

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN030725\  
 Data File : BN036550.D  
 Acq On : 07 Mar 2025 16:49  
 Operator : RC/JU  
 Sample : Q1500-05  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MW179D1-20250305

Quant Time: Mar 07 17:12:11 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN021025.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 05 16:08:57 2025  
 Response via : Initial Calibration

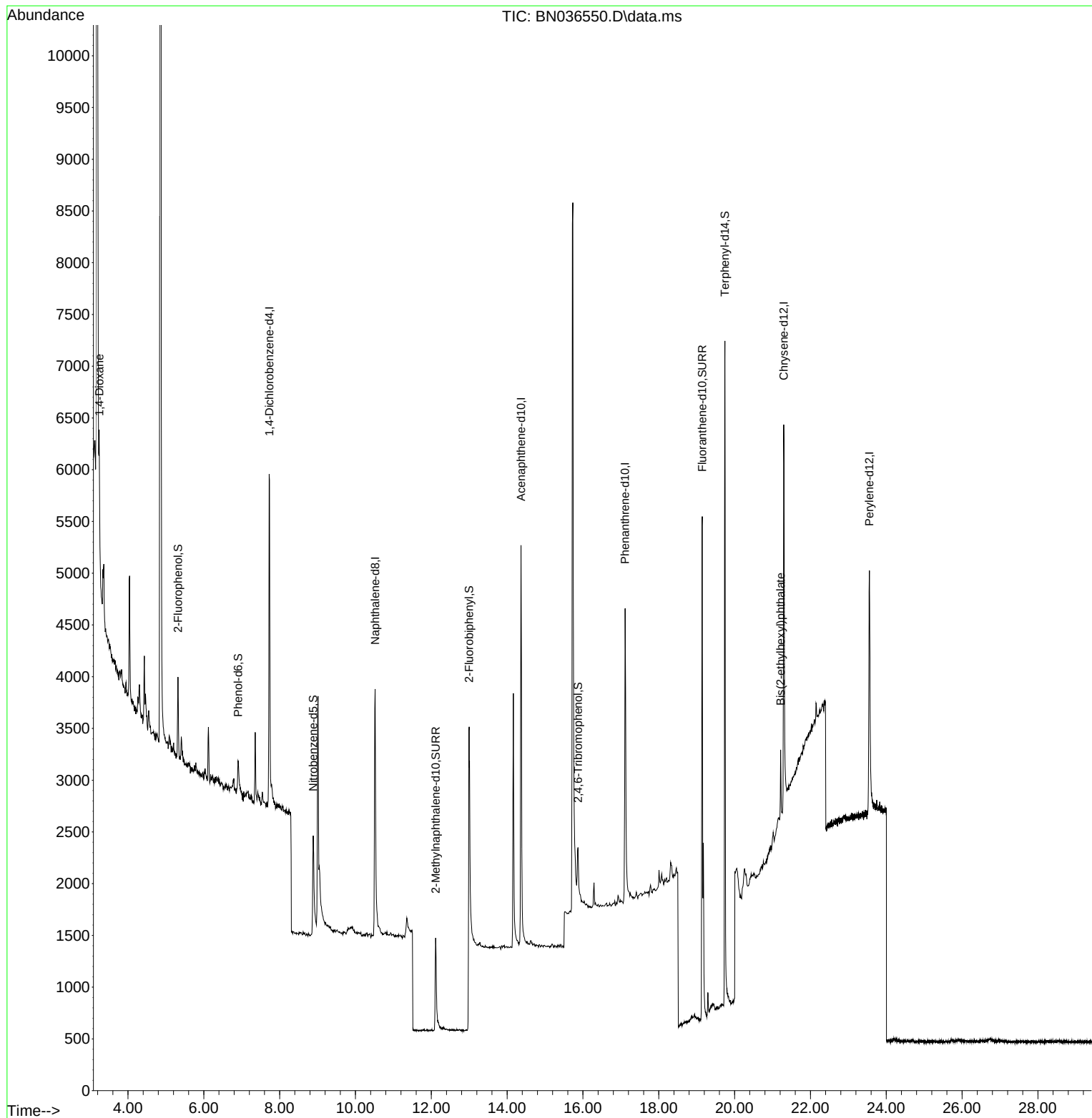
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.732  | 152  | 1774     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.520 | 136  | 4075     | 0.400 | ng    | 0.01     |
| 13) Acenaphthene-d10          | 14.366 | 164  | 2479     | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.111 | 188  | 5157     | 0.400 | ng    | # 0.00   |
| 29) Chrysene-d12              | 21.295 | 240  | 4384     | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 23.554 | 264  | 4009     | 0.400 | ng    | # 0.00   |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.319  | 112  | 564      | 0.135 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.908  | 99   | 415      | 0.084 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.886  | 82   | 1231     | 0.306 | ng    | 0.01     |
| 11) 2-Methylnaphthalene-d10   | 12.116 | 152  | 1946     | 0.311 | ng    | 0.01     |
| 14) 2,4,6-Tribromophenol      | 15.870 | 330  | 362      | 0.295 | ng    | 0.01     |
| 15) 2-Fluorobiphenyl          | 12.998 | 172  | 5047     | 0.541 | ng    | 0.01     |
| 27) Fluoranthene-d10          | 19.146 | 212  | 6183     | 0.431 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.745 | 244  | 6846     | 0.732 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.247  | 88   | 571      | 0.294 | ng    | # 83     |
| 34) Bis(2-ethylhexyl)phtha... | 21.214 | 149  | 583      | 0.065 | ng    | # 97     |
| -----                         |        |      |          |       |       |          |

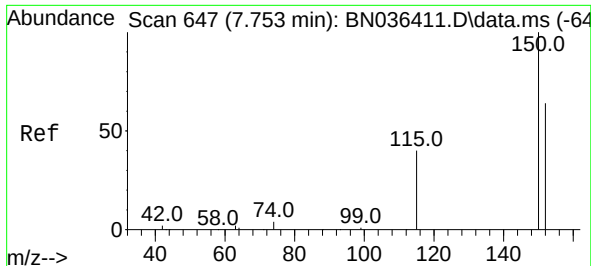
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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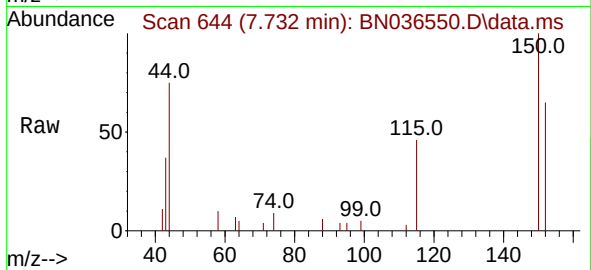
Quant Time: Mar 07 17:12:11 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN021025.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Mar 05 16:08:57 2025  
Response via : Initial Calibration



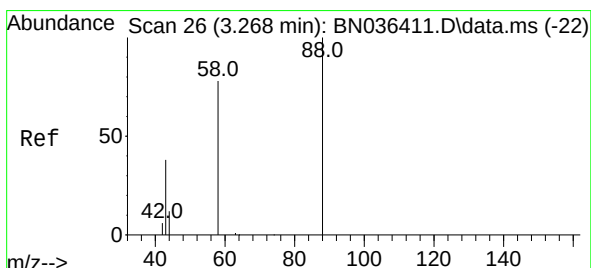
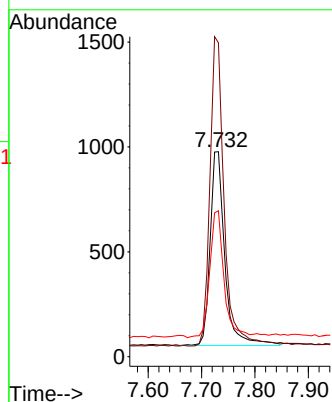
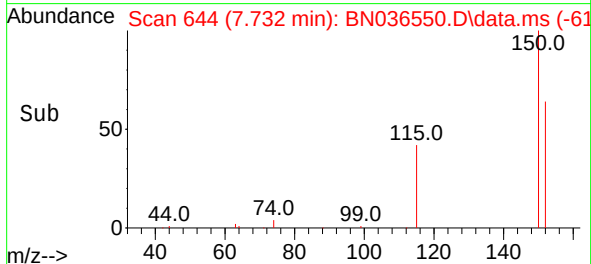


#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.732 min Scan# 64  
Delta R.T. -0.000 min  
Lab File: BN036550.D  
Acq: 07 Mar 2025 16:49

Instrument :  
BNA\_N  
ClientSampleId :  
MW179D1-20250305

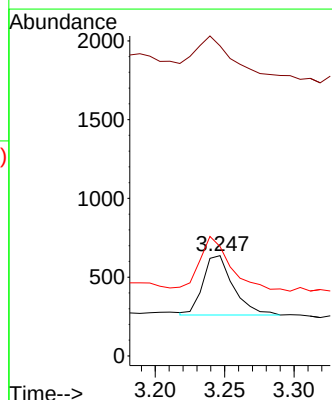
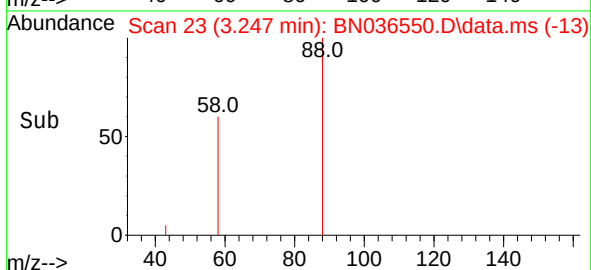
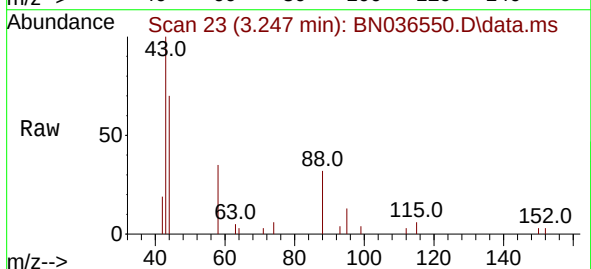


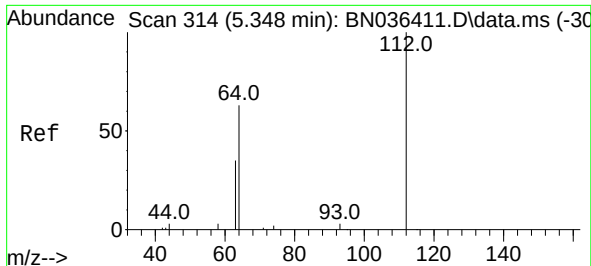
Tgt Ion:152 Resp: 1774  
Ion Ratio Lower Upper  
152 100  
150 153.2 123.7 185.5  
115 71.2 52.5 78.7



#2  
1,4-Dioxane  
Concen: 0.294 ng  
RT: 3.247 min Scan# 23  
Delta R.T. 0.000 min  
Lab File: BN036550.D  
Acq: 07 Mar 2025 16:49

Tgt Ion: 88 Resp: 571  
Ion Ratio Lower Upper  
88 100  
43 75.0 33.7 50.5#  
58 86.3 68.9 103.3





#4

2-Fluorophenol

Concen: 0.135 ng

RT: 5.319 min Scan# 314

Delta R.T. 0.000 min

Lab File: BN036550.D

Acq: 07 Mar 2025 16:49

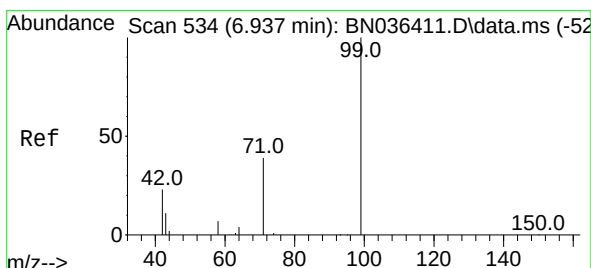
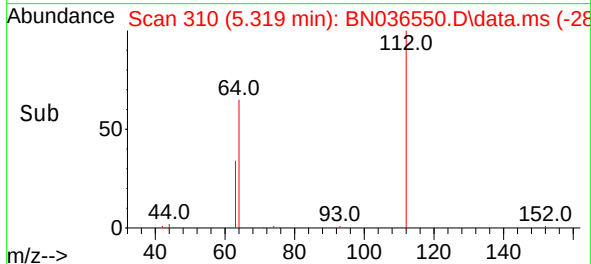
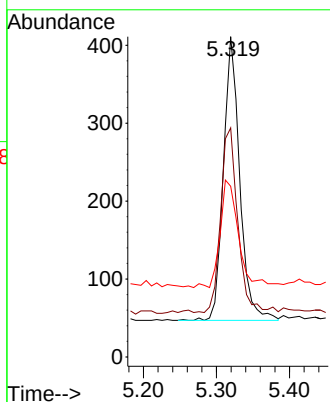
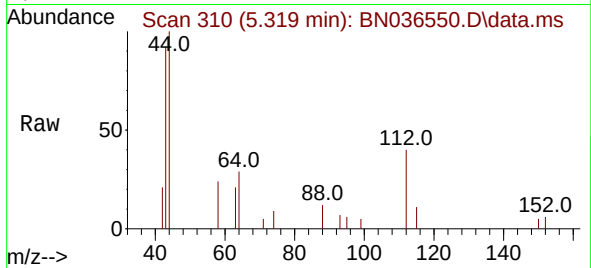
Instrument :

BNA\_N

ClientSampleId :

MW179D1-20250305

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 112   | Resp: | 564  |
| Ion Ratio | Lower | Upper |      |
| 112       | 100   |       |      |
| 64        | 67.7  | 53.4  | 80.0 |
| 63        | 42.0  | 30.3  | 45.5 |



#5

Phenol-d6

Concen: 0.084 ng

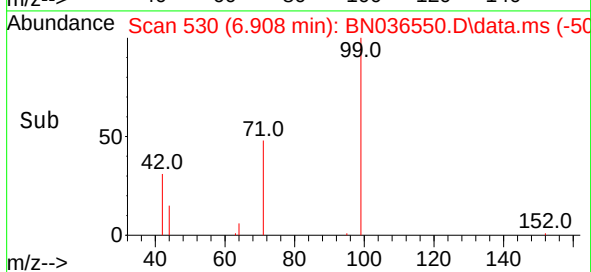
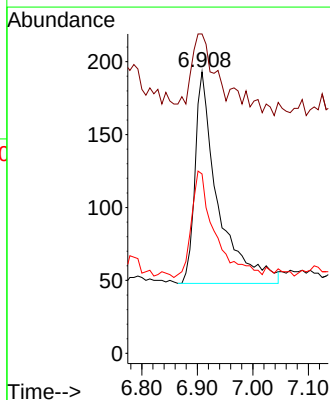
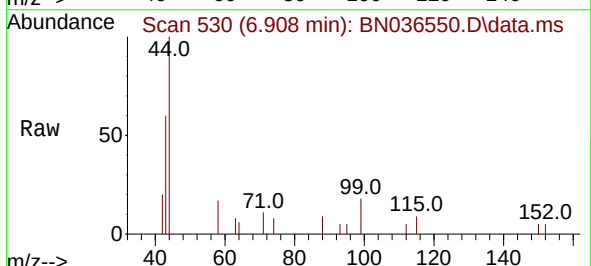
RT: 6.908 min Scan# 530

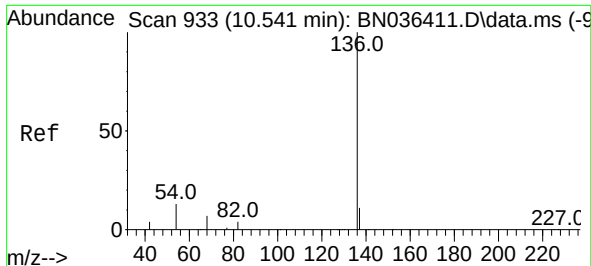
Delta R.T. 0.007 min

Lab File: BN036550.D

Acq: 07 Mar 2025 16:49

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 99    | Resp: | 415  |
| Ion Ratio | Lower | Upper |      |
| 99        | 100   |       |      |
| 42        | 31.1  | 21.7  | 32.5 |
| 71        | 51.3  | 32.6  | 49.0 |

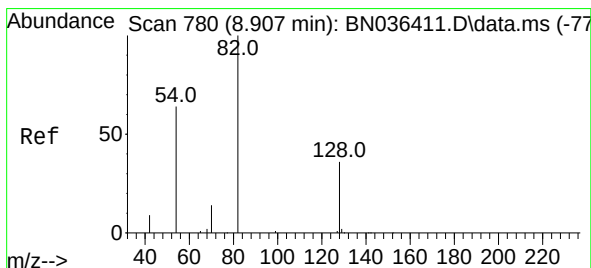
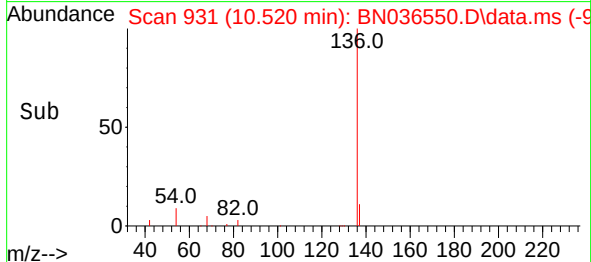
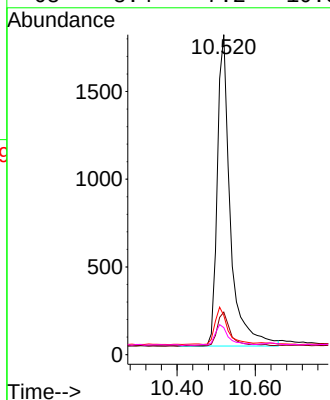
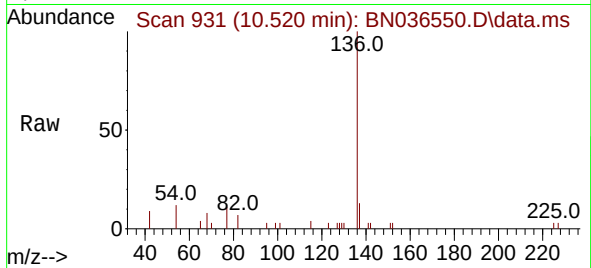




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.520 min Scan# 91  
Delta R.T. 0.011 min  
Lab File: BN036550.D  
Acq: 07 Mar 2025 16:49

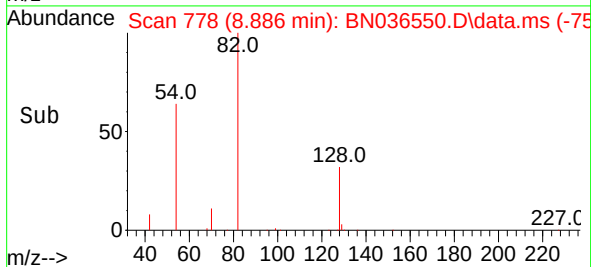
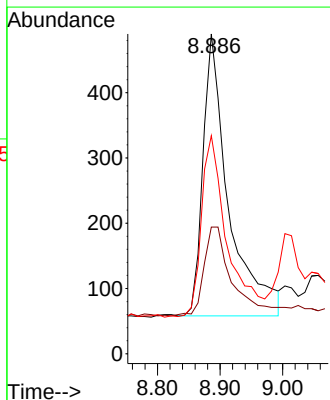
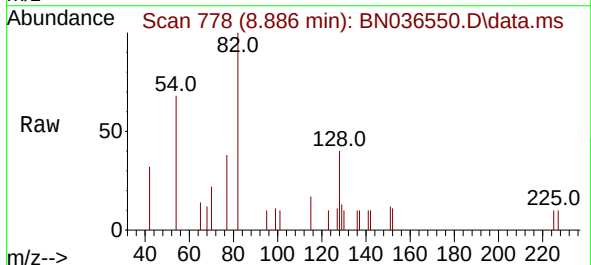
Instrument :  
BNA\_N  
ClientSampleId :  
MW179D1-20250305

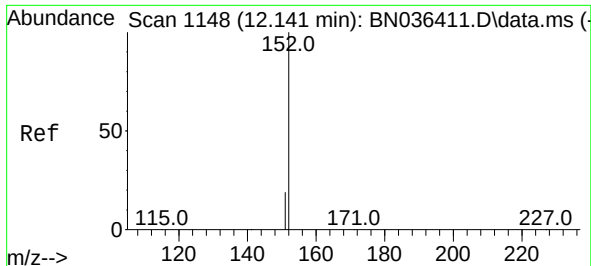
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 4075  |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 13.3  | 10.1  | 15.1  |
| 54       | 12.2  | 11.8  | 17.6  |
| 68       | 8.4   | 7.2   | 10.8  |



#8  
Nitrobenzene-d5  
Concen: 0.306 ng  
RT: 8.886 min Scan# 778  
Delta R.T. 0.011 min  
Lab File: BN036550.D  
Acq: 07 Mar 2025 16:49

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 1231  |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 39.6  | 31.9  | 47.9  |
| 54       | 68.2  | 53.1  | 79.7  |





#11

2-Methylnaphthalene-d10

Concen: 0.311 ng

RT: 12.116 min Scan# 1143

Delta R.T. 0.010 min

Lab File: BN036550.D

Acq: 07 Mar 2025 16:49

Instrument :

BNA\_N

ClientSampleId :

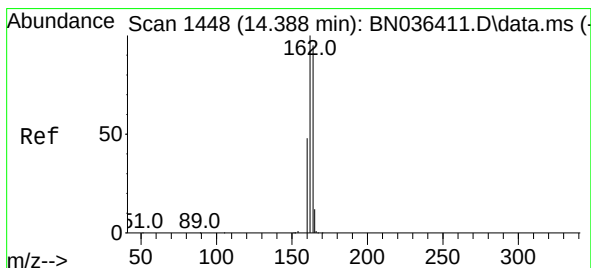
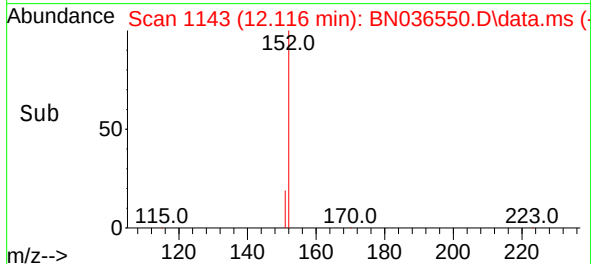
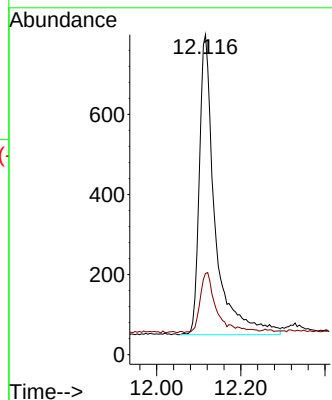
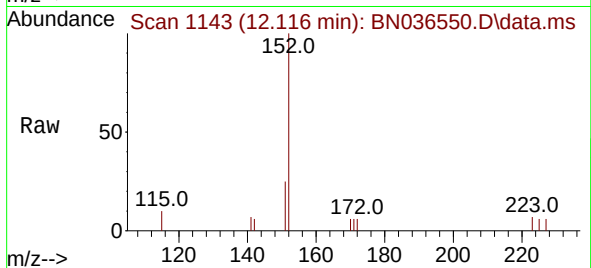
MW179D1-20250305

Tgt Ion:152 Resp: 1946

Ion Ratio Lower Upper

152 100

151 21.0 16.6 25.0



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.366 min Scan# 1446

Delta R.T. 0.000 min

Lab File: BN036550.D

Acq: 07 Mar 2025 16:49

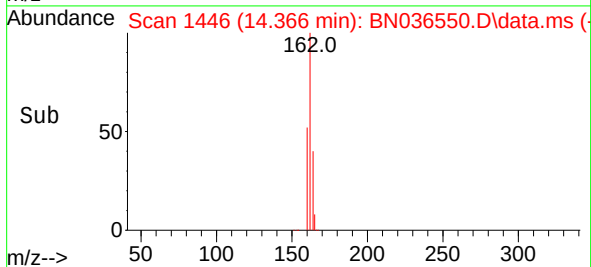
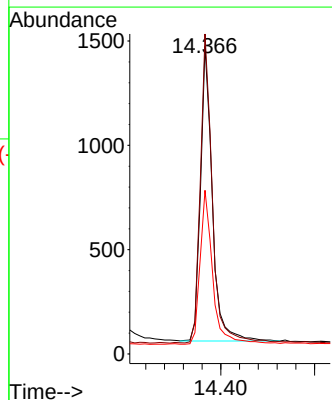
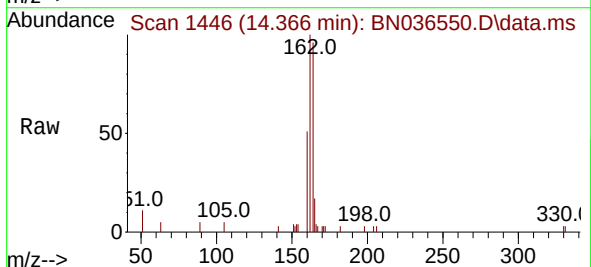
Tgt Ion:164 Resp: 2479

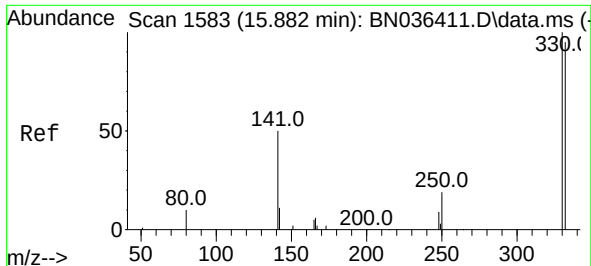
Ion Ratio Lower Upper

164 100

162 104.0 84.1 126.1

160 53.2 41.4 62.0





#14

2,4,6-Tribromophenol

Concen: 0.295 ng

RT: 15.870 min Scan# 11

Delta R.T. 0.012 min

Lab File: BN036550.D

Acq: 07 Mar 2025 16:49

Instrument :

BNA\_N

ClientSampleId :

MW179D1-20250305

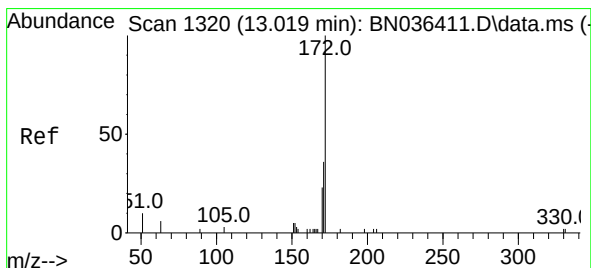
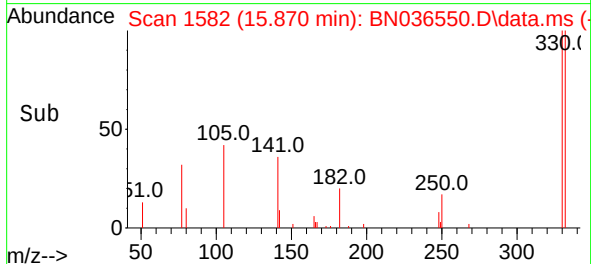
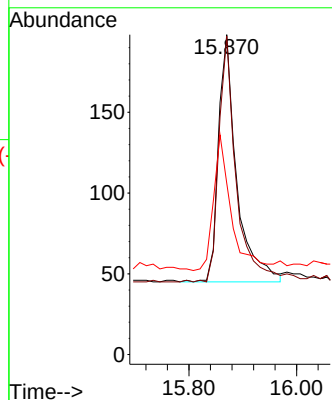
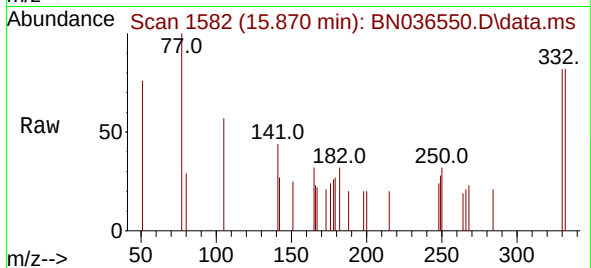
Tgt Ion:330 Resp: 362

Ion Ratio Lower Upper

330 100

332 95.6 76.6 114.8

141 52.2 37.8 56.8



#15

2-Fluorobiphenyl

Concen: 0.541 ng

RT: 12.998 min Scan# 1317

Delta R.T. 0.010 min

Lab File: BN036550.D

Acq: 07 Mar 2025 16:49

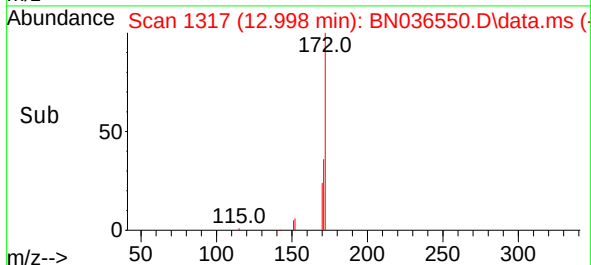
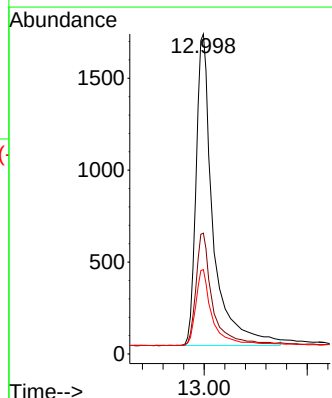
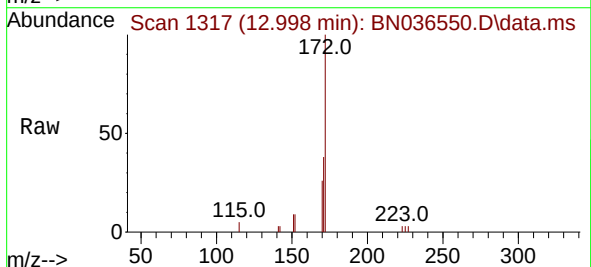
Tgt Ion:172 Resp: 5047

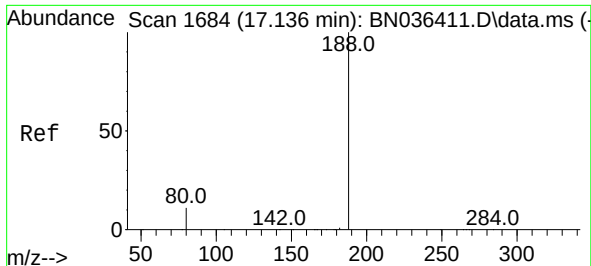
Ion Ratio Lower Upper

172 100

171 37.7 29.6 44.4

170 26.4 19.8 29.6





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.111 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN036550.D

Acq: 07 Mar 2025 16:49

Instrument :

BNA\_N

ClientSampleId :

MW179D1-20250305

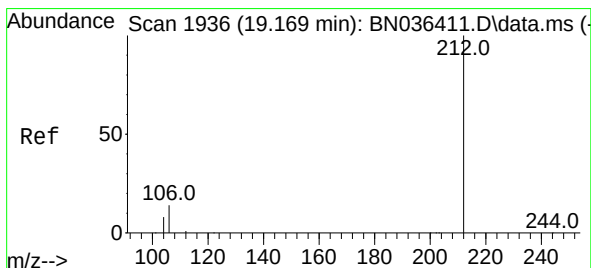
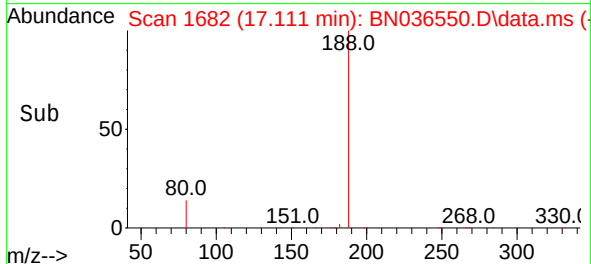
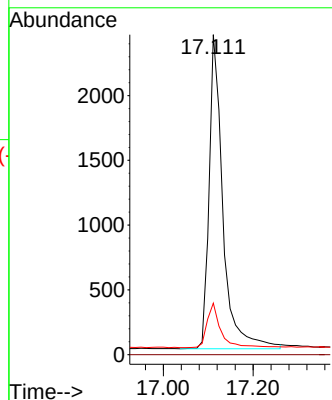
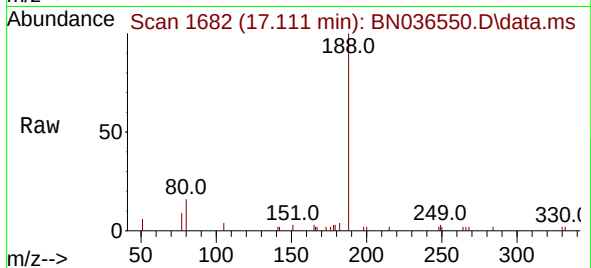
Tgt Ion:188 Resp: 5157

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 16.1 9.8 14.6#



#27

Fluoranthene-d10

Concen: 0.431 ng

RT: 19.146 min Scan# 1931

Delta R.T. 0.005 min

Lab File: BN036550.D

Acq: 07 Mar 2025 16:49

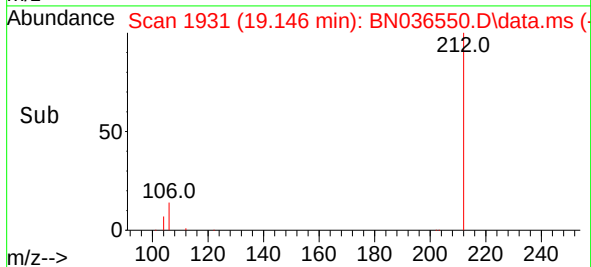
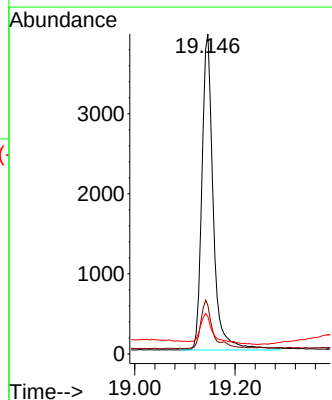
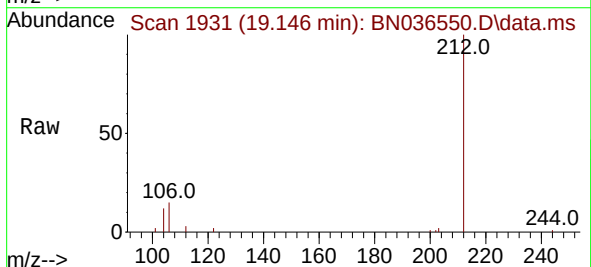
Tgt Ion:212 Resp: 6183

Ion Ratio Lower Upper

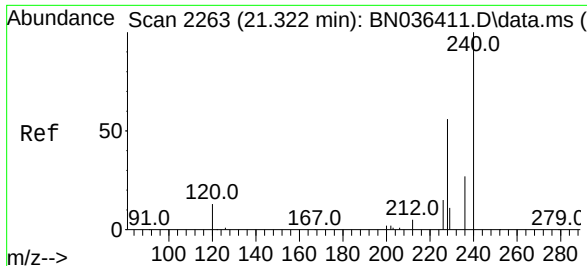
212 100

106 16.1 11.5 17.3

104 11.7 7.1 10.7#







#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.295 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN036550.D

Acq: 07 Mar 2025 16:49

Instrument :

BNA\_N

ClientSampleId :

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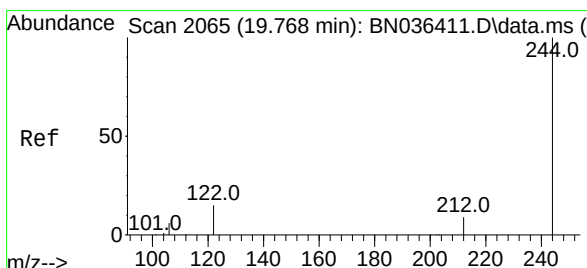
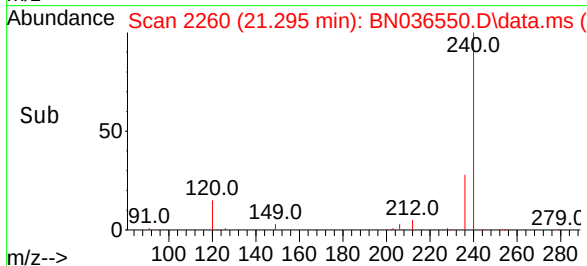
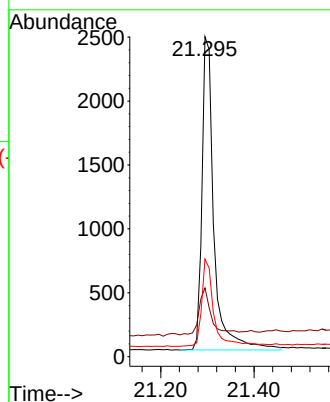
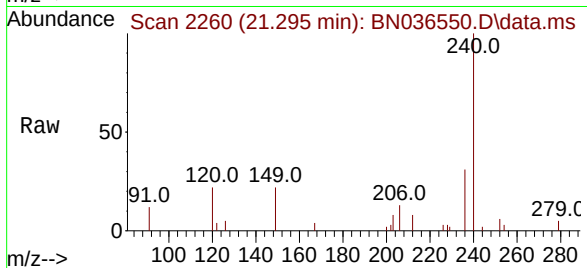
Tgt Ion:240 Resp: 4384

Ion Ratio Lower Upper

240 100

120 21.5 13.3 19.9#

236 30.5 23.0 34.6



#31

Terphenyl-d14

Concen: 0.732 ng

RT: 19.745 min Scan# 2060

Delta R.T. 0.000 min

Lab File: BN036550.D

Acq: 07 Mar 2025 16:49

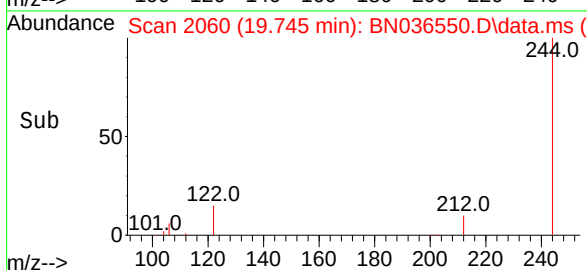
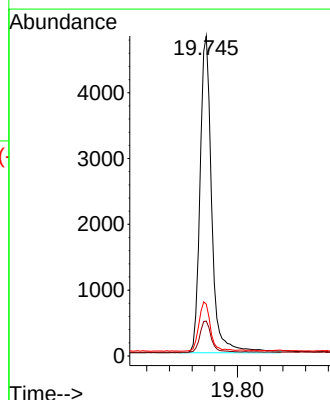
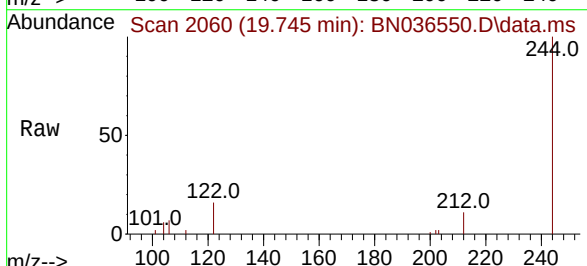
Tgt Ion:244 Resp: 6846

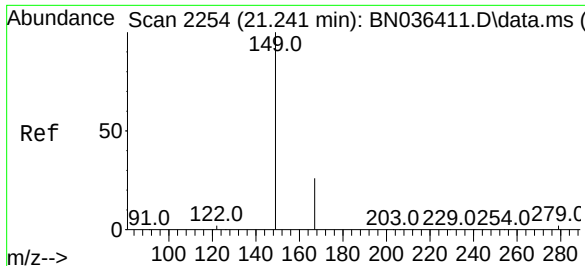
Ion Ratio Lower Upper

244 100

212 10.9 8.1 12.1

122 16.2 12.8 19.2

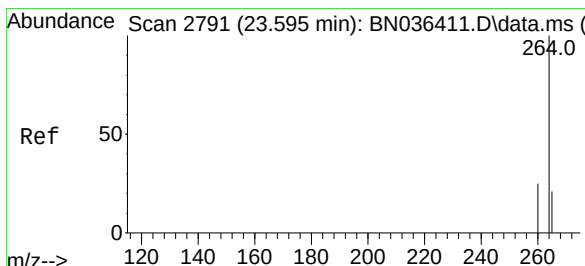
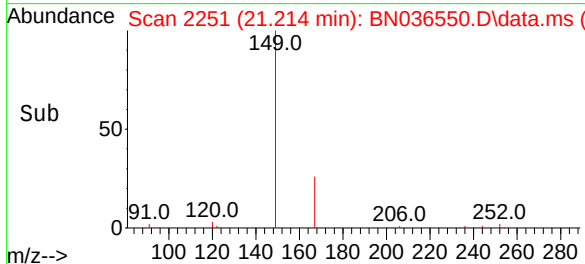
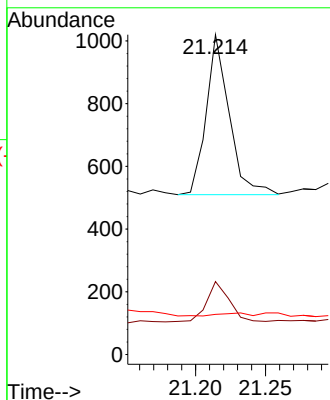
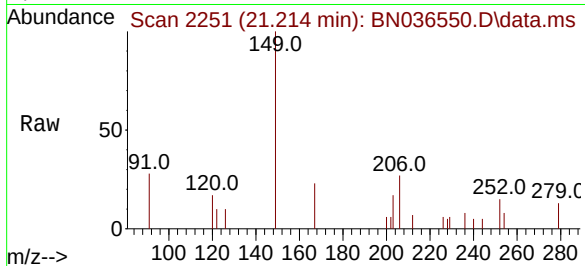




#34  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.065 ng  
 RT: 21.214 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: BN036550.D  
 Acq: 07 Mar 2025 16:49

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MW179D1-20250305

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 149   | Resp: | 583  |
| Ion Ratio | Lower | Upper |      |
| 149       | 100   |       |      |
| 167       | 24.9  | 21.2  | 31.8 |
| 279       | 2.1   | 2.7   | 4.1# |



#35  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.554 min Scan# 2777  
 Delta R.T. 0.003 min  
 Lab File: BN036550.D  
 Acq: 07 Mar 2025 16:49

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 264   | Resp: | 4009  |
| Ion Ratio | Lower | Upper |       |
| 264       | 100   |       |       |
| 260       | 28.1  | 20.9  | 31.3  |
| 265       | 114.6 | 60.7  | 91.1# |

