

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN110725\  
 Data File : BN038159.D  
 Acq On : 07 Nov 2025 17:58  
 Operator : RC/JU  
 Sample : Q3534-07  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MW-EB-3

Quant Time: Nov 08 03:05:06 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN102825.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 29 13:09:46 2025  
 Response via : Initial Calibration

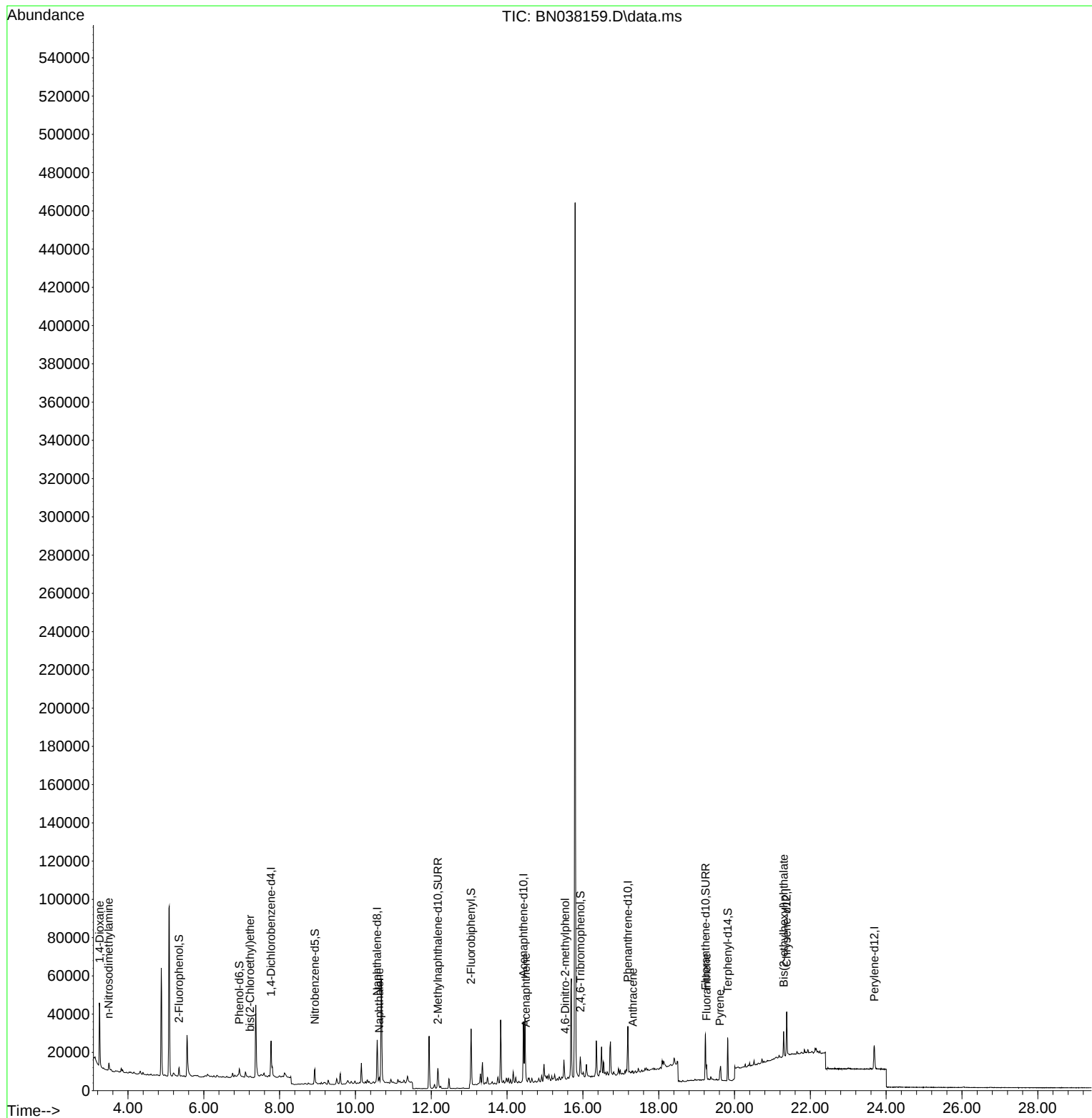
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.775  | 152  | 9137     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.573 | 136  | 30158    | 0.400 | ng    | # 0.00   |
| 13) Acenaphthene-d10          | 14.430 | 164  | 18614    | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.186 | 188  | 32744    | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.375 | 240  | 18258    | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 23.686 | 264  | 17319    | 0.400 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.348  | 112  | 3536     | 0.164 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.937  | 99   | 3445     | 0.131 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.929  | 82   | 6804     | 0.280 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.172 | 152  | 12636    | 0.293 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.932 | 330  | 3294     | 0.430 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.051 | 172  | 23012    | 0.309 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.234 | 212  | 25680    | 0.311 | ng    | 0.01     |
| 31) Terphenyl-d14             | 19.819 | 244  | 21461    | 0.541 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
|                               |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.254  | 88   | 21027    | 2.227 | ng    | 99       |
| 3) n-Nitrosodimethylamine     | 3.492  | 42   | 1303     | 0.107 | ng    | # 1      |
| 6) bis(2-Chloroethyl)ether    | 7.219  | 93   | 537      | 0.021 | ng    | # 24     |
| 9) Naphthalene                | 10.626 | 128  | 3732     | 0.045 | ng    | # 88     |
| 17) Acenaphthene              | 14.494 | 154  | 1942     | 0.033 | ng    | # 80     |
| 20) 4,6-Dinitro-2-methylph... | 15.535 | 198  | 44       | 0.190 | ng    | # 1      |
| 26) Anthracene                | 17.322 | 178  | 1917     | 0.021 | ng    | # 79     |
| 28) Fluoranthene              | 19.262 | 202  | 5681     | 0.049 | ng    | # 88     |
| 30) Pyrene                    | 19.615 | 202  | 4139     | 0.050 | ng    | # 77     |
| 34) Bis(2-ethylhexyl)phtha... | 21.295 | 149  | 12875    | 0.375 | ng    | 97       |
| -----                         |        |      |          |       |       |          |

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

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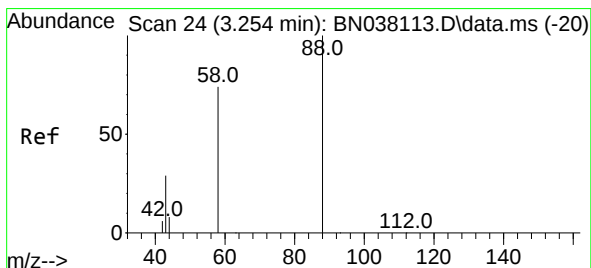
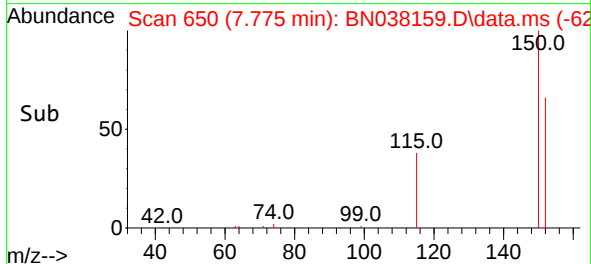
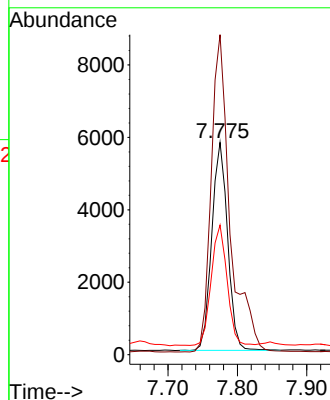
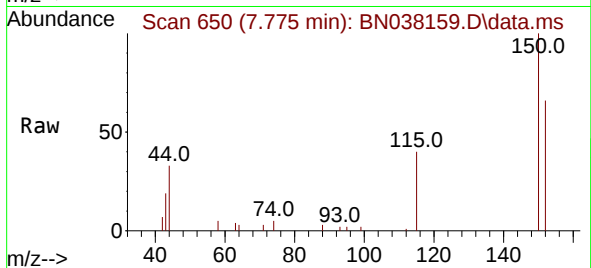




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.775 min Scan# 61  
 Delta R.T. -0.000 min  
 Lab File: BN038159.D  
 Acq: 07 Nov 2025 17:58

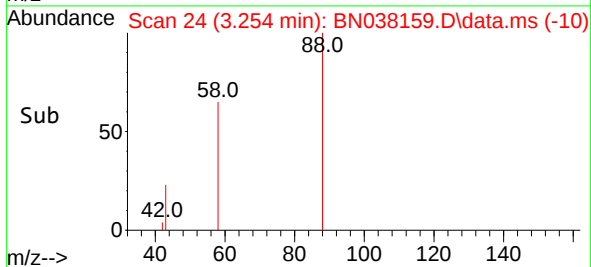
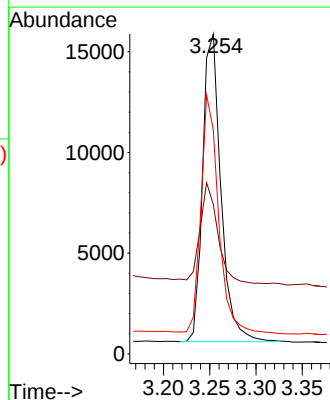
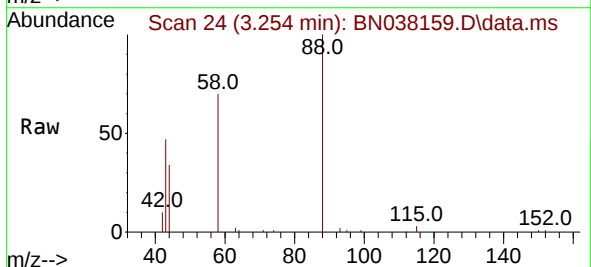
Instrument :  
 BNA\_N  
 ClientSampleId :  
 MW-EB-3

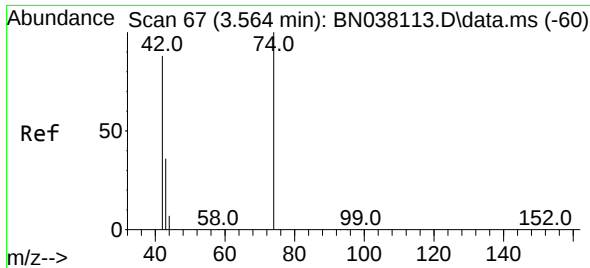
Tgt Ion:152 Resp: 9137  
 Ion Ratio Lower Upper  
 152 100  
 150 150.8 122.3 183.5  
 115 61.0 47.4 71.0



#2  
 1,4-Dioxane  
 Concen: 2.227 ng  
 RT: 3.254 min Scan# 24  
 Delta R.T. 0.000 min  
 Lab File: BN038159.D  
 Acq: 07 Nov 2025 17:58

Tgt Ion: 88 Resp: 21027  
 Ion Ratio Lower Upper  
 88 100  
 43 32.5 24.3 36.5  
 58 75.1 60.4 90.6





#3

n-Nitrosodimethylamine

Concen: 0.107 ng

RT: 3.492 min Scan# 51

Delta R.T. -0.065 min

Lab File: BN038159.D

Acq: 07 Nov 2025 17:58

Instrument :

BNA\_N

ClientSampleId :

MW-EB-3

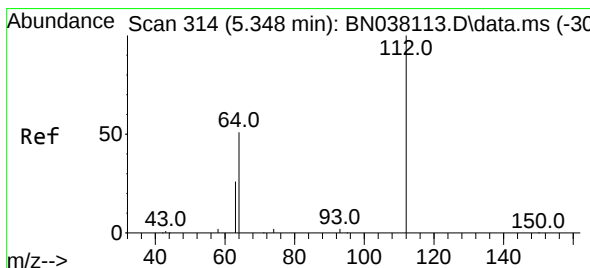
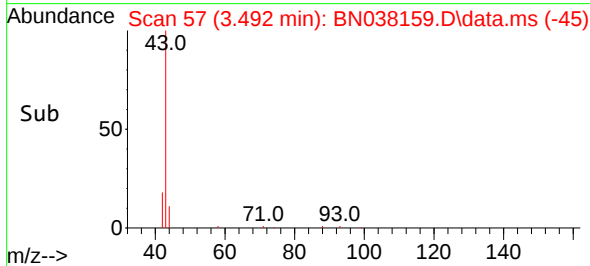
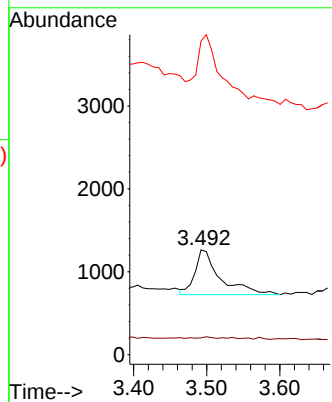
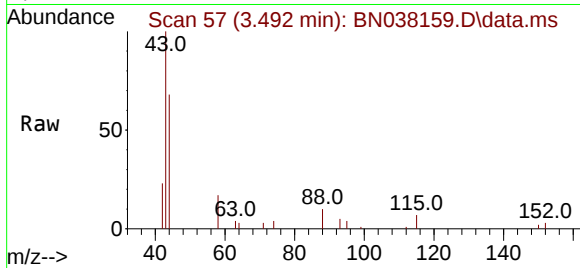
Tgt Ion: 42 Resp: 1303

Ion Ratio Lower Upper

42 100

74 1.3 96.8 145.2#

44 161.6 5.3 7.9#



#4

2-Fluorophenol

Concen: 0.164 ng

RT: 5.348 min Scan# 314

Delta R.T. 0.000 min

Lab File: BN038159.D

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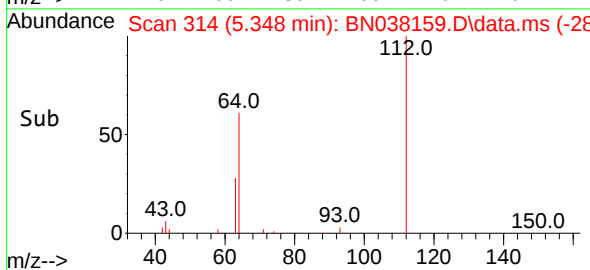
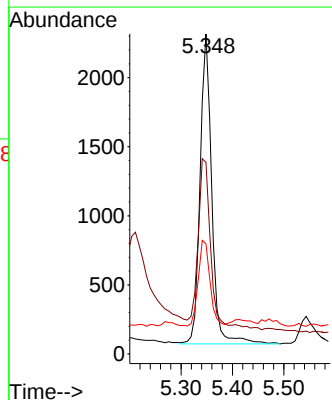
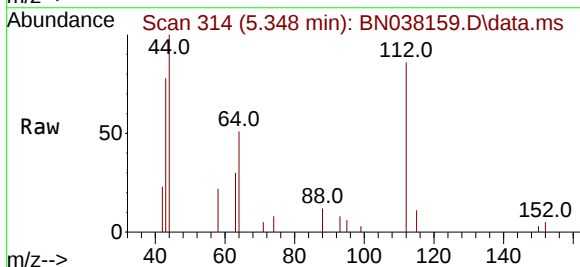
Tgt Ion: 112 Resp: 3536

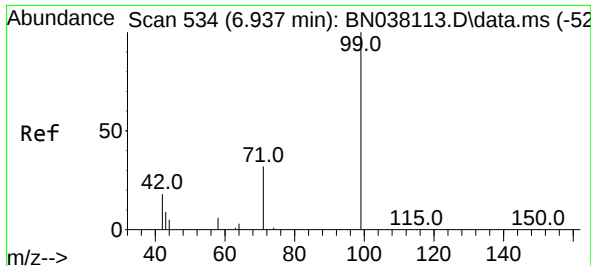
Ion Ratio Lower Upper

112 100

64 64.2 45.4 68.0

63 28.2 23.2 34.8

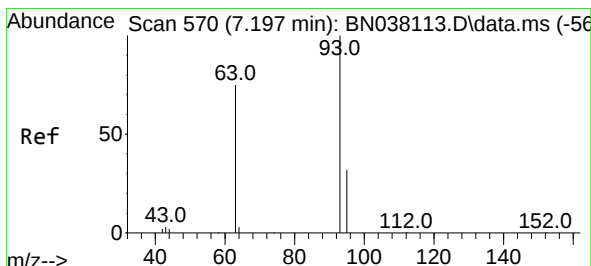
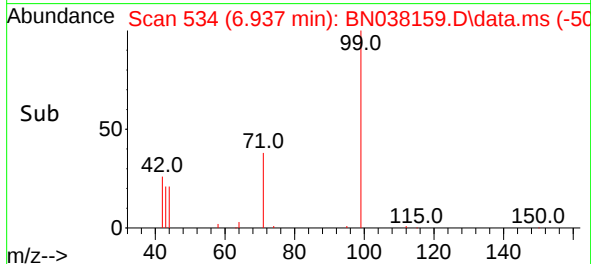
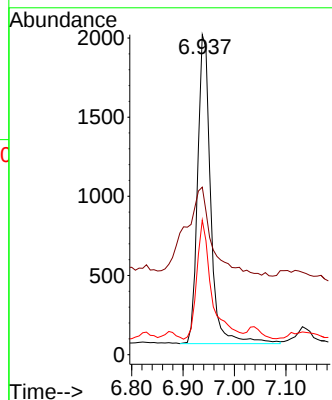
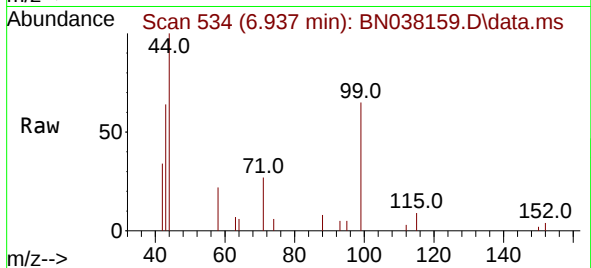




#5  
Phenol-d6  
Concen: 0.131 ng  
RT: 6.937 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: BN038159.D  
Acq: 07 Nov 2025 17:58

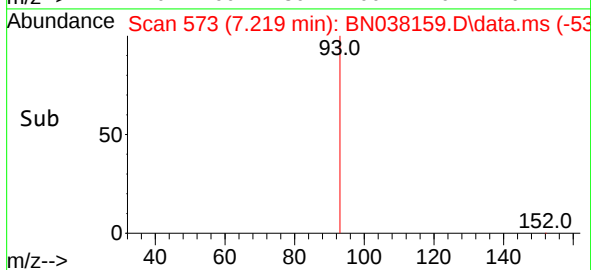
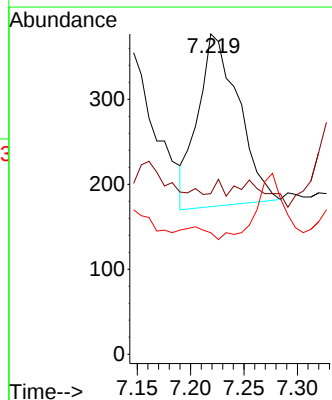
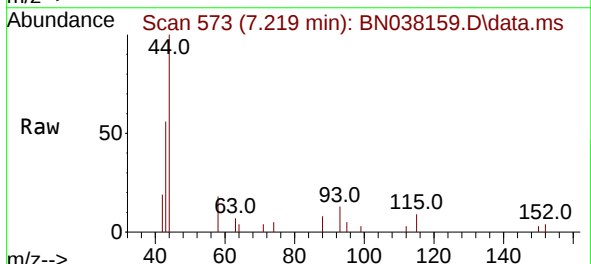
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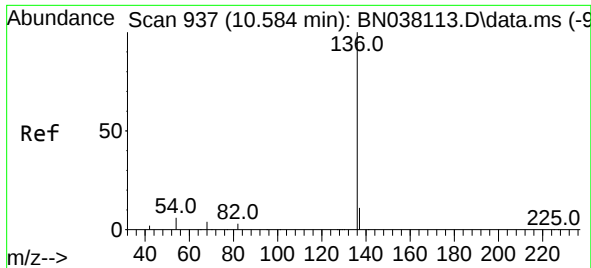
Tgt Ion: 99 Resp: 3445  
Ion Ratio Lower Upper  
99 100  
42 59.6 16.6 24.8#  
71 43.7 25.4 38.2#



#6  
bis(2-Chloroethyl)ether  
Concen: 0.021 ng  
RT: 7.219 min Scan# 573  
Delta R.T. 0.022 min  
Lab File: BN038159.D  
Acq: 07 Nov 2025 17:58

Tgt Ion: 93 Resp: 537  
Ion Ratio Lower Upper  
93 100  
63 0.0 59.3 88.9#  
95 4.7 25.2 37.8#

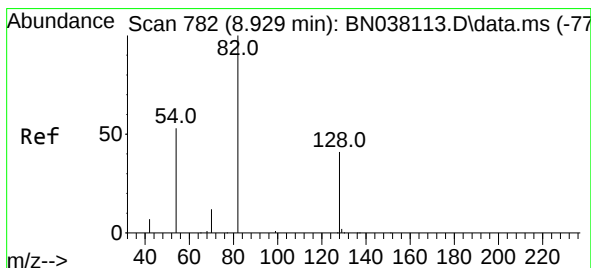
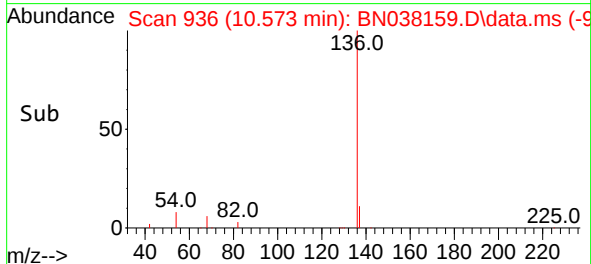
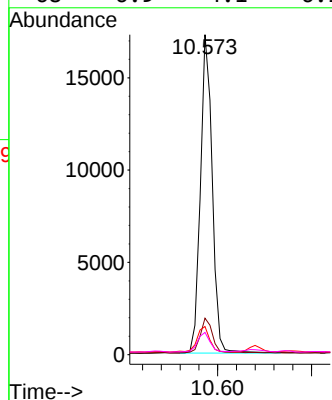
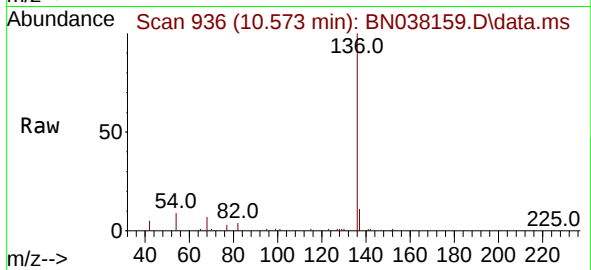




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.573 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: BN038159.D  
Acq: 07 Nov 2025 17:58

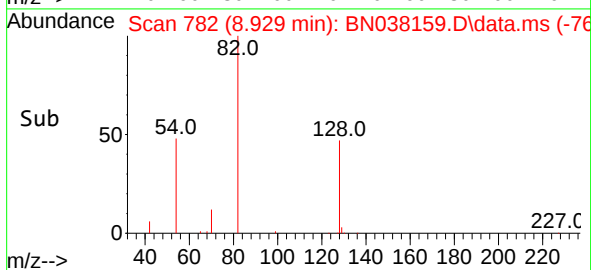
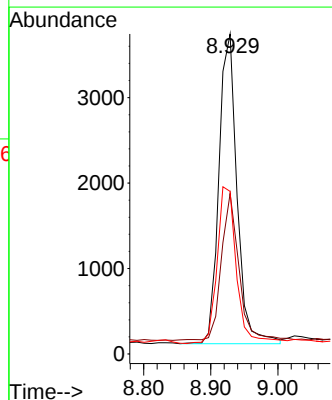
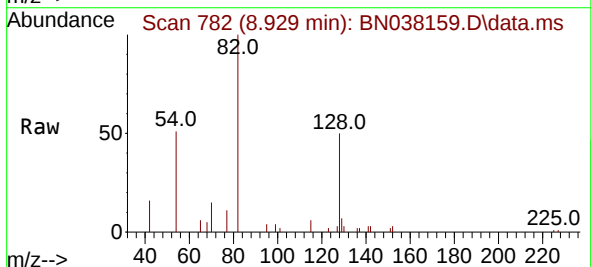
Instrument :  
BNA\_N  
ClientSampleId :  
MW-EB-3

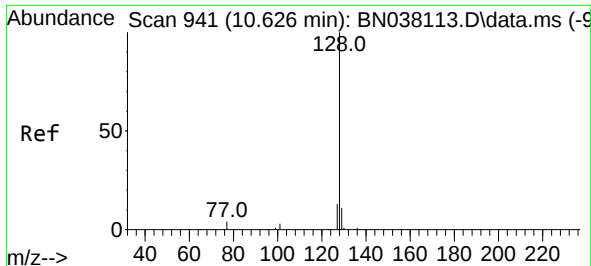
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 136   | Resp: | 30158 |
| Ion Ratio | Lower | Upper |       |
| 136       | 100   |       |       |
| 137       | 11.4  | 9.0   | 13.4  |
| 54        | 8.8   | 5.2   | 7.8#  |
| 68        | 6.9   | 4.1   | 6.1#  |



#8  
Nitrobenzene-d5  
Concen: 0.280 ng  
RT: 8.929 min Scan# 782  
Delta R.T. 0.000 min  
Lab File: BN038159.D  
Acq: 07 Nov 2025 17:58

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 82    | Resp: | 6804 |
| Ion Ratio | Lower | Upper |      |
| 82        | 100   |       |      |
| 128       | 50.1  | 34.1  | 51.1 |
| 54        | 50.8  | 43.5  | 65.3 |

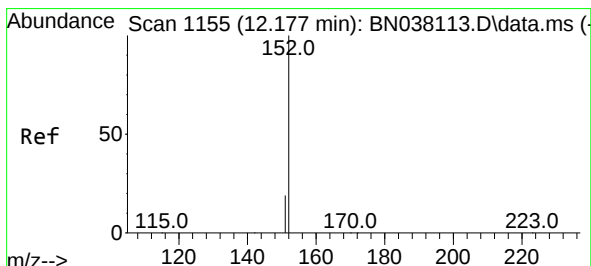
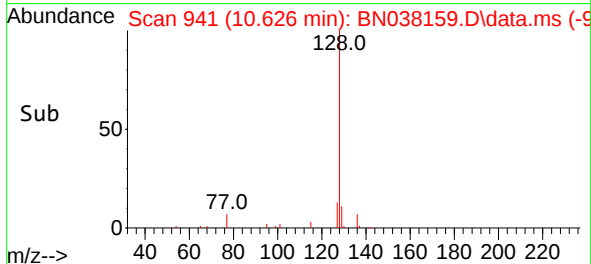
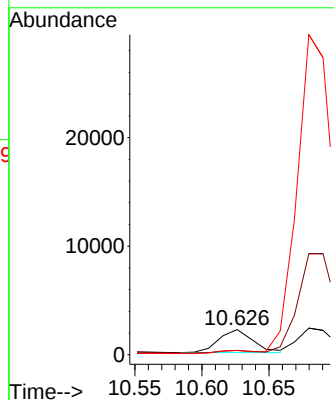
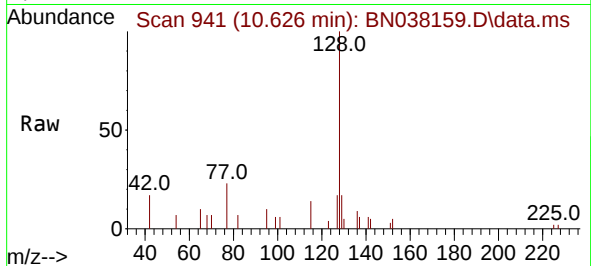




#9  
Naphthalene  
Concen: 0.045 ng  
RT: 10.626 min Scan# 941  
Delta R.T. 0.000 min  
Lab File: BN038159.D  
Acq: 07 Nov 2025 17:58

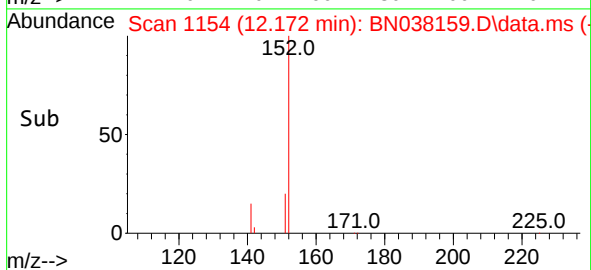
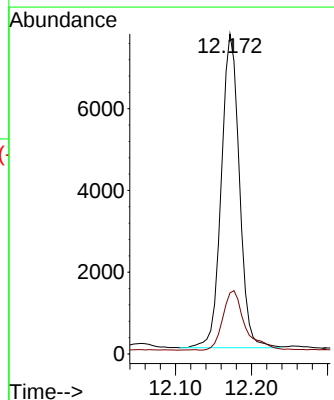
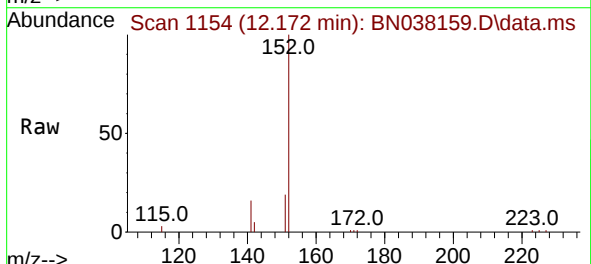
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ClientSampleId :  
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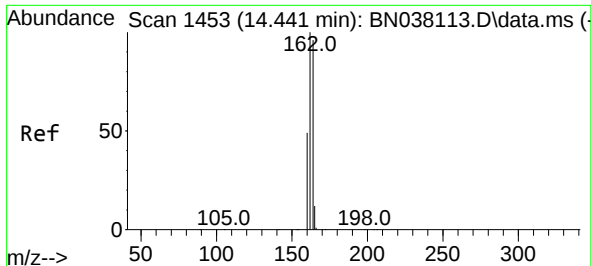
Tgt Ion:128 Resp: 3732  
Ion Ratio Lower Upper  
128 100  
129 17.0 9.1 13.7#  
127 16.7 10.5 15.7#



#11  
2-Methylnaphthalene-d10  
Concen: 0.293 ng  
RT: 12.172 min Scan# 1154  
Delta R.T. -0.005 min  
Lab File: BN038159.D  
Acq: 07 Nov 2025 17:58

Tgt Ion:152 Resp: 12636  
Ion Ratio Lower Upper  
152 100  
151 23.4 16.8 25.2

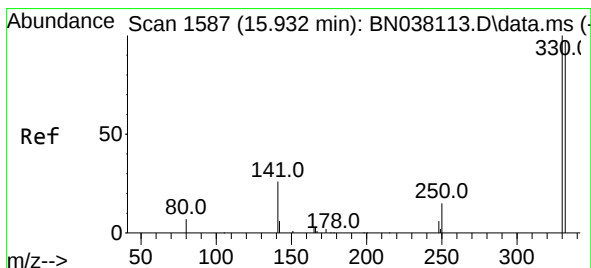
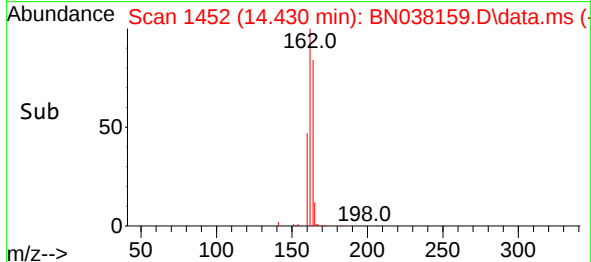
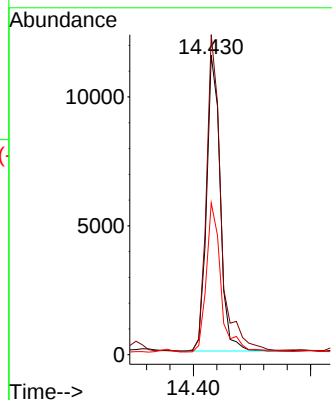
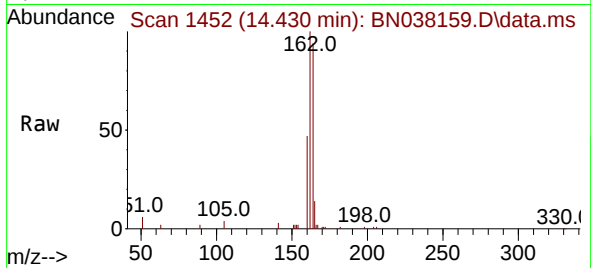




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.430 min Scan# 14  
Delta R.T. -0.000 min  
Lab File: BN038159.D  
Acq: 07 Nov 2025 17:58

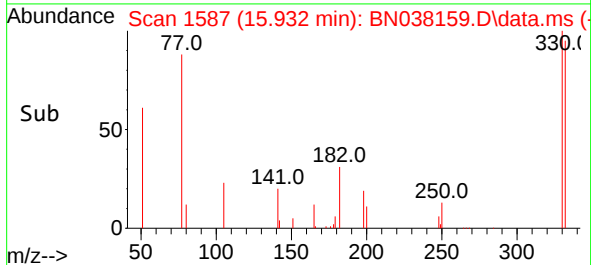
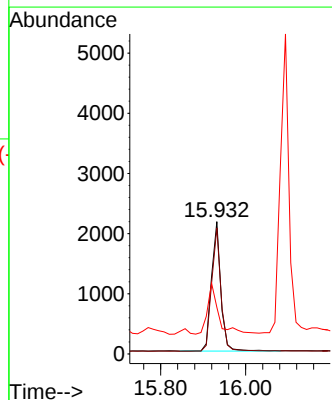
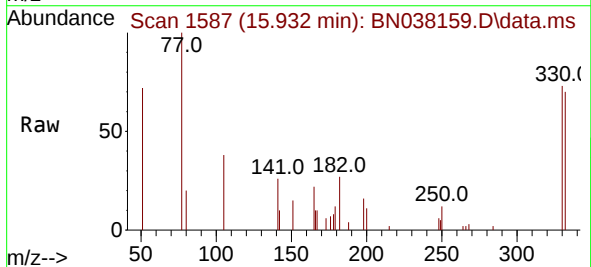
Instrument :  
BNA\_N  
ClientSampleId :  
MW-EB-3

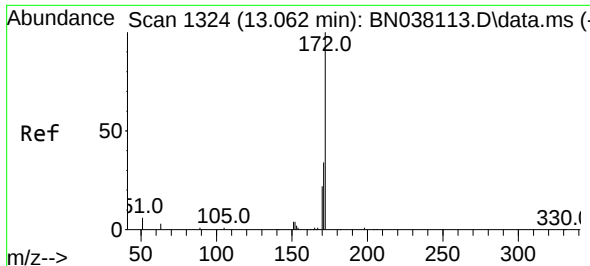
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Ion Ratio Lower Upper  
164 100  
162 106.9 83.0 124.4  
160 50.7 40.7 61.1



#14  
2,4,6-Tribromophenol  
Concen: 0.430 ng  
RT: 15.932 min Scan# 1587  
Delta R.T. 0.000 min  
Lab File: BN038159.D  
Acq: 07 Nov 2025 17:58

Tgt Ion:330 Resp: 3294  
Ion Ratio Lower Upper  
330 100  
332 94.8 76.6 114.8  
141 46.2 34.1 51.1

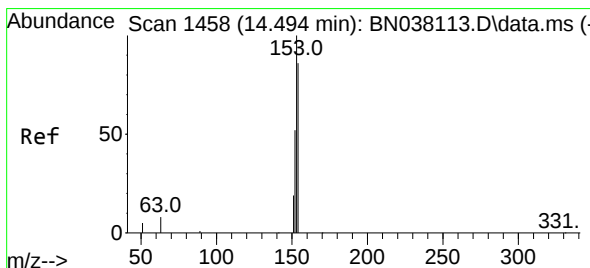
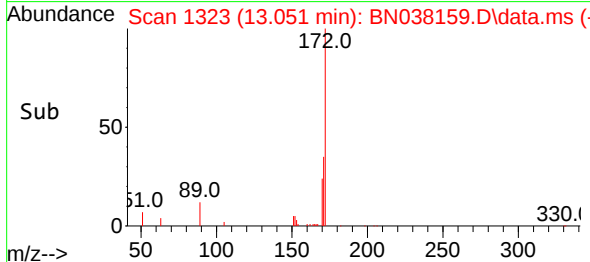
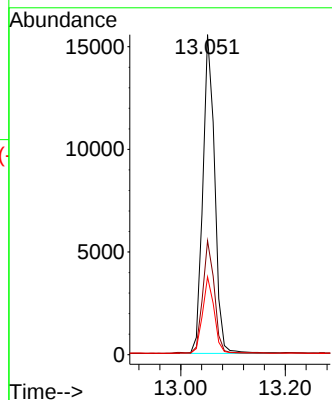
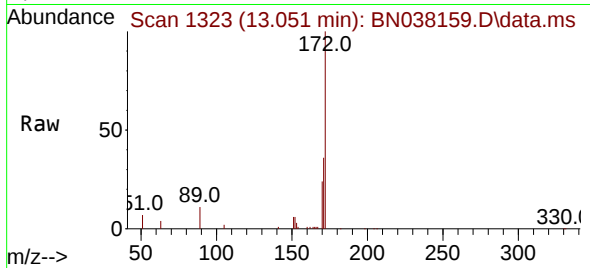




#15  
2-Fluorobiphenyl  
Concen: 0.309 ng  
RT: 13.051 min Scan# 1323  
Delta R.T. 0.000 min  
Lab File: BN038159.D  
Acq: 07 Nov 2025 17:58

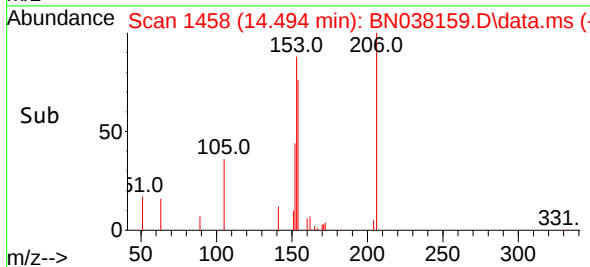
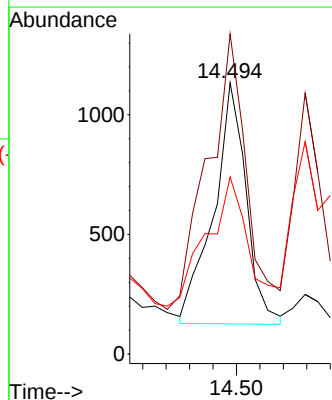
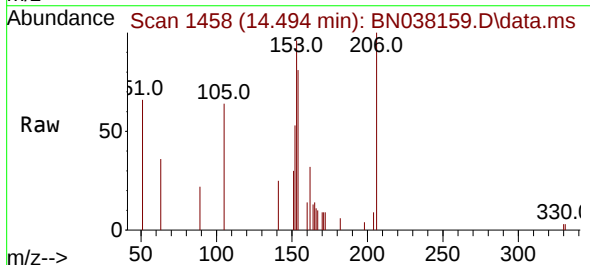
Instrument :  
BNA\_N  
ClientSampleId :  
MW-EB-3

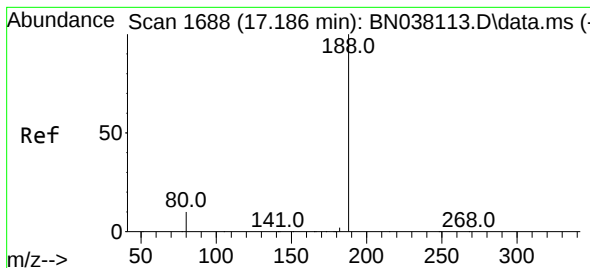
Tgt Ion:172 Resp: 23012  
Ion Ratio Lower Upper  
172 100  
171 35.6 27.8 41.6  
170 24.3 18.1 27.1



#17  
Acenaphthene  
Concen: 0.033 ng  
RT: 14.494 min Scan# 1458  
Delta R.T. 0.000 min  
Lab File: BN038159.D  
Acq: 07 Nov 2025 17:58

Tgt Ion:154 Resp: 1942  
Ion Ratio Lower Upper  
154 100  
153 134.7 90.0 135.0  
152 73.1 47.3 70.9





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.186 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN038159.D

Acq: 07 Nov 2025 17:58

Instrument :

BNA\_N

ClientSampleId :

MW-EB-3

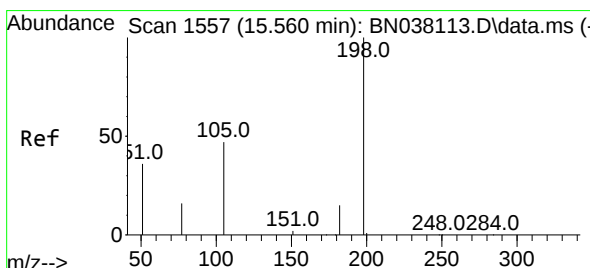
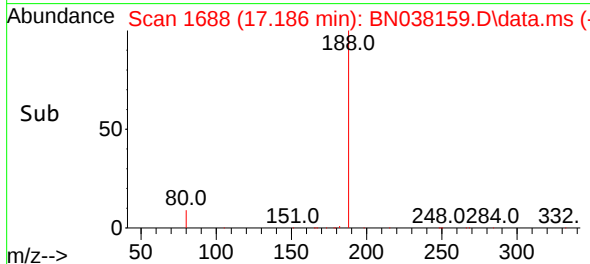
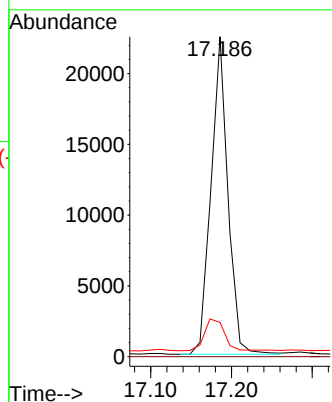
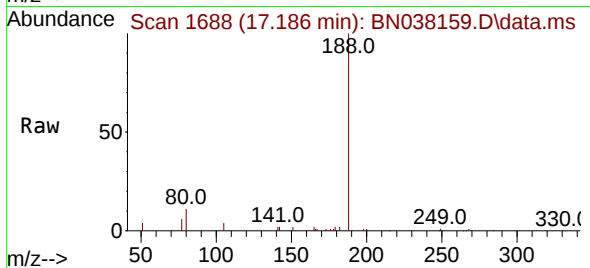
Tgt Ion:188 Resp: 32744

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.7 8.6 13.0



#20

4,6-Dinitro-2-methylphenol

Concen: 0.190 ng

RT: 15.535 min Scan# 1555

Delta R.T. -0.025 min

Lab File: BN038159.D

Acq: 07 Nov 2025 17:58

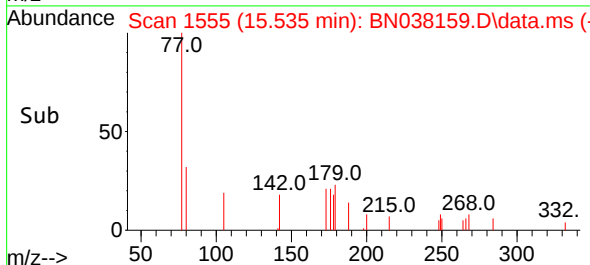
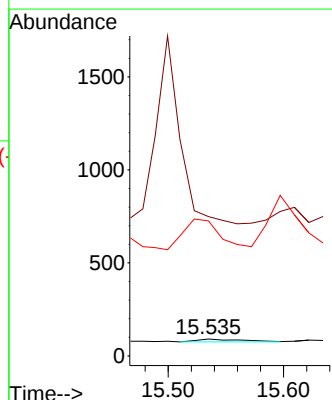
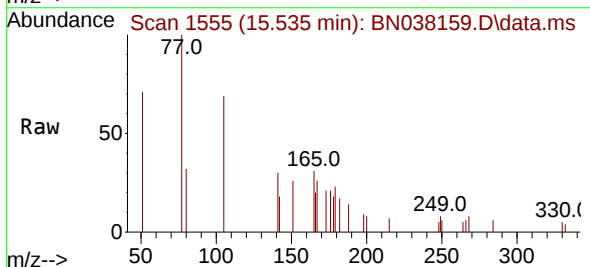
Tgt Ion:198 Resp: 44

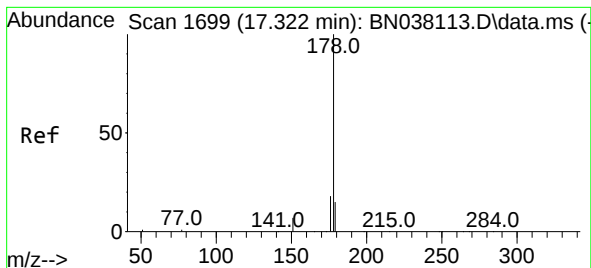
Ion Ratio Lower Upper

198 100

51 823.1 88.9 133.3#

105 797.8 49.2 73.8#





#26

Anthracene

Concen: 0.021 ng

RT: 17.322 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN038159.D

Acq: 07 Nov 2025 17:58

Instrument :

BNA\_N

ClientSampleId :

MW-EB-3

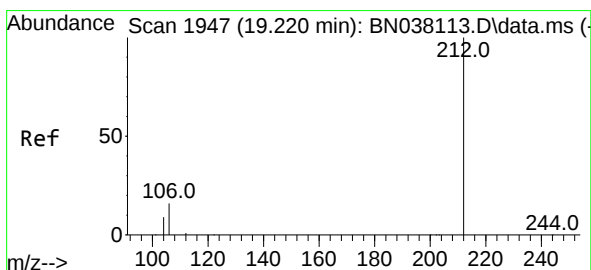
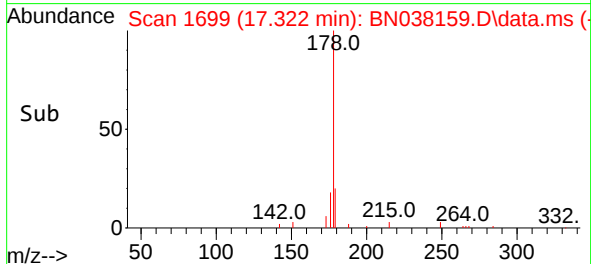
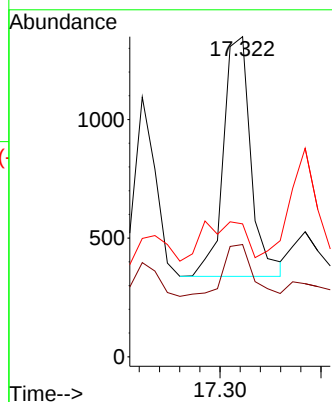
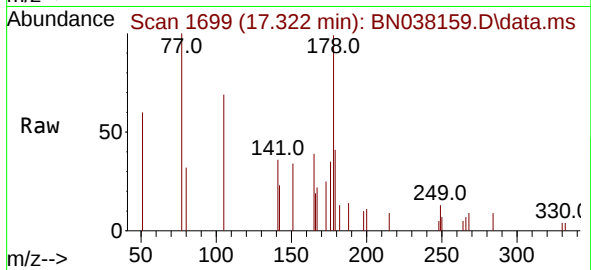
Tgt Ion:178 Resp: 1917

Ion Ratio Lower Upper

178 100

176 22.9 14.9 22.3#

179 0.0 11.8 17.8#



#27

Fluoranthene-d10

Concen: 0.311 ng

RT: 19.234 min Scan# 1950

Delta R.T. 0.014 min

Lab File: BN038159.D

Acq: 07 Nov 2025 17:58

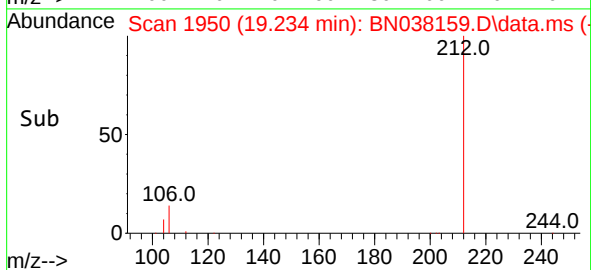
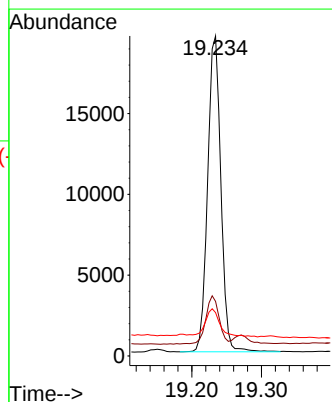
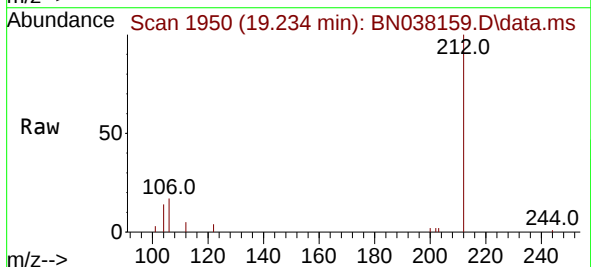
Tgt Ion:212 Resp: 25680

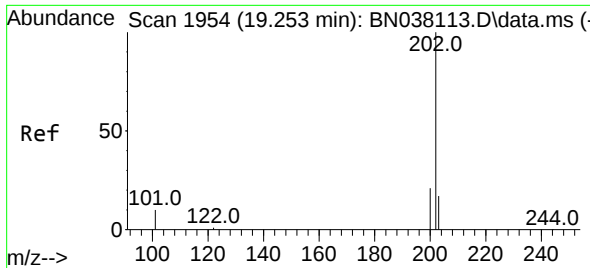
Ion Ratio Lower Upper

212 100

106 15.6 12.6 19.0

104 10.0 7.1 10.7

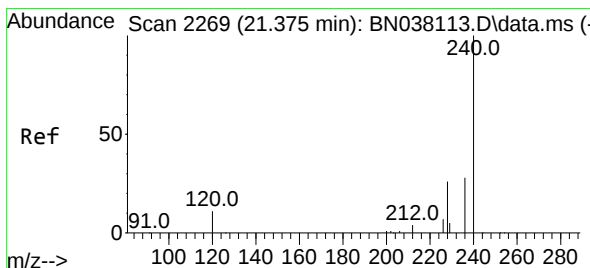
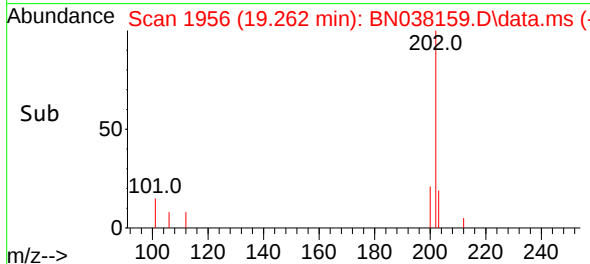
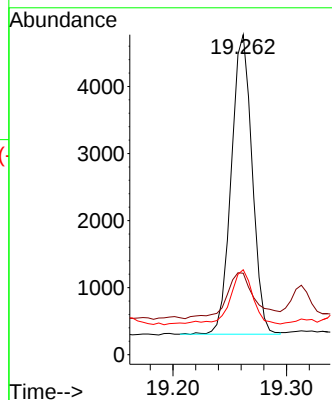
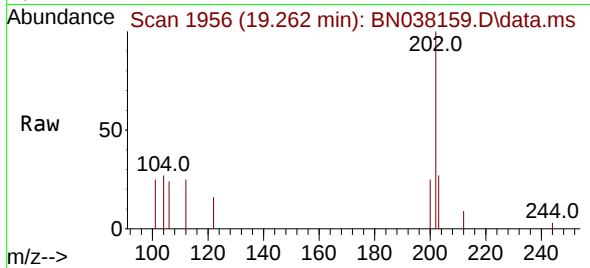




#28  
Fluoranthene  
Concen: 0.049 ng  
RT: 19.262 min Scan# 1956  
Delta R.T. 0.009 min  
Lab File: BN038159.D  
Acq: 07 Nov 2025 17:58

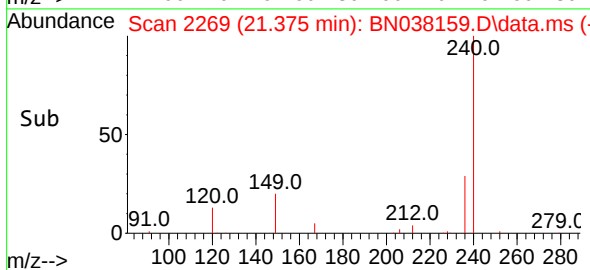
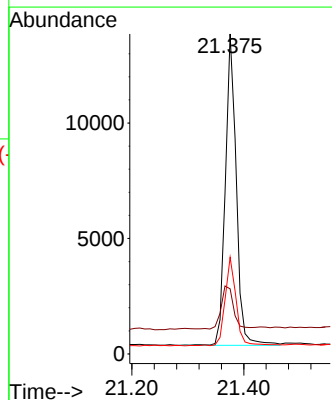
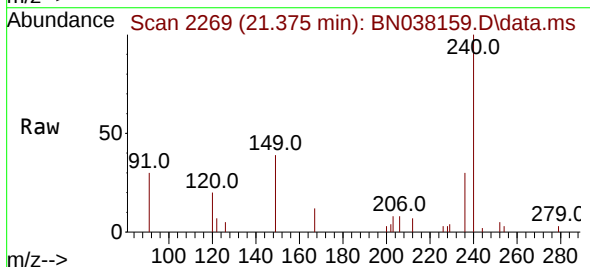
Instrument :  
BNA\_N  
ClientSampleId :  
MW-EB-3

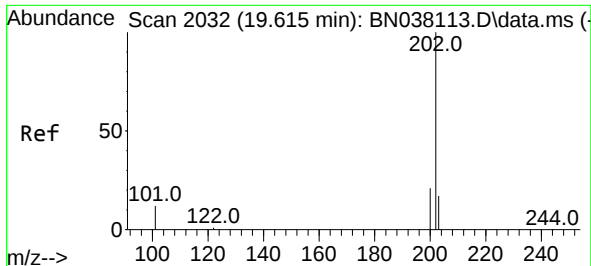
Tgt Ion:202 Resp: 5681  
Ion Ratio Lower Upper  
202 100  
101 21.1 9.4 14.2#  
203 18.4 13.4 20.2



#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.375 min Scan# 2269  
Delta R.T. -0.000 min  
Lab File: BN038159.D  
Acq: 07 Nov 2025 17:58

Tgt Ion:240 Resp: 18258  
Ion Ratio Lower Upper  
240 100  
120 20.3 10.7 16.1#  
236 30.2 23.1 34.7

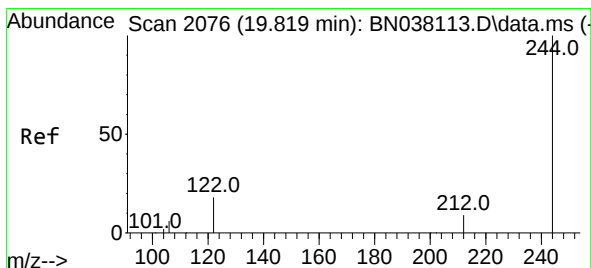
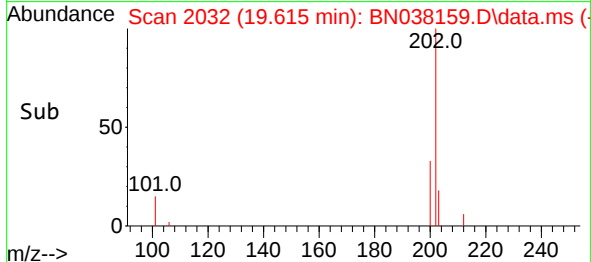
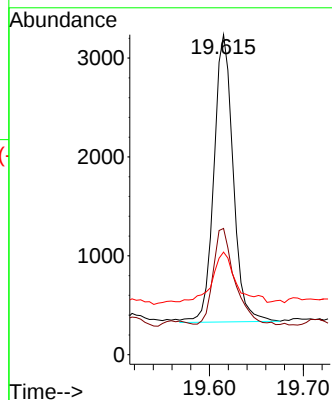
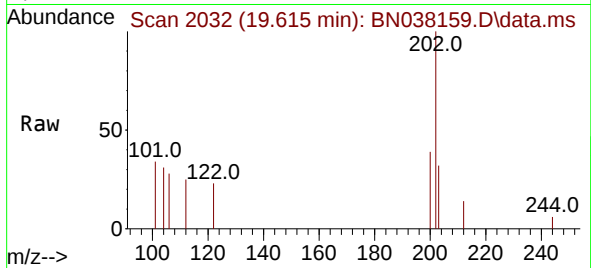




#30  
Pyrene  
Concen: 0.050 ng  
RT: 19.615 min Scan# 2032  
Delta R.T. 0.005 min  
Lab File: BN038159.D  
Acq: 07 Nov 2025 17:58

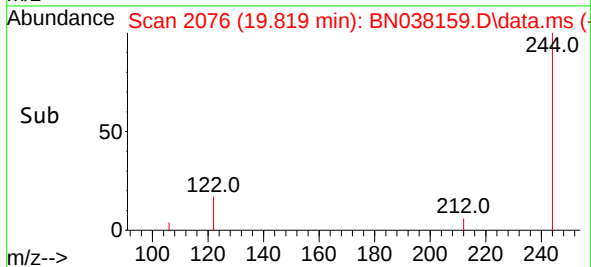
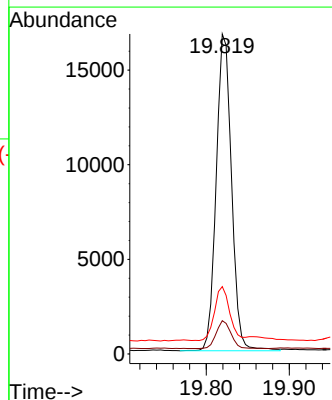
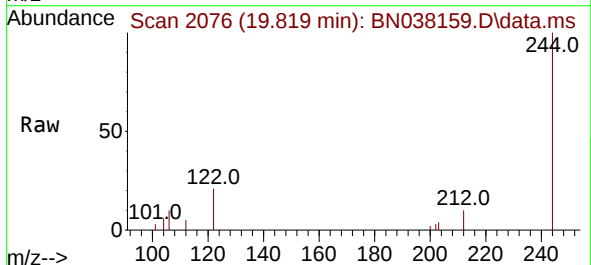
Instrument :  
BNA\_N  
ClientSampleId :  
MW-EB-3

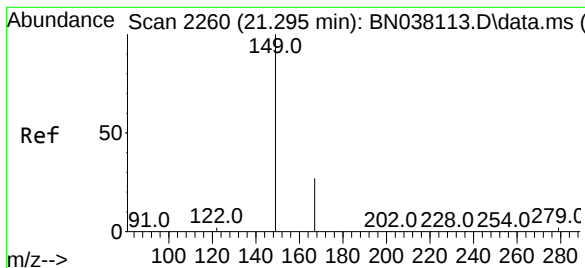
Tgt Ion:202 Resp: 4139  
Ion Ratio Lower Upper  
202 100  
200 39.0 16.7 25.1#  
203 20.1 14.2 21.2



#31  
Terphenyl-d14  
Concen: 0.541 ng  
RT: 19.819 min Scan# 2076  
Delta R.T. 0.000 min  
Lab File: BN038159.D  
Acq: 07 Nov 2025 17:58

Tgt Ion:244 Resp: 21461  
Ion Ratio Lower Upper  
244 100  
212 10.4 7.8 11.6  
122 21.0 15.2 22.8

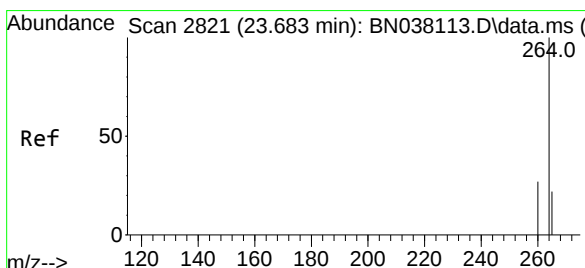
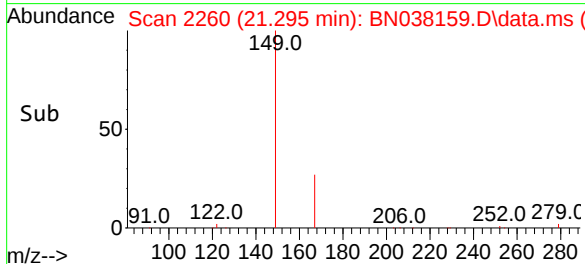
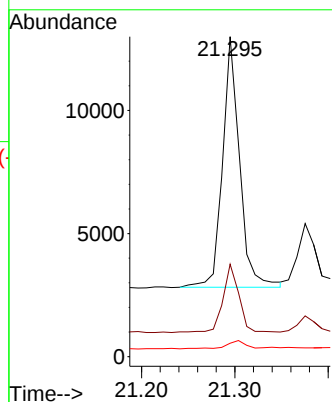
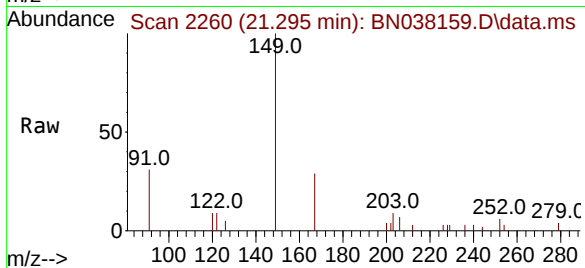




#34  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.375 ng  
 RT: 21.295 min Scan# 2126  
 Delta R.T. 0.000 min  
 Lab File: BN038159.D  
 Acq: 07 Nov 2025 17:58

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MW-EB-3

Tgt Ion:149 Resp: 12875  
 Ion Ratio Lower Upper  
 149 100  
 167 24.6 21.1 31.7  
 279 3.8 2.9 4.3



#35  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.686 min Scan# 2822  
 Delta R.T. 0.006 min  
 Lab File: BN038159.D  
 Acq: 07 Nov 2025 17:58

Tgt Ion:264 Resp: 17319  
 Ion Ratio Lower Upper  
 264 100  
 260 27.4 21.8 32.8  
 265 96.5 68.6 102.8

