

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF032124\  
 Data File : BF137671.D  
 Acq On : 21 Mar 2024 20:25  
 Operator : CG\JU  
 Sample : P1815-01 5X  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OK-01-032024

Manual Integrations  
 APPROVED

Reviewed By :Jagrut  
 Upadhyay

Quant Time: Mar 22 01:43:35 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022924.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Mar 14 14:45:20 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |                         |
|-----------------------------|--------|------|----------|--------|-------|----------|-------------------------|
| Internal Standards          |        |      |          |        |       |          | 03/22/2024              |
| 1) 1,4-Dichlorobenzene-d4   | 6.728  | 152  | 138683   | 20.000 | ng    | 0.00     | Supervised By :mohammad |
| 21) Naphthalene-d8          | 8.004  | 136  | 511126   | 20.000 | ng    | 0.00     | Summed                  |
| 39) Acenaphthene-d10        | 9.757  | 164  | 246882   | 20.000 | ng    | 0.00     |                         |
| 64) Phenanthrene-d10        | 11.239 | 188  | 403447   | 20.000 | ng    | 0.00     |                         |
| 76) Chrysene-d12            | 13.874 | 240  | 342500   | 20.000 | ng    | 0.00     |                         |
| 86) Perylene-d12            | 15.298 | 264  | 260676   | 20.000 | ng    | 0.00     | 03/26/2024              |
| System Monitoring Compounds |        |      |          |        |       |          |                         |
| 5) 2-Fluorophenol           | 5.334  | 112  | 48784    | 5.328  | ng    | 0.00     |                         |
| 7) Phenol-d6                | 6.369  | 99   | 70734    | 5.352  | ng    | 0.00     |                         |
| 23) Nitrobenzene-d5         | 7.298  | 82   | 39243    | 3.567  | ng    | 0.00     |                         |
| 42) 2,4,6-Tribromophenol    | 10.551 | 330  | 11801    | 5.443  | ng    | 0.00     |                         |
| 45) 2-Fluorobiphenyl        | 9.080  | 172  | 90350    | 5.729  | ng    | 0.00     |                         |
| 79) Terphenyl-d14           | 12.821 | 244  | 95573    | 3.837  | ng    | 0.00     |                         |
| Target Compounds            |        |      |          |        |       | Qvalue   |                         |
| 75) Fluoranthene            | 12.451 | 202  | 73242    | 3.413  | ng    | 98       |                         |
| 78) Pyrene                  | 12.680 | 202  | 85048    | 2.531  | ng    | 98       |                         |
| 88) Benzo(b)fluoranthene    | 14.898 | 252  | 48850m   | 3.168  | ng    |          |                         |
| 90) Benzo(a)pyrene          | 15.245 | 252  | 32980    | 2.170  | ng    | # 86     |                         |

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

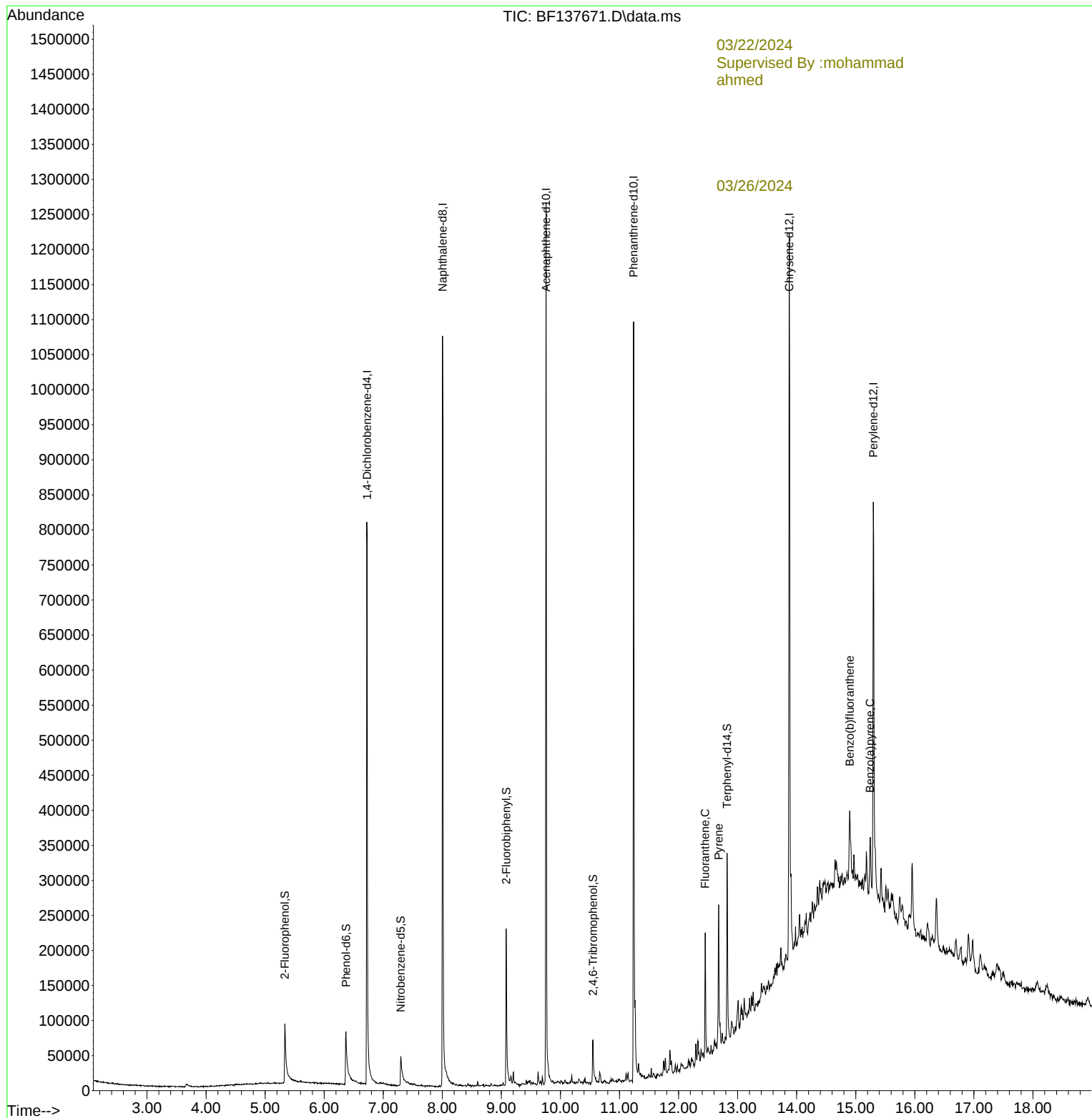
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF032124\  
Data File : BF137671.D  
Acq On : 21 Mar 2024 20:25  
Operator : CG\JU  
Sample : P1815-01 5X  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

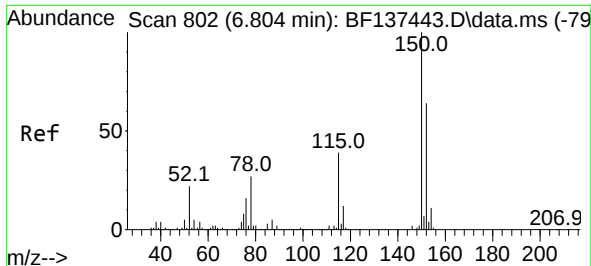
Instrument :  
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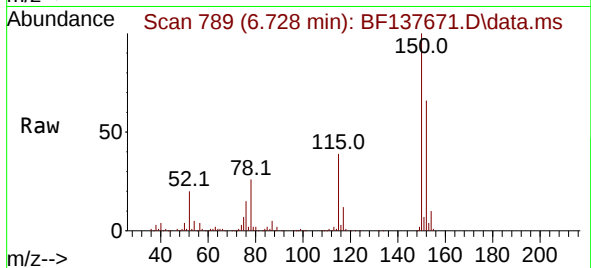
#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.728 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: BF137671.D  
Acq: 21 Mar 2024 20:25

Instrument :

BNA\_F

ClientSampleId :

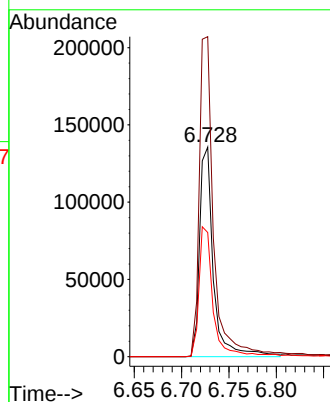
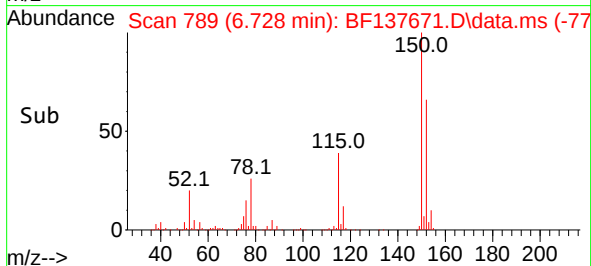
OK-01-032024



Tgt Ion:152 Resp: 13868  
Ion Ratio Lower Upper  
152 100  
150 152.6 125.8 188.6  
115 59.3 48.8 73.2

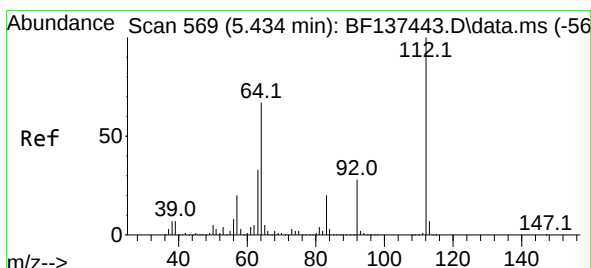
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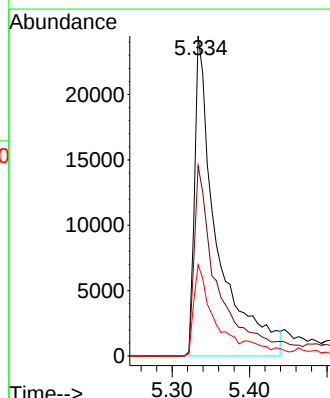
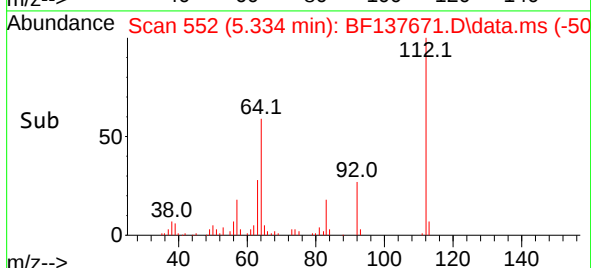
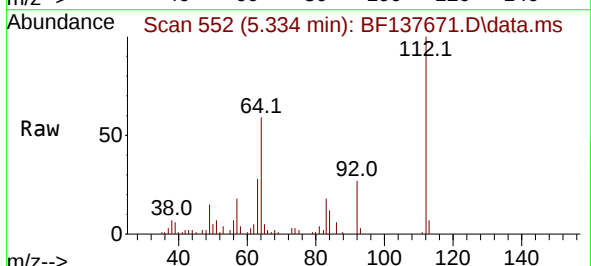
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Supervised By :mohammad  
ahmed

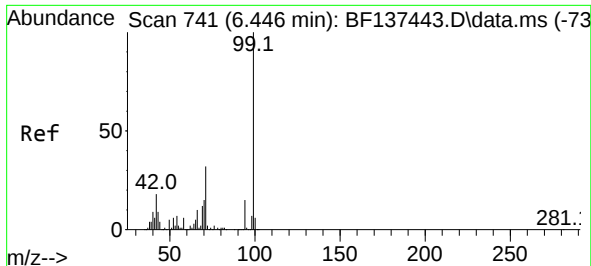
03/26/2024



#5  
2-Fluorophenol  
Concen: 5.328 ng  
RT: 5.334 min Scan# 552  
Delta R.T. -0.000 min  
Lab File: BF137671.D  
Acq: 21 Mar 2024 20:25

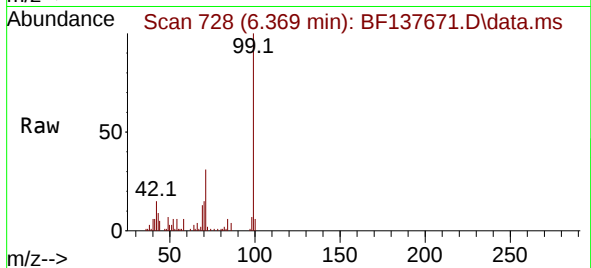
Tgt Ion:112 Resp: 48784  
Ion Ratio Lower Upper  
112 100  
64 59.4 53.4 80.2  
63 28.5 26.2 39.2





#7  
Phenol-d6  
Concen: 5.352 ng  
RT: 6.369 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: BF137671.D  
Acq: 21 Mar 2024 20:25

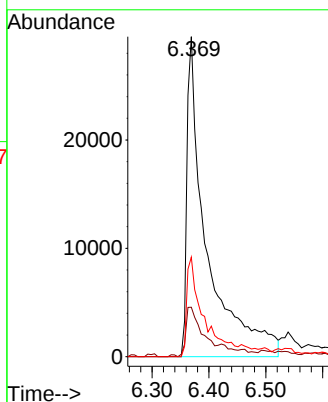
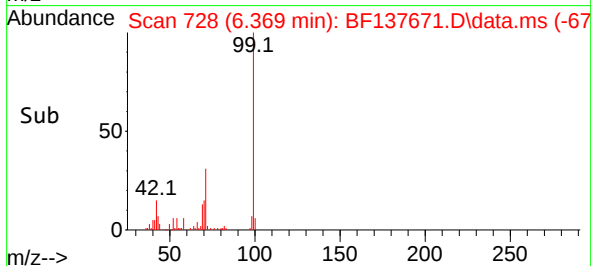
Instrument :  
BNA\_F  
ClientSampleId :  
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Tgt Ion: 99 Resp: 70734  
Ion Ratio Lower Upper  
99 100  
42 15.4 14.6 21.8  
71 31.1 25.3 37.9

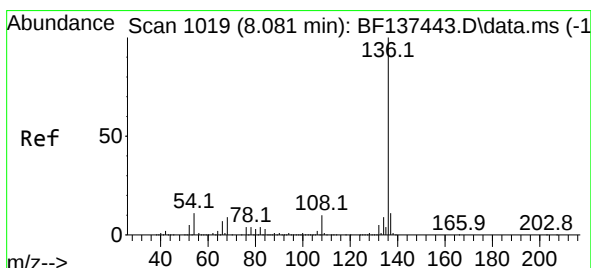
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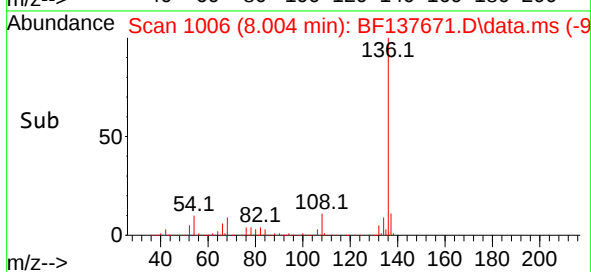
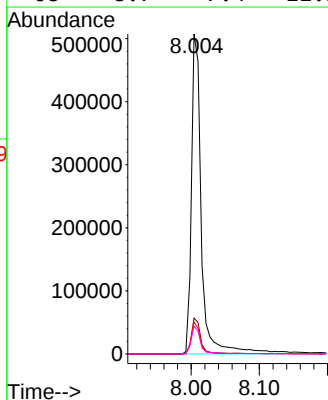
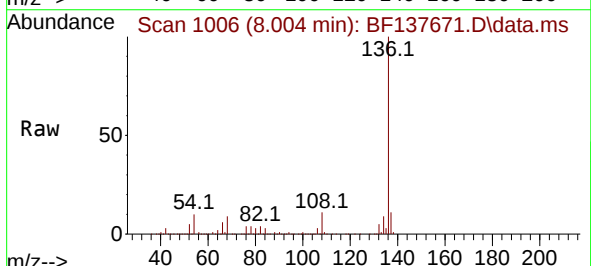
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ahmed

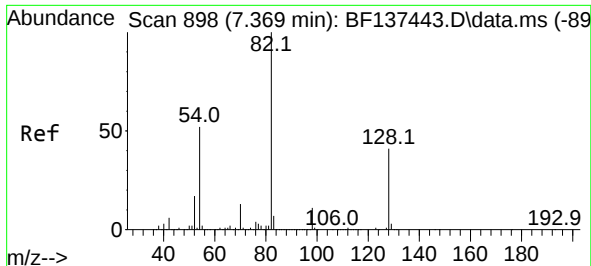
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#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.004 min Scan# 1006  
Delta R.T. -0.006 min  
Lab File: BF137671.D  
Acq: 21 Mar 2024 20:25

Tgt Ion:136 Resp: 511126  
Ion Ratio Lower Upper  
136 100  
137 11.3 9.1 13.7  
54 10.0 8.5 12.7  
68 8.7 7.4 11.2





#23

Nitrobenzene-d5

Concen: 3.567 ng

RT: 7.298 min Scan# 80

Delta R.T. -0.000 min

Lab File: BF137671.D

Acq: 21 Mar 2024 20:25

Instrument :

BNA\_F

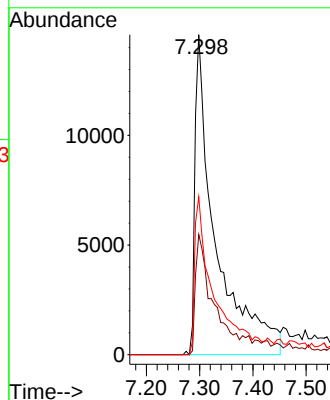
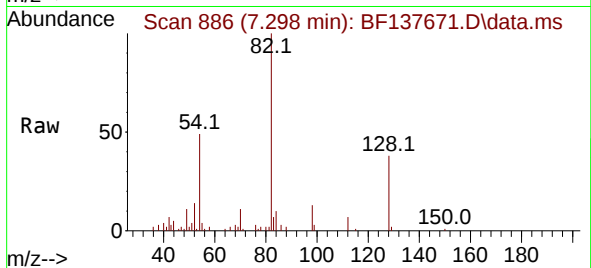
ClientSampleId :

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|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 3924  |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 37.6  | 32.5  | 48.7  |
| 54       | 49.3  | 41.5  | 62.3  |

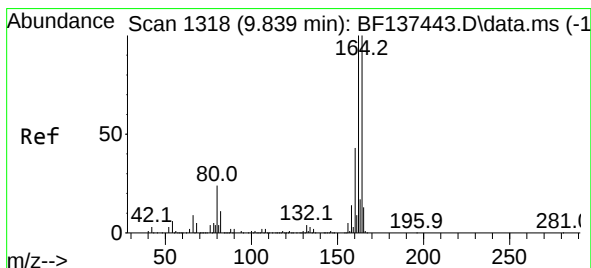
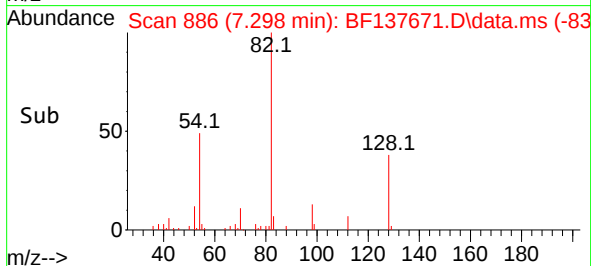
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#39

Acenaphthene-d10

Concen: 20.000 ng

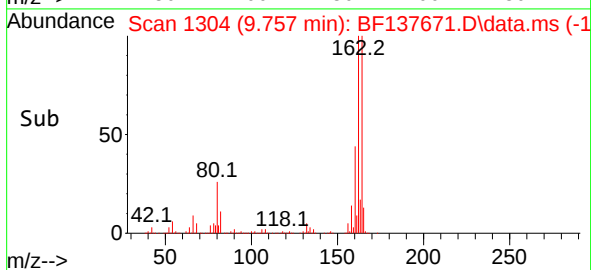
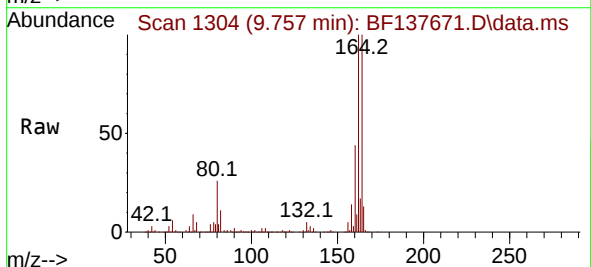
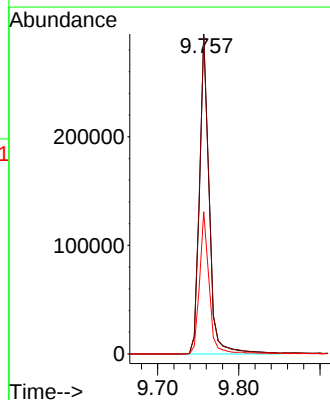
RT: 9.757 min Scan# 1304

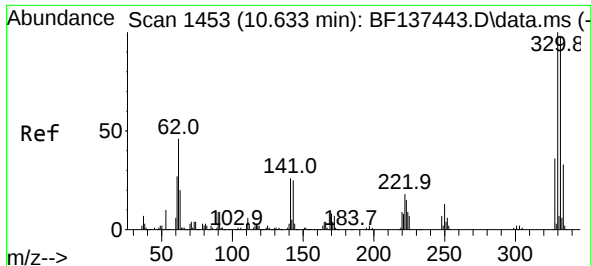
Delta R.T. -0.006 min

Lab File: BF137671.D

Acq: 21 Mar 2024 20:25

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 164   | Resp: | 246882 |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 162      | 99.5  | 79.8  | 119.8  |
| 160      | 44.5  | 34.4  | 51.6   |





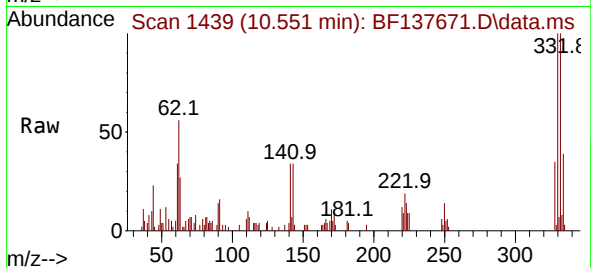
#42  
2,4,6-Tribromophenol  
Concen: 5.443 ng  
RT: 10.551 min Scan# 1453  
Delta R.T. -0.000 min  
Lab File: BF137671.D  
Acq: 21 Mar 2024 20:25

Instrument :

BNA\_F

ClientSampleId :

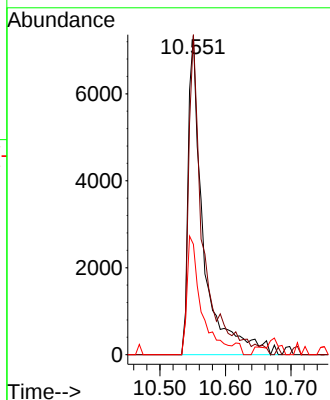
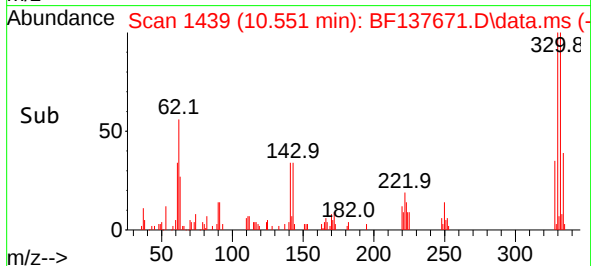
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Tgt Ion:330 Resp: 1180  
Ion Ratio Lower Upper  
330 100  
332 96.1 78.0 117.0  
141 35.2 27.3 40.9

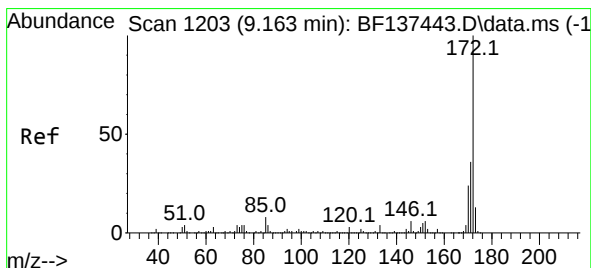
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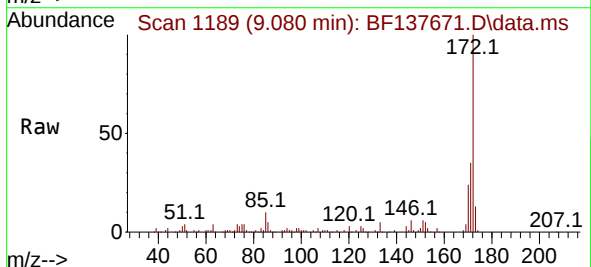


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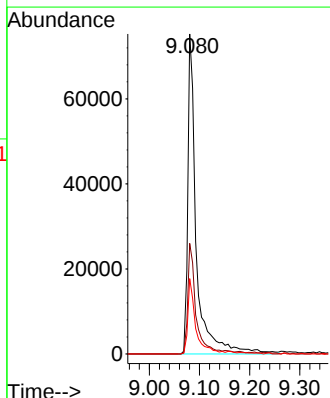
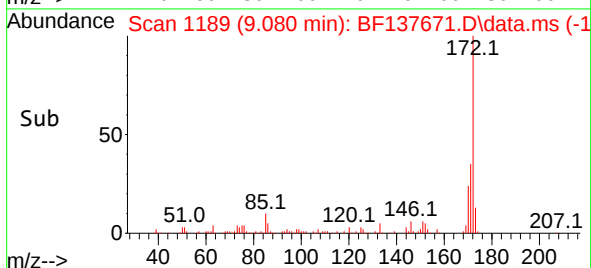
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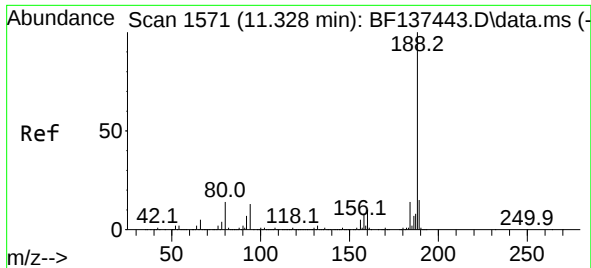


#45  
2-Fluorobiphenyl  
Concen: 5.729 ng  
RT: 9.080 min Scan# 1189  
Delta R.T. -0.006 min  
Lab File: BF137671.D  
Acq: 21 Mar 2024 20:25



Tgt Ion:172 Resp: 90350  
Ion Ratio Lower Upper  
172 100  
171 34.5 28.5 42.7  
170 23.5 19.0 28.6





#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.239 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF137671.D  
Acq: 21 Mar 2024 20:25

Instrument :

BNA\_F

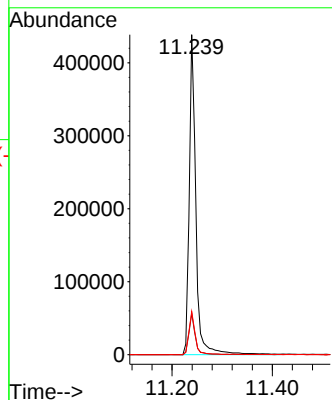
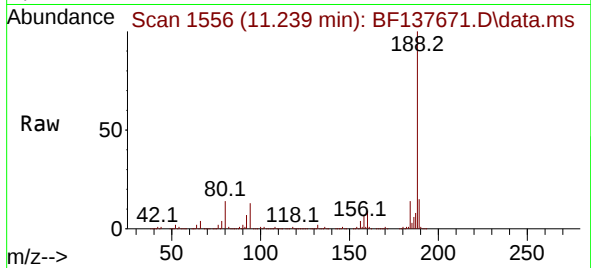
ClientSampleId :

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Tgt Ion:188 Resp: 40344  
Ion Ratio Lower Upper  
188 100  
94 12.9 10.6 15.8  
80 13.5 11.5 17.3

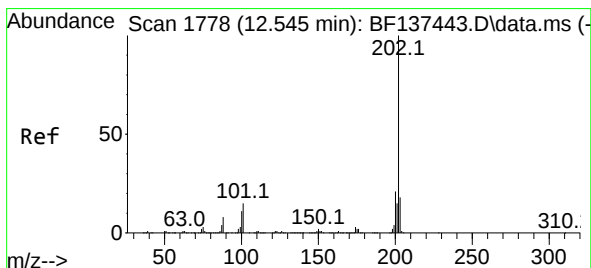
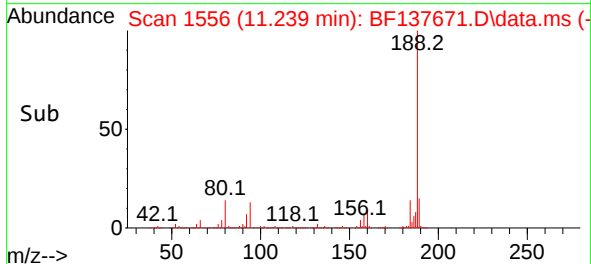
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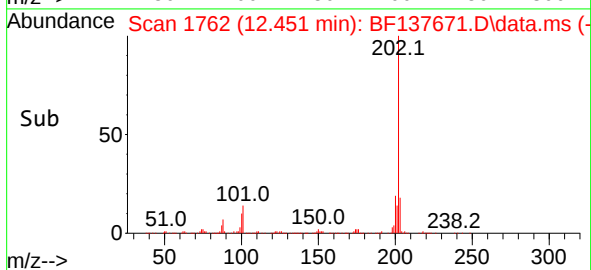
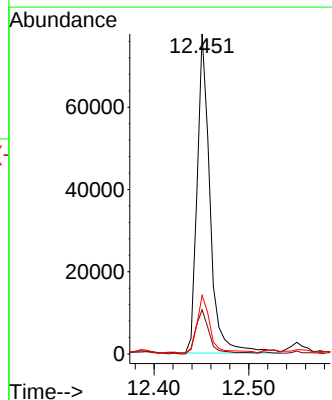
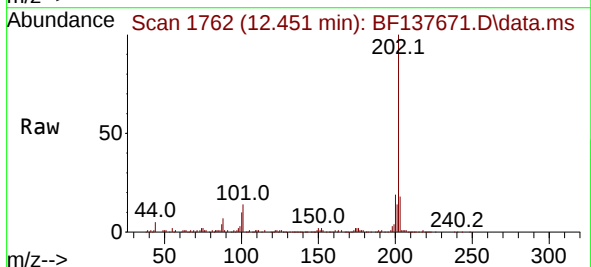
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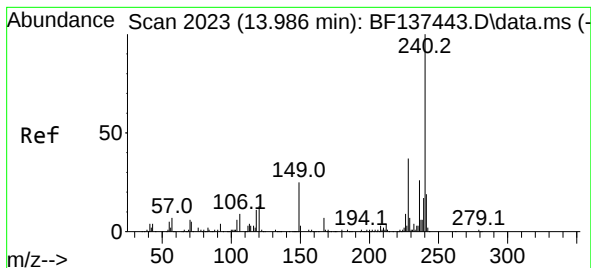
03/26/2024



#75  
Fluoranthene  
Concen: 3.413 ng  
RT: 12.451 min Scan# 1762  
Delta R.T. -0.000 min  
Lab File: BF137671.D  
Acq: 21 Mar 2024 20:25

Tgt Ion:202 Resp: 73242  
Ion Ratio Lower Upper  
202 100  
101 13.8 0.0 35.0  
203 18.3 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.874 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF137671.D

Acq: 21 Mar 2024 20:25

Instrument :

BNA\_F

ClientSampleId :

OK-01-032024

Tgt Ion:240 Resp: 342500

Ion Ratio Lower Upper

240 100

120 13.3 10.4 15.6

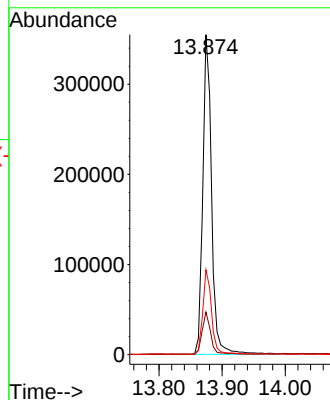
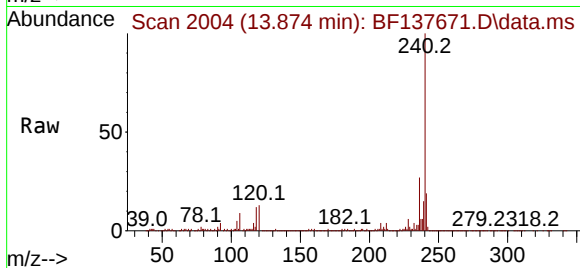
236 26.5 20.9 31.3

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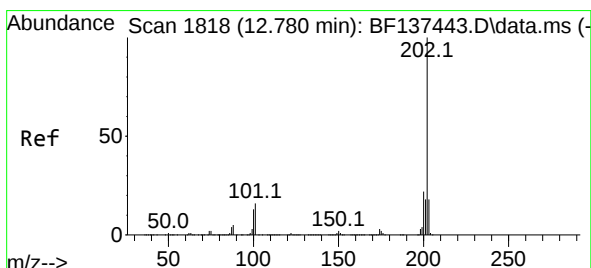
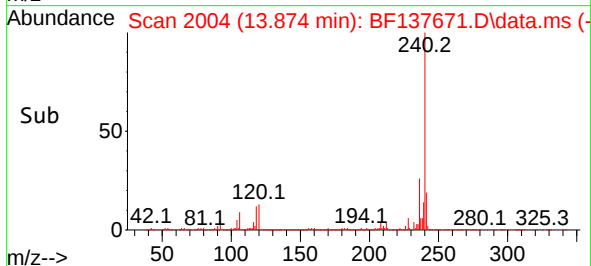
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ahmed

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#78

Pyrene

Concen: 2.531 ng

RT: 12.680 min Scan# 1801

Delta R.T. -0.000 min

Lab File: BF137671.D

Acq: 21 Mar 2024 20:25

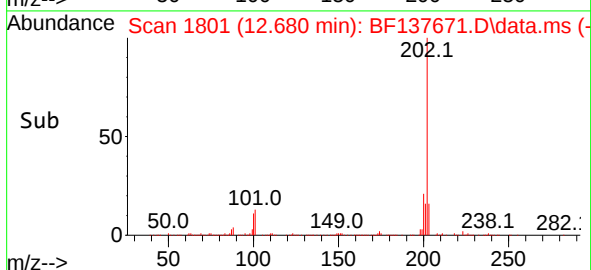
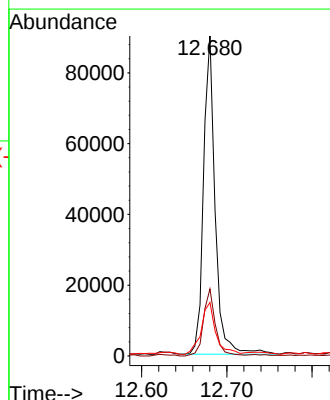
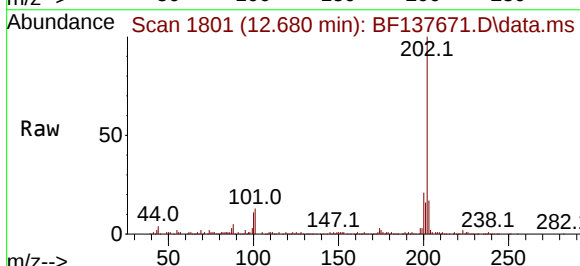
Tgt Ion:202 Resp: 85048

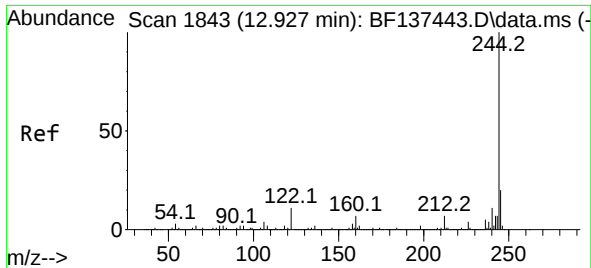
Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.2

203 16.7 14.1 21.1





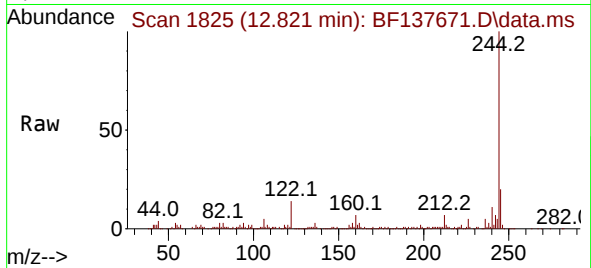
#79  
 Terphenyl-d14  
 Concen: 3.837 ng  
 RT: 12.821 min Scan# 11  
 Delta R.T. -0.006 min  
 Lab File: BF137671.D  
 Acq: 21 Mar 2024 20:25

Instrument :

BNA\_F

ClientSampleId :

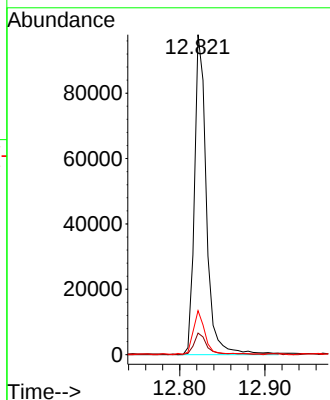
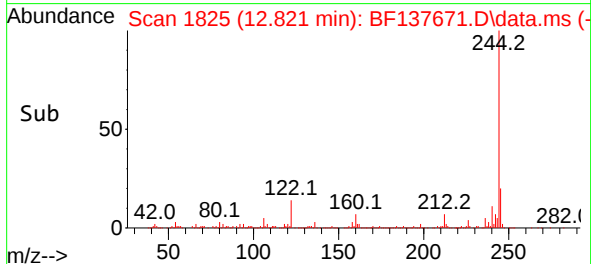
OK-01-032024



Tgt Ion:244 Resp: 9557  
 Ion Ratio Lower Upper  
 244 100  
 212 6.8 5.4 8.2  
 122 13.7 9.1 13.7

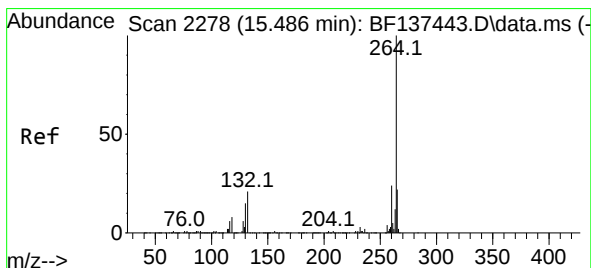
Manual Integrations  
 APPROVED

Reviewed By :Jagrut  
 Upadhyay



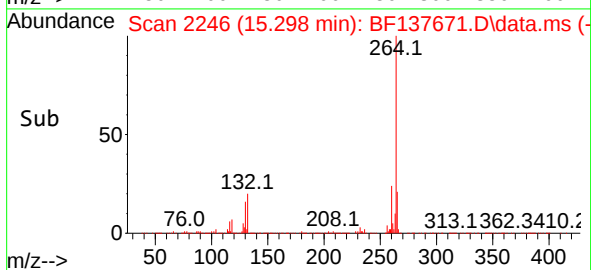
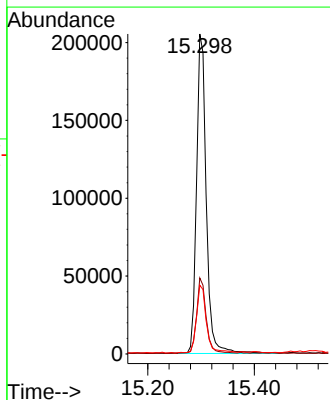
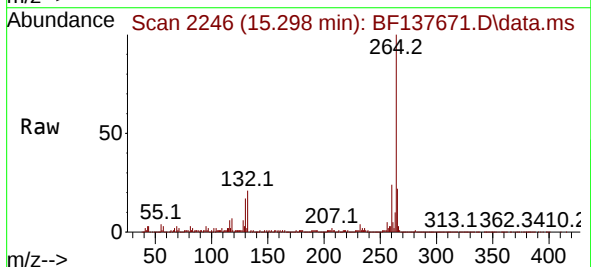
03/22/2024  
 Supervised By :mohammad  
 ahmed

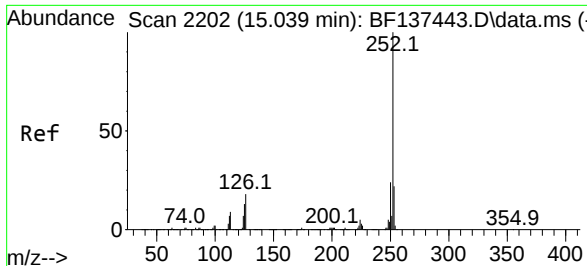
03/26/2024



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.298 min Scan# 2246  
 Delta R.T. -0.000 min  
 Lab File: BF137671.D  
 Acq: 21 Mar 2024 20:25

Tgt Ion:264 Resp: 260676  
 Ion Ratio Lower Upper  
 264 100  
 260 23.8 19.3 28.9  
 265 21.5 17.4 26.0





#88  
Benzo(b)fluoranthene  
Concen: 3.168 ng m  
RT: 14.898 min Scan# 2178  
Delta R.T. 0.006 min  
Lab File: BF137671.D  
Acq: 21 Mar 2024 20:25

Instrument :

BNA\_F

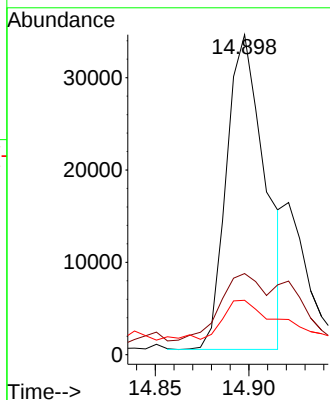
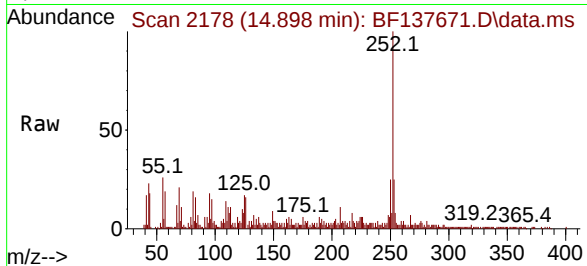
ClientSampleId :

OK-01-032024

Tgt Ion:252 Resp: 48850  
Ion Ratio Lower Upper  
252 100  
253 25.3 17.8 26.8  
125 17.0 10.1 15.1

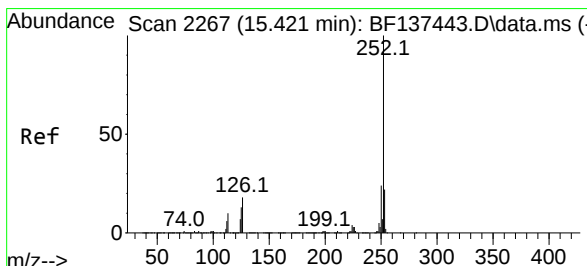
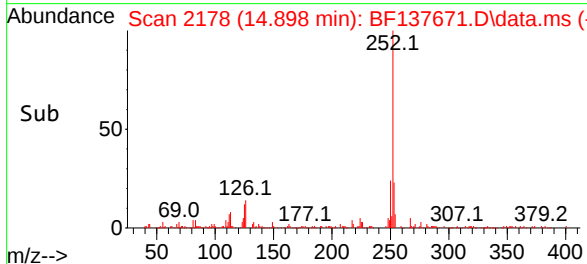
Manual Integrations  
APPROVED

Reviewed By :Jagrut  
Upadhyay



03/22/2024  
Supervised By :mohammad  
ahmed

03/26/2024



#90  
Benzo(a)pyrene  
Concen: 2.170 ng  
RT: 15.245 min Scan# 2237  
Delta R.T. 0.006 min  
Lab File: BF137671.D  
Acq: 21 Mar 2024 20:25

Tgt Ion:252 Resp: 32980  
Ion Ratio Lower Upper  
252 100  
253 26.7 17.4 26.2#  
125 21.1 10.4 15.6#

