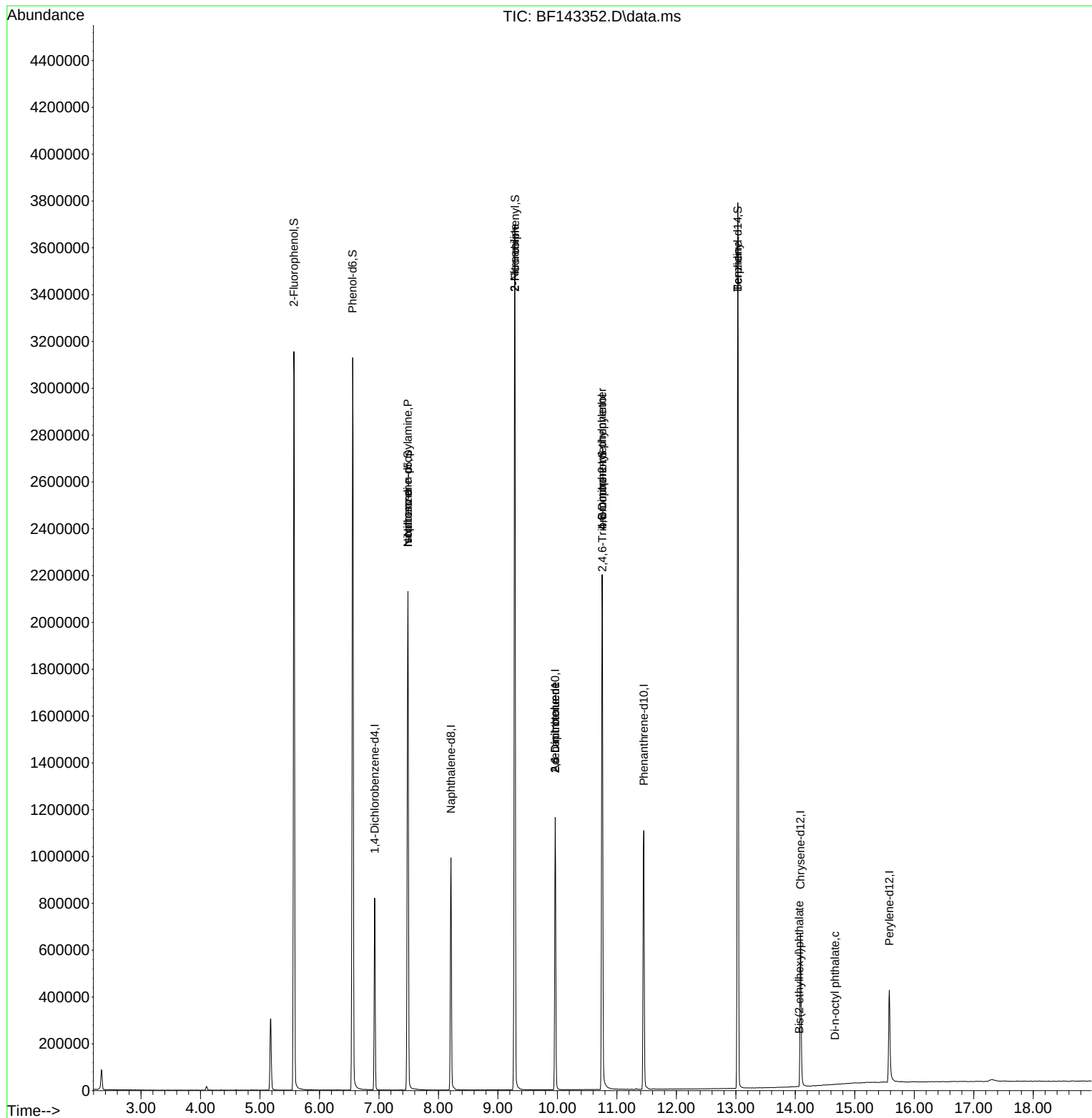
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.928  | 152  | 164595   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.210  | 136  | 636089   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.963  | 164  | 350207   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.451 | 188  | 576646   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.086 | 240  | 343112   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.580 | 264  | 274972   | 20.000  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.569  | 112  | 1191036  | 125.132 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.557  | 99   | 1531883  | 125.503 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.487  | 82   | 975908   | 95.542  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.757 | 330  | 404753   | 158.144 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.286  | 172  | 1748683  | 84.674  | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.033 | 244  | 1875902  | 97.610  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.487  | 70   | 130281   | 17.274  | ng    | # 81     |
| 25) Isophorone                | 7.487  | 82   | 950762   | 45.595  | ng    | # 65     |
| 48) 2-Nitroaniline            | 9.281  | 65   | 3059     | 3.278   | ng    | # 1      |
| 51) 2,6-Dinitrotoluene        | 9.963  | 165  | 45276    | 13.933  | ng    | # 21     |
| 57) 2,4-Dinitrotoluene        | 9.963  | 165  | 45277    | 11.272  | ng    | # 20     |
| 65) 4,6-Dinitro-2-methylph... | 10.751 | 198  | 843      | 7.568   | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.751 | 248  | 26269    | 3.983   | ng    | # 1      |
| 77) Benzidine                 | 13.033 | 184  | 22144    | 2.361   | ng    | # 97     |
| 84) Bis(2-ethylhexyl)phtha... | 14.068 | 149  | 121      | 4.003   | ng    | # 53     |
| 85) Di-n-octyl phthalate      | 14.668 | 149  | 268      | 6.039   | ng    | # 1      |
| -----                         |        |      |          |         |       |          |

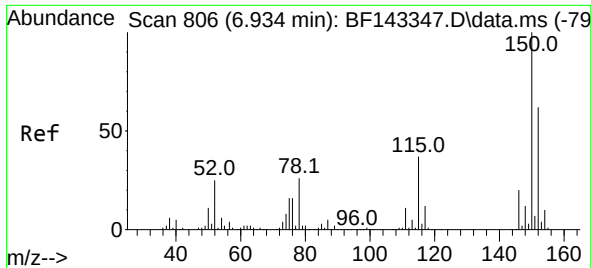
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF081225\  
Data File : BF143352.D  
Acq On : 12 Aug 2025 14:22  
Operator : RC/JU  
Sample : PB169189BL  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PB169189BL

Quant Time: Aug 12 15:10:52 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF081225.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Aug 12 13:25:39 2025  
Response via : Initial Calibration

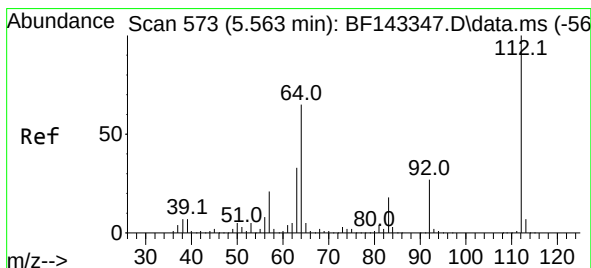
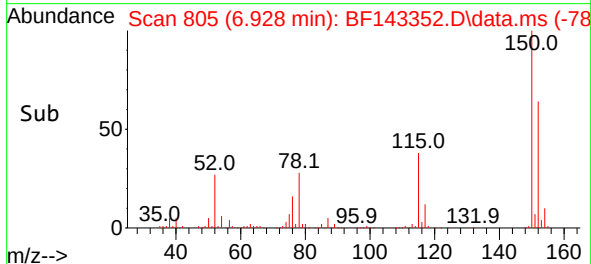
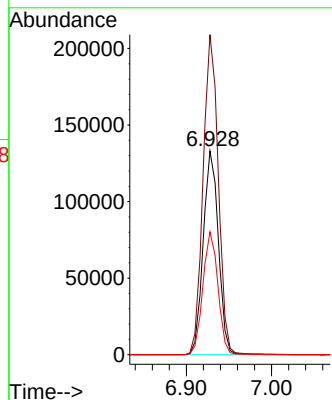
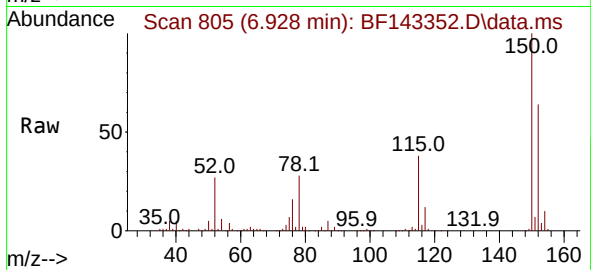




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.928 min Scan# 806  
 Delta R.T. -0.006 min  
 Lab File: BF143352.D  
 Acq: 12 Aug 2025 14:22

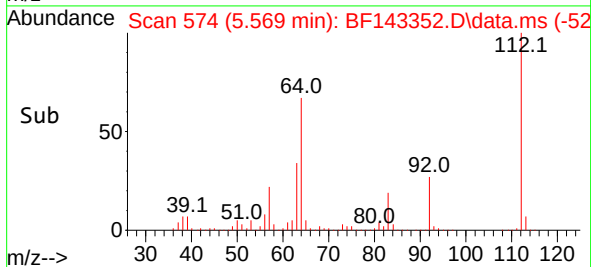
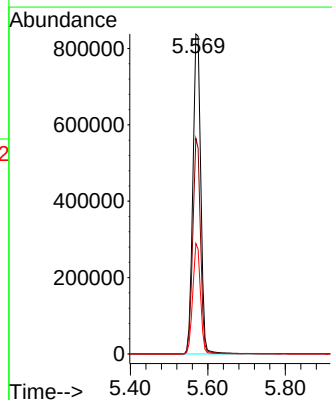
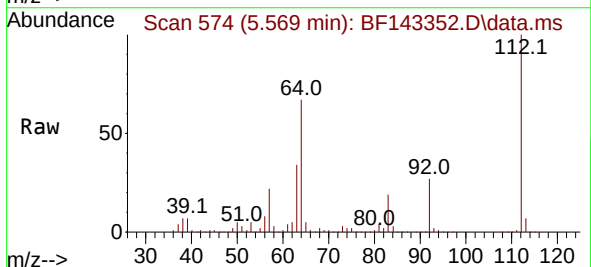
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB169189BL

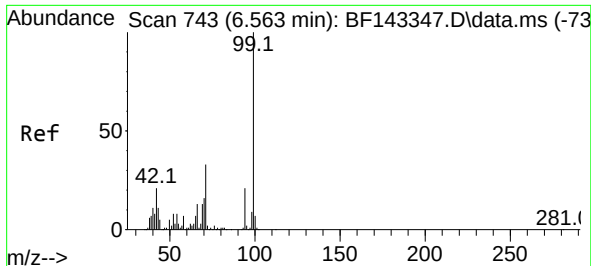
Tgt Ion:152 Resp: 164595  
 Ion Ratio Lower Upper  
 152 100  
 150 157.1 129.8 194.8  
 115 60.3 47.8 71.8



#5  
 2-Fluorophenol  
 Concen: 125.132 ng  
 RT: 5.569 min Scan# 574  
 Delta R.T. 0.006 min  
 Lab File: BF143352.D  
 Acq: 12 Aug 2025 14:22

Tgt Ion:112 Resp: 1191036  
 Ion Ratio Lower Upper  
 112 100  
 64 67.3 52.1 78.1  
 63 34.5 26.6 39.8

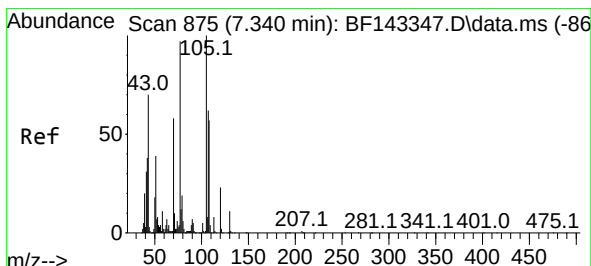
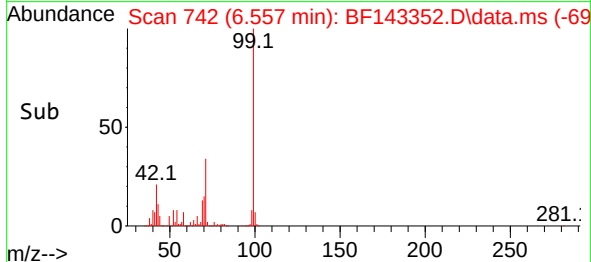
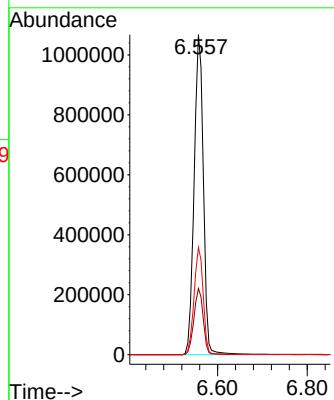
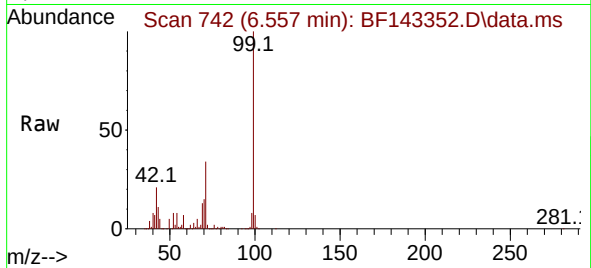




#7  
Phenol-d6  
Concen: 125.503 ng  
RT: 6.557 min Scan# 74  
Delta R.T. -0.006 min  
Lab File: BF143352.D  
Acq: 12 Aug 2025 14:22

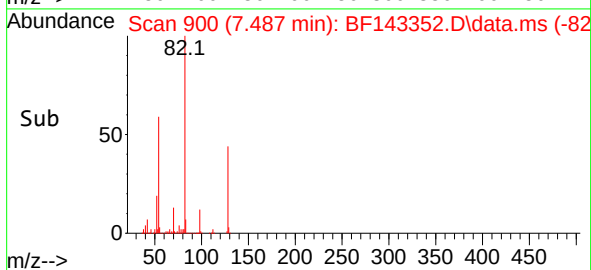
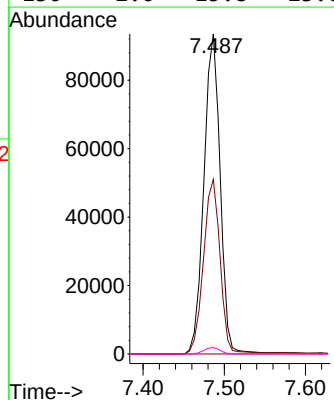
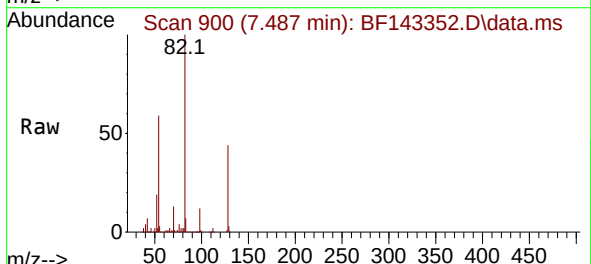
Instrument :  
BNA\_F  
ClientSampleId :  
PB169189BL

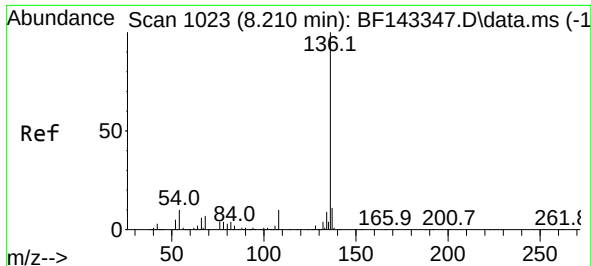
Tgt Ion: 99 Resp: 1531883  
Ion Ratio Lower Upper  
99 100  
42 20.7 16.6 25.0  
71 33.5 26.2 39.2



#19  
n-Nitroso-di-n-propylamine  
Concen: 17.274 ng  
RT: 7.487 min Scan# 900  
Delta R.T. 0.147 min  
Lab File: BF143352.D  
Acq: 12 Aug 2025 14:22

Tgt Ion: 70 Resp: 130281  
Ion Ratio Lower Upper  
70 100  
42 54.6 51.6 77.4  
101 0.0 7.5 11.3#  
130 2.0 15.8 23.6#

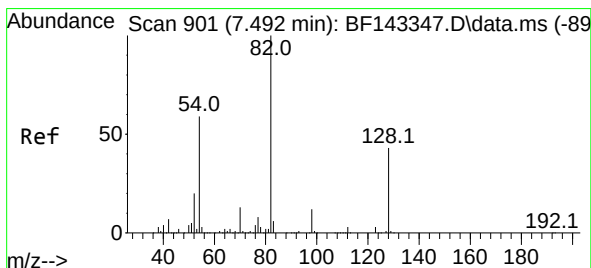
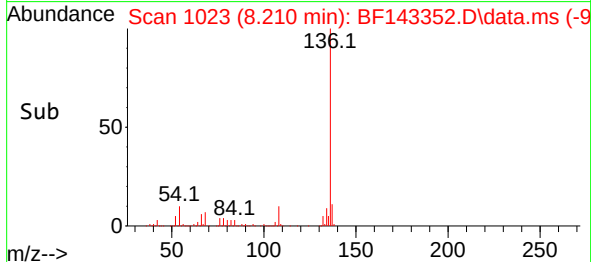
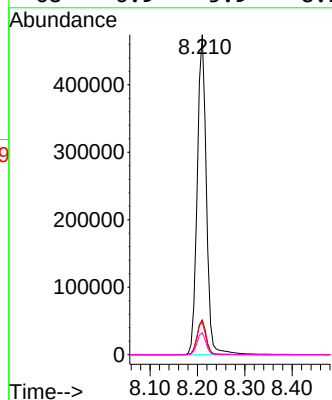
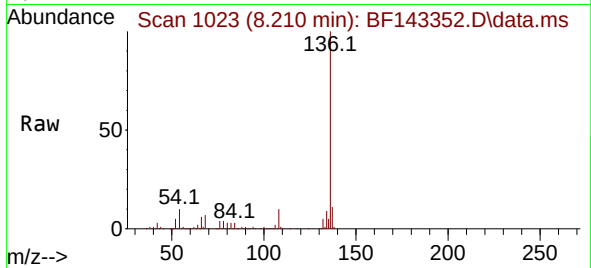




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.210 min Scan# 1023  
Delta R.T. 0.000 min  
Lab File: BF143352.D  
Acq: 12 Aug 2025 14:22

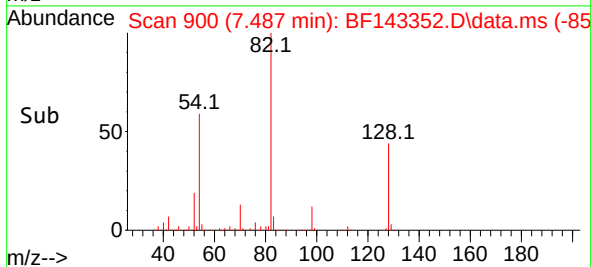
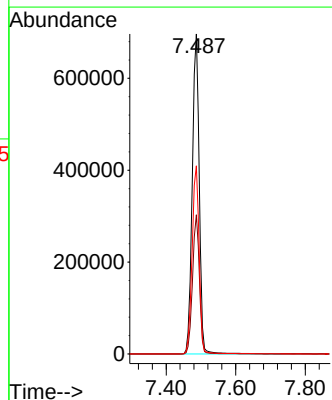
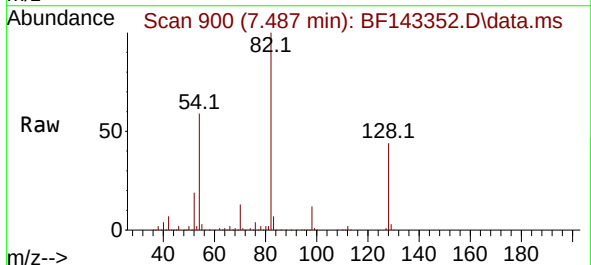
Instrument :  
BNA\_F  
ClientSampleId :  
PB169189BL

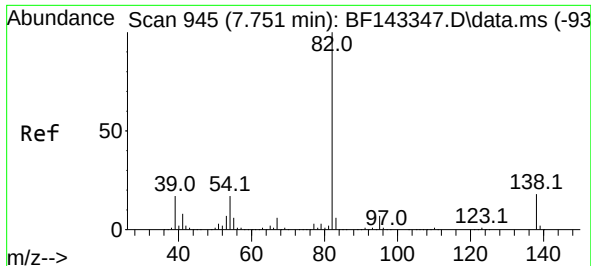
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 636089 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.9  | 8.6   | 13.0   |
| 54       | 10.2  | 8.4   | 12.6   |
| 68       | 6.9   | 5.9   | 8.9    |



#23  
Nitrobenzene-d5  
Concen: 95.542 ng  
RT: 7.487 min Scan# 900  
Delta R.T. -0.006 min  
Lab File: BF143352.D  
Acq: 12 Aug 2025 14:22

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 975908 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 43.5  | 33.5  | 50.3   |
| 54       | 58.8  | 46.7  | 70.1   |

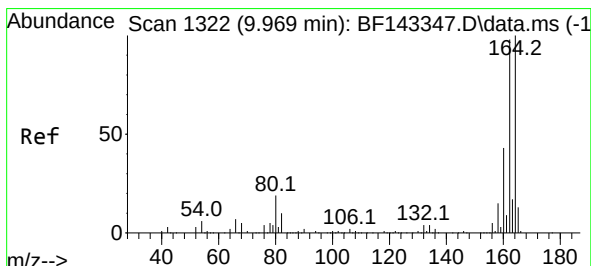
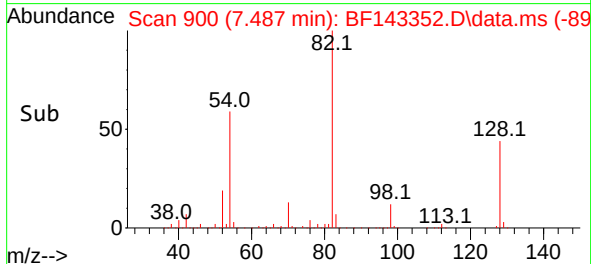
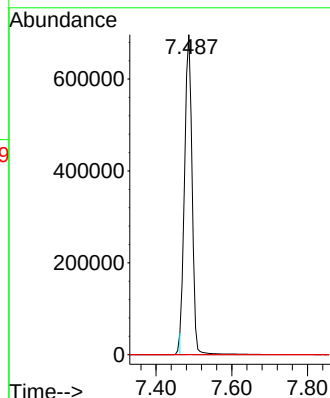
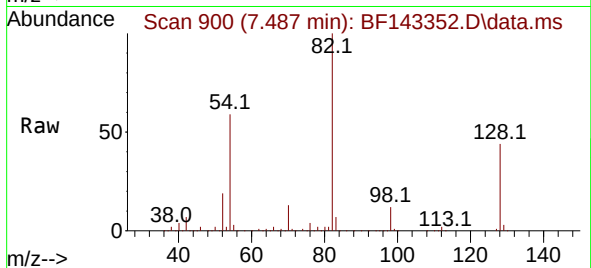




#25  
Isophorone  
Concen: 45.595 ng  
RT: 7.487 min Scan# 900  
Delta R.T. -0.265 min  
Lab File: BF143352.D  
Acq: 12 Aug 2025 14:22

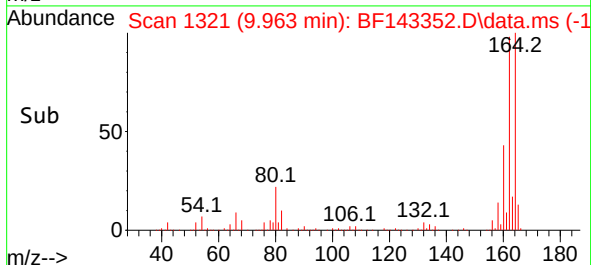
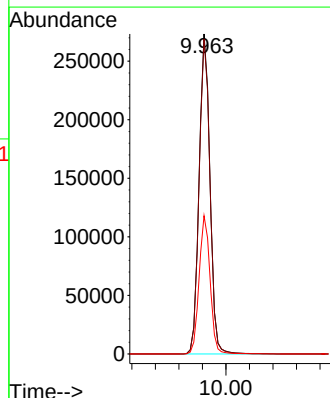
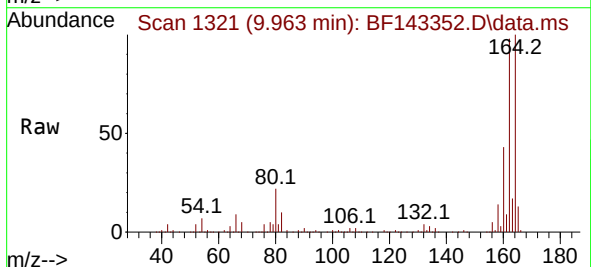
Instrument :  
BNA\_F  
ClientSampleId :  
PB169189BL

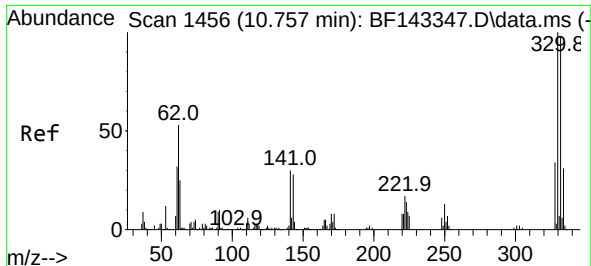
Tgt Ion: 82 Resp: 950762  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.5 8.3#  
138 0.0 14.6 21.8#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.963 min Scan# 1321  
Delta R.T. -0.006 min  
Lab File: BF143352.D  
Acq: 12 Aug 2025 14:22

Tgt Ion:164 Resp: 350207  
Ion Ratio Lower Upper  
164 100  
162 98.5 78.6 118.0  
160 43.2 34.4 51.6





#42

2,4,6-Tribromophenol

Concen: 158.144 ng

RT: 10.757 min Scan# 1456

Delta R.T. -0.000 min

Lab File: BF143352.D

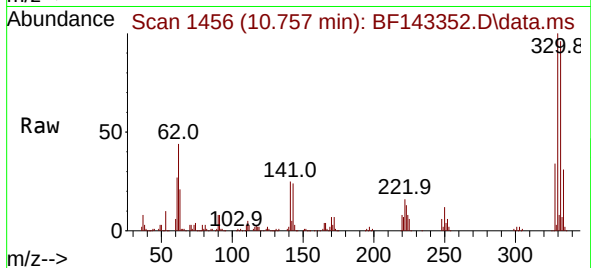
Acq: 12 Aug 2025 14:22

Instrument :

BNA\_F

ClientSampleId :

PB169189BL



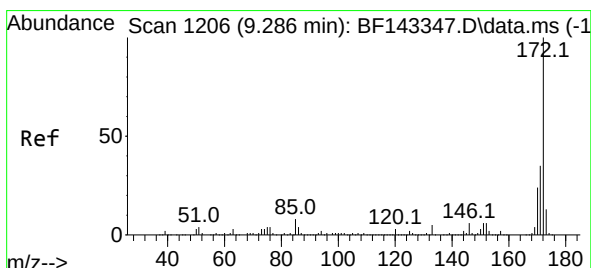
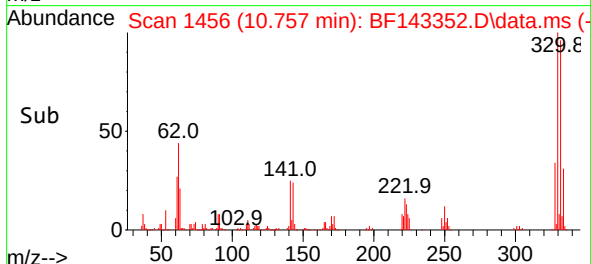
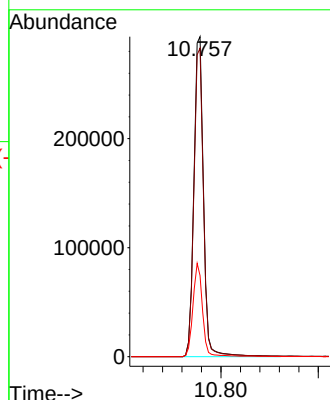
Tgt Ion:330 Resp: 404753

Ion Ratio Lower Upper

330 100

332 96.6 78.1 117.1

141 29.2 25.4 38.0



#45

2-Fluorobiphenyl

Concen: 84.674 ng

RT: 9.286 min Scan# 1206

Delta R.T. -0.000 min

Lab File: BF143352.D

Acq: 12 Aug 2025 14:22

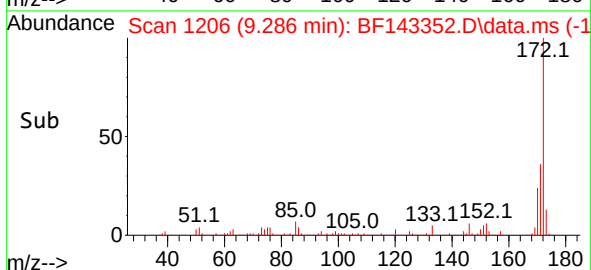
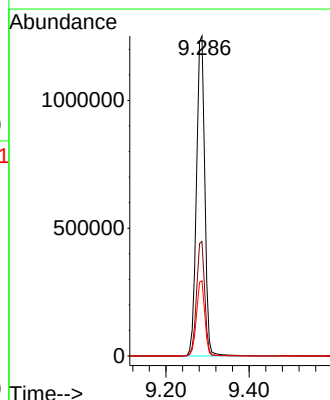
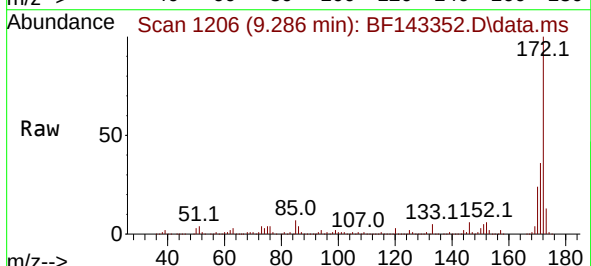
Tgt Ion:172 Resp: 1748683

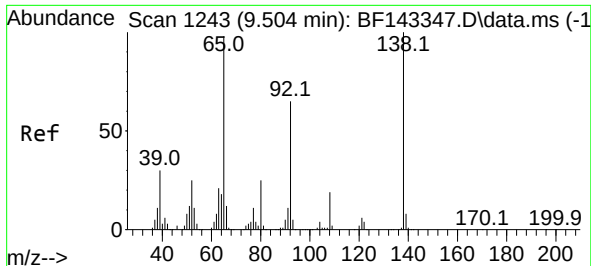
Ion Ratio Lower Upper

172 100

171 35.8 28.4 42.6

170 23.5 19.1 28.7





#48

2-Nitroaniline

Concen: 3.278 ng

RT: 9.281 min Scan# 11

Delta R.T. -0.223 min

Lab File: BF143352.D

Acq: 12 Aug 2025 14:22

Instrument :

BNA\_F

ClientSampleId :

PB169189BL

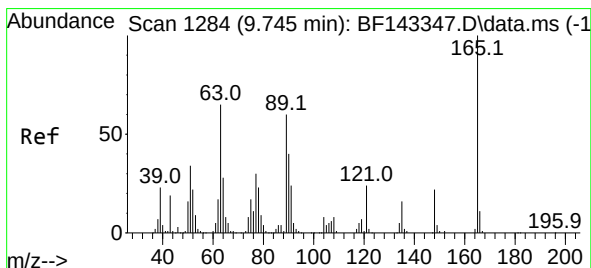
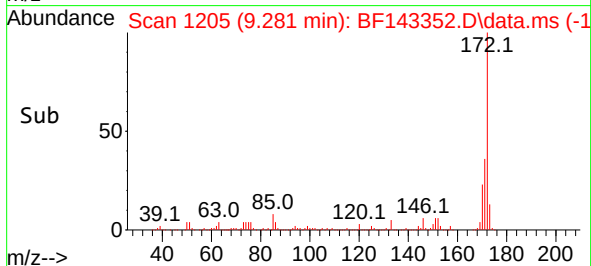
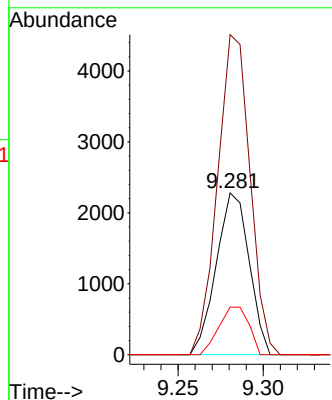
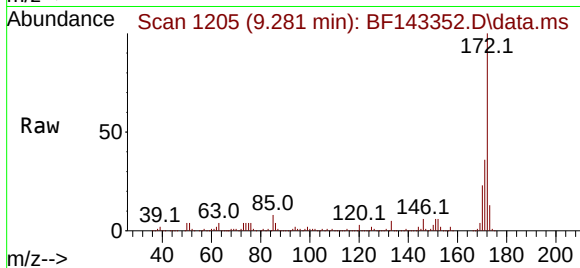
Tgt Ion: 65 Resp: 3059

Ion Ratio Lower Upper

65 100

92 197.8 53.1 79.7#

138 29.4 81.4 122.0#



#51

2,6-Dinitrotoluene

Concen: 13.933 ng

RT: 9.963 min Scan# 1321

Delta R.T. 0.218 min

Lab File: BF143352.D

Acq: 12 Aug 2025 14:22

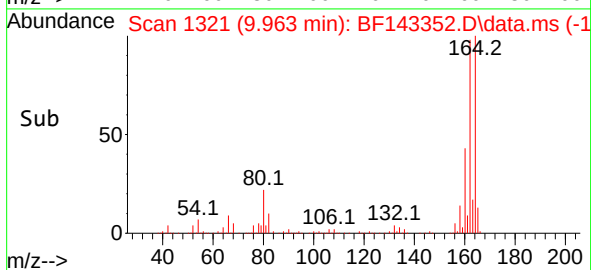
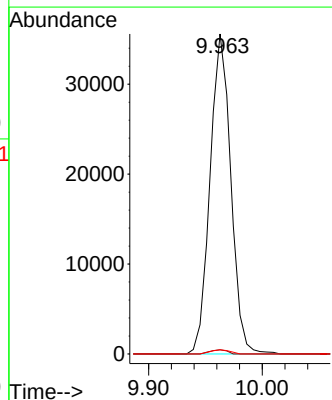
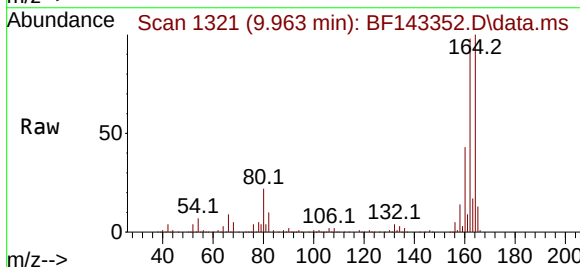
Tgt Ion:165 Resp: 45276

Ion Ratio Lower Upper

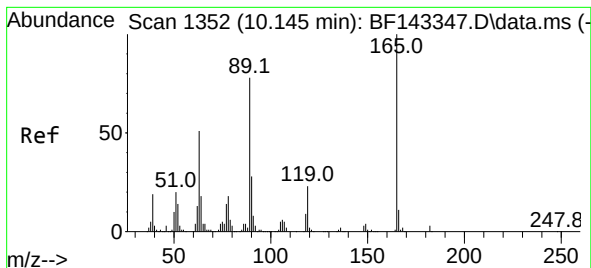
165 100

63 1.3 51.6 77.4#

89 1.3 47.7 71.5#



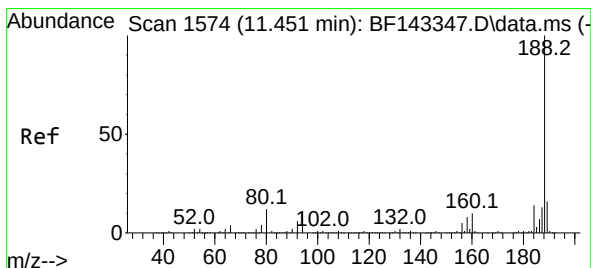
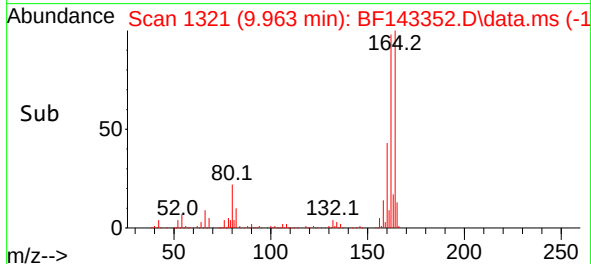
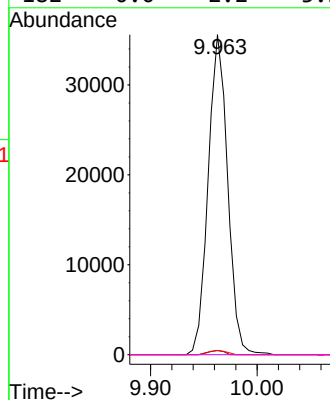
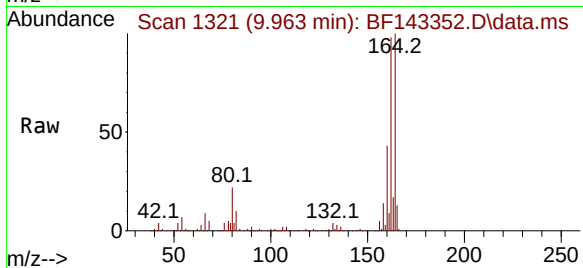




#57  
2,4-Dinitrotoluene  
Concen: 11.272 ng  
RT: 9.963 min Scan# 11  
Delta R.T. -0.182 min  
Lab File: BF143352.D  
Acq: 12 Aug 2025 14:22

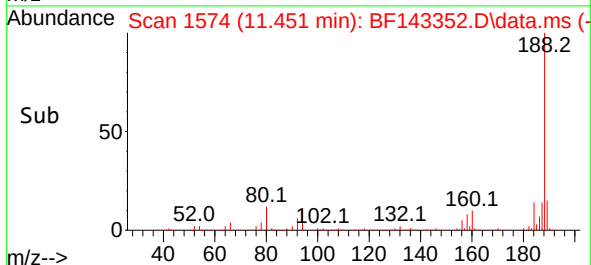
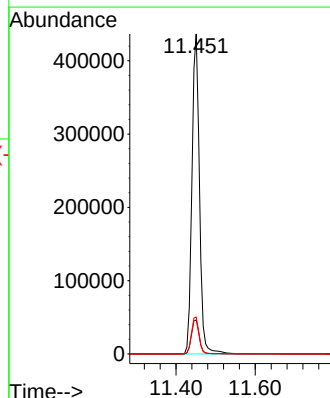
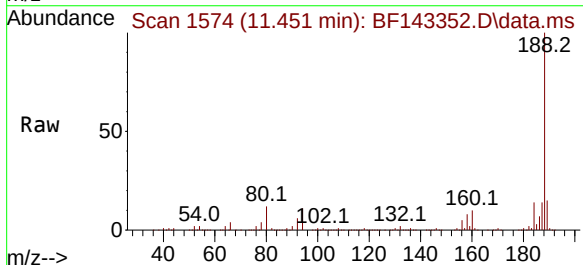
Instrument :  
BNA\_F  
ClientSampleId :  
PB169189BL

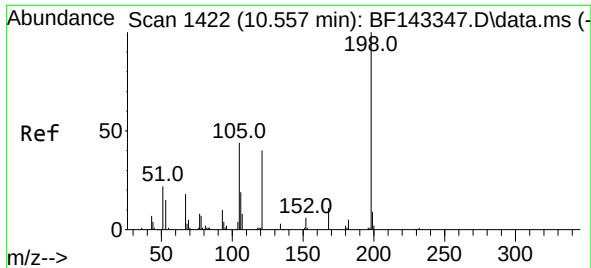
Tgt Ion:165 Resp: 45277  
Ion Ratio Lower Upper  
165 100  
63 1.3 41.8 62.8#  
89 1.3 62.4 93.6#  
182 0.0 2.2 3.2#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.451 min Scan# 1574  
Delta R.T. -0.000 min  
Lab File: BF143352.D  
Acq: 12 Aug 2025 14:22

Tgt Ion:188 Resp: 576646  
Ion Ratio Lower Upper  
188 100  
94 10.6 8.8 13.2  
80 11.6 9.7 14.5

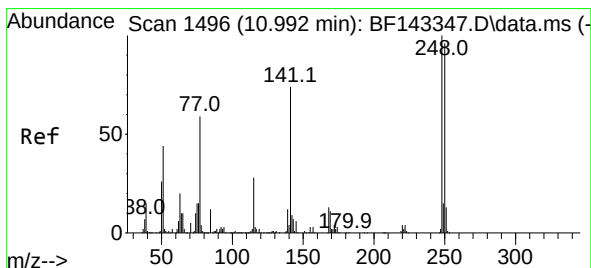
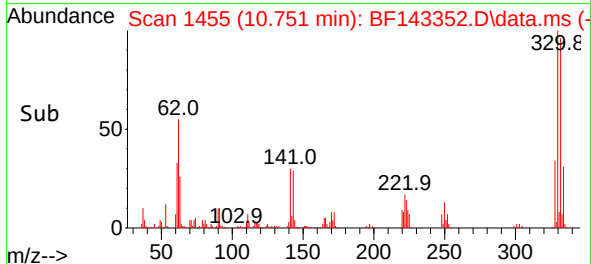
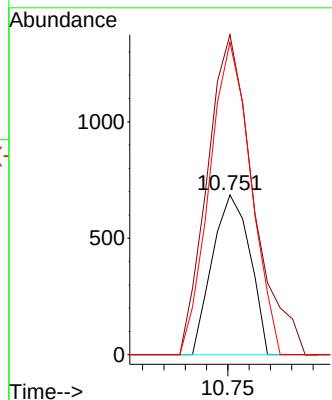
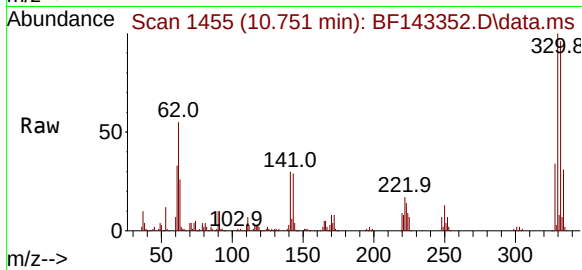




#65  
4,6-Dinitro-2-methylphenol  
Concen: 7.568 ng  
RT: 10.751 min Scan# 1422  
Delta R.T. 0.194 min  
Lab File: BF143352.D  
Acq: 12 Aug 2025 14:22

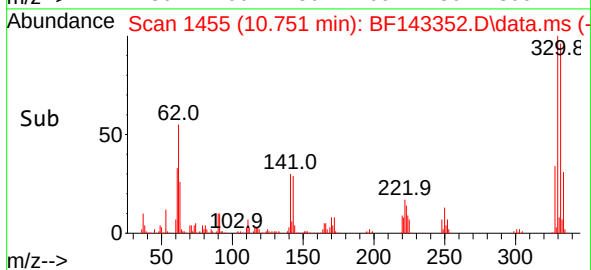
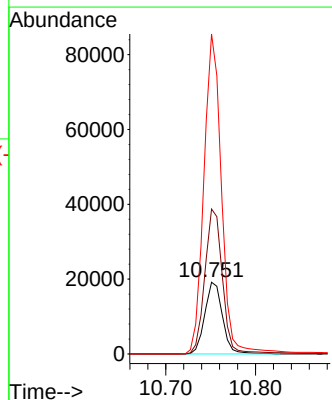
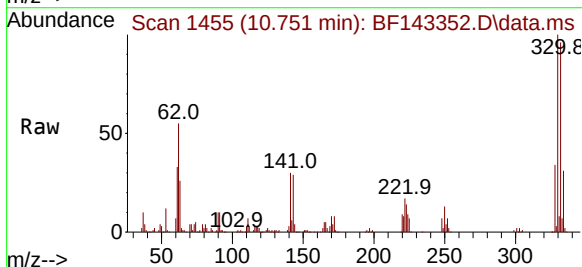
Instrument :  
BNA\_F  
ClientSampleId :  
PB169189BL

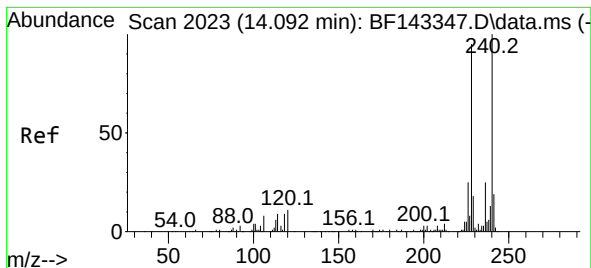
Tgt Ion:198 Resp: 843  
Ion Ratio Lower Upper  
198 100  
51 200.3 41.7 81.7#  
105 195.5 26.8 66.8#



#67  
4-Bromophenyl-phenylether  
Concen: 3.983 ng  
RT: 10.751 min Scan# 1455  
Delta R.T. -0.241 min  
Lab File: BF143352.D  
Acq: 12 Aug 2025 14:22

Tgt Ion:248 Resp: 26269  
Ion Ratio Lower Upper  
248 100  
250 202.2 77.1 115.7#  
141 446.4 59.1 88.7#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.086 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF143352.D

Acq: 12 Aug 2025 14:22

Instrument :

BNA\_F

ClientSampleId :

PB169189BL

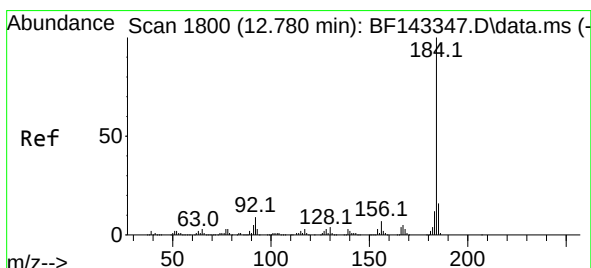
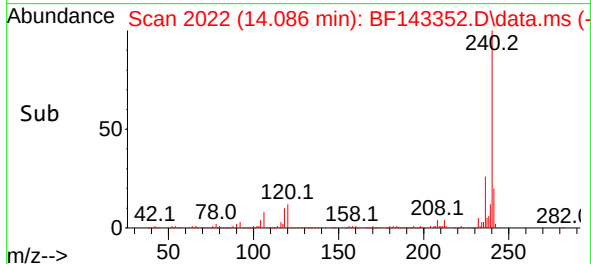
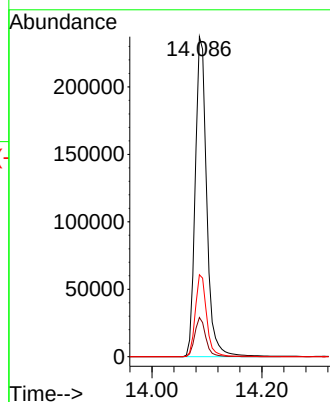
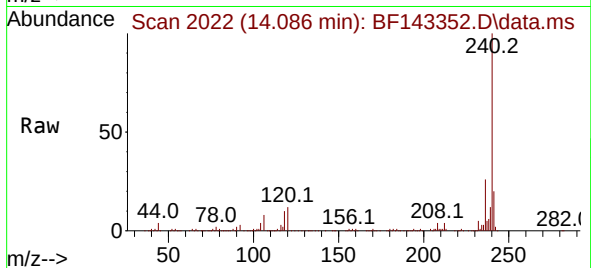
Tgt Ion:240 Resp: 343112

Ion Ratio Lower Upper

240 100

120 12.3 9.0 13.6

236 25.6 19.9 29.9



#77

Benzidine

Concen: 2.361 ng

RT: 13.033 min Scan# 1843

Delta R.T. 0.253 min

Lab File: BF143352.D

Acq: 12 Aug 2025 14:22

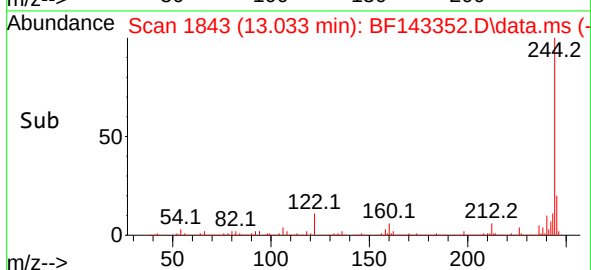
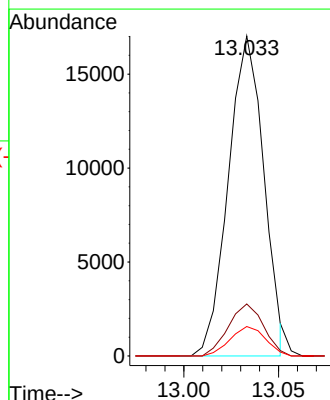
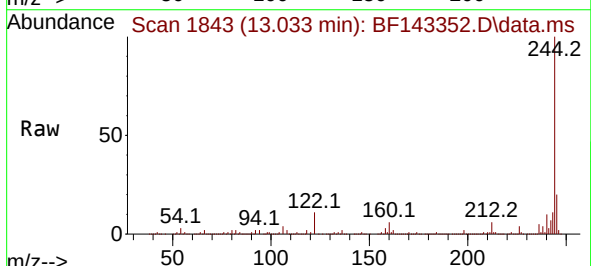
Tgt Ion:184 Resp: 22144

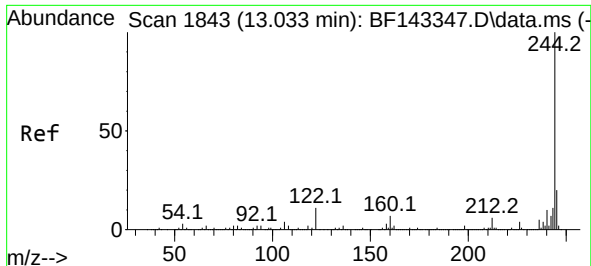
Ion Ratio Lower Upper

184 100

185 16.3 12.8 19.2

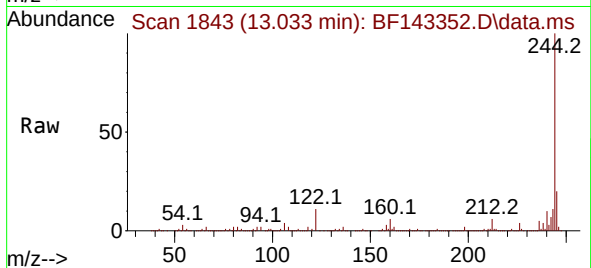
183 9.2 9.3 13.9#





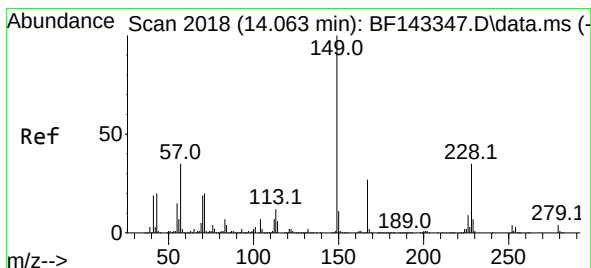
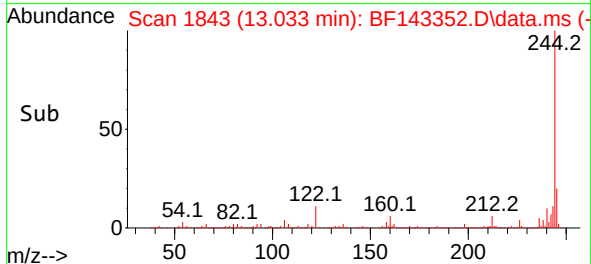
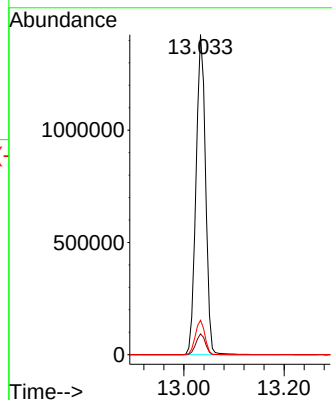
#79  
 Terphenyl-d14  
 Concen: 97.610 ng  
 RT: 13.033 min Scan# 1843  
 Delta R.T. -0.000 min  
 Lab File: BF143352.D  
 Acq: 12 Aug 2025 14:22

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB169189BL



Tgt Ion:244 Resp: 1875902  

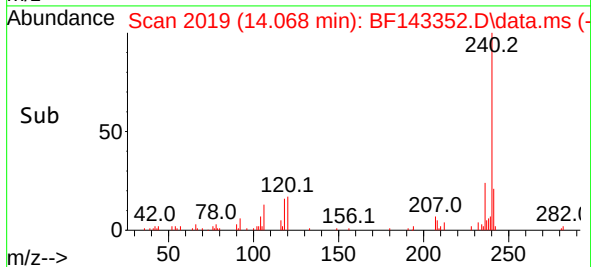
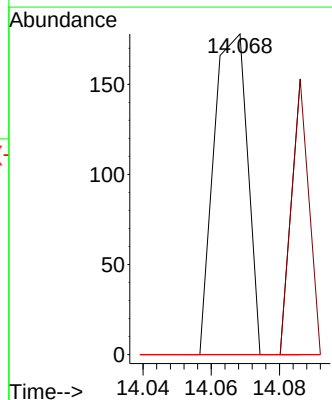
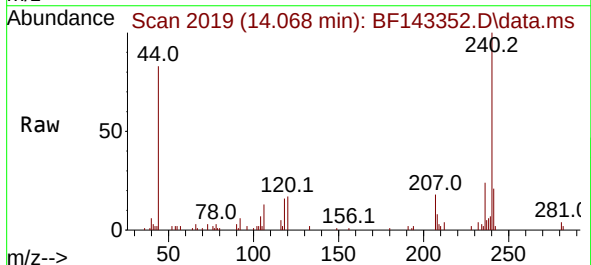
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 6.5   | 5.1   | 7.7   |
| 122 | 10.7  | 8.9   | 13.3  |

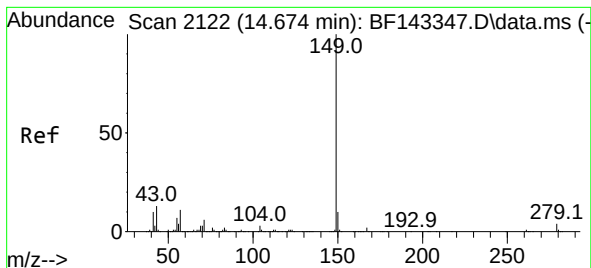


#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 4.003 ng  
 RT: 14.068 min Scan# 2019  
 Delta R.T. 0.005 min  
 Lab File: BF143352.D  
 Acq: 12 Aug 2025 14:22

Tgt Ion:149 Resp: 121  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 0.0   | 21.4  | 32.0# |
| 279 | 0.0   | 3.2   | 4.8#  |





#85

Di-n-octyl phthalate

Concen: 6.039 ng

RT: 14.668 min Scan# 2121

Delta R.T. -0.006 min

Lab File: BF143352.D

Acq: 12 Aug 2025 14:22

Instrument :

BNA\_F

ClientSampleId :

PB169189BL

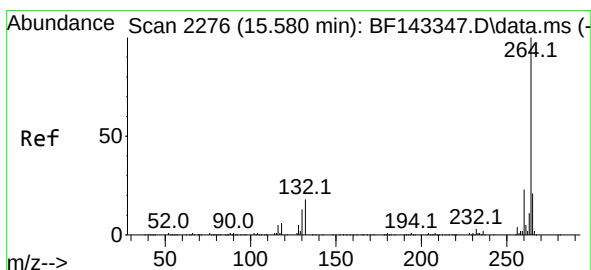
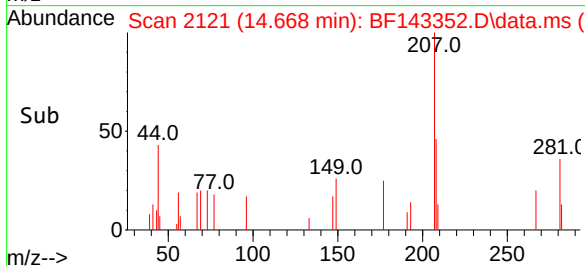
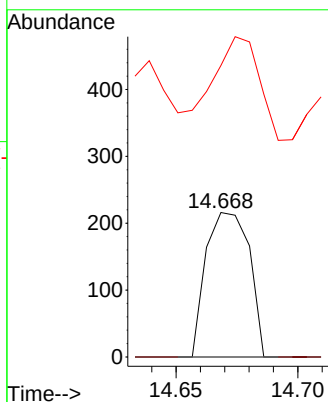
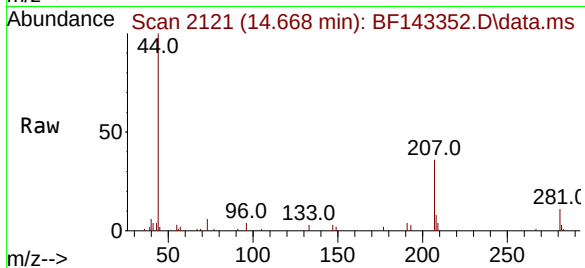
Tgt Ion:149 Resp: 268

Ion Ratio Lower Upper

149 100

167 0.0 1.3 1.9#

43 79.1 10.8 16.2#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.580 min Scan# 2276

Delta R.T. -0.000 min

Lab File: BF143352.D

Acq: 12 Aug 2025 14:22

Tgt Ion:264 Resp: 274972

Ion Ratio Lower Upper

264 100

260 22.8 18.7 28.1

265 22.1 17.2 25.8

