

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF121223\  
 Data File : BF136521.D  
 Acq On : 12 Dec 2023 17:53  
 Operator : CG\JU  
 Sample : 05692-01 5X  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EO-03-12072023

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 12/14/2023  
 Supervised By :mohammad ahmed 12/14/2023

Quant Time: Dec 12 18:11:52 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF120523.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 06 09:40:27 2023  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.792  | 152  | 80120    | 20.000 | ng    | -0.01    |
| 21) Naphthalene-d8          | 8.075  | 136  | 297730   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.828  | 164  | 138122   | 20.000 | ng    | -0.01    |
| 64) Phenanthrene-d10        | 11.322 | 188  | 218501   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12            | 13.974 | 240  | 187935   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12            | 15.457 | 264  | 179767   | 20.000 | ng    | 0.00     |
|                             |        |      |          |        |       |          |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.428  | 112  | 100004   | 18.433 | ng    | 0.00     |
| 7) Phenol-d6                | 6.434  | 99   | 116712   | 17.243 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.351  | 82   | 67214    | 12.204 | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 10.616 | 330  | 25008    | 14.684 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl        | 9.145  | 172  | 138176   | 13.650 | ng    | -0.02    |
| 79) Terphenyl-d14           | 12.910 | 244  | 125341   | 8.791  | ng    | -0.01    |
|                             |        |      |          |        |       |          |
| Target Compounds            |        |      |          |        |       | Qvalue   |
| 75) Fluoranthene            | 12.539 | 202  | 33977    | 2.700  | ng    | 94       |
| 78) Pyrene                  | 12.769 | 202  | 38790    | 2.108  | ng    | 100      |
| 88) Benzo(b)fluoranthene    | 15.015 | 252  | 25509m   | 2.075  | ng    |          |
| -----                       |        |      |          |        |       |          |

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

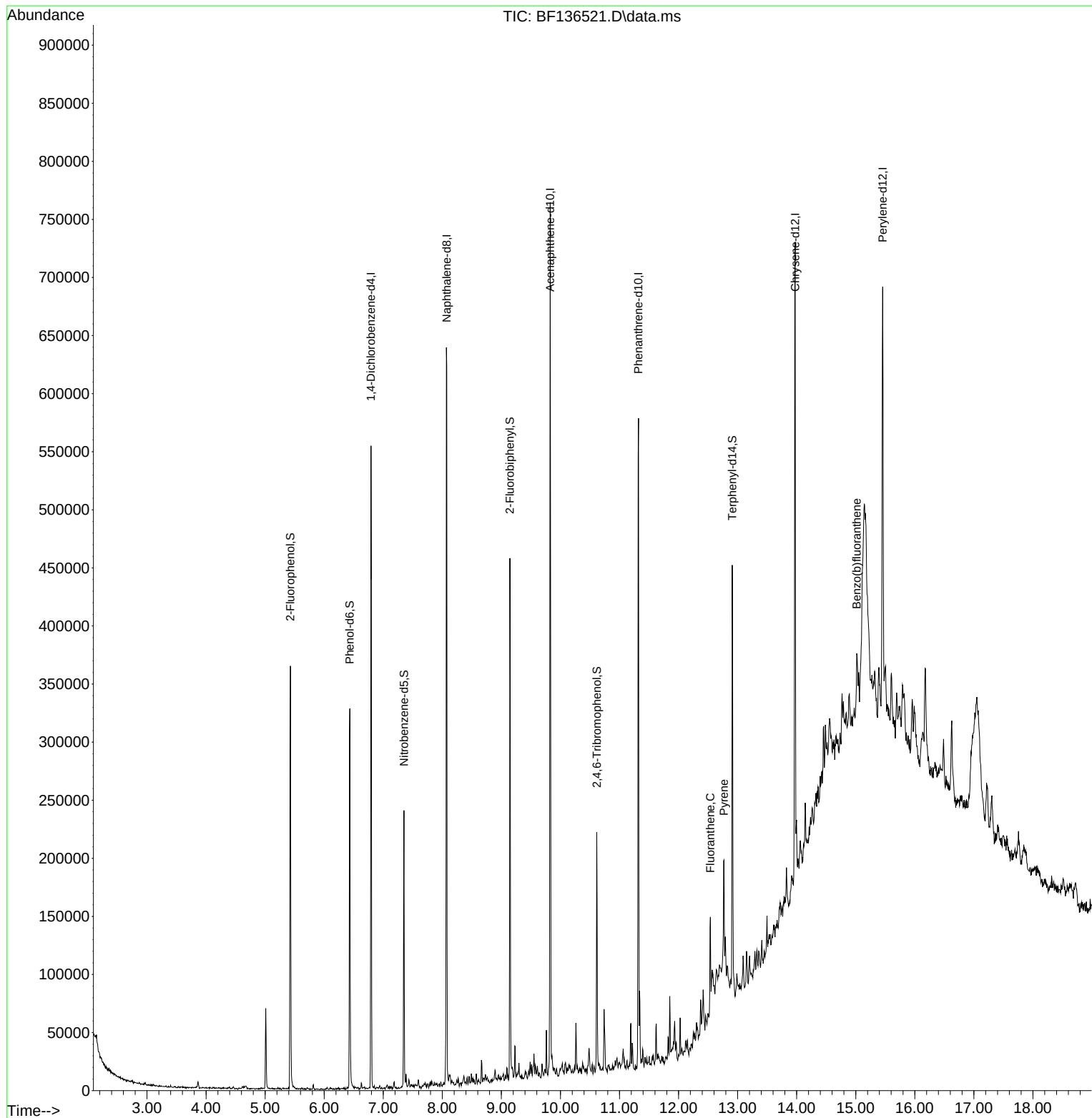
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF121223\  
Data File : BF136521.D  
Acq On : 12 Dec 2023 17:53  
Operator : CG\JU  
Sample : 05692-01 5X  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

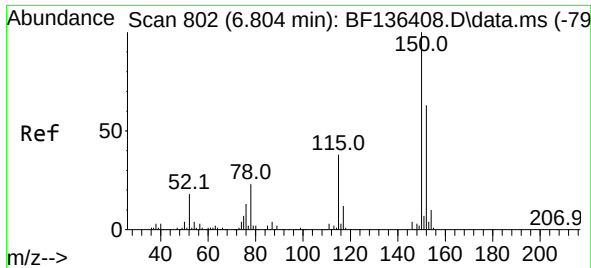
Instrument :  
BNA\_F  
ClientSampleId :  
EO-03-12072023

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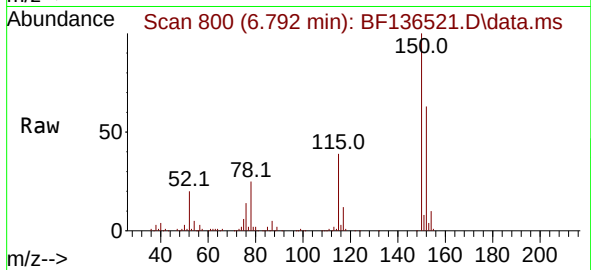
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF120523.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 06 09:40:27 2023  
Response via : Initial Calibration





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.792 min Scan# 802  
Delta R.T. -0.012 min  
Lab File: BF136521.D  
Acq: 12 Dec 2023 17:53

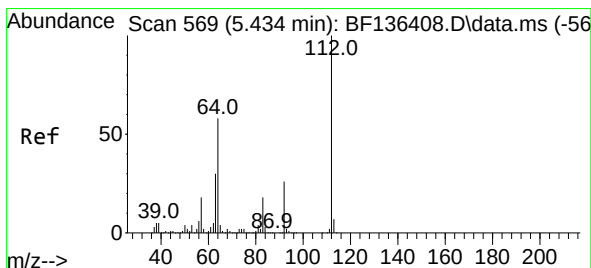
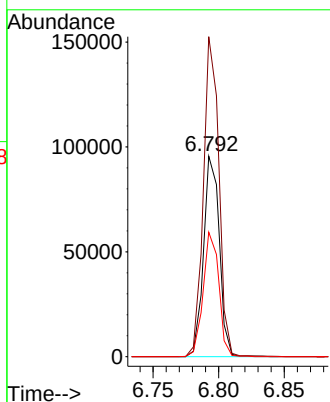
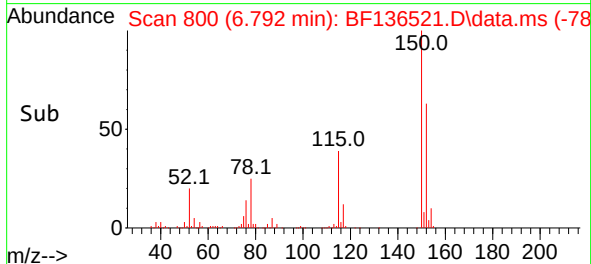
Instrument :  
BNA\_F  
ClientSampleId :  
EO-03-12072023



Tgt Ion:152 Resp: 80120  
Ion Ratio Lower Upper  
152 100  
150 159.6 126.4 189.6  
115 62.1 48.2 72.4

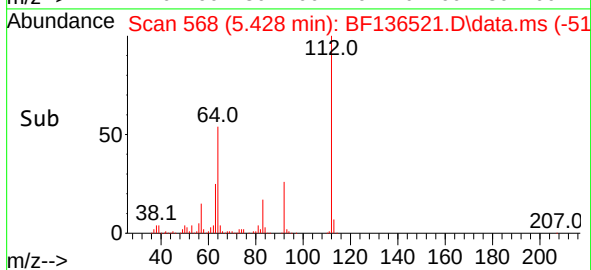
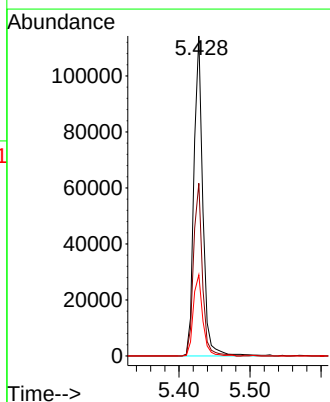
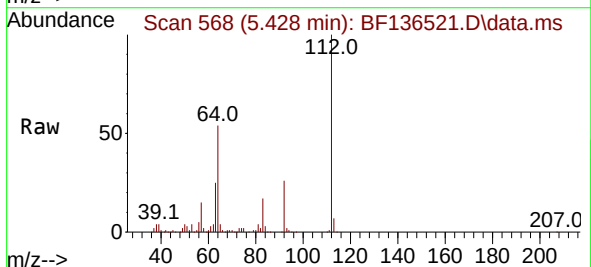
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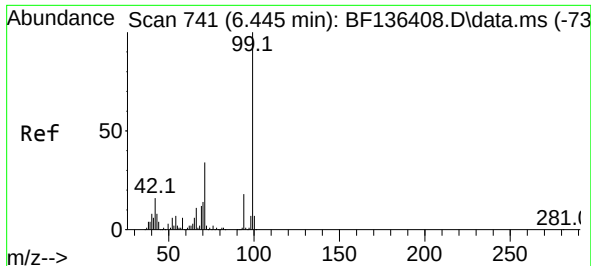
Reviewed By :Yogesh Patel 12/14/2023  
Supervised By :mohammad ahmed 12/14/2023



#5  
2-Fluorophenol  
Concen: 18.433 ng  
RT: 5.428 min Scan# 568  
Delta R.T. -0.006 min  
Lab File: BF136521.D  
Acq: 12 Dec 2023 17:53

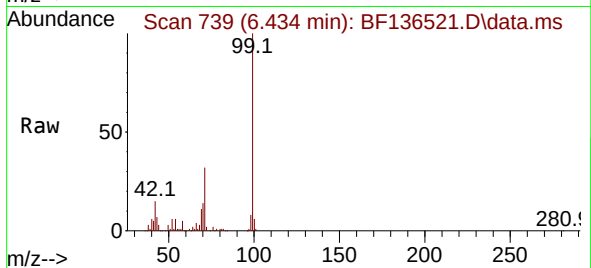
Tgt Ion:112 Resp: 100004  
Ion Ratio Lower Upper  
112 100  
64 54.0 46.5 69.7  
63 25.3 23.9 35.9





#7  
Phenol-d6  
Concen: 17.243 ng  
RT: 6.434 min Scan# 71  
Delta R.T. -0.012 min  
Lab File: BF136521.D  
Acq: 12 Dec 2023 17:53

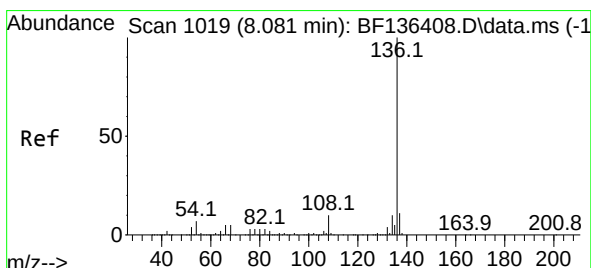
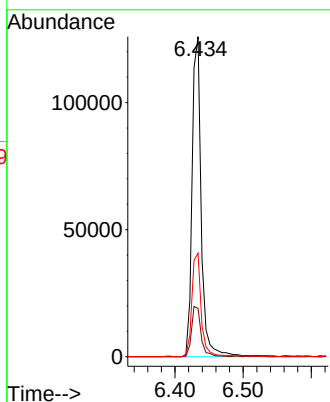
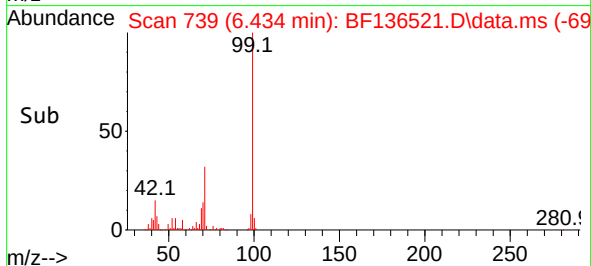
Instrument :  
BNA\_F  
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EO-03-12072023



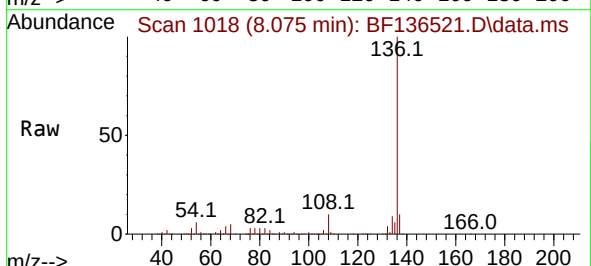
Tgt Ion: 99 Resp: 116712  
Ion Ratio Lower Upper  
99 100  
42 15.1 12.8 19.2  
71 32.4 27.0 40.4

Manual Integrations  
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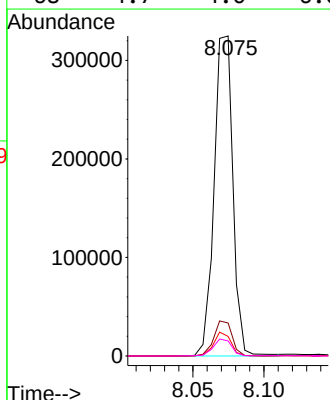
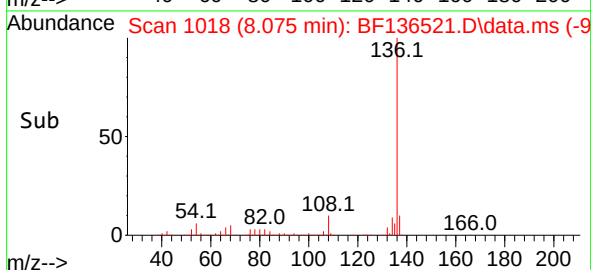
Reviewed By :Yogesh Patel 12/14/2023  
Supervised By :mohammad ahmed 12/14/2023

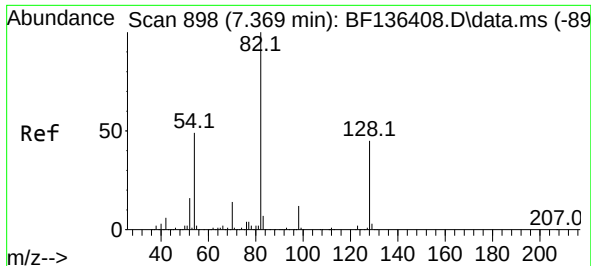


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.075 min Scan# 1018  
Delta R.T. -0.006 min  
Lab File: BF136521.D  
Acq: 12 Dec 2023 17:53



Tgt Ion:136 Resp: 297730  
Ion Ratio Lower Upper  
136 100  
137 10.3 8.6 12.8  
54 6.1 5.7 8.5  
68 4.7 4.0 6.0





#23

Nitrobenzene-d5

Concen: 12.204 ng

RT: 7.351 min Scan# 898

Delta R.T. -0.018 min

Lab File: BF136521.D

Acq: 12 Dec 2023 17:53

Instrument :

BNA\_F

ClientSampleId :

EO-03-12072023

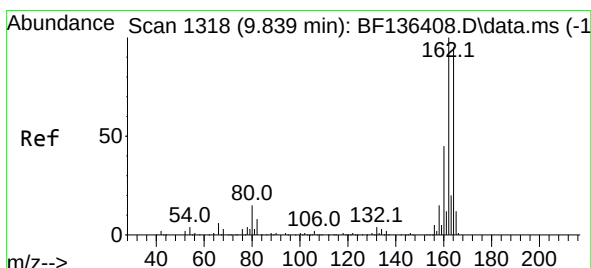
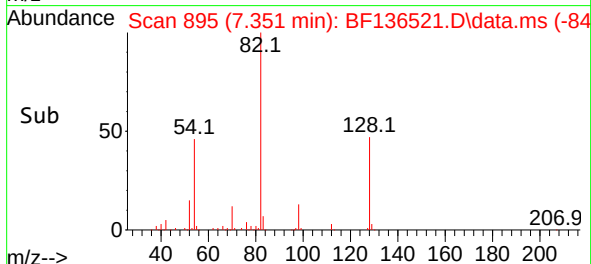
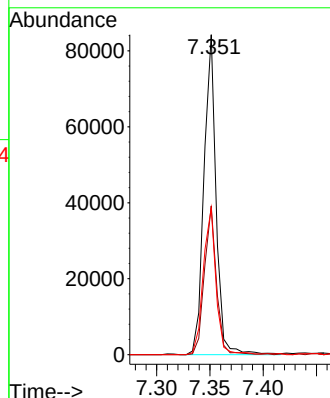
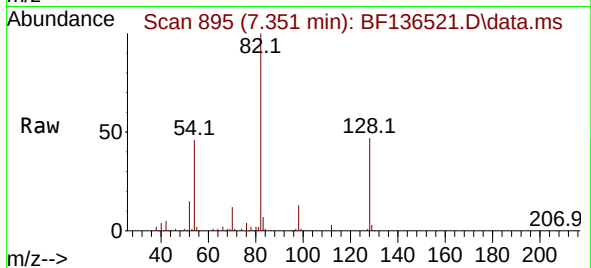
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 82    | Resp: | 67214 |
| Ion Ratio | Lower | Upper |       |
| 82        | 100   |       |       |
| 128       | 46.5  | 36.3  | 54.5  |
| 54        | 45.9  | 39.0  | 58.6  |

Manual Integrations

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Reviewed By :Yogesh Patel 12/14/2023

Supervised By :mohammad ahmed 12/14/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

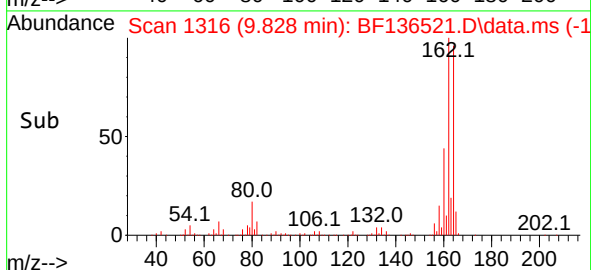
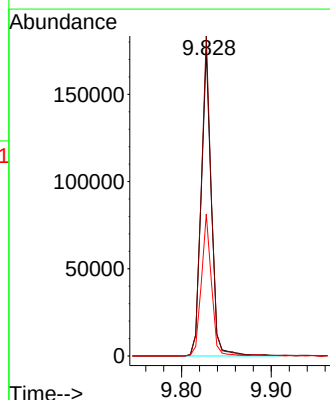
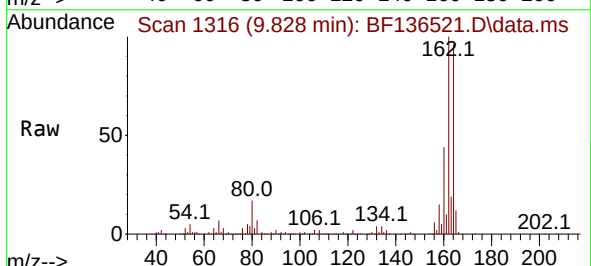
RT: 9.828 min Scan# 1316

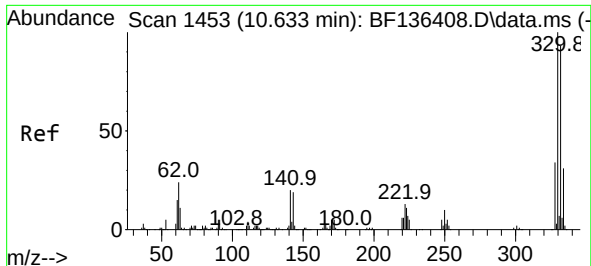
Delta R.T. -0.012 min

Lab File: BF136521.D

Acq: 12 Dec 2023 17:53

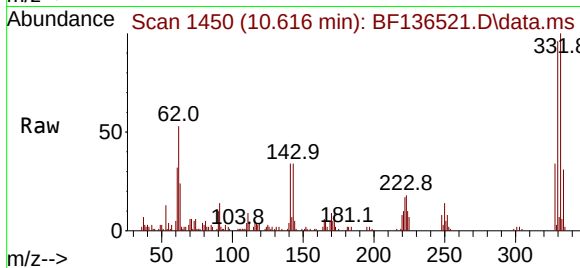
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 164   | Resp: | 138122 |
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 104.6 | 84.4  | 126.6  |
| 160       | 46.4  | 37.6  | 56.4   |





#42  
2,4,6-Tribromophenol  
Concen: 14.684 ng  
RT: 10.616 min Scan# 1453  
Delta R.T. -0.018 min  
Lab File: BF136521.D  
Acq: 12 Dec 2023 17:53

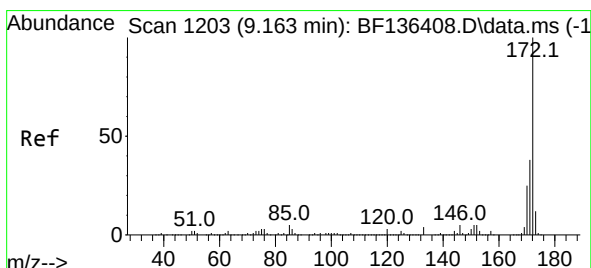
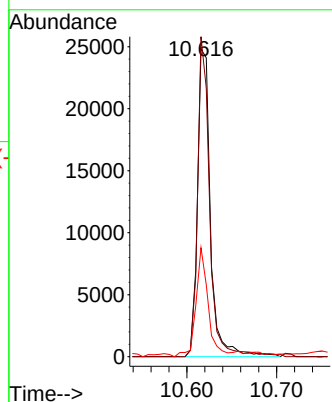
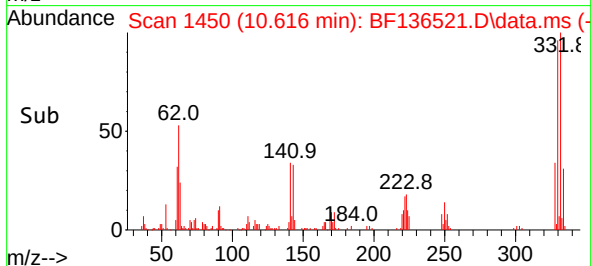
Instrument :  
BNA\_F  
ClientSampleId :  
EO-03-12072023



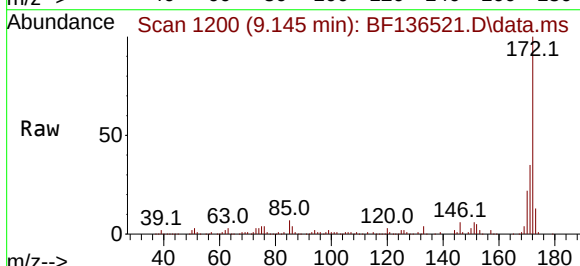
Tgt Ion: 330 Resp: 25000  
Ion Ratio Lower Upper  
330 100  
332 96.1 76.4 114.6  
141 33.2 23.4 35.2

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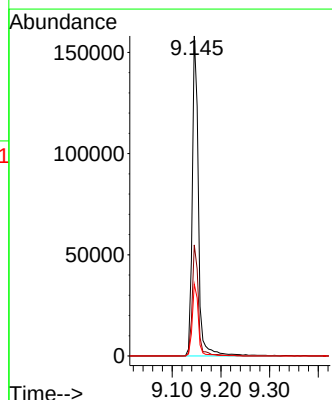
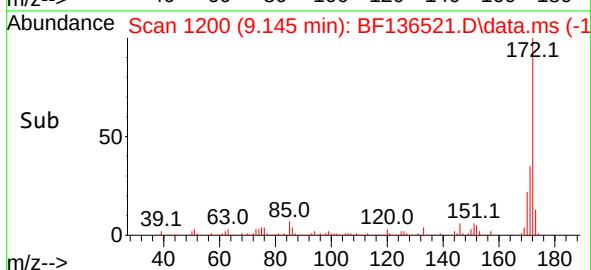
Reviewed By : Yogesh Patel 12/14/2023  
Supervised By : mohammad ahmed 12/14/2023

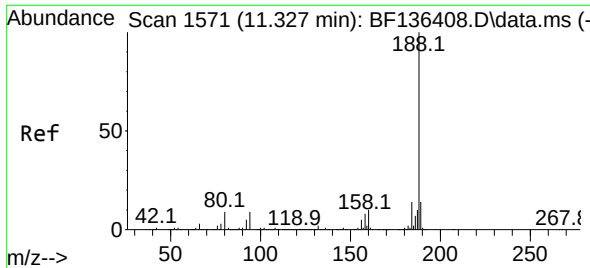


#45  
2-Fluorobiphenyl  
Concen: 13.650 ng  
RT: 9.145 min Scan# 1200  
Delta R.T. -0.018 min  
Lab File: BF136521.D  
Acq: 12 Dec 2023 17:53



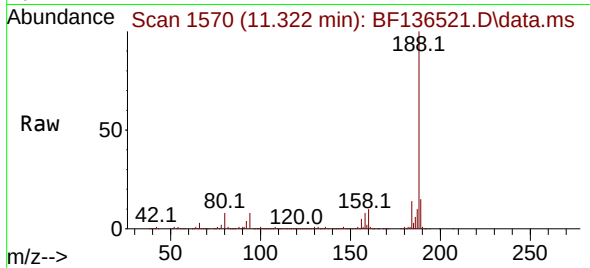
Tgt Ion: 172 Resp: 138176  
Ion Ratio Lower Upper  
172 100  
171 34.7 30.5 45.7  
170 22.4 19.9 29.9





#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.322 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF136521.D  
Acq: 12 Dec 2023 17:53

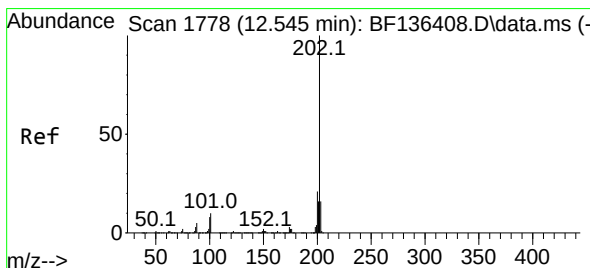
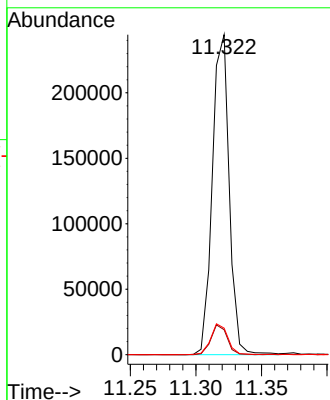
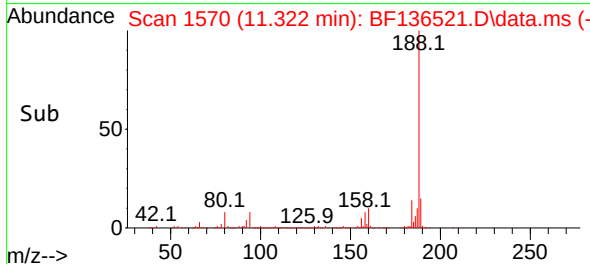
Instrument :  
BNA\_F  
ClientSampleId :  
EO-03-12072023



Tgt Ion:188 Resp: 21850  
Ion Ratio Lower Upper  
188 100  
94 7.8 7.2 10.8  
80 8.3 7.2 10.8

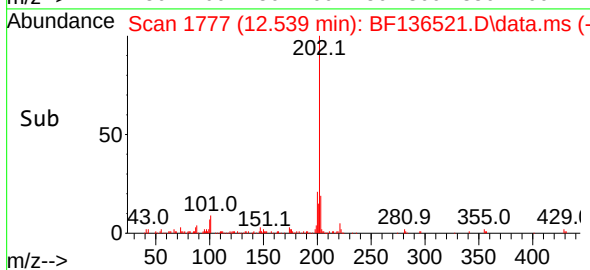
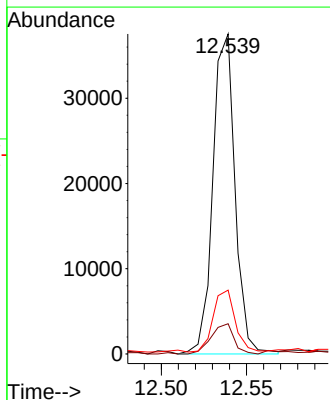
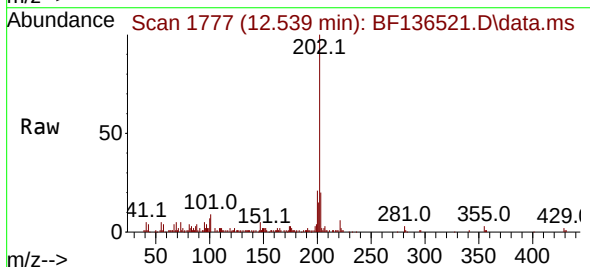
Manual Integrations  
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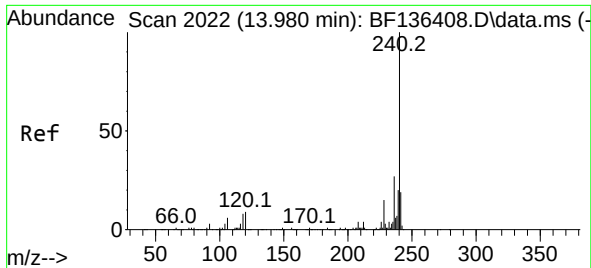
Reviewed By :Yogesh Patel 12/14/2023  
Supervised By :mohammad ahmed 12/14/2023



#75  
Fluoranthene  
Concen: 2.700 ng  
RT: 12.539 min Scan# 1777  
Delta R.T. -0.006 min  
Lab File: BF136521.D  
Acq: 12 Dec 2023 17:53

Tgt Ion:202 Resp: 33977  
Ion Ratio Lower Upper  
202 100  
101 9.4 0.0 29.9  
203 19.9 0.0 36.3





#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.974 min Scan# 2022  
Delta R.T. -0.006 min  
Lab File: BF136521.D  
Acq: 12 Dec 2023 17:53

Instrument :

BNA\_F

ClientSampleId :

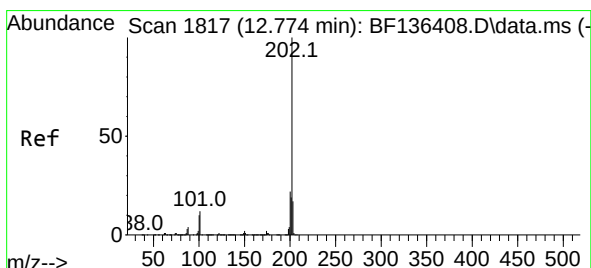
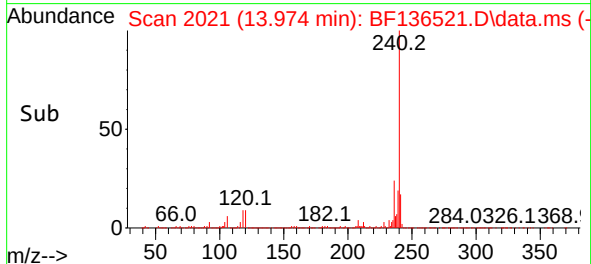
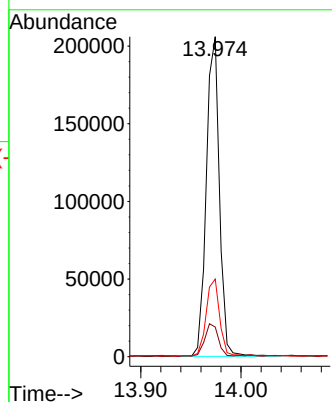
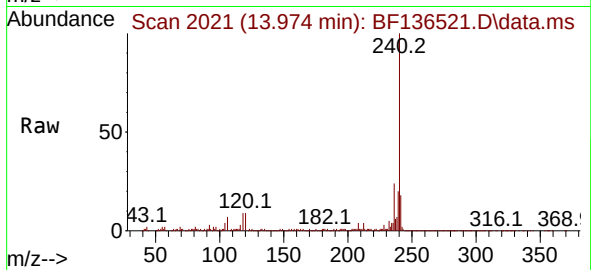
EO-03-12072023

Tgt Ion:240 Resp: 187935  
Ion Ratio Lower Upper  
240 100  
120 9.2 7.3 10.9  
236 24.3 21.3 31.9

Manual Integrations

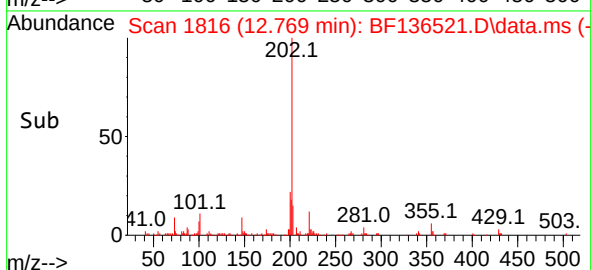
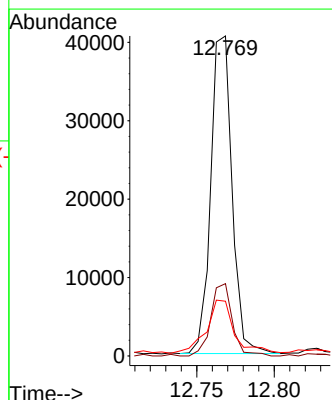
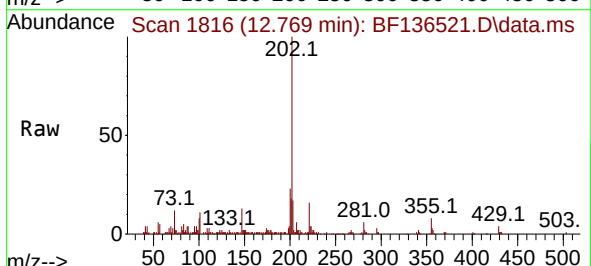
APPROVED

Reviewed By :Yogesh Patel 12/14/2023  
Supervised By :mohammad ahmed 12/14/2023

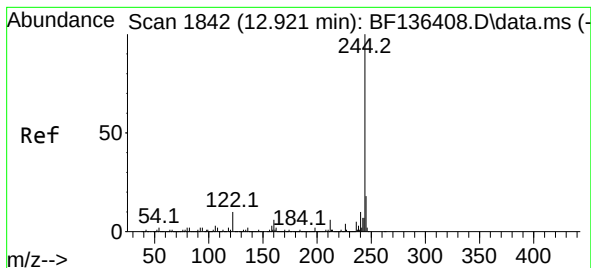


#78  
Pyrene  
Concen: 2.108 ng  
RT: 12.769 min Scan# 1816  
Delta R.T. -0.006 min  
Lab File: BF136521.D  
Acq: 12 Dec 2023 17:53

Tgt Ion:202 Resp: 38790  
Ion Ratio Lower Upper  
202 100  
200 22.6 18.0 27.0  
203 17.1 13.5 20.3







#79

Terphenyl-d14

Concen: 8.791 ng

RT: 12.910 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF136521.D

Acq: 12 Dec 2023 17:53

Instrument :

BNA\_F

ClientSampleId :

EO-03-12072023

Tgt Ion:244 Resp: 12534

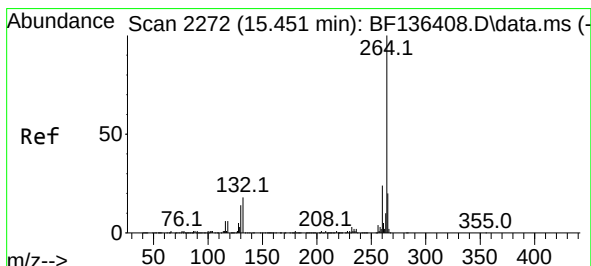
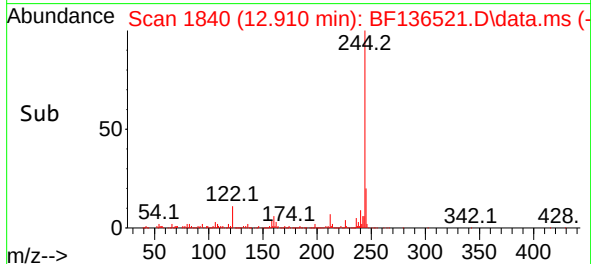
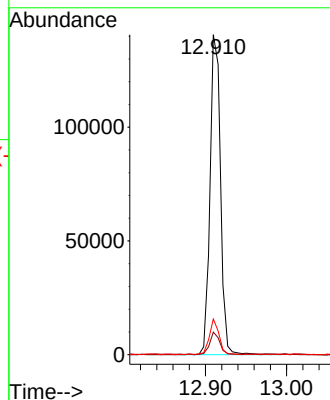
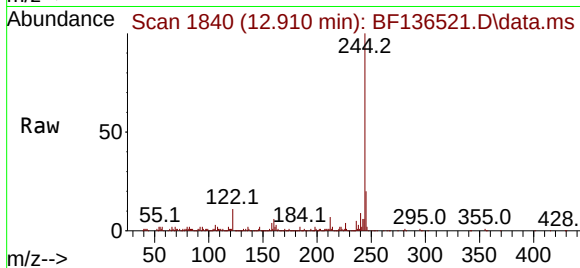
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 7.1   | 5.0   | 7.4   |
| 122 | 11.2  | 8.3   | 12.5  |

Manual Integrations

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Reviewed By :Yogesh Patel 12/14/2023

Supervised By :mohammad ahmed 12/14/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.457 min Scan# 2273

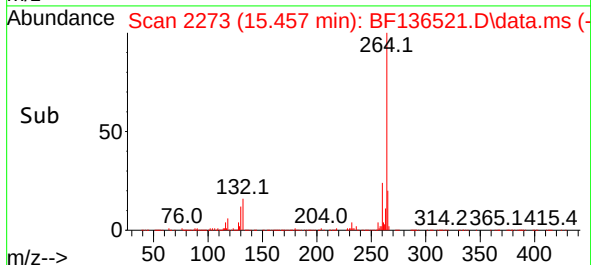
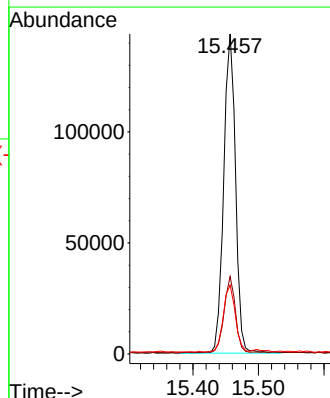
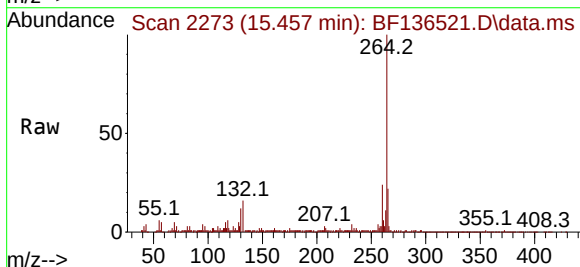
Delta R.T. 0.006 min

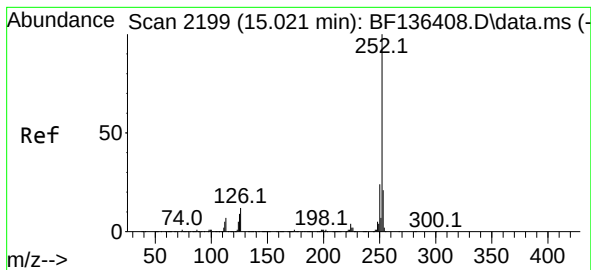
Lab File: BF136521.D

Acq: 12 Dec 2023 17:53

Tgt Ion:264 Resp: 179767

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.2  | 19.2  | 28.8  |
| 265 | 21.5  | 15.9  | 23.9  |





#88

Benzo(b)fluoranthene

Concen: 2.075 ng m

RT: 15.015 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF136521.D

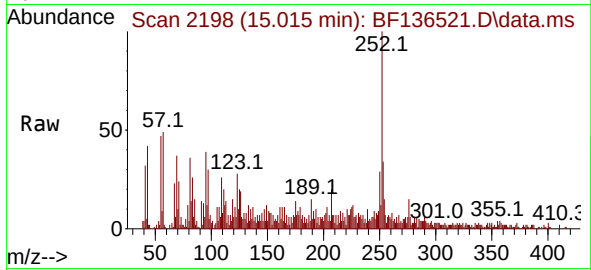
Acq: 12 Dec 2023 17:53

Instrument :

BNA\_F

ClientSampleId :

EO-03-12072023



Tgt Ion:252 Resp: 25509

Ion Ratio Lower Upper

252 100

253 33.7 16.9 25.3

125 19.9 7.4 11.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/14/2023

Supervised By :mohammad ahmed 12/14/2023

