

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN032825\  
 Data File : BN036780.D  
 Acq On : 28 Mar 2025 19:26  
 Operator : RC/JU  
 Sample : Q1608-23DL 2X  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 TT189D2-20250319DL

Quant Time: Mar 28 22:52:31 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

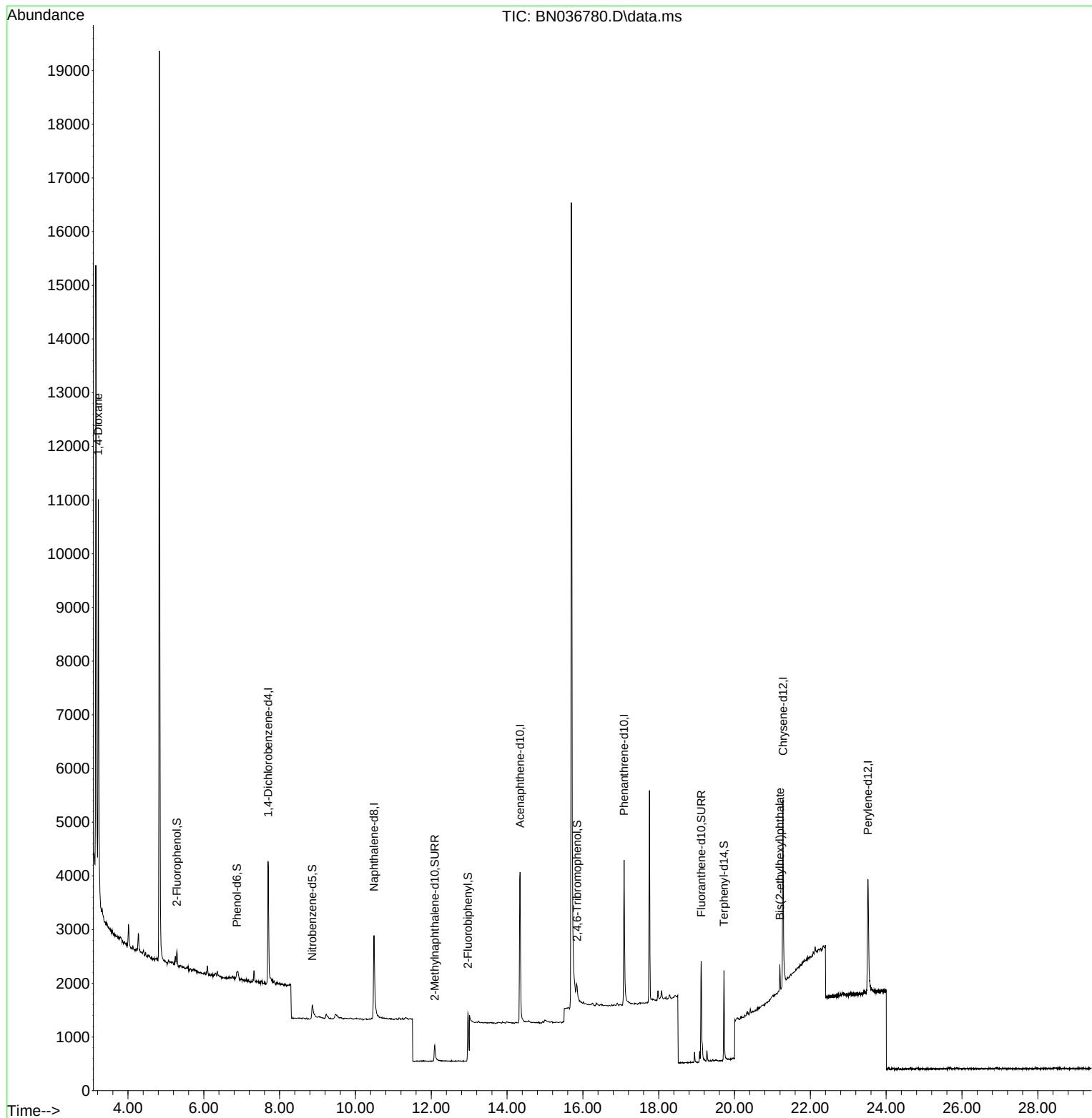
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.695  | 152  | 1210     | 0.400 | ng    | -0.03    |
| 7) Naphthalene-d8             | 10.487 | 136  | 2842     | 0.400 | ng    | #-0.02   |
| 13) Acenaphthene-d10          | 14.345 | 164  | 1908     | 0.400 | ng    | -0.02    |
| 19) Phenanthrene-d10          | 17.086 | 188  | 4326     | 0.400 | ng    | -0.02    |
| 29) Chrysene-d12              | 21.277 | 240  | 3875     | 0.400 | ng    | -0.02    |
| 35) Perylene-d12              | 23.519 | 264  | 3351     | 0.400 | ng    | #-0.04   |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.290  | 112  | 224      | 0.079 | ng    | -0.02    |
| 5) Phenol-d6                  | 6.872  | 99   | 160      | 0.046 | ng    | -0.03    |
| 8) Nitrobenzene-d5            | 8.864  | 82   | 439      | 0.142 | ng    | -0.01    |
| 11) 2-Methylnaphthalene-d10   | 12.090 | 152  | 641      | 0.152 | ng    | -0.02    |
| 14) 2,4,6-Tribromophenol      | 15.845 | 330  | 185      | 0.214 | ng    | -0.01    |
| 15) 2-Fluorobiphenyl          | 12.968 | 172  | 1663     | 0.150 | ng    | -0.02    |
| 27) Fluoranthene-d10          | 19.122 | 212  | 2467     | 0.223 | ng    | -0.02    |
| 31) Terphenyl-d14             | 19.722 | 244  | 1709     | 0.184 | ng    | -0.02    |
| Target Compounds              |        |      |          |       |       |          |
| 2) 1,4-Dioxane                | 3.218  | 88   | 3808     | 2.837 | ng    | # 92     |
| 34) Bis(2-ethylhexyl)phtha... | 21.196 | 149  | 537      | 0.056 | ng    | # 90     |
| -----                         |        |      |          |       |       |          |

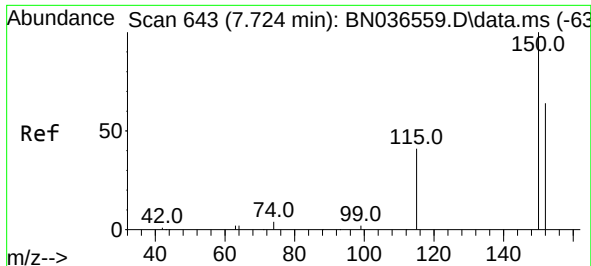
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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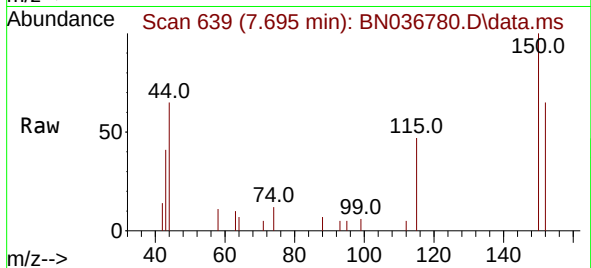
Quant Time: Mar 28 22:52:31 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN031025.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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Response via : Initial Calibration



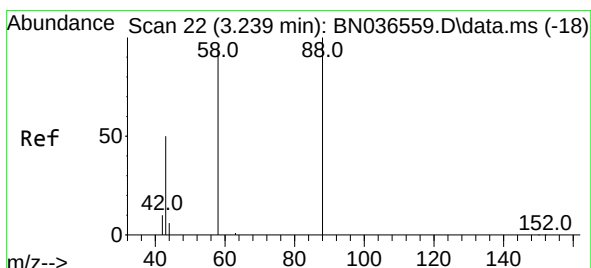
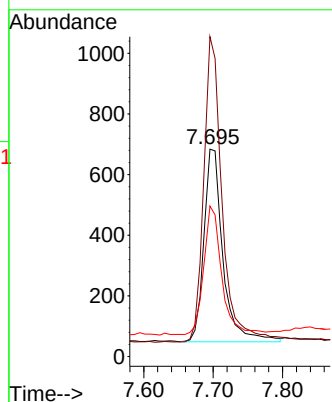
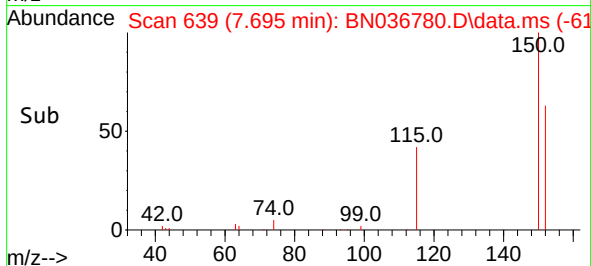


#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.695 min Scan# 61  
 Delta R.T. -0.029 min  
 Lab File: BN036780.D  
 Acq: 28 Mar 2025 19:26

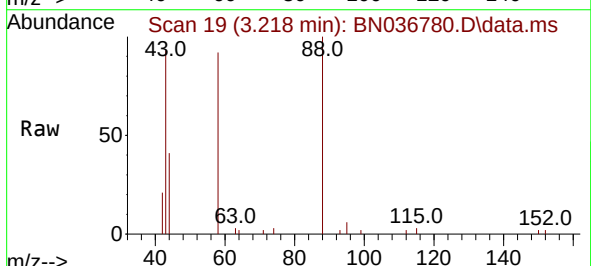
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 ClientSampleId :  
 TT189D2-20250319DL



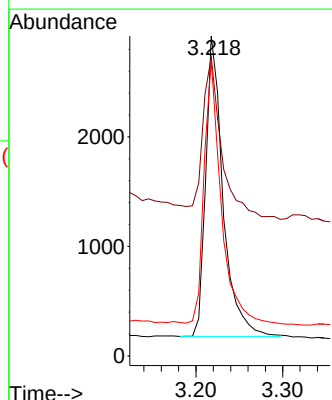
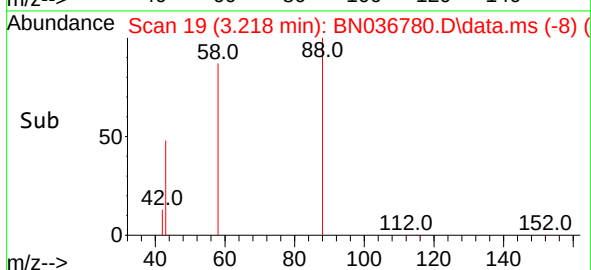
Tgt Ion:152 Resp: 1210  
 Ion Ratio Lower Upper  
 152 100  
 150 154.2 123.7 185.5  
 115 72.5 54.3 81.5

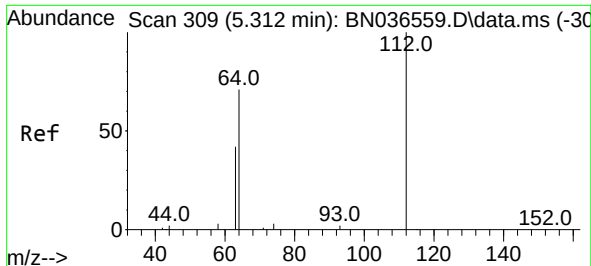


#2  
 1,4-Dioxane  
 Concen: 2.837 ng  
 RT: 3.218 min Scan# 19  
 Delta R.T. -0.021 min  
 Lab File: BN036780.D  
 Acq: 28 Mar 2025 19:26



Tgt Ion: 88 Resp: 3808  
 Ion Ratio Lower Upper  
 88 100  
 43 60.1 37.8 56.8#  
 58 86.0 67.4 101.2





#4

2-Fluorophenol

Concen: 0.079 ng

RT: 5.290 min Scan# 309

Delta R.T. -0.022 min

Lab File: BN036780.D

Acq: 28 Mar 2025 19:26

Instrument :

BNA\_N

ClientSampleId :

TT189D2-20250319DL

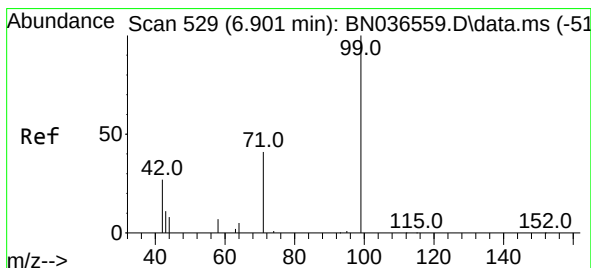
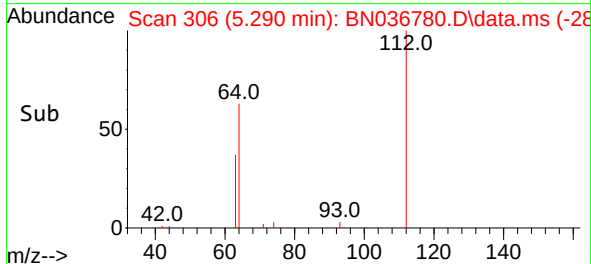
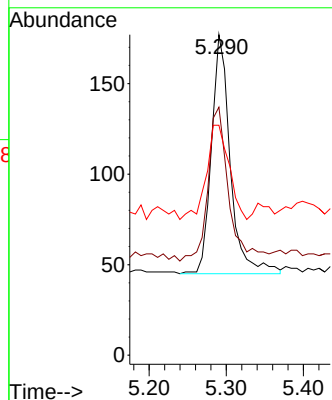
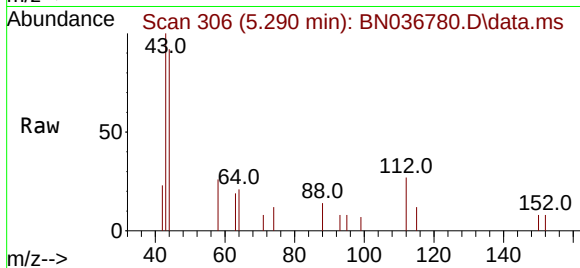
Tgt Ion:112 Resp: 224

Ion Ratio Lower Upper

112 100

64 70.5 53.1 79.7

63 46.9 31.8 47.8



#5

Phenol-d6

Concen: 0.046 ng

RT: 6.872 min Scan# 525

Delta R.T. -0.029 min

Lab File: BN036780.D

Acq: 28 Mar 2025 19:26

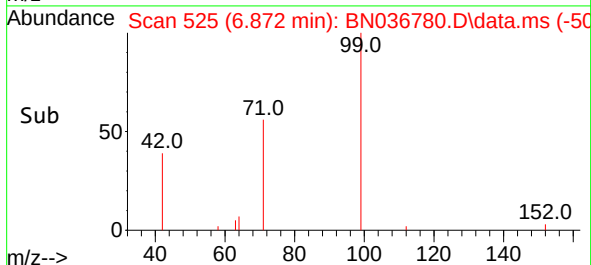
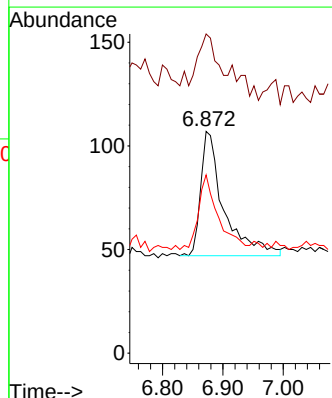
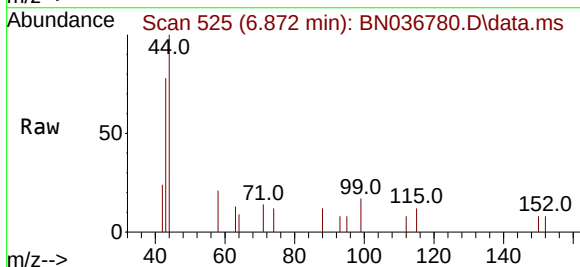
Tgt Ion: 99 Resp: 160

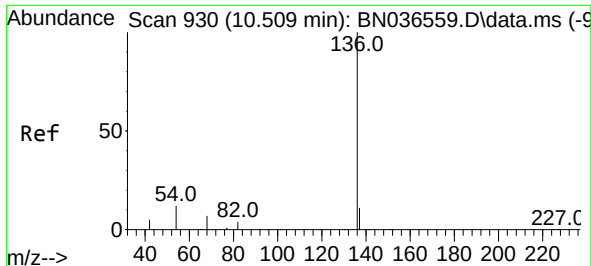
Ion Ratio Lower Upper

99 100

42 33.8 26.5 39.7

71 50.6 34.1 51.1

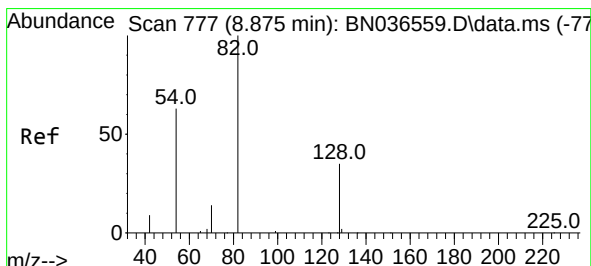
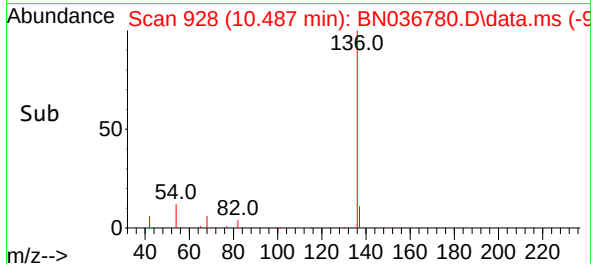
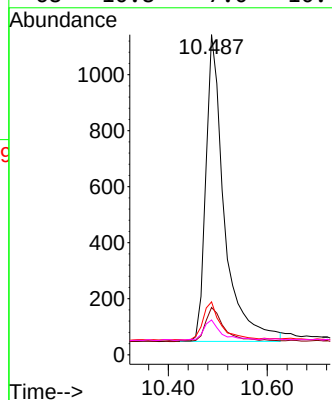
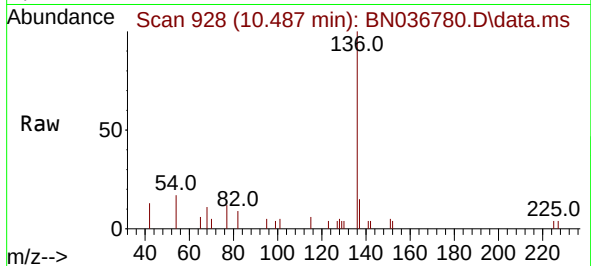




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.487 min Scan# 91  
Delta R.T. -0.021 min  
Lab File: BN036780.D  
Acq: 28 Mar 2025 19:26

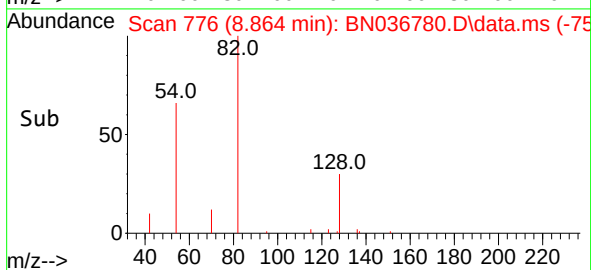
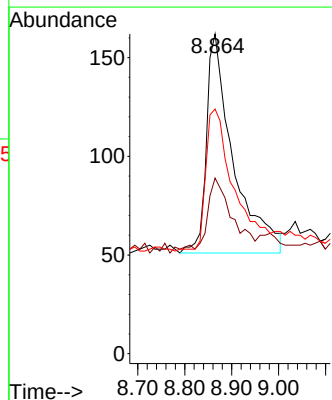
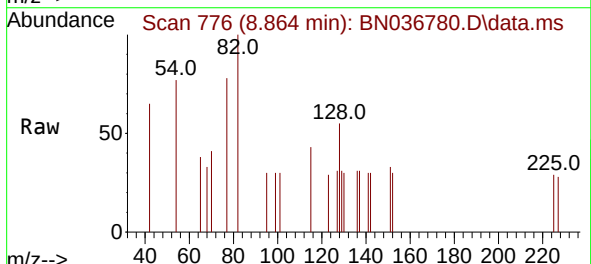
Instrument :  
BNA\_N  
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TT189D2-20250319DL

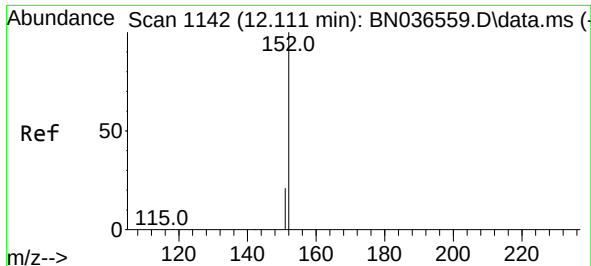
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 2842  |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 14.8  | 10.3  | 15.5  |
| 54       | 16.5  | 11.5  | 17.3  |
| 68       | 10.8  | 7.0   | 10.4  |



#8  
Nitrobenzene-d5  
Concen: 0.142 ng  
RT: 8.864 min Scan# 776  
Delta R.T. -0.011 min  
Lab File: BN036780.D  
Acq: 28 Mar 2025 19:26

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 439   |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 54.9  | 30.6  | 45.8  |
| 54       | 76.5  | 52.2  | 78.4  |

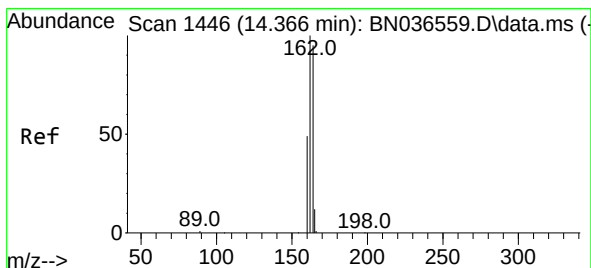
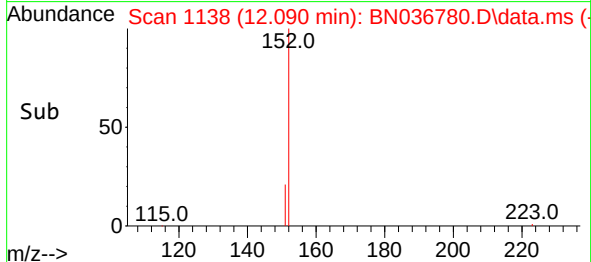
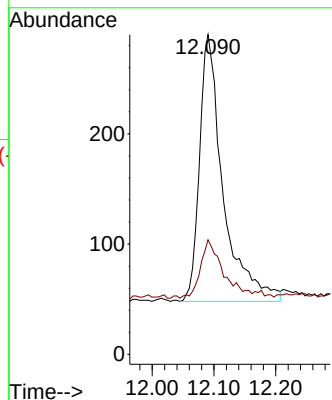
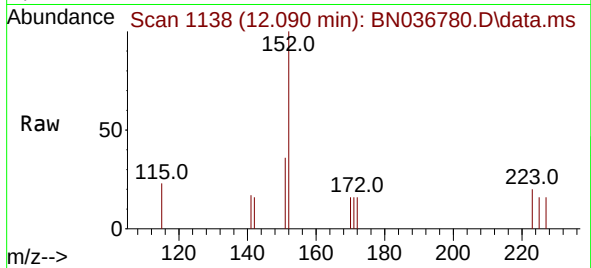




#11  
2-Methylnaphthalene-d10  
Concen: 0.152 ng  
RT: 12.090 min Scan# 1142  
Delta R.T. -0.020 min  
Lab File: BN036780.D  
Acq: 28 Mar 2025 19:26

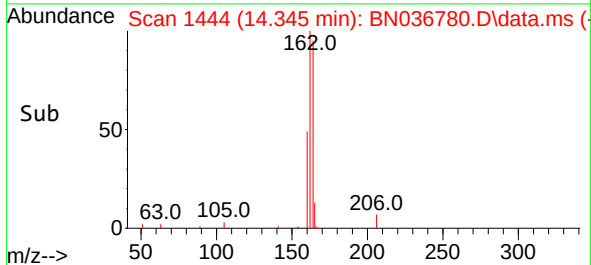
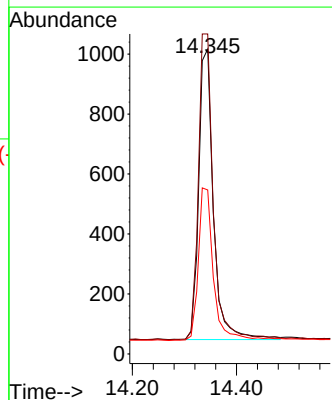
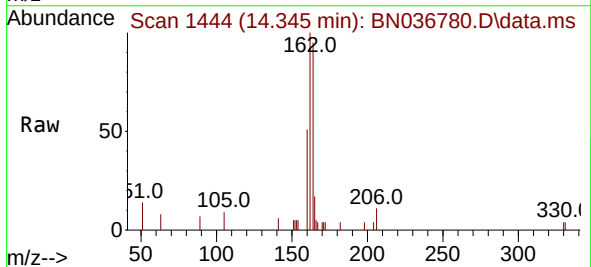
Instrument :  
BNA\_N  
ClientSampleId :  
TT189D2-20250319DL

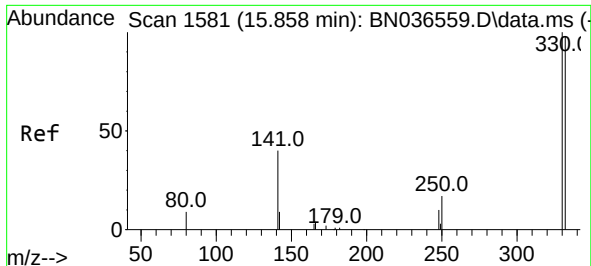
Tgt Ion:152 Resp: 641  
Ion Ratio Lower Upper  
152 100  
151 20.9 17.0 25.6



#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.345 min Scan# 1444  
Delta R.T. -0.021 min  
Lab File: BN036780.D  
Acq: 28 Mar 2025 19:26

Tgt Ion:164 Resp: 1908  
Ion Ratio Lower Upper  
164 100  
162 104.9 84.2 126.2  
160 53.8 42.2 63.2

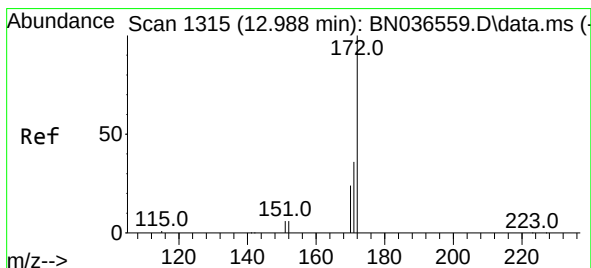
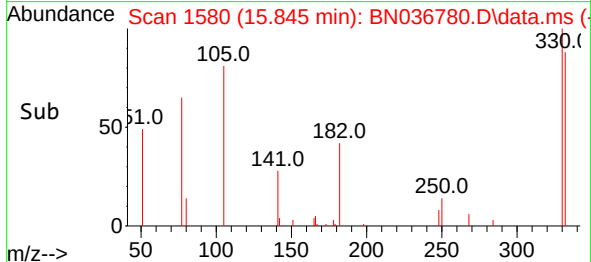
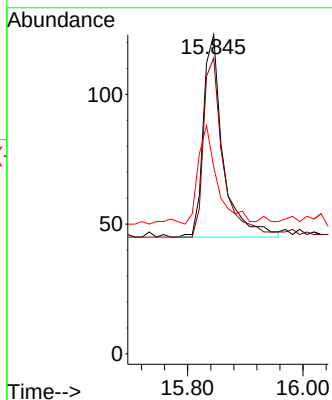
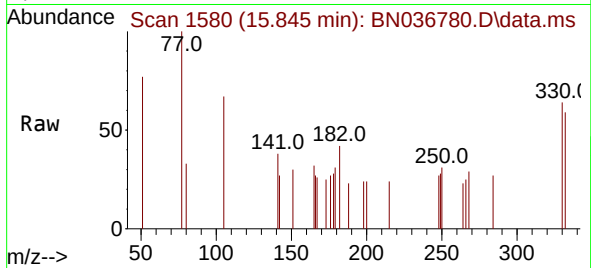




#14  
2,4,6-Tribromophenol  
Concen: 0.214 ng  
RT: 15.845 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BN036780.D  
Acq: 28 Mar 2025 19:26

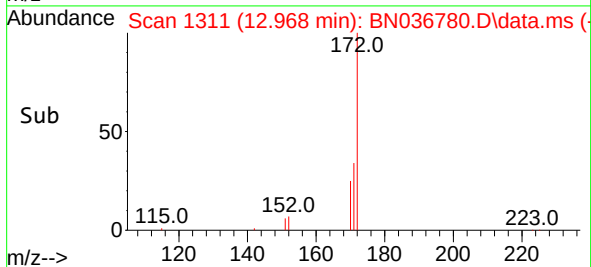
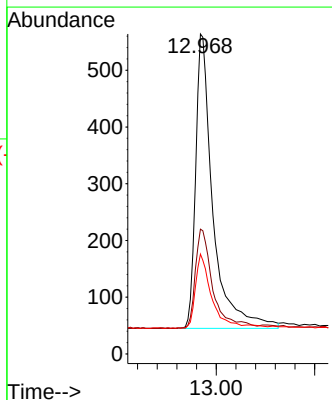
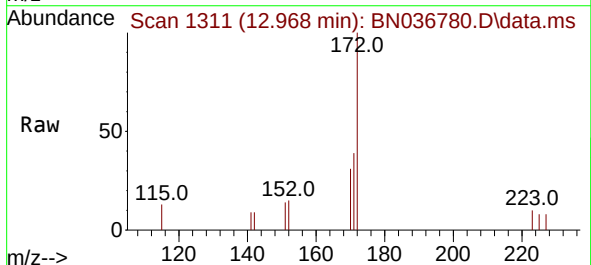
Instrument :  
BNA\_N  
ClientSampleId :  
TT189D2-20250319DL

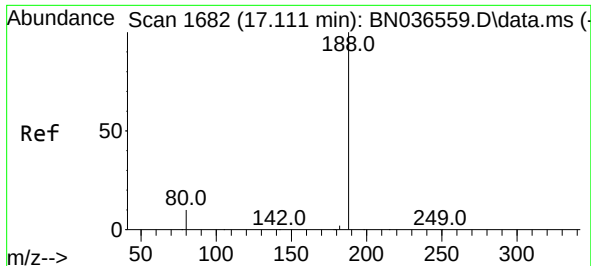
Tgt Ion:330 Resp: 185  
Ion Ratio Lower Upper  
330 100  
332 88.6 75.2 112.8  
141 47.6 43.4 65.2



#15  
2-Fluorobiphenyl  
Concen: 0.150 ng  
RT: 12.968 min Scan# 1311  
Delta R.T. -0.020 min  
Lab File: BN036780.D  
Acq: 28 Mar 2025 19:26

Tgt Ion:172 Resp: 1663  
Ion Ratio Lower Upper  
172 100  
171 39.0 29.5 44.3  
170 31.2 20.2 30.4#

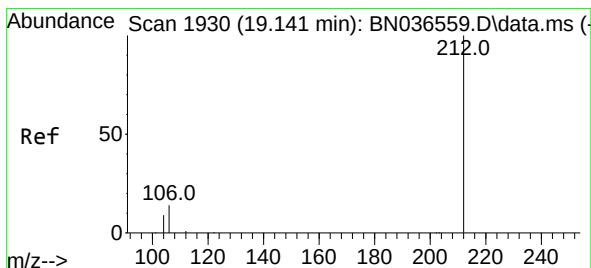
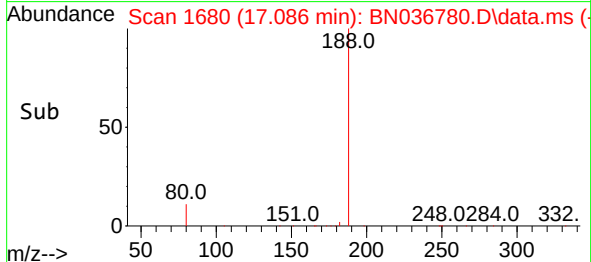
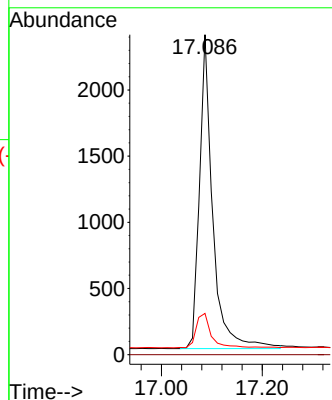
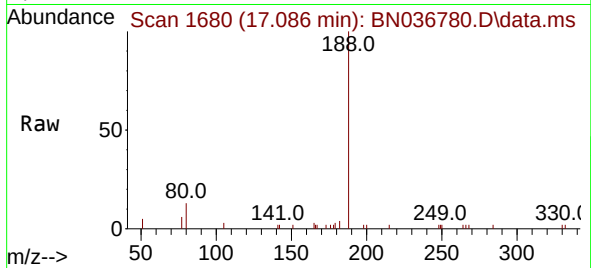




#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.086 min Scan# 1680  
Delta R.T. -0.025 min  
Lab File: BN036780.D  
Acq: 28 Mar 2025 19:26

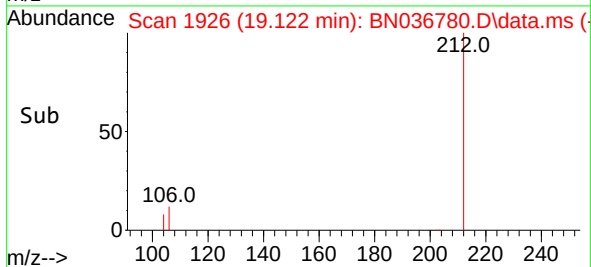
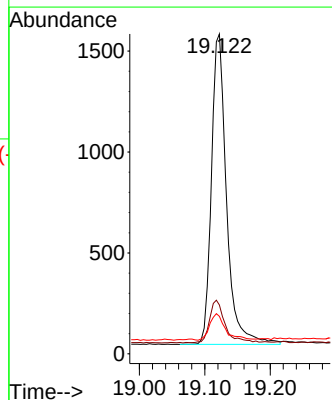
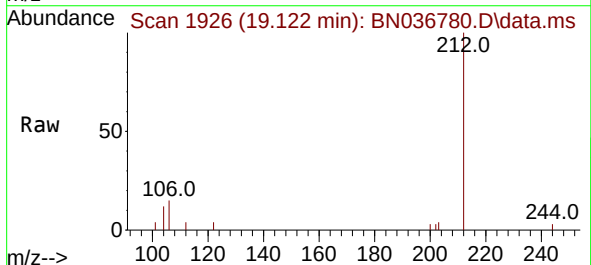
Instrument :  
BNA\_N  
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TT189D2-20250319DL

Tgt Ion:188 Resp: 4326  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 12.9 8.8 13.2

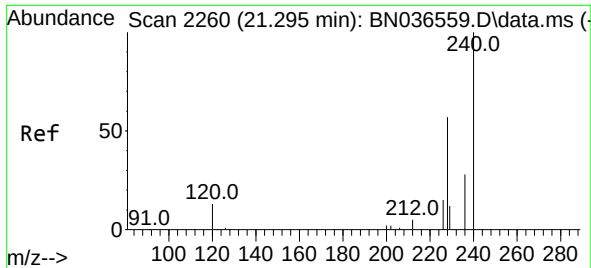


#27  
Fluoranthene-d10  
Concen: 0.223 ng  
RT: 19.122 min Scan# 1926  
Delta R.T. -0.019 min  
Lab File: BN036780.D  
Acq: 28 Mar 2025 19:26

Tgt Ion:212 Resp: 2467  
Ion Ratio Lower Upper  
212 100  
106 14.3 11.8 17.6  
104 8.9 7.3 10.9



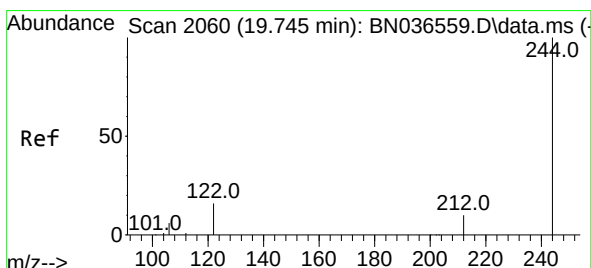
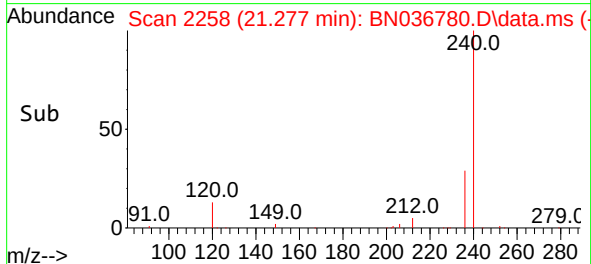
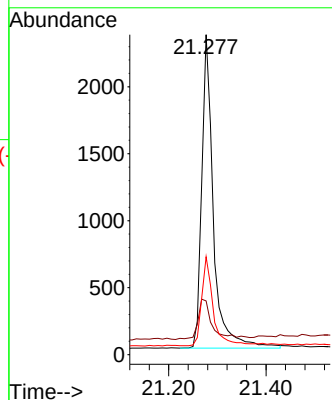
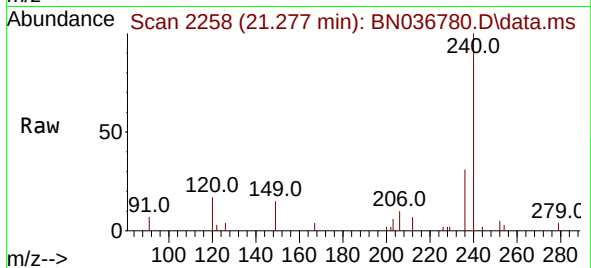




#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.277 min Scan# 21  
Delta R.T. -0.018 min  
Lab File: BN036780.D  
Acq: 28 Mar 2025 19:26

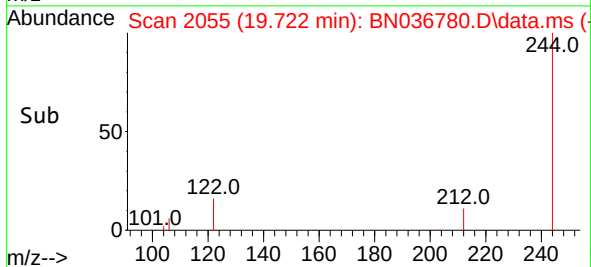
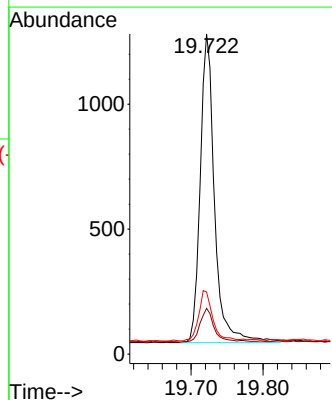
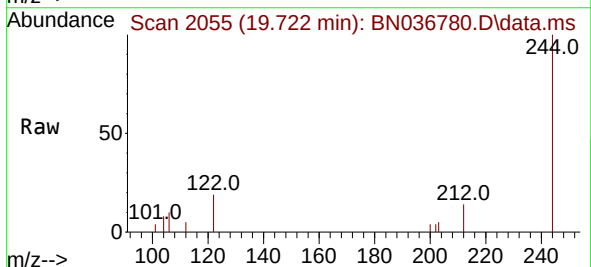
Instrument :  
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TT189D2-20250319DL

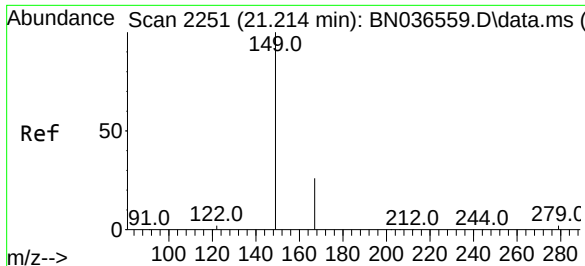
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Ion Ratio Lower Upper  
240 100  
120 16.8 14.6 22.0  
236 30.6 24.1 36.1



#31  
Terphenyl-d14  
Concen: 0.184 ng  
RT: 19.722 min Scan# 2055  
Delta R.T. -0.023 min  
Lab File: BN036780.D  
Acq: 28 Mar 2025 19:26

Tgt Ion:244 Resp: 1709  
Ion Ratio Lower Upper  
244 100  
212 14.3 9.6 14.4  
122 19.4 13.9 20.9

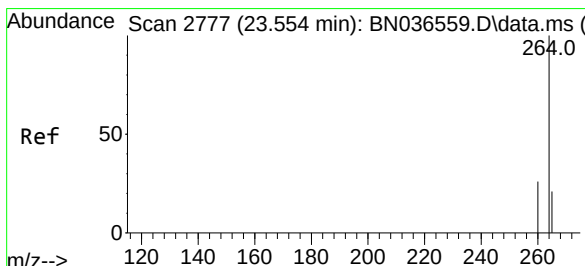
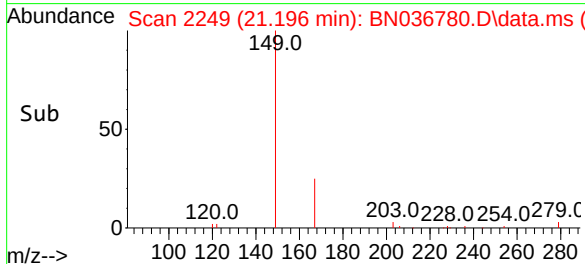
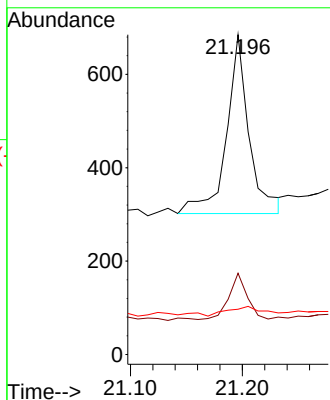
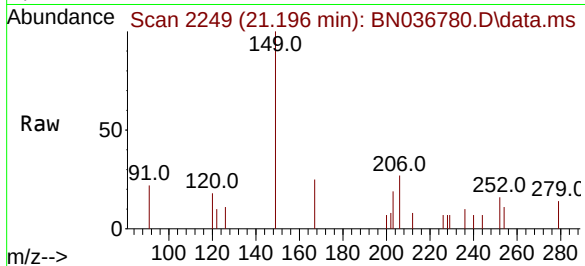




#34  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.056 ng  
 RT: 21.196 min Scan# 2119  
 Delta R.T. -0.018 min  
 Lab File: BN036780.D  
 Acq: 28 Mar 2025 19:26

Instrument :  
 BNA\_N  
 ClientSampleId :  
 TT189D2-20250319DL

Tgt Ion:149 Resp: 537  
 Ion Ratio Lower Upper  
 149 100  
 167 20.9 20.7 31.1  
 279 8.8 3.6 5.4#



#35  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.519 min Scan# 2765  
 Delta R.T. -0.035 min  
 Lab File: BN036780.D  
 Acq: 28 Mar 2025 19:26

Tgt Ion:264 Resp: 3351  
 Ion Ratio Lower Upper  
 264 100  
 260 28.0 22.6 33.8  
 265 86.4 88.1 132.1#

