

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN031425\  
 Data File : BN036640.D  
 Acq On : 15 Mar 2025 12:48  
 Operator : RC/JU  
 Sample : Q1559-11  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RW10-MW01S-20250311

Quant Time: Mar 17 00:35:48 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN031025.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 10 16:06:28 2025  
 Response via : Initial Calibration

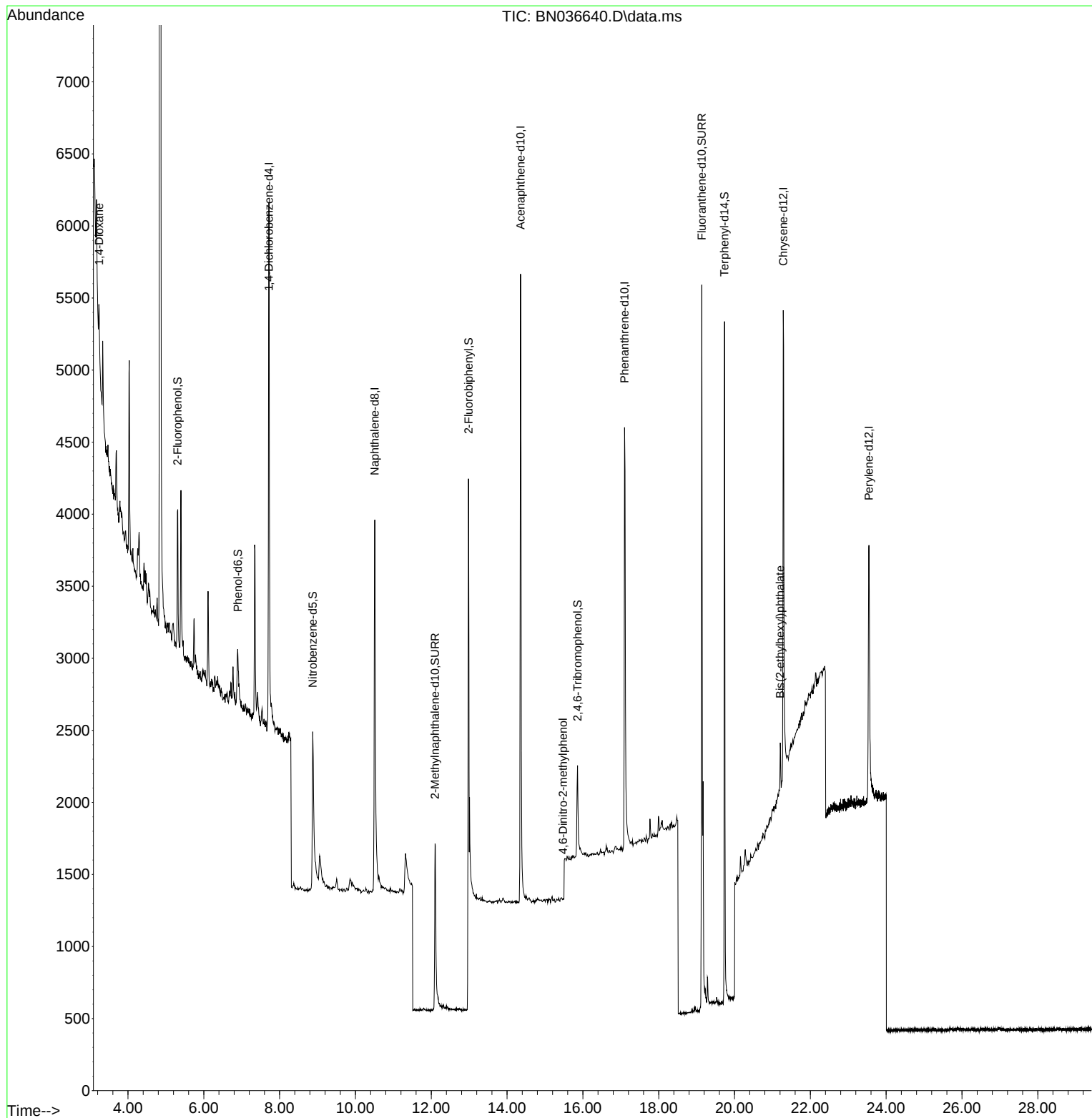
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.717  | 152  | 1924     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.509 | 136  | 4490     | 0.400 | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.355 | 164  | 2739     | 0.400 | ng    | -0.01    |
| 19) Phenanthrene-d10          | 17.099 | 188  | 5515     | 0.400 | ng    | #-0.01   |
| 29) Chrysene-d12              | 21.286 | 240  | 3873     | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 23.546 | 264  | 3147     | 0.400 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.312  | 112  | 733      | 0.163 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.901  | 99   | 437      | 0.079 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.875  | 82   | 1561     | 0.320 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.101 | 152  | 2314     | 0.346 | ng    | -0.01    |
| 14) 2,4,6-Tribromophenol      | 15.858 | 330  | 482      | 0.388 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 12.983 | 172  | 5921     | 0.372 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.136 | 212  | 6341     | 0.449 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.736 | 244  | 4663     | 0.503 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.239  | 88   | 167      | 0.078 | ng    | # 57     |
| 20) 4,6-Dinitro-2-methylph... | 15.478 | 198  | 6        | 0.150 | ng    | # 1      |
| 34) Bis(2-ethylhexyl)phtha... | 21.205 | 149  | 380      | 0.040 | ng    | # 96     |
| -----                         |        |      |          |       |       |          |

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

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RW10-MW01S-20250311

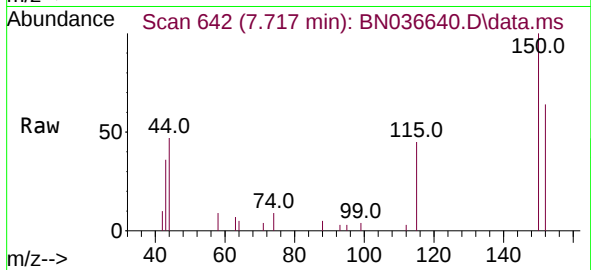
Quant Time: Mar 17 00:35:48 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN031025.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Mar 10 16:06:28 2025  
Response via : Initial Calibration



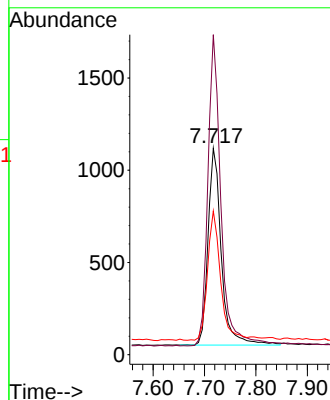
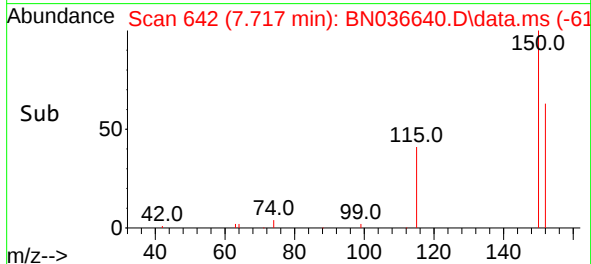


#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.717 min Scan# 64  
Delta R.T. -0.007 min  
Lab File: BN036640.D  
Acq: 15 Mar 2025 12:48

Instrument :  
BNA\_N  
ClientSampleId :  
RW10-MW01S-20250311

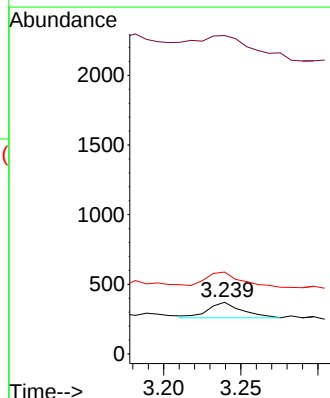
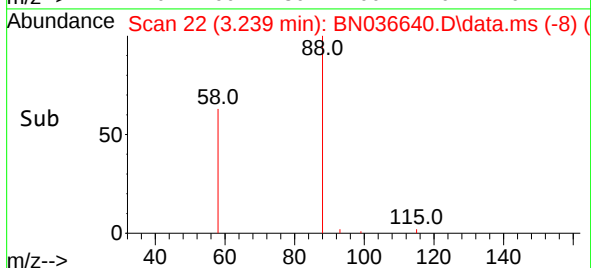
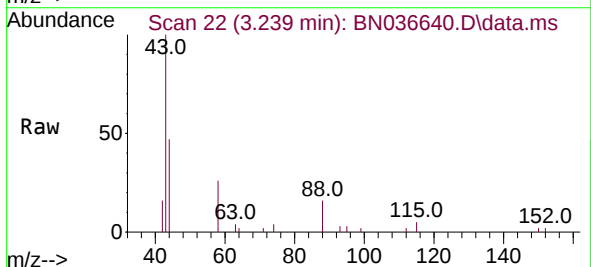


Tgt Ion:152 Resp: 1924  
Ion Ratio Lower Upper  
152 100  
150 155.0 123.7 185.5  
115 69.6 54.3 81.5



#2  
1,4-Dioxane  
Concen: 0.078 ng  
RT: 3.239 min Scan# 22  
Delta R.T. 0.000 min  
Lab File: BN036640.D  
Acq: 15 Mar 2025 12:48

Tgt Ion: 88 Resp: 167  
Ion Ratio Lower Upper  
88 100  
43 0.0 37.8 56.8#  
58 109.0 67.4 101.2#





#4

2-Fluorophenol

Concen: 0.163 ng

RT: 5.312 min Scan# 309

Delta R.T. 0.000 min

Lab File: BN036640.D

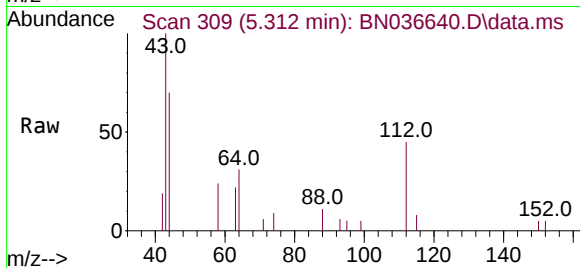
Acq: 15 Mar 2025 12:48

Instrument :

BNA\_N

ClientSampleId :

RW10-MW01S-20250311



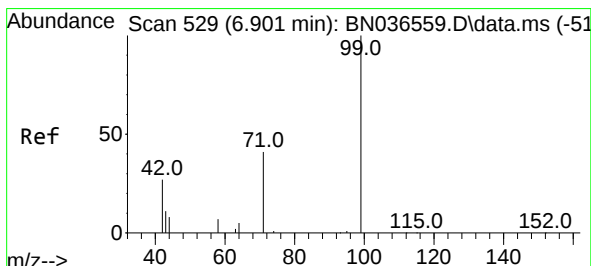
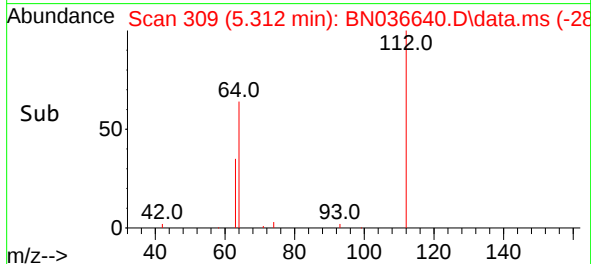
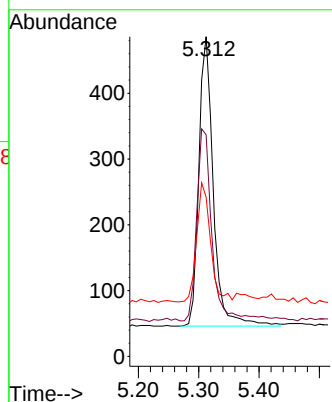
Tgt Ion:112 Resp: 733

Ion Ratio Lower Upper

112 100

64 71.8 53.1 79.7

63 39.4 31.8 47.8



#5

Phenol-d6

Concen: 0.079 ng

RT: 6.901 min Scan# 529

Delta R.T. 0.000 min

Lab File: BN036640.D

Acq: 15 Mar 2025 12:48

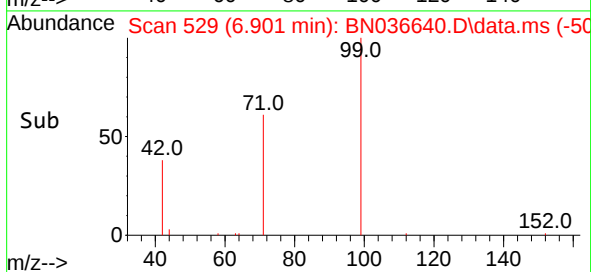
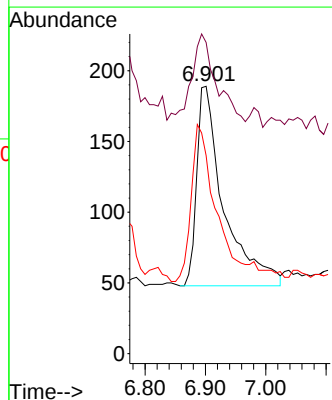
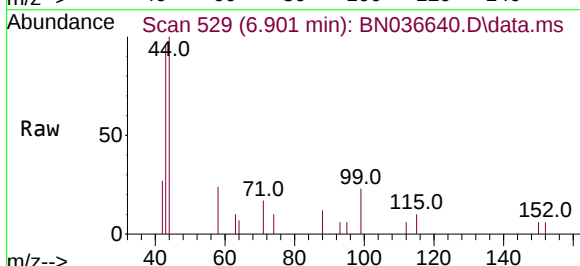
Tgt Ion: 99 Resp: 437

Ion Ratio Lower Upper

99 100

42 38.9 26.5 39.7

71 78.0 34.1 51.1#

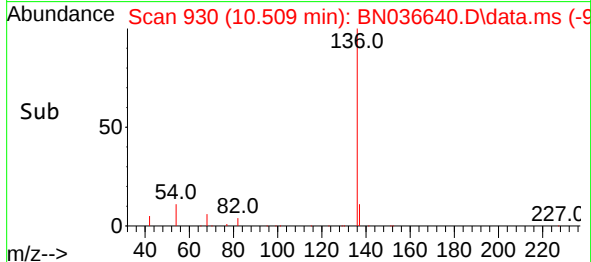
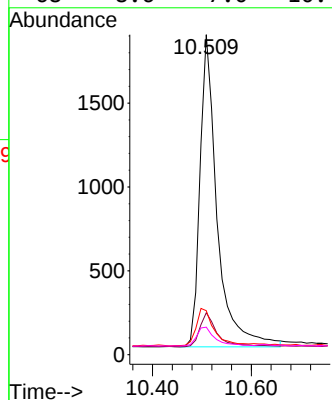
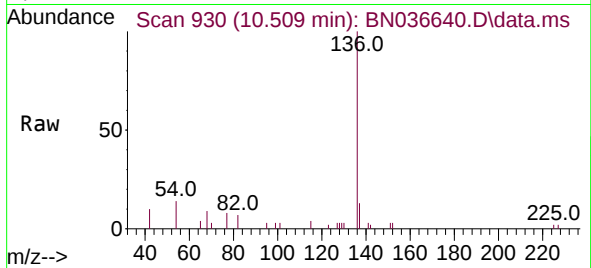




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.509 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: BN036640.D  
Acq: 15 Mar 2025 12:48

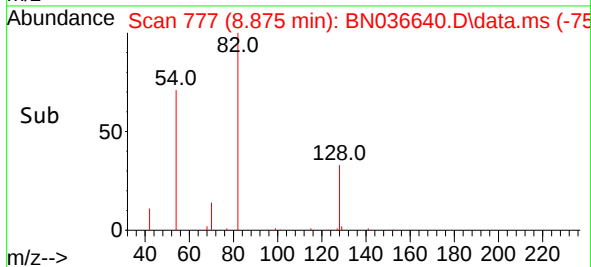
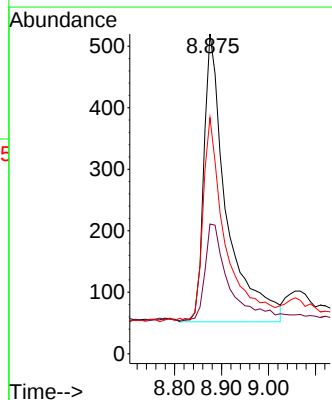
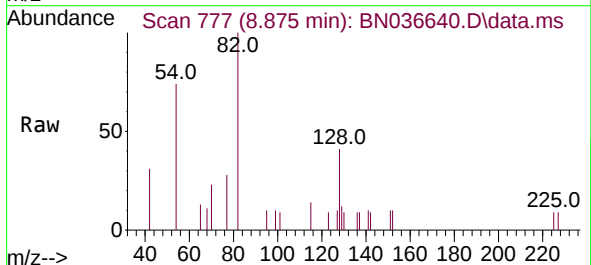
Instrument :  
BNA\_N  
ClientSampleId :  
RW10-MW01S-20250311

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 4490  |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 13.1  | 10.3  | 15.5  |
| 54       | 13.8  | 11.5  | 17.3  |
| 68       | 8.6   | 7.0   | 10.4  |



#8  
Nitrobenzene-d5  
Concen: 0.320 ng  
RT: 8.875 min Scan# 777  
Delta R.T. 0.000 min  
Lab File: BN036640.D  
Acq: 15 Mar 2025 12:48

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 1561  |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 40.6  | 30.6  | 45.8  |
| 54       | 73.8  | 52.2  | 78.4  |

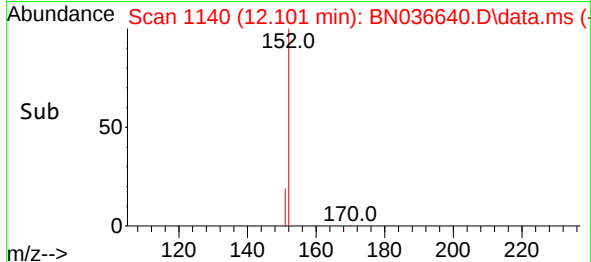
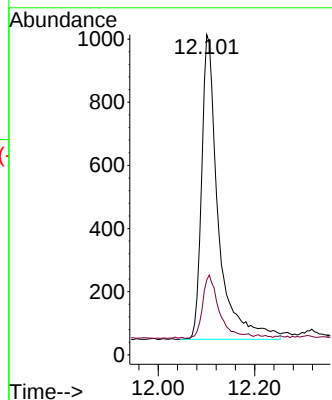
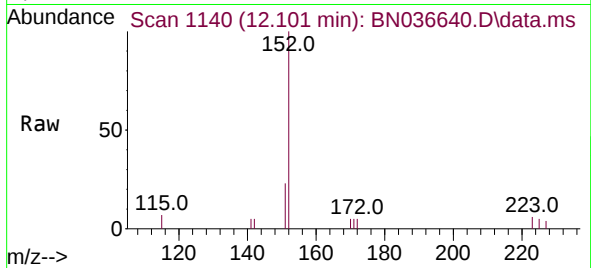




#11  
2-Methylnaphthalene-d10  
Concen: 0.346 ng  
RT: 12.101 min Scan# 1142  
Delta R.T. -0.010 min  
Lab File: BN036640.D  
Acq: 15 Mar 2025 12:48

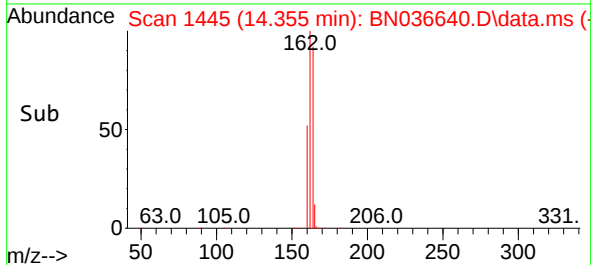
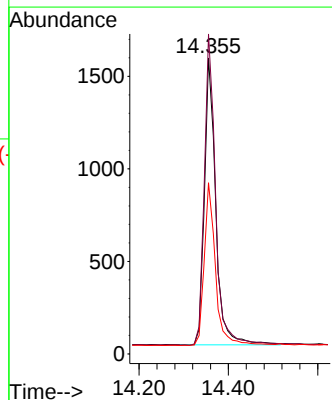
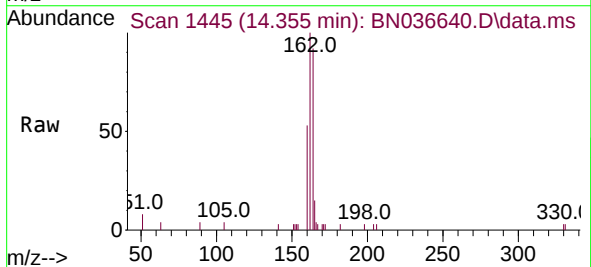
Instrument :  
BNA\_N  
ClientSampleId :  
RW10-MW01S-20250311

Tgt Ion:152 Resp: 2314  
Ion Ratio Lower Upper  
152 100  
151 20.3 17.0 25.6



#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.355 min Scan# 1445  
Delta R.T. -0.011 min  
Lab File: BN036640.D  
Acq: 15 Mar 2025 12:48

Tgt Ion:164 Resp: 2739  
Ion Ratio Lower Upper  
164 100  
162 108.1 84.2 126.2  
160 57.8 42.2 63.2

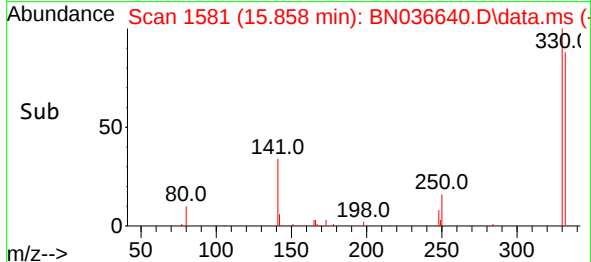
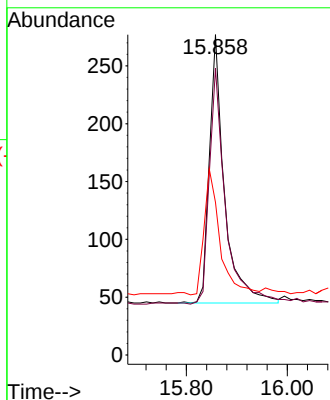
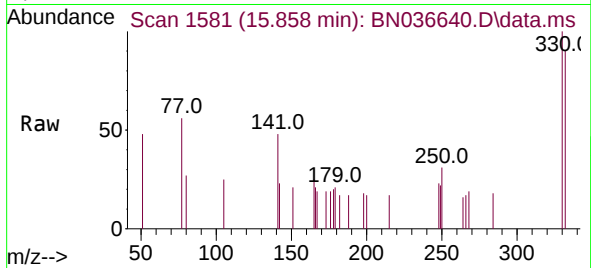




#14  
2,4,6-Tribromophenol  
Concen: 0.388 ng  
RT: 15.858 min Scan# 1581  
Delta R.T. 0.000 min  
Lab File: BN036640.D  
Acq: 15 Mar 2025 12:48

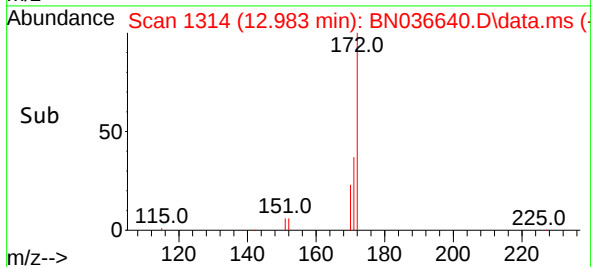
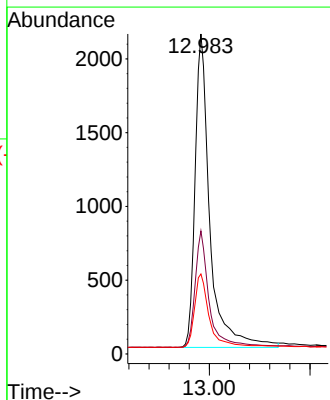
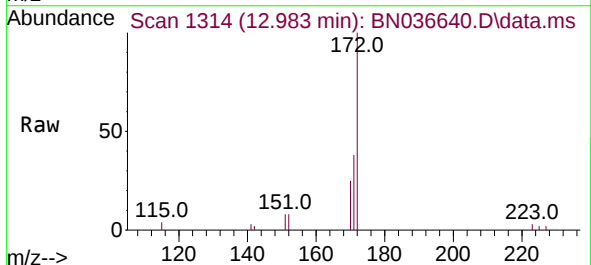
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ClientSampleId :  
RW10-MW01S-20250311

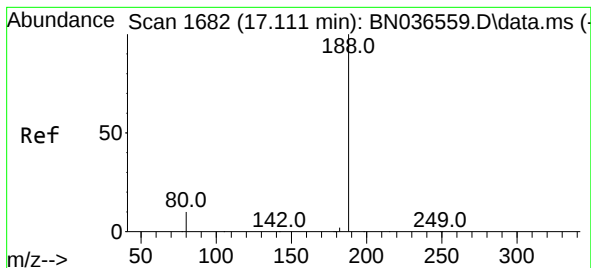
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 330   | Resp: | 482   |
| Ion Ratio | Lower | Upper |       |
| 330       | 100   |       |       |
| 332       | 94.4  | 75.2  | 112.8 |
| 141       | 49.2  | 43.4  | 65.2  |



#15  
2-Fluorobiphenyl  
Concen: 0.372 ng  
RT: 12.983 min Scan# 1314  
Delta R.T. -0.005 min  
Lab File: BN036640.D  
Acq: 15 Mar 2025 12:48

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 172   | Resp: | 5921 |
| Ion Ratio | Lower | Upper |      |
| 172       | 100   |       |      |
| 171       | 38.5  | 29.5  | 44.3 |
| 170       | 25.0  | 20.2  | 30.4 |





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.099 min Scan# 1

Delta R.T. -0.012 min

Lab File: BN036640.D

Acq: 15 Mar 2025 12:48

Instrument :

BNA\_N

ClientSampleId :

RW10-MW01S-20250311

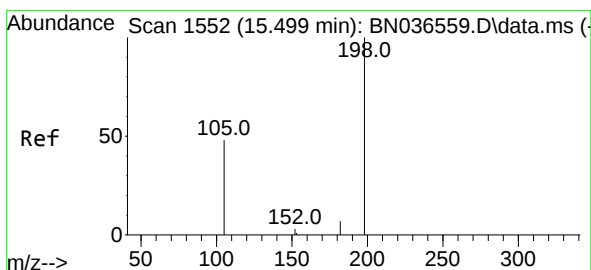
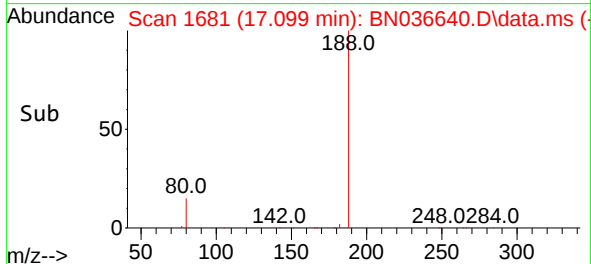
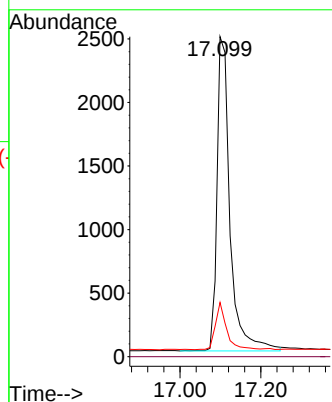
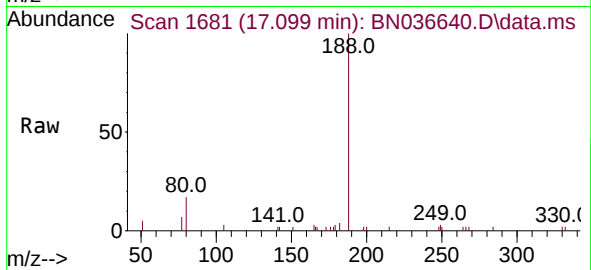
Tgt Ion:188 Resp: 5515

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 17.0 8.8 13.2#



#20

4,6-Dinitro-2-methylphenol

Concen: 0.150 ng

RT: 15.478 min Scan# 1550

Delta R.T. -0.021 min

Lab File: BN036640.D

Acq: 15 Mar 2025 12:48

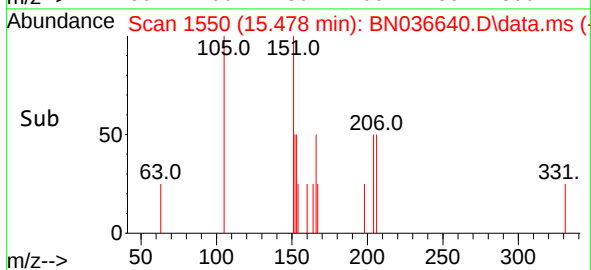
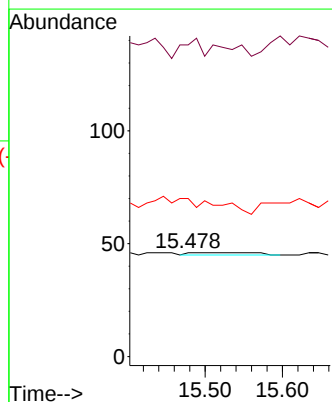
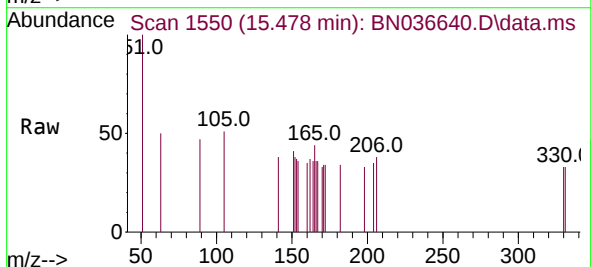
Tgt Ion:198 Resp: 6

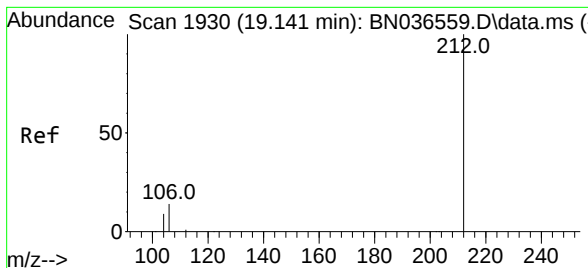
Ion Ratio Lower Upper

198 100

51 300.0 107.9 161.9#

105 152.2 56.2 84.2#





#27

Fluoranthene-d10

Concen: 0.449 ng

RT: 19.136 min Scan# 1930

Delta R.T. -0.005 min

Lab File: BN036640.D

Acq: 15 Mar 2025 12:48

Instrument :

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RW10-MW01S-20250311

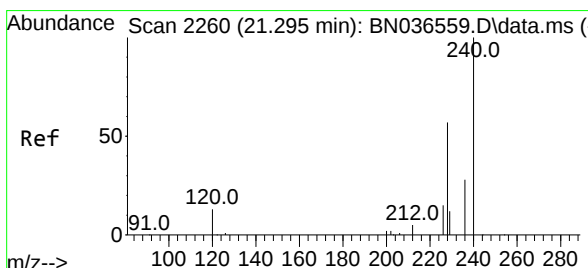
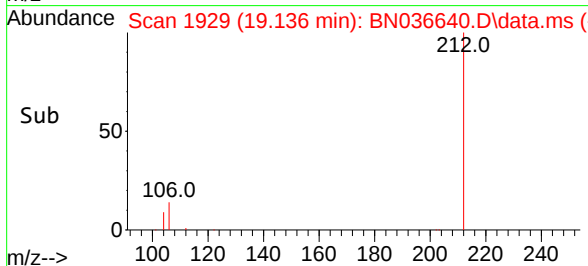
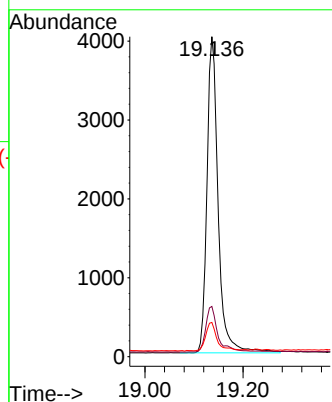
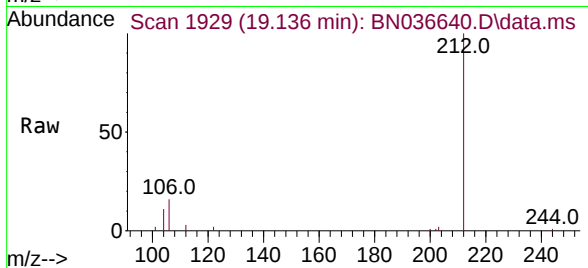
Tgt Ion:212 Resp: 6341

Ion Ratio Lower Upper

212 100

106 15.6 11.8 17.6

104 9.3 7.3 10.9



#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.286 min Scan# 2259

Delta R.T. -0.009 min

Lab File: BN036640.D

Acq: 15 Mar 2025 12:48

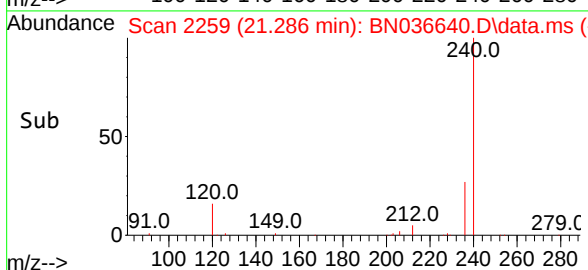
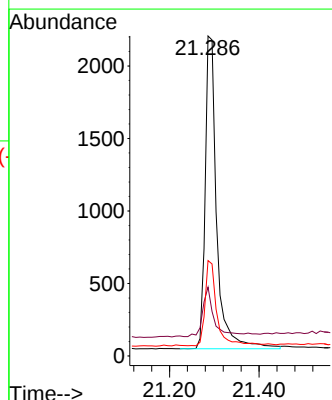
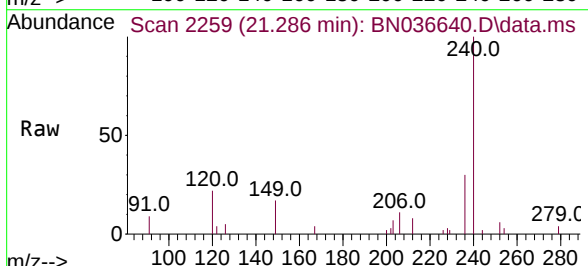
Tgt Ion:240 Resp: 3873

Ion Ratio Lower Upper

240 100

120 21.5 14.6 22.0

236 29.8 24.1 36.1

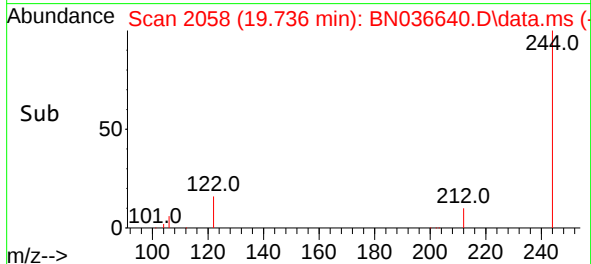
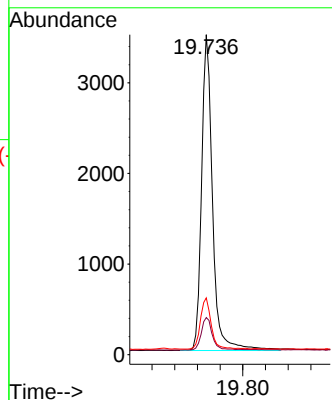
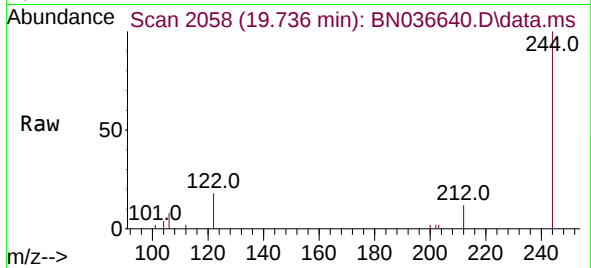




#31  
 Terphenyl-d14  
 Concen: 0.503 ng  
 RT: 19.736 min Scan# 2060  
 Delta R.T. -0.009 min  
 Lab File: BN036640.D  
 Acq: 15 Mar 2025 12:48

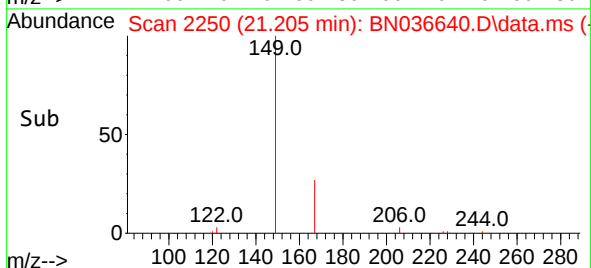
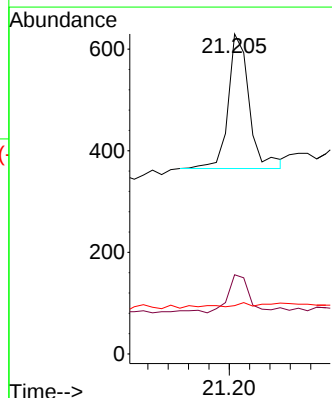
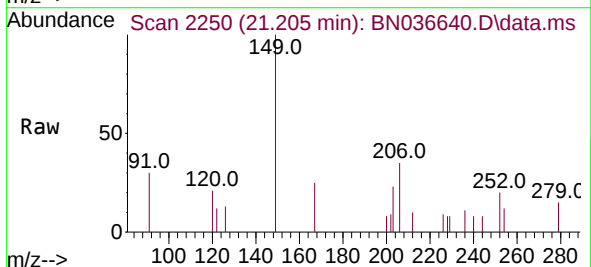
Instrument :  
 BNA\_N  
 ClientSampleId :  
 RW10-MW01S-20250311

Tgt Ion:244 Resp: 4663  
 Ion Ratio Lower Upper  
 244 100  
 212 11.6 9.6 14.4  
 122 17.7 13.9 20.9



#34  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.040 ng  
 RT: 21.205 min Scan# 2250  
 Delta R.T. -0.009 min  
 Lab File: BN036640.D  
 Acq: 15 Mar 2025 12:48

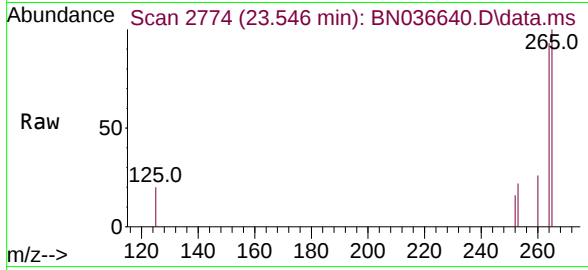
Tgt Ion:149 Resp: 380  
 Ion Ratio Lower Upper  
 149 100  
 167 28.2 20.7 31.1  
 279 5.8 3.6 5.4#





#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.546 min Scan# 21  
Delta R.T. -0.009 min  
Lab File: BN036640.D  
Acq: 15 Mar 2025 12:48

Instrument :  
BNA\_N  
ClientSampleId :  
RW10-MW01S-20250311



Tgt Ion:264 Resp: 3147

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 28.2  | 22.6  | 33.8  |
| 265 | 107.9 | 88.1  | 132.1 |

