

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN110725\  
 Data File : BN038157.D  
 Acq On : 07 Nov 2025 16:46  
 Operator : RC/JU  
 Sample : Q3534-04  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MW-5

Quant Time: Nov 07 17:16:31 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

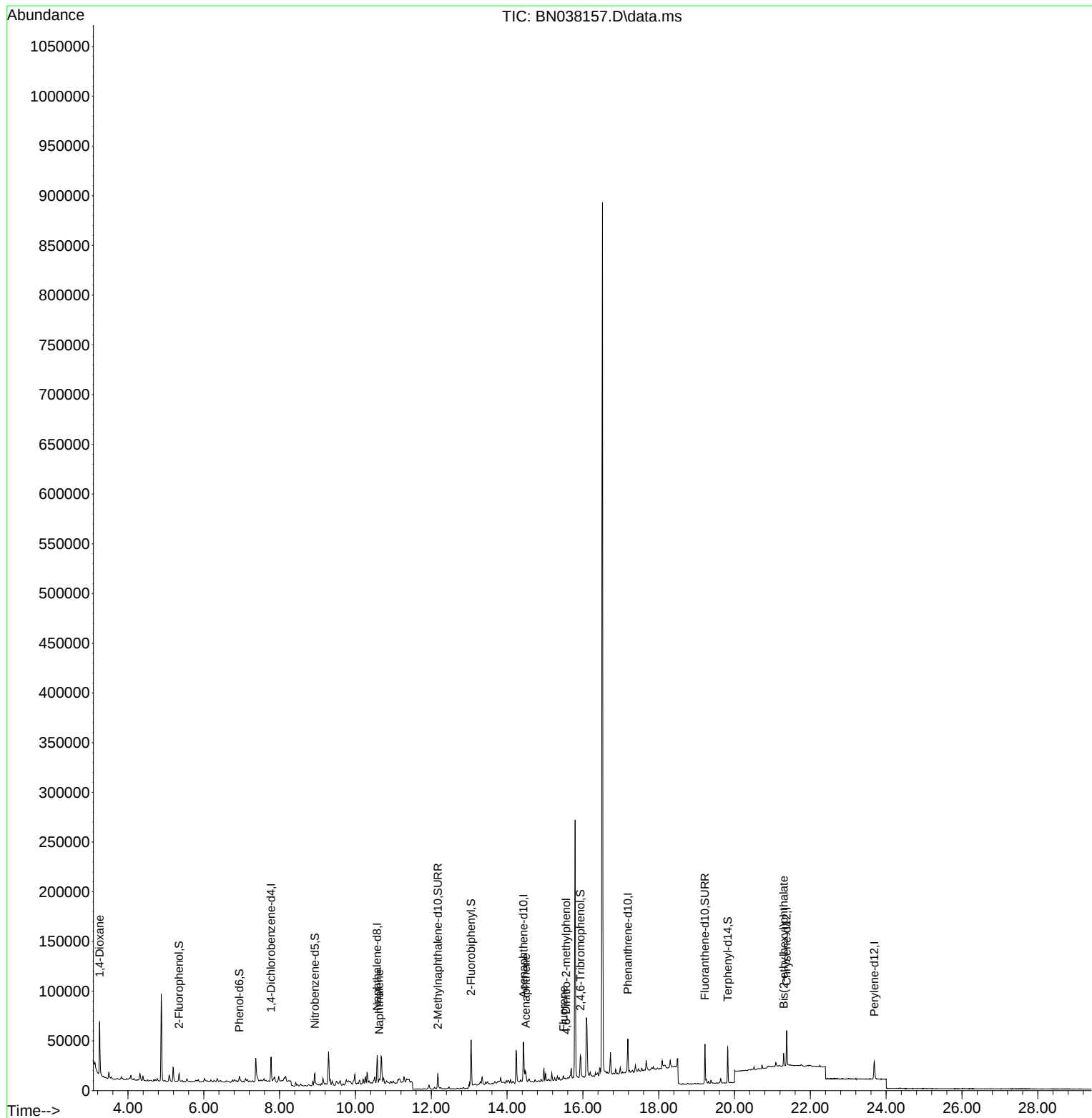
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.775  | 152  | 11219    | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.573 | 136  | 37220    | 0.400 | ng    | # 0.00   |
| 13) Acenaphthene-d10          | 14.430 | 164  | 24015    | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.186 | 188  | 44332    | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.375 | 240  | 29531    | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 23.686 | 264  | 25013    | 0.400 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.348  | 112  | 5831     | 0.221 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.937  | 99   | 4653     | 0.145 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.929  | 82   | 11062    | 0.368 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.172 | 152  | 18993    | 0.357 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.932 | 330  | 4812     | 0.486 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.051 | 172  | 34356    | 0.357 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.220 | 212  | 42091    | 0.377 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.819 | 244  | 34611    | 0.539 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
|                               |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.254  | 88   | 36486    | 3.148 | ng    | 98       |
| 9) Naphthalene                | 10.626 | 128  | 4483     | 0.044 | ng    | # 81     |
| 17) Acenaphthene              | 14.495 | 154  | 4765     | 0.063 | ng    | 96       |
| 18) Fluorene                  | 15.489 | 166  | 2498     | 0.025 | ng    | # 90     |
| 20) 4,6-Dinitro-2-methylph... | 15.560 | 198  | 53       | 0.190 | ng    | # 1      |
| 34) Bis(2-ethylhexyl)phtha... | 21.295 | 149  | 12122    | 0.218 | ng    | 98       |
| -----                         |        |      |          |       |       |          |

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

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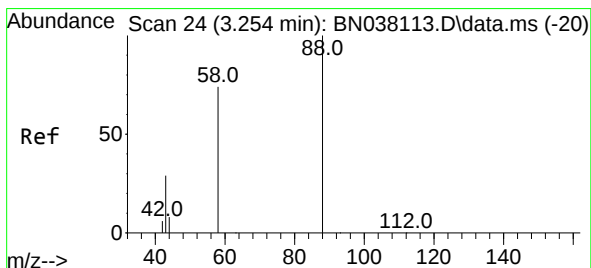
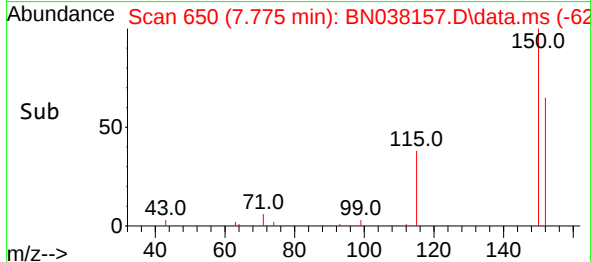
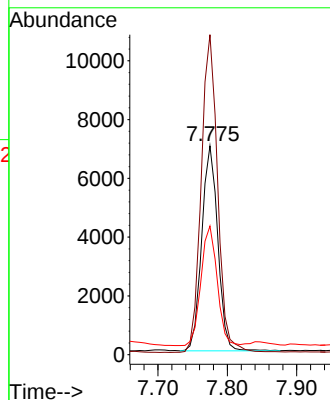
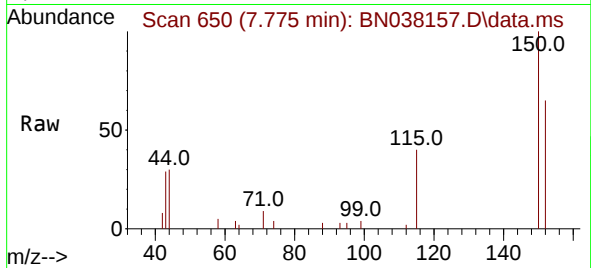




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.775 min Scan# 61  
 Delta R.T. -0.000 min  
 Lab File: BN038157.D  
 Acq: 07 Nov 2025 16:46

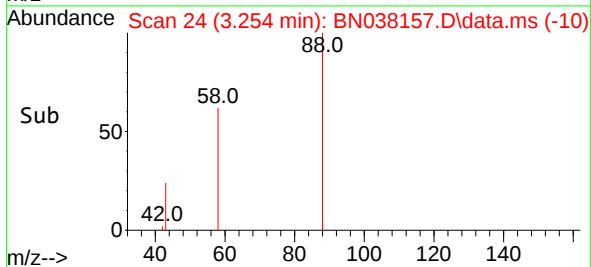
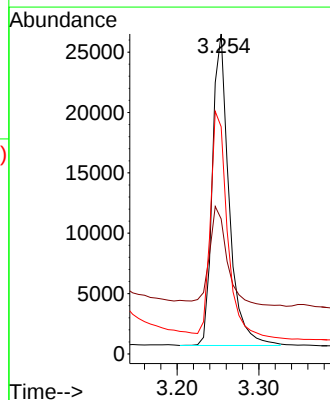
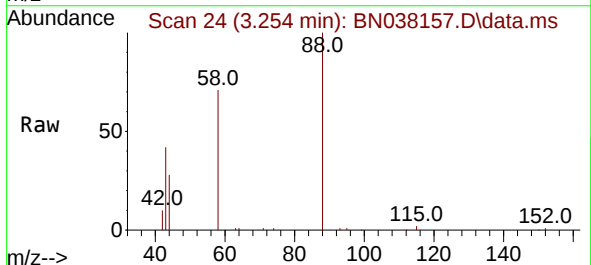
Instrument :  
 BNA\_N  
 ClientSampleId :  
 MW-5

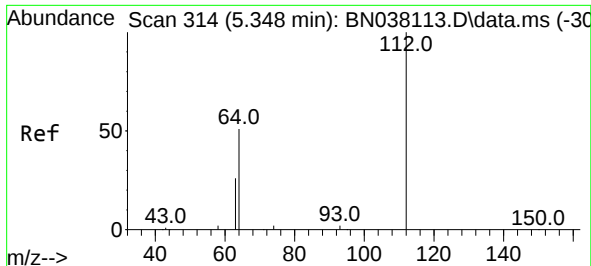
Tgt Ion:152 Resp: 11219  
 Ion Ratio Lower Upper  
 152 100  
 150 153.2 122.3 183.5  
 115 61.6 47.4 71.0



#2  
 1,4-Dioxane  
 Concen: 3.148 ng  
 RT: 3.254 min Scan# 24  
 Delta R.T. 0.000 min  
 Lab File: BN038157.D  
 Acq: 07 Nov 2025 16:46

Tgt Ion: 88 Resp: 36486  
 Ion Ratio Lower Upper  
 88 100  
 43 33.5 24.3 36.5  
 58 75.1 60.4 90.6

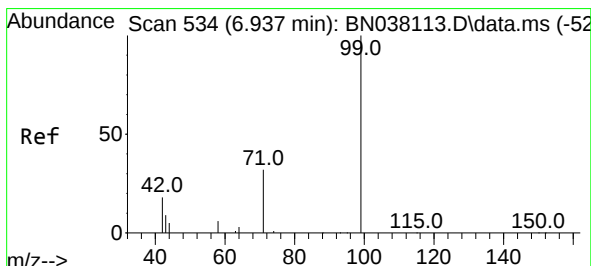
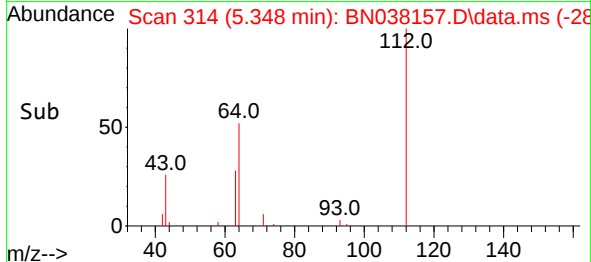
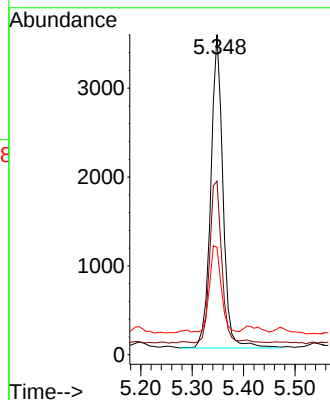
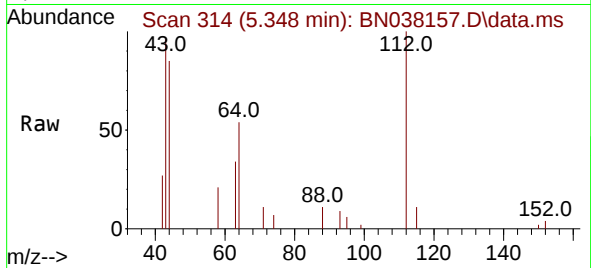




#4  
2-Fluorophenol  
Concen: 0.221 ng  
RT: 5.348 min Scan# 314  
Delta R.T. 0.000 min  
Lab File: BN038157.D  
Acq: 07 Nov 2025 16:46

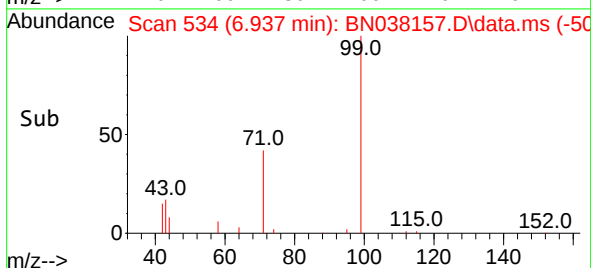
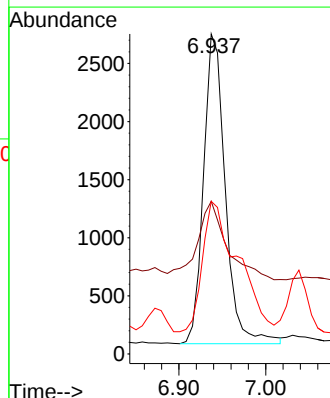
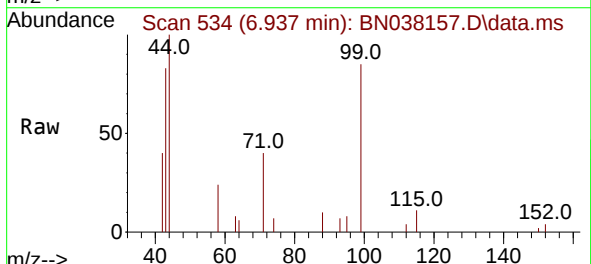
Instrument :  
BNA\_N  
ClientSampleId :  
MW-5

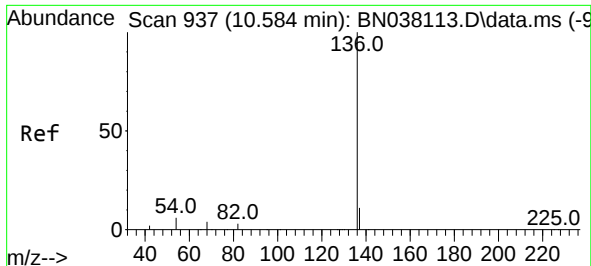
Tgt Ion: 112 Resp: 5831  
Ion Ratio Lower Upper  
112 100  
64 50.1 45.4 68.0  
63 27.4 23.2 34.8



#5  
Phenol-d6  
Concen: 0.145 ng  
RT: 6.937 min Scan# 534  
Delta R.T. 0.000 min  
Lab File: BN038157.D  
Acq: 07 Nov 2025 16:46

Tgt Ion: 99 Resp: 4653  
Ion Ratio Lower Upper  
99 100  
42 34.8 16.6 24.8#  
71 70.5 25.4 38.2#

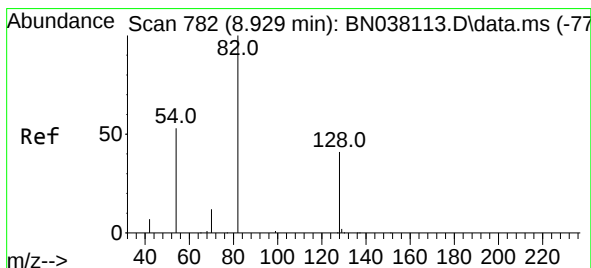
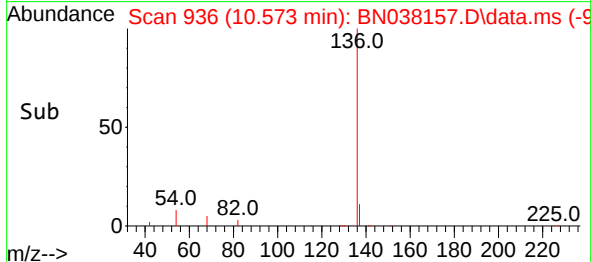
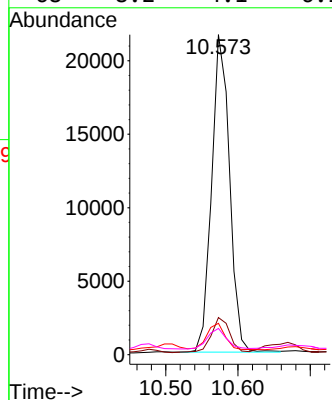
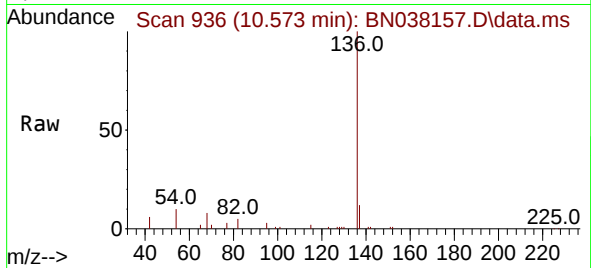




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.573 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: BN038157.D  
Acq: 07 Nov 2025 16:46

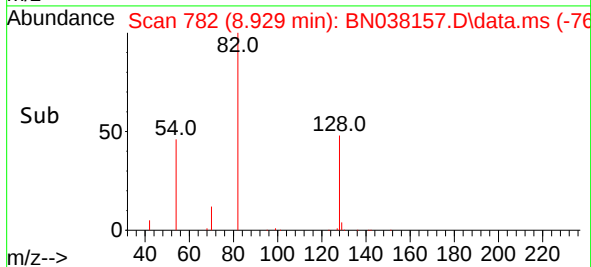
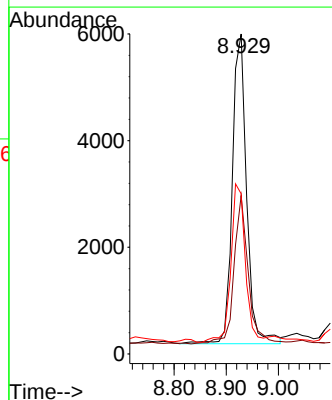
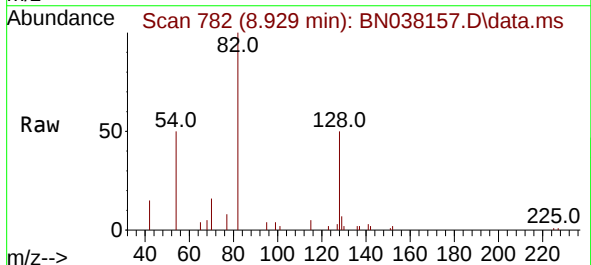
Instrument :  
BNA\_N  
ClientSampleId :  
MW-5

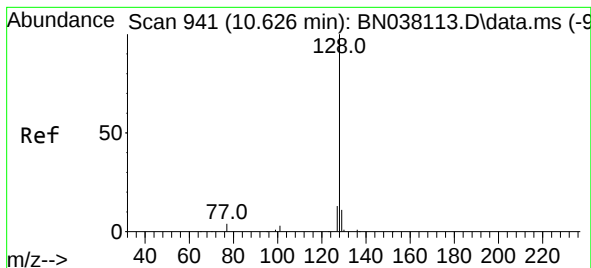
Tgt Ion:136 Resp: 37220  
Ion Ratio Lower Upper  
136 100  
137 11.6 9.0 13.4  
54 9.8 5.2 7.8#  
68 8.2 4.1 6.1#



#8  
Nitrobenzene-d5  
Concen: 0.368 ng  
RT: 8.929 min Scan# 782  
Delta R.T. 0.000 min  
Lab File: BN038157.D  
Acq: 07 Nov 2025 16:46

Tgt Ion: 82 Resp: 11062  
Ion Ratio Lower Upper  
82 100  
128 49.5 34.1 51.1  
54 50.1 43.5 65.3





#9

Naphthalene

Concen: 0.044 ng

RT: 10.626 min Scan# 941

Delta R.T. 0.000 min

Lab File: BN038157.D

Acq: 07 Nov 2025 16:46

Instrument :

BNA\_N

ClientSampleId :

MW-5

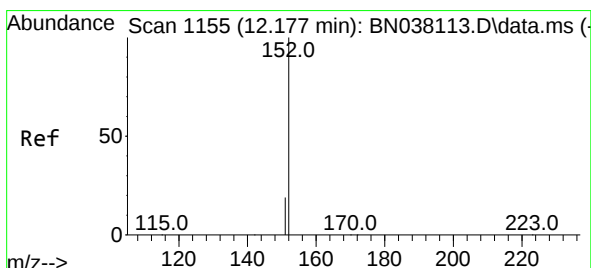
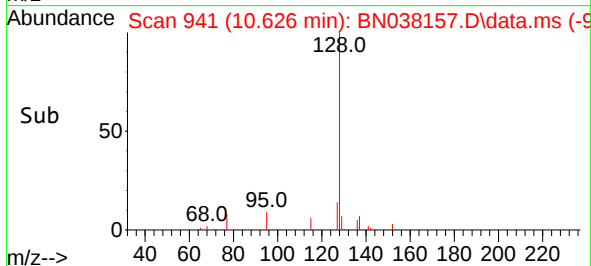
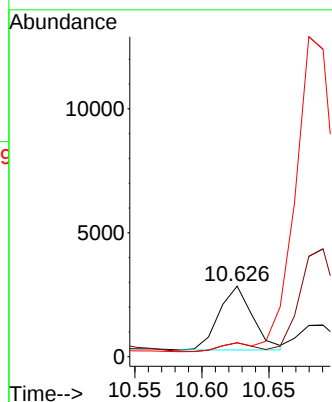
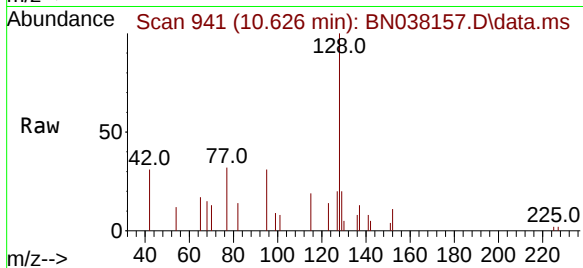
Tgt Ion:128 Resp: 4483

Ion Ratio Lower Upper

128 100

129 19.7 9.1 13.7#

127 19.8 10.5 15.7#



#11

2-Methylnaphthalene-d10

Concen: 0.357 ng

RT: 12.172 min Scan# 1154

Delta R.T. -0.005 min

Lab File: BN038157.D

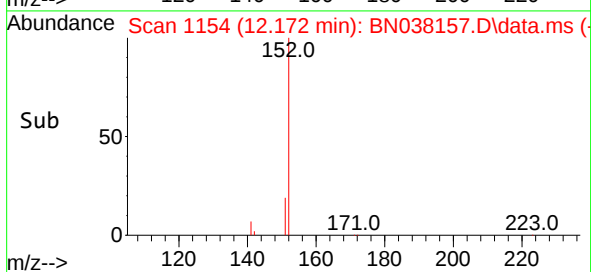
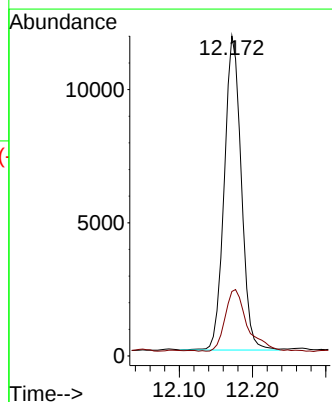
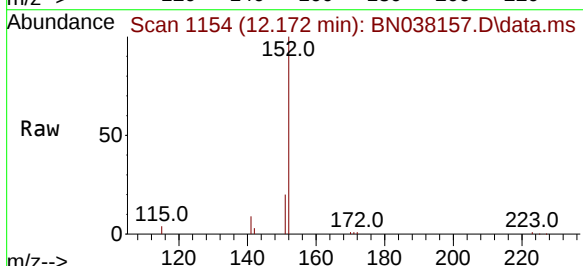
Acq: 07 Nov 2025 16:46

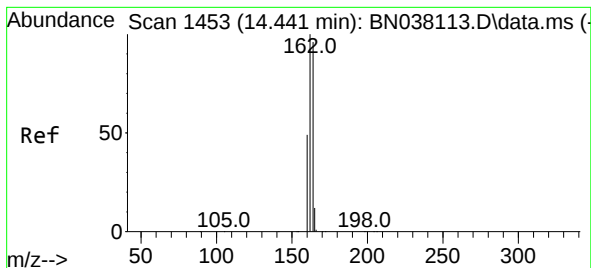
Tgt Ion:152 Resp: 18993

Ion Ratio Lower Upper

152 100

151 26.2 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: BN038157.D

Acq: 07 Nov 2025 16:46

Instrument :

BNA\_N

ClientSampleId :

MW-5

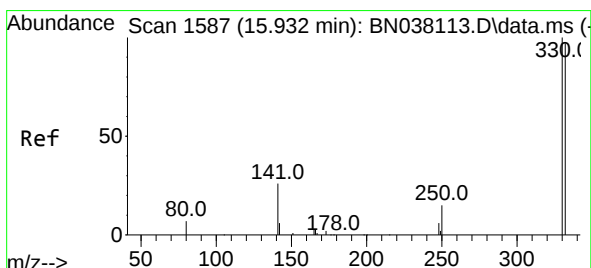
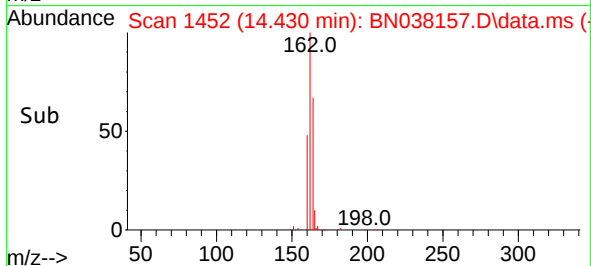
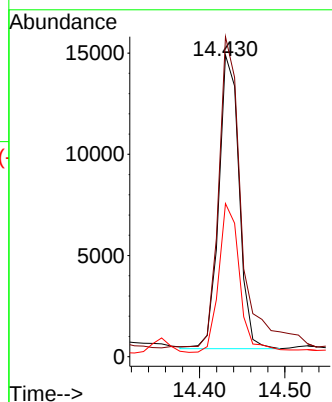
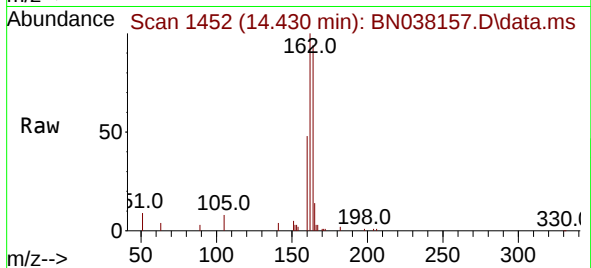
Tgt Ion:164 Resp: 24015

Ion Ratio Lower Upper

164 100

162 106.1 83.0 124.4

160 50.8 40.7 61.1



#14

2,4,6-Tribromophenol

Concen: 0.486 ng

RT: 15.932 min Scan# 1587

Delta R.T. 0.000 min

Lab File: BN038157.D

Acq: 07 Nov 2025 16:46

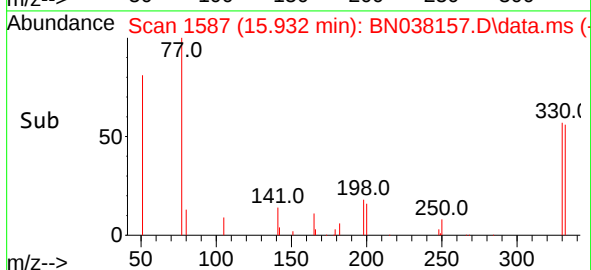
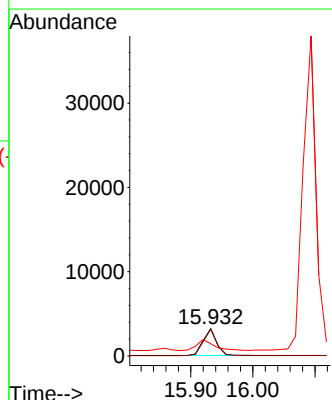
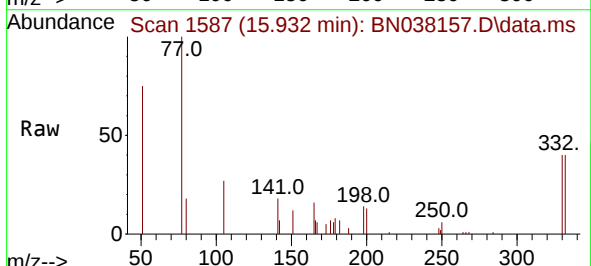
Tgt Ion:330 Resp: 4812

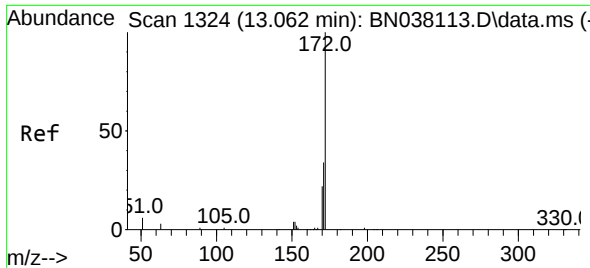
Ion Ratio Lower Upper

330 100

332 97.8 76.6 114.8

141 50.5 34.1 51.1

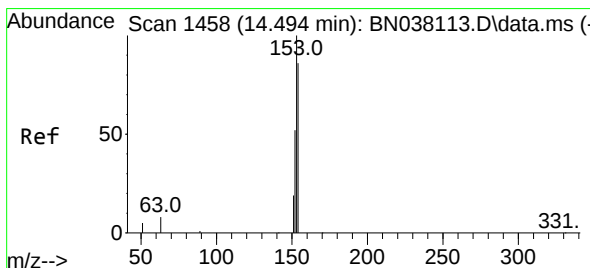
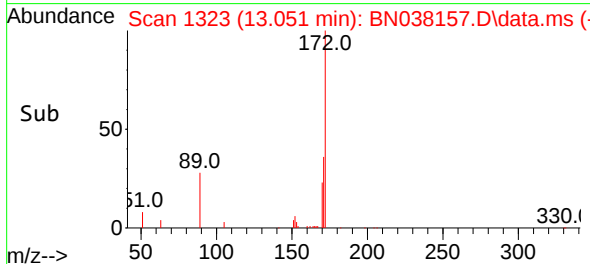
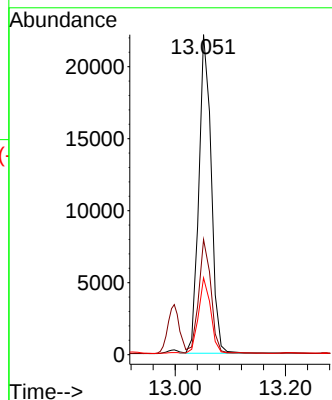
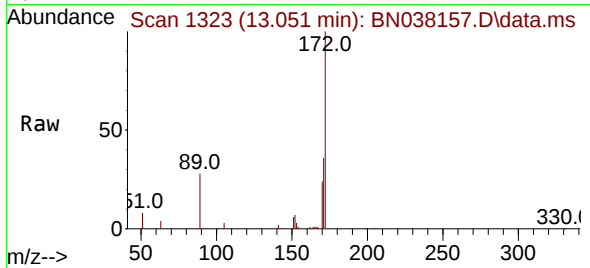




#15  
2-Fluorobiphenyl  
Concen: 0.357 ng  
RT: 13.051 min Scan# 1323  
Delta R.T. 0.000 min  
Lab File: BN038157.D  
Acq: 07 Nov 2025 16:46

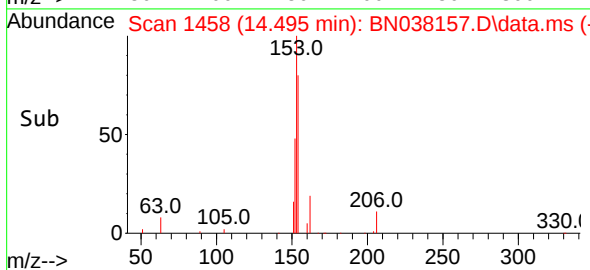
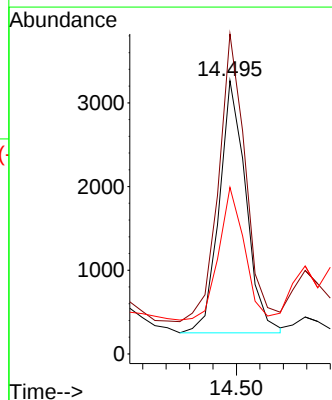
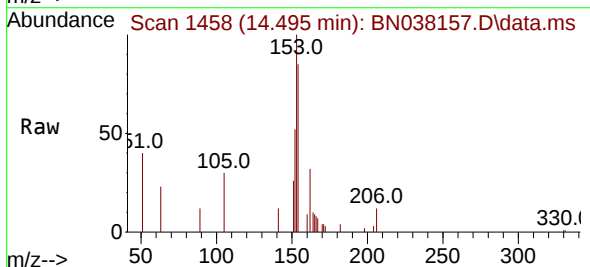
Instrument :  
BNA\_N  
ClientSampleId :  
MW-5

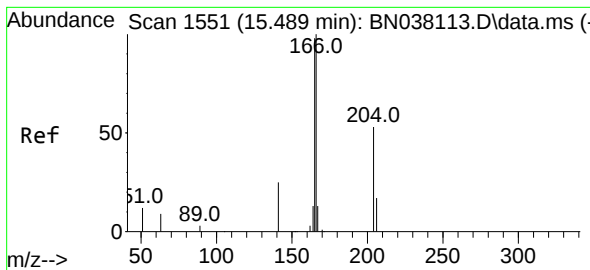
Tgt Ion:172 Resp: 34356  
Ion Ratio Lower Upper  
172 100  
171 36.0 27.8 41.6  
170 24.0 18.1 27.1



#17  
Acenaphthene  
Concen: 0.063 ng  
RT: 14.495 min Scan# 1458  
Delta R.T. 0.000 min  
Lab File: BN038157.D  
Acq: 07 Nov 2025 16:46

Tgt Ion:154 Resp: 4765  
Ion Ratio Lower Upper  
154 100  
153 114.5 90.0 135.0  
152 53.3 47.3 70.9





#18

Fluorene

Concen: 0.025 ng

RT: 15.489 min Scan# 1551

Delta R.T. -0.000 min

Lab File: BN038157.D

Acq: 07 Nov 2025 16:46

Instrument :

BNA\_N

ClientSampleId :

MW-5

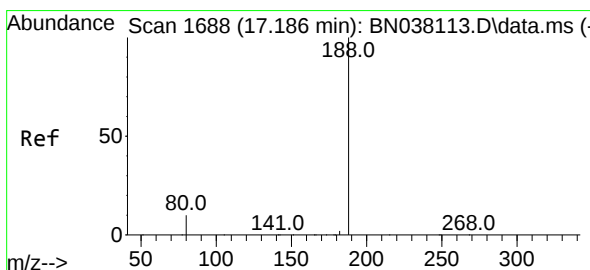
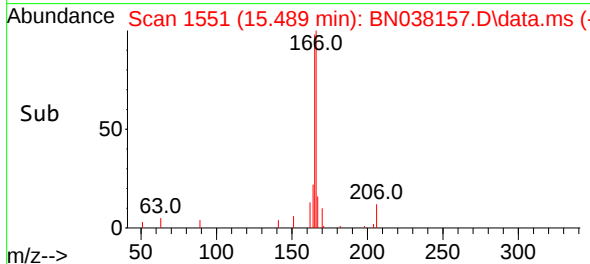
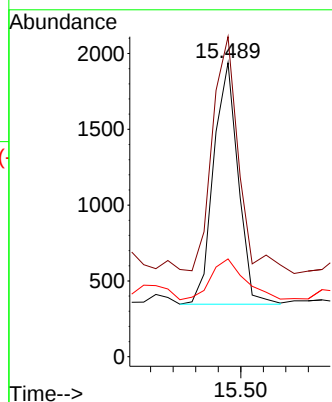
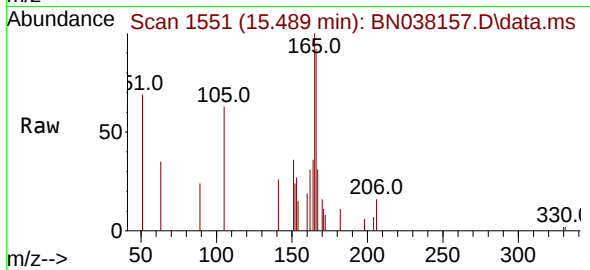
Tgt Ion:166 Resp: 2498

Ion Ratio Lower Upper

166 100

165 106.9 79.0 118.4

167 24.0 10.7 16.1#



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.186 min Scan# 1688

Delta R.T. 0.000 min

Lab File: BN038157.D

Acq: 07 Nov 2025 16:46

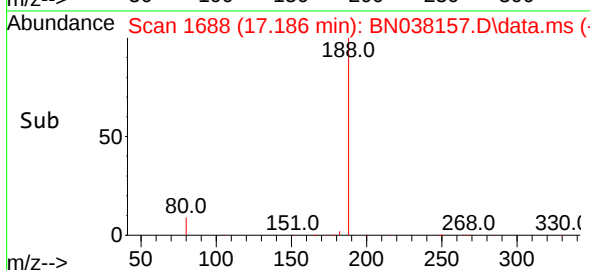
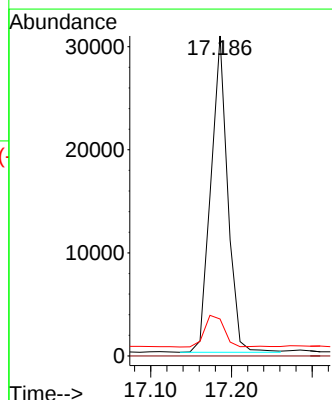
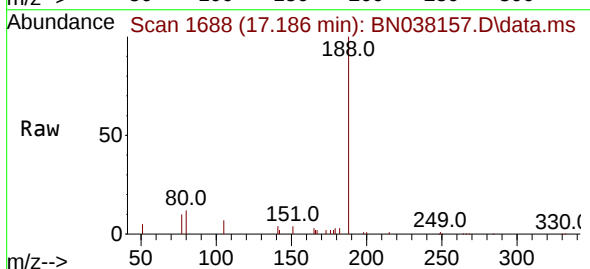
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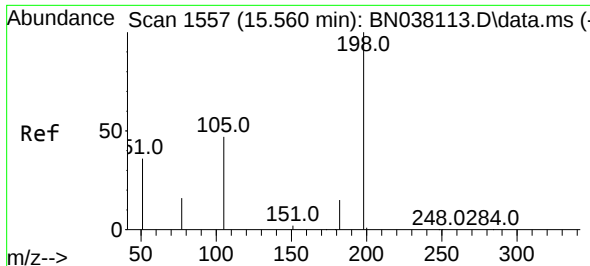
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 11.5 8.6 13.0

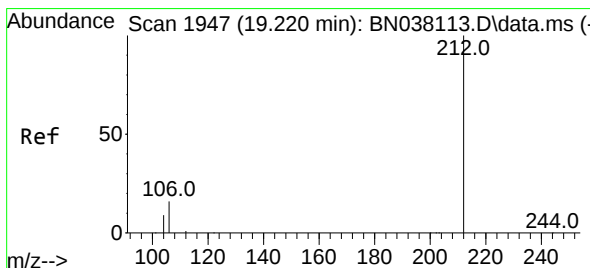
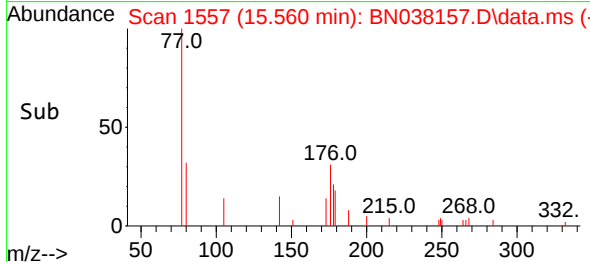
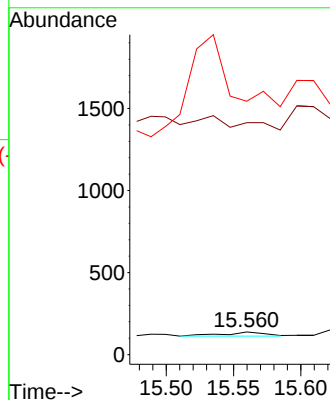
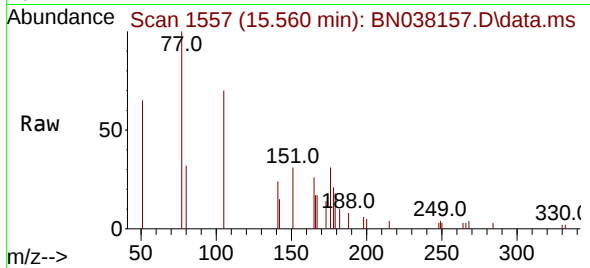




#20  
4,6-Dinitro-2-methylphenol  
Concen: 0.190 ng  
RT: 15.560 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BN038157.D  
Acq: 07 Nov 2025 16:46

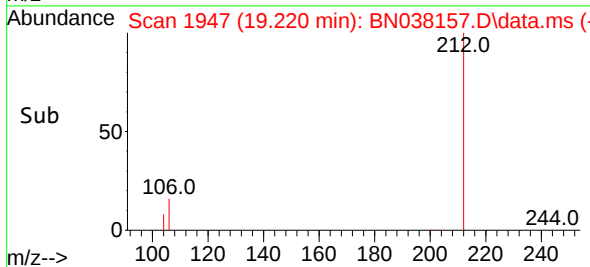
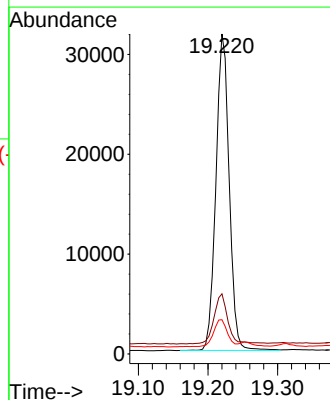
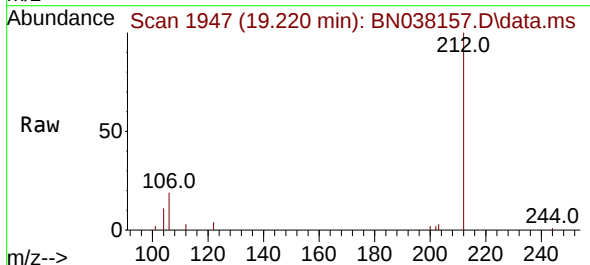
Instrument :  
BNA\_N  
ClientSampleId :  
MW-5

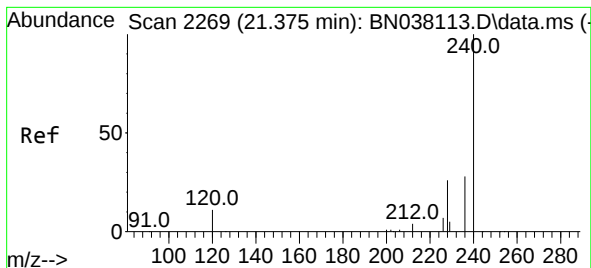
Tgt Ion:198 Resp: 53  
Ion Ratio Lower Upper  
198 100  
51 1024.6 88.9 133.3#  
105 1118.8 49.2 73.8#



#27  
Fluoranthene-d10  
Concen: 0.377 ng  
RT: 19.220 min Scan# 1947  
Delta R.T. 0.000 min  
Lab File: BN038157.D  
Acq: 07 Nov 2025 16:46

Tgt Ion:212 Resp: 42091  
Ion Ratio Lower Upper  
212 100  
106 16.5 12.6 19.0  
104 8.8 7.1 10.7





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.375 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038157.D

Acq: 07 Nov 2025 16:46

Instrument :

BNA\_N

ClientSampleId :

MW-5

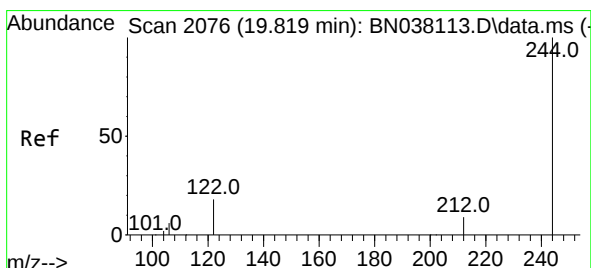
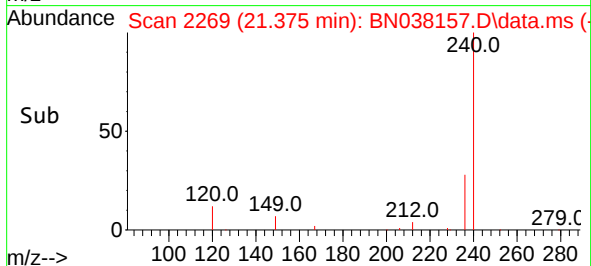
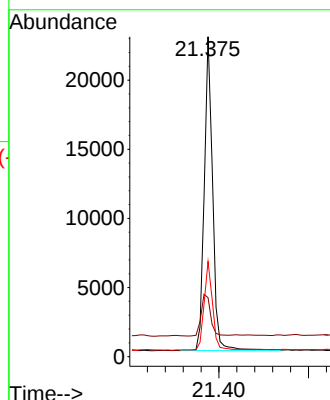
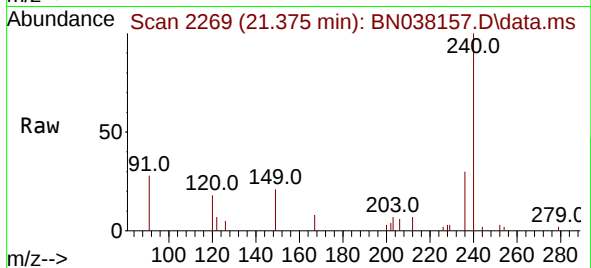
Tgt Ion:240 Resp: 29531

Ion Ratio Lower Upper

240 100

120 18.5 10.7 16.1#

236 29.8 23.1 34.7



#31

Terphenyl-d14

Concen: 0.539 ng

RT: 19.819 min Scan# 2076

Delta R.T. 0.000 min

Lab File: BN038157.D

Acq: 07 Nov 2025 16:46

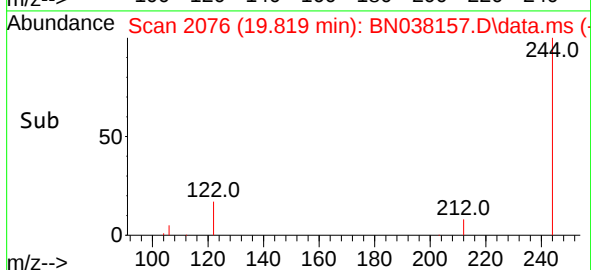
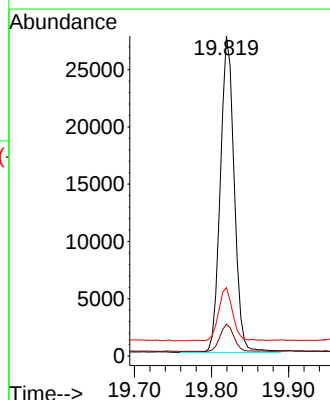
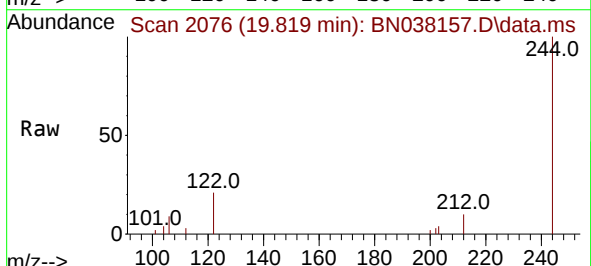
Tgt Ion:244 Resp: 34611

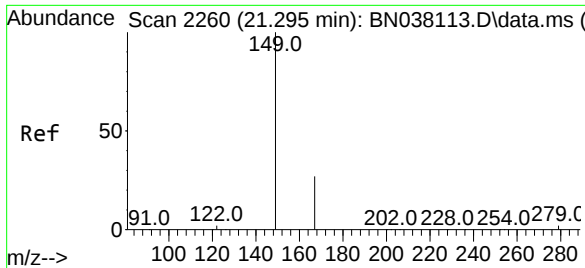
Ion Ratio Lower Upper

244 100

212 9.9 7.8 11.6

122 21.4 15.2 22.8

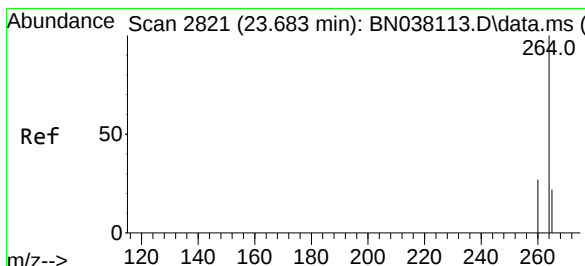
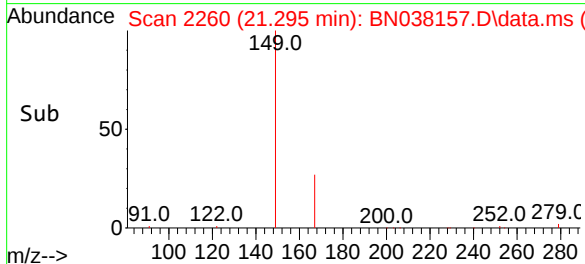
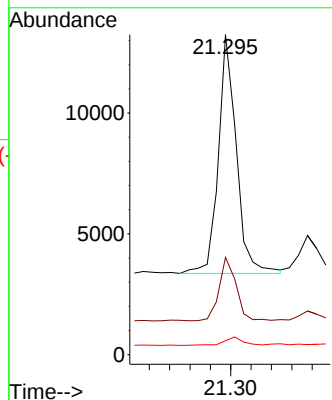
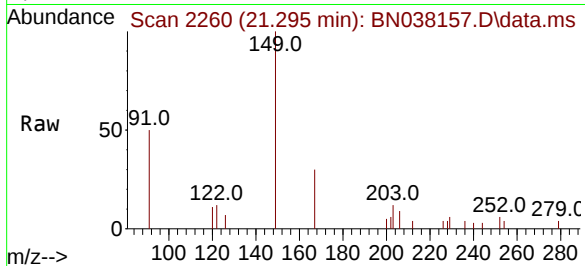




#34  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.218 ng  
 RT: 21.295 min Scan# 2122  
 Delta R.T. 0.000 min  
 Lab File: BN038157.D  
 Acq: 07 Nov 2025 16:46

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MW-5

Tgt Ion:149 Resp: 12122  
 Ion Ratio Lower Upper  
 149 100  
 167 25.0 21.1 31.7  
 279 3.6 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: BN038157.D  
 Acq: 07 Nov 2025 16:46

Tgt Ion:264 Resp: 25013  
 Ion Ratio Lower Upper  
 264 100  
 260 27.7 21.8 32.8  
 265 72.6 68.6 102.8

