

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN081925\  
 Data File : BN037623.D  
 Acq On : 20 Aug 2025 07:13  
 Operator : RC/JU  
 Sample : Q2881-01  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RW8-SP100-20250814

Quant Time: Aug 20 08:17:03 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN081225.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 13 05:00:58 2025  
 Response via : Initial Calibration

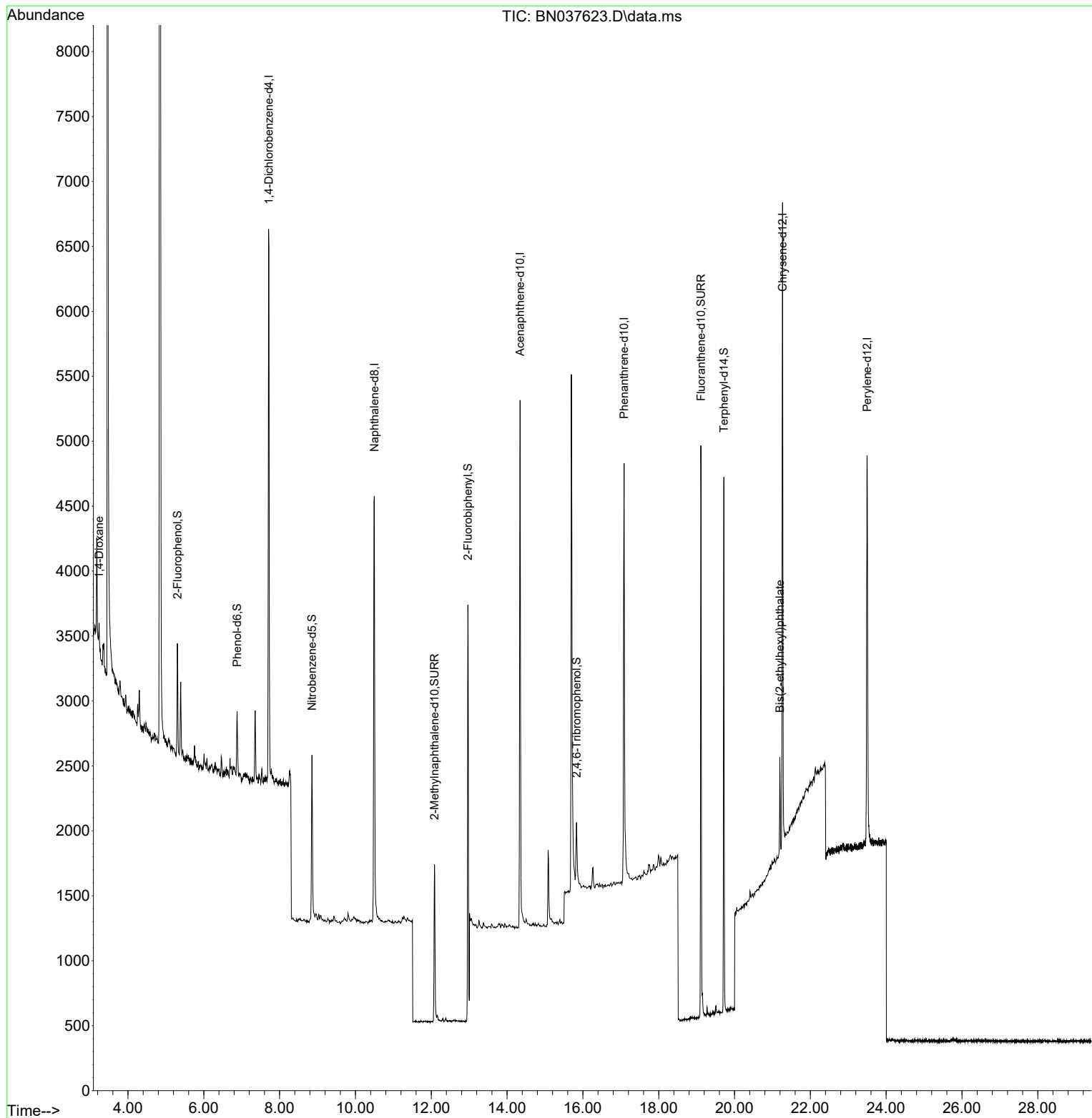
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.717  | 152  | 2130     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.498 | 136  | 4994     | 0.400 | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.345 | 164  | 2388     | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.086 | 188  | 5113     | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.268 | 240  | 4521     | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 23.499 | 264  | 4086     | 0.400 | ng    | # 0.00   |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.305  | 112  | 640      | 0.133 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.879  | 99   | 437      | 0.075 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.854  | 82   | 1120     | 0.318 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.086 | 152  | 1772     | 0.261 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.833 | 330  | 366      | 0.350 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 12.968 | 172  | 4248     | 0.308 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.113 | 212  | 4954     | 0.368 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.717 | 244  | 3923     | 0.422 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
| 2) 1,4-Dioxane                | 3.239  | 88   | 133      | 0.065 | ng    | # 14     |
| 34) Bis(2-ethylhexyl)phtha... | 21.196 | 149  | 697      | 0.112 | ng    | # 98     |
| -----                         |        |      |          |       |       |          |

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

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Sample : Q2881-01  
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Instrument :  
BNA\_N  
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RW8-SP100-20250814

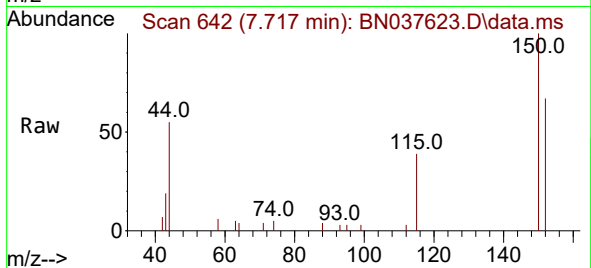
Quant Time: Aug 20 08:17:03 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN081225.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 13 05:00:58 2025  
Response via : Initial Calibration



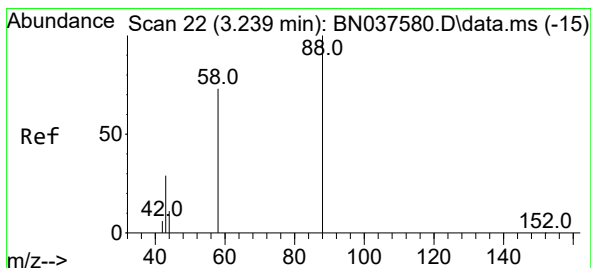
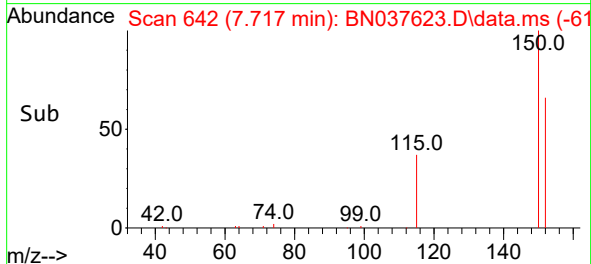
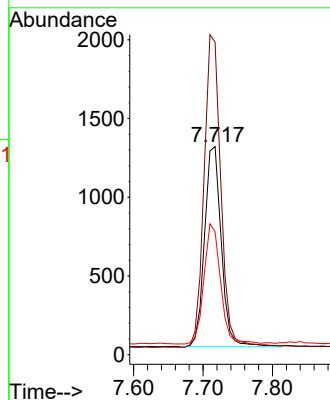


#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.717 min Scan# 64  
 Delta R.T. 0.000 min  
 Lab File: BN037623.D  
 Acq: 20 Aug 2025 07:13

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RW8-SP100-20250814

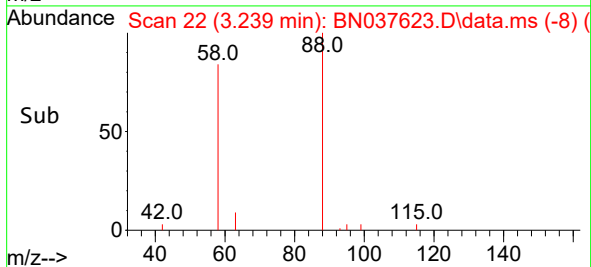
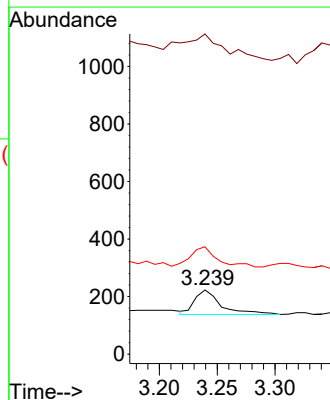
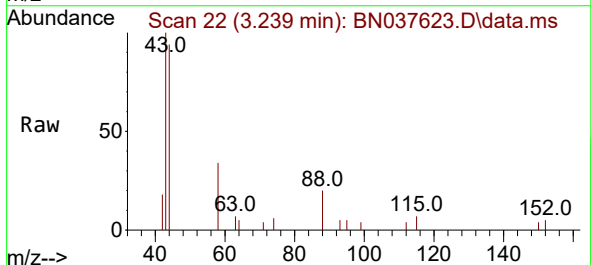


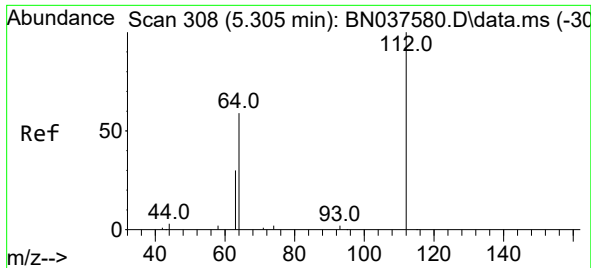
Tgt Ion:152 Resp: 2130  
 Ion Ratio Lower Upper  
 152 100  
 150 150.0 122.2 183.4  
 115 59.1 49.8 74.6



#2  
 1,4-Dioxane  
 Concen: 0.065 ng  
 RT: 3.239 min Scan# 22  
 Delta R.T. 0.000 min  
 Lab File: BN037623.D  
 Acq: 20 Aug 2025 07:13

Tgt Ion: 88 Resp: 133  
 Ion Ratio Lower Upper  
 88 100  
 43 184.2 25.8 38.6#  
 58 82.7 61.2 91.8





#4

2-Fluorophenol

Concen: 0.133 ng

RT: 5.305 min Scan# 308

Delta R.T. 0.000 min

Lab File: BN037623.D

Acq: 20 Aug 2025 07:13

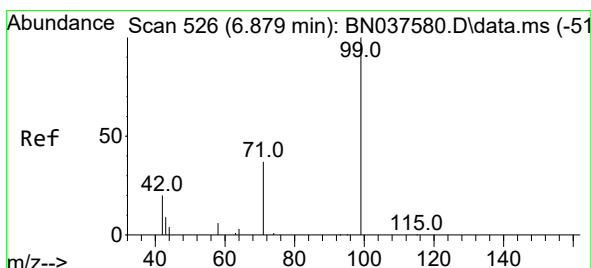
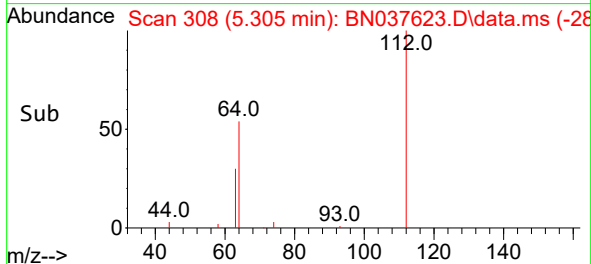
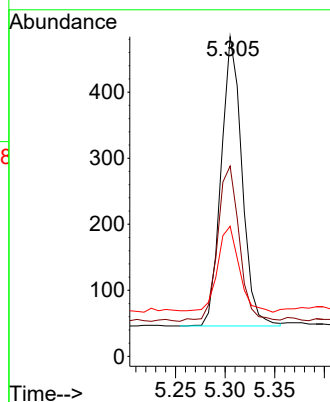
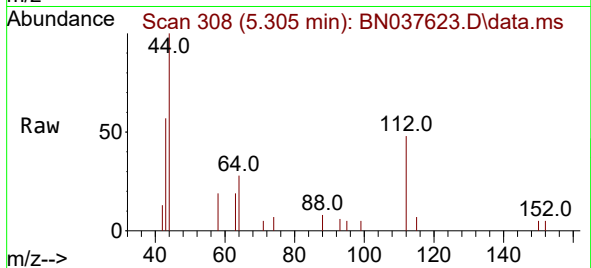
Instrument :

BNA\_N

ClientSampleId :

RW8-SP100-20250814

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 112   | Resp: | 640  |
| Ion Ratio | Lower | Upper |      |
| 112       | 100   |       |      |
| 64        | 56.1  | 44.9  | 67.3 |
| 63        | 31.3  | 23.4  | 35.2 |



#5

Phenol-d6

Concen: 0.075 ng

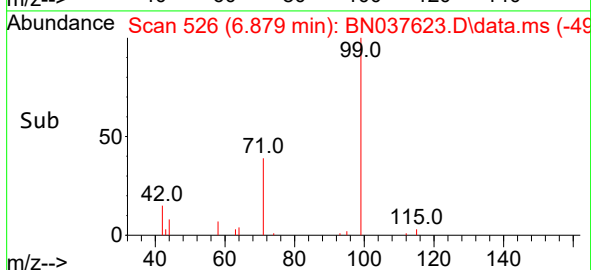
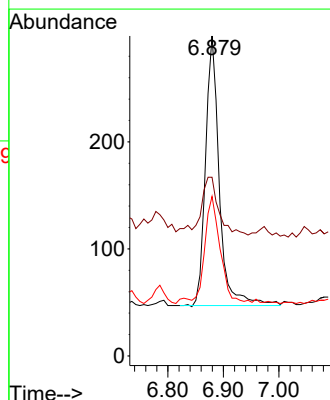
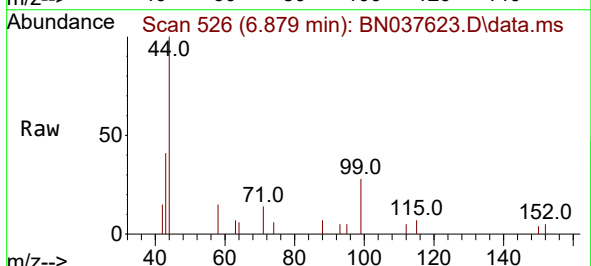
RT: 6.879 min Scan# 526

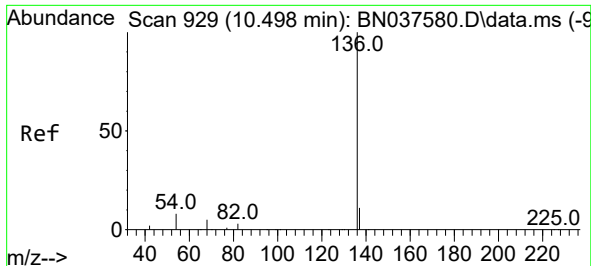
Delta R.T. 0.000 min

Lab File: BN037623.D

Acq: 20 Aug 2025 07:13

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 99    | Resp: | 437  |
| Ion Ratio | Lower | Upper |      |
| 99        | 100   |       |      |
| 42        | 26.8  | 18.5  | 27.7 |
| 71        | 41.6  | 28.6  | 42.8 |

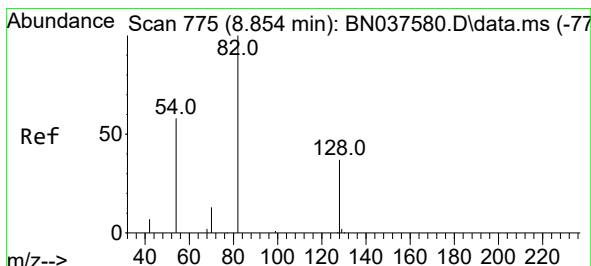
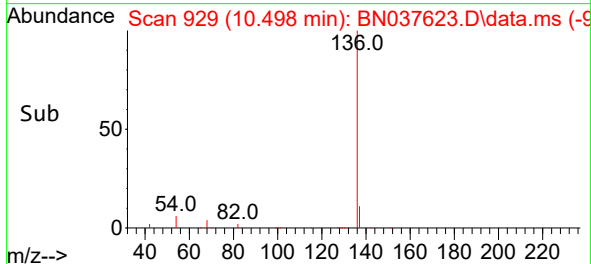
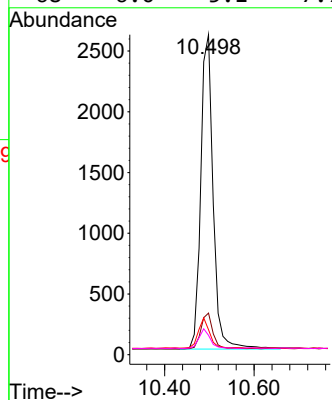
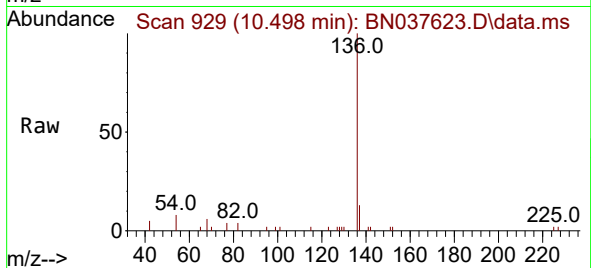




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.498 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: BN037623.D  
Acq: 20 Aug 2025 07:13

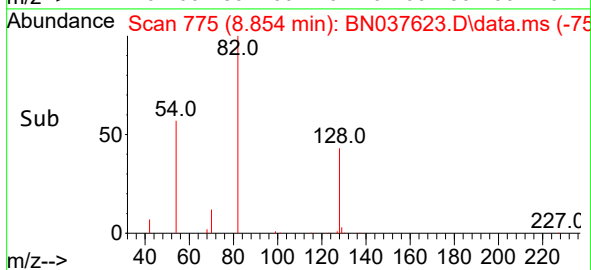
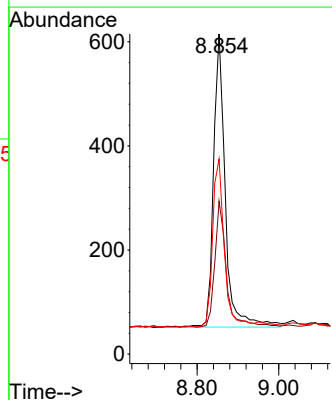
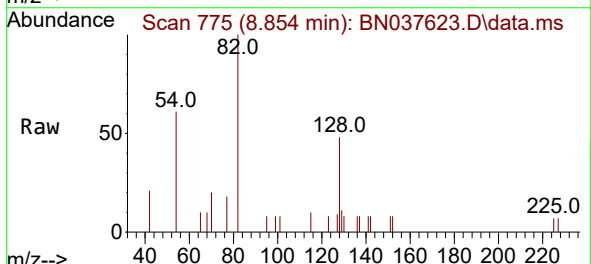
Instrument :  
BNA\_N  
ClientSampleId :  
RW8-SP100-20250814

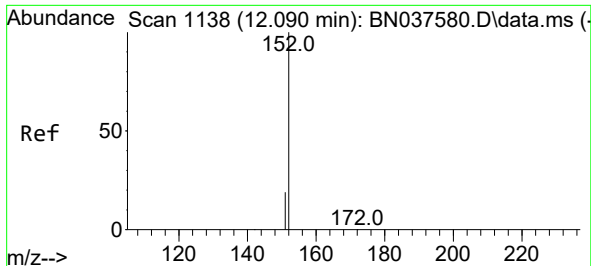
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 4994  |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 13.0  | 9.5   | 14.3  |
| 54       | 7.8   | 7.3   | 10.9  |
| 68       | 6.0   | 5.1   | 7.7   |



#8  
Nitrobenzene-d5  
Concen: 0.318 ng  
RT: 8.854 min Scan# 775  
Delta R.T. 0.000 min  
Lab File: BN037623.D  
Acq: 20 Aug 2025 07:13

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 1120  |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 47.8  | 32.6  | 48.8  |
| 54       | 61.0  | 48.9  | 73.3  |

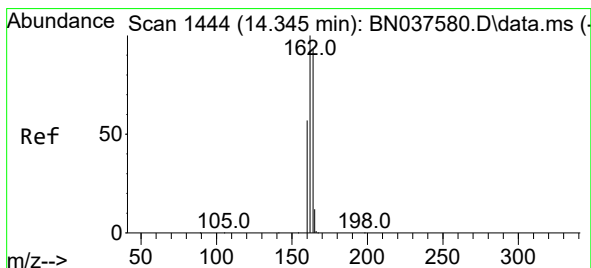
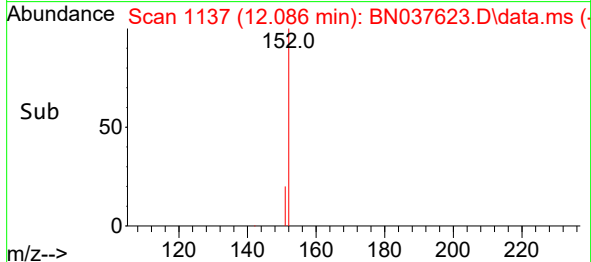
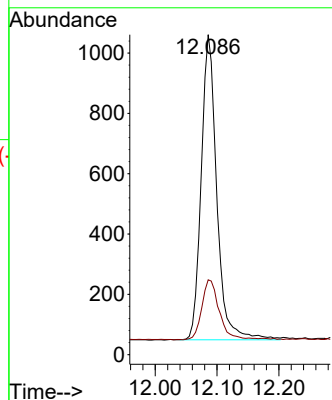
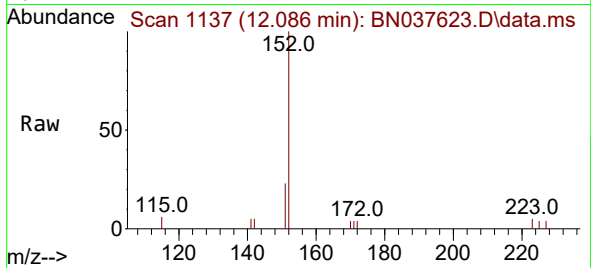




#11  
2-Methylnaphthalene-d10  
Concen: 0.261 ng  
RT: 12.086 min Scan# 1138  
Delta R.T. -0.005 min  
Lab File: BN037623.D  
Acq: 20 Aug 2025 07:13

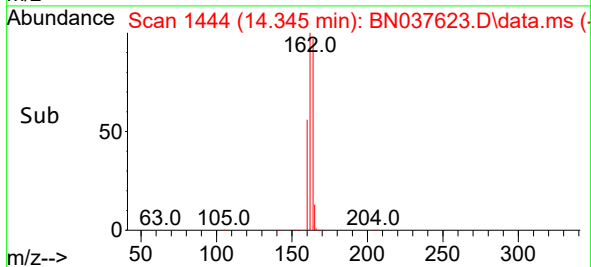
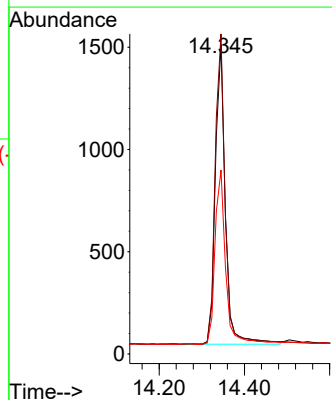
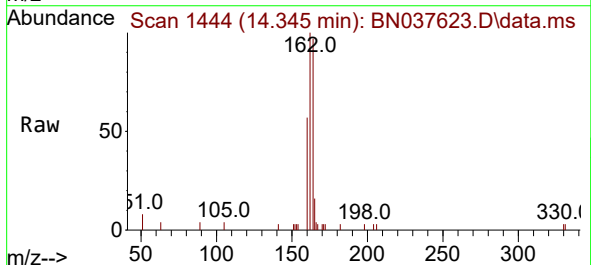
Instrument :  
BNA\_N  
ClientSampleId :  
RW8-SP100-20250814

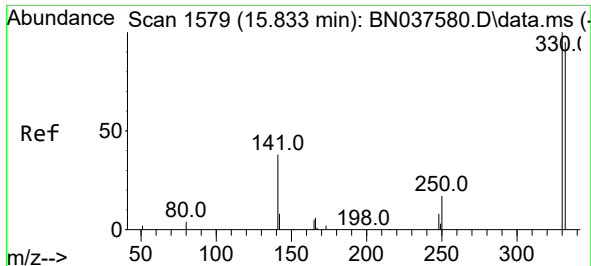
Tgt Ion:152 Resp: 1772  
Ion Ratio Lower Upper  
152 100  
151 22.1 17.3 25.9



#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.345 min Scan# 1444  
Delta R.T. 0.000 min  
Lab File: BN037623.D  
Acq: 20 Aug 2025 07:13

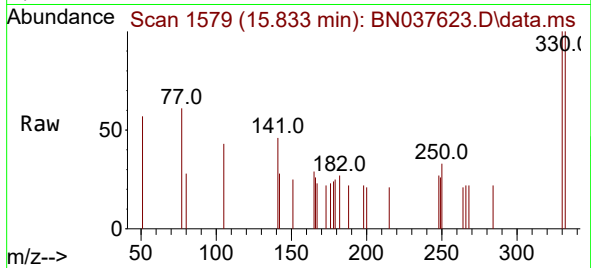
Tgt Ion:164 Resp: 2388  
Ion Ratio Lower Upper  
164 100  
162 103.4 85.5 128.3  
160 59.4 49.5 74.3



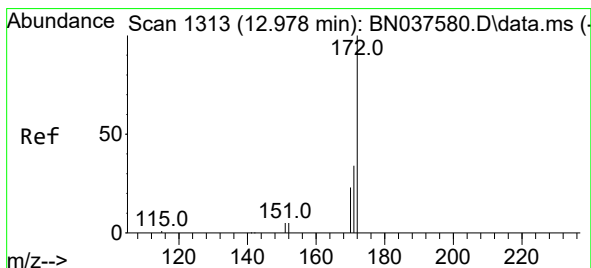
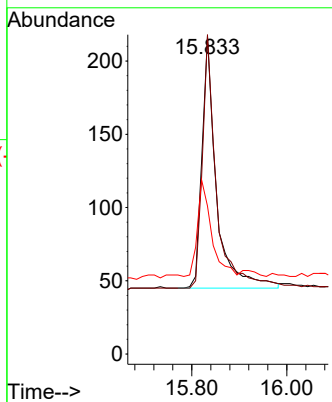
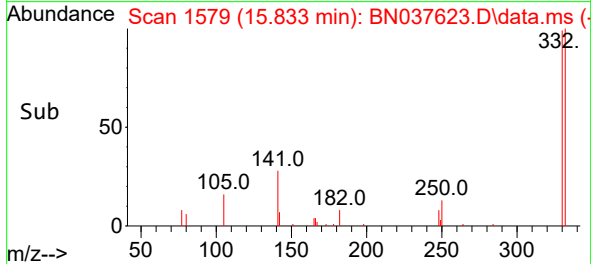


#14  
2,4,6-Tribromophenol  
Concen: 0.350 ng  
RT: 15.833 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BN037623.D  
Acq: 20 Aug 2025 07:13

Instrument :  
BNA\_N  
ClientSampleId :  
RW8-SP100-20250814

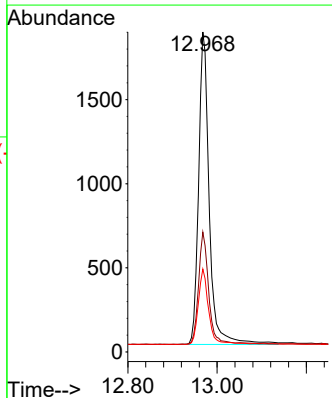
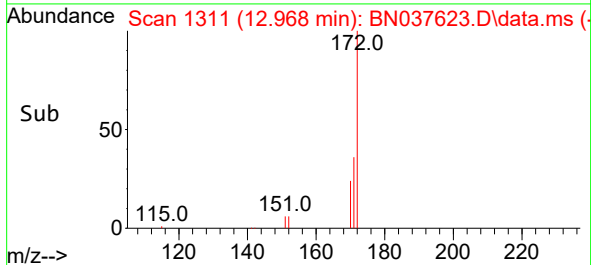
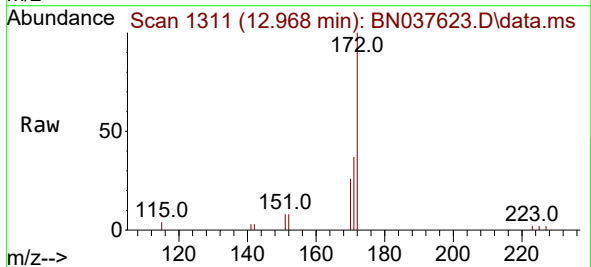


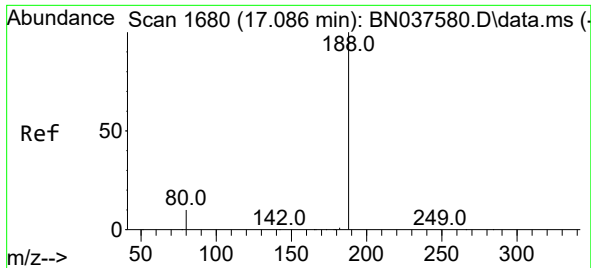
Tgt Ion:330 Resp: 366  
Ion Ratio Lower Upper  
330 100  
332 97.5 77.4 116.0  
141 37.4 30.9 46.3



#15  
2-Fluorobiphenyl  
Concen: 0.308 ng  
RT: 12.968 min Scan# 1311  
Delta R.T. -0.010 min  
Lab File: BN037623.D  
Acq: 20 Aug 2025 07:13

Tgt Ion:172 Resp: 4248  
Ion Ratio Lower Upper  
172 100  
171 37.4 28.2 42.4  
170 25.9 19.2 28.8

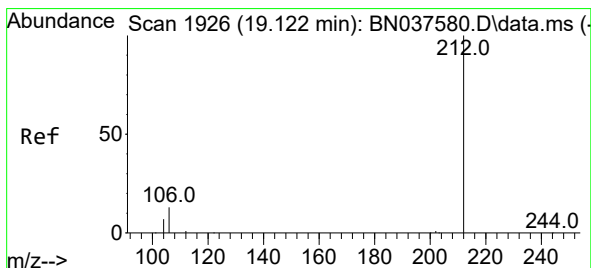
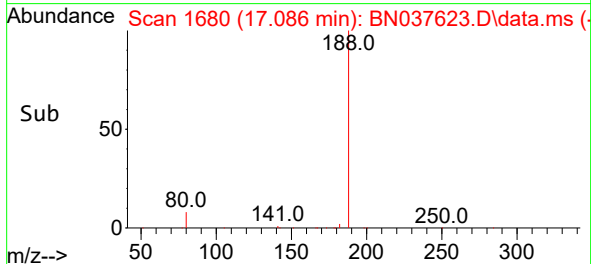
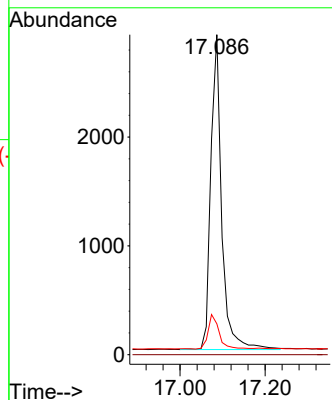
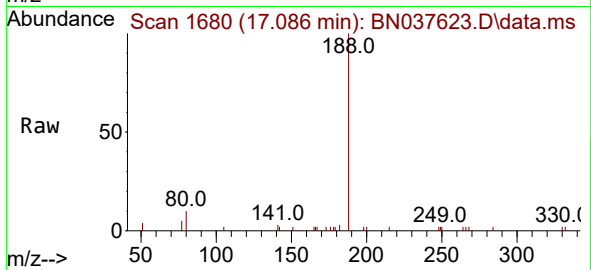




#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.086 min Scan# 1680  
Delta R.T. 0.000 min  
Lab File: BN037623.D  
Acq: 20 Aug 2025 07:13

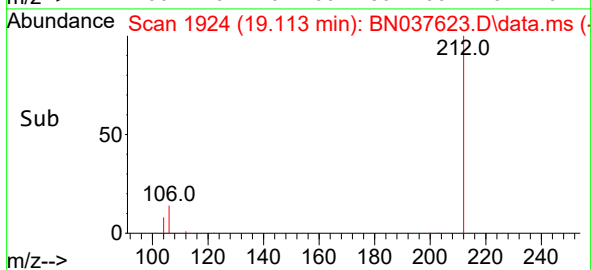
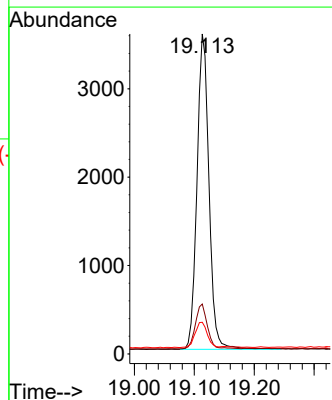
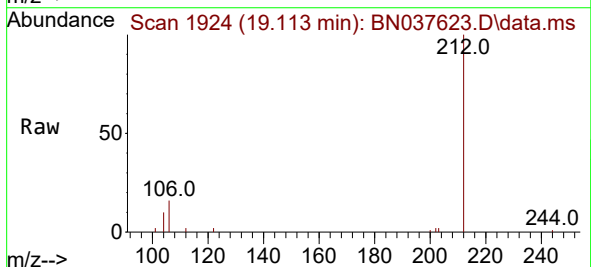
Instrument :  
BNA\_N  
ClientSampleId :  
RW8-SP100-20250814

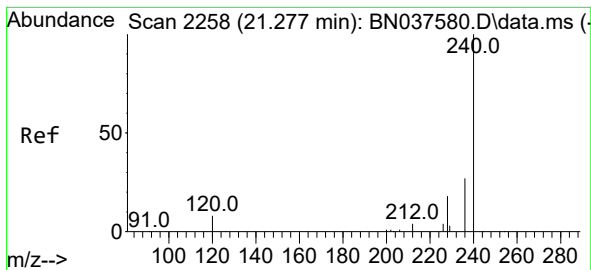
Tgt Ion:188 Resp: 5113  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 9.7 9.1 13.7



#27  
Fluoranthene-d10  
Concen: 0.368 ng  
RT: 19.113 min Scan# 1924  
Delta R.T. -0.009 min  
Lab File: BN037623.D  
Acq: 20 Aug 2025 07:13

Tgt Ion:212 Resp: 4954  
Ion Ratio Lower Upper  
212 100  
106 14.3 11.5 17.3  
104 8.1 6.6 9.8





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.268 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN037623.D

Acq: 20 Aug 2025 07:13

Instrument :

BNA\_N

ClientSampleId :

RW8-SP100-20250814

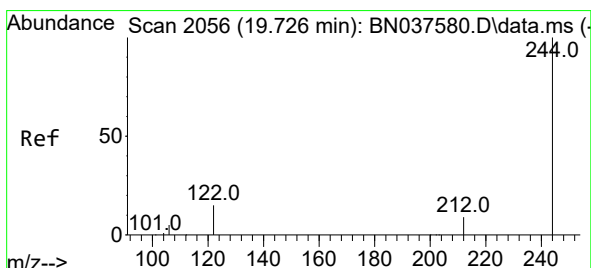
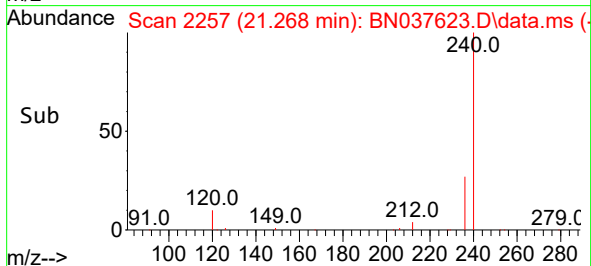
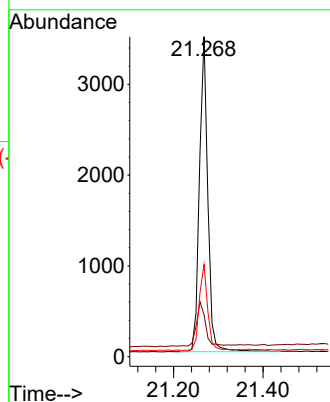
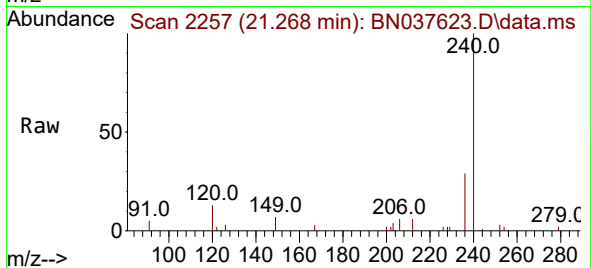
Tgt Ion:240 Resp: 4521

Ion Ratio Lower Upper

240 100

120 13.1 8.9 13.3

236 28.8 22.6 33.8



#31

Terphenyl-d14

Concen: 0.422 ng

RT: 19.717 min Scan# 2054

Delta R.T. -0.009 min

Lab File: BN037623.D

Acq: 20 Aug 2025 07:13

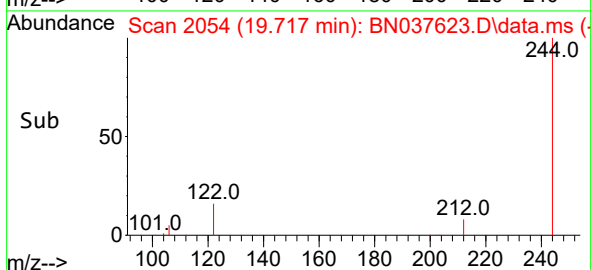
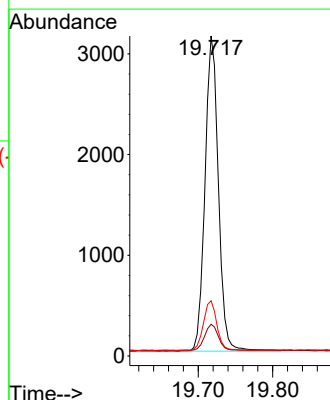
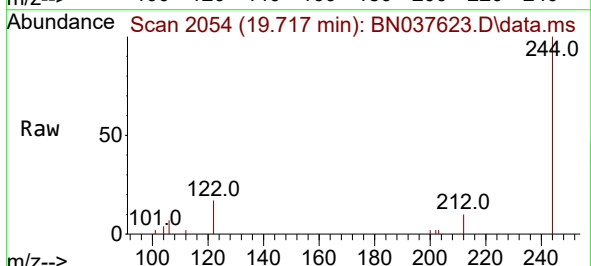
Tgt Ion:244 Resp: 3923

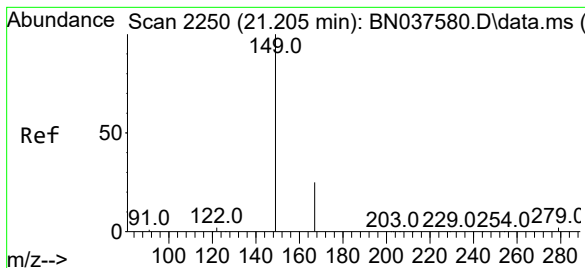
Ion Ratio Lower Upper

244 100

212 9.9 8.2 12.2

122 17.3 13.2 19.8

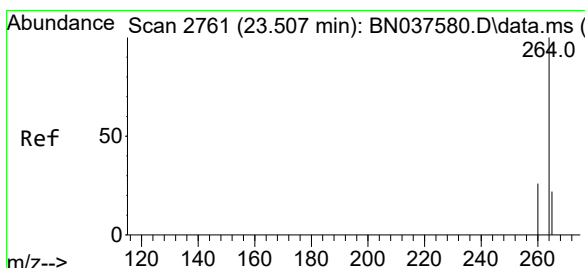
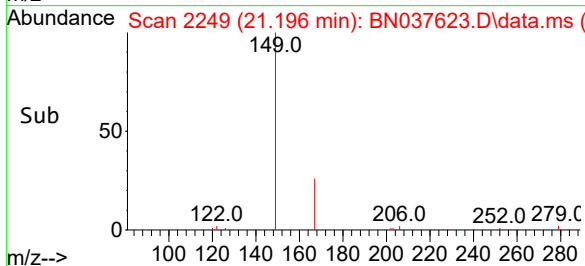
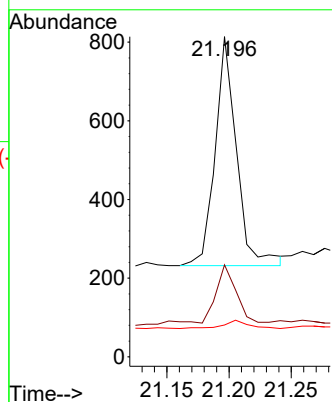
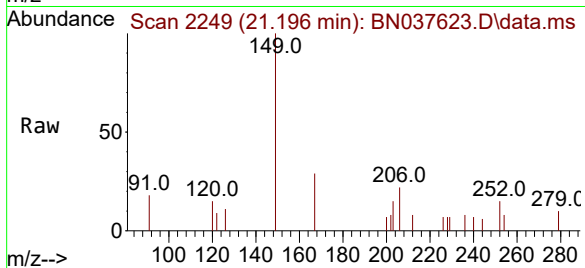




#34  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.112 ng  
 RT: 21.196 min Scan# 2119  
 Delta R.T. -0.009 min  
 Lab File: BN037623.D  
 Acq: 20 Aug 2025 07:13

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RW8-SP100-20250814

Tgt Ion:149 Resp: 697  
 Ion Ratio Lower Upper  
 149 100  
 167 26.7 20.5 30.7  
 279 4.2 2.6 4.0#



#35  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.499 min Scan# 2758  
 Delta R.T. -0.009 min  
 Lab File: BN037623.D  
 Acq: 20 Aug 2025 07:13

Tgt Ion:264 Resp: 4086  
 Ion Ratio Lower Upper  
 264 100  
 260 26.5 21.6 32.4  
 265 74.8 48.2 72.4#

