

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN120623\  
 Data File : BN029066.D  
 Acq On : 06 Dec 2023 21:25  
 Operator : MA/JU  
 Sample : 05428-01  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE120D2-20231113

Quant Time: Dec 06 22:54:16 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN120523.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 06 00:49:47 2023  
 Response via : Initial Calibration

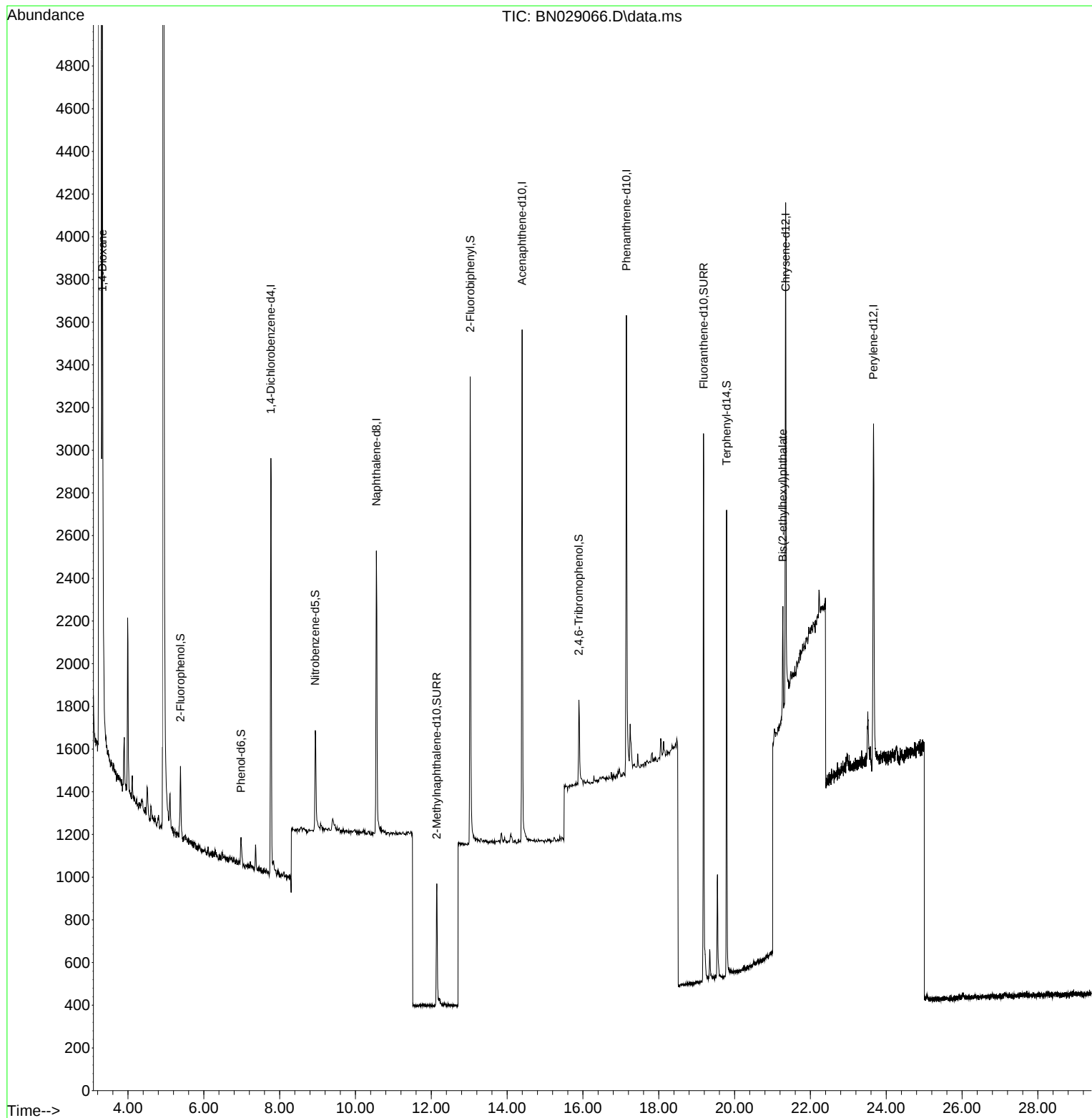
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.768  | 152  | 1008     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.551 | 136  | 1937     | 0.400 | ng    | #-0.01   |
| 13) Acenaphthene-d10          | 14.396 | 164  | 1429     | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.146 | 188  | 3277     | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.347 | 240  | 2267     | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 23.664 | 264  | 2225     | 0.400 | ng    | # 0.00   |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.384  | 112  | 255      | 0.112 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.980  | 99   | 143      | 0.052 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.939  | 82   | 595      | 0.255 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.144 | 152  | 878      | 0.216 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.893 | 330  | 314      | 0.199 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.028 | 172  | 2057     | 0.278 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.181 | 212  | 3188     | 0.310 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.789 | 244  | 2251     | 0.392 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
| 2) 1,4-Dioxane                | 3.326  | 88   | 2971     | 3.660 | ng    | 99       |
| 34) Bis(2-ethylhexyl)phtha... | 21.275 | 149  | 621      | 0.088 | ng    | # 90     |

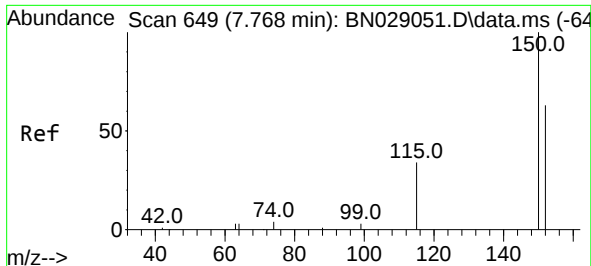
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN120623\  
Data File : BN029066.D  
Acq On : 06 Dec 2023 21:25  
Operator : MA/JU  
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Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
RE120D2-20231113

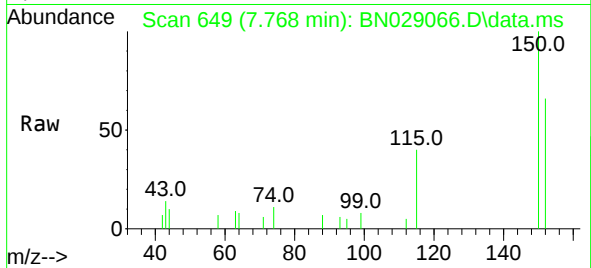
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 06 00:49:47 2023  
Response via : Initial Calibration



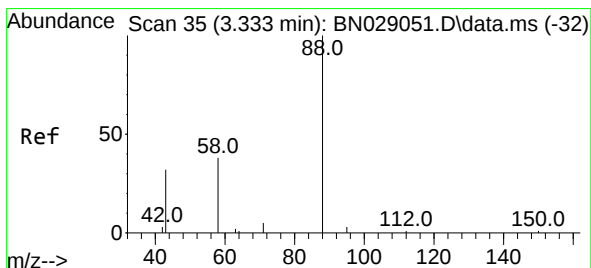
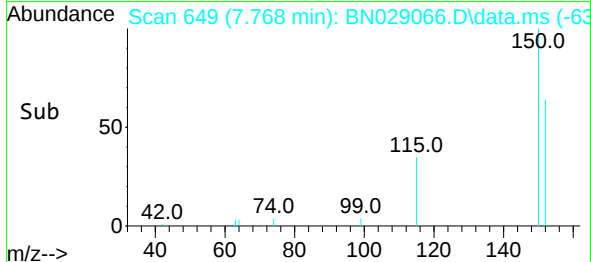
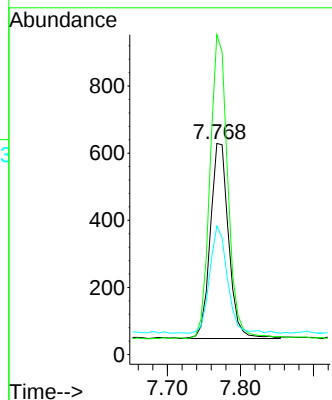


#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.768 min Scan# 64  
 Delta R.T. -0.007 min  
 Lab File: BN029066.D  
 Acq: 06 Dec 2023 21:25

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE120D2-20231113

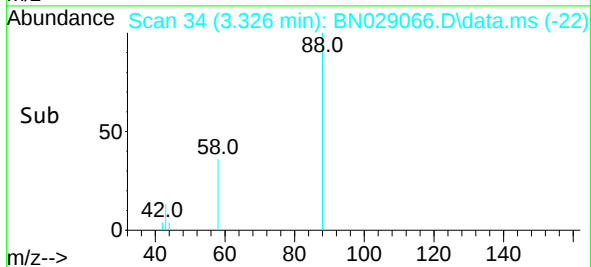
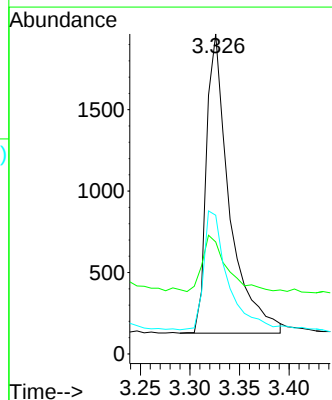
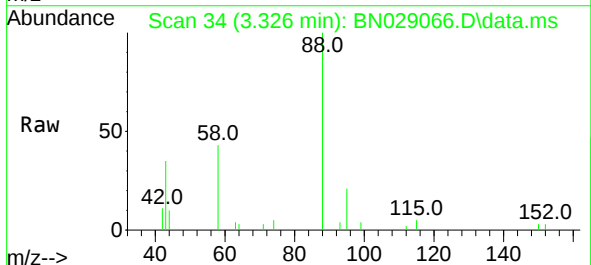


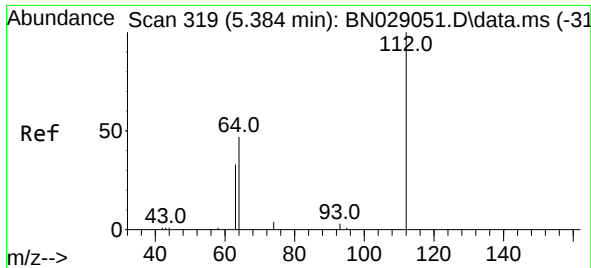
Tgt Ion:152 Resp: 1008  
 Ion Ratio Lower Upper  
 152 100  
 150 151.5 116.2 174.4  
 115 60.9 45.1 67.7



#2  
 1,4-Dioxane  
 Concen: 3.660 ng  
 RT: 3.326 min Scan# 34  
 Delta R.T. -0.014 min  
 Lab File: BN029066.D  
 Acq: 06 Dec 2023 21:25

Tgt Ion: 88 Resp: 2971  
 Ion Ratio Lower Upper  
 88 100  
 43 19.6 15.6 23.4  
 58 40.8 33.2 49.8

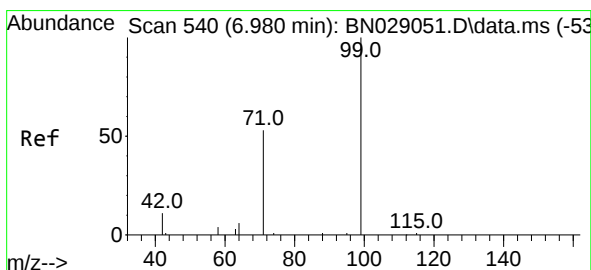
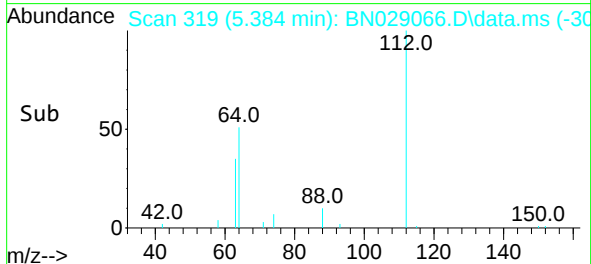
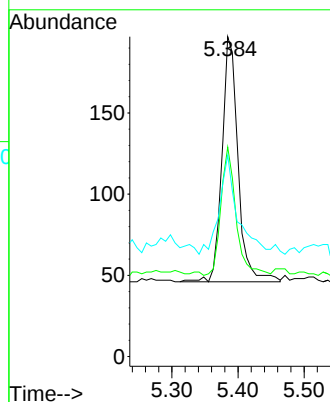
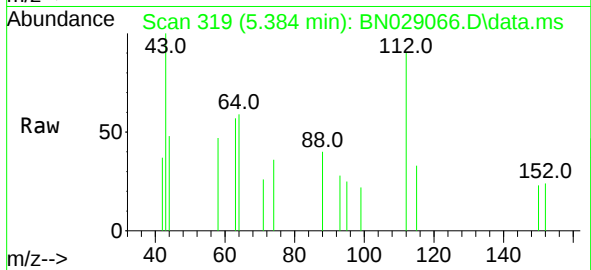




#4  
2-Fluorophenol  
Concen: 0.112 ng  
RT: 5.384 min Scan# 319  
Delta R.T. -0.007 min  
Lab File: BN029066.D  
Acq: 06 Dec 2023 21:25

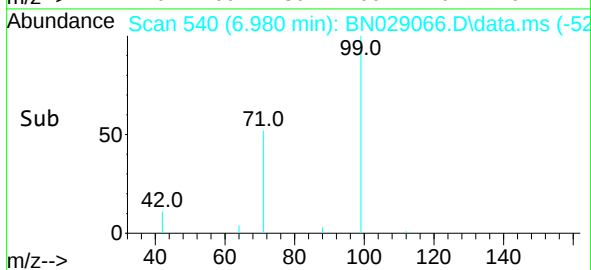
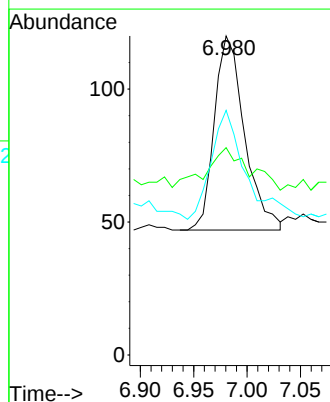
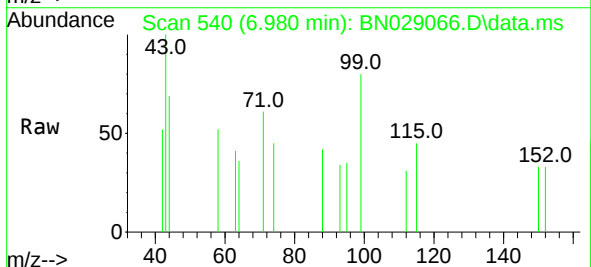
Instrument :  
BNA\_N  
ClientSampleId :  
RE120D2-20231113

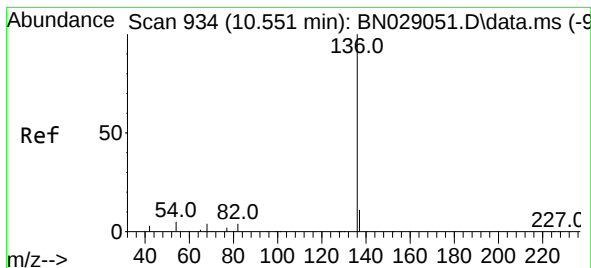
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 112   | Resp: | 255   |
| Ion      | Ratio | Lower | Upper |
| 112      | 100   |       |       |
| 64       | 49.0  | 37.0  | 55.6  |
| 63       | 45.9  | 29.0  | 43.6  |



#5  
Phenol-d6  
Concen: 0.052 ng  
RT: 6.980 min Scan# 540  
Delta R.T. 0.000 min  
Lab File: BN029066.D  
Acq: 06 Dec 2023 21:25

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 99    | Resp: | 143   |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 31.5  | 13.4  | 20.2  |
| 71       | 64.3  | 47.8  | 71.6  |





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.551 min Scan# 91

Delta R.T. -0.011 min

Lab File: BN029066.D

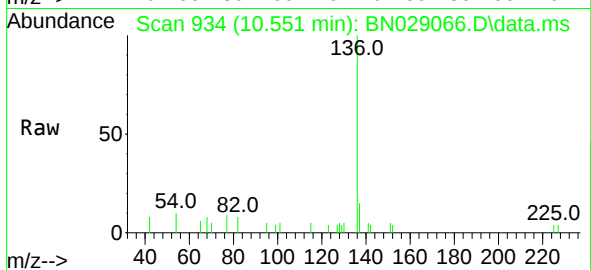
Acq: 06 Dec 2023 21:25

Instrument :

BNA\_N

ClientSampleId :

RE120D2-20231113



Tgt Ion:136 Resp: 1937

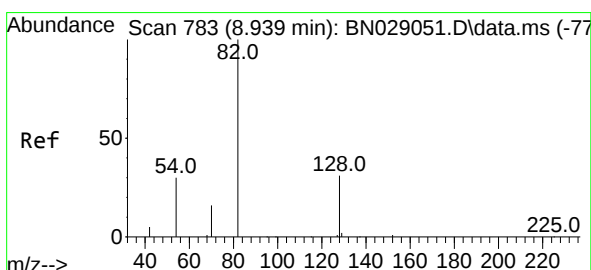
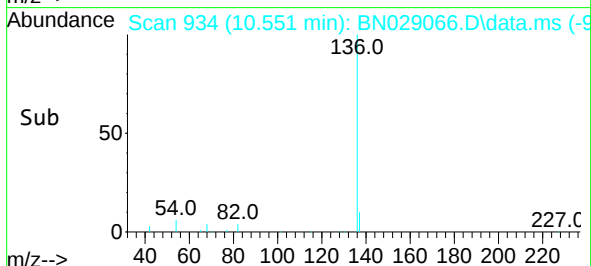
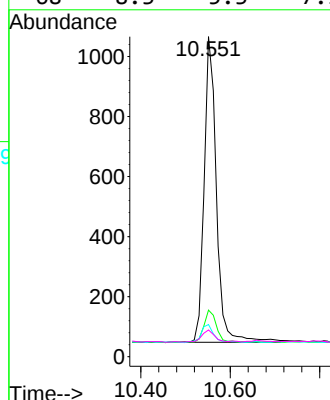
Ion Ratio Lower Upper

136 100

137 14.5 11.9 17.9

54 10.0 6.4 9.6#

68 8.3 5.3 7.9#



#8

Nitrobenzene-d5

Concen: 0.255 ng

RT: 8.939 min Scan# 783

Delta R.T. 0.000 min

Lab File: BN029066.D

Acq: 06 Dec 2023 21:25

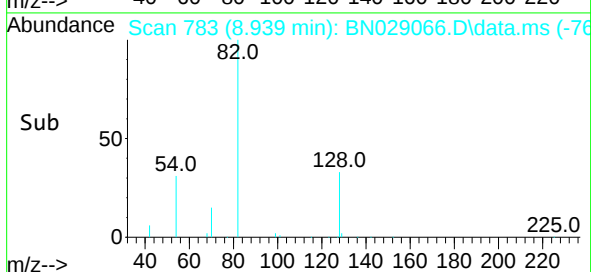
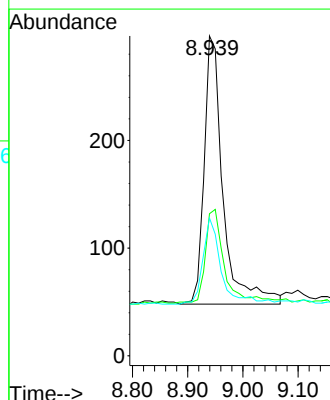
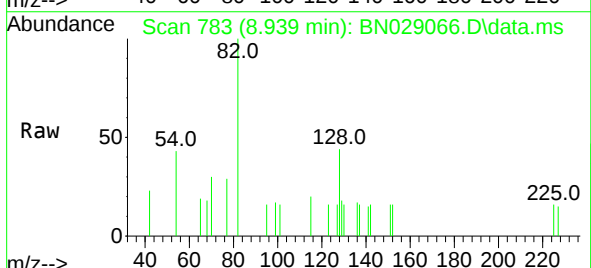
Tgt Ion: 82 Resp: 595

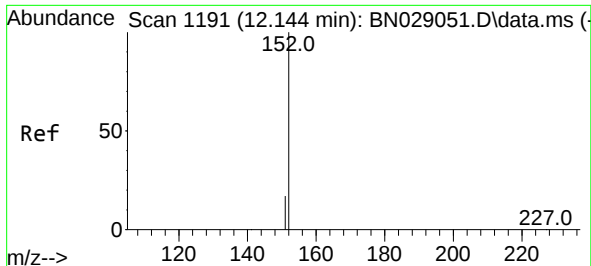
Ion Ratio Lower Upper

82 100

128 44.4 28.2 42.4#

54 43.1 32.1 48.1

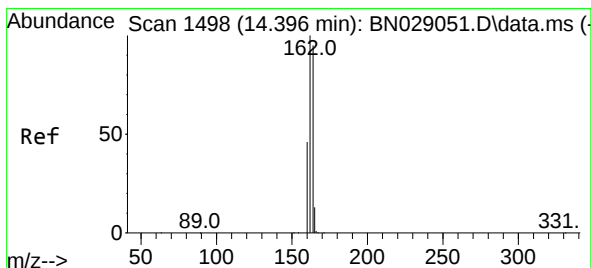
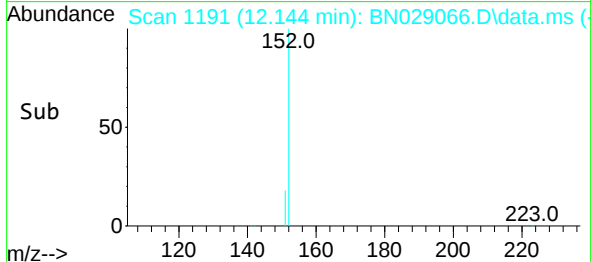
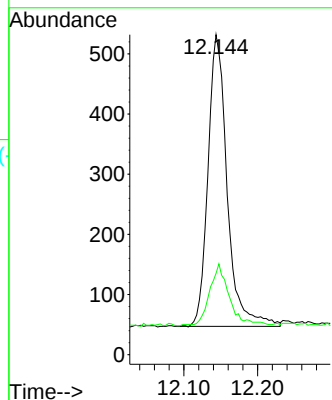
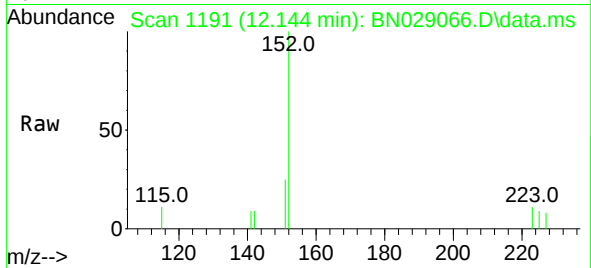




#11  
2-Methylnaphthalene-d10  
Concen: 0.216 ng  
RT: 12.144 min Scan# 1191  
Delta R.T. -0.004 min  
Lab File: BN029066.D  
Acq: 06 Dec 2023 21:25

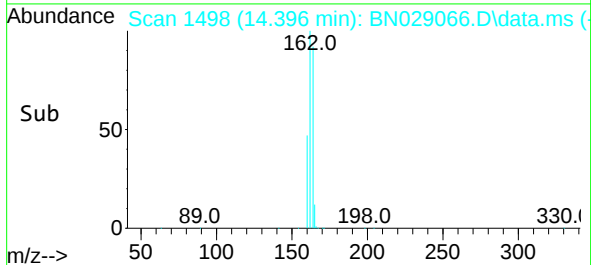
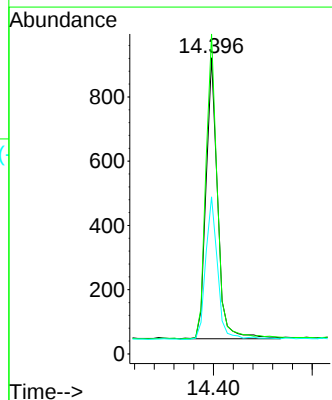
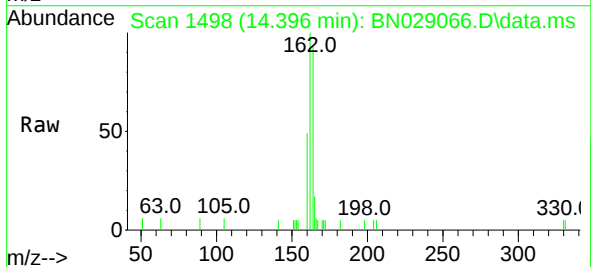
Instrument :  
BNA\_N  
ClientSampleId :  
RE120D2-20231113

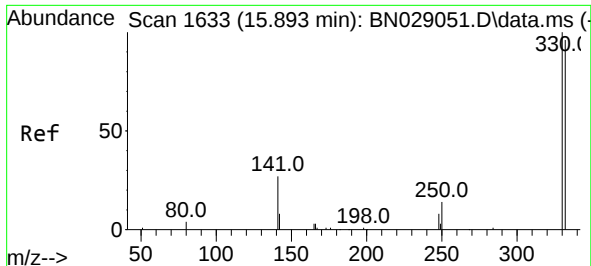
Tgt Ion:152 Resp: 878  
Ion Ratio Lower Upper  
152 100  
151 20.3 17.4 26.0



#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.396 min Scan# 1498  
Delta R.T. 0.000 min  
Lab File: BN029066.D  
Acq: 06 Dec 2023 21:25

Tgt Ion:164 Resp: 1429  
Ion Ratio Lower Upper  
164 100  
162 108.0 85.0 127.6  
160 53.0 41.3 61.9

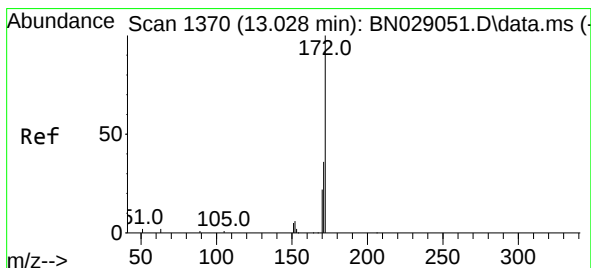
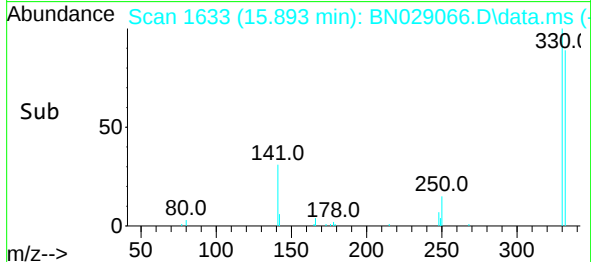
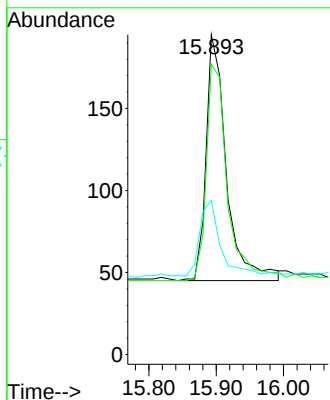
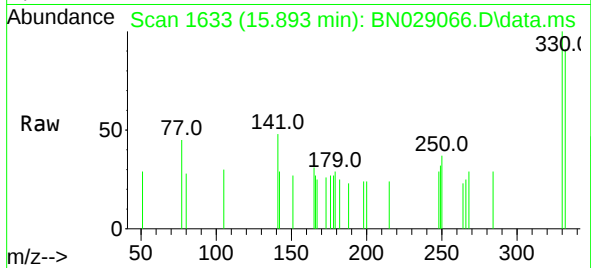




#14  
2,4,6-Tribromophenol  
Concen: 0.199 ng  
RT: 15.893 min Scan# 1633  
Delta R.T. 0.000 min  
Lab File: BN029066.D  
Acq: 06 Dec 2023 21:25

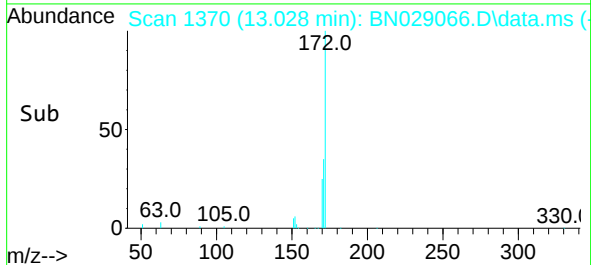
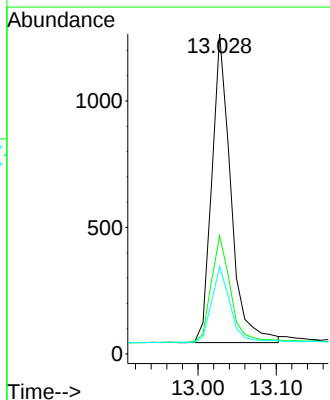
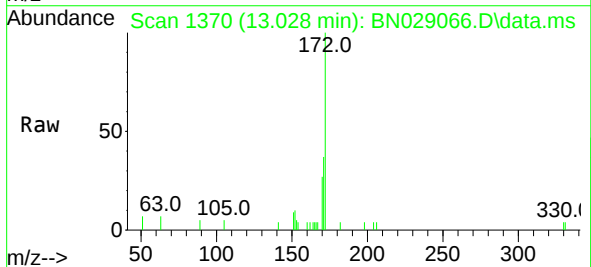
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RE120D2-20231113

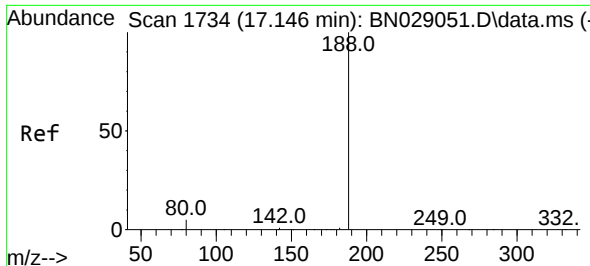
Tgt Ion:330 Resp: 314  
Ion Ratio Lower Upper  
330 100  
332 90.4 78.8 118.2  
141 31.5 28.7 43.1



#15  
2-Fluorobiphenyl  
Concen: 0.278 ng  
RT: 13.028 min Scan# 1370  
Delta R.T. 0.000 min  
Lab File: BN029066.D  
Acq: 06 Dec 2023 21:25

Tgt Ion:172 Resp: 2057  
Ion Ratio Lower Upper  
172 100  
171 37.0 30.1 45.1  
170 27.4 20.3 30.5

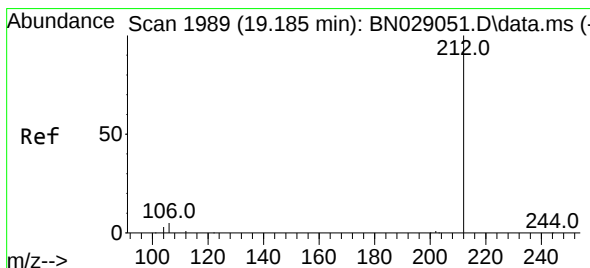
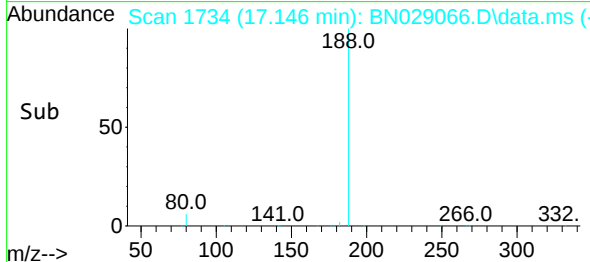
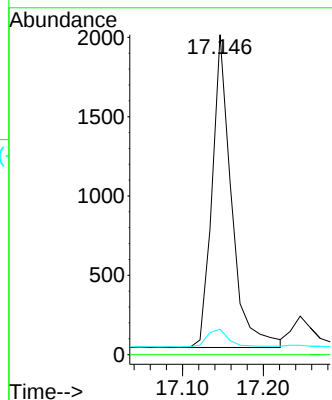
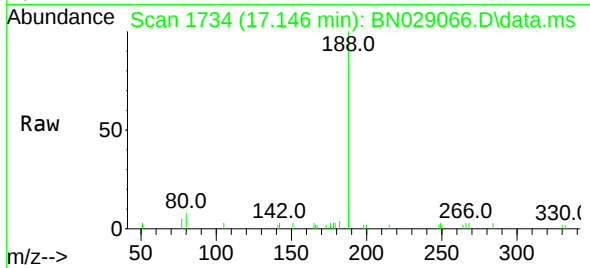




#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.146 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BN029066.D  
Acq: 06 Dec 2023 21:25

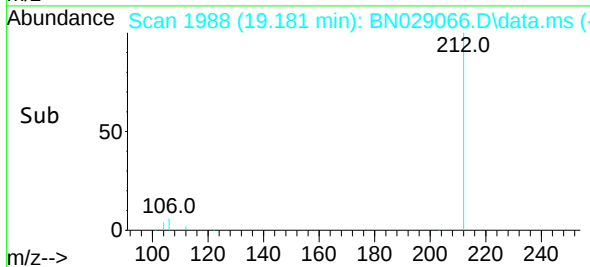
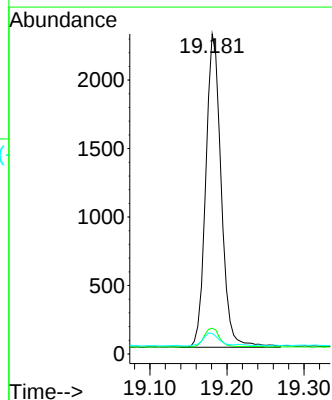
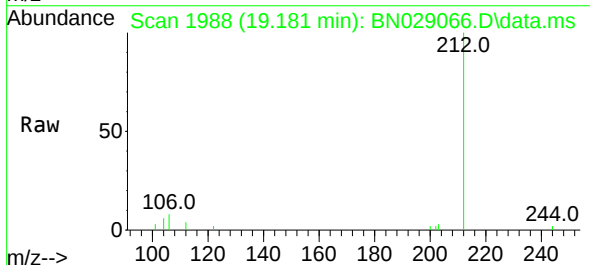
Instrument :  
BNA\_N  
ClientSampleId :  
RE120D2-20231113

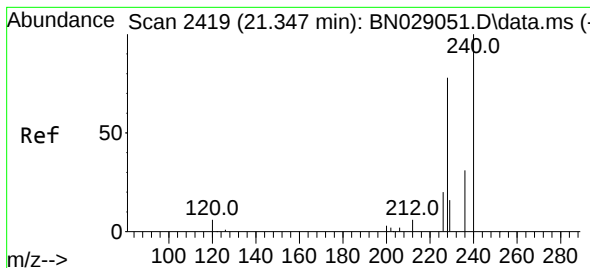
Tgt Ion:188 Resp: 3277  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 7.9 5.4 8.0



#27  
Fluoranthene-d10  
Concen: 0.310 ng  
RT: 19.181 min Scan# 1988  
Delta R.T. -0.005 min  
Lab File: BN029066.D  
Acq: 06 Dec 2023 21:25

Tgt Ion:212 Resp: 3188  
Ion Ratio Lower Upper  
212 100  
106 6.2 3.9 5.9#  
104 4.2 2.6 3.8#





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.347 min Scan# 2419

Delta R.T. 0.000 min

Lab File: BN029066.D

Acq: 06 Dec 2023 21:25

Instrument :

BNA\_N

ClientSampleId :

RE120D2-20231113

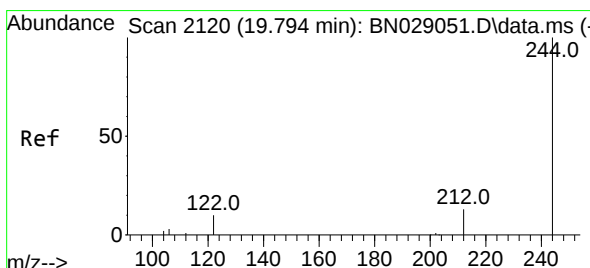
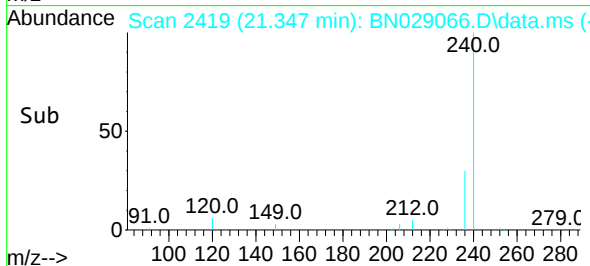
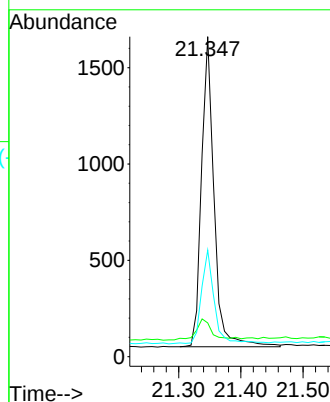
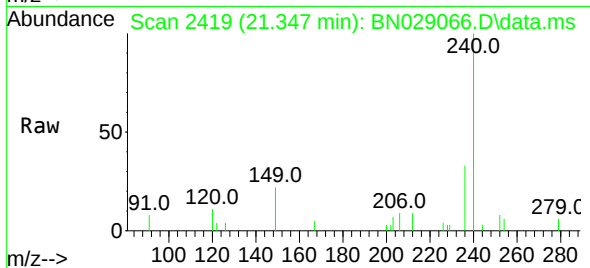
Tgt Ion:240 Resp: 2267

Ion Ratio Lower Upper

240 100

120 10.5 6.7 10.1#

236 33.3 25.7 38.5



#31

Terphenyl-d14

Concen: 0.392 ng

RT: 19.789 min Scan# 2119

Delta R.T. -0.005 min

Lab File: BN029066.D

Acq: 06 Dec 2023 21:25

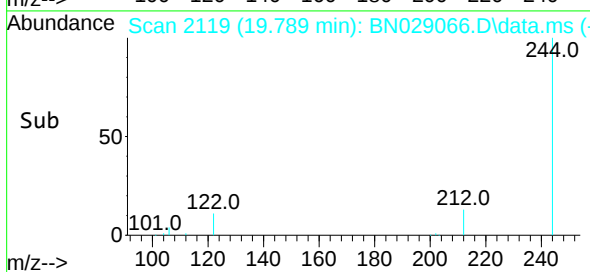
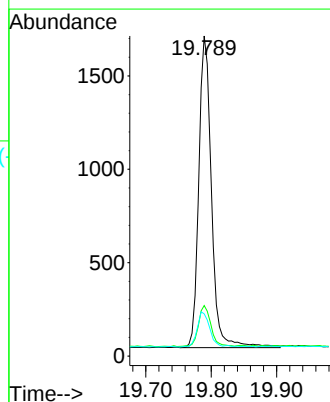
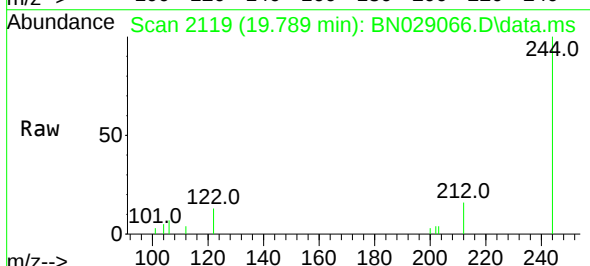
Tgt Ion:244 Resp: 2251

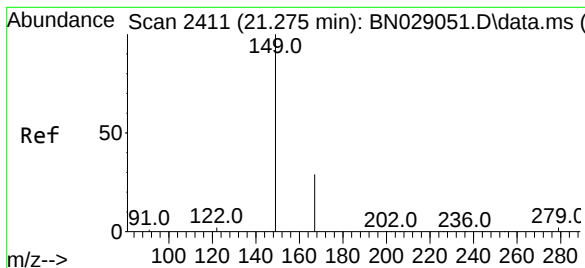
Ion Ratio Lower Upper

244 100

212 15.8 11.6 17.4

122 13.2 8.2 12.4#

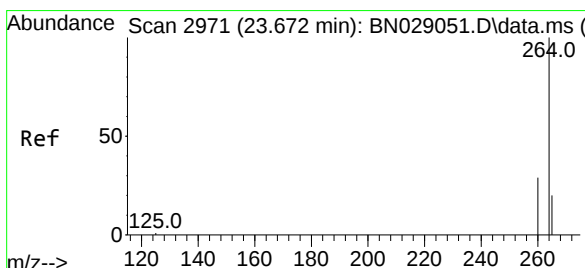
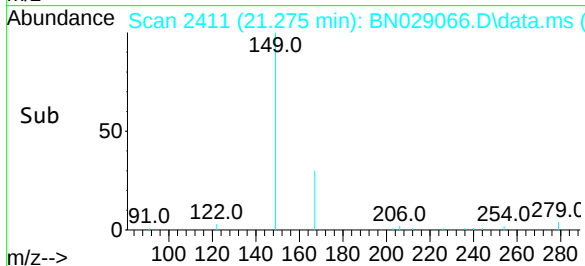
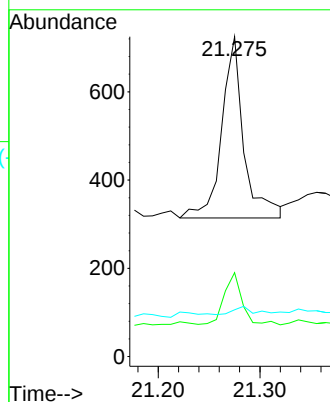
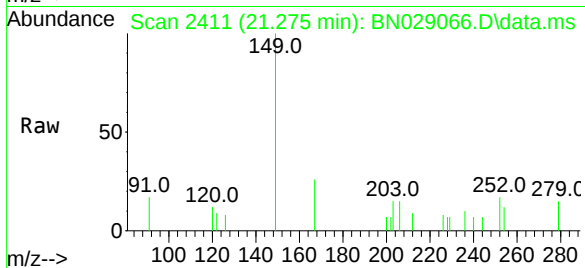




#34  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.088 ng  
 RT: 21.275 min Scan# 2411  
 Delta R.T. 0.000 min  
 Lab File: BN029066.D  
 Acq: 06 Dec 2023 21:25

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE120D2-20231113

Tgt Ion:149 Resp: 621  
 Ion Ratio Lower Upper  
 149 100  
 167 23.2 23.4 35.2#  
 279 4.3 3.4 5.2



#35  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.664 min Scan# 2968  
 Delta R.T. -0.006 min  
 Lab File: BN029066.D  
 Acq: 06 Dec 2023 21:25

Tgt Ion:264 Resp: 2225  
 Ion Ratio Lower Upper  
 264 100  
 260 32.1 23.9 35.9  
 265 88.8 52.7 79.1#

