

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN101325\  
 Data File : BN038069.D  
 Acq On : 13 Oct 2025 15:35  
 Operator : RC/JU  
 Sample : PB169992BSD  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB169992BSD

Quant Time: Oct 13 16:16:15 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN092325.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Sep 24 11:00:01 2025  
 Response via : Initial Calibration

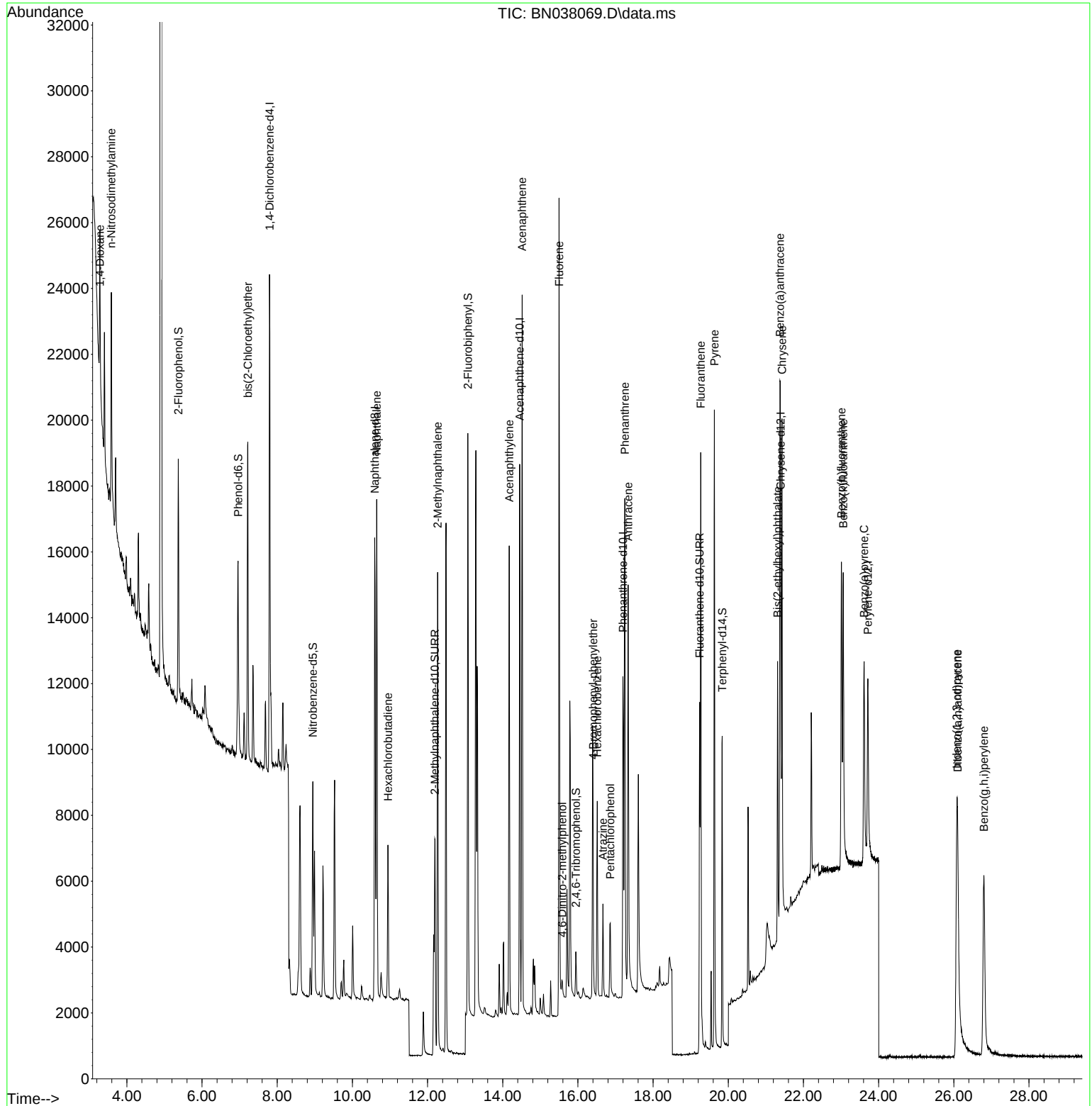
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.797  | 152  | 7306     | 0.400 | ng    | -0.03    |
| 7) Naphthalene-d8             | 10.594 | 136  | 19813    | 0.400 | ng    | #-0.03   |
| 13) Acenaphthene-d10          | 14.452 | 164  | 9467     | 0.400 | ng    | -0.02    |
| 19) Phenanthrene-d10          | 17.198 | 188  | 15168    | 0.400 | ng    | #-0.02   |
| 29) Chrysene-d12              | 21.393 | 240  | 9943     | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 23.712 | 264  | 8435     | 0.400 | ng    | #-0.01   |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.370  | 112  | 5761     | 0.346 | ng    | -0.01    |
| 5) Phenol-d6                  | 6.959  | 99   | 6126     | 0.280 | ng    | -0.01    |
| 8) Nitrobenzene-d5            | 8.950  | 82   | 5343     | 0.354 | ng    | -0.02    |
| 11) 2-Methylnaphthalene-d10   | 12.192 | 152  | 9365     | 0.340 | ng    | -0.03    |
| 14) 2,4,6-Tribromophenol      | 15.945 | 330  | 882      | 0.246 | ng    | -0.02    |
| 15) 2-Fluorobiphenyl          | 13.073 | 172  | 15099    | 0.390 | ng    | -0.02    |
| 27) Fluoranthene-d10          | 19.239 | 212  | 12032    | 0.315 | ng    | -0.01    |
| 31) Terphenyl-d14             | 19.838 | 244  | 9677     | 0.489 | ng    | -0.01    |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.283  | 88   | 2679     | 0.361 | ng    | # 42     |
| 3) n-Nitrosodimethylamine     | 3.586  | 42   | 3716     | 0.377 | ng    | 99       |
| 6) bis(2-Chloroethyl)ether    | 7.219  | 93   | 7250     | 0.357 | ng    | 98       |
| 9) Naphthalene                | 10.648 | 128  | 19510    | 0.357 | ng    | 100      |
| 10) Hexachlorobutadiene       | 10.947 | 225  | 3618     | 0.389 | ng    | # 99     |
| 12) 2-Methylnaphthalene       | 12.268 | 142  | 10655    | 0.299 | ng    | 100      |
| 16) Acenaphthylene            | 14.174 | 152  | 16001    | 0.372 | ng    | 100      |
| 17) Acenaphthene              | 14.516 | 154  | 10104    | 0.330 | ng    | 98       |
| 18) Fluorene                  | 15.499 | 166  | 10756    | 0.290 | ng    | 98       |
| 20) 4,6-Dinitro-2-methylph... | 15.585 | 198  | 440      | 0.296 | ng    | # 16     |
| 21) 4-Bromophenyl-phenylether | 16.404 | 248  | 3541     | 0.358 | ng    | # 86     |
| 22) Hexachlorobenzene         | 16.515 | 284  | 4644     | 0.388 | ng    | 98       |
| 23) Atrazine                  | 16.664 | 200  | 2175     | 0.289 | ng    | # 93     |
| 24) Pentachlorophenol         | 16.863 | 266  | 1517     | 0.369 | ng    | 99       |
| 25) Phenanthrene              | 17.248 | 178  | 17041    | 0.341 | ng    | 99       |
| 26) Anthracene                | 17.335 | 178  | 14917    | 0.344 | ng    | 99       |
| 28) Fluoranthene              | 19.266 | 202  | 16779    | 0.305 | ng    | 100      |
| 30) Pyrene                    | 19.629 | 202  | 17713    | 0.451 | ng    | 100      |
| 32) Benzo(a)anthracene        | 21.375 | 228  | 12627    | 0.363 | ng    | 99       |
| 33) Chrysene                  | 21.429 | 228  | 14417    | 0.384 | ng    | 100      |
| 34) Bis(2-ethylhexyl)phtha... | 21.313 | 149  | 6482     | 0.472 | ng    | 98       |
| 36) Indeno(1,2,3-cd)pyrene    | 26.080 | 276  | 15155    | 0.393 | ng    | 98       |
| 37) Benzo(b)fluoranthene      | 23.011 | 252  | 12599    | 0.346 | ng    | # 87     |
| 38) Benzo(k)fluoranthene      | 23.057 | 252  | 13662    | 0.373 | ng    | # 88     |
| 39) Benzo(a)pyrene            | 23.613 | 252  | 11196    | 0.389 | ng    | # 82     |
| 40) Dibenzo(a,h)anthracene    | 26.101 | 278  | 11246    | 0.374 | ng    | # 90     |
| 41) Benzo(g,h,i)perylene      | 26.803 | 276  | 13512    | 0.427 | ng    | 98       |
| -----                         |        |      |          |       |       |          |

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

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Sample : PB169992BSD  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Sep 24 11:00:01 2025  
Response via : Initial Calibration

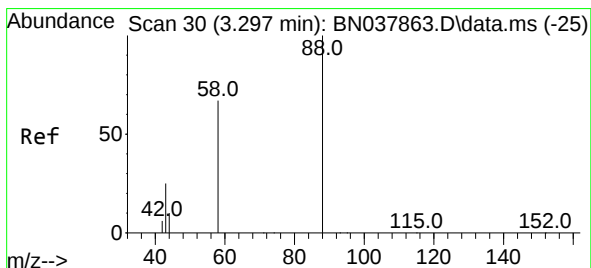
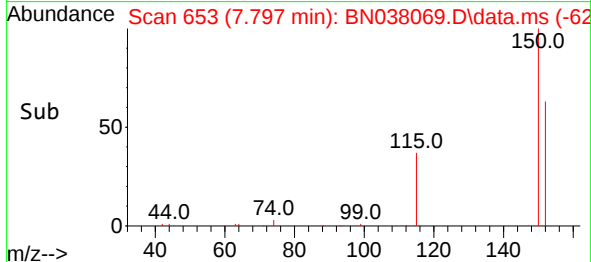
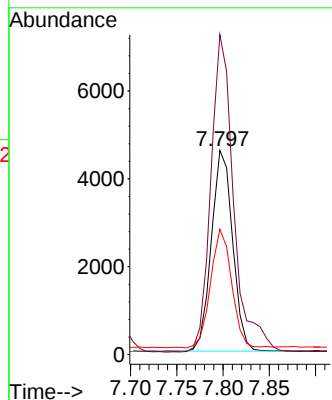
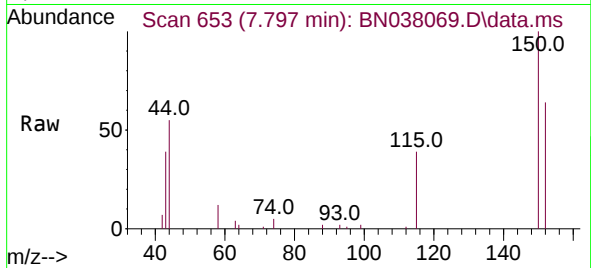




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.797 min Scan# 61  
 Delta R.T. -0.028 min  
 Lab File: BN038069.D  
 Acq: 13 Oct 2025 15:35

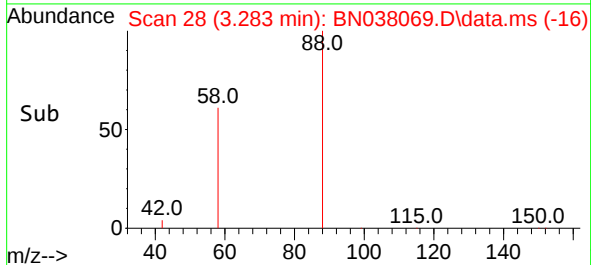
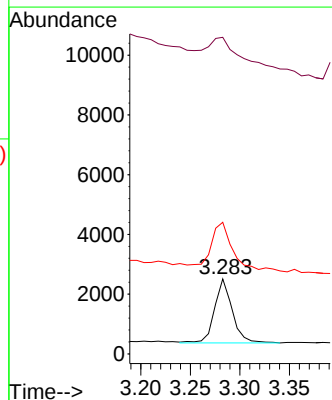
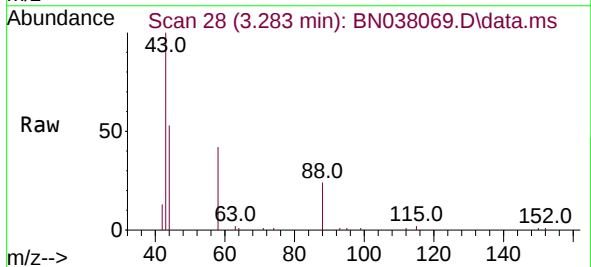
Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB169992BSD

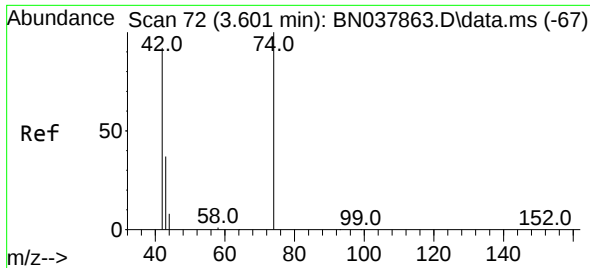
Tgt Ion:152 Resp: 7306  
 Ion Ratio Lower Upper  
 152 100  
 150 156.8 121.0 181.4  
 115 61.5 47.4 71.0



#2  
 1,4-Dioxane  
 Concen: 0.361 ng  
 RT: 3.283 min Scan# 28  
 Delta R.T. -0.014 min  
 Lab File: BN038069.D  
 Acq: 13 Oct 2025 15:35

Tgt Ion: 88 Resp: 2679  
 Ion Ratio Lower Upper  
 88 100  
 43 95.3 26.6 39.8#  
 58 102.4 58.9 88.3#

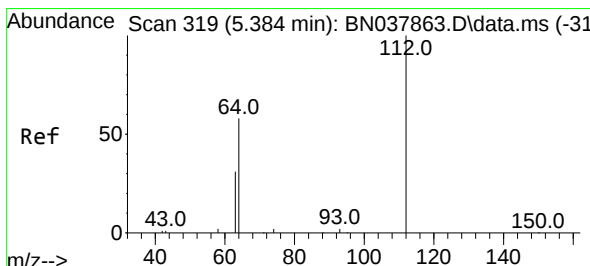
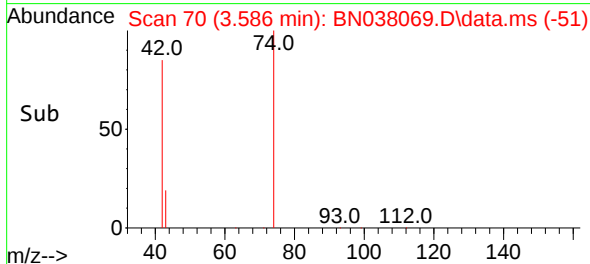
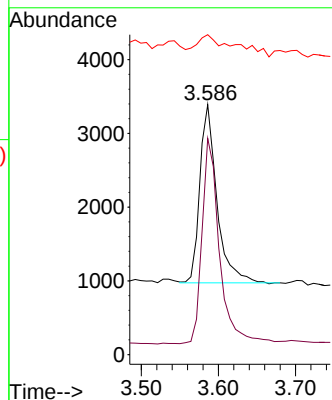
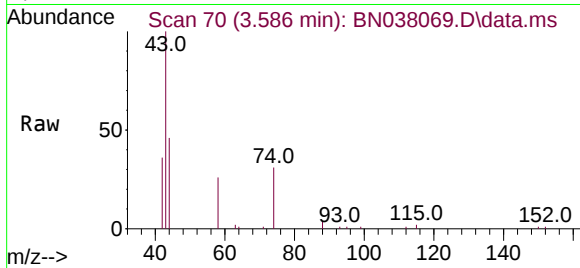




#3  
 n-Nitrosodimethylamine  
 Concen: 0.377 ng  
 RT: 3.586 min Scan# 70  
 Delta R.T. -0.014 min  
 Lab File: BN038069.D  
 Acq: 13 Oct 2025 15:35

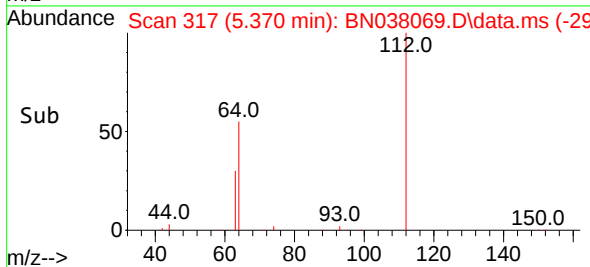
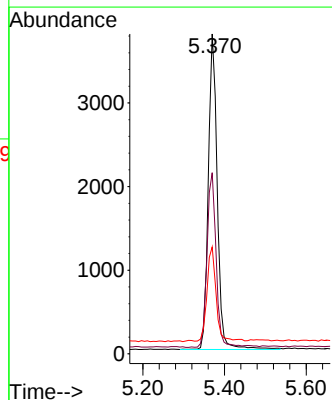
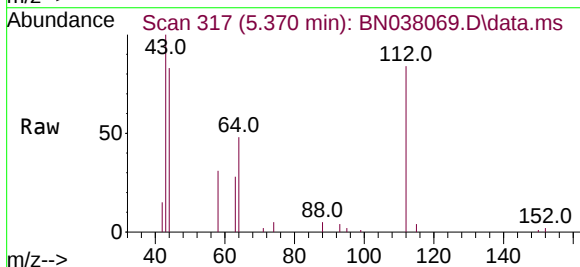
Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB169992BSD

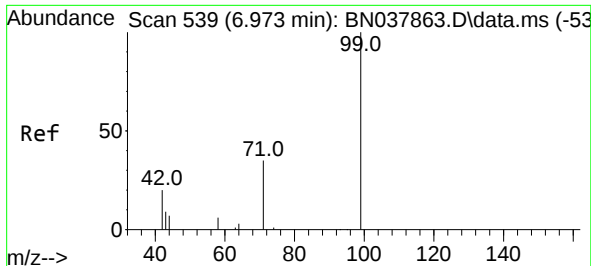
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 3716  |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 74       | 117.5 | 93.4  | 140.0 |
| 44       | 27.2  | 22.2  | 33.4  |



#4  
 2-Fluorophenol  
 Concen: 0.346 ng  
 RT: 5.370 min Scan# 317  
 Delta R.T. -0.014 min  
 Lab File: BN038069.D  
 Acq: 13 Oct 2025 15:35

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 112   | Resp: | 5761  |
| Ion      | Ratio | Lower | Upper |
| 112      | 100   |       |       |
| 64       | 56.2  | 44.6  | 66.8  |
| 63       | 30.1  | 24.9  | 37.3  |

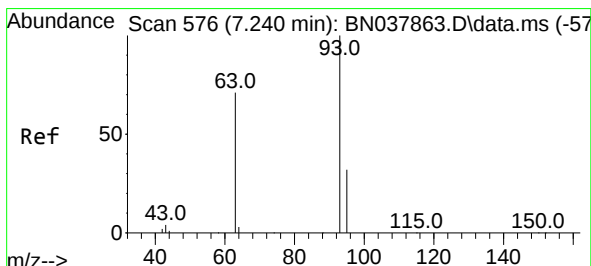
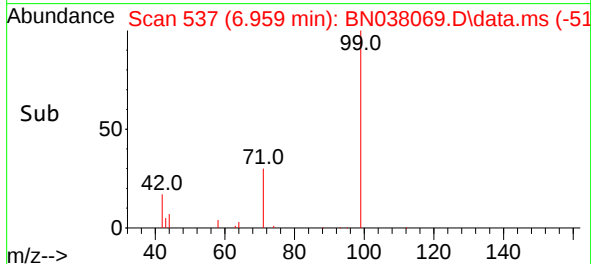
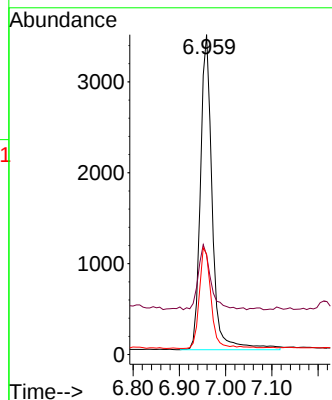
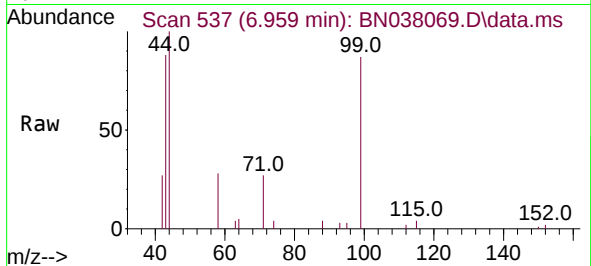




#5  
Phenol-d6  
Concen: 0.280 ng  
RT: 6.959 min Scan# 531  
Delta R.T. -0.014 min  
Lab File: BN038069.D  
Acq: 13 Oct 2025 15:35

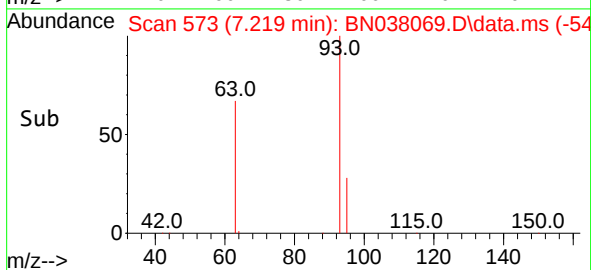
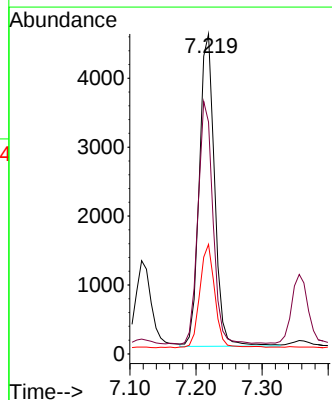
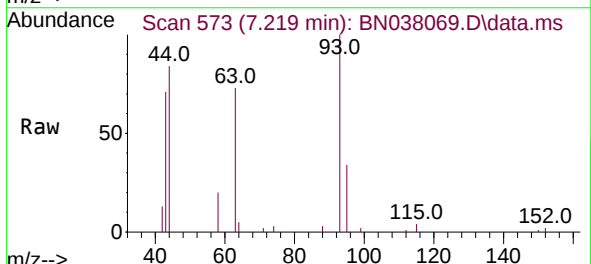
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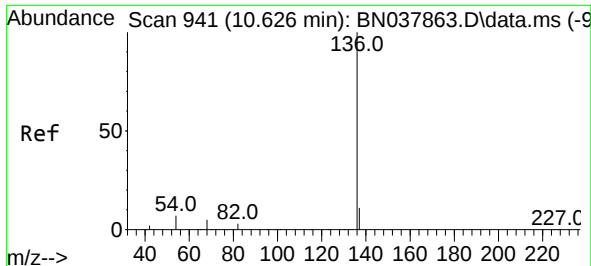
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 99    | Resp: | 6126  |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 21.9  | 17.2  | 25.8  |
| 71       | 32.2  | 27.3  | 40.9  |



#6  
bis(2-Chloroethyl)ether  
Concen: 0.357 ng  
RT: 7.219 min Scan# 573  
Delta R.T. -0.022 min  
Lab File: BN038069.D  
Acq: 13 Oct 2025 15:35

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 7250  |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 63       | 76.9  | 60.1  | 90.1  |
| 95       | 32.5  | 25.4  | 38.2  |

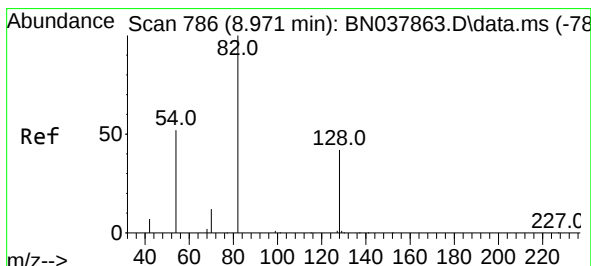
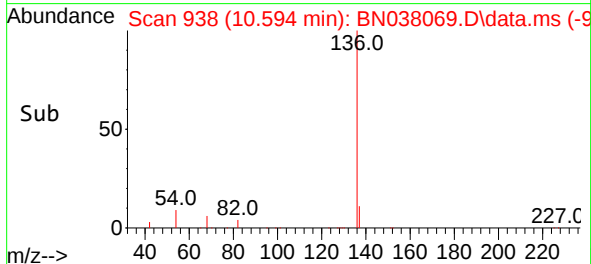
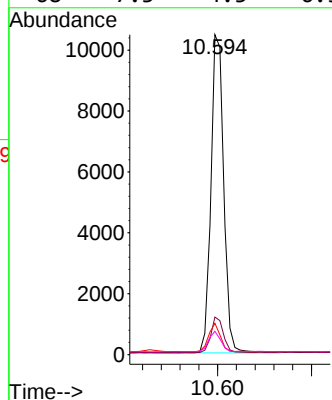
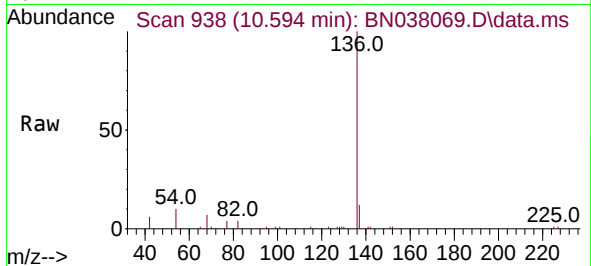




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.594 min Scan# 941  
Delta R.T. -0.032 min  
Lab File: BN038069.D  
Acq: 13 Oct 2025 15:35

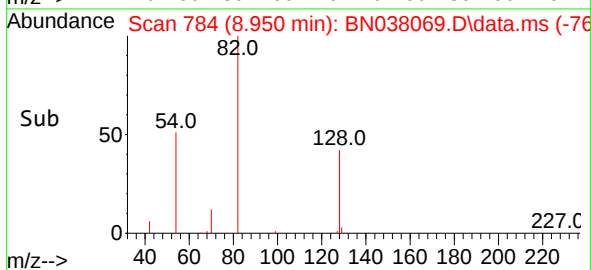
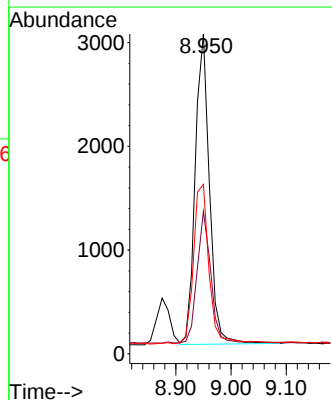
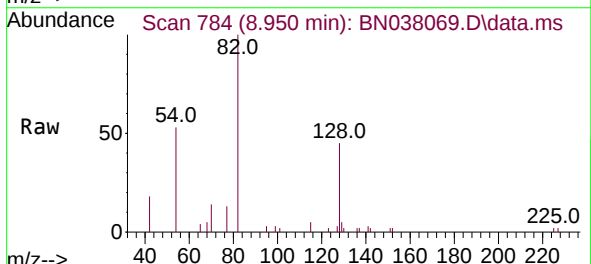
Instrument :  
BNA\_N  
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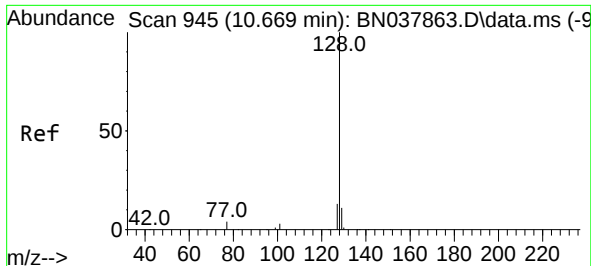
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|-----------|-------|-------|-------|
| Tgt Ion:  | 136   | Resp: | 19813 |
| Ion Ratio | Lower | Upper |       |
| 136       | 100   |       |       |
| 137       | 11.7  | 9.0   | 13.4  |
| 54        | 9.8   | 5.8   | 8.8#  |
| 68        | 7.3   | 4.3   | 6.5#  |



#8  
Nitrobenzene-d5  
Concen: 0.354 ng  
RT: 8.950 min Scan# 784  
Delta R.T. -0.021 min  
Lab File: BN038069.D  
Acq: 13 Oct 2025 15:35

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 82    | Resp: | 5343 |
| Ion Ratio | Lower | Upper |      |
| 82        | 100   |       |      |
| 128       | 44.5  | 34.8  | 52.2 |
| 54        | 53.0  | 42.2  | 63.2 |

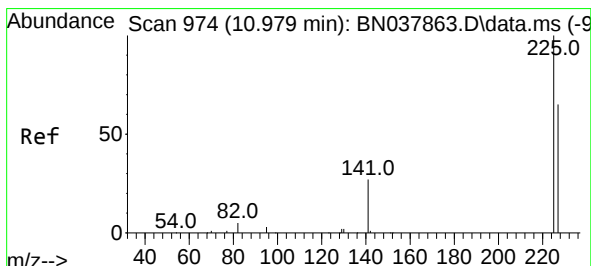
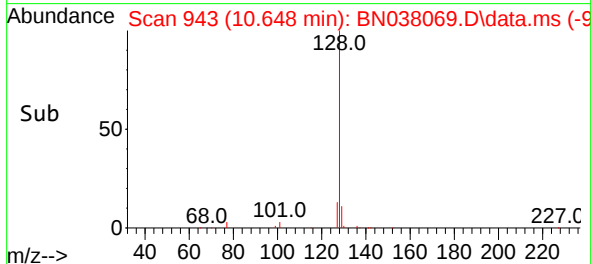
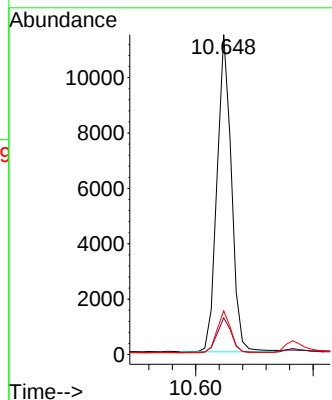
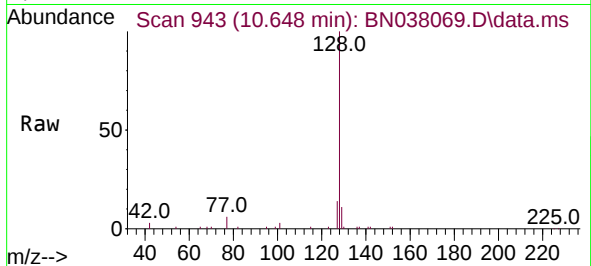




#9  
Naphthalene  
Concen: 0.357 ng  
RT: 10.648 min Scan# 94  
Delta R.T. -0.021 min  
Lab File: BN038069.D  
Acq: 13 Oct 2025 15:35

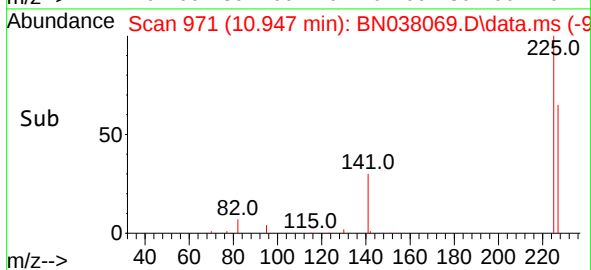
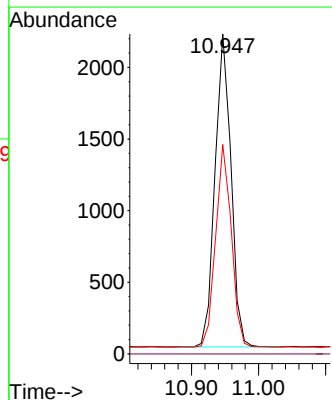
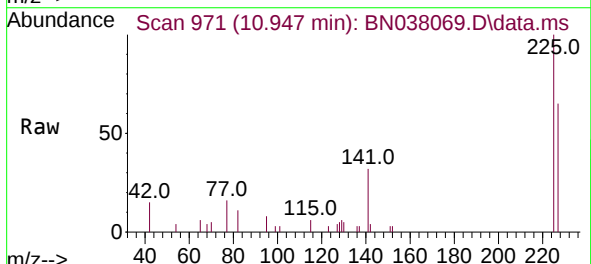
Instrument :  
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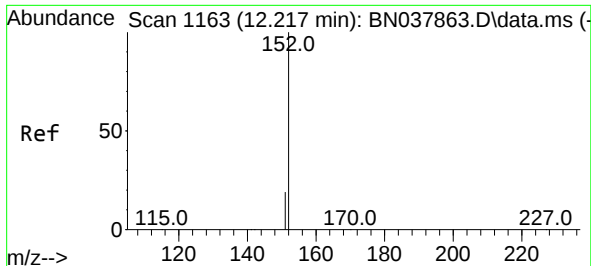
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|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 19510 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 11.5  | 9.2   | 13.8  |
| 127       | 13.7  | 11.0  | 16.6  |



#10  
Hexachlorobutadiene  
Concen: 0.389 ng  
RT: 10.947 min Scan# 971  
Delta R.T. -0.032 min  
Lab File: BN038069.D  
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|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 225   | Resp: | 3618 |
| Ion Ratio | Lower | Upper |      |
| 225       | 100   |       |      |
| 223       | 0.0   | 0.0   | 0.0  |
| 227       | 63.7  | 51.4  | 77.2 |

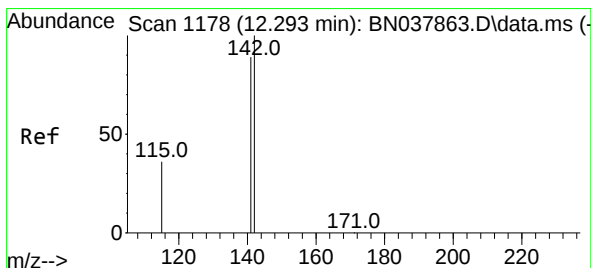
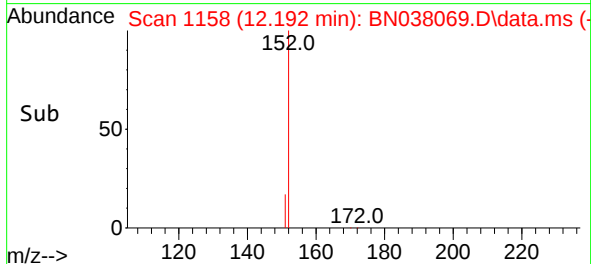
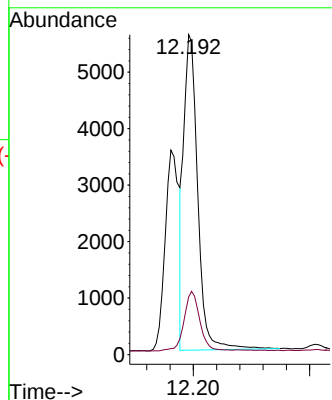
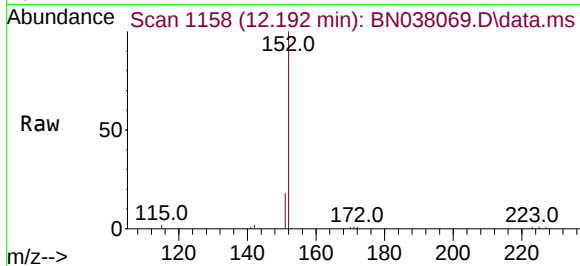




#11  
2-Methylnaphthalene-d10  
Concen: 0.340 ng  
RT: 12.192 min Scan# 1163  
Delta R.T. -0.025 min  
Lab File: BN038069.D  
Acq: 13 Oct 2025 15:35

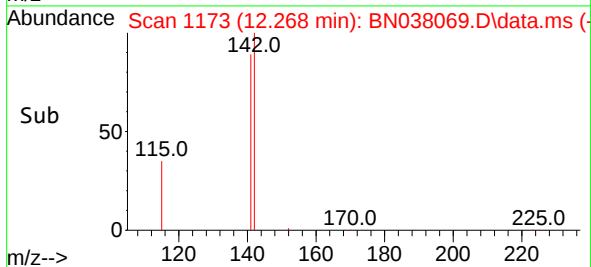
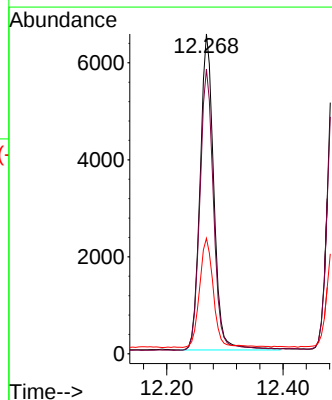
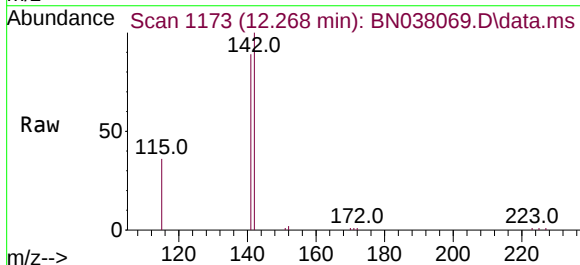
Instrument :  
BNA\_N  
ClientSampleId :  
PB169992BSD

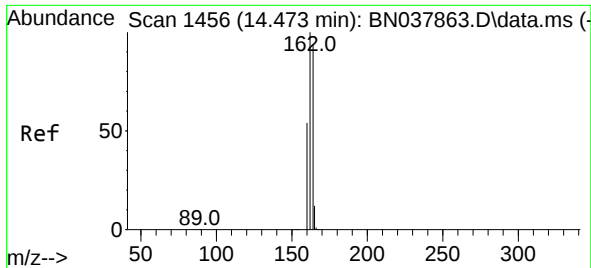
Tgt Ion:152 Resp: 9365  
Ion Ratio Lower Upper  
152 100  
151 21.4 17.4 26.2



#12  
2-Methylnaphthalene  
Concen: 0.299 ng  
RT: 12.268 min Scan# 1173  
Delta R.T. -0.025 min  
Lab File: BN038069.D  
Acq: 13 Oct 2025 15:35

Tgt Ion:142 Resp: 10655  
Ion Ratio Lower Upper  
142 100  
141 89.0 71.2 106.8  
115 36.1 29.7 44.5

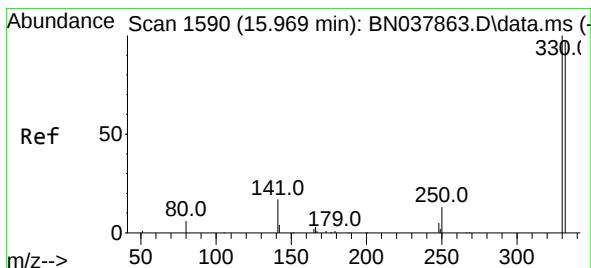
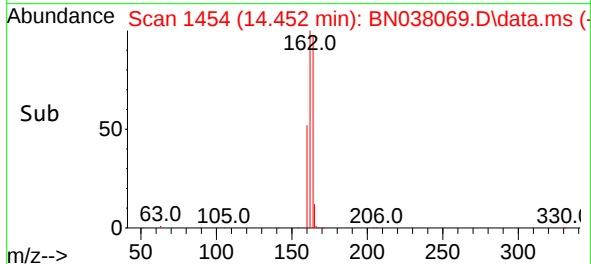
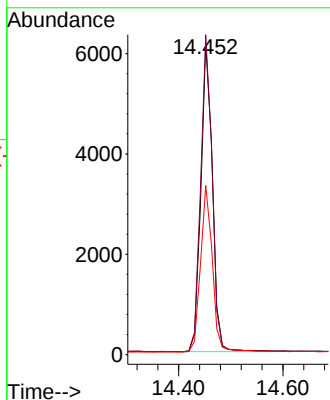
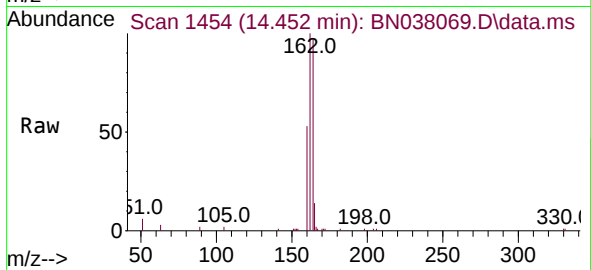




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.452 min Scan# 14  
Delta R.T. -0.021 min  
Lab File: BN038069.D  
Acq: 13 Oct 2025 15:35

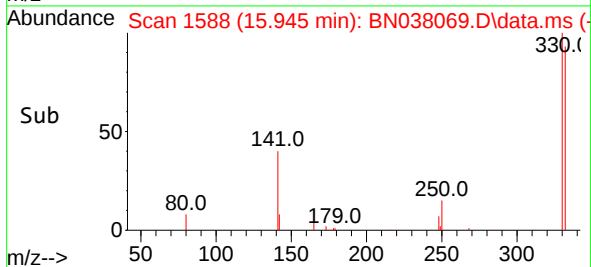
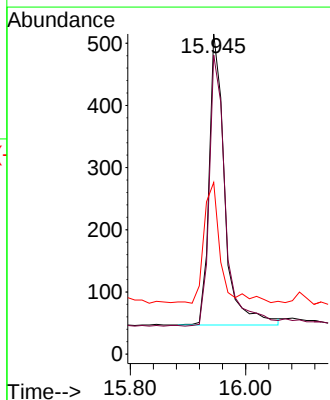
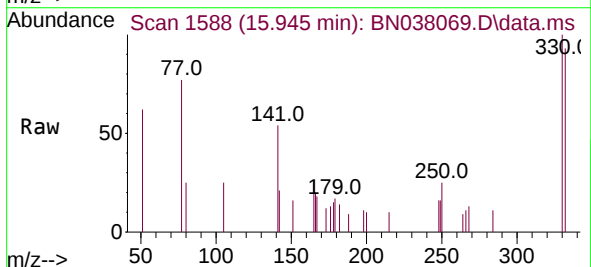
Instrument :  
BNA\_N  
ClientSampleId :  
PB169992BSD

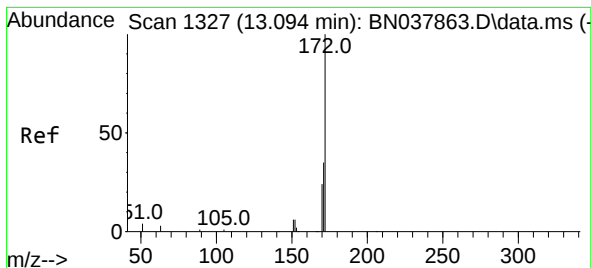
Tgt Ion:164 Resp: 9467  
Ion Ratio Lower Upper  
164 100  
162 103.0 84.8 127.2  
160 54.4 46.1 69.1



#14  
2,4,6-Tribromophenol  
Concen: 0.246 ng  
RT: 15.945 min Scan# 1588  
Delta R.T. -0.024 min  
Lab File: BN038069.D  
Acq: 13 Oct 2025 15:35

Tgt Ion:330 Resp: 882  
Ion Ratio Lower Upper  
330 100  
332 98.4 77.2 115.8  
141 42.9 37.2 55.8





#15

2-Fluorobiphenyl

Concen: 0.390 ng

RT: 13.073 min Scan# 1327

Delta R.T. -0.021 min

Lab File: BN038069.D

Acq: 13 Oct 2025 15:35

Instrument :

BNA\_N

ClientSampleId :

PB169992BSD

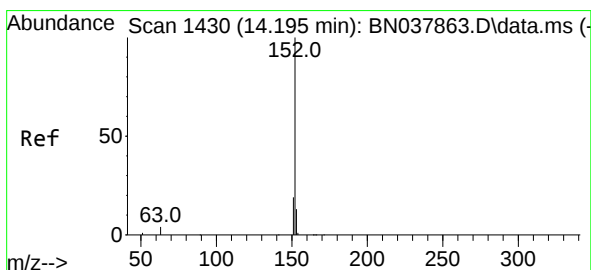
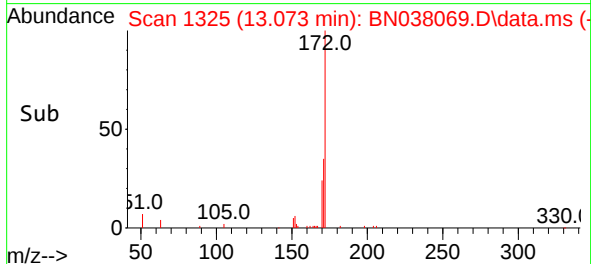
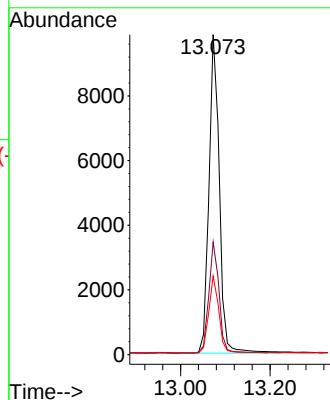
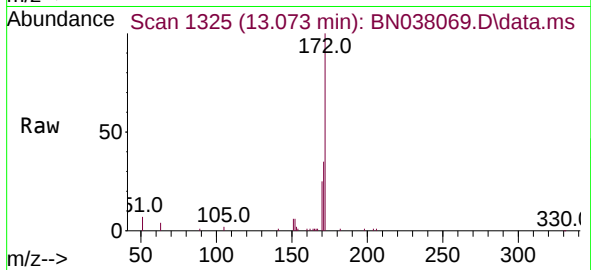
Tgt Ion:172 Resp: 15099

Ion Ratio Lower Upper

172 100

171 35.2 28.6 43.0

170 24.6 19.7 29.5



#16

Acenaphthylene

Concen: 0.372 ng

RT: 14.174 min Scan# 1428

Delta R.T. -0.021 min

Lab File: BN038069.D

Acq: 13 Oct 2025 15:35

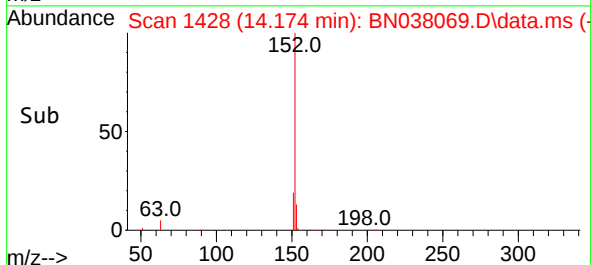
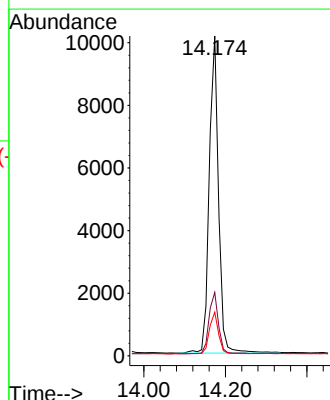
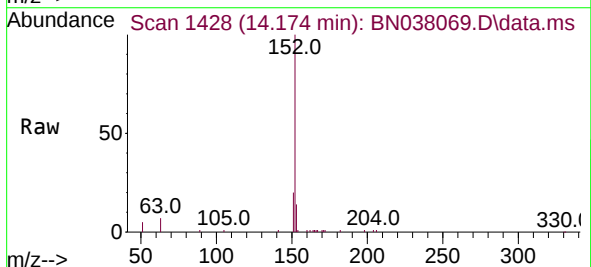
Tgt Ion:152 Resp: 16001

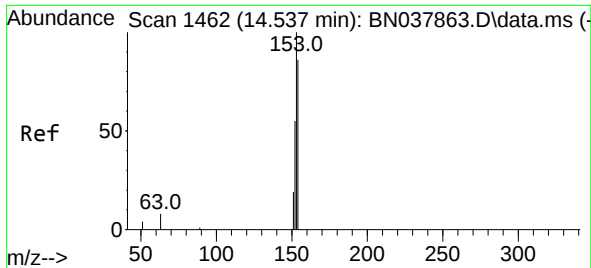
Ion Ratio Lower Upper

152 100

151 19.6 15.8 23.8

153 13.2 10.5 15.7

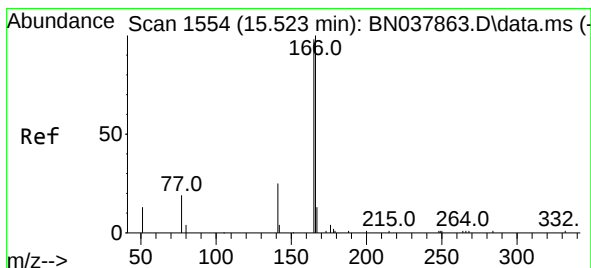
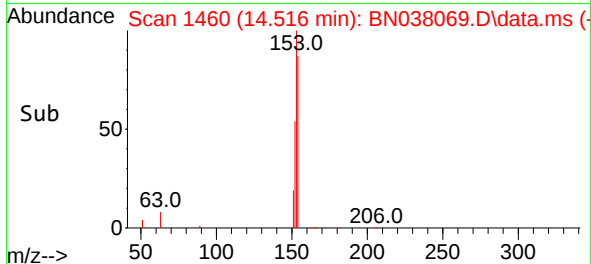
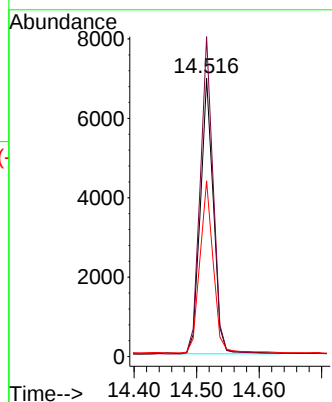
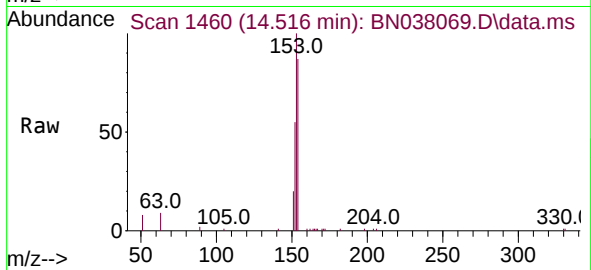




#17  
Acenaphthene  
Concen: 0.330 ng  
RT: 14.516 min Scan# 1460  
Delta R.T. -0.021 min  
Lab File: BN038069.D  
Acq: 13 Oct 2025 15:35

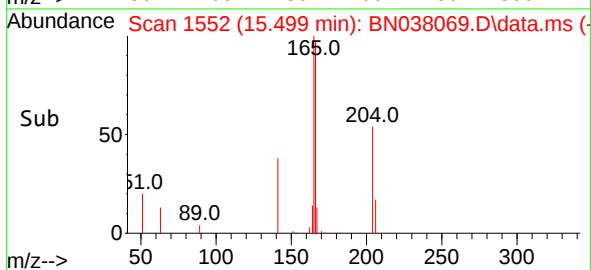
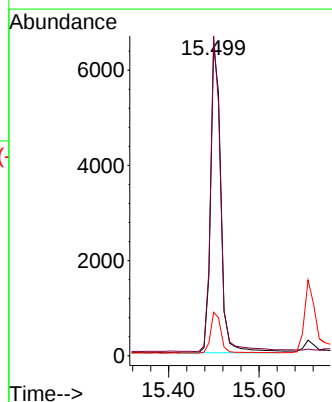
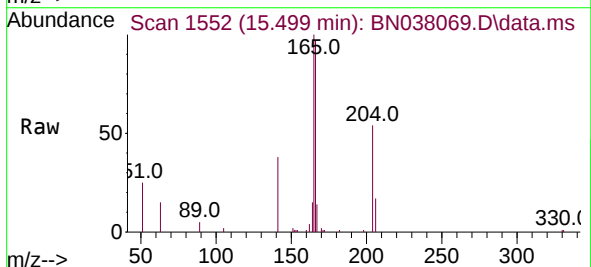
Instrument :  
BNA\_N  
ClientSampleId :  
PB169992BSD

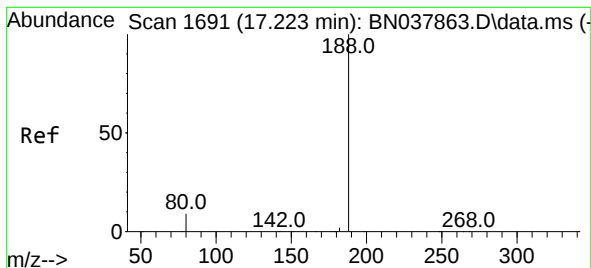
| Tgt Ion | 154   | 153   | 152  |
|---------|-------|-------|------|
| Resp:   | 10104 | 115.0 | 63.9 |
| Ratio   | 100   | 100.0 | 63.9 |
| Lower   |       | 90.5  | 51.8 |
| Upper   |       | 135.7 | 77.8 |



#18  
Fluorene  
Concen: 0.290 ng  
RT: 15.499 min Scan# 1552  
Delta R.T. -0.023 min  
Lab File: BN038069.D  
Acq: 13 Oct 2025 15:35

| Tgt Ion | 166   | 165   | 167  |
|---------|-------|-------|------|
| Resp:   | 10756 | 100.8 | 13.6 |
| Ratio   | 100   | 100.0 | 13.6 |
| Lower   |       | 79.0  | 10.6 |
| Upper   |       | 118.4 | 16.0 |





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.198 min Scan# 1689

Delta R.T. -0.025 min

Lab File: BN038069.D

Acq: 13 Oct 2025 15:35

Instrument :

BNA\_N

ClientSampleId :

PB169992BSD

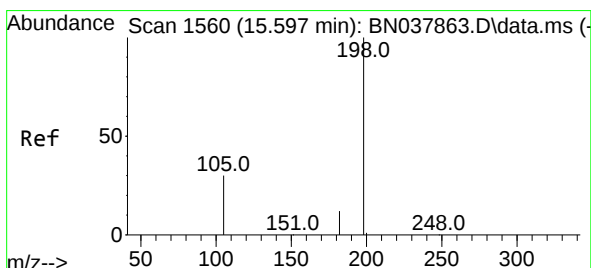
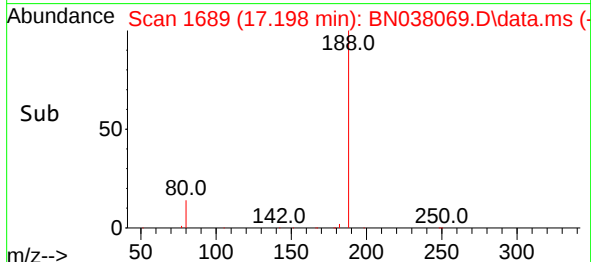
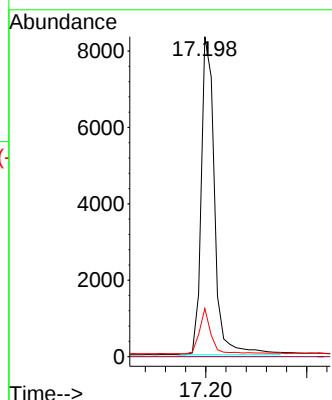
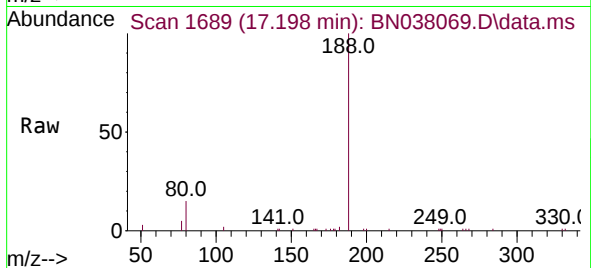
Tgt Ion:188 Resp: 15168

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 15.0 7.6 11.4#



#20

4,6-Dinitro-2-methylphenol

Concen: 0.296 ng

RT: 15.585 min Scan# 1559

Delta R.T. -0.012 min

Lab File: BN038069.D

Acq: 13 Oct 2025 15:35

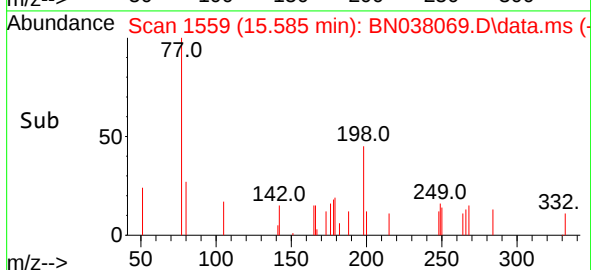
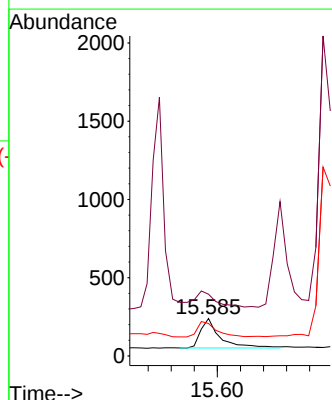
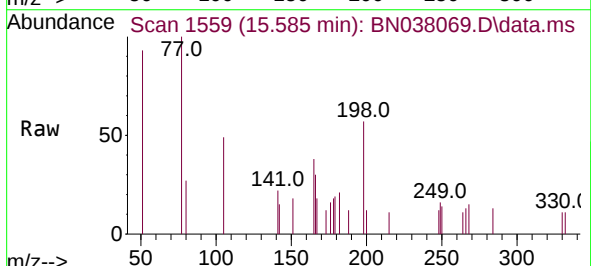
Tgt Ion:198 Resp: 440

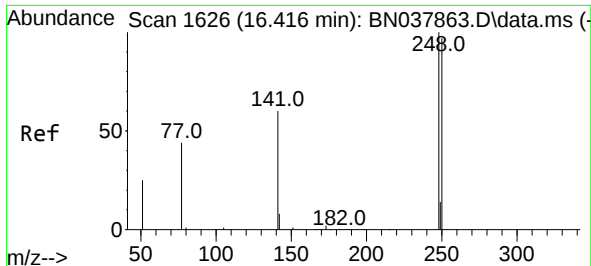
Ion Ratio Lower Upper

198 100

51 164.9 59.1 88.7#

105 86.6 41.3 61.9#

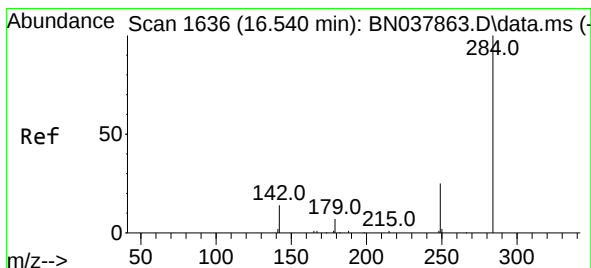
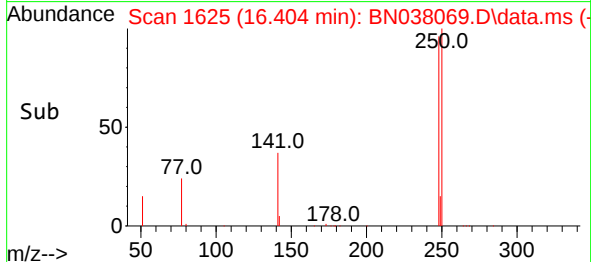
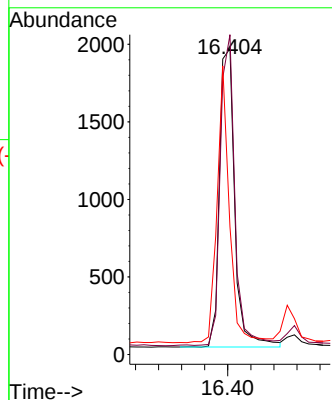
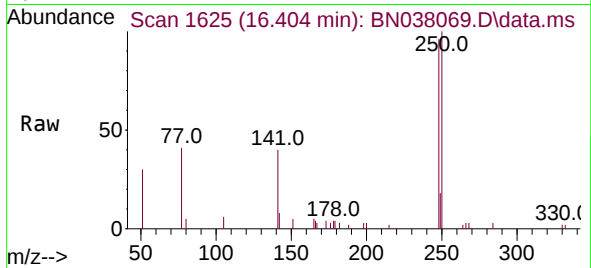




#21  
4-Bromophenyl-phenylether  
Concen: 0.358 ng  
RT: 16.404 min Scan# 1625  
Delta R.T. -0.012 min  
Lab File: BN038069.D  
Acq: 13 Oct 2025 15:35

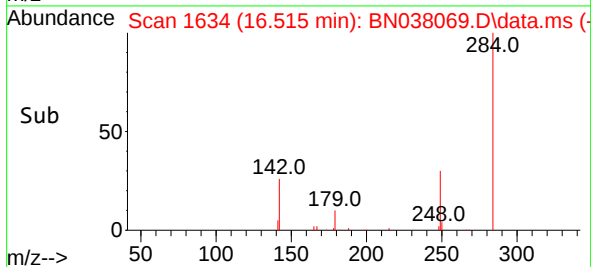
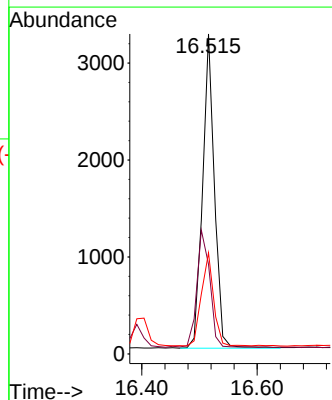
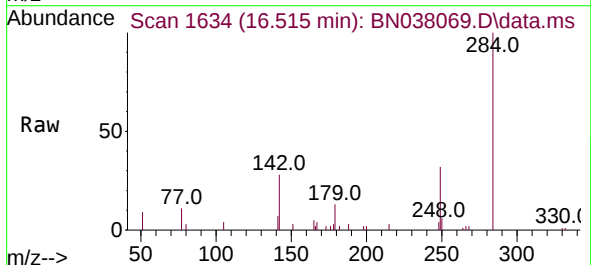
Instrument :  
BNA\_N  
ClientSampleId :  
PB169992BSD

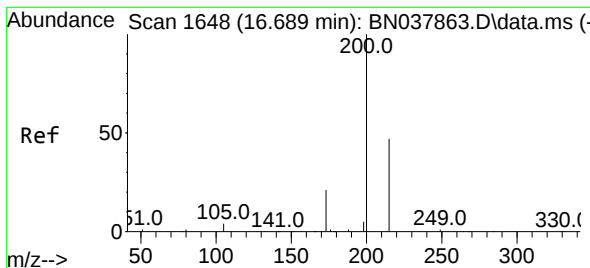
Tgt Ion:248 Resp: 3541  
Ion Ratio Lower Upper  
248 100  
250 104.6 77.6 116.4  
141 41.8 48.8 73.2#



#22  
Hexachlorobenzene  
Concen: 0.388 ng  
RT: 16.515 min Scan# 1634  
Delta R.T. -0.025 min  
Lab File: BN038069.D  
Acq: 13 Oct 2025 15:35

Tgt Ion:284 Resp: 4644  
Ion Ratio Lower Upper  
284 100  
142 40.7 30.9 46.3  
249 30.6 23.9 35.9





#23

Atrazine

Concen: 0.289 ng

RT: 16.664 min Scan# 1646

Delta R.T. -0.025 min

Lab File: BN038069.D

Acq: 13 Oct 2025 15:35

Instrument :

BNA\_N

ClientSampleId :

PB169992BSD

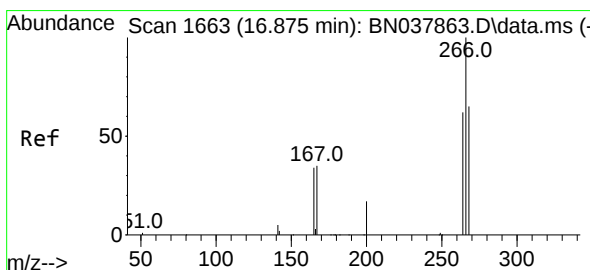
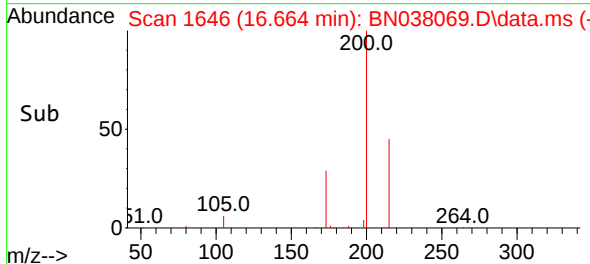
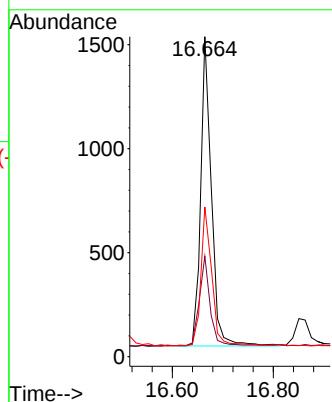
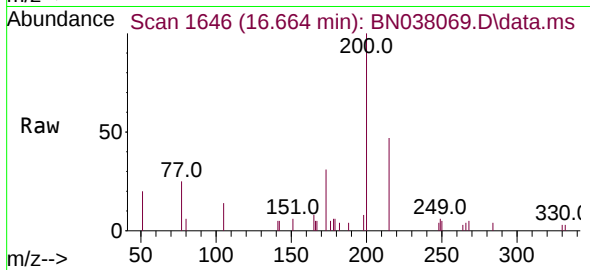
Tgt Ion:200 Resp: 2175

Ion Ratio Lower Upper

200 100

173 31.4 18.3 27.5#

215 46.8 38.6 58.0



#24

Pentachlorophenol

Concen: 0.369 ng

RT: 16.863 min Scan# 1662

Delta R.T. -0.012 min

Lab File: BN038069.D

Acq: 13 Oct 2025 15:35

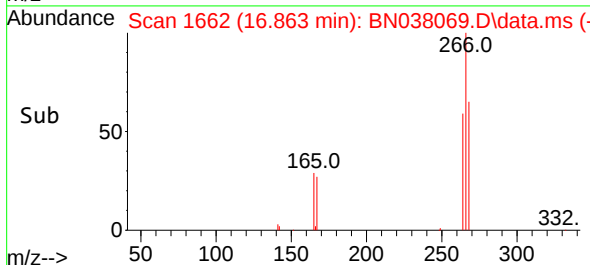
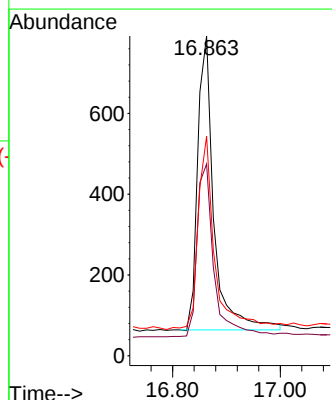
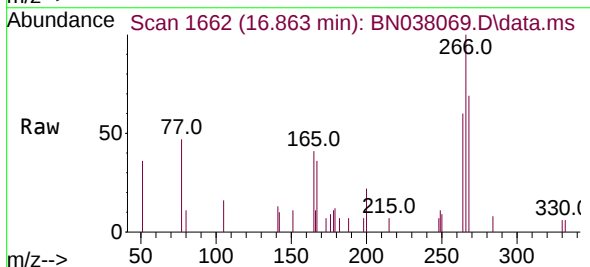
Tgt Ion:266 Resp: 1517

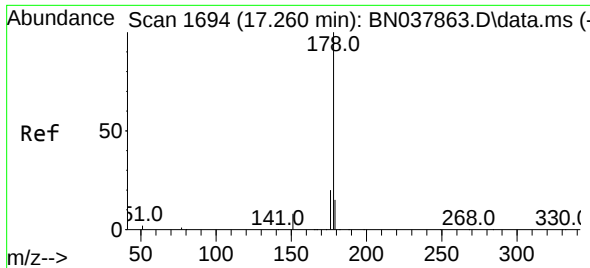
Ion Ratio Lower Upper

266 100

264 61.6 50.9 76.3

268 67.8 54.3 81.5

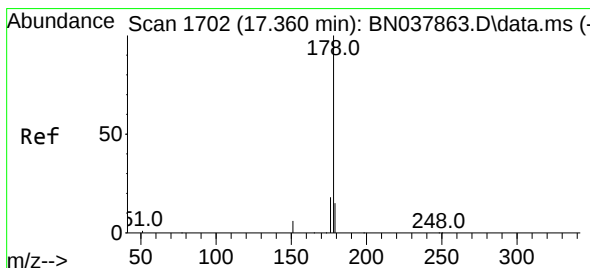
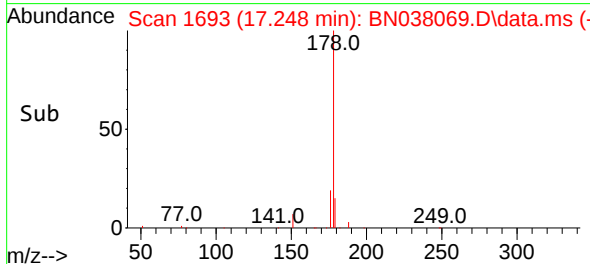
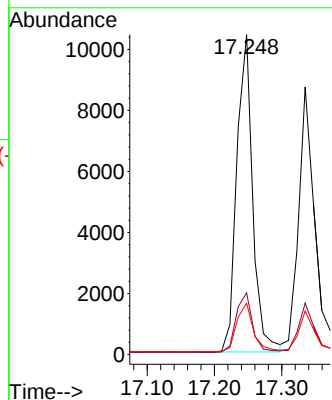
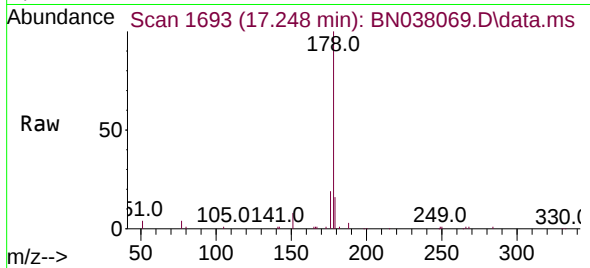




#25  
Phenanthrene  
Concen: 0.341 ng  
RT: 17.248 min Scan# 1694  
Delta R.T. -0.012 min  
Lab File: BN038069.D  
Acq: 13 Oct 2025 15:35

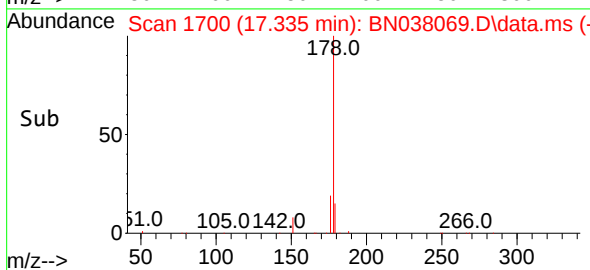
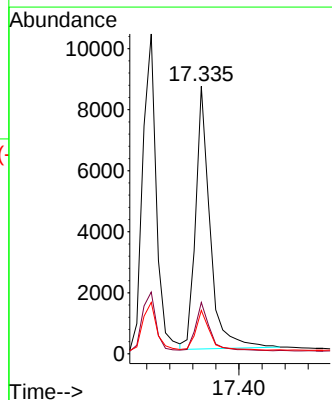
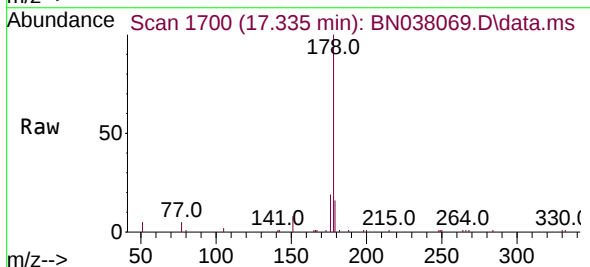
Instrument :  
BNA\_N  
ClientSampleId :  
PB169992BSD

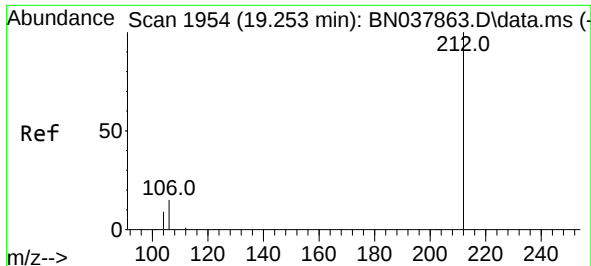
Tgt Ion:178 Resp: 17041  
Ion Ratio Lower Upper  
178 100  
176 19.3 15.7 23.5  
179 16.4 12.3 18.5



#26  
Anthracene  
Concen: 0.344 ng  
RT: 17.335 min Scan# 1700  
Delta R.T. -0.025 min  
Lab File: BN038069.D  
Acq: 13 Oct 2025 15:35

Tgt Ion:178 Resp: 14917  
Ion Ratio Lower Upper  
178 100  
176 18.5 15.0 22.4  
179 15.1 12.3 18.5

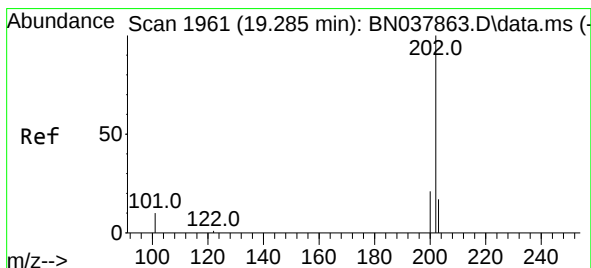
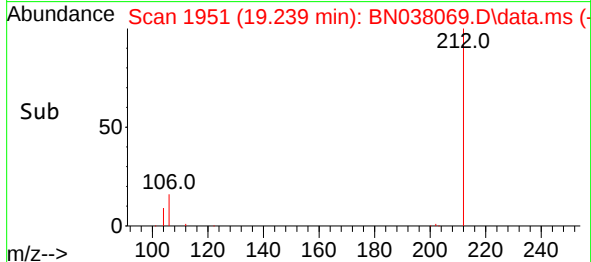
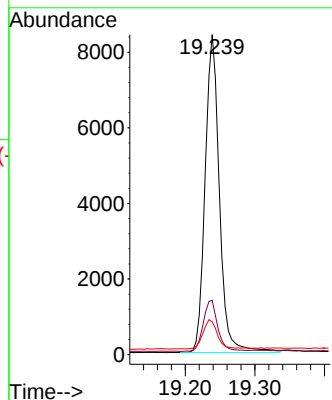
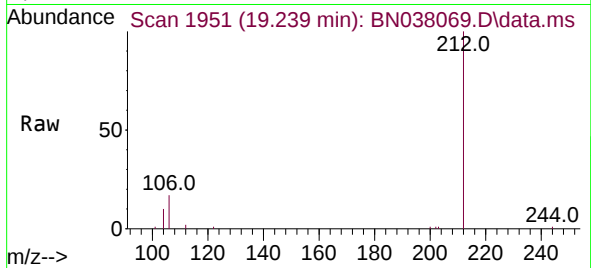




#27  
Fluoranthene-d10  
Concen: 0.315 ng  
RT: 19.239 min Scan# 1954  
Delta R.T. -0.014 min  
Lab File: BN038069.D  
Acq: 13 Oct 2025 15:35

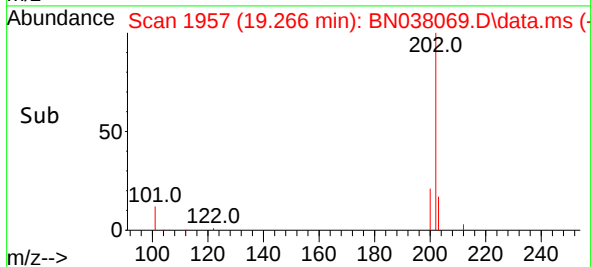
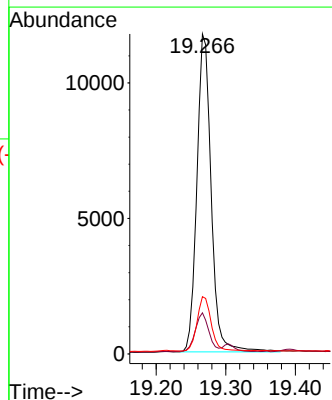
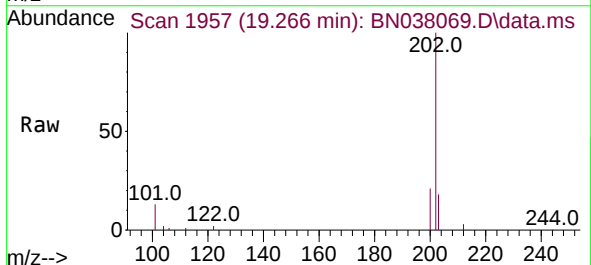
Instrument :  
BNA\_N  
ClientSampleId :  
PB169992BSD

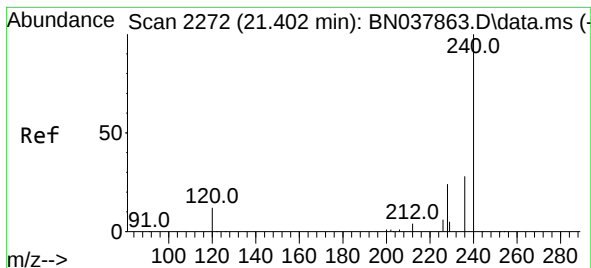
Tgt Ion:212 Resp: 12032  
Ion Ratio Lower Upper  
212 100  
106 16.4 12.6 19.0  
104 9.4 7.4 11.0



#28  
Fluoranthene  
Concen: 0.305 ng  
RT: 19.266 min Scan# 1957  
Delta R.T. -0.019 min  
Lab File: BN038069.D  
Acq: 13 Oct 2025 15:35

Tgt Ion:202 Resp: 16779  
Ion Ratio Lower Upper  
202 100  
101 11.5 9.3 13.9  
203 17.0 13.6 20.4





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.393 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN038069.D

Acq: 13 Oct 2025 15:35

Instrument :

BNA\_N

ClientSampleId :

PB169992BSD

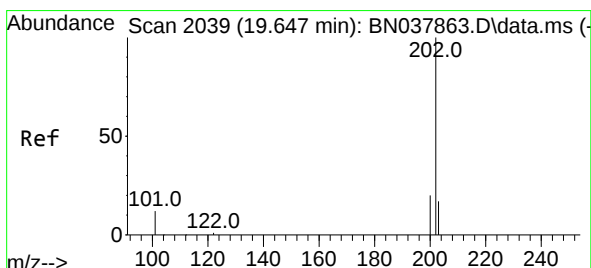
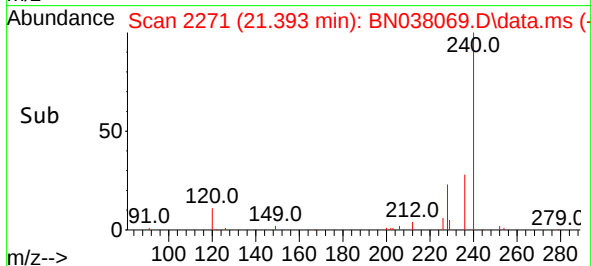
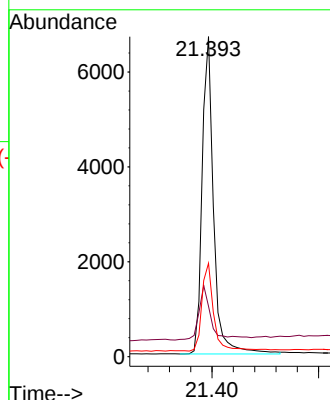
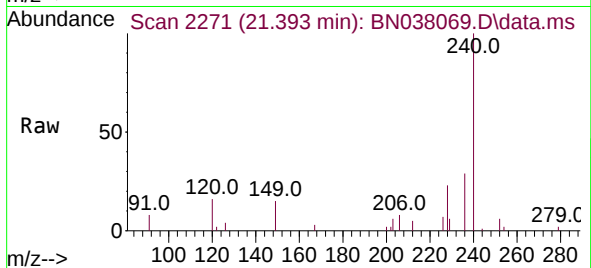
Tgt Ion:240 Resp: 9943

Ion Ratio Lower Upper

240 100

120 15.7 11.4 17.2

236 29.2 23.0 34.6



#30

Pyrene

Concen: 0.451 ng

RT: 19.629 min Scan# 2035

Delta R.T. -0.019 min

Lab File: BN038069.D

Acq: 13 Oct 2025 15:35

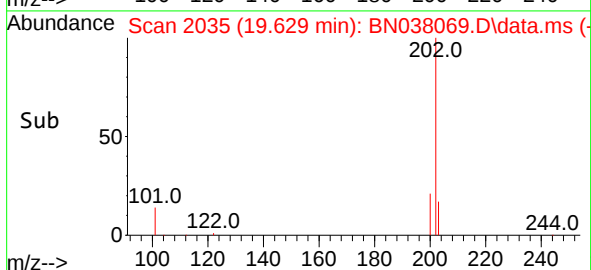
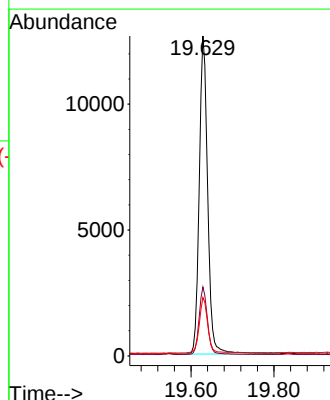
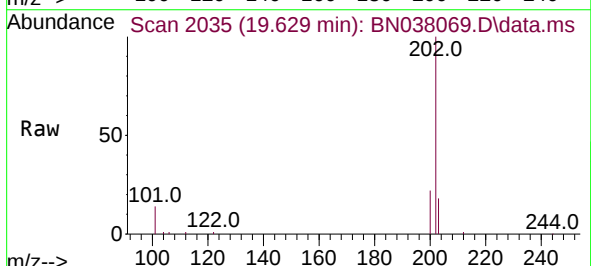
Tgt Ion:202 Resp: 17713

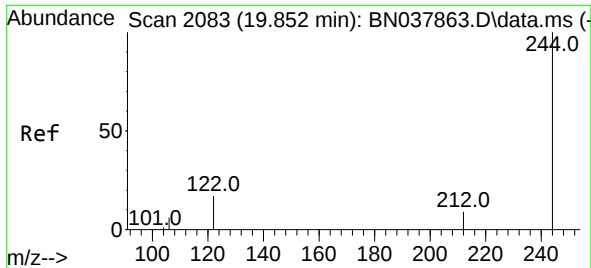
Ion Ratio Lower Upper

202 100

200 21.0 16.7 25.1

203 17.5 14.2 21.4

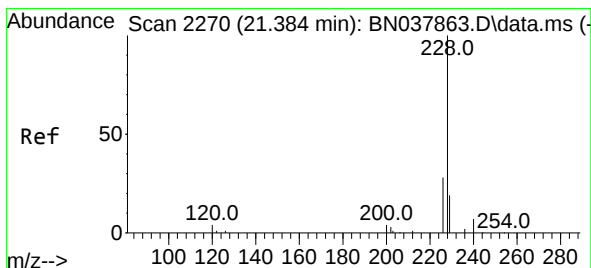
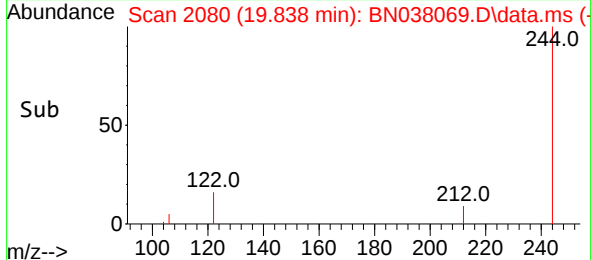
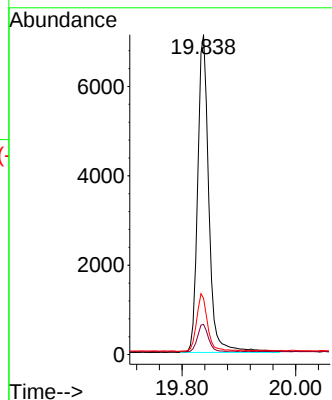
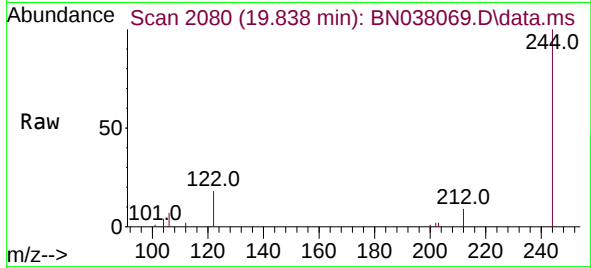




#31  
 Terphenyl-d14  
 Concen: 0.489 ng  
 RT: 19.838 min Scan# 2083  
 Delta R.T. -0.014 min  
 Lab File: BN038069.D  
 Acq: 13 Oct 2025 15:35

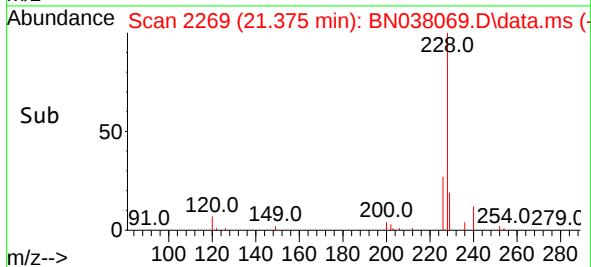
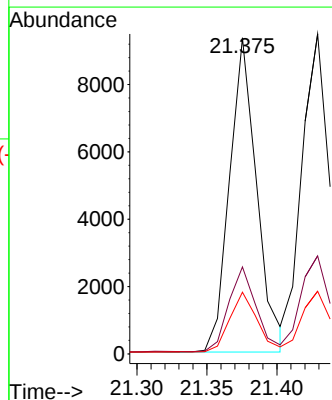
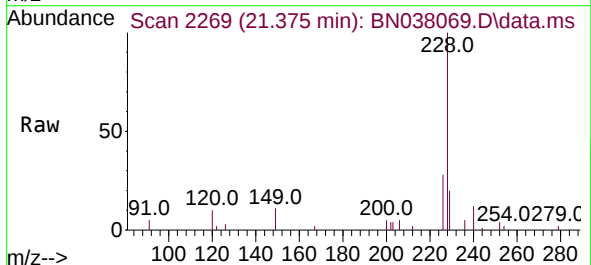
Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB169992BSD

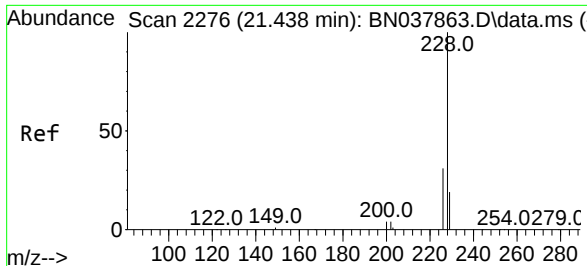
Tgt Ion:244 Resp: 9677  
 Ion Ratio Lower Upper  
 244 100  
 212 9.4 7.6 11.4  
 122 17.6 13.9 20.9



#32  
 Benzo(a)anthracene  
 Concen: 0.363 ng  
 RT: 21.375 min Scan# 2269  
 Delta R.T. -0.009 min  
 Lab File: BN038069.D  
 Acq: 13 Oct 2025 15:35

Tgt Ion:228 Resp: 12627  
 Ion Ratio Lower Upper  
 228 100  
 226 27.5 22.6 33.8  
 229 19.5 15.6 23.4





#33

Chrysene

Concen: 0.384 ng

RT: 21.429 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN038069.D

Acq: 13 Oct 2025 15:35

Instrument :

BNA\_N

ClientSampleId :

PB169992BSD

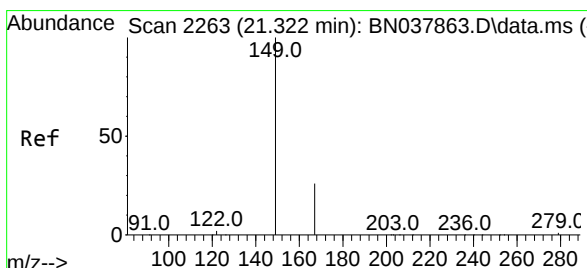
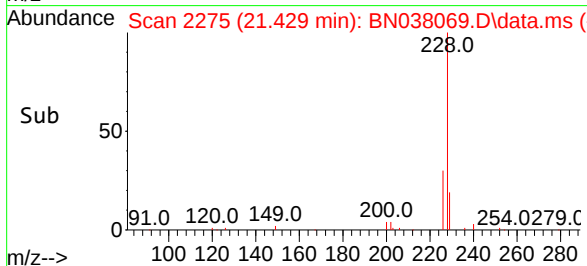
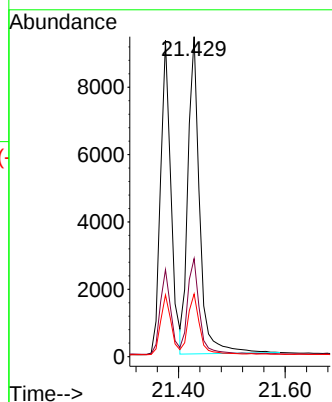
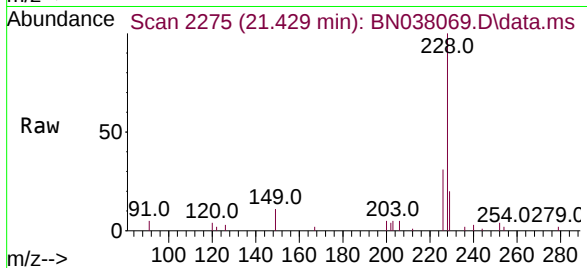
Tgt Ion:228 Resp: 14417

Ion Ratio Lower Upper

228 100

226 30.6 24.6 37.0

229 19.6 15.6 23.4



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.472 ng

RT: 21.313 min Scan# 2262

Delta R.T. -0.009 min

Lab File: BN038069.D

Acq: 13 Oct 2025 15:35

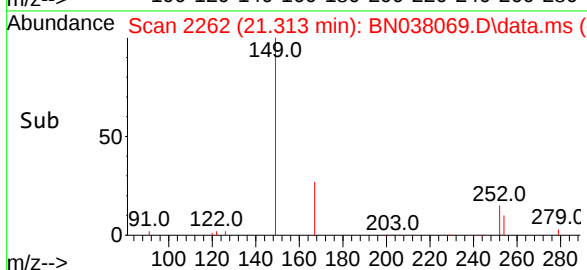
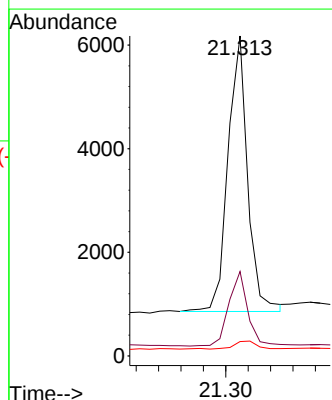
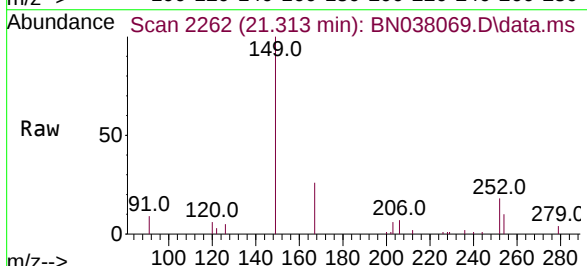
Tgt Ion:149 Resp: 6482

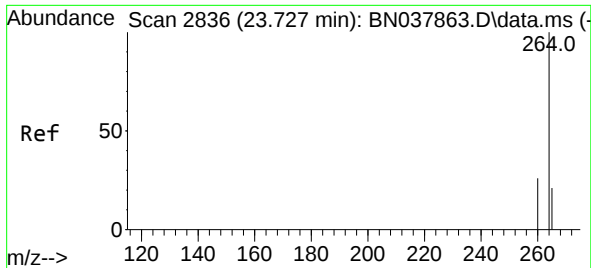
Ion Ratio Lower Upper

149 100

167 26.6 20.4 30.6

279 3.5 2.4 3.6

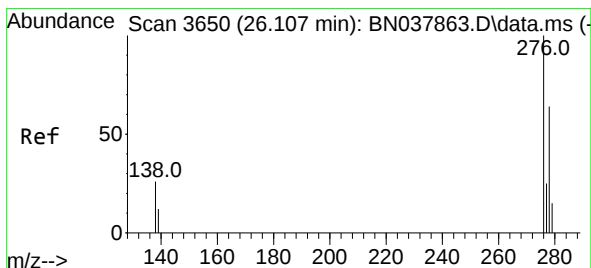
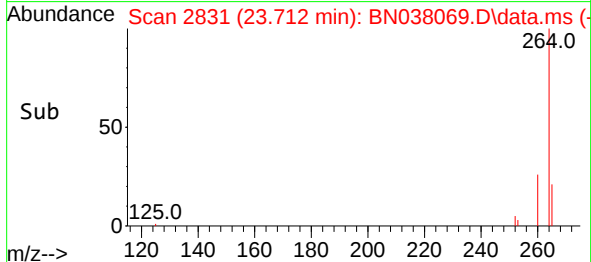
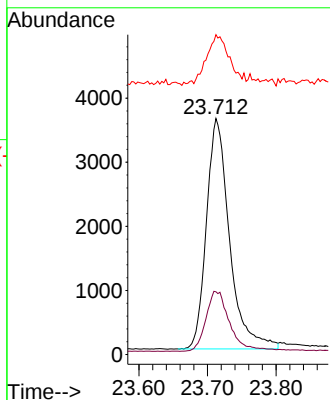
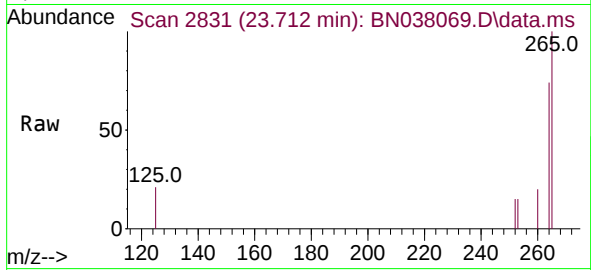




#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.712 min Scan# 2831  
Delta R.T. -0.015 min  
Lab File: BN038069.D  
Acq: 13 Oct 2025 15:35

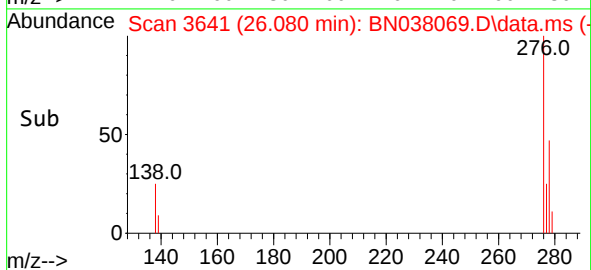
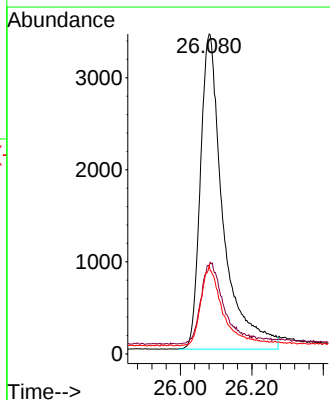
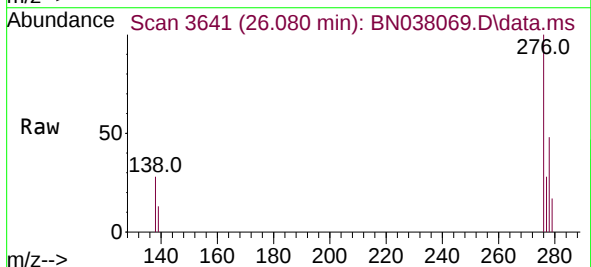
Instrument :  
BNA\_N  
ClientSampleId :  
PB169992BSD

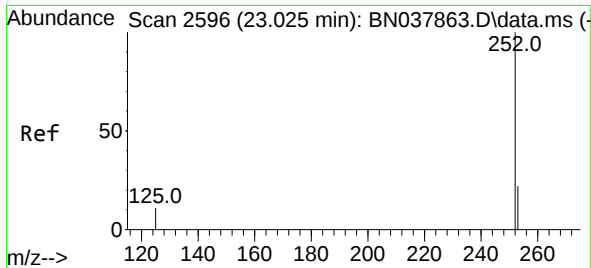
Tgt Ion:264 Resp: 8435  
Ion Ratio Lower Upper  
264 100  
260 26.6 21.5 32.3  
265 135.6 53.8 80.6#



#36  
Indeno(1,2,3-cd)pyrene  
Concen: 0.393 ng  
RT: 26.080 min Scan# 3641  
Delta R.T. -0.026 min  
Lab File: BN038069.D  
Acq: 13 Oct 2025 15:35

Tgt Ion:276 Resp: 15155  
Ion Ratio Lower Upper  
276 100  
138 26.1 21.4 32.0  
277 24.0 20.3 30.5





#37

Benzo(b)fluoranthene

Concen: 0.346 ng

RT: 23.011 min Scan# 21

Delta R.T. -0.015 min

Lab File: BN038069.D

Acq: 13 Oct 2025 15:35

Instrument :

BNA\_N

ClientSampleId :

PB169992BSD

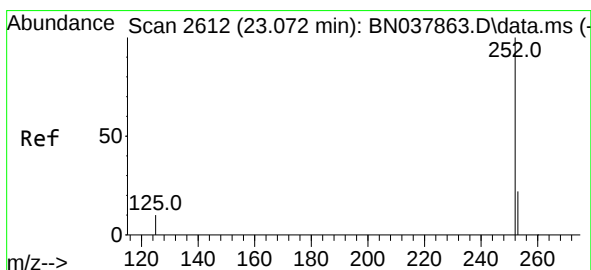
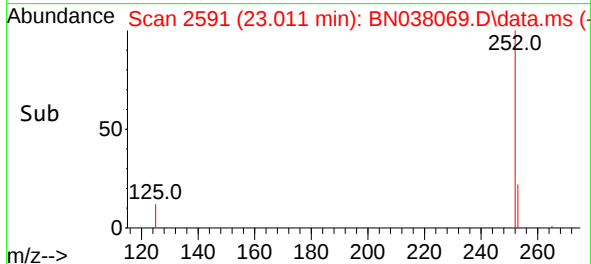
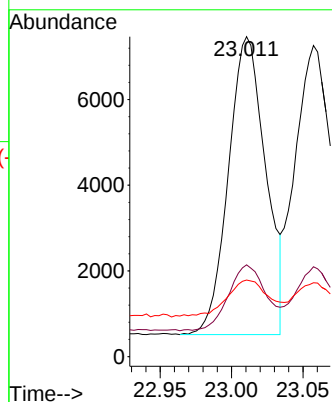
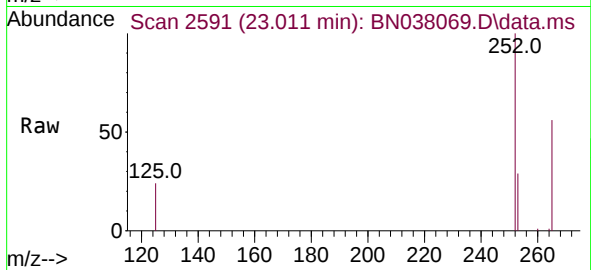
Tgt Ion:252 Resp: 12599

Ion Ratio Lower Upper

252 100

253 28.7 19.4 29.0

125 23.9 13.0 19.4#



#38

Benzo(k)fluoranthene

Concen: 0.373 ng

RT: 23.057 min Scan# 2607

Delta R.T. -0.015 min

Lab File: BN038069.D

Acq: 13 Oct 2025 15:35

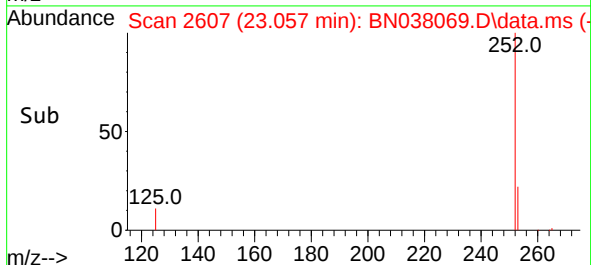
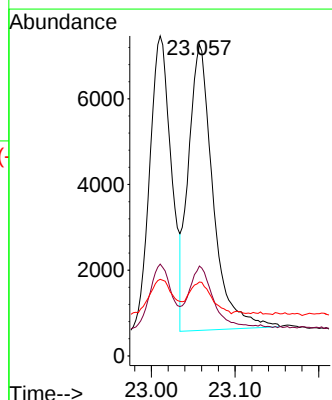
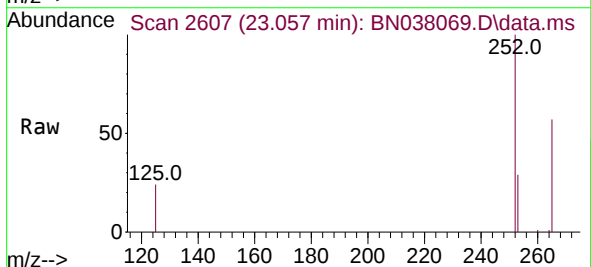
Tgt Ion:252 Resp: 13662

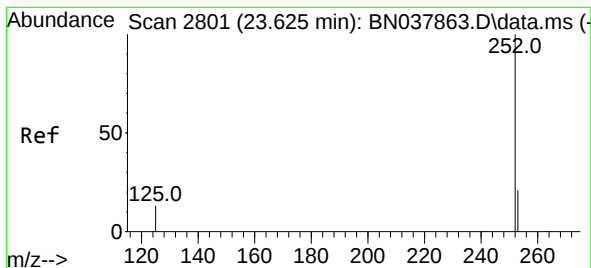
Ion Ratio Lower Upper

252 100

253 28.9 19.5 29.3

125 23.8 13.0 19.4#





#39

Benzo(a)pyrene

Concen: 0.389 ng

RT: 23.613 min Scan# 21

Delta R.T. -0.012 min

Lab File: BN038069.D

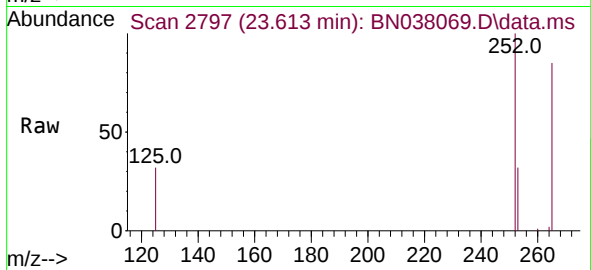
Acq: 13 Oct 2025 15:35

Instrument :

BNA\_N

ClientSampleId :

PB169992BSD



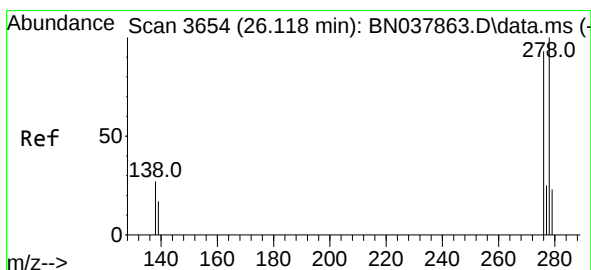
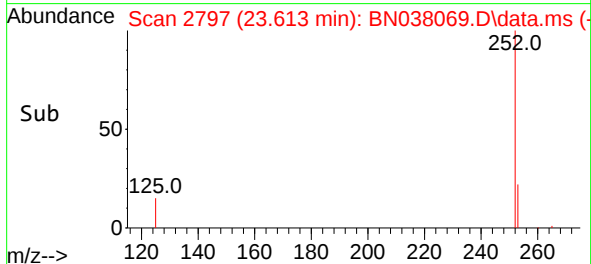
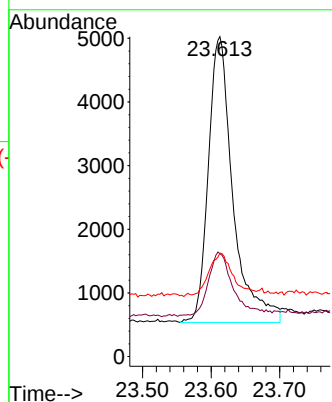
Tgt Ion:252 Resp: 11196

Ion Ratio Lower Upper

252 100

253 32.2 20.6 30.8#

125 32.3 16.7 25.1#



#40

Dibenzo(a,h)anthracene

Concen: 0.374 ng

RT: 26.101 min Scan# 3648

Delta R.T. -0.018 min

Lab File: BN038069.D

Acq: 13 Oct 2025 15:35

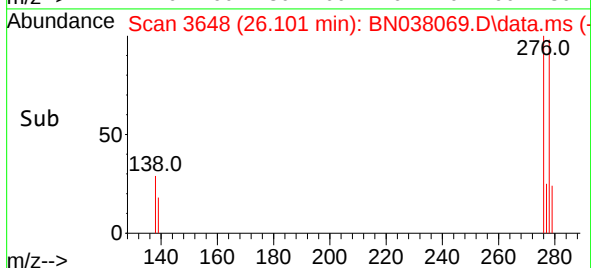
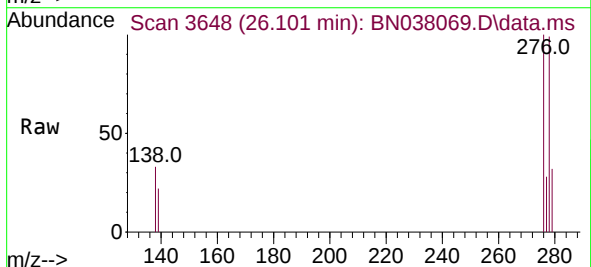
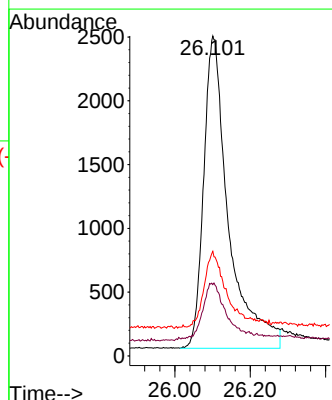
Tgt Ion:278 Resp: 11246

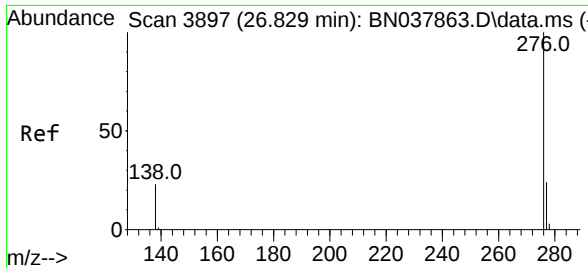
Ion Ratio Lower Upper

278 100

139 22.3 15.4 23.2

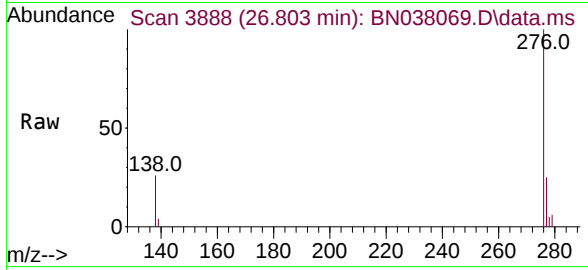
279 32.7 20.8 31.2#





#41  
Benzo(g,h,i)perylene  
Concen: 0.427 ng  
RT: 26.803 min Scan# 38  
Delta R.T. -0.026 min  
Lab File: BN038069.D  
Acq: 13 Oct 2025 15:35

Instrument :  
BNA\_N  
ClientSampleId :  
PB169992BSD



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 13512 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 277       | 25.0  | 20.2  | 30.4  |
| 138       | 26.1  | 19.8  | 29.8  |

