

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF091625\  
 Data File : BF143778.D  
 Acq On : 16 Sep 2025 17:51  
 Operator : RC/JU  
 Sample : PB169672BL  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB169672BL

Quant Time: Sep 16 18:22:55 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091625.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 16 15:40:08 2025  
 Response via : Initial Calibration

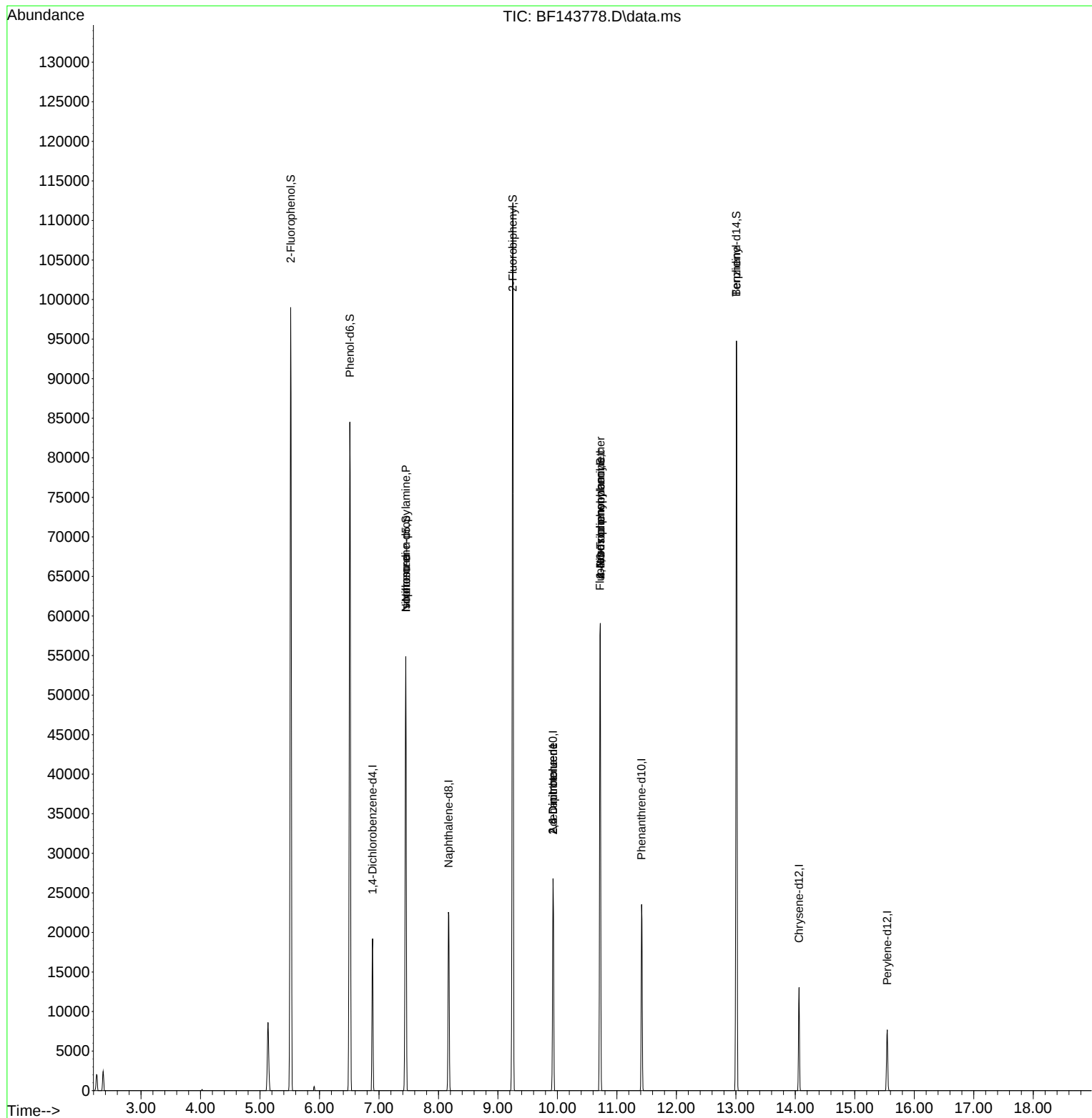
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.892  | 152  | 5087     | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.169  | 136  | 16785    | 20.000  | ng    | #-0.01   |
| 39) Acenaphthene-d10          | 9.928  | 164  | 8678     | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.416 | 188  | 14319    | 20.000  | ng    | -0.01    |
| 76) Chrysene-d12              | 14.063 | 240  | 7484     | 20.000  | ng    | -0.01    |
| 86) Perylene-d12              | 15.545 | 264  | 5255     | 20.000  | ng    | -0.01    |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.516  | 112  | 42366    | 132.960 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.510  | 99   | 48230    | 129.598 | ng    | -0.02    |
| 23) Nitrobenzene-d5           | 7.451  | 82   | 27917    | 98.415  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol      | 10.722 | 330  | 11722    | 133.924 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.251  | 172  | 57689    | 91.516  | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.010 | 244  | 52335    | 108.912 | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.451  | 70   | 3409     | 15.768  | ng    | # 80     |
| 25) Isophorone                | 7.451  | 82   | 27153    | 52.851  | ng    | # 63     |
| 51) 2,6-Dinitrotoluene        | 9.928  | 165  | 1107     | 9.415   | ng    | # 28     |
| 57) 2,4-Dinitrotoluene        | 9.928  | 165  | 1107     | 6.765   | ng    | # 29     |
| 58) Fluorene                  | 10.716 | 166  | 438      | 0.789   | ng    | # 95     |
| 66) n-Nitrosodiphenylamine    | 10.722 | 169  | 207      | 0.414   | ng    | # 26     |
| 67) 4-Bromophenyl-phenylether | 10.722 | 248  | 763      | 4.313   | ng    | # 1      |
| 77) Benzidine                 | 13.010 | 184  | 488      | 2.108   | ng    | # 66     |
| -----                         |        |      |          |         |       |          |

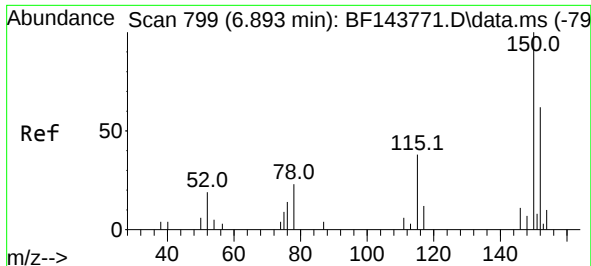
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
BNA\_F  
ClientSampleId :  
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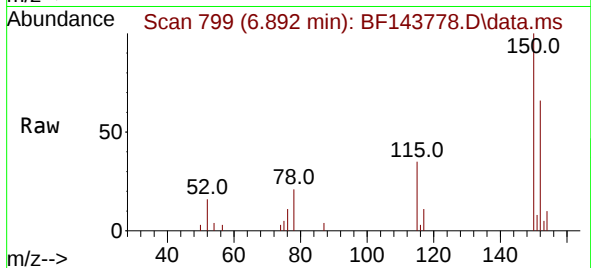
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091625.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Sep 16 15:40:08 2025  
Response via : Initial Calibration



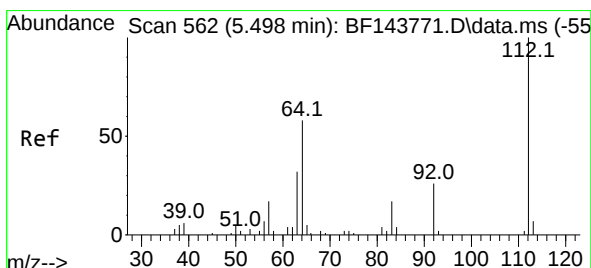
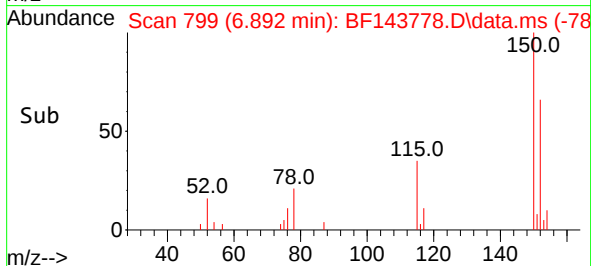
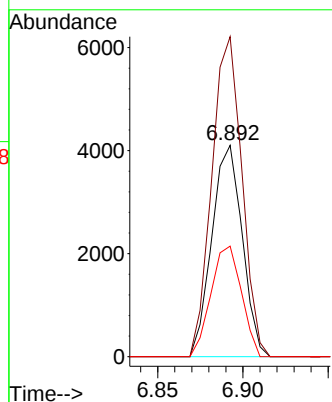


#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.892 min Scan# 799  
Delta R.T. -0.006 min  
Lab File: BF143778.D  
Acq: 16 Sep 2025 17:51

Instrument :  
BNA\_F  
ClientSampleId :  
PB169672BL

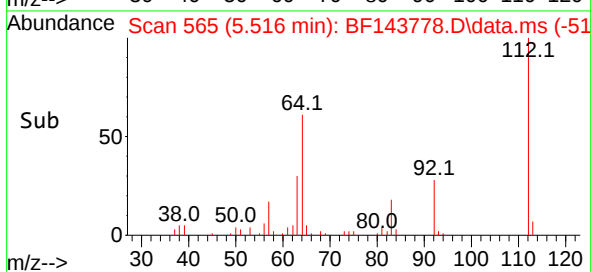
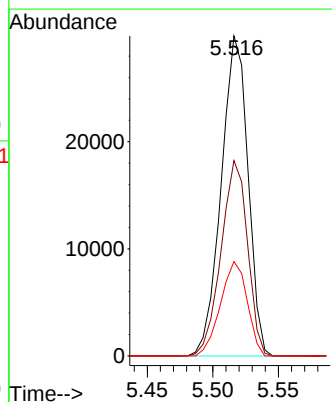
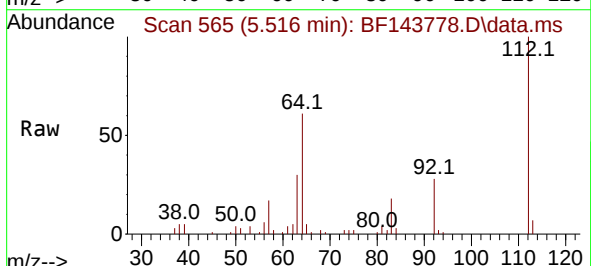


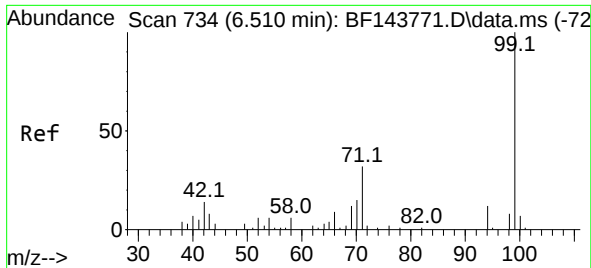
Tgt Ion:152 Resp: 5087  
Ion Ratio Lower Upper  
152 100  
150 151.4 128.8 193.2  
115 52.3 49.1 73.7



#5  
2-Fluorophenol  
Concen: 132.960 ng  
RT: 5.516 min Scan# 565  
Delta R.T. 0.006 min  
Lab File: BF143778.D  
Acq: 16 Sep 2025 17:51

Tgt Ion:112 Resp: 42366  
Ion Ratio Lower Upper  
112 100  
64 61.0 46.3 69.5  
63 29.5 25.4 38.2

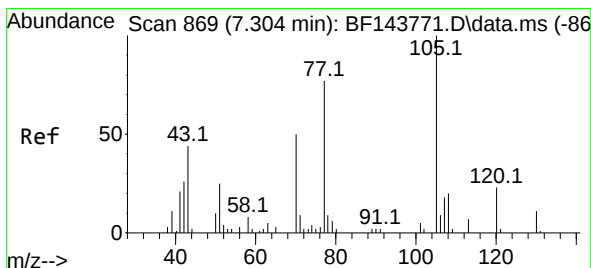
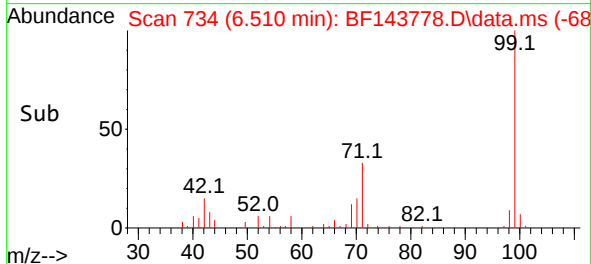
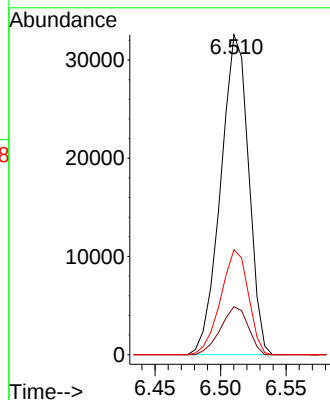
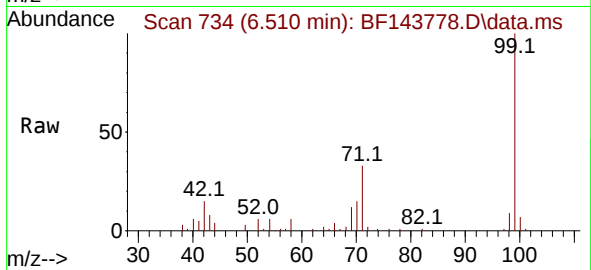




#7  
Phenol-d6  
Concen: 129.598 ng  
RT: 6.510 min Scan# 71  
Delta R.T. -0.018 min  
Lab File: BF143778.D  
Acq: 16 Sep 2025 17:51

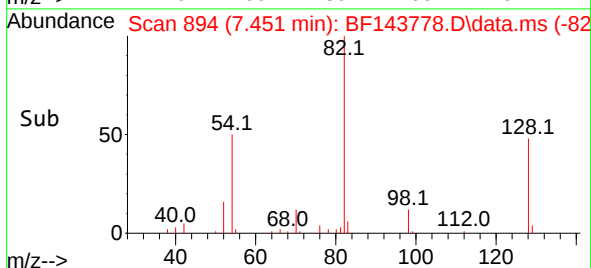
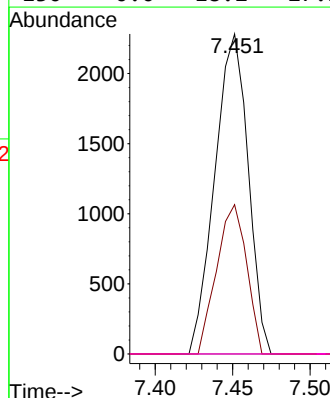
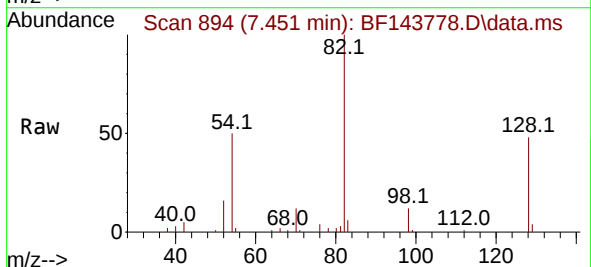
Instrument :  
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ClientSampleId :  
PB169672BL

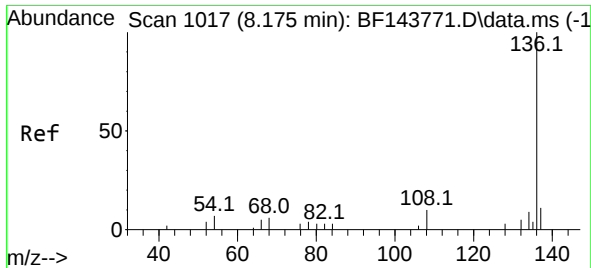
Tgt Ion: 99 Resp: 48230  
Ion Ratio Lower Upper  
99 100  
42 15.0 11.5 17.3  
71 32.8 25.4 38.0



#19  
n-Nitroso-di-n-propylamine  
Concen: 15.768 ng  
RT: 7.451 min Scan# 894  
Delta R.T. 0.129 min  
Lab File: BF143778.D  
Acq: 16 Sep 2025 17:51

Tgt Ion: 70 Resp: 3409  
Ion Ratio Lower Upper  
70 100  
42 46.7 41.0 61.6  
101 0.0 7.4 11.0#  
130 0.0 18.2 27.2#

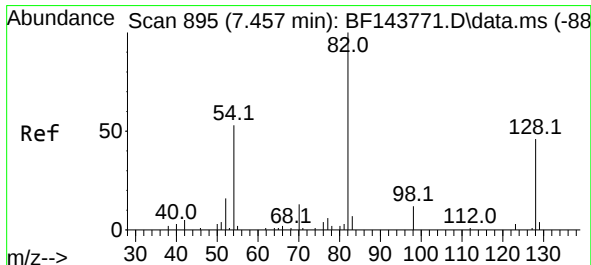
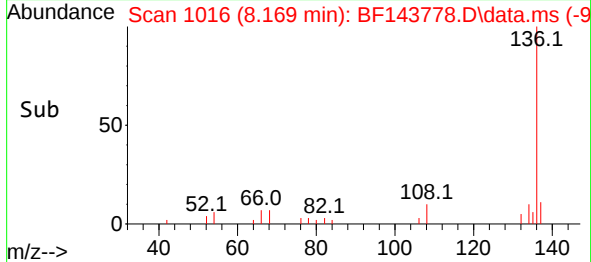
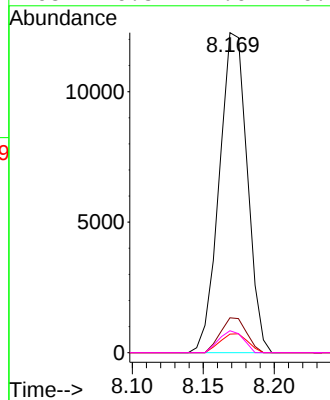
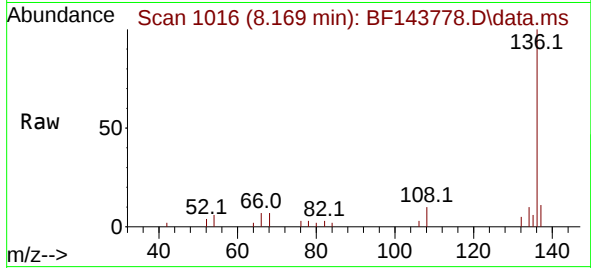




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.169 min Scan# 1016  
Delta R.T. -0.012 min  
Lab File: BF143778.D  
Acq: 16 Sep 2025 17:51

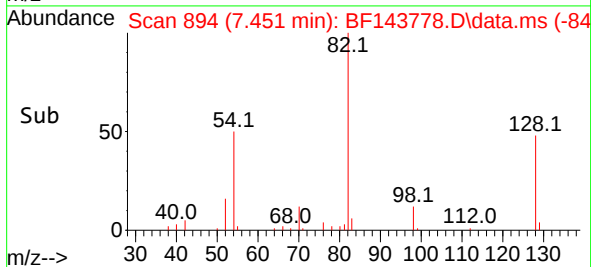
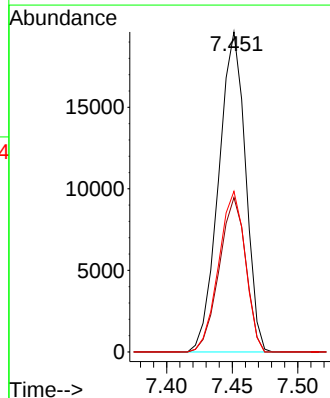
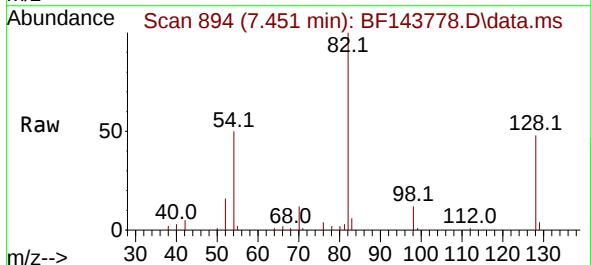
Instrument :  
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ClientSampleId :  
PB169672BL

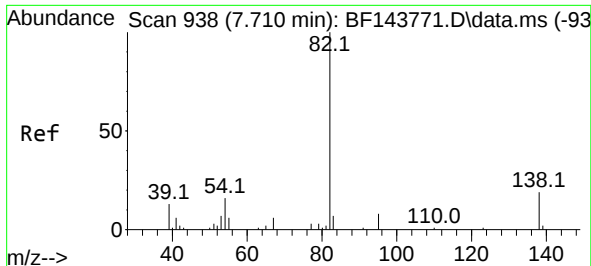
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 136   | Resp: | 16785 |
| Ion Ratio | Lower | Upper |       |
| 136       | 100   |       |       |
| 137       | 10.9  | 8.9   | 13.3  |
| 54        | 5.8   | 5.9   | 8.9#  |
| 68        | 6.8   | 4.6   | 6.8   |



#23  
Nitrobenzene-d5  
Concen: 98.415 ng  
RT: 7.451 min Scan# 894  
Delta R.T. -0.018 min  
Lab File: BF143778.D  
Acq: 16 Sep 2025 17:51

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 82    | Resp: | 27917 |
| Ion Ratio | Lower | Upper |       |
| 82        | 100   |       |       |
| 128       | 48.2  | 36.6  | 55.0  |
| 54        | 50.2  | 41.9  | 62.9  |

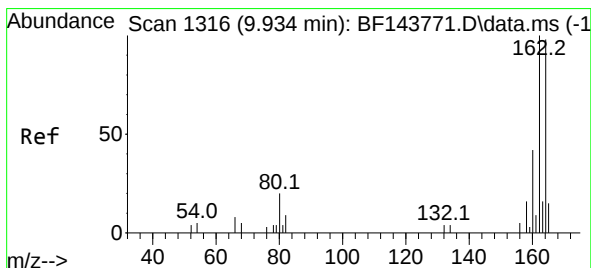
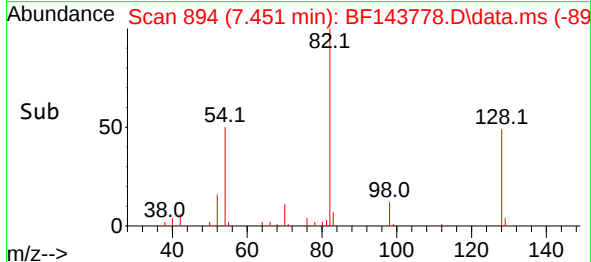
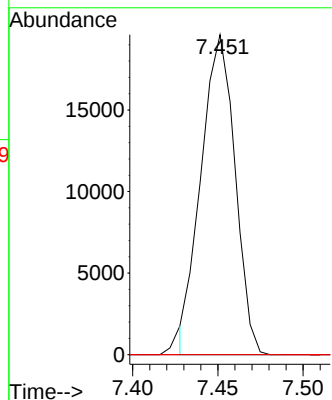
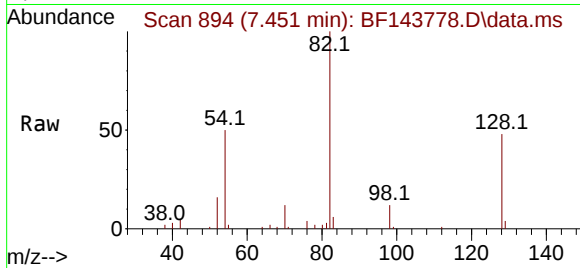




#25  
Isophorone  
Concen: 52.851 ng  
RT: 7.451 min Scan# 89  
Delta R.T. -0.276 min  
Lab File: BF143778.D  
Acq: 16 Sep 2025 17:51

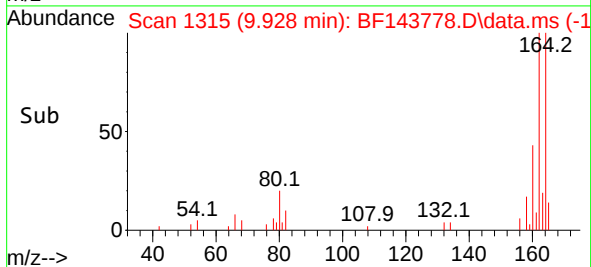
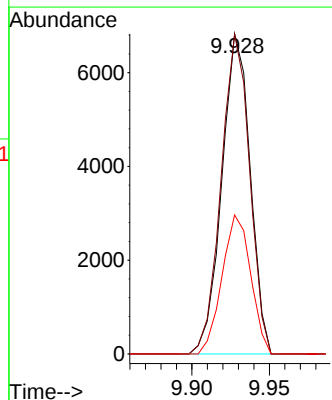
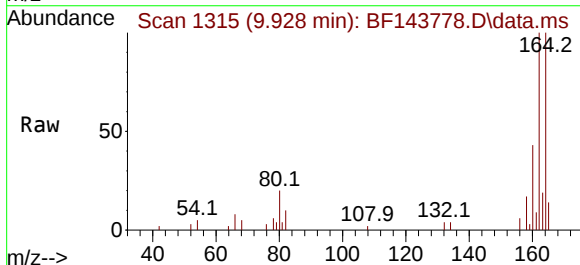
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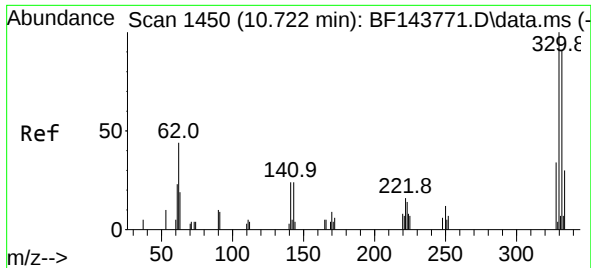
Tgt Ion: 82 Resp: 27153  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.1 9.1#  
138 0.0 15.4 23.2#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.928 min Scan# 1315  
Delta R.T. -0.006 min  
Lab File: BF143778.D  
Acq: 16 Sep 2025 17:51

Tgt Ion:164 Resp: 8678  
Ion Ratio Lower Upper  
164 100  
162 100.0 81.5 122.3  
160 43.5 33.9 50.9

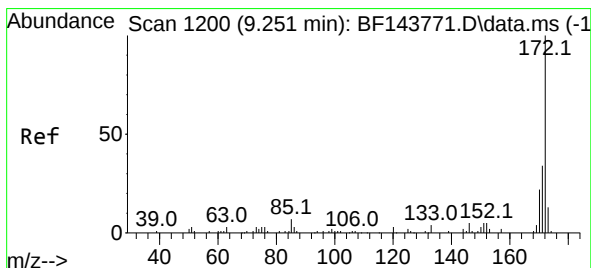
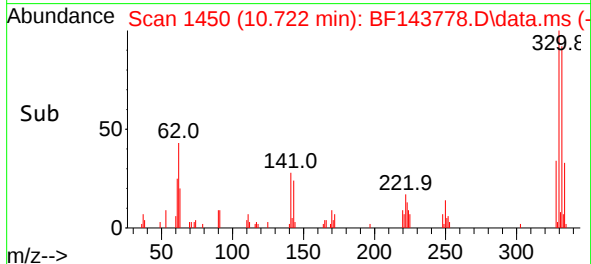
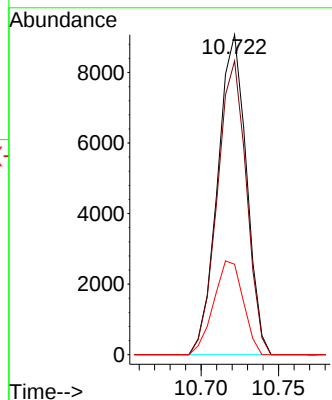
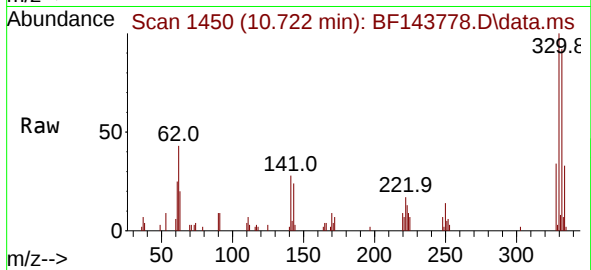




#42  
2,4,6-Tribromophenol  
Concen: 133.924 ng  
RT: 10.722 min Scan# 1450  
Delta R.T. -0.012 min  
Lab File: BF143778.D  
Acq: 16 Sep 2025 17:51

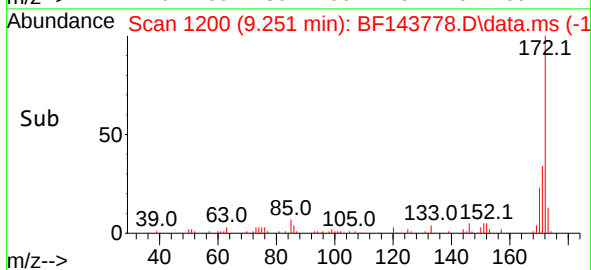
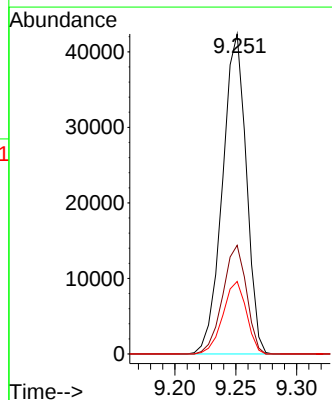
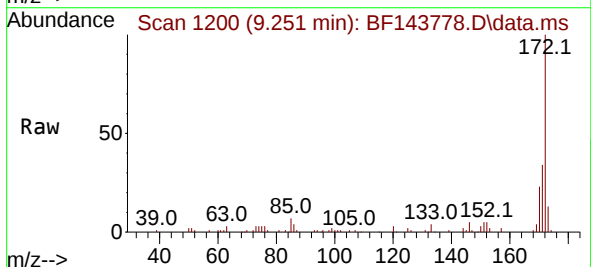
Instrument :  
BNA\_F  
ClientSampleId :  
PB169672BL

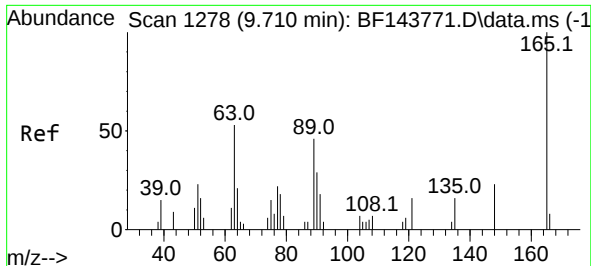
Tgt Ion:330 Resp: 11722  
Ion Ratio Lower Upper  
330 100  
332 92.5 72.0 108.0  
141 30.0 20.3 30.5



#45  
2-Fluorobiphenyl  
Concen: 91.516 ng  
RT: 9.251 min Scan# 1200  
Delta R.T. -0.006 min  
Lab File: BF143778.D  
Acq: 16 Sep 2025 17:51

Tgt Ion:172 Resp: 57689  
Ion Ratio Lower Upper  
172 100  
171 33.9 27.5 41.3  
170 22.7 17.7 26.5





#51

2,6-Dinitrotoluene

Concen: 9.415 ng

RT: 9.928 min Scan# 1107

Delta R.T. 0.206 min

Lab File: BF143778.D

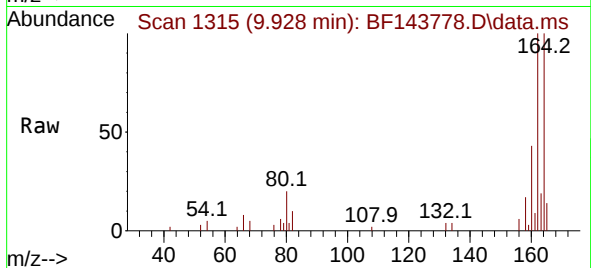
Acq: 16 Sep 2025 17:51

Instrument :

BNA\_F

ClientSampleId :

PB169672BL



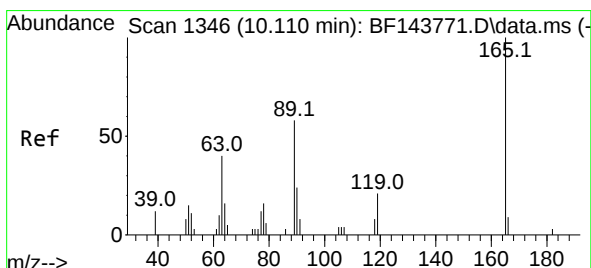
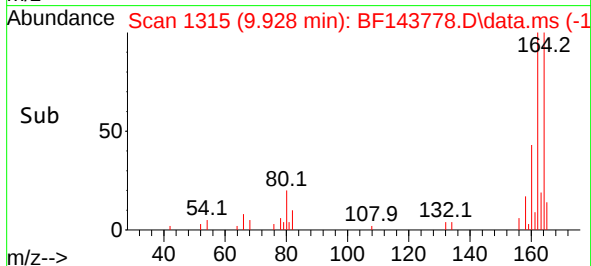
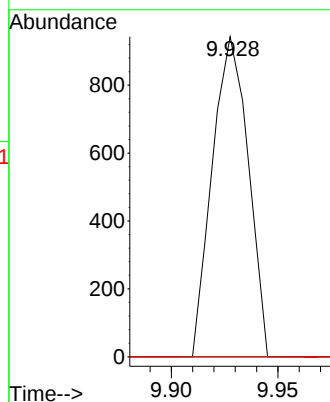
Tgt Ion:165 Resp: 1107

Ion Ratio Lower Upper

165 100

63 0.0 42.5 63.7#

89 0.0 36.9 55.3#



#57

2,4-Dinitrotoluene

Concen: 6.765 ng

RT: 9.928 min Scan# 1315

Delta R.T. -0.194 min

Lab File: BF143778.D

Acq: 16 Sep 2025 17:51

Tgt Ion:165 Resp: 1107

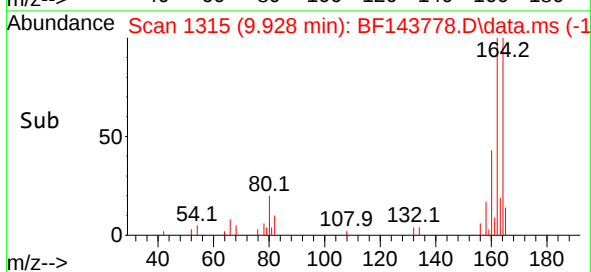
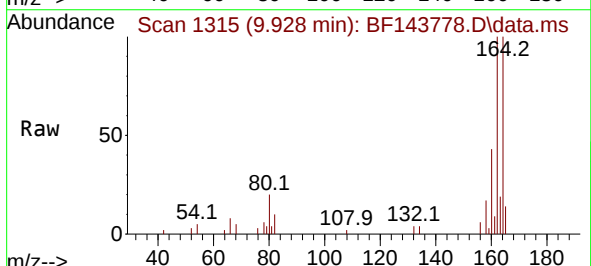
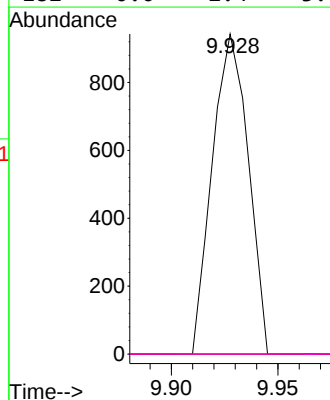
Ion Ratio Lower Upper

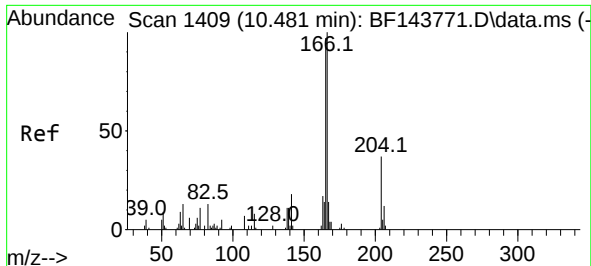
165 100

63 0.0 32.1 48.1#

89 0.0 46.4 69.6#

182 0.0 2.4 3.6#

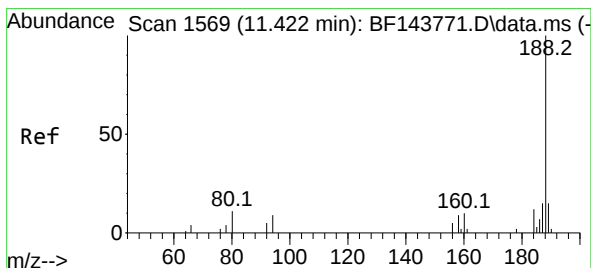
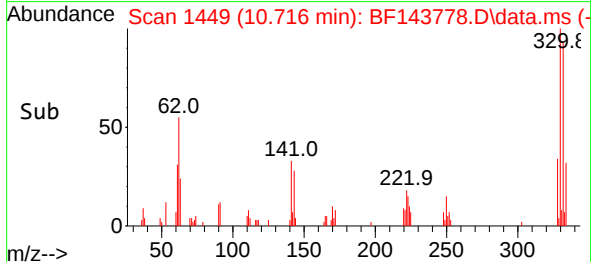
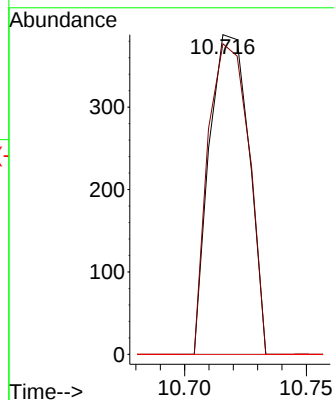
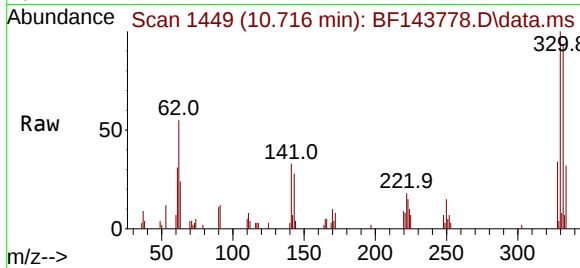




#58  
 Fluorene  
 Concen: 0.789 ng  
 RT: 10.716 min Scan# 1409  
 Delta R.T. 0.229 min  
 Lab File: BF143778.D  
 Acq: 16 Sep 2025 17:51

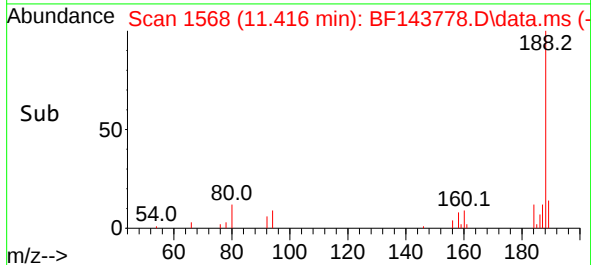
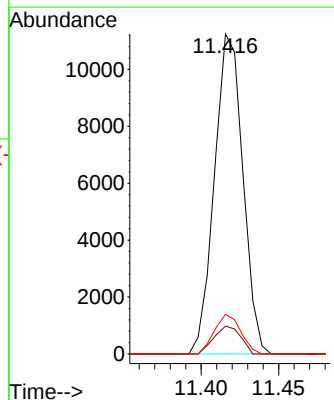
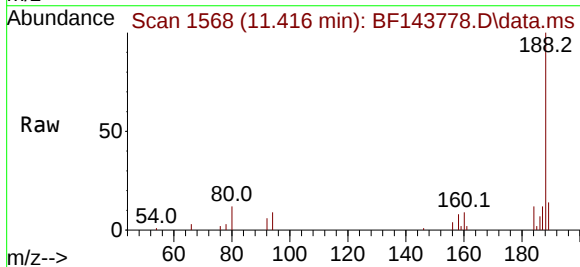
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB169672BL

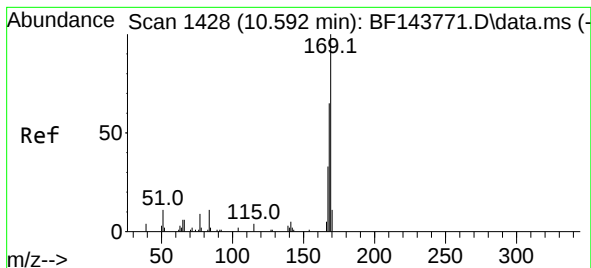
Tgt Ion:166 Resp: 438  
 Ion Ratio Lower Upper  
 166 100  
 165 97.2 77.8 116.8  
 167 0.0 11.6 17.4#



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.416 min Scan# 1568  
 Delta R.T. -0.012 min  
 Lab File: BF143778.D  
 Acq: 16 Sep 2025 17:51

Tgt Ion:188 Resp: 14319  
 Ion Ratio Lower Upper  
 188 100  
 94 8.7 7.5 11.3  
 80 12.4 8.6 13.0





#66

n-Nitrosodiphenylamine

Concen: 0.414 ng

RT: 10.722 min Scan# 14

Delta R.T. 0.124 min

Lab File: BF143778.D

Acq: 16 Sep 2025 17:51

Instrument :

BNA\_F

ClientSampleId :

PB169672BL

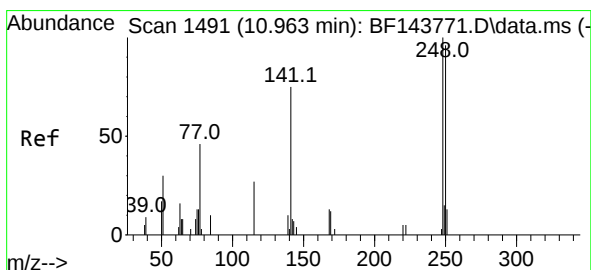
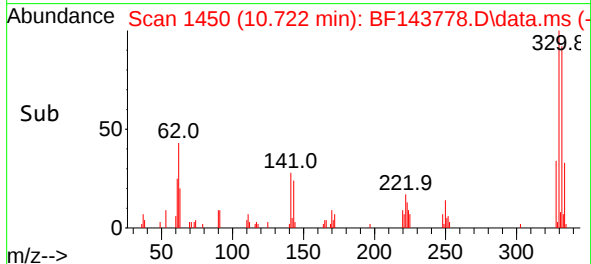
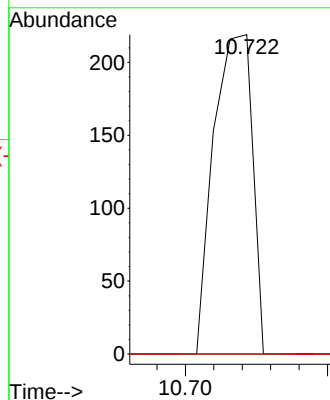
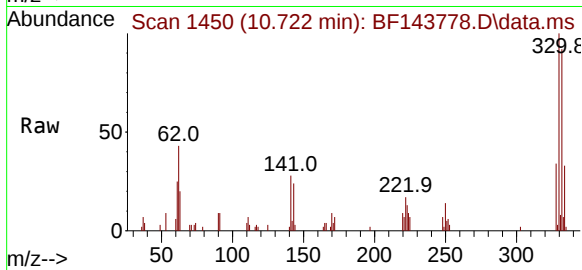
Tgt Ion:169 Resp: 207

Ion Ratio Lower Upper

169 100

168 0.0 52.2 78.2#

167 0.0 26.6 40.0#



#67

4-Bromophenyl-phenylether

Concen: 4.313 ng

RT: 10.722 min Scan# 1450

Delta R.T. -0.247 min

Lab File: BF143778.D

Acq: 16 Sep 2025 17:51

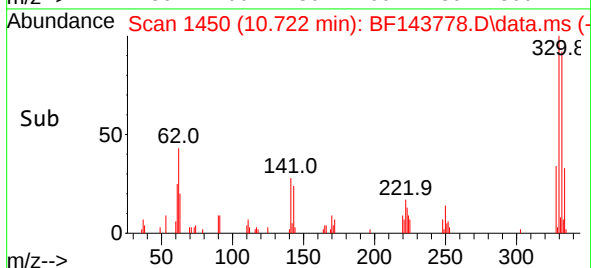
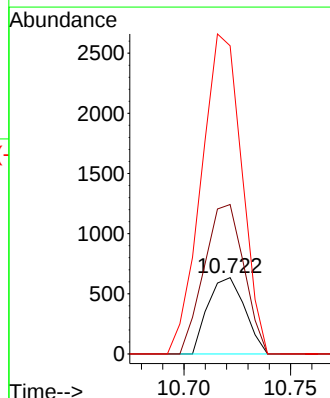
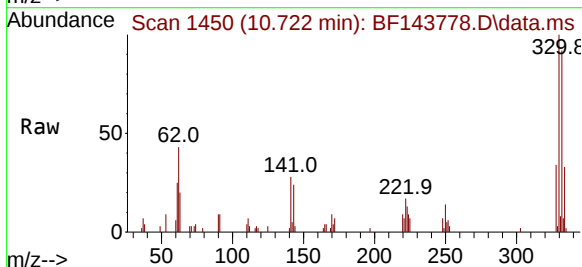
Tgt Ion:248 Resp: 763

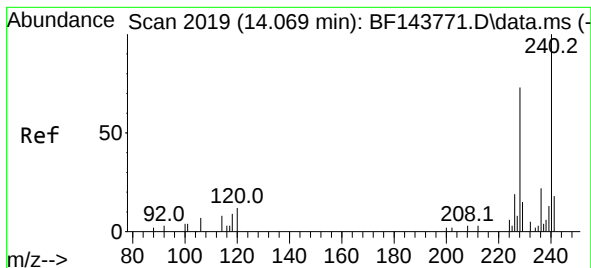
Ion Ratio Lower Upper

248 100

250 195.9 76.9 115.3#

141 404.1 60.3 90.5#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF143778.D

Acq: 16 Sep 2025 17:51

Instrument :

BNA\_F

ClientSampleId :

PB169672BL

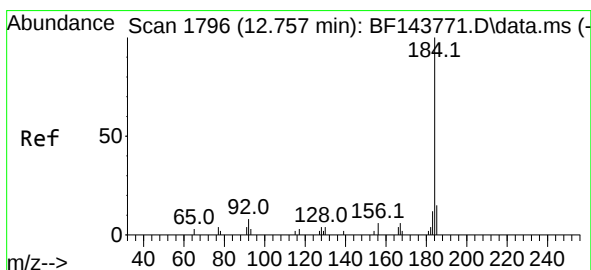
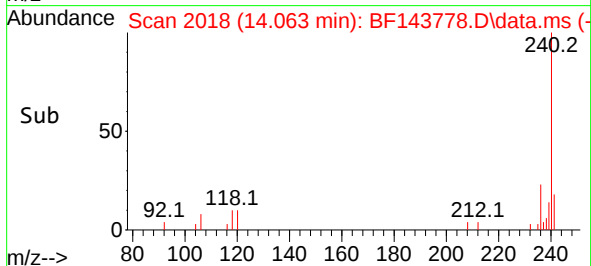
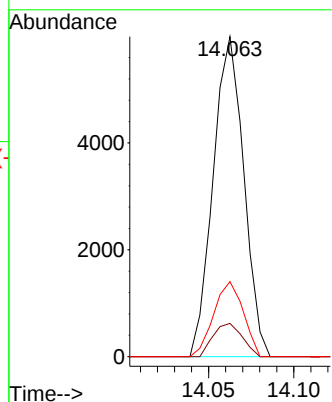
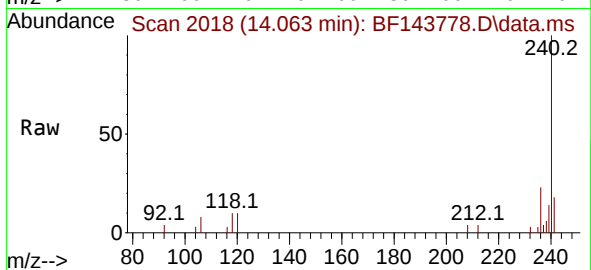
Tgt Ion:240 Resp: 7484

Ion Ratio Lower Upper

240 100

120 10.4 9.3 13.9

236 23.5 17.7 26.5



#77

Benzidine

Concen: 2.108 ng

RT: 13.010 min Scan# 1839

Delta R.T. 0.253 min

Lab File: BF143778.D

Acq: 16 Sep 2025 17:51

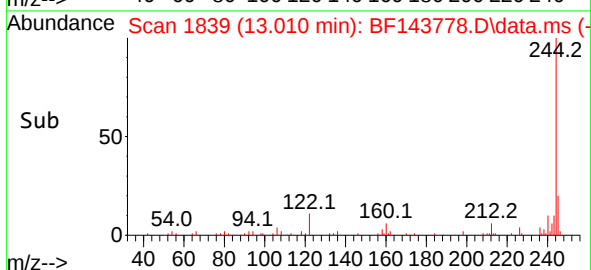
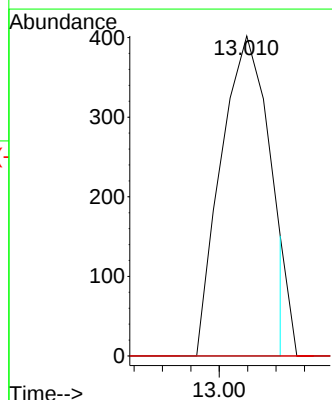
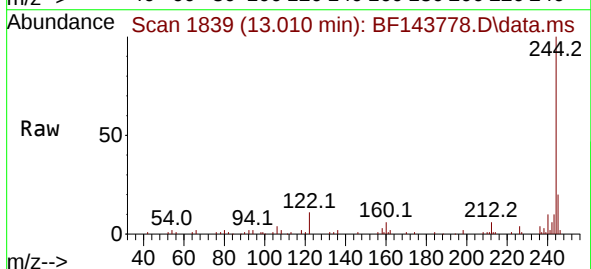
Tgt Ion:184 Resp: 488

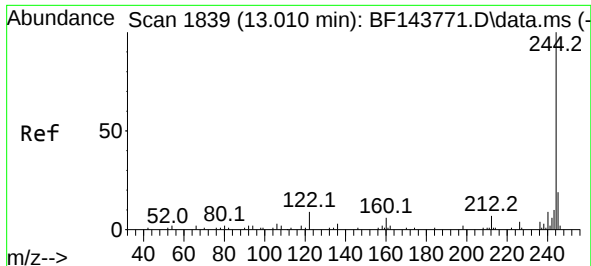
Ion Ratio Lower Upper

184 100

185 0.0 11.8 17.8#

183 0.0 9.7 14.5#

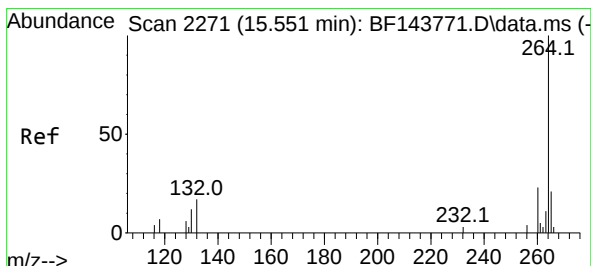
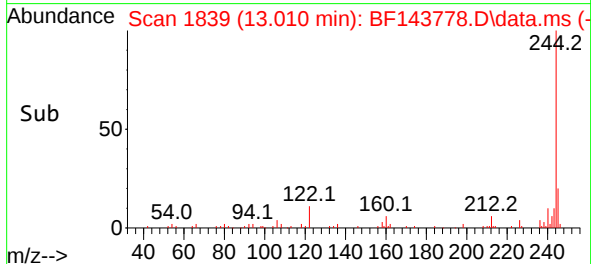
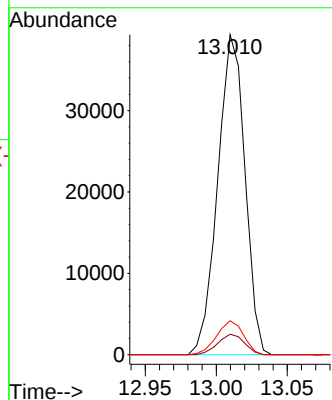
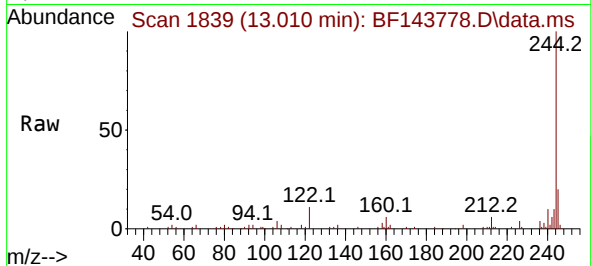




#79  
Terphenyl-d14  
Concen: 108.912 ng  
RT: 13.010 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF143778.D  
Acq: 16 Sep 2025 17:51

Instrument :  
BNA\_F  
ClientSampleId :  
PB169672BL

Tgt Ion:244 Resp: 52335  
Ion Ratio Lower Upper  
244 100  
212 6.4 5.2 7.8  
122 10.6 7.6 11.4



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.545 min Scan# 2270  
Delta R.T. -0.012 min  
Lab File: BF143778.D  
Acq: 16 Sep 2025 17:51

Tgt Ion:264 Resp: 5255  
Ion Ratio Lower Upper  
264 100  
260 23.1 18.6 27.8  
265 24.9 16.9 25.3

