

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN032825\  
 Data File : BN036782.D  
 Acq On : 28 Mar 2025 20:38  
 Operator : RC/JU  
 Sample : Q1608-28  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DUP09-20250319

Manual Integrations  
 APPROVED

Reviewed By :Anahy Claudio 03/31/2025  
 Supervised By :Jagrut Upadhyay 03/31/2025

Quant Time: Mar 28 22:52:56 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     | 7.703  | 152  | 1404     | 0.400 | ng    | -0.02    |
| 7) Naphthalene-d8             | 10.487 | 136  | 3144     | 0.400 | ng    | #-0.02   |
| 13) Acenaphthene-d10          | 14.345 | 164  | 2055     | 0.400 | ng    | -0.02    |
| 19) Phenanthrene-d10          | 17.086 | 188  | 4548     | 0.400 | ng    | #-0.02   |
| 29) Chrysene-d12              | 21.277 | 240  | 3753     | 0.400 | ng    | -0.02    |
| 35) Perylene-d12              | 23.519 | 264  | 3299     | 0.400 | ng    | -0.03    |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.290  | 112  | 540      | 0.165 | ng    | -0.02    |
| 5) Phenol-d6                  | 6.879  | 99   | 352      | 0.087 | ng    | -0.02    |
| 8) Nitrobenzene-d5            | 8.865  | 82   | 999      | 0.292 | ng    | -0.01    |
| 11) 2-Methylnaphthalene-d10   | 12.091 | 152  | 1536     | 0.328 | ng    | -0.02    |
| 14) 2,4,6-Tribromophenol      | 15.845 | 330  | 394      | 0.423 | ng    | -0.01    |
| 15) 2-Fluorobiphenyl          | 12.968 | 172  | 3596     | 0.301 | ng    | -0.02    |
| 27) Fluoranthene-d10          | 19.118 | 212  | 5312     | 0.456 | ng    | -0.02    |
| 31) Terphenyl-d14             | 19.722 | 244  | 3705     | 0.412 | ng    | -0.02    |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.225  | 88   | 1116     | 0.717 | ng    | # 73     |
| 34) Bis(2-ethylhexyl)phtha... | 21.196 | 149  | 375m     | 0.040 | ng    |          |
| -----                         |        |      |          |       |       |          |

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

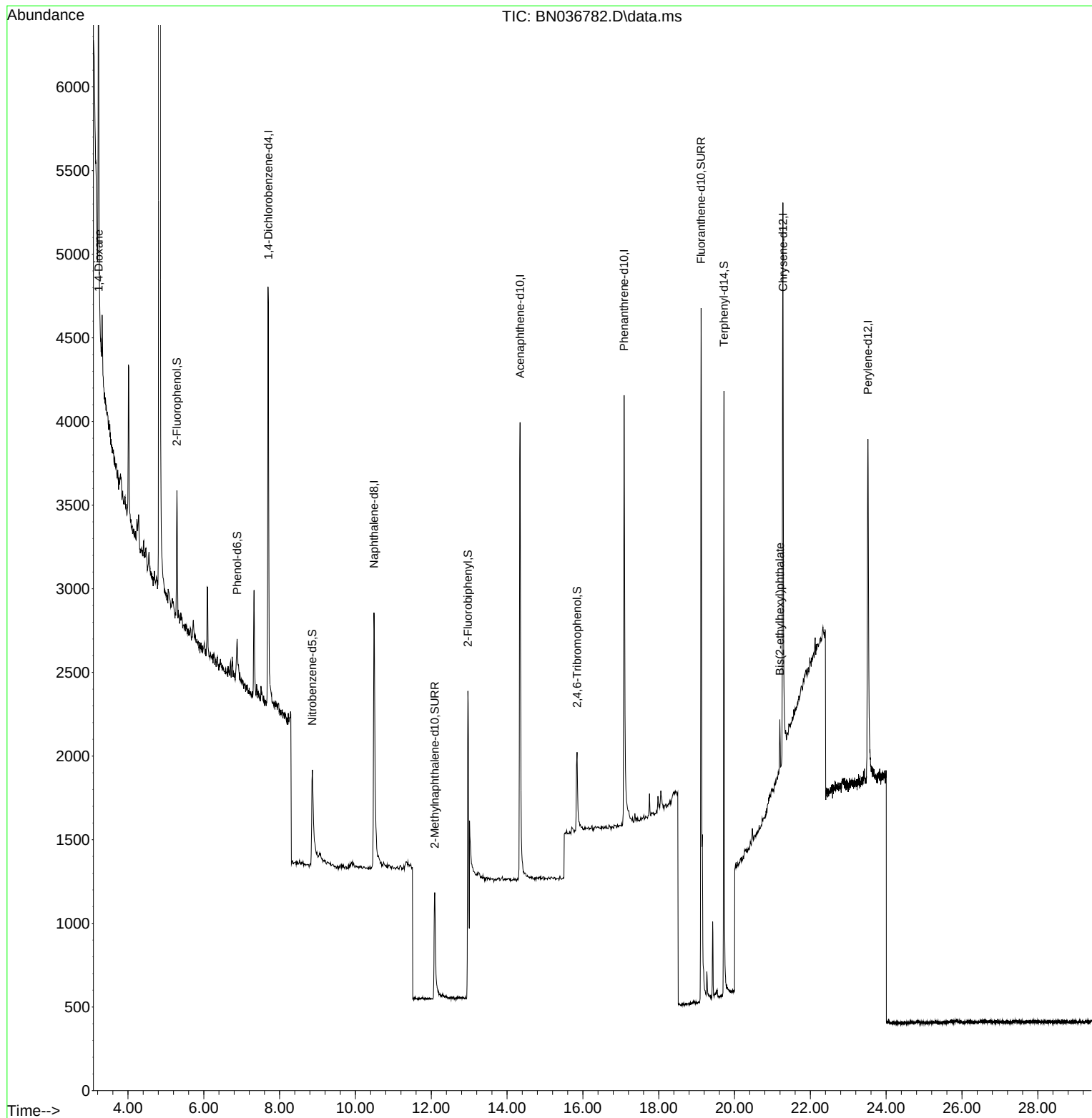
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN032825\  
Data File : BN036782.D  
Acq On : 28 Mar 2025 20:38  
Operator : RC/JU  
Sample : Q1608-28  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

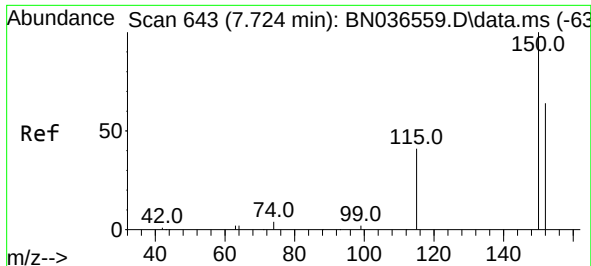
Instrument :  
BNA\_N  
ClientSampleId :  
DUP09-20250319

Quant Time: Mar 28 22:52:56 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

Manual Integrations  
APPROVED

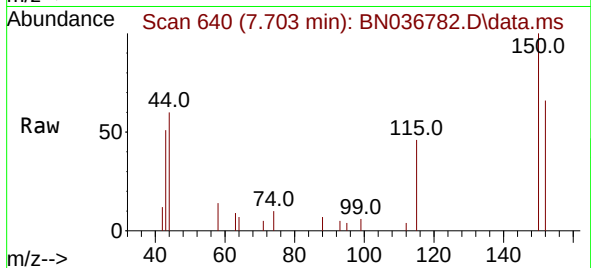
Reviewed By :Anahy Claudio 03/31/2025  
Supervised By :Jagrut Upadhyay 03/31/2025





#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.703 min Scan# 64  
 Delta R.T. -0.021 min  
 Lab File: BN036782.D  
 Acq: 28 Mar 2025 20:38

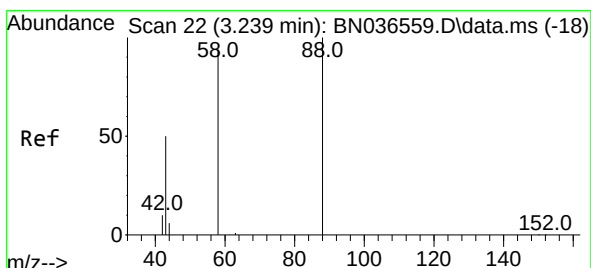
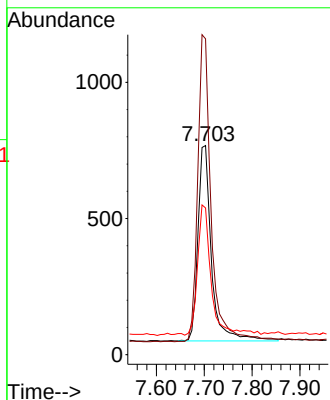
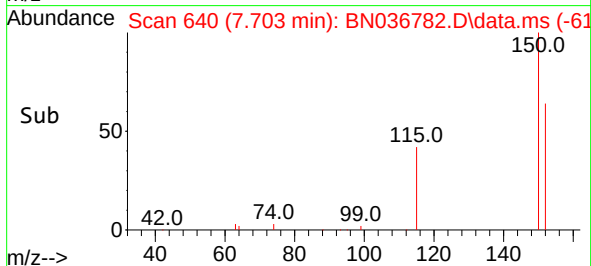
Instrument :  
 BNA\_N  
 ClientSampleId :  
 DUP09-20250319



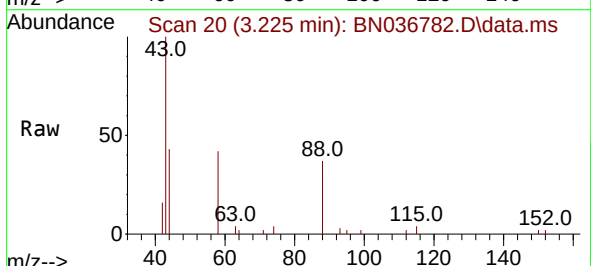
Tgt Ion:152 Resp: 1404  
 Ion Ratio Lower Upper  
 152 100  
 150 151.0 123.7 185.5  
 115 70.2 54.3 81.5

Manual Integrations  
 APPROVED

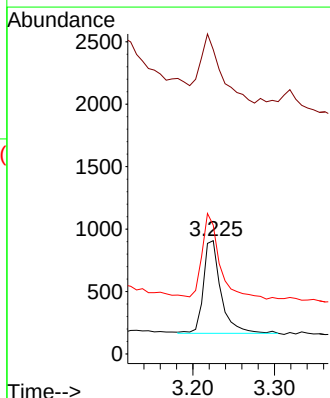
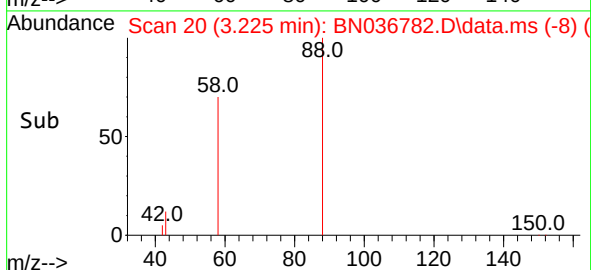
Reviewed By :Anahy Claudio 03/31/2025  
 Supervised By :Jagrut Upadhyay 03/31/2025

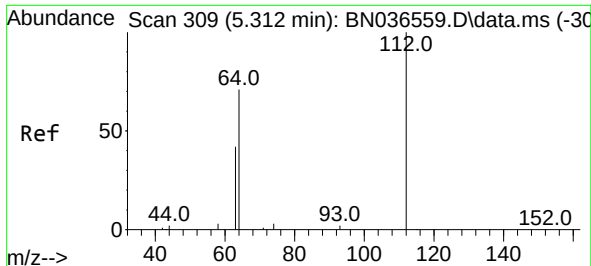


#2  
 1,4-Dioxane  
 Concen: 0.717 ng  
 RT: 3.225 min Scan# 20  
 Delta R.T. -0.014 min  
 Lab File: BN036782.D  
 Acq: 28 Mar 2025 20:38



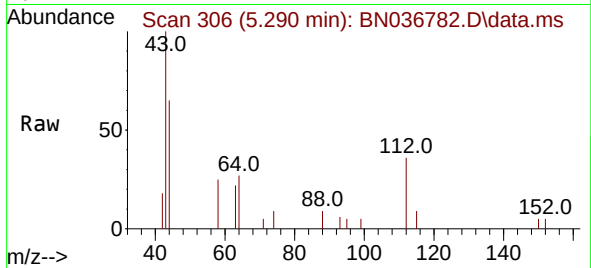
Tgt Ion: 88 Resp: 1116  
 Ion Ratio Lower Upper  
 88 100  
 43 88.2 37.8 56.8#  
 58 91.2 67.4 101.2





#4  
2-Fluorophenol  
Concen: 0.165 ng  
RT: 5.290 min Scan# 309  
Delta R.T. -0.022 min  
Lab File: BN036782.D  
Acq: 28 Mar 2025 20:38

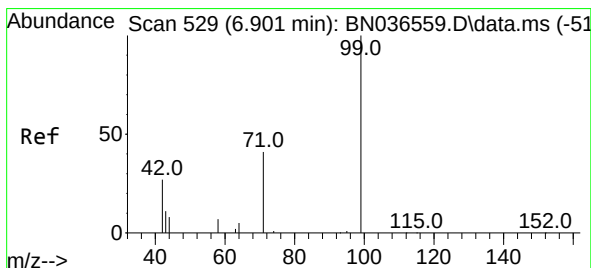
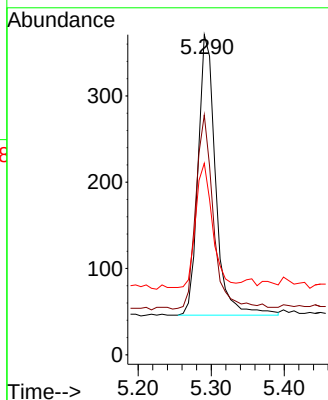
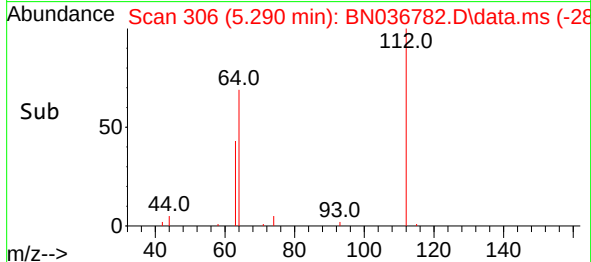
Instrument :  
BNA\_N  
ClientSampleId :  
DUP09-20250319



Tgt Ion: 112 Resp: 540  
Ion Ratio Lower Upper  
112 100  
64 70.2 53.1 79.7  
63 43.3 31.8 47.8

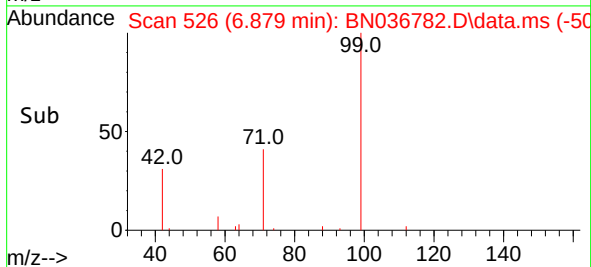
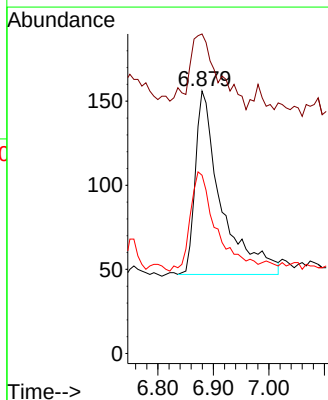
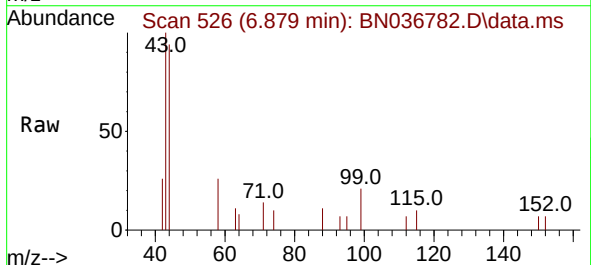
Manual Integrations  
APPROVED

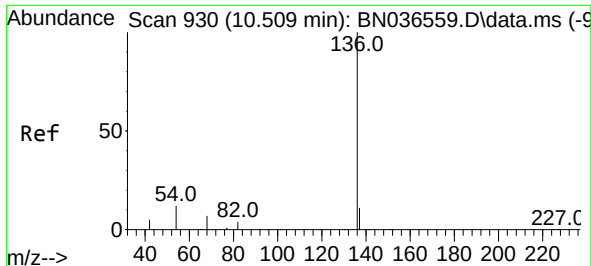
Reviewed By :Anahy Claudio 03/31/2025  
Supervised By :Jagrut Upadhyay 03/31/2025



#5  
Phenol-d6  
Concen: 0.087 ng  
RT: 6.879 min Scan# 526  
Delta R.T. -0.022 min  
Lab File: BN036782.D  
Acq: 28 Mar 2025 20:38

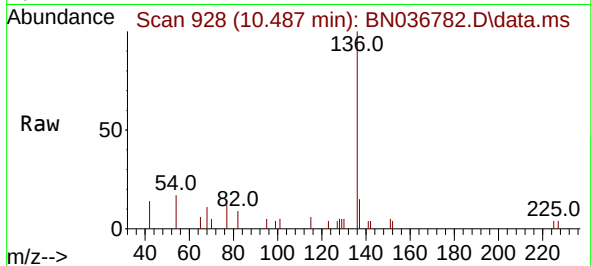
Tgt Ion: 99 Resp: 352  
Ion Ratio Lower Upper  
99 100  
42 47.4 26.5 39.7#  
71 54.8 34.1 51.1#





#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.487 min Scan# 91  
Delta R.T. -0.021 min  
Lab File: BN036782.D  
Acq: 28 Mar 2025 20:38

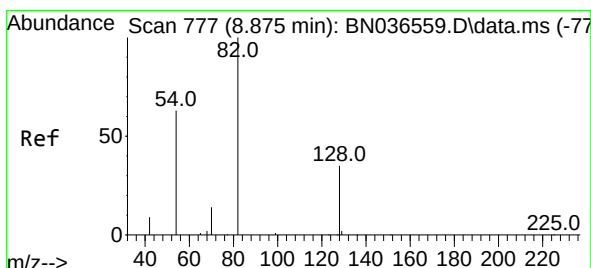
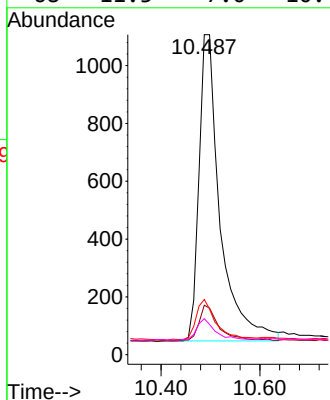
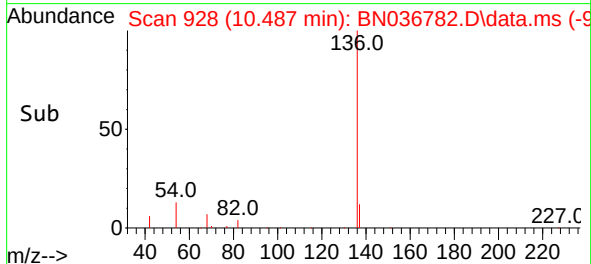
Instrument :  
BNA\_N  
ClientSampleId :  
DUP09-20250319



Tgt Ion:136 Resp: 314  
Ion Ratio Lower Upper  
136 100  
137 15.4 10.3 15.5  
54 17.3 11.5 17.3  
68 11.3 7.0 10.4#

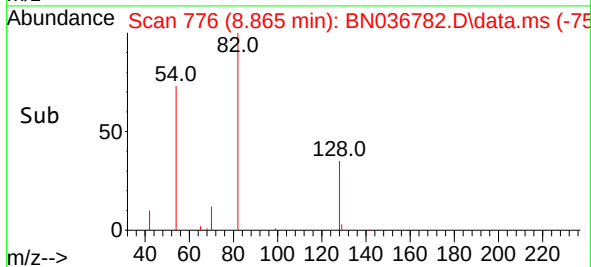
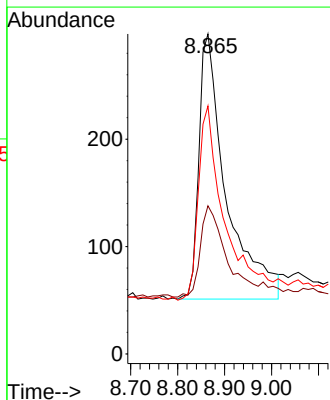
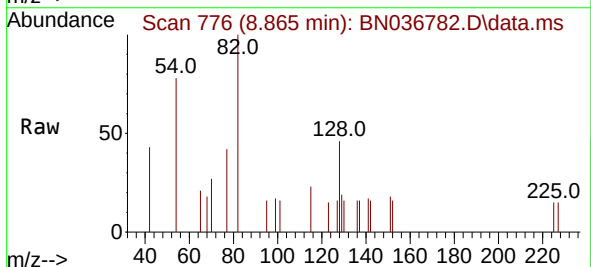
Manual Integrations  
APPROVED

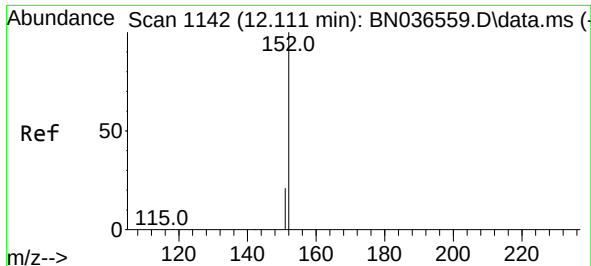
Reviewed By :Anahy Claudio 03/31/2025  
Supervised By :Jagrut Upadhyay 03/31/2025



#8  
Nitrobenzene-d5  
Concen: 0.292 ng  
RT: 8.865 min Scan# 776  
Delta R.T. -0.011 min  
Lab File: BN036782.D  
Acq: 28 Mar 2025 20:38

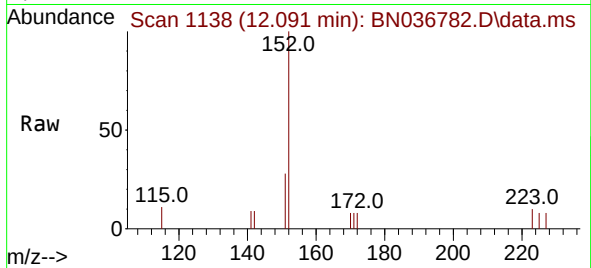
Tgt Ion: 82 Resp: 999  
Ion Ratio Lower Upper  
82 100  
128 46.3 30.6 45.8#  
54 77.5 52.2 78.4





#11  
2-Methylnaphthalene-d10  
Concen: 0.328 ng  
RT: 12.091 min Scan# 1138  
Delta R.T. -0.020 min  
Lab File: BN036782.D  
Acq: 28 Mar 2025 20:38

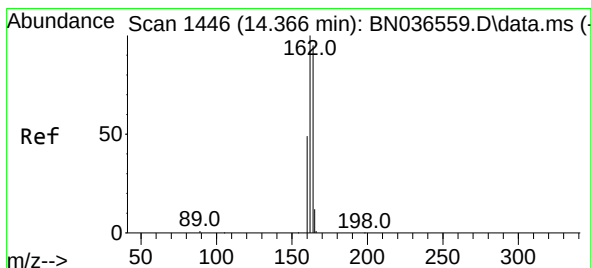
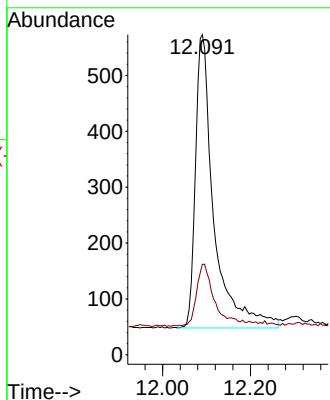
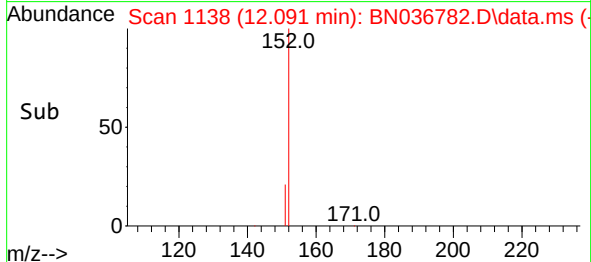
Instrument :  
BNA\_N  
ClientSampleId :  
DUP09-20250319



Tgt Ion:152 Resp: 1530  
Ion Ratio Lower Upper  
152 100  
151 19.7 17.0 25.6

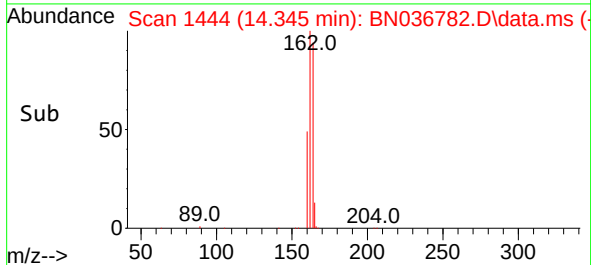
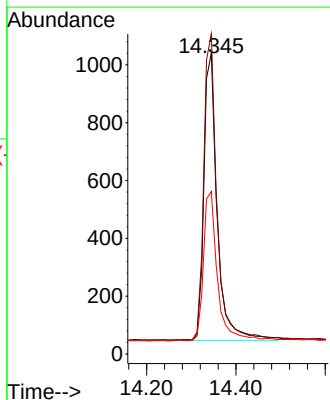
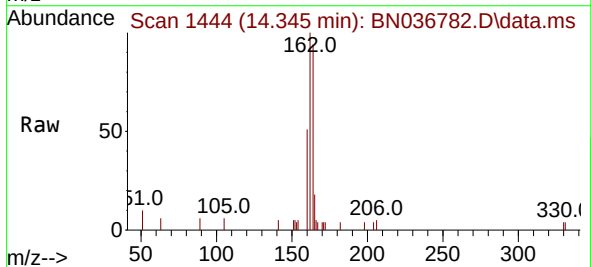
Manual Integrations  
APPROVED

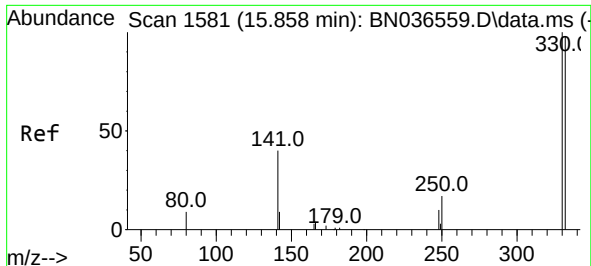
Reviewed By :Anahy Claudio 03/31/2025  
Supervised By :Jagrut Upadhyay 03/31/2025



#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.345 min Scan# 1444  
Delta R.T. -0.021 min  
Lab File: BN036782.D  
Acq: 28 Mar 2025 20:38

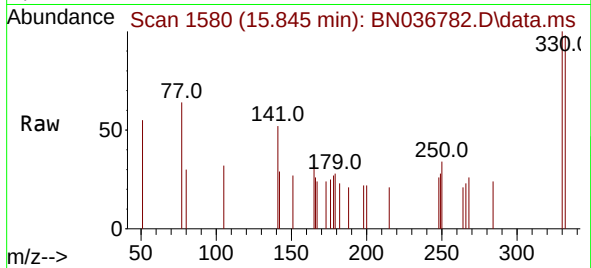
Tgt Ion:164 Resp: 2055  
Ion Ratio Lower Upper  
164 100  
162 106.4 84.2 126.2  
160 54.0 42.2 63.2





#14  
2,4,6-Tribromophenol  
Concen: 0.423 ng  
RT: 15.845 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BN036782.D  
Acq: 28 Mar 2025 20:38

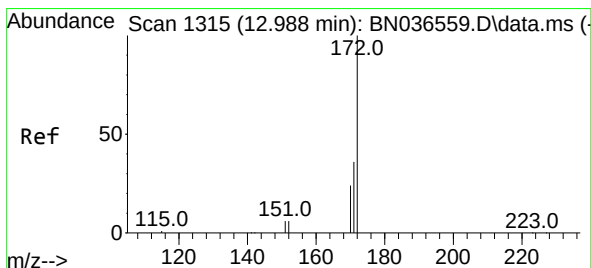
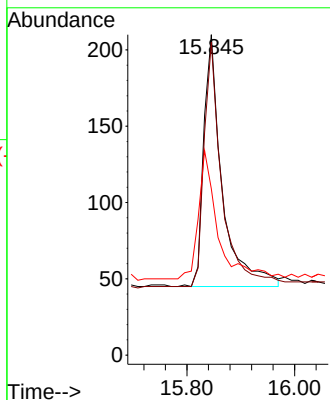
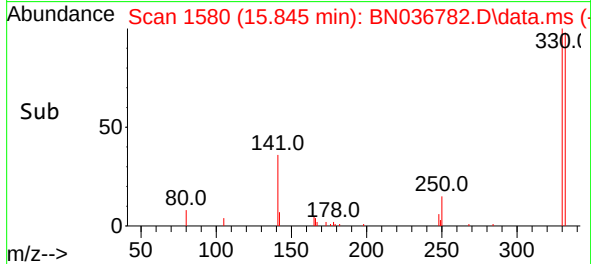
Instrument :  
BNA\_N  
ClientSampleId :  
DUP09-20250319



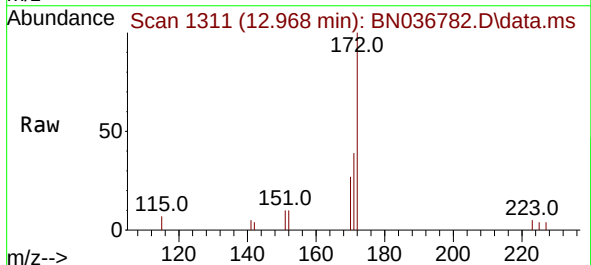
Tgt Ion:330 Resp: 394  
Ion Ratio Lower Upper  
330 100  
332 94.2 75.2 112.8  
141 53.0 43.4 65.2

Manual Integrations  
APPROVED

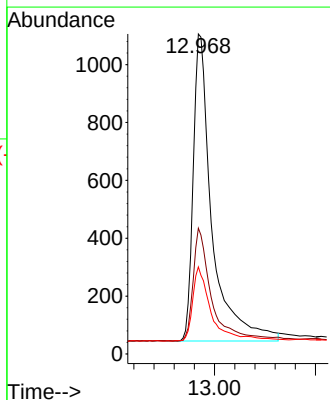
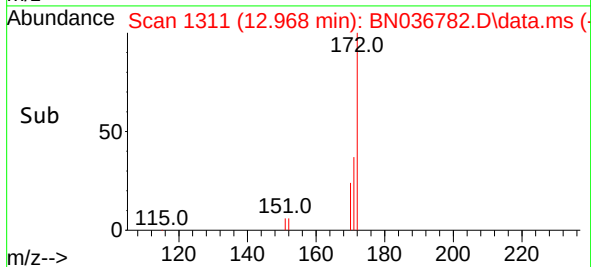
Reviewed By :Anahy Claudio 03/31/2025  
Supervised By :Jagrut Upadhyay 03/31/2025

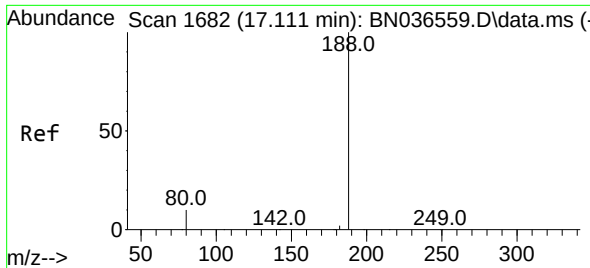


#15  
2-Fluorobiphenyl  
Concen: 0.301 ng  
RT: 12.968 min Scan# 1311  
Delta R.T. -0.020 min  
Lab File: BN036782.D  
Acq: 28 Mar 2025 20:38



Tgt Ion:172 Resp: 3596  
Ion Ratio Lower Upper  
172 100  
171 39.3 29.5 44.3  
170 27.2 20.2 30.4





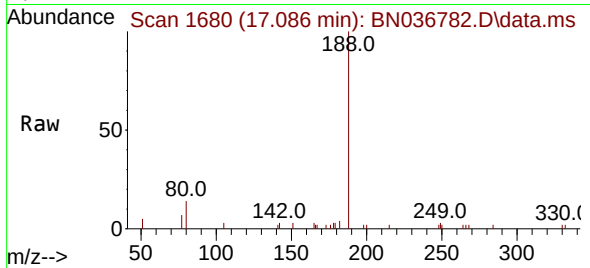
#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.086 min Scan# 1680  
Delta R.T. -0.025 min  
Lab File: BN036782.D  
Acq: 28 Mar 2025 20:38

Instrument :

BNA\_N

ClientSampleId :

DUP09-20250319

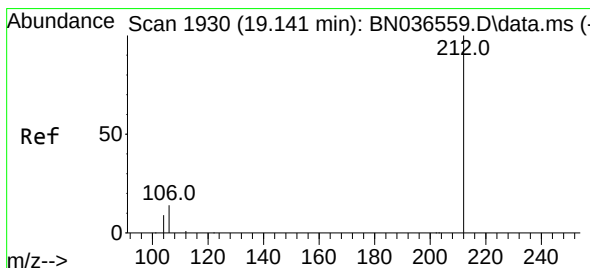
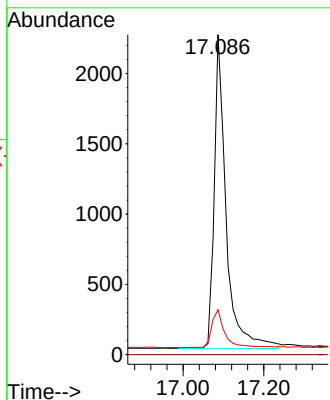
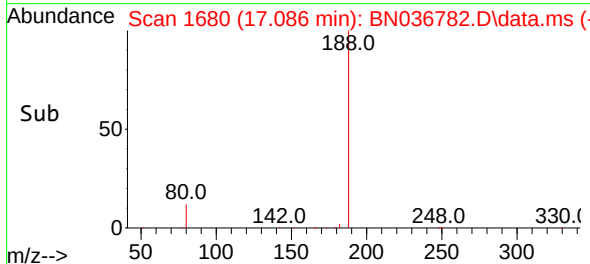


Tgt Ion:188 Resp: 4548  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 14.1 8.8 13.2

Manual Integrations

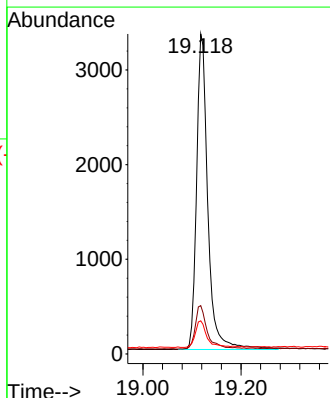
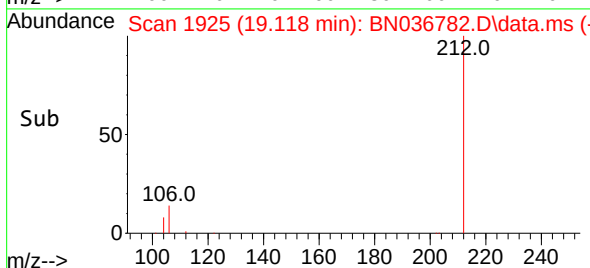
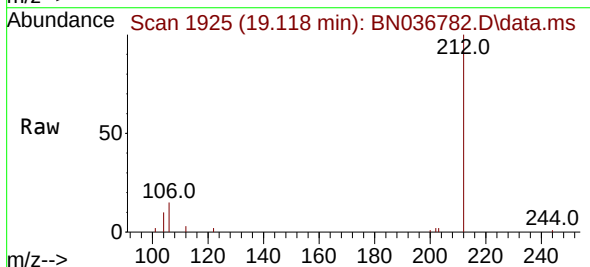
APPROVED

Reviewed By :Anahy Claudio 03/31/2025  
Supervised By :Jagrut Upadhyay 03/31/2025

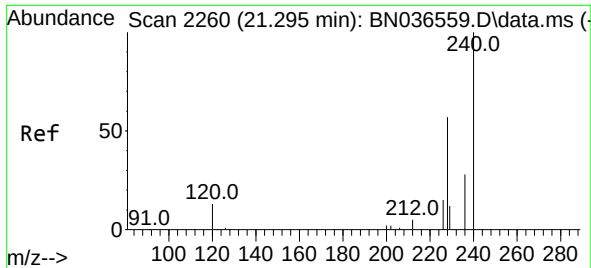


#27  
Fluoranthene-d10  
Concen: 0.456 ng  
RT: 19.118 min Scan# 1925  
Delta R.T. -0.023 min  
Lab File: BN036782.D  
Acq: 28 Mar 2025 20:38

Tgt Ion:212 Resp: 5312  
Ion Ratio Lower Upper  
212 100  
106 14.7 11.8 17.6  
104 8.6 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: BN036782.D  
Acq: 28 Mar 2025 20:38

Instrument :

BNA\_N

ClientSampleId :

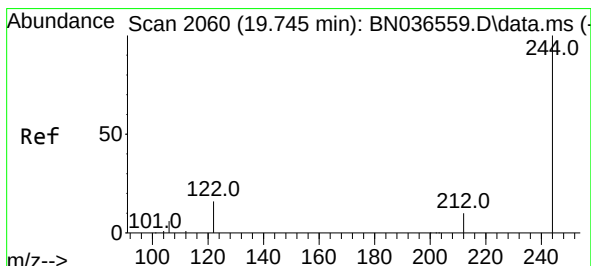
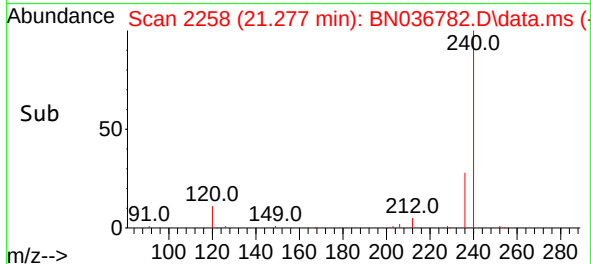
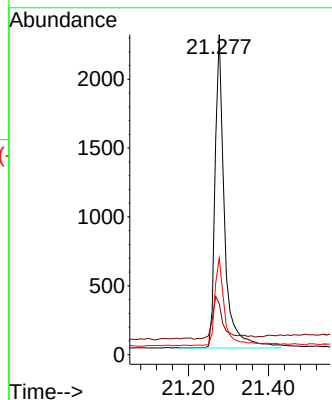
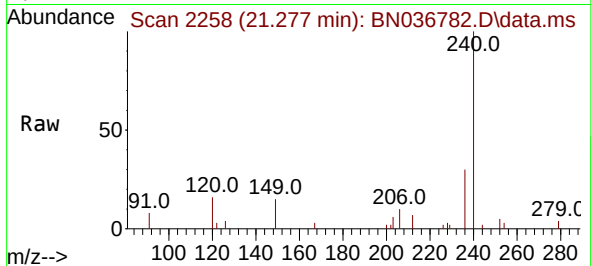
DUP09-20250319

Tgt Ion:240 Resp: 375  
Ion Ratio Lower Upper  
240 100  
120 16.0 14.6 22.0  
236 30.2 24.1 36.1

Manual Integrations

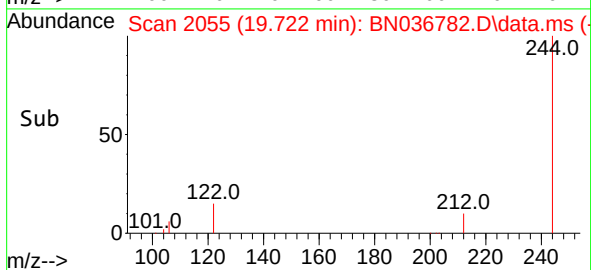
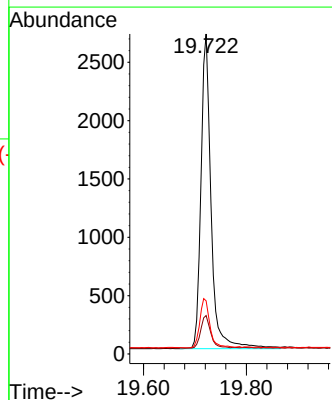
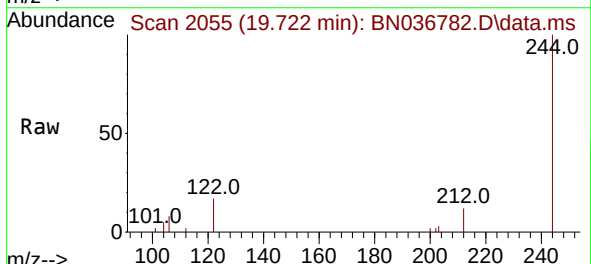
APPROVED

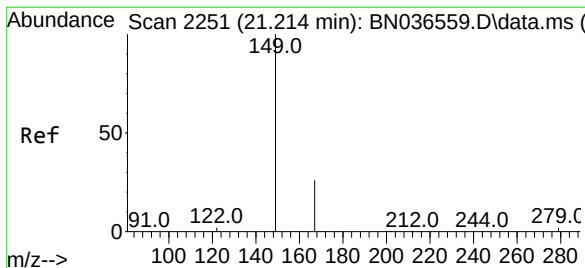
Reviewed By :Anahy Claudio 03/31/2025  
Supervised By :Jagrut Upadhyay 03/31/2025



#31  
Terphenyl-d14  
Concen: 0.412 ng  
RT: 19.722 min Scan# 2055  
Delta R.T. -0.023 min  
Lab File: BN036782.D  
Acq: 28 Mar 2025 20:38

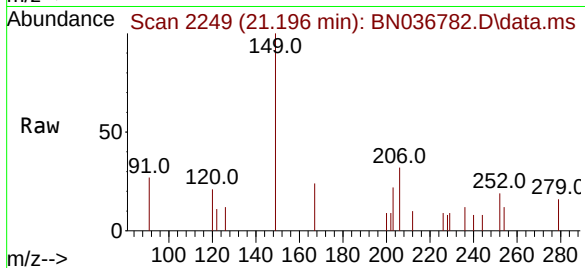
Tgt Ion:244 Resp: 3705  
Ion Ratio Lower Upper  
244 100  
212 12.0 9.6 14.4  
122 16.6 13.9 20.9





#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.040 ng m  
RT: 21.196 min Scan# 2119  
Delta R.T. -0.018 min  
Lab File: BN036782.D  
Acq: 28 Mar 2025 20:38

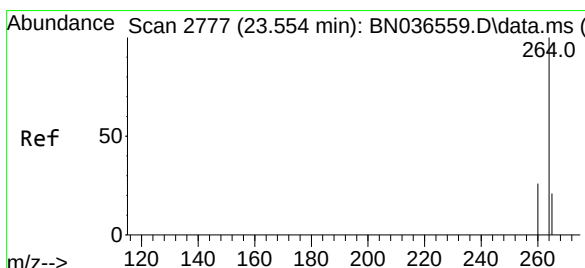
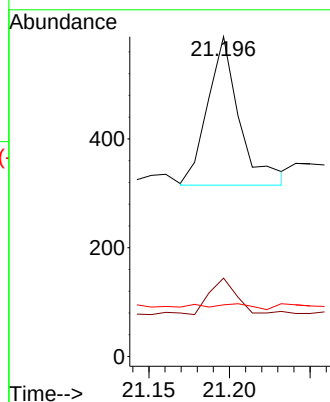
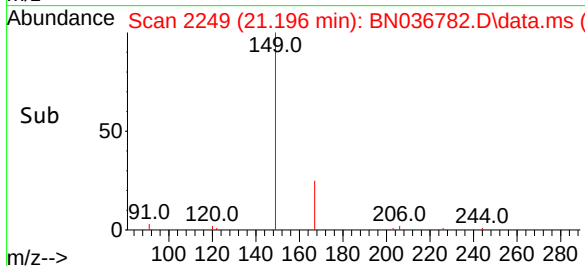
Instrument :  
BNA\_N  
ClientSampleId :  
DUP09-20250319



Tgt Ion:149 Resp: 375  
Ion Ratio Lower Upper  
149 100  
167 21.9 20.7 31.1  
279 5.9 3.6 5.4

Manual Integrations  
APPROVED

Reviewed By :Anahy Claudio 03/31/2025  
Supervised By :Jagrut Upadhyay 03/31/2025



#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.519 min Scan# 2765  
Delta R.T. -0.035 min  
Lab File: BN036782.D  
Acq: 28 Mar 2025 20:38

Tgt Ion:264 Resp: 3299  
Ion Ratio Lower Upper  
264 100  
260 28.6 22.6 33.8  
265 89.5 88.1 132.1

