

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN072423\  
 Data File : BN026729.D  
 Acq On : 25 Jul 2023 01:49  
 Operator : MA/JU  
 Sample : 03630-01  
 Misc :  
 ALS Vial : 65 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SP-100-20230713

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 07/25/2023  
 Supervised By :mohammad ahmed 07/25/2023

Quant Time: Jul 25 03:26:59 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN062723.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jul 24 23:51:48 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.842  | 152  | 1525     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.629 | 136  | 5070     | 0.400 | ng    | # 0.00   |
| 13) Acenaphthene-d10          | 14.470 | 164  | 3787     | 0.400 | ng    | 0.01     |
| 19) Phenanthrene-d10          | 17.219 | 188  | 7049     | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.417 | 240  | 5147     | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 23.788 | 264  | 6465     | 0.400 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.423  | 112  | 175      | 0.047 | ng    | 0.00     |
| 5) Phenol-d6                  | 7.091  | 99   | 274m     | 0.058 | ng    | 0.05     |
| 8) Nitrobenzene-d5            | 9.059  | 82   | 1555m    | 0.359 | ng    | 0.02     |
| 11) 2-Methylnaphthalene-d10   | 12.234 | 152  | 2408     | 0.325 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.991 | 330  | 384      | 0.279 | ng    | 0.01     |
| 15) 2-Fluorobiphenyl          | 13.101 | 172  | 6215     | 0.425 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.254 | 212  | 6066     | 0.406 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.844 | 244  | 8003     | 0.608 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
| 2) 1,4-Dioxane                | 3.227  | 88   | 8740     | 5.418 | ng    | # 93     |
| 34) Bis(2-ethylhexyl)phtha... | 21.301 | 149  | 2336     | 0.141 | ng    | # 93     |
| -----                         |        |      |          |       |       |          |

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

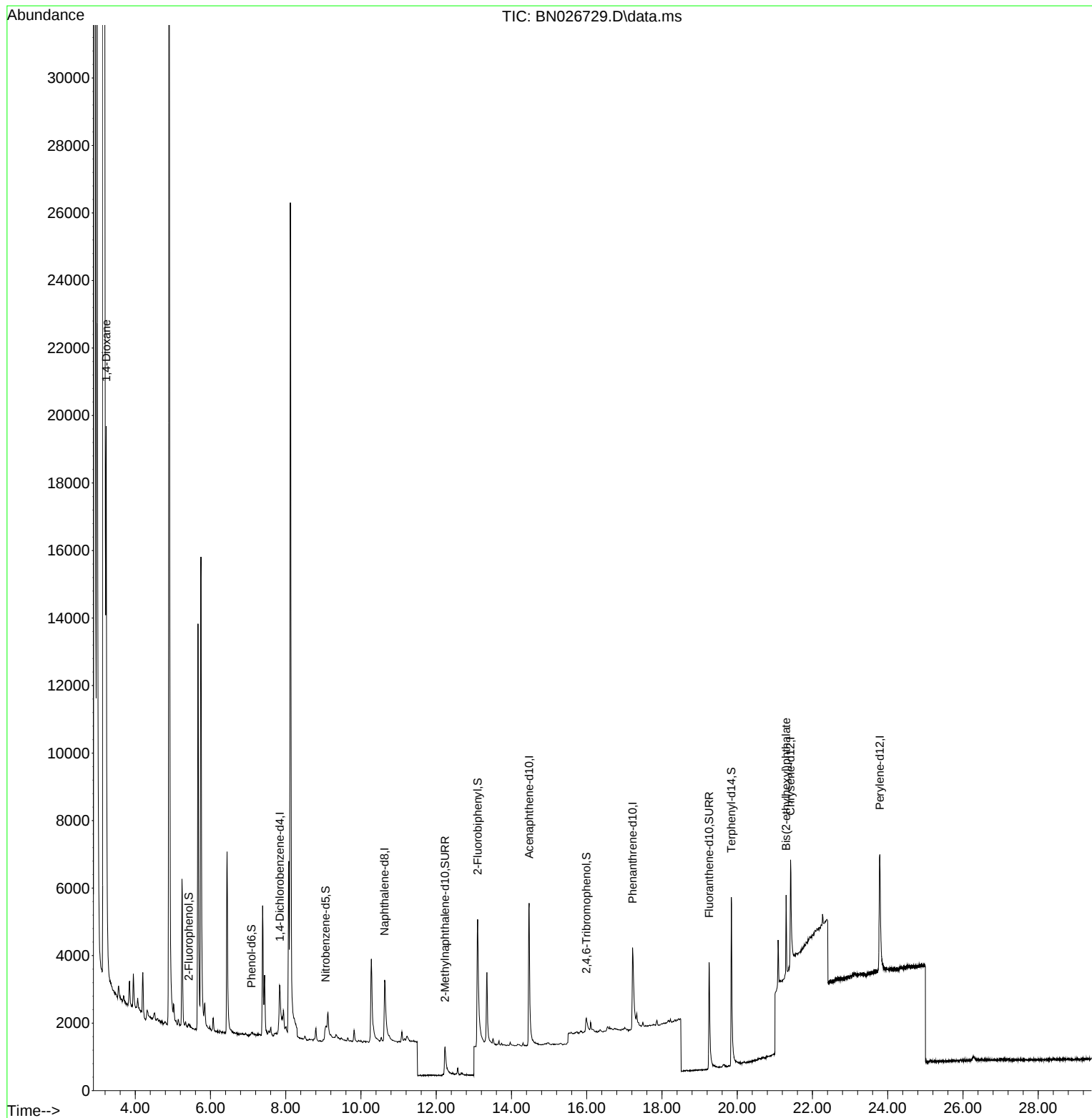
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN072423\  
Data File : BN026729.D  
Acq On : 25 Jul 2023 01:49  
Operator : MA/JU  
Sample : 03630-01  
Misc :  
ALS Vial : 65 Sample Multiplier: 1

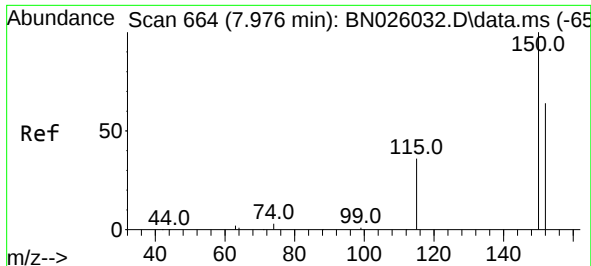
Instrument :  
BNA\_N  
ClientSampleId :  
SP-100-20230713

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 07/25/2023  
Supervised By :mohammad ahmed 07/25/2023

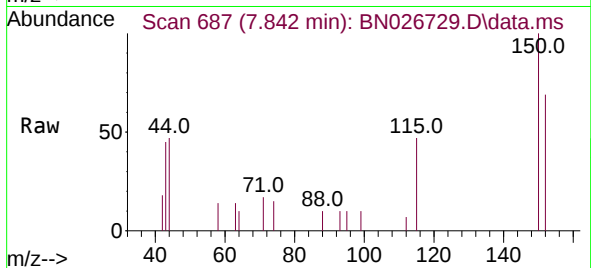
Quant Time: Jul 25 03:26:59 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN062723.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jul 24 23:51:48 2023  
Response via : Initial Calibration





#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.842 min Scan# 61  
 Delta R.T. 0.007 min  
 Lab File: BN026729.D  
 Acq: 25 Jul 2023 01:49

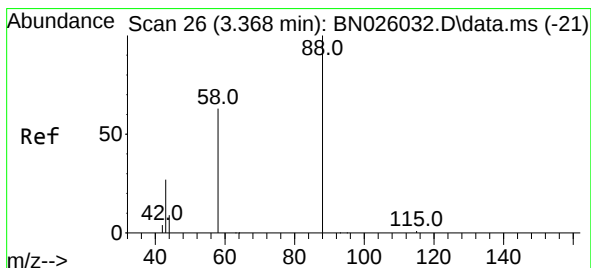
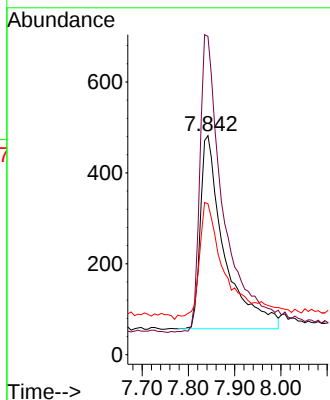
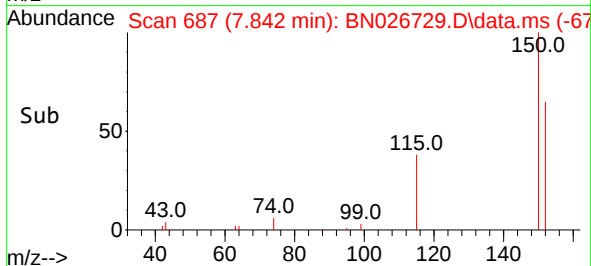
Instrument :  
 BNA\_N  
 ClientSampleId :  
 SP-100-20230713



Tgt Ion: 152 Resp: 152  
 Ion Ratio Lower Upper  
 152 100  
 150 145.2 124.7 187.1  
 115 68.9 48.2 72.4

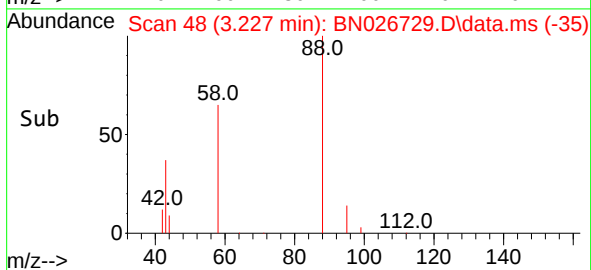
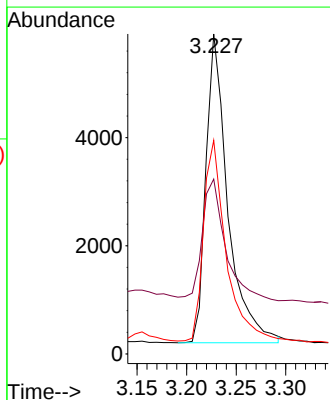
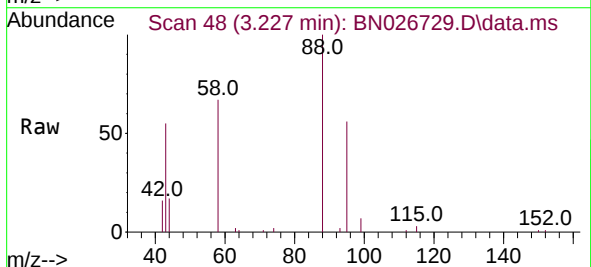
Manual Integrations  
 APPROVED

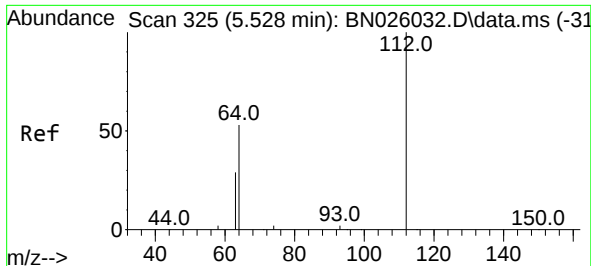
Reviewed By :Yogesh Patel 07/25/2023  
 Supervised By :mohammad ahmed 07/25/2023



#2  
 1,4-Dioxane  
 Concen: 5.418 ng  
 RT: 3.227 min Scan# 48  
 Delta R.T. -0.007 min  
 Lab File: BN026729.D  
 Acq: 25 Jul 2023 01:49

Tgt Ion: 88 Resp: 8740  
 Ion Ratio Lower Upper  
 88 100  
 43 42.1 24.2 36.4#  
 58 66.5 53.3 79.9





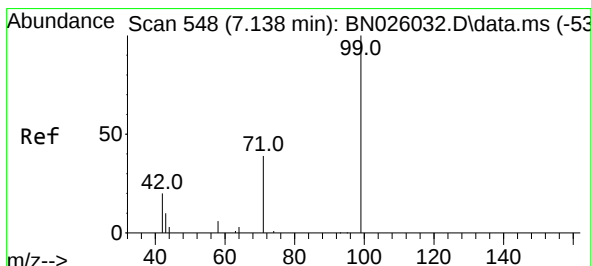
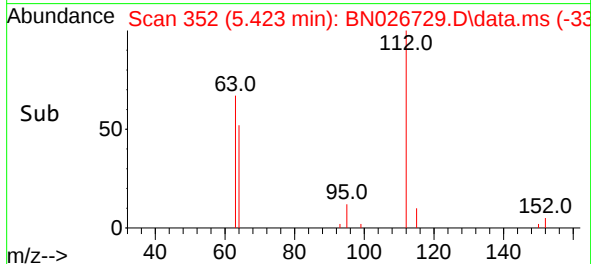
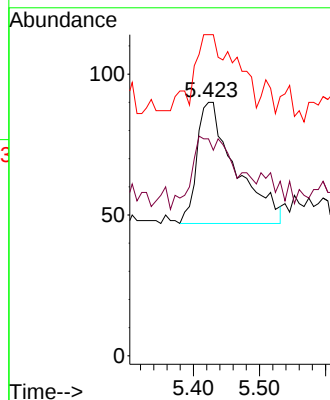
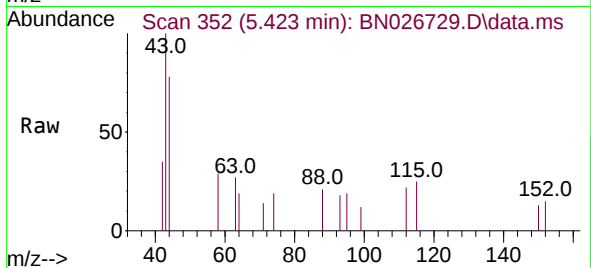
#4  
2-Fluorophenol  
Concen: 0.047 ng  
RT: 5.423 min Scan# 31  
Delta R.T. 0.007 min  
Lab File: BN026729.D  
Acq: 25 Jul 2023 01:49

Instrument :  
BNA\_N  
ClientSampleId :  
SP-100-20230713

Tgt Ion: 112 Resp: 179  
Ion Ratio Lower Upper  
112 100  
64 33.7 45.8 68.6  
63 43.4 27.4 41.2

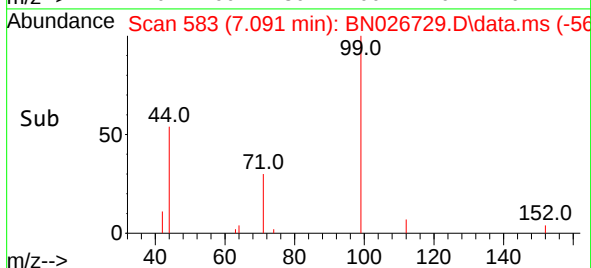
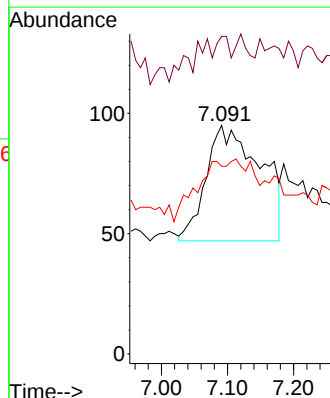
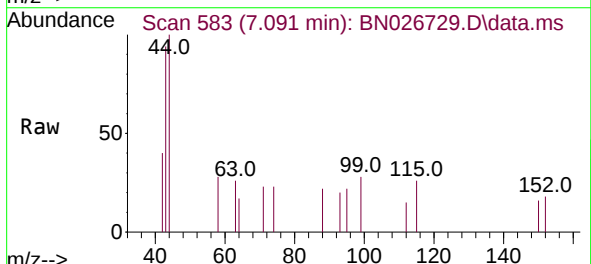
Manual Integrations  
APPROVED

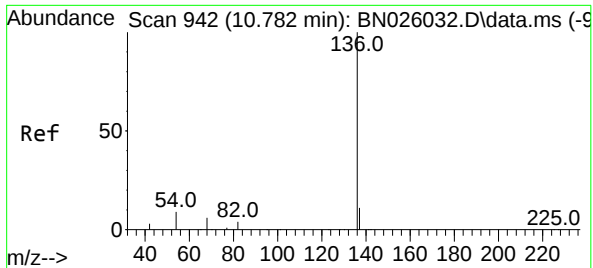
Reviewed By :Yogesh Patel 07/25/2023  
Supervised By :mohammad ahmed 07/25/2023



#5  
Phenol-d6  
Concen: 0.058 ng m  
RT: 7.091 min Scan# 583  
Delta R.T. 0.051 min  
Lab File: BN026729.D  
Acq: 25 Jul 2023 01:49

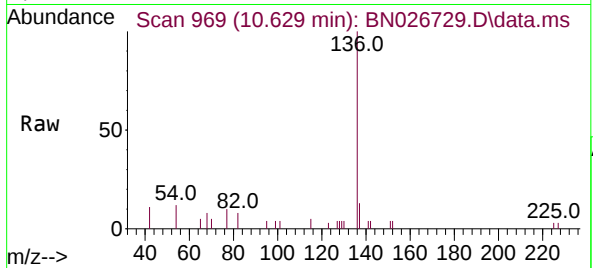
Tgt Ion: 99 Resp: 274  
Ion Ratio Lower Upper  
99 100  
42 2.9 18.4 27.6#  
71 0.0 30.6 46.0#





#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.629 min Scan# 90  
Delta R.T. 0.000 min  
Lab File: BN026729.D  
Acq: 25 Jul 2023 01:49

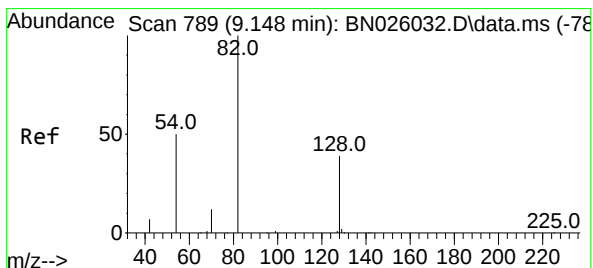
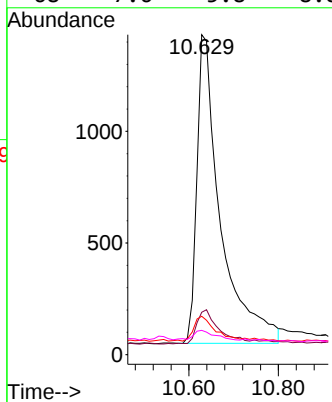
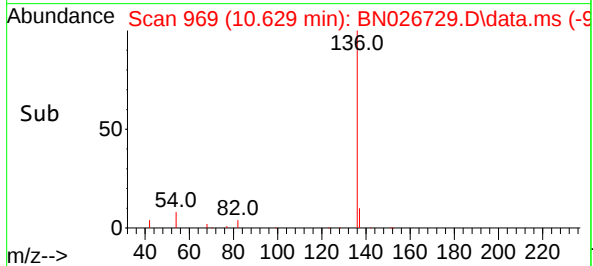
Instrument :  
BNA\_N  
ClientSampleId :  
SP-100-20230713



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 136     | 100   |       |       |
| 137     | 13.3  | 9.0   | 13.4  |
| 54      | 12.0  | 7.8   | 11.6  |
| 68      | 7.6   | 5.8   | 8.8   |

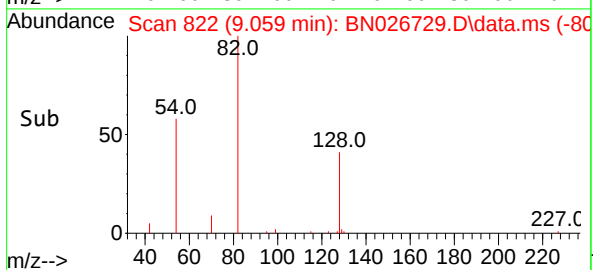
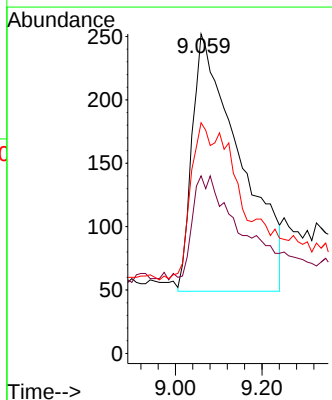
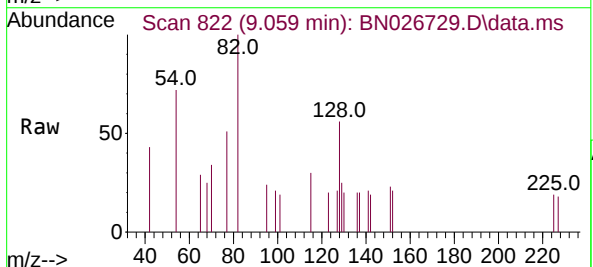
Manual Integrations  
APPROVED

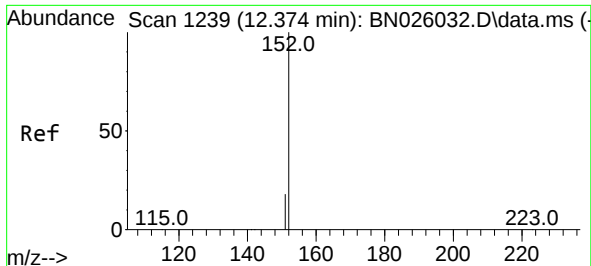
Reviewed By :Yogesh Patel 07/25/2023  
Supervised By :mohammad ahmed 07/25/2023



#8  
Nitrobenzene-d5  
Concen: 0.359 ng m  
RT: 9.059 min Scan# 822  
Delta R.T. 0.022 min  
Lab File: BN026729.D  
Acq: 25 Jul 2023 01:49

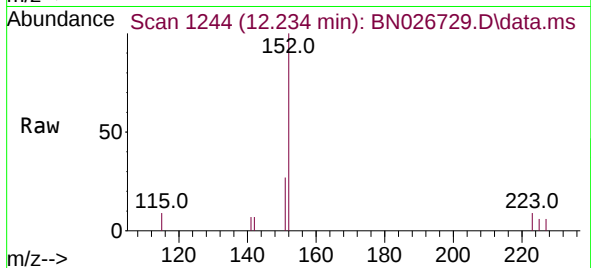
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 55.6  | 33.4  | 50.2# |
| 54      | 72.2  | 41.7  | 62.5# |





#11  
2-Methylnaphthalene-d10  
Concen: 0.325 ng  
RT: 12.234 min Scan# 11  
Delta R.T. 0.004 min  
Lab File: BN026729.D  
Acq: 25 Jul 2023 01:49

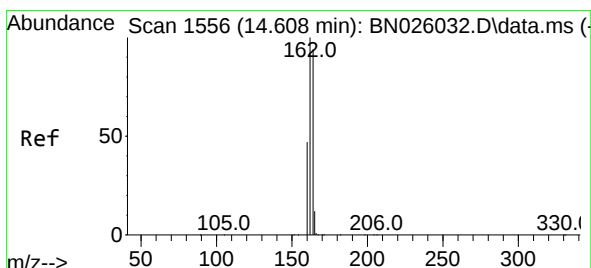
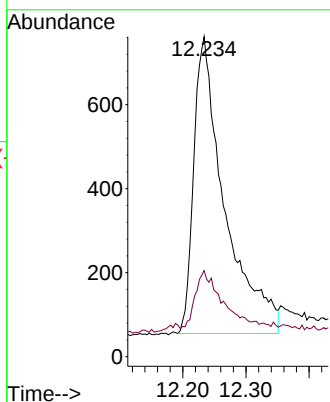
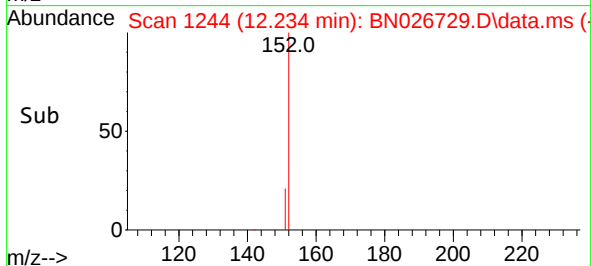
Instrument :  
BNA\_N  
ClientSampleId :  
SP-100-20230713



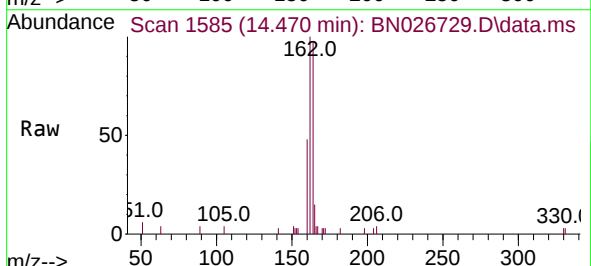
Tgt Ion:152 Resp: 2408  
Ion Ratio Lower Upper  
152 100  
151 18.5 16.2 24.2

Manual Integrations  
APPROVED

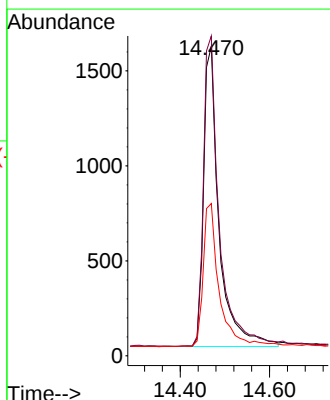
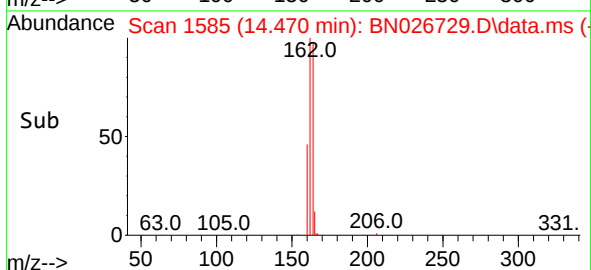
Reviewed By :Yogesh Patel 07/25/2023  
Supervised By :mohammad ahmed 07/25/2023

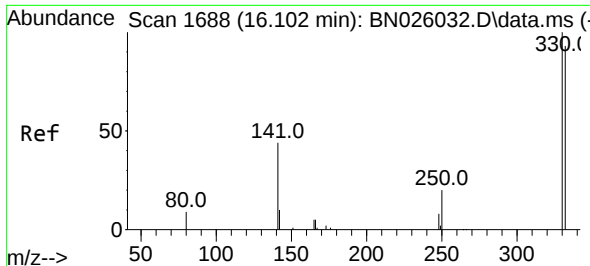


#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.470 min Scan# 1585  
Delta R.T. 0.011 min  
Lab File: BN026729.D  
Acq: 25 Jul 2023 01:49



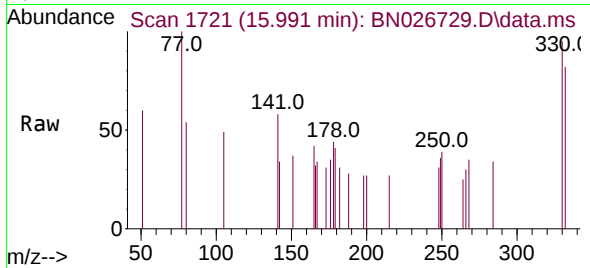
Tgt Ion:164 Resp: 3787  
Ion Ratio Lower Upper  
164 100  
162 103.3 85.3 127.9  
160 49.2 40.0 60.0





#14  
2,4,6-Tribromophenol  
Concen: 0.279 ng  
RT: 15.991 min Scan# 11  
Delta R.T. 0.013 min  
Lab File: BN026729.D  
Acq: 25 Jul 2023 01:49

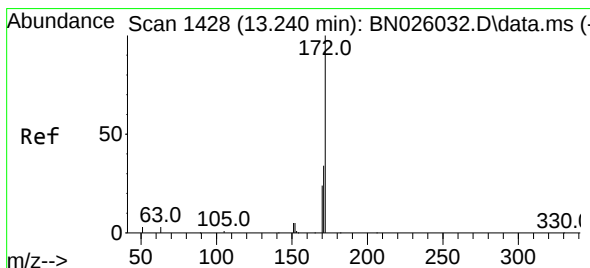
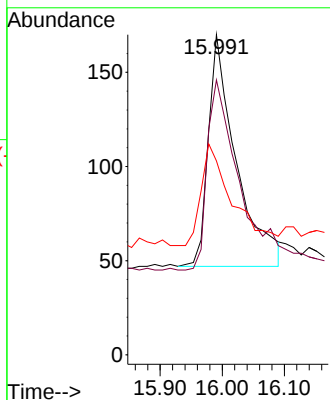
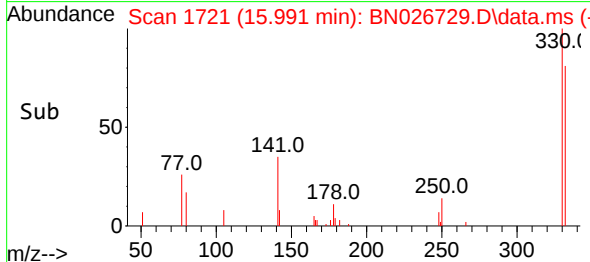
Instrument :  
BNA\_N  
ClientSampleId :  
SP-100-20230713



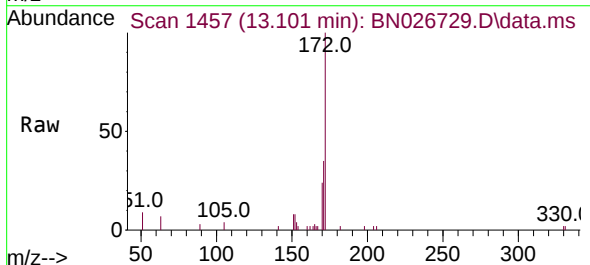
Tgt Ion: 330 Resp: 384  
Ion Ratio Lower Upper  
330 100  
332 93.8 76.0 114.0  
141 49.2 42.8 64.2

Manual Integrations  
APPROVED

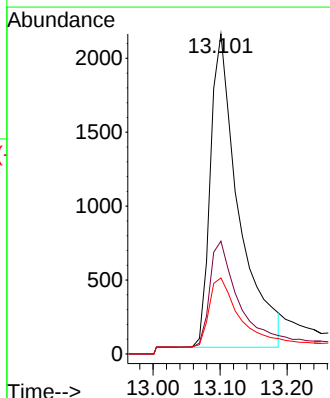
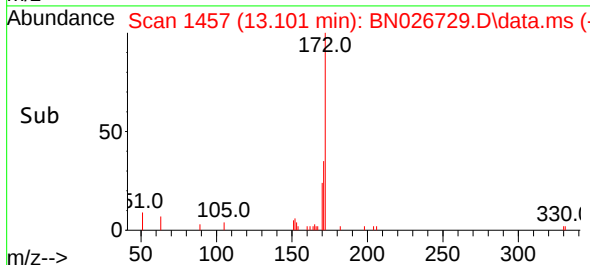
Reviewed By :Yogesh Patel 07/25/2023  
Supervised By :mohammad ahmed 07/25/2023

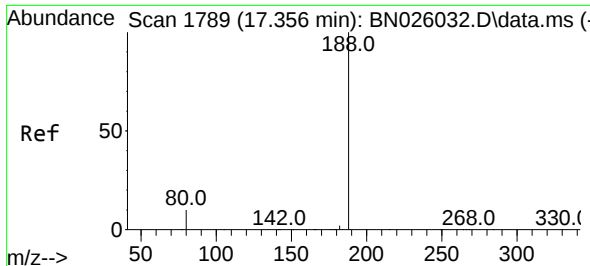


#15  
2-Fluorobiphenyl  
Concen: 0.425 ng  
RT: 13.101 min Scan# 1457  
Delta R.T. 0.000 min  
Lab File: BN026729.D  
Acq: 25 Jul 2023 01:49



Tgt Ion: 172 Resp: 6215  
Ion Ratio Lower Upper  
172 100  
171 35.2 27.8 41.8  
170 23.7 19.3 28.9





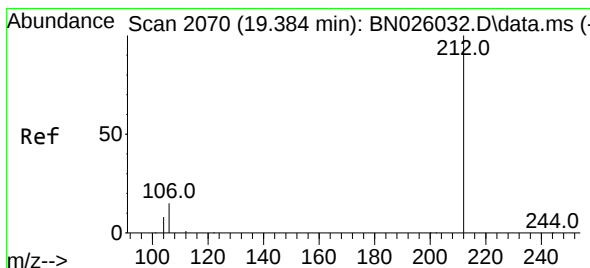
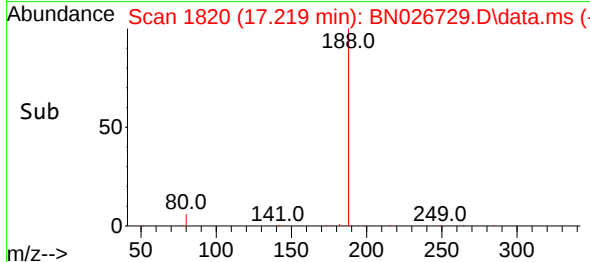
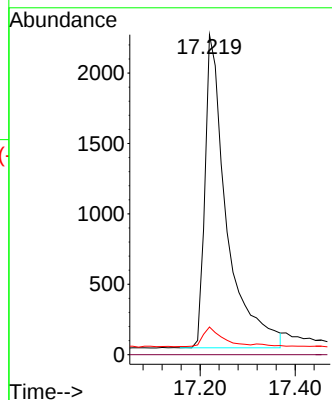
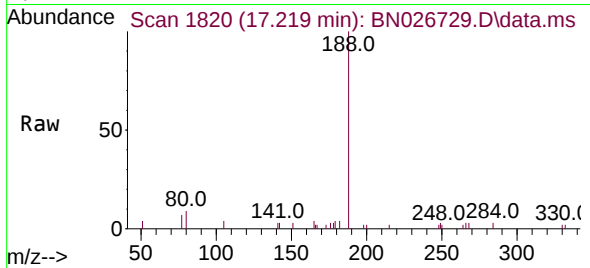
#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.219 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BN026729.D  
Acq: 25 Jul 2023 01:49

Instrument :  
BNA\_N  
ClientSampleId :  
SP-100-20230713

Tgt Ion:188 Resp: 7049  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 8.7 8.6 13.0

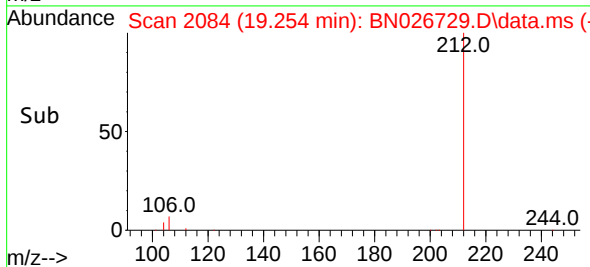
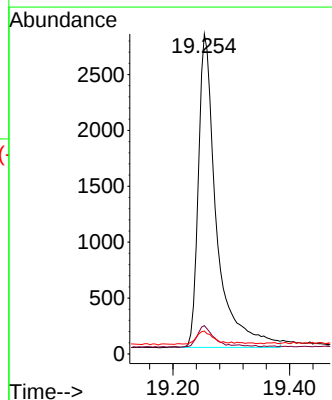
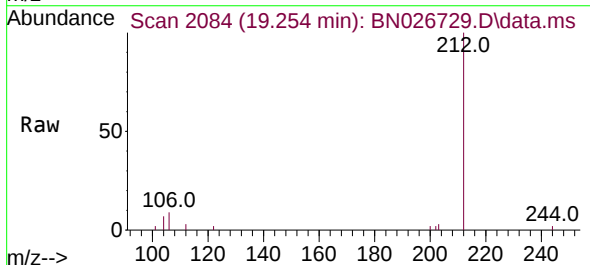
Manual Integrations  
APPROVED

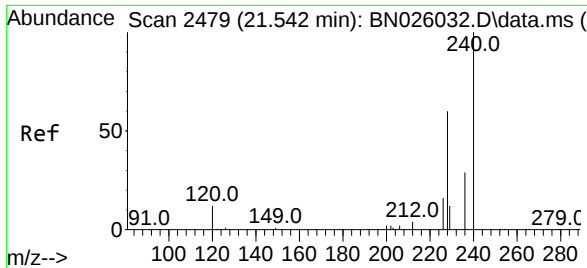
Reviewed By :Yogesh Patel 07/25/2023  
Supervised By :mohammad ahmed 07/25/2023



#27  
Fluoranthene-d10  
Concen: 0.406 ng  
RT: 19.254 min Scan# 2084  
Delta R.T. 0.005 min  
Lab File: BN026729.D  
Acq: 25 Jul 2023 01:49

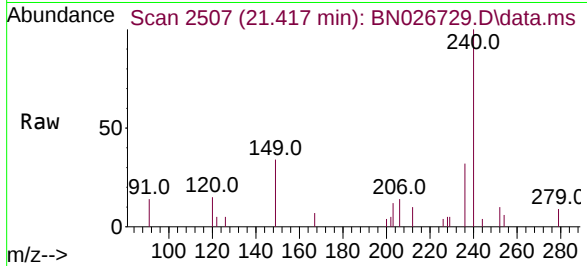
Tgt Ion:212 Resp: 6066  
Ion Ratio Lower Upper  
212 100  
106 6.0 11.6 17.4#  
104 3.7 7.2 10.8#





#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.417 min Scan# 2111  
Delta R.T. 0.009 min  
Lab File: BN026729.D  
Acq: 25 Jul 2023 01:49

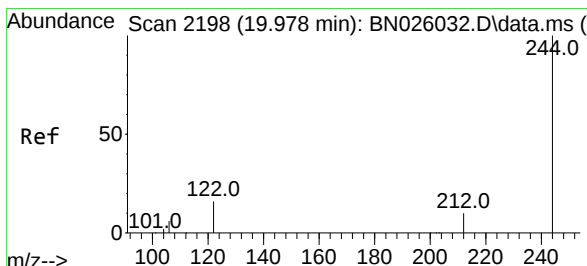
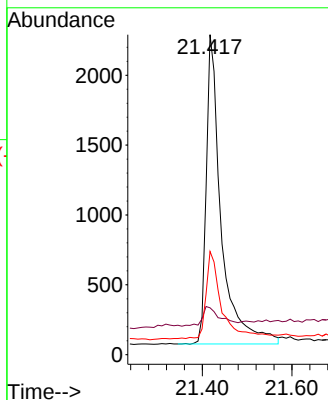
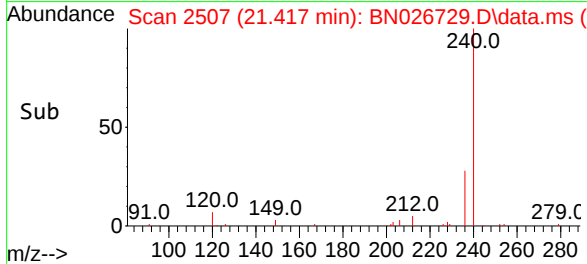
Instrument :  
BNA\_N  
ClientSampleId :  
SP-100-20230713



Tgt Ion:240 Resp: 514  
Ion Ratio Lower Upper  
240 100  
120 14.7 14.6 22.0  
236 32.3 24.2 36.2

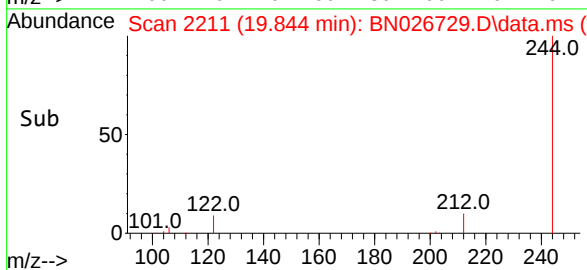
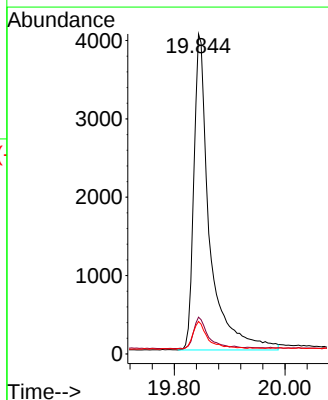
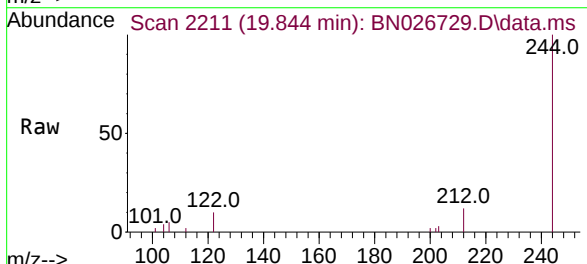
Manual Integrations  
APPROVED

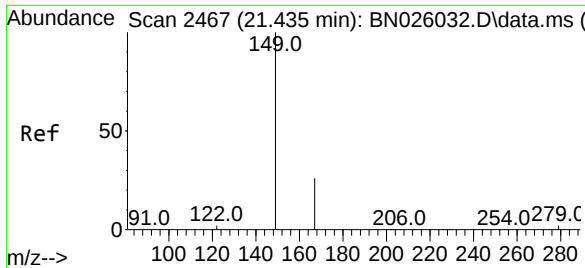
Reviewed By :Yogesh Patel 07/25/2023  
Supervised By :mohammad ahmed 07/25/2023



#31  
Terphenyl-d14  
Concen: 0.608 ng  
RT: 19.844 min Scan# 2211  
Delta R.T. -0.004 min  
Lab File: BN026729.D  
Acq: 25 Jul 2023 01:49

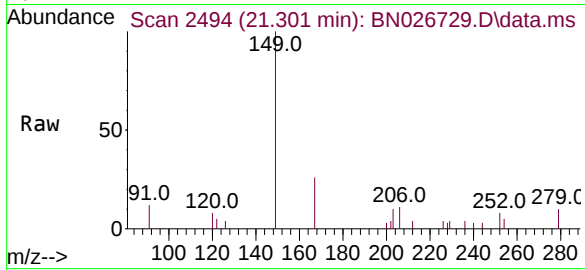
Tgt Ion:244 Resp: 8003  
Ion Ratio Lower Upper  
244 100  
212 11.5 8.7 13.1  
122 10.2 13.7 20.5#





#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.141 ng  
RT: 21.301 min Scan# 2467  
Delta R.T. 0.000 min  
Lab File: BN026729.D  
Acq: 25 Jul 2023 01:49

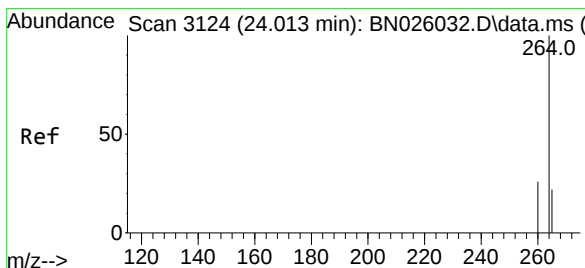
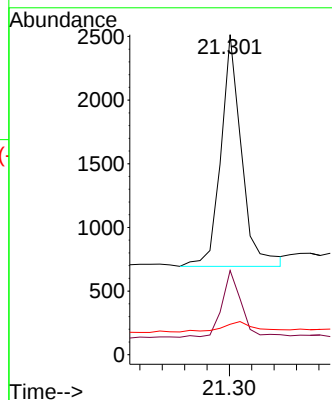
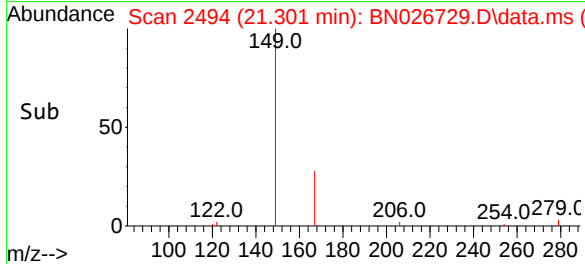
Instrument :  
BNA\_N  
ClientSampleId :  
SP-100-20230713



Tgt Ion:149 Resp: 2330  
Ion Ratio Lower Upper  
149 100  
167 28.0 20.2 30.4  
279 8.9 2.4 3.6

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 07/25/2023  
Supervised By :mohammad ahmed 07/25/2023



#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.788 min Scan# 3089  
Delta R.T. 0.006 min  
Lab File: BN026729.D  
Acq: 25 Jul 2023 01:49

Tgt Ion:264 Resp: 6465  
Ion Ratio Lower Upper  
264 100  
260 28.4 21.9 32.9  
265 99.7 80.3 120.5

