

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF082324\  
 Data File : BF139155.D  
 Acq On : 23 Aug 2024 19:15  
 Operator : RC/JU  
 Sample : P3707-05  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S-913-K1-SO-0-0.5-082024

Quant Time: Aug 23 23:21:55 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF082024.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 21 01:25:05 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/24/2024  
 Supervised By :mohammad ahmed 08/24/2024

| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.898  | 152  | 86296    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.181  | 136  | 313872   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.933  | 164  | 166811   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.416 | 188  | 237415   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12            | 14.051 | 240  | 166148   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12            | 15.533 | 264  | 186913   | 20.000 | ng    | 0.00     |
|                             |        |      |          |        |       |          |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.516  | 112  | 465582   | 83.006 | ng    | 0.00     |
| 7) Phenol-d6                | 6.516  | 99   | 611498   | 84.373 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.457  | 82   | 408073   | 75.758 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.716 | 330  | 129472   | 85.736 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.251  | 172  | 660741   | 62.846 | ng    | 0.00     |
| 79) Terphenyl-d14           | 13.004 | 244  | 472560   | 47.194 | ng    | 0.00     |
|                             |        |      |          |        |       |          |
| Target Compounds            |        |      |          |        |       | Qvalue   |
| 75) Fluoranthene            | 12.627 | 202  | 30013    | 2.330  | ng    | 99       |
| 88) Benzo(b)fluoranthene    | 15.098 | 252  | 26997m   | 2.215  | ng    |          |
| 92) Benzo(g,h,i)perylene    | 17.451 | 276  | 8294     | 3.556  | ng    | 97       |
| -----                       |        |      |          |        |       |          |

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

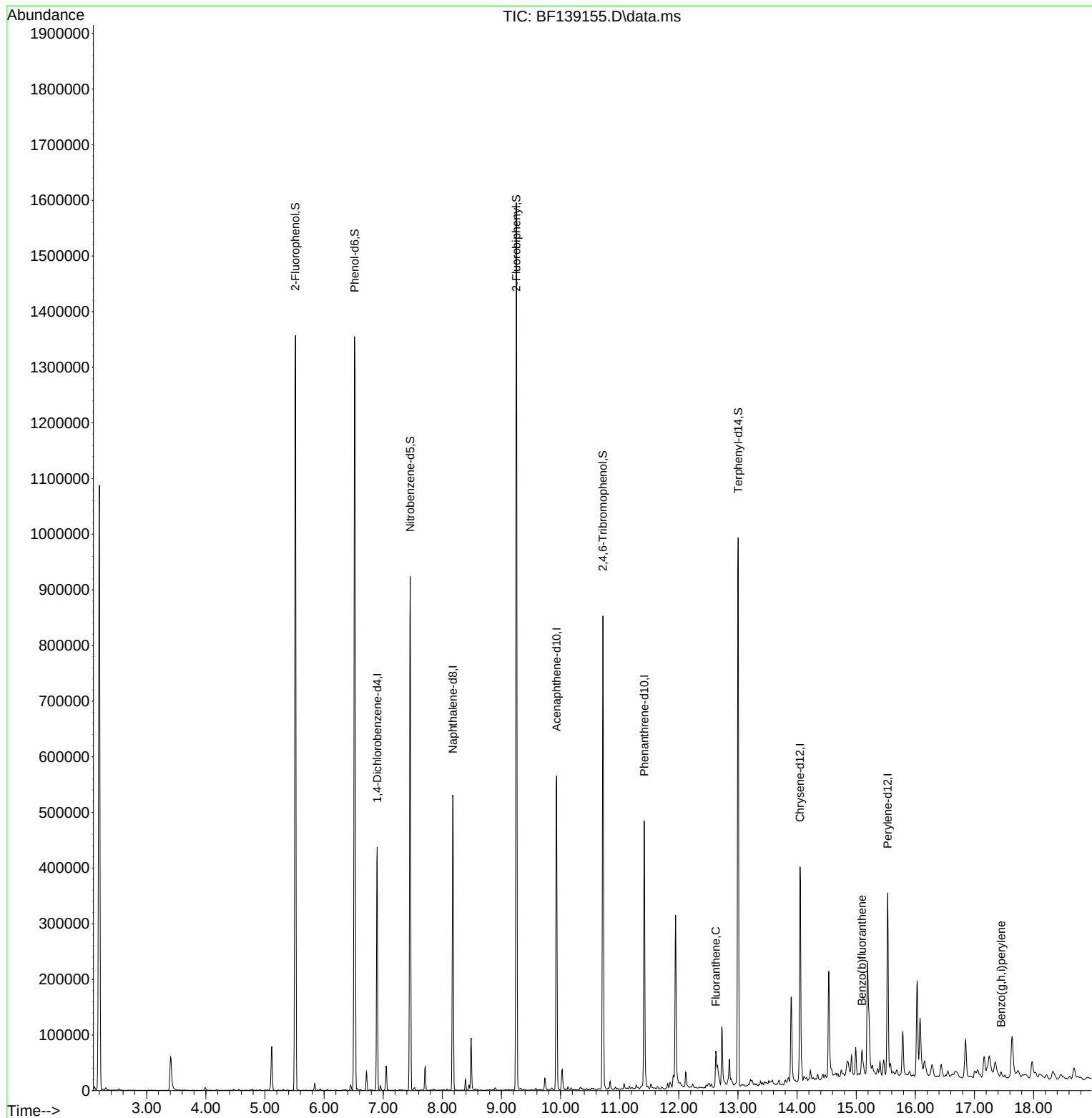
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF082324\  
Data File : BF139155.D  
Acq On : 23 Aug 2024 19:15  
Operator : RC/JU  
Sample : P3707-05  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

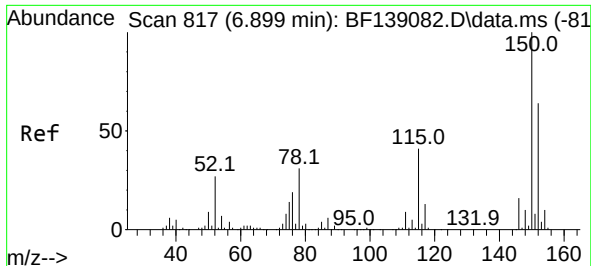
Instrument :  
BNA\_F  
ClientSampleId :  
S-913-K1-SO-0-0.5-082024

Quant Time: Aug 23 23:21:55 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF082024.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 21 01:25:05 2024  
Response via : Initial Calibration

Manual Integrations  
APPROVED

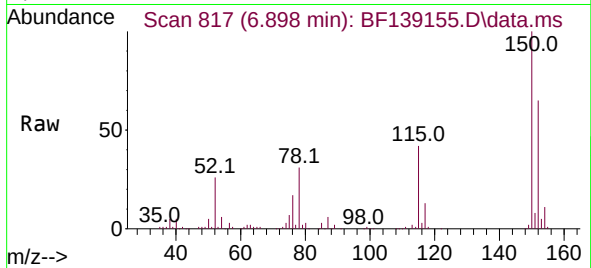
Reviewed By :Yogesh Patel 08/24/2024  
Supervised By :mohammad ahmed 08/24/2024





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.898 min Scan# 817  
Delta R.T. -0.001 min  
Lab File: BF139155.D  
Acq: 23 Aug 2024 19:15

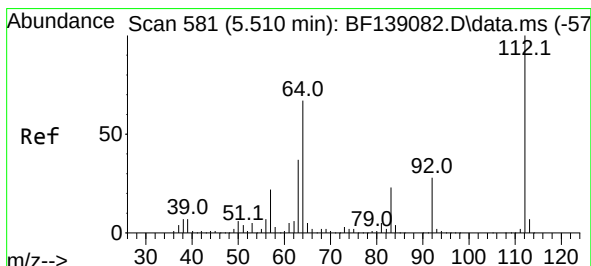
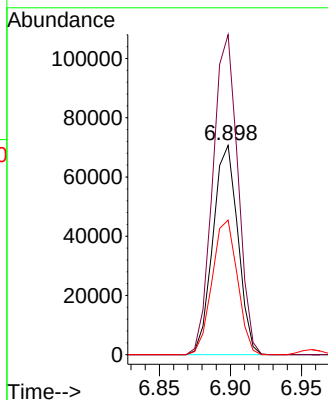
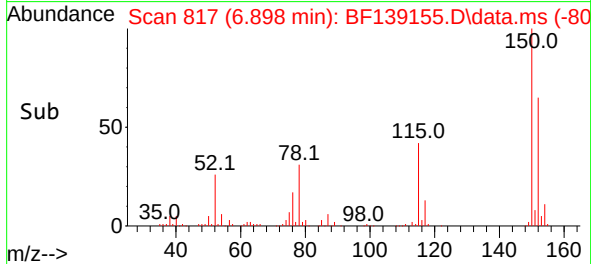
Instrument :  
BNA\_F  
ClientSampleId :  
S-913-K1-SO-0-0.5-082024



Tgt Ion:152 Resp: 86290  
Ion Ratio Lower Upper  
152 100  
150 152.9 125.1 187.7  
115 64.3 51.8 77.6

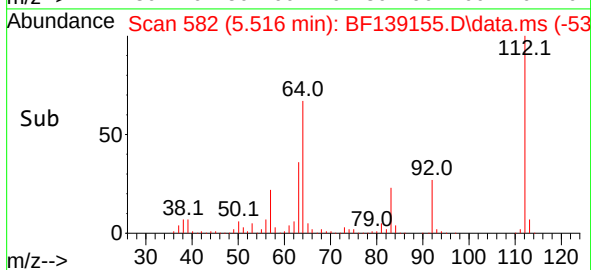
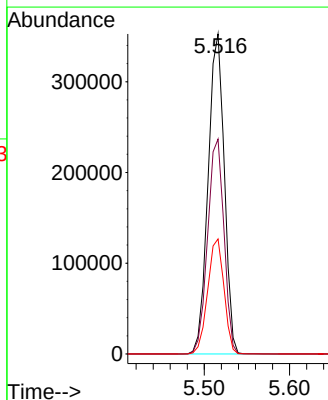
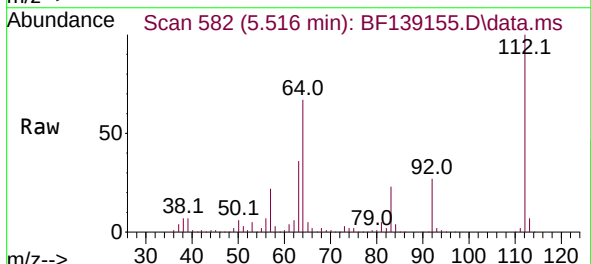
Manual Integrations  
APPROVED

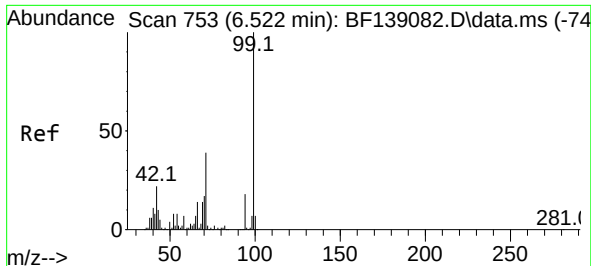
Reviewed By :Yogesh Patel 08/24/2024  
Supervised By :mohammad ahmed 08/24/2024



#5  
2-Fluorophenol  
Concen: 83.006 ng  
RT: 5.516 min Scan# 582  
Delta R.T. 0.006 min  
Lab File: BF139155.D  
Acq: 23 Aug 2024 19:15

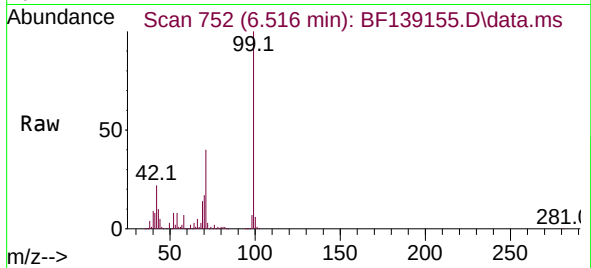
Tgt Ion:112 Resp: 465582  
Ion Ratio Lower Upper  
112 100  
64 67.1 53.8 80.6  
63 36.0 29.4 44.2





#7  
Phenol-d6  
Concen: 84.373 ng  
RT: 6.516 min Scan# 70  
Delta R.T. -0.006 min  
Lab File: BF139155.D  
Acq: 23 Aug 2024 19:15

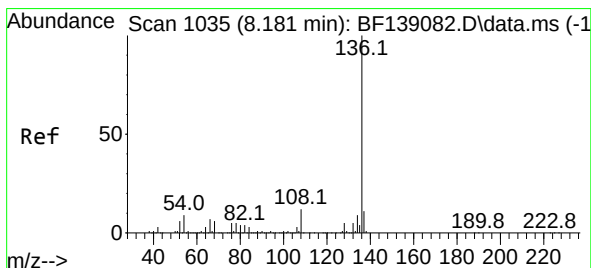
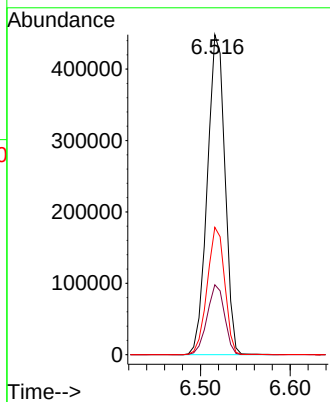
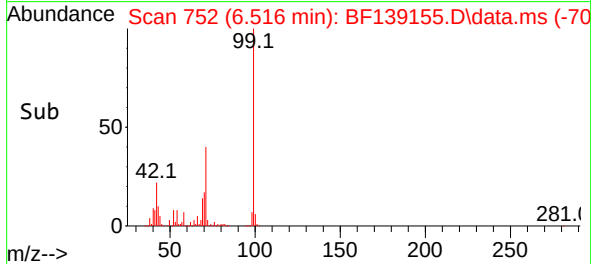
Instrument :  
BNA\_F  
ClientSampleId :  
S-913-K1-SO-0-0.5-082024



Tgt Ion: 99 Resp: 611498  
Ion Ratio Lower Upper  
99 100  
42 21.8 17.4 26.2  
71 39.8 31.2 46.8

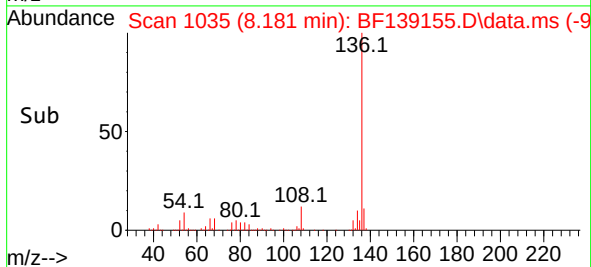
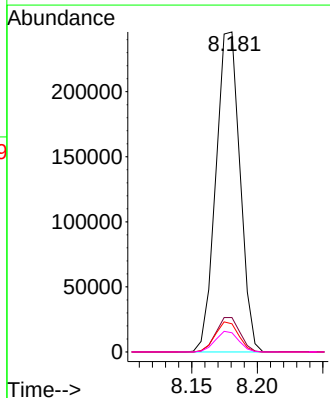
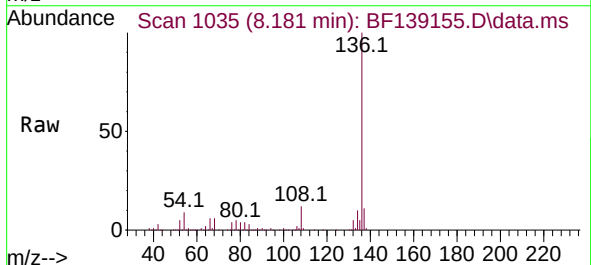
Manual Integrations  
APPROVED

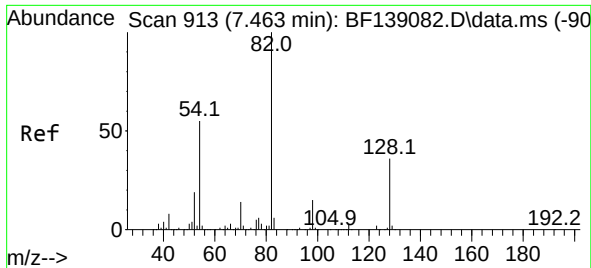
Reviewed By :Yogesh Patel 08/24/2024  
Supervised By :mohammad ahmed 08/24/2024



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.181 min Scan# 1035  
Delta R.T. -0.000 min  
Lab File: BF139155.D  
Acq: 23 Aug 2024 19:15

Tgt Ion:136 Resp: 313872  
Ion Ratio Lower Upper  
136 100  
137 10.7 8.7 13.1  
54 8.8 7.6 11.4  
68 6.0 5.1 7.7





#23

Nitrobenzene-d5

Concen: 75.758 ng

RT: 7.457 min Scan# 913

Delta R.T. -0.006 min

Lab File: BF139155.D

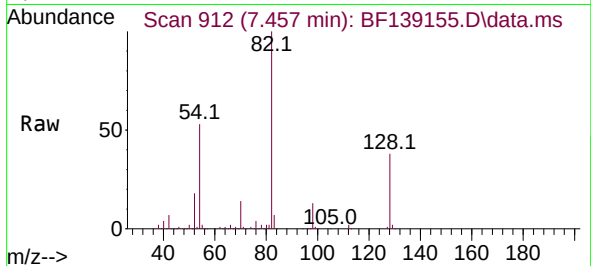
Acq: 23 Aug 2024 19:15

Instrument :

BNA\_F

ClientSampleId :

S-913-K1-SO-0-0.5-082024



Tgt Ion: 82 Resp: 40807

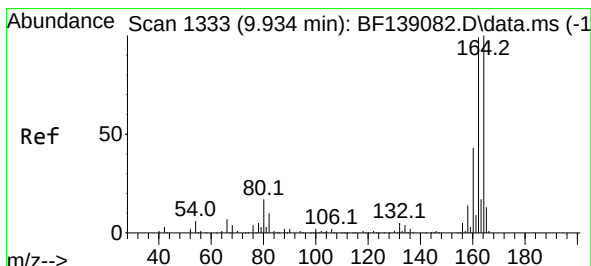
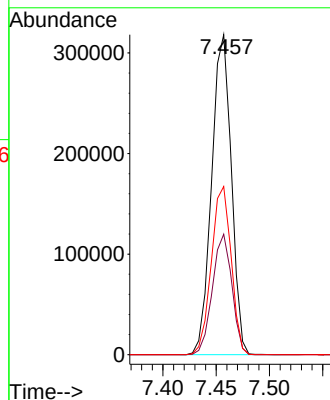
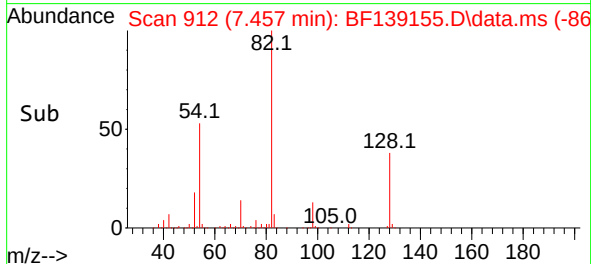
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 37.6  | 29.0  | 43.4  |
| 54  | 52.6  | 43.4  | 65.2  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/24/2024

Supervised By :mohammad ahmed 08/24/2024



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.933 min Scan# 1333

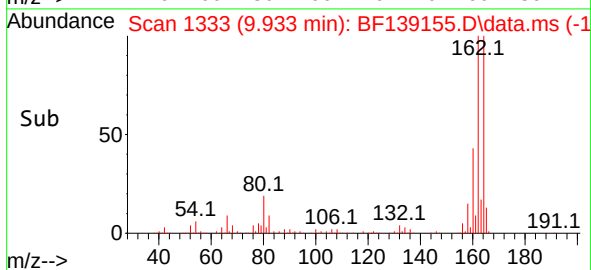
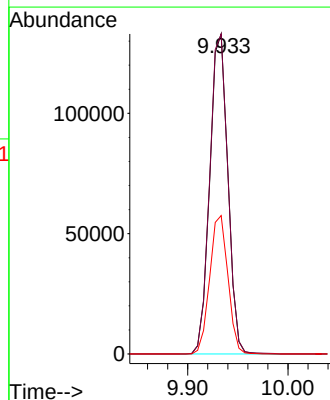
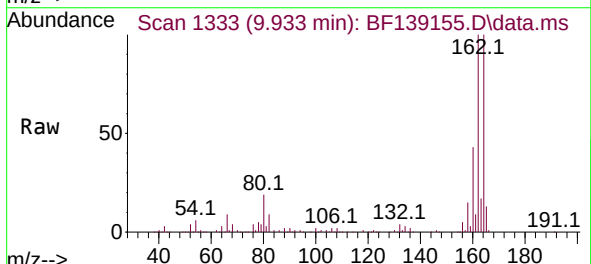
Delta R.T. -0.001 min

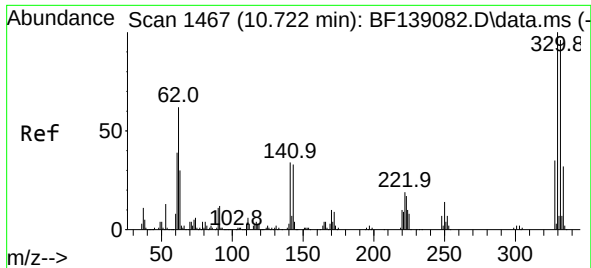
Lab File: BF139155.D

Acq: 23 Aug 2024 19:15

Tgt Ion:164 Resp: 166811

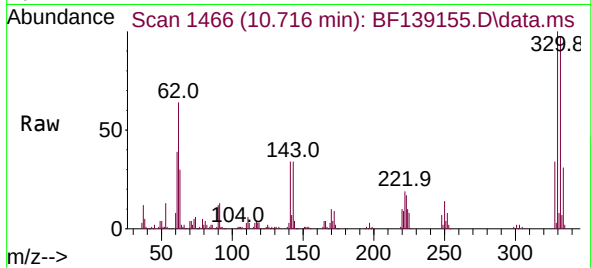
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 100.0 | 79.5  | 119.3 |
| 160 | 43.2  | 34.5  | 51.7  |





#42  
2,4,6-Tribromophenol  
Concen: 85.736 ng  
RT: 10.716 min Scan# 1466  
Delta R.T. -0.006 min  
Lab File: BF139155.D  
Acq: 23 Aug 2024 19:15

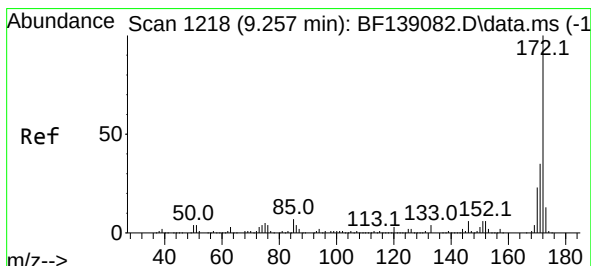
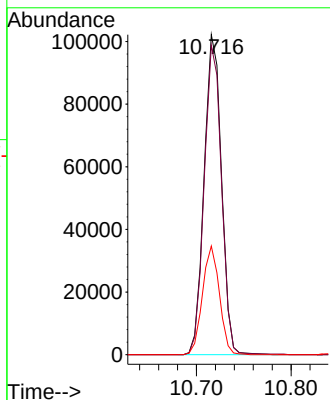
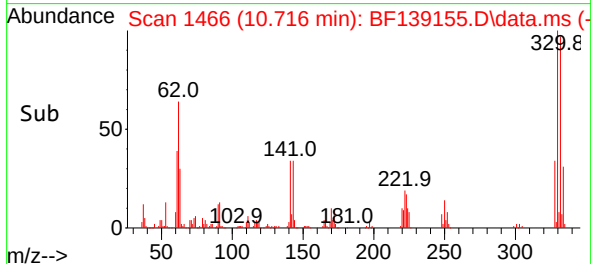
Instrument : BNA\_F  
ClientSampleId : S-913-K1-SO-0-0.5-082024



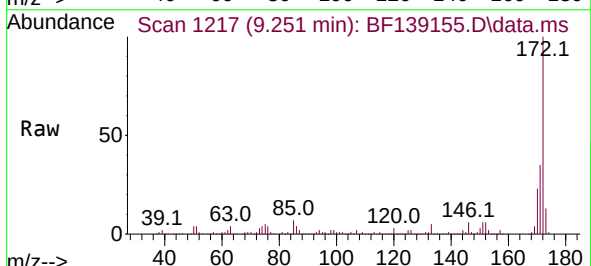
Tgt Ion: 330 Resp: 129472  
Ion Ratio Lower Upper  
330 100  
332 96.6 77.0 115.6  
141 33.1 27.5 41.3

Manual Integrations  
APPROVED

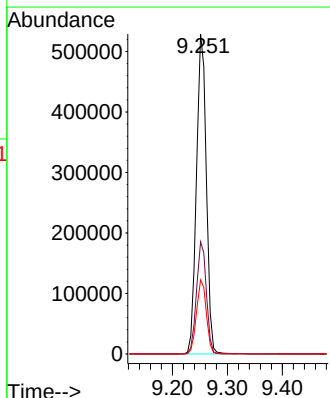
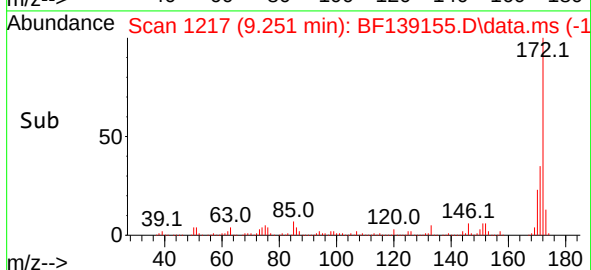
Reviewed By :Yogesh Patel 08/24/2024  
Supervised By :mohammad ahmed 08/24/2024

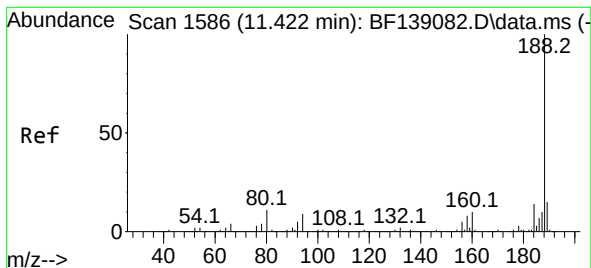


#45  
2-Fluorobiphenyl  
Concen: 62.846 ng  
RT: 9.251 min Scan# 1217  
Delta R.T. -0.006 min  
Lab File: BF139155.D  
Acq: 23 Aug 2024 19:15



Tgt Ion: 172 Resp: 660741  
Ion Ratio Lower Upper  
172 100  
171 35.1 28.4 42.6  
170 23.2 18.8 28.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.416 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139155.D

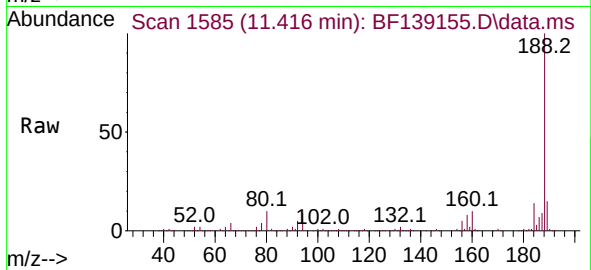
Acq: 23 Aug 2024 19:15

Instrument :

BNA\_F

ClientSampleId :

S-913-K1-SO-0-0.5-082024



Tgt Ion:188 Resp: 23741

Ion Ratio Lower Upper

188 100

94 9.2 7.2 10.8

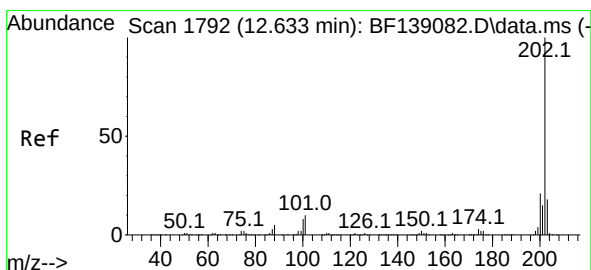
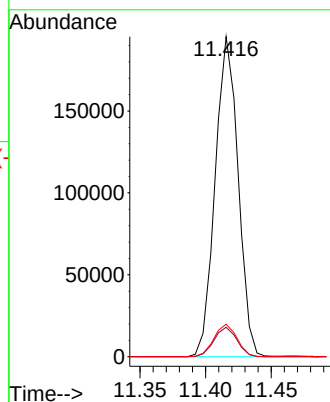
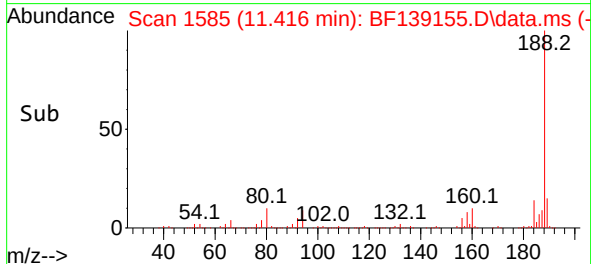
80 10.2 8.5 12.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/24/2024

Supervised By :mohammad ahmed 08/24/2024



#75

Fluoranthene

Concen: 2.330 ng

RT: 12.627 min Scan# 1791

Delta R.T. -0.006 min

Lab File: BF139155.D

Acq: 23 Aug 2024 19:15

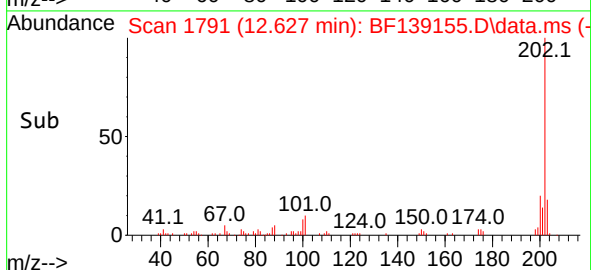
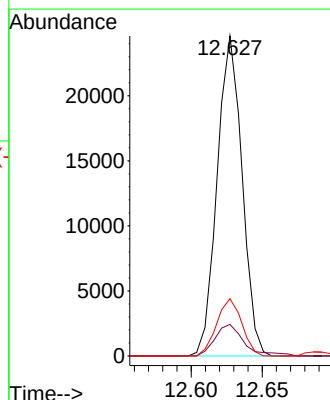
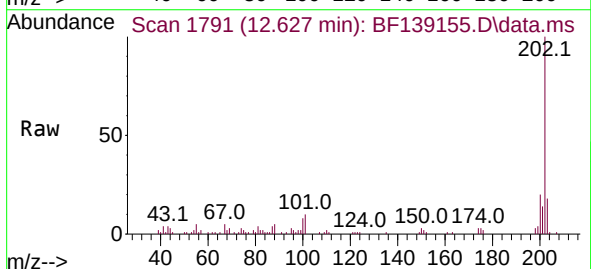
Tgt Ion:202 Resp: 30013

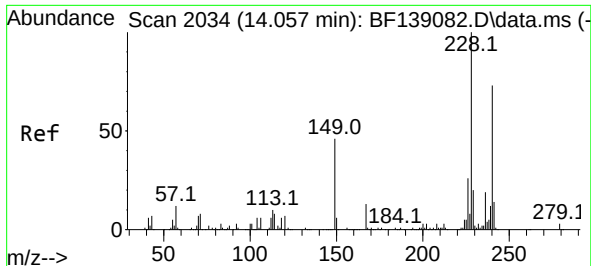
Ion Ratio Lower Upper

202 100

101 9.9 0.0 30.2

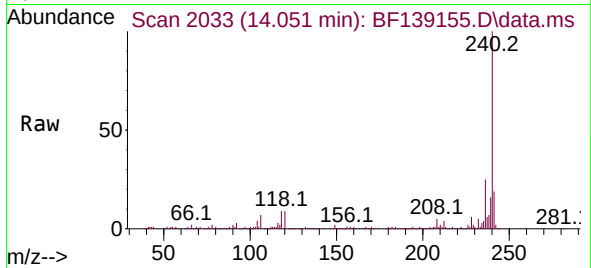
203 17.9 0.0 37.6





#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.051 min Scan# 2034  
Delta R.T. -0.006 min  
Lab File: BF139155.D  
Acq: 23 Aug 2024 19:15

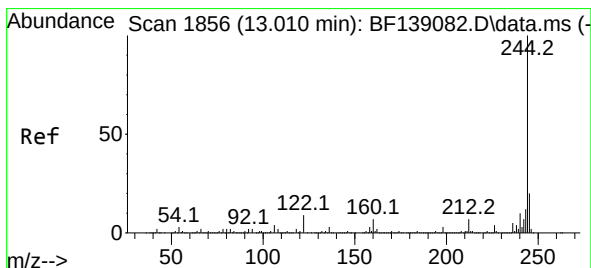
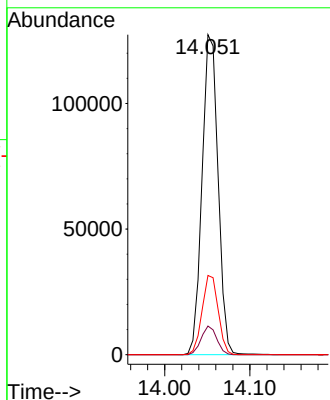
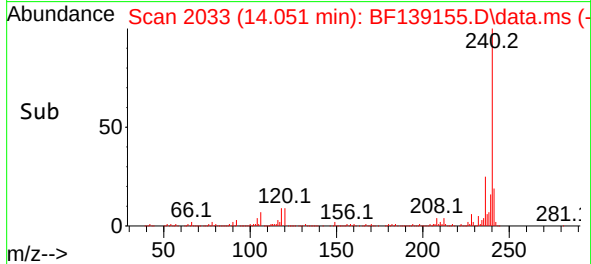
Instrument :  
BNA\_F  
ClientSampleId :  
S-913-K1-SO-0-0.5-082024



Tgt Ion:240 Resp: 166148  
Ion Ratio Lower Upper  
240 100  
120 9.0 7.8 11.6  
236 24.8 20.9 31.3

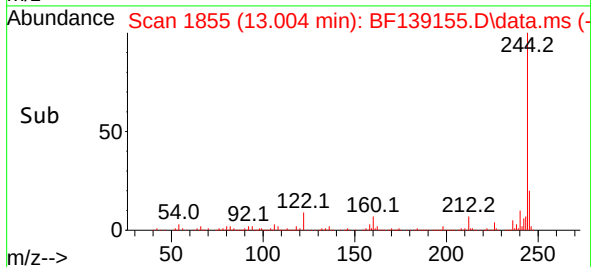
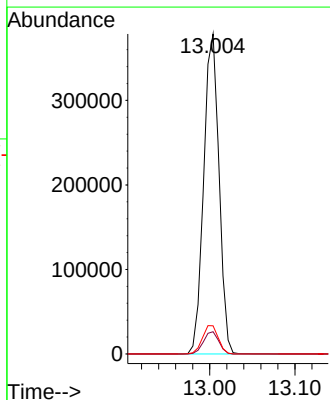
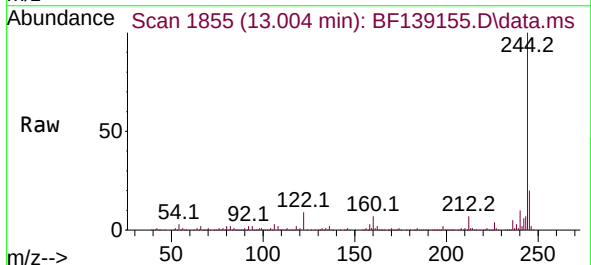
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/24/2024  
Supervised By :mohammad ahmed 08/24/2024

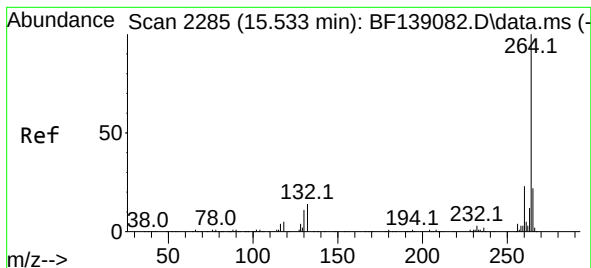


#79  
Terphenyl-d14  
Concen: 47.194 ng  
RT: 13.004 min Scan# 1855  
Delta R.T. -0.006 min  
Lab File: BF139155.D  
Acq: 23 Aug 2024 19:15

Tgt Ion:244 Resp: 472560  
Ion Ratio Lower Upper  
244 100  
212 7.0 5.8 8.6  
122 8.8 7.6 11.4







#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF139155.D

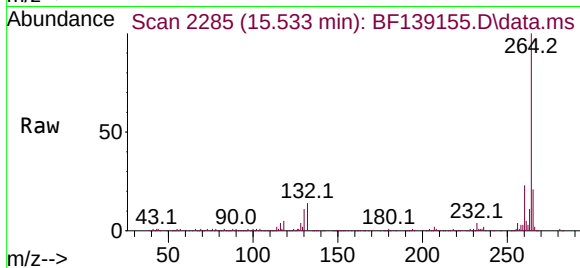
Acq: 23 Aug 2024 19:15

Instrument :

BNA\_F

ClientSampleId :

S-913-K1-SO-0-0.5-082024



Tgt Ion:264 Resp: 18691

Ion Ratio Lower Upper

264 100

260 22.9 18.6 27.8

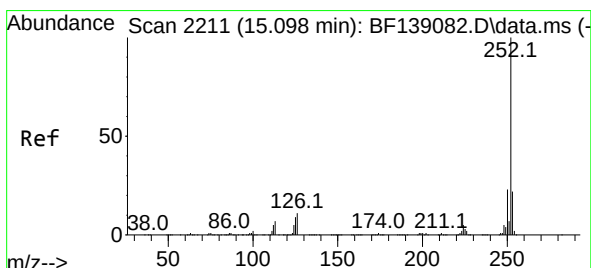
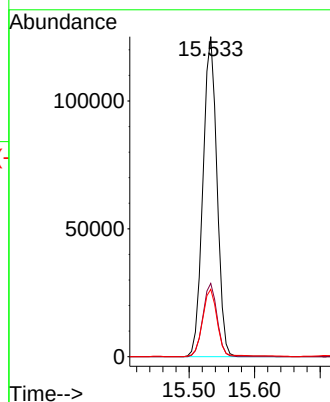
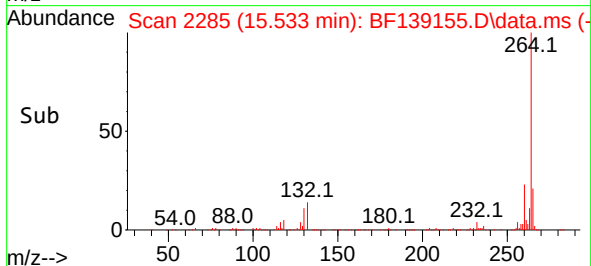
265 21.0 17.4 26.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/24/2024

Supervised By :mohammad ahmed 08/24/2024



#88

Benzo(b)fluoranthene

Concen: 2.215 ng m

RT: 15.098 min Scan# 2211

Delta R.T. -0.000 min

Lab File: BF139155.D

Acq: 23 Aug 2024 19:15

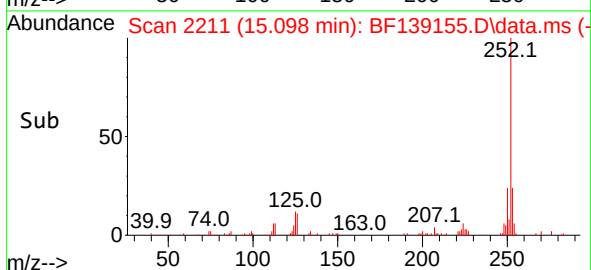
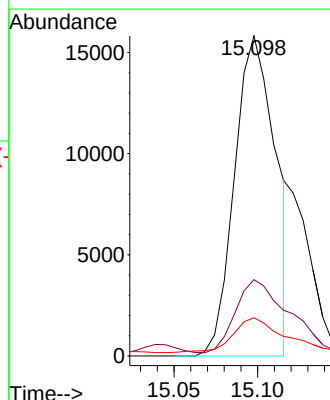
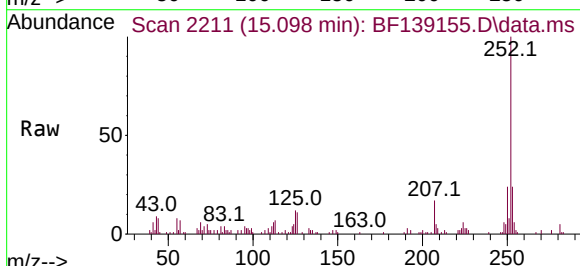
Tgt Ion:252 Resp: 26997

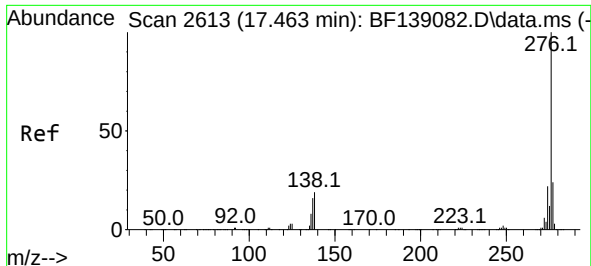
Ion Ratio Lower Upper

252 100

253 23.8 17.4 26.2

125 12.0 7.0 10.6#





#92

Benzo(g,h,i)perylene

Concen: 3.556 ng

RT: 17.451 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF139155.D

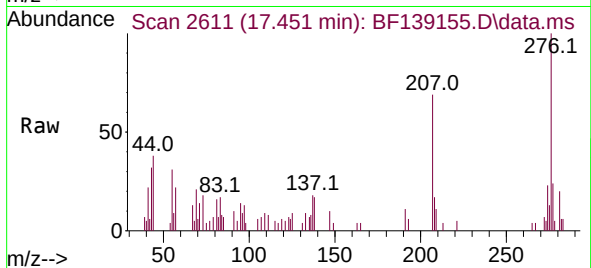
Acq: 23 Aug 2024 19:15

Instrument :

BNA\_F

ClientSampleId :

S-913-K1-SO-0-0.5-082024



|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 276   | Resp: | 8294 |
| Ion Ratio | Lower | Upper |      |
| 276       | 100   |       |      |
| 277       | 24.3  | 18.8  | 28.2 |
| 138       | 17.0  | 15.0  | 22.4 |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/24/2024

Supervised By :mohammad ahmed 08/24/2024

