

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF081425\  
 Data File : BF143378.D  
 Acq On : 14 Aug 2025 13:25  
 Operator : RC/JU  
 Sample : PB169223BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB169223BL

Quant Time: Aug 14 13:47:43 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

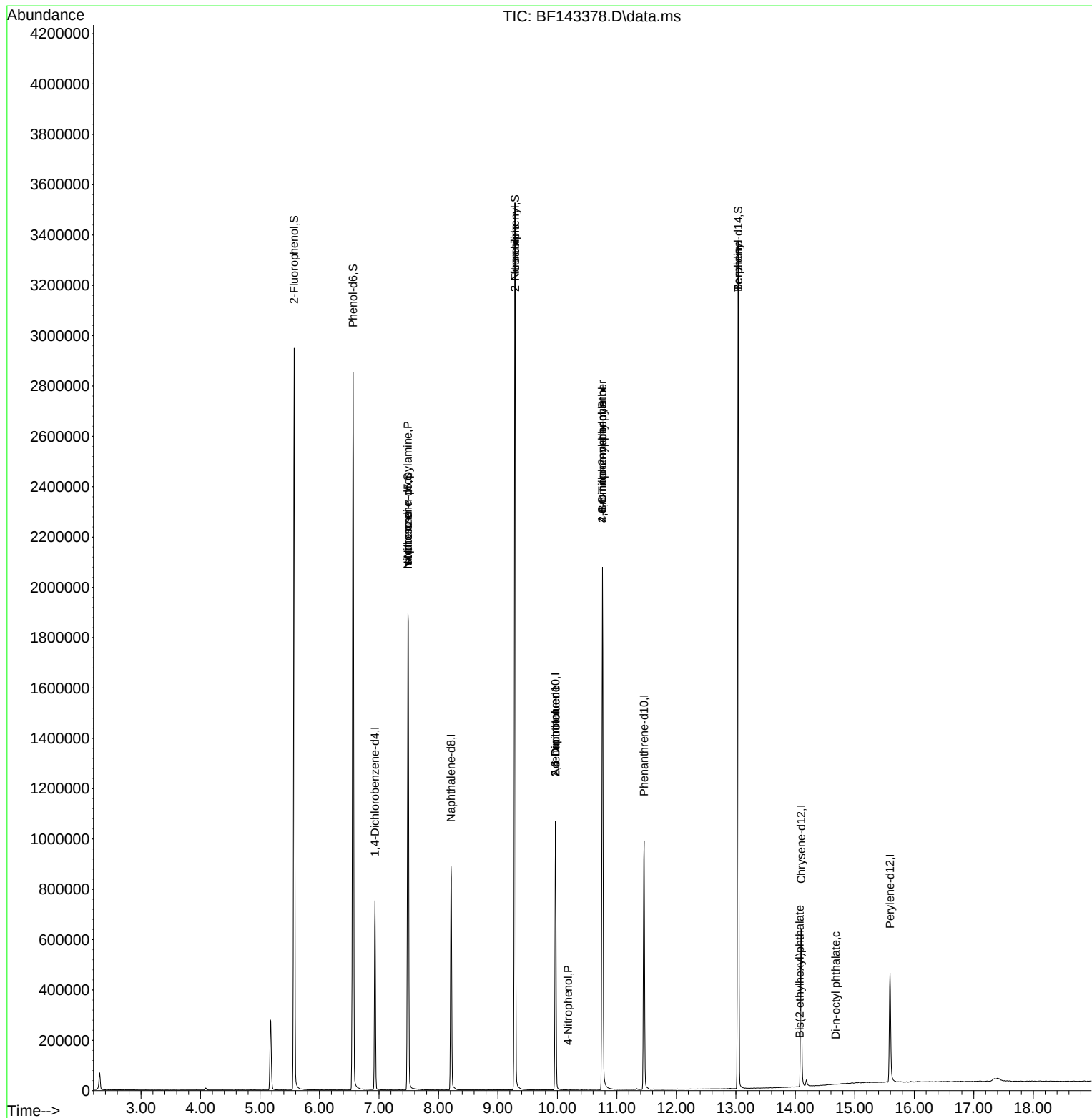
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.934  | 152  | 154726   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.210  | 136  | 596838   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.969  | 164  | 323008   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.457 | 188  | 521634   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.098 | 240  | 333271   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.592 | 264  | 283492   | 20.000  | ng    | 0.01     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.575  | 112  | 1089189  | 121.731 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.563  | 99   | 1377178  | 120.025 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.487  | 82   | 895271   | 93.412  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.757 | 330  | 375791   | 159.192 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.286  | 172  | 1613674  | 84.716  | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.039 | 244  | 1682986  | 90.158  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.487  | 70   | 120243   | 16.960  | ng    | # 80     |
| 25) Isophorone                | 7.487  | 82   | 878582   | 44.905  | ng    | # 65     |
| 48) 2-Nitroaniline            | 9.286  | 65   | 2554     | 3.230   | ng    | # 1      |
| 51) 2,6-Dinitrotoluene        | 9.969  | 165  | 40785    | 13.677  | ng    | # 21     |
| 56) 4-Nitrophenol             | 10.181 | 139  | 54       | 5.493   | ng    | # 5      |
| 57) 2,4-Dinitrotoluene        | 9.969  | 165  | 40785    | 11.079  | ng    | # 19     |
| 65) 4,6-Dinitro-2-methylph... | 10.757 | 198  | 764      | 7.568   | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.757 | 248  | 23915    | 4.009   | ng    | # 1      |
| 77) Benzidine                 | 13.039 | 184  | 19372    | 2.126   | ng    | # 97     |
| 84) Bis(2-ethylhexyl)phtha... | 14.074 | 149  | 109      | 4.002   | ng    | # 53     |
| 85) Di-n-octyl phthalate      | 14.680 | 149  | 224      | 6.037   | ng    | # 1      |
| -----                         |        |      |          |         |       |          |

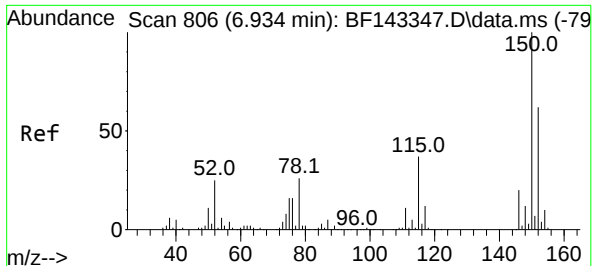
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF081425\  
Data File : BF143378.D  
Acq On : 14 Aug 2025 13:25  
Operator : RC/JU  
Sample : PB169223BL  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PB169223BL

Quant Time: Aug 14 13:47:43 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

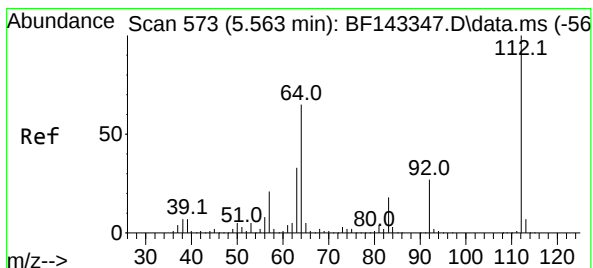
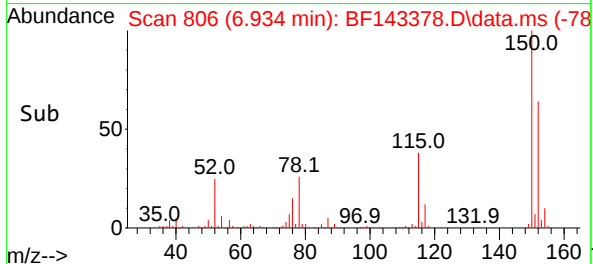
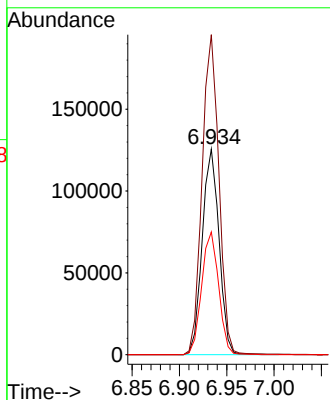
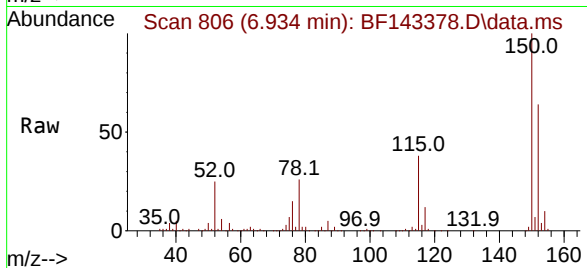




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.934 min Scan# 806  
 Delta R.T. -0.000 min  
 Lab File: BF143378.D  
 Acq: 14 Aug 2025 13:25

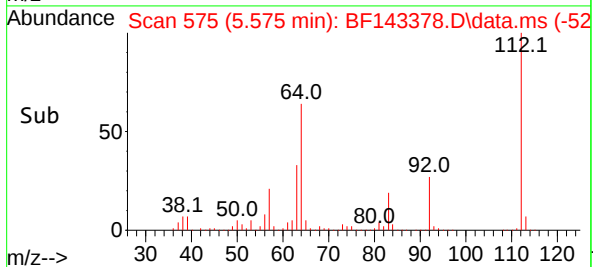
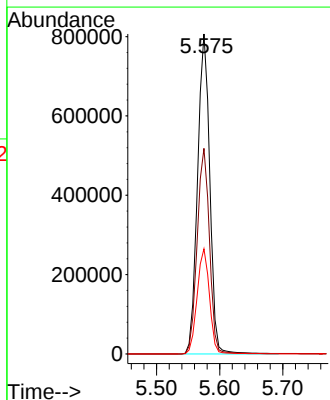
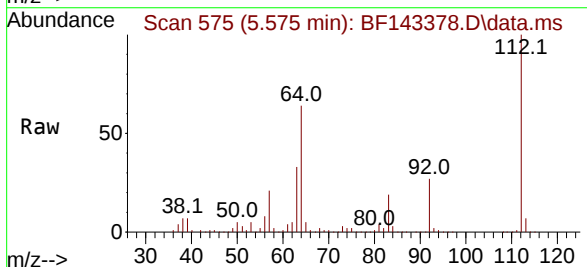
Instrument :  
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 ClientSampleId :  
 PB169223BL

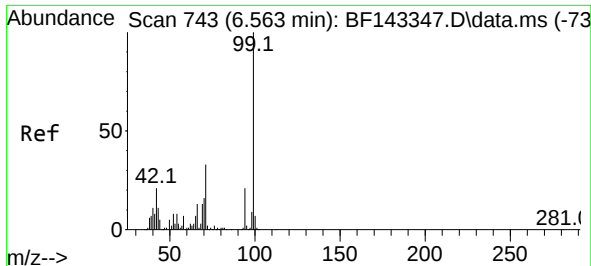
Tgt Ion:152 Resp: 154726  
 Ion Ratio Lower Upper  
 152 100  
 150 155.6 129.8 194.8  
 115 59.7 47.8 71.8



#5  
 2-Fluorophenol  
 Concen: 121.731 ng  
 RT: 5.575 min Scan# 575  
 Delta R.T. 0.012 min  
 Lab File: BF143378.D  
 Acq: 14 Aug 2025 13:25

Tgt Ion:112 Resp: 1089189  
 Ion Ratio Lower Upper  
 112 100  
 64 64.2 52.1 78.1  
 63 32.8 26.6 39.8

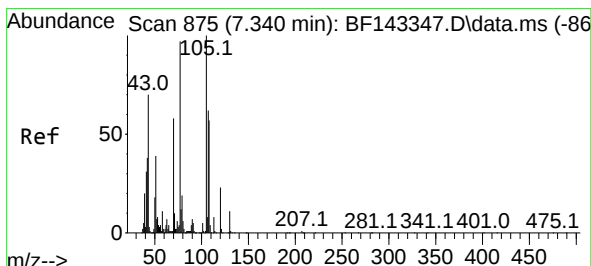
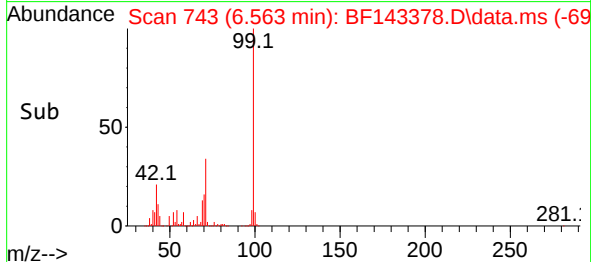
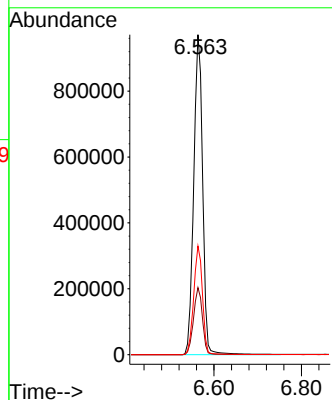
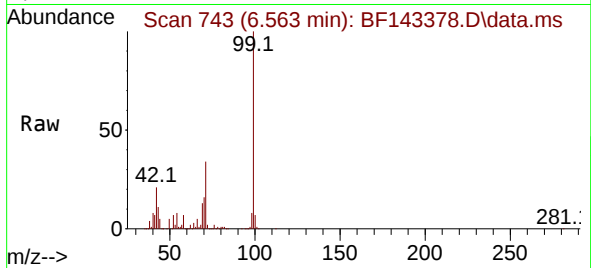




#7  
Phenol-d6  
Concen: 120.025 ng  
RT: 6.563 min Scan# 743  
Delta R.T. 0.000 min  
Lab File: BF143378.D  
Acq: 14 Aug 2025 13:25

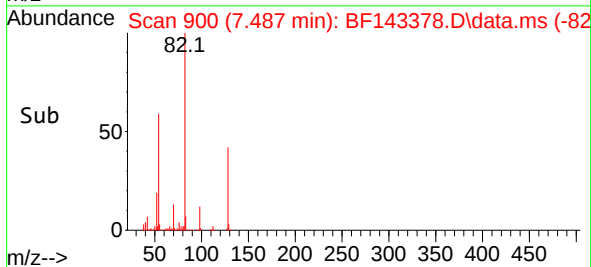
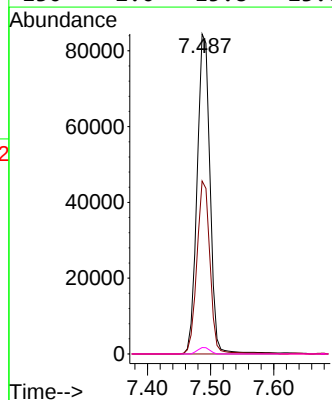
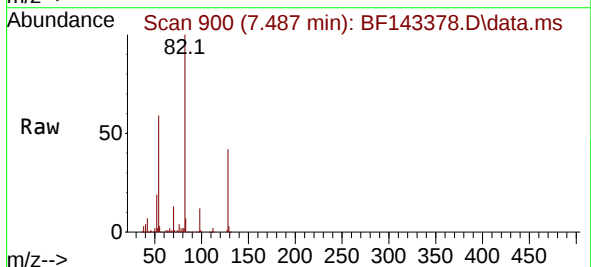
Instrument :  
BNA\_F  
ClientSampleId :  
PB169223BL

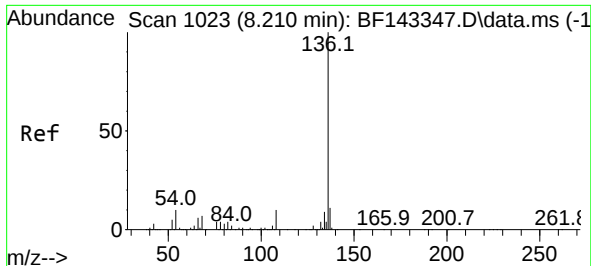
Tgt Ion: 99 Resp: 1377178  
Ion Ratio Lower Upper  
99 100  
42 21.0 16.6 25.0  
71 33.9 26.2 39.2



#19  
n-Nitroso-di-n-propylamine  
Concen: 16.960 ng  
RT: 7.487 min Scan# 900  
Delta R.T. 0.147 min  
Lab File: BF143378.D  
Acq: 14 Aug 2025 13:25

Tgt Ion: 70 Resp: 120243  
Ion Ratio Lower Upper  
70 100  
42 54.1 51.6 77.4  
101 0.0 7.5 11.3#  
130 2.0 15.8 23.6#

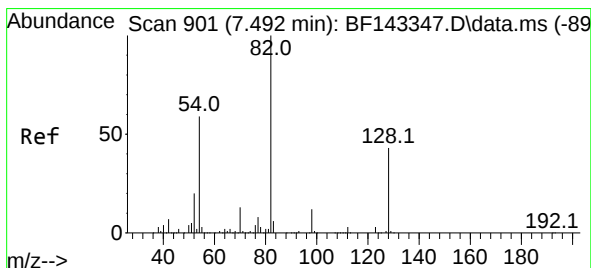
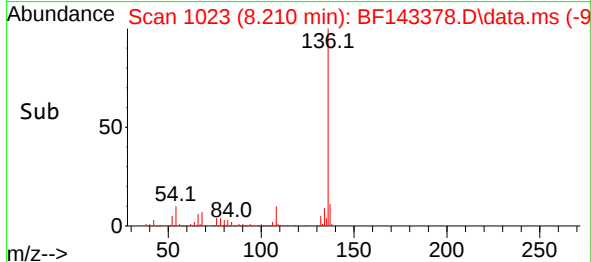
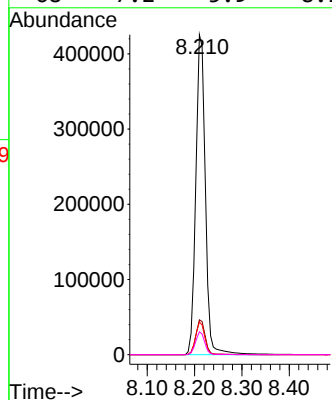
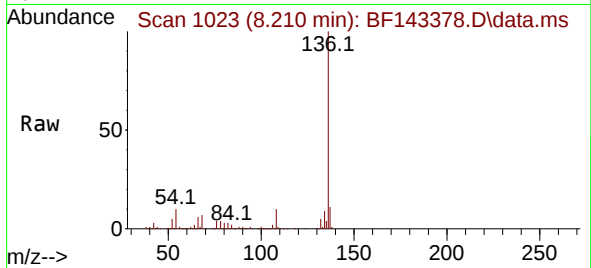




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.210 min Scan# 1023  
Delta R.T. 0.000 min  
Lab File: BF143378.D  
Acq: 14 Aug 2025 13:25

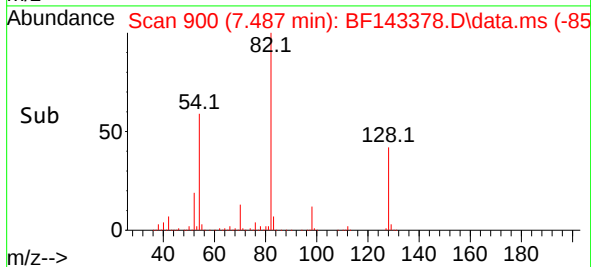
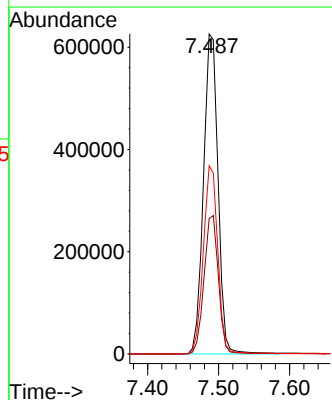
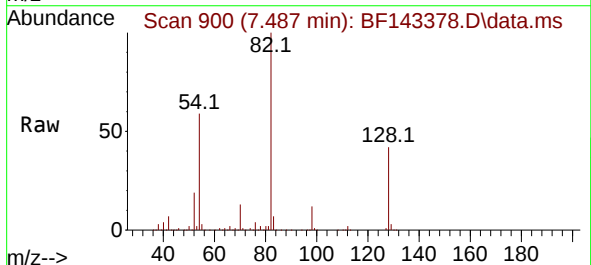
Instrument :  
BNA\_F  
ClientSampleId :  
PB169223BL

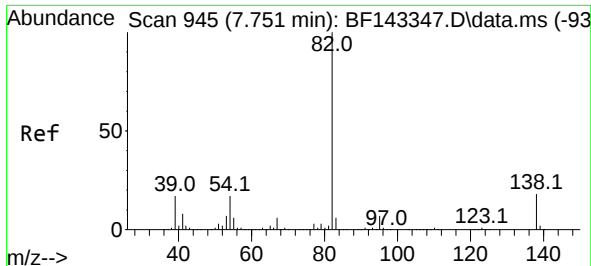
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 596838 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 10.9  | 8.6   | 13.0   |
| 54        | 10.2  | 8.4   | 12.6   |
| 68        | 7.2   | 5.9   | 8.9    |



#23  
Nitrobenzene-d5  
Concen: 93.412 ng  
RT: 7.487 min Scan# 900  
Delta R.T. -0.006 min  
Lab File: BF143378.D  
Acq: 14 Aug 2025 13:25

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 82    | Resp: | 895271 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 42.3  | 33.5  | 50.3   |
| 54        | 58.8  | 46.7  | 70.1   |

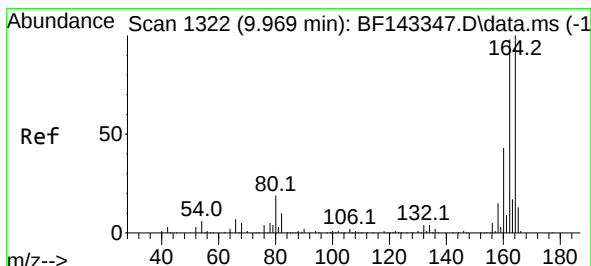
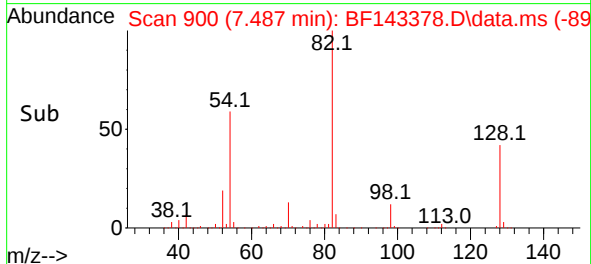
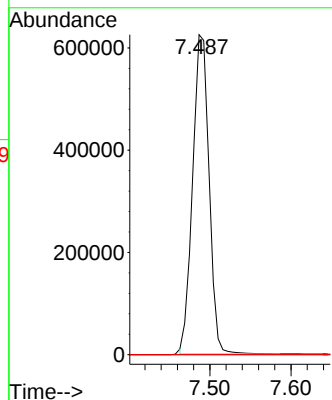
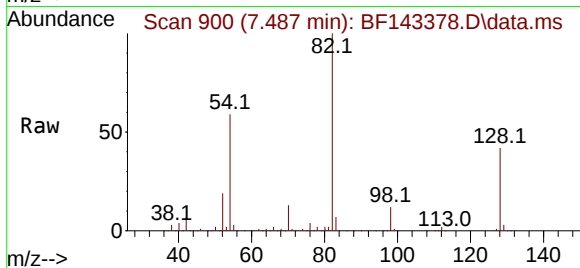




#25  
Isophorone  
Concen: 44.905 ng  
RT: 7.487 min Scan# 900  
Delta R.T. -0.265 min  
Lab File: BF143378.D  
Acq: 14 Aug 2025 13:25

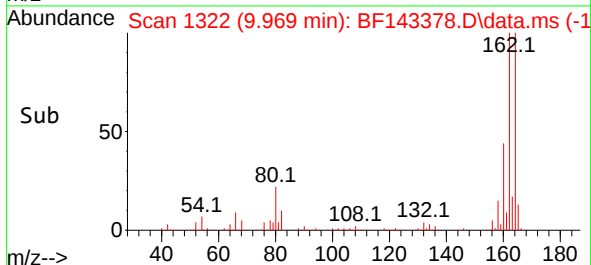
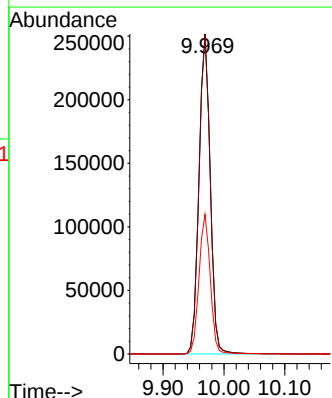
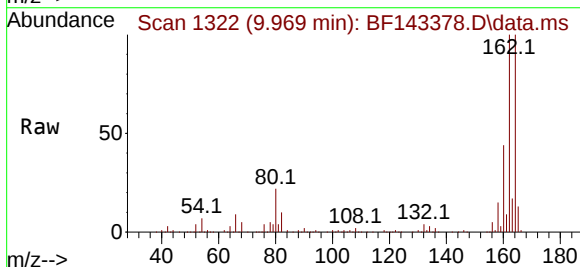
Instrument :  
BNA\_F  
ClientSampleId :  
PB169223BL

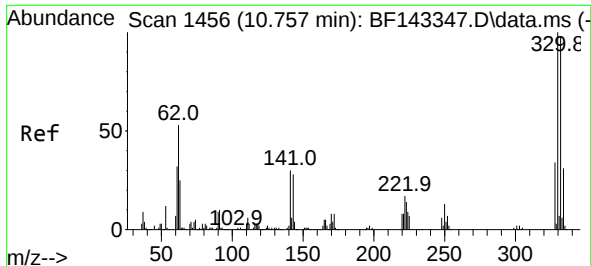
Tgt Ion: 82 Resp: 878582  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.5 8.3#  
138 0.0 14.6 21.8#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.969 min Scan# 1322  
Delta R.T. -0.000 min  
Lab File: BF143378.D  
Acq: 14 Aug 2025 13:25

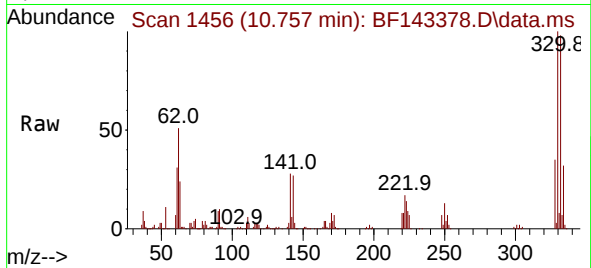
Tgt Ion: 164 Resp: 323008  
Ion Ratio Lower Upper  
164 100  
162 99.8 78.6 118.0  
160 43.6 34.4 51.6



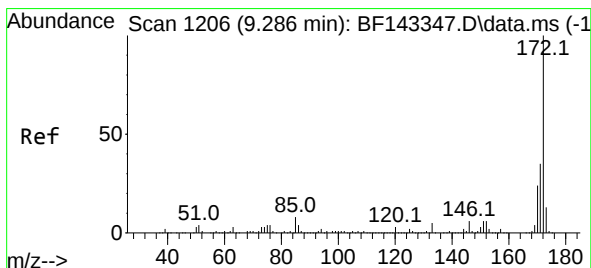
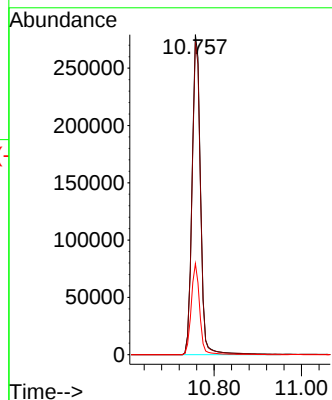
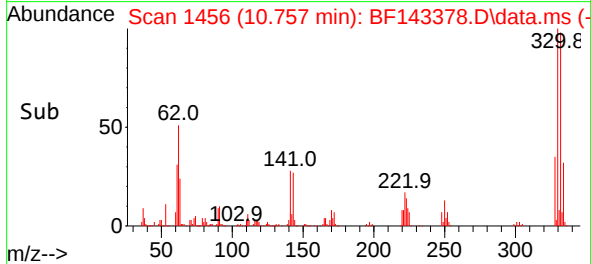


#42  
2,4,6-Tribromophenol  
Concen: 159.192 ng  
RT: 10.757 min Scan# 1456  
Delta R.T. 0.000 min  
Lab File: BF143378.D  
Acq: 14 Aug 2025 13:25

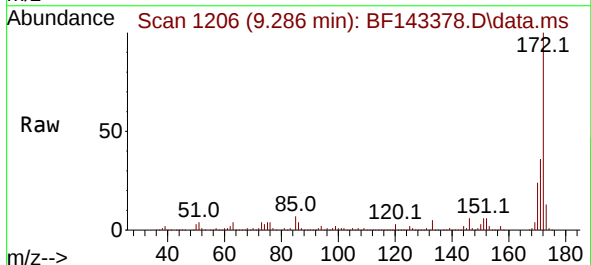
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BNA\_F  
ClientSampleId :  
PB169223BL



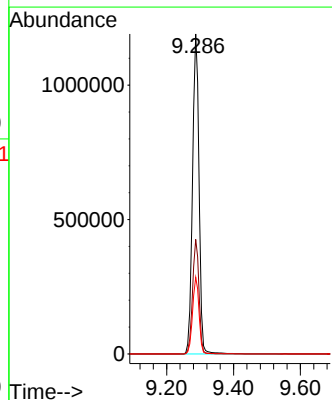
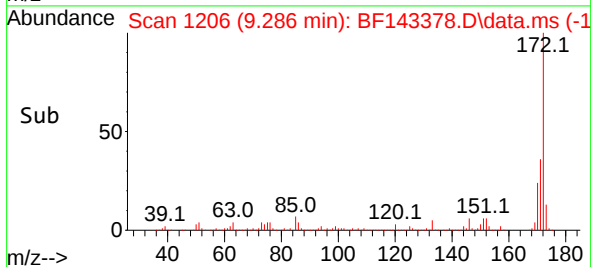
Tgt Ion:330 Resp: 375791  
Ion Ratio Lower Upper  
330 100  
332 97.5 78.1 117.1  
141 28.4 25.4 38.0

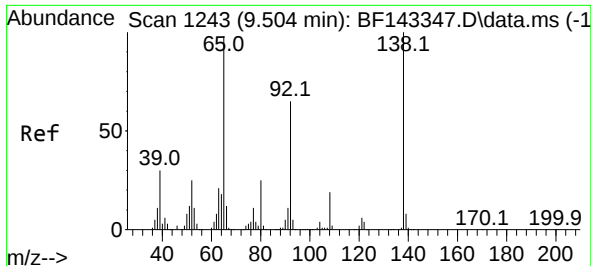


#45  
2-Fluorobiphenyl  
Concen: 84.716 ng  
RT: 9.286 min Scan# 1206  
Delta R.T. 0.000 min  
Lab File: BF143378.D  
Acq: 14 Aug 2025 13:25



Tgt Ion:172 Resp: 1613674  
Ion Ratio Lower Upper  
172 100  
171 35.8 28.4 42.6  
170 24.0 19.1 28.7





#48

2-Nitroaniline

Concen: 3.230 ng

RT: 9.286 min Scan# 11

Delta R.T. -0.218 min

Lab File: BF143378.D

Acq: 14 Aug 2025 13:25

Instrument :

BNA\_F

ClientSampleId :

PB169223BL

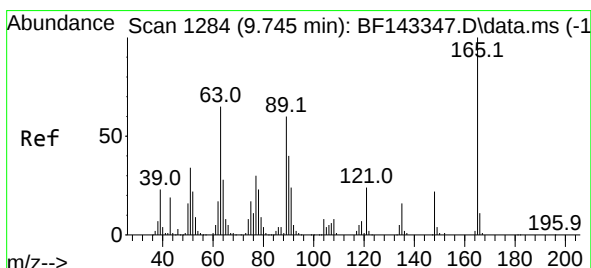
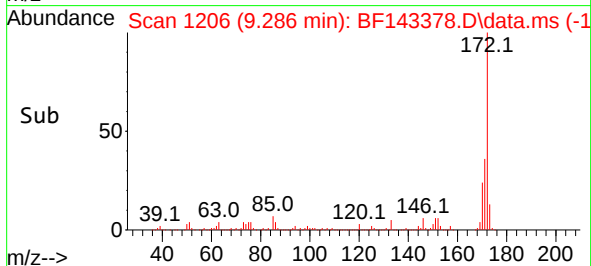
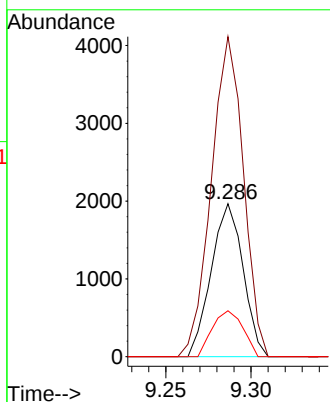
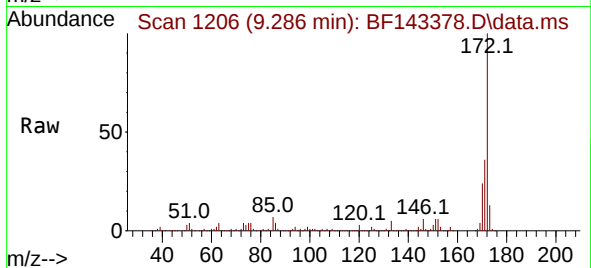
Tgt Ion: 65 Resp: 2554

Ion Ratio Lower Upper

65 100

92 209.2 53.1 79.7#

138 30.0 81.4 122.0#



#51

2,6-Dinitrotoluene

Concen: 13.677 ng

RT: 9.969 min Scan# 1322

Delta R.T. 0.224 min

Lab File: BF143378.D

Acq: 14 Aug 2025 13:25

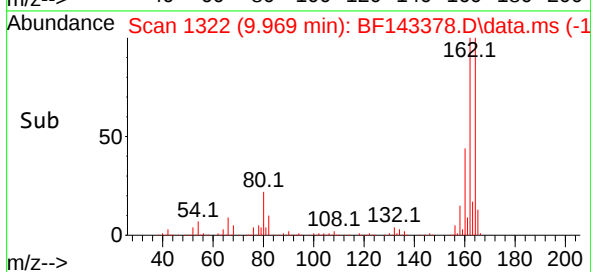
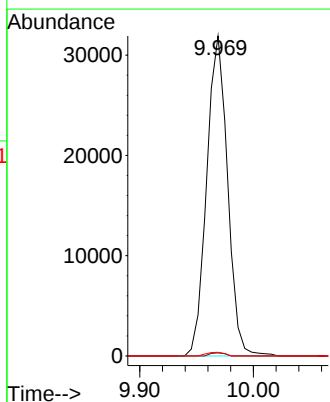
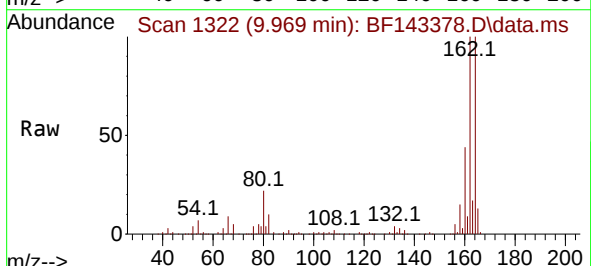
Tgt Ion: 165 Resp: 40785

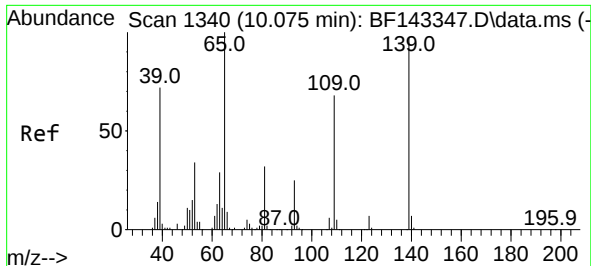
Ion Ratio Lower Upper

165 100

63 0.9 51.6 77.4#

89 1.2 47.7 71.5#

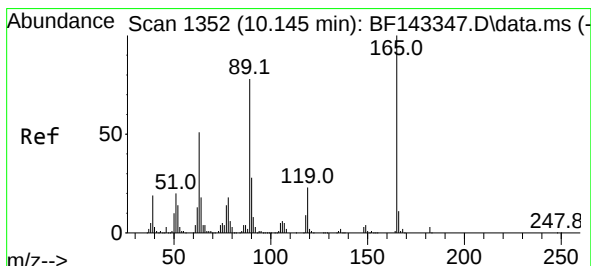
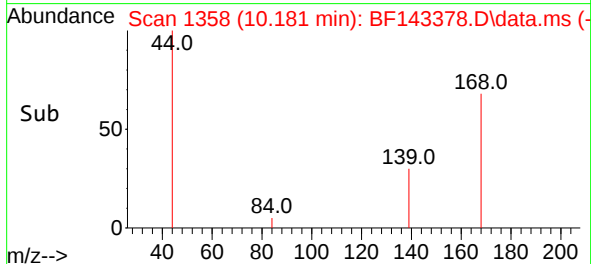
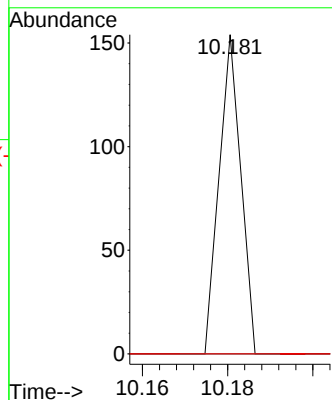
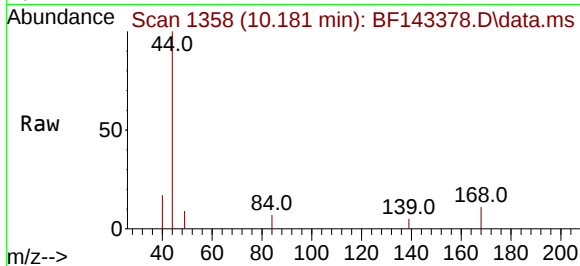




#56  
4-Nitrophenol  
Concen: 5.493 ng  
RT: 10.181 min Scan# 11  
Delta R.T. 0.106 min  
Lab File: BF143378.D  
Acq: 14 Aug 2025 13:25

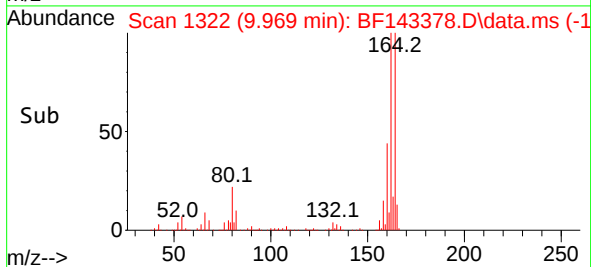
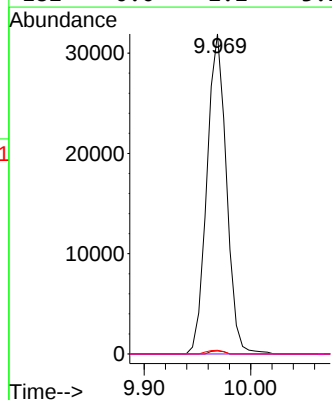
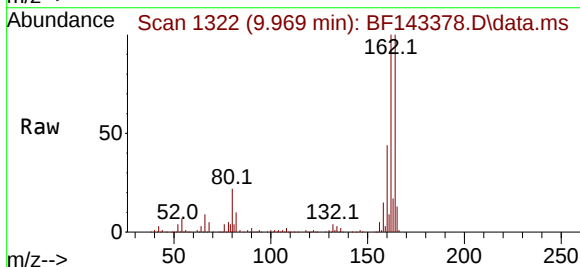
Instrument :  
BNA\_F  
ClientSampleId :  
PB169223BL

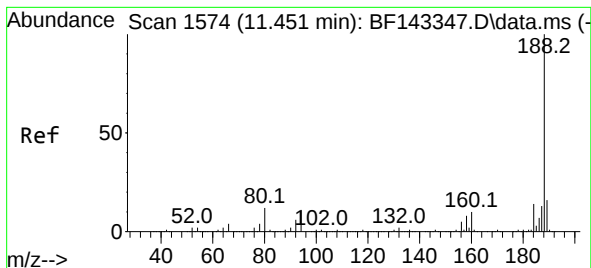
Tgt Ion:139 Resp: 54  
Ion Ratio Lower Upper  
139 100  
109 0.0 49.4 89.4#  
65 0.0 83.7 123.7#



#57  
2,4-Dinitrotoluene  
Concen: 11.079 ng  
RT: 9.969 min Scan# 1322  
Delta R.T. -0.176 min  
Lab File: BF143378.D  
Acq: 14 Aug 2025 13:25

Tgt Ion:165 Resp: 40785  
Ion Ratio Lower Upper  
165 100  
63 0.9 41.8 62.8#  
89 1.2 62.4 93.6#  
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.457 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF143378.D

Acq: 14 Aug 2025 13:25

Instrument :

BNA\_F

ClientSampleId :

PB169223BL

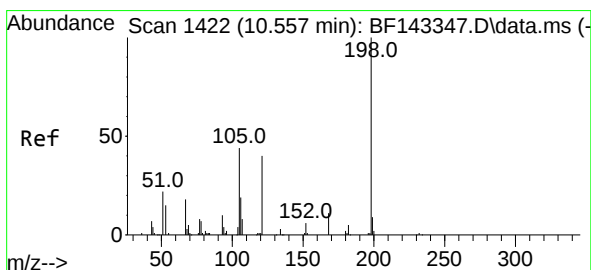
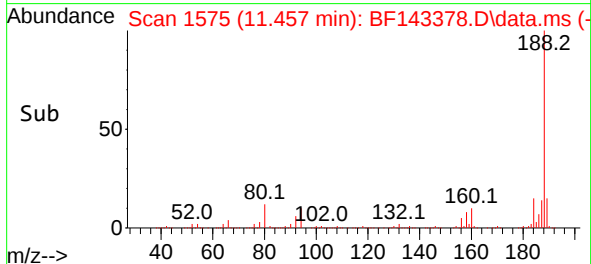
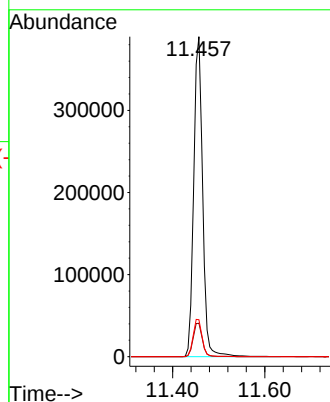
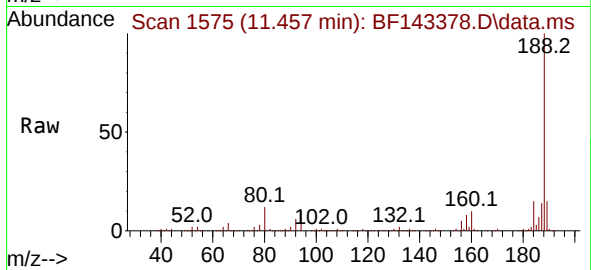
Tgt Ion:188 Resp: 521634

Ion Ratio Lower Upper

188 100

94 10.4 8.8 13.2

80 11.6 9.7 14.5



#65

4,6-Dinitro-2-methylphenol

Concen: 7.568 ng

RT: 10.757 min Scan# 1456

Delta R.T. 0.200 min

Lab File: BF143378.D

Acq: 14 Aug 2025 13:25

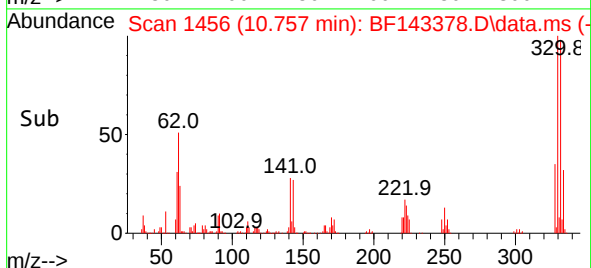
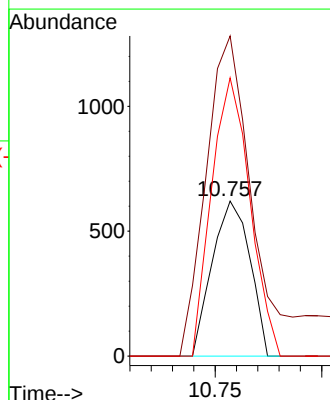
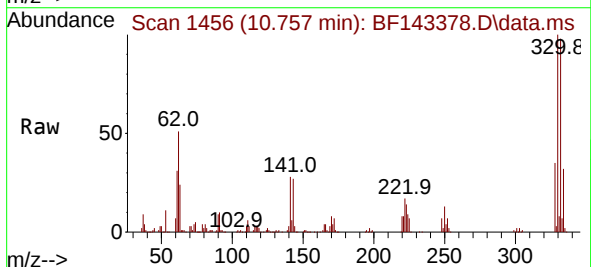
Tgt Ion:198 Resp: 764

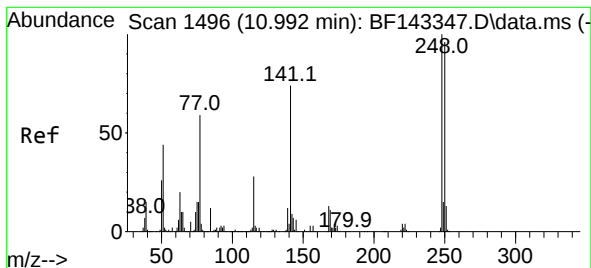
Ion Ratio Lower Upper

198 100

51 206.4 41.7 81.7#

105 179.4 26.8 66.8#

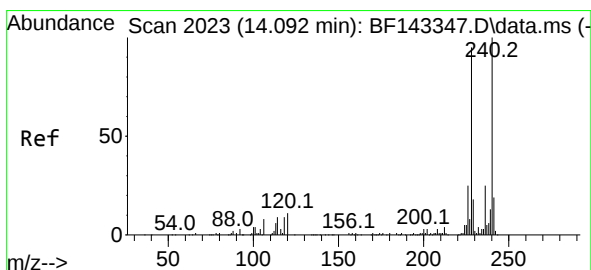
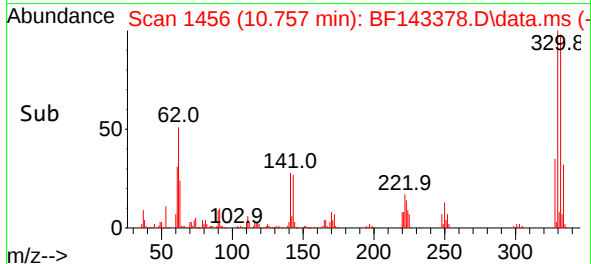
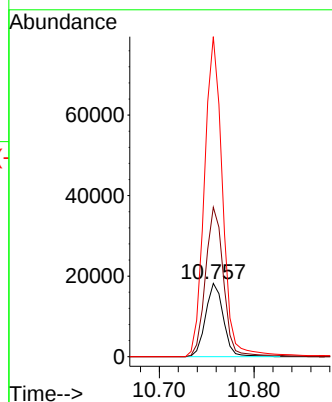
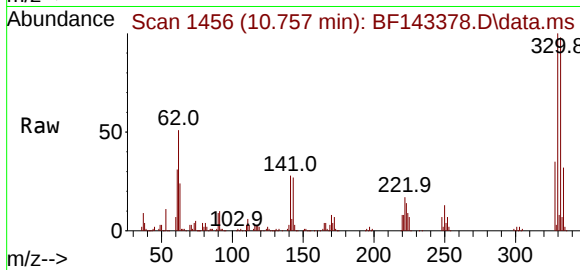




#67  
4-Bromophenyl-phenylether  
Concen: 4.009 ng  
RT: 10.757 min Scan# 14  
Delta R.T. -0.235 min  
Lab File: BF143378.D  
Acq: 14 Aug 2025 13:25

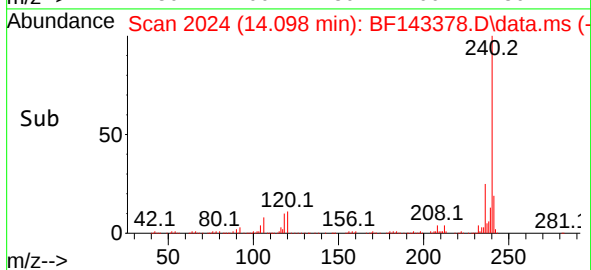
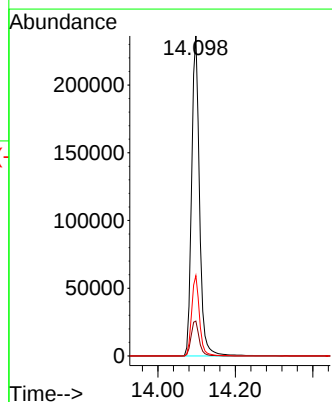
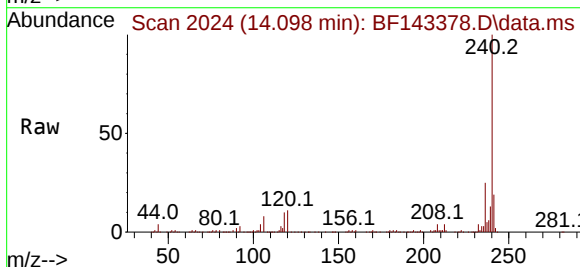
Instrument :  
BNA\_F  
ClientSampleId :  
PB169223BL

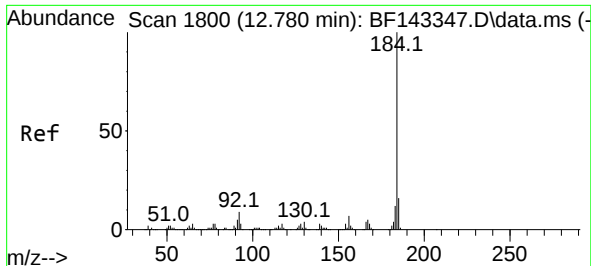
Tgt Ion:248 Resp: 23915  
Ion Ratio Lower Upper  
248 100  
250 204.0 77.1 115.7#  
141 436.7 59.1 88.7#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.098 min Scan# 2024  
Delta R.T. 0.006 min  
Lab File: BF143378.D  
Acq: 14 Aug 2025 13:25

Tgt Ion:240 Resp: 333271  
Ion Ratio Lower Upper  
240 100  
120 10.9 9.0 13.6  
236 25.1 19.9 29.9

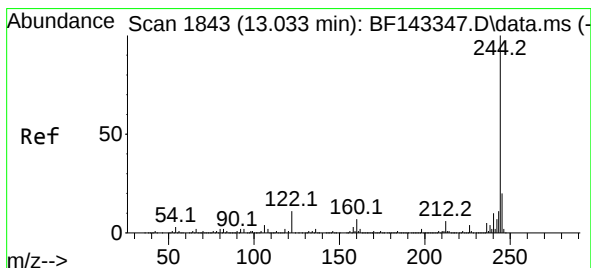
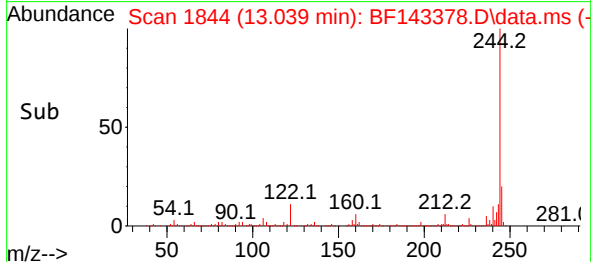
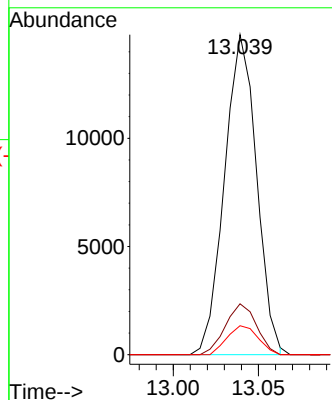
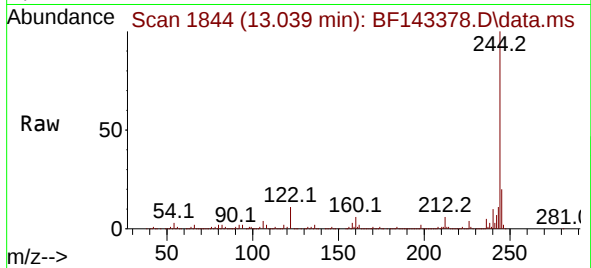




#77  
Benzidine  
Concen: 2.126 ng  
RT: 13.039 min Scan# 1844  
Delta R.T. 0.259 min  
Lab File: BF143378.D  
Acq: 14 Aug 2025 13:25

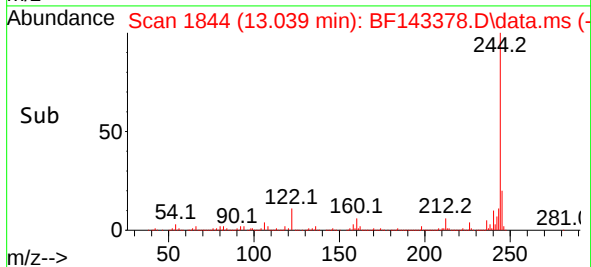
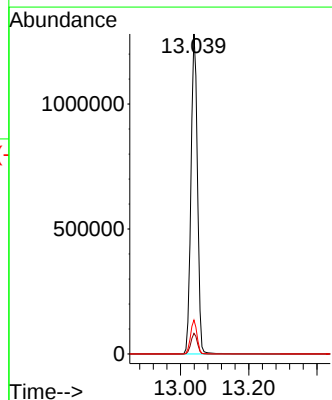
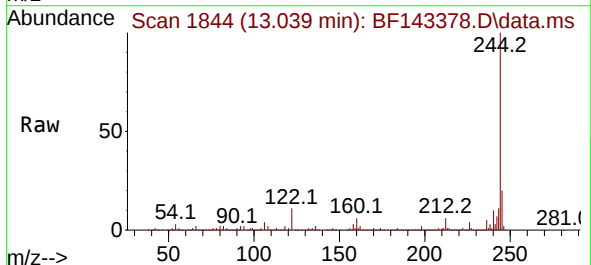
Instrument :  
BNA\_F  
ClientSampleId :  
PB169223BL

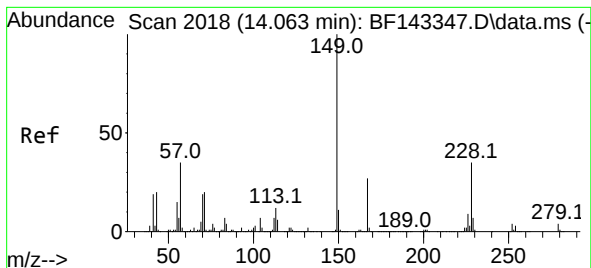
Tgt Ion:184 Resp: 19372  
Ion Ratio Lower Upper  
184 100  
185 15.9 12.8 19.2  
183 9.1 9.3 13.9#



#79  
Terphenyl-d14  
Concen: 90.158 ng  
RT: 13.039 min Scan# 1844  
Delta R.T. 0.006 min  
Lab File: BF143378.D  
Acq: 14 Aug 2025 13:25

Tgt Ion:244 Resp: 1682986  
Ion Ratio Lower Upper  
244 100  
212 6.5 5.1 7.7  
122 10.6 8.9 13.3

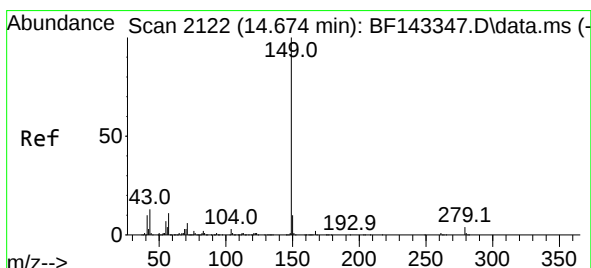
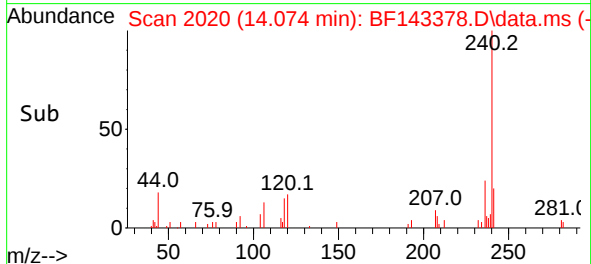
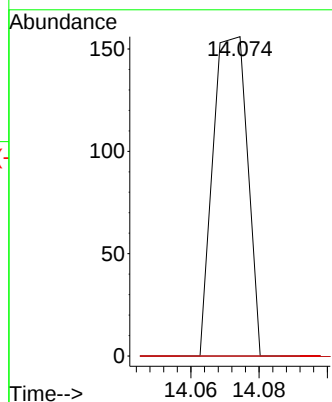
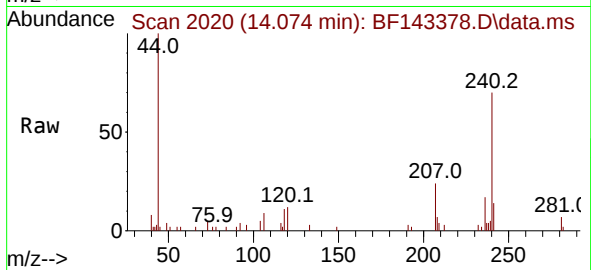




#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 4.002 ng  
 RT: 14.074 min Scan# 2018  
 Delta R.T. 0.011 min  
 Lab File: BF143378.D  
 Acq: 14 Aug 2025 13:25

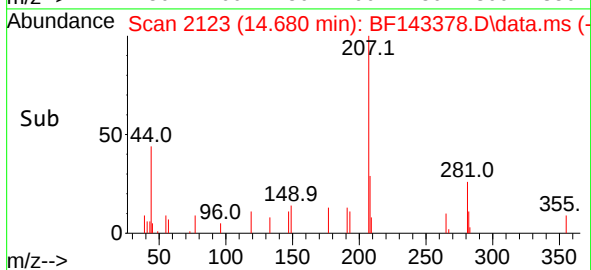
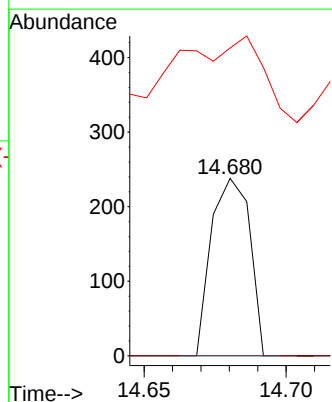
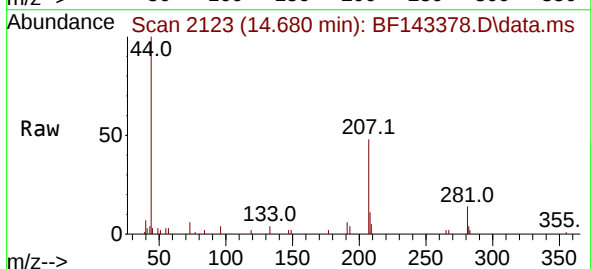
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB169223BL

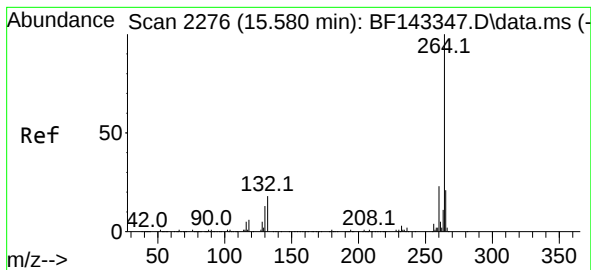
Tgt Ion:149 Resp: 109  
 Ion Ratio Lower Upper  
 149 100  
 167 0.0 21.4 32.0#  
 279 0.0 3.2 4.8#



#85  
 Di-n-octyl phthalate  
 Concen: 6.037 ng  
 RT: 14.680 min Scan# 2123  
 Delta R.T. 0.006 min  
 Lab File: BF143378.D  
 Acq: 14 Aug 2025 13:25

Tgt Ion:149 Resp: 224  
 Ion Ratio Lower Upper  
 149 100  
 167 0.0 1.3 1.9#  
 43 102.2 10.8 16.2#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.592 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF143378.D

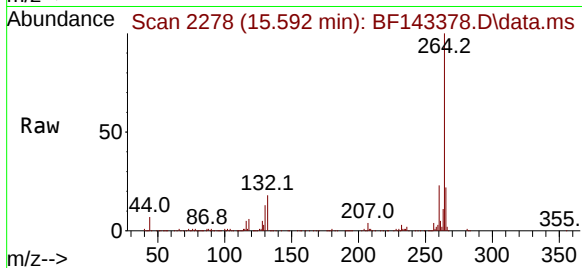
Acq: 14 Aug 2025 13:25

Instrument :

BNA\_F

ClientSampleId :

PB169223BL



Tgt Ion:264 Resp: 283492

Ion Ratio Lower Upper

264 100

260 23.5 18.7 28.1

265 21.8 17.2 25.8

