

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF070524\  
 Data File : BF138468.D  
 Acq On : 05 Jul 2024 15:02  
 Operator : CG\JU  
 Sample : P3141-02RE  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-140-SB01RE

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 07/08/2024  
 Supervised By :mohammad ahmed 07/08/2024

Quant Time: Jul 05 15:28:17 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Jun 29 02:44:30 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.869  | 152  | 60243    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.151  | 136  | 238390   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.904  | 164  | 131244   | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10        | 11.392 | 188  | 224537   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12            | 14.027 | 240  | 128825   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12            | 15.498 | 264  | 128402   | 20.000  | ng    | 0.00     |
|                             |        |      |          |         |       |          |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.493  | 112  | 394284   | 108.511 | ng    | 0.00     |
| 7) Phenol-d6                | 6.504  | 99   | 517124   | 105.648 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.428  | 82   | 333079   | 72.581  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 10.692 | 330  | 116278   | 108.440 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 9.228  | 172  | 588269   | 71.333  | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.975 | 244  | 534897   | 56.901  | ng    | 0.00     |
|                             |        |      |          |         |       |          |
| Target Compounds            |        |      |          |         |       | Qvalue   |
| 71) Phenanthrene            | 11.416 | 178  | 27330    | 2.493   | ng    | 98       |
| 75) Fluoranthene            | 12.604 | 202  | 35253    | 3.587   | ng    | 97       |
| 78) Pyrene                  | 12.833 | 202  | 40900    | 2.970   | ng    | 99       |
| 81) Benzo(a)anthracene      | 14.022 | 228  | 16927    | 2.041   | ng    | 95       |
| 83) Chrysene                | 14.057 | 228  | 16651    | 2.064   | ng    | 97       |
| 88) Benzo(b)fluoranthene    | 15.069 | 252  | 16319m   | 2.316   | ng    |          |
| -----                       |        |      |          |         |       |          |

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

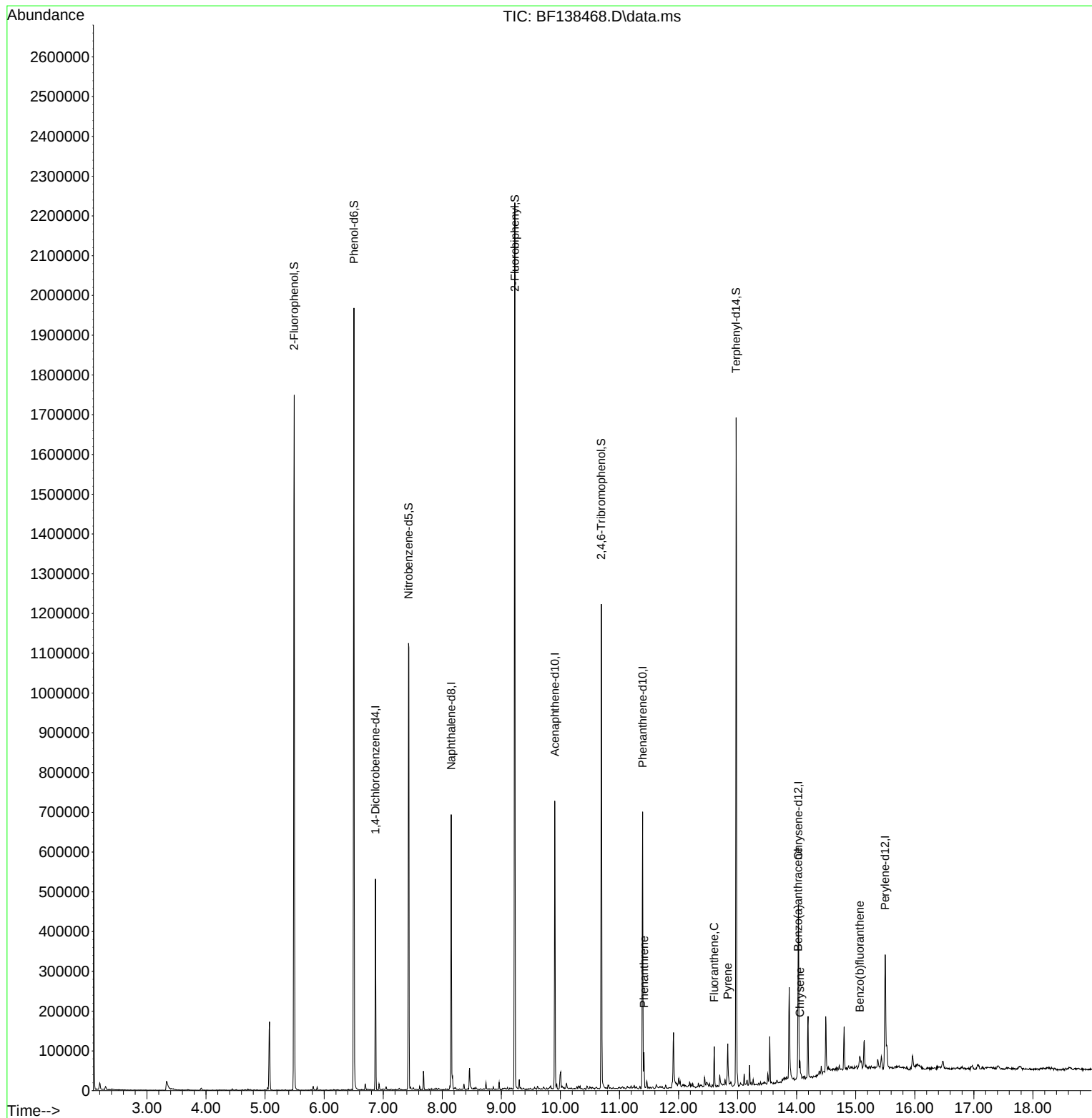
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF070524\  
Data File : BF138468.D  
Acq On : 05 Jul 2024 15:02  
Operator : CG\JU  
Sample : P3141-02RE  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

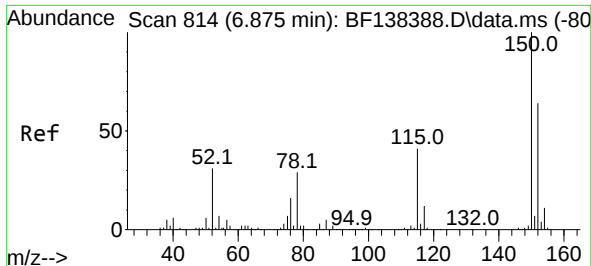
Instrument :  
BNA\_F  
ClientSampleId :  
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Quant Time: Jul 05 15:28:17 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Jun 29 02:44:30 2024  
Response via : Initial Calibration

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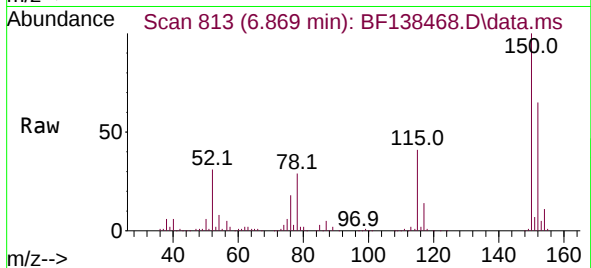
Reviewed By :Yogesh Patel 07/08/2024  
Supervised By :mohammad ahmed 07/08/2024





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.869 min Scan# 814  
Delta R.T. -0.006 min  
Lab File: BF138468.D  
Acq: 05 Jul 2024 15:02

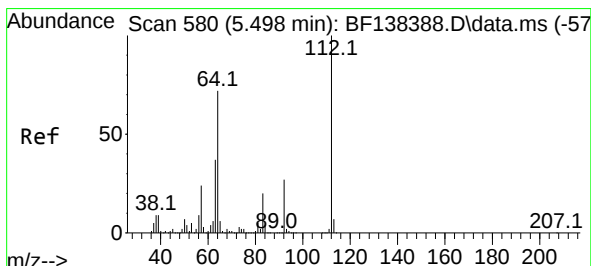
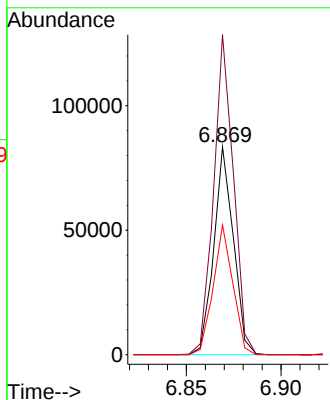
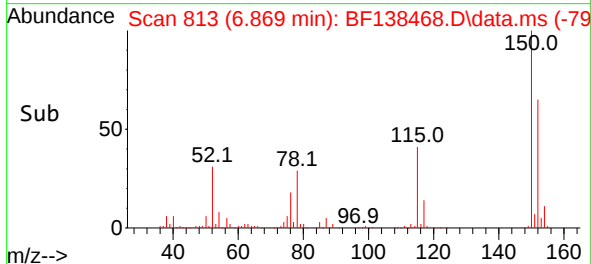
Instrument :  
BNA\_F  
ClientSampleId :  
B-140-SB01RE



Tgt Ion:152 Resp: 6024  
Ion Ratio Lower Upper  
152 100  
150 153.9 124.9 187.3  
115 62.4 50.8 76.2

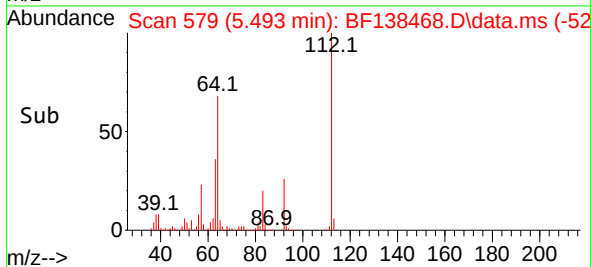
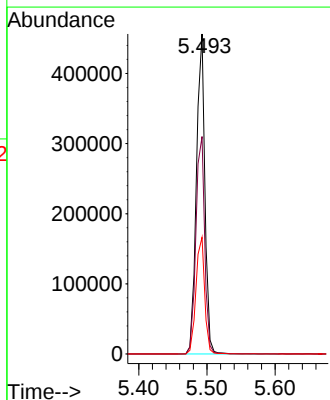
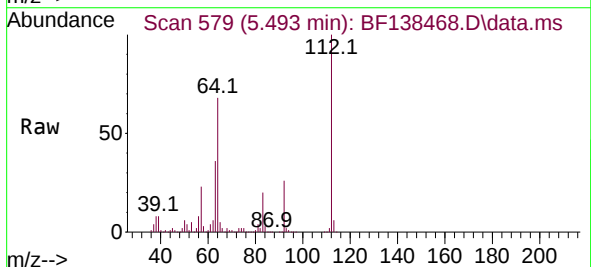
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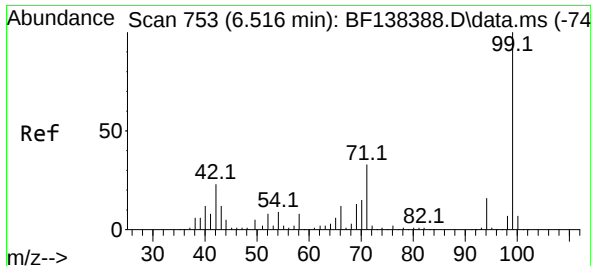
Reviewed By :Yogesh Patel 07/08/2024  
Supervised By :mohammad ahmed 07/08/2024



#5  
2-Fluorophenol  
Concen: 108.511 ng  
RT: 5.493 min Scan# 579  
Delta R.T. -0.006 min  
Lab File: BF138468.D  
Acq: 05 Jul 2024 15:02

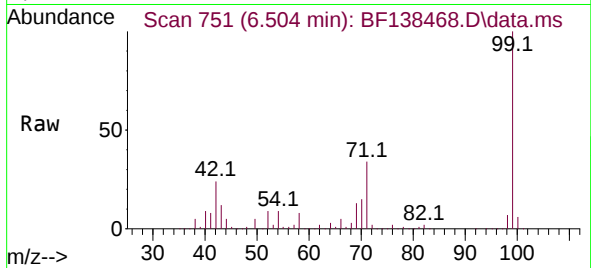
Tgt Ion:112 Resp: 394284  
Ion Ratio Lower Upper  
112 100  
64 67.9 57.2 85.8  
63 36.4 29.4 44.0





#7  
Phenol-d6  
Concen: 105.648 ng  
RT: 6.504 min Scan# 71  
Delta R.T. -0.012 min  
Lab File: BF138468.D  
Acq: 05 Jul 2024 15:02

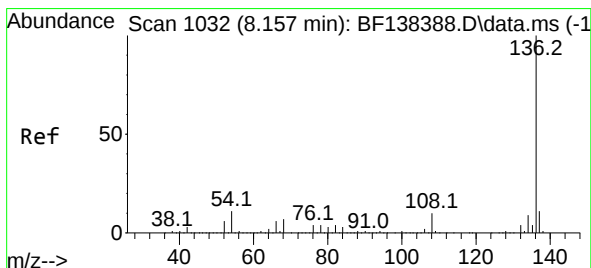
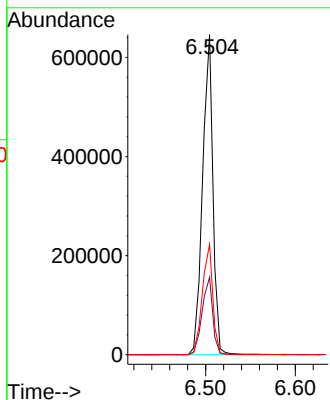
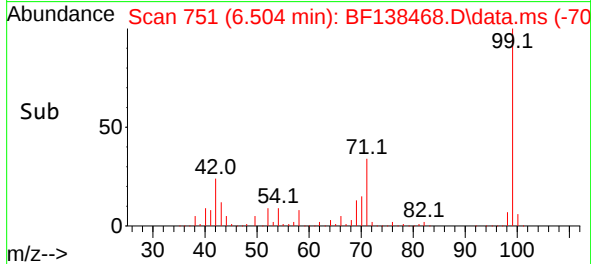
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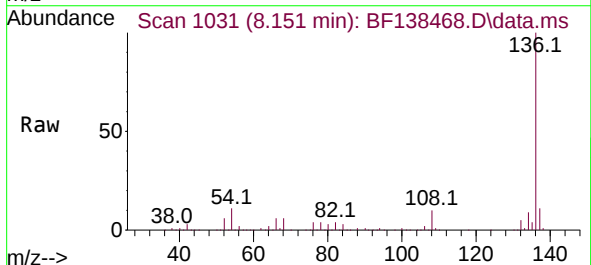
Tgt Ion: 99 Resp: 517124  
Ion Ratio Lower Upper  
99 100  
42 24.2 18.5 27.7  
71 34.5 26.1 39.1

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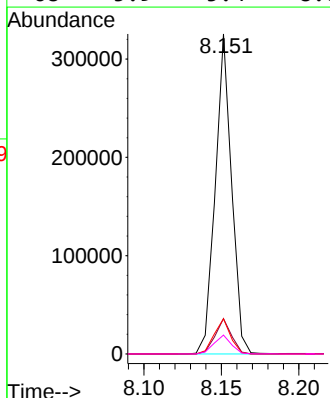
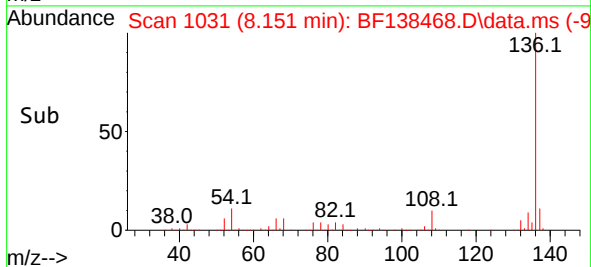
Reviewed By :Yogesh Patel 07/08/2024  
Supervised By :mohammad ahmed 07/08/2024

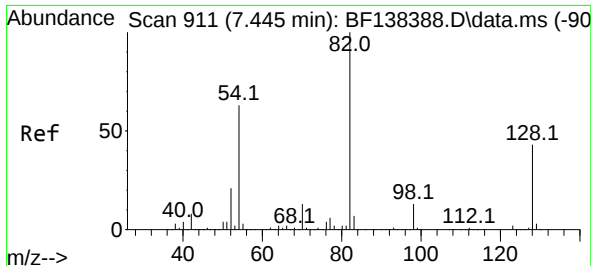


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.151 min Scan# 1031  
Delta R.T. -0.006 min  
Lab File: BF138468.D  
Acq: 05 Jul 2024 15:02



Tgt Ion:136 Resp: 238390  
Ion Ratio Lower Upper  
136 100  
137 11.0 8.8 13.2  
54 11.0 9.0 13.4  
68 5.9 5.4 8.0





#23

Nitrobenzene-d5

Concen: 72.581 ng

RT: 7.428 min Scan# 90

Delta R.T. -0.017 min

Lab File: BF138468.D

Acq: 05 Jul 2024 15:02

Instrument :

BNA\_F

ClientSampleId :

B-140-SB01RE

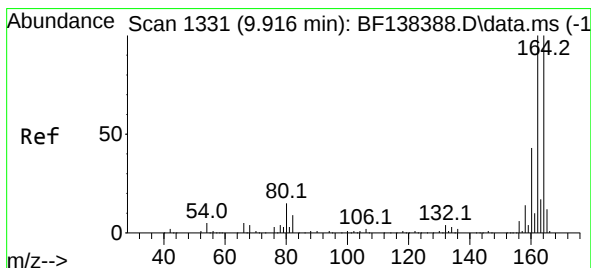
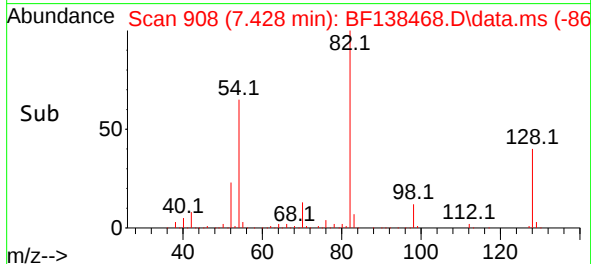
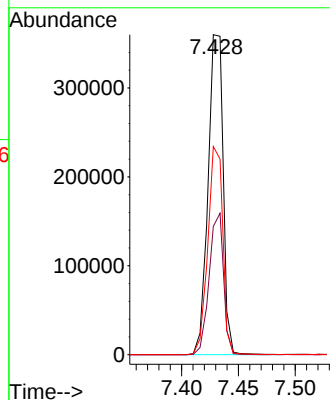
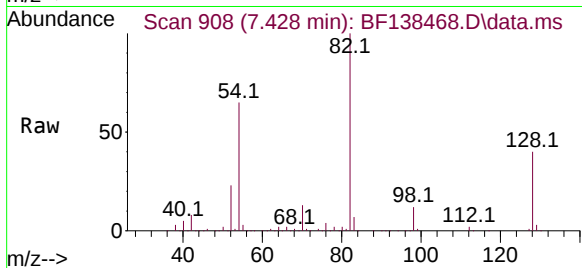
Tgt Ion: 82 Resp: 333079  
 Ion Ratio Lower Upper  
 82 100  
 128 40.1 34.6 52.0  
 54 65.0 50.5 75.7

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Supervised By :mohammad ahmed 07/08/2024



#39

Acenaphthene-d10

Concen: 20.000 ng

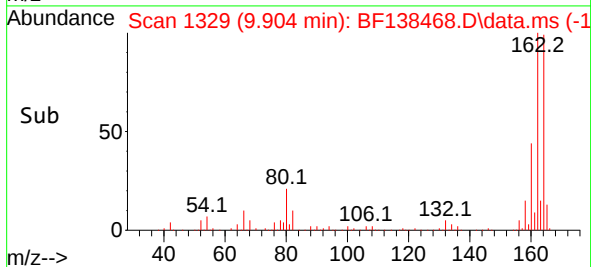
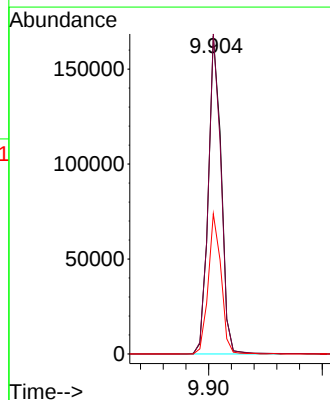
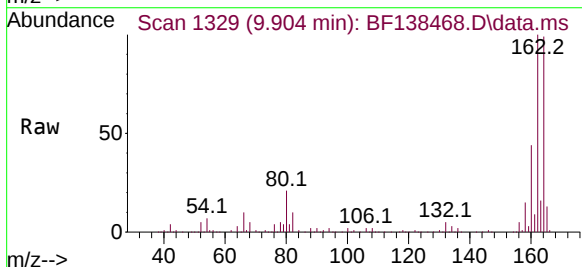
RT: 9.904 min Scan# 1329

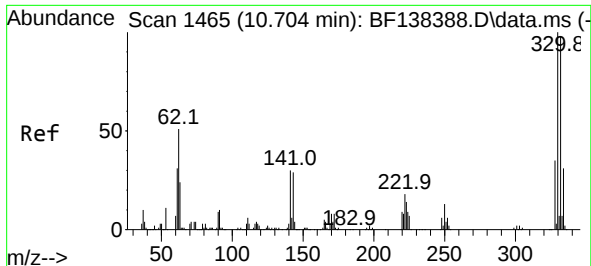
Delta R.T. -0.012 min

Lab File: BF138468.D

Acq: 05 Jul 2024 15:02

Tgt Ion:164 Resp: 131244  
 Ion Ratio Lower Upper  
 164 100  
 162 100.6 80.1 120.1  
 160 44.1 34.1 51.1





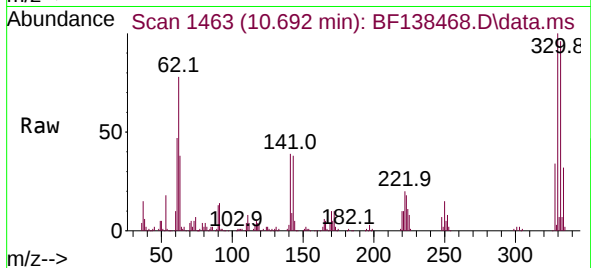
#42  
2,4,6-Tribromophenol  
Concen: 108.440 ng  
RT: 10.692 min Scan# 1463  
Delta R.T. -0.012 min  
Lab File: BF138468.D  
Acq: 05 Jul 2024 15:02

Instrument :

BNA\_F

ClientSampleId :

B-140-SB01RE



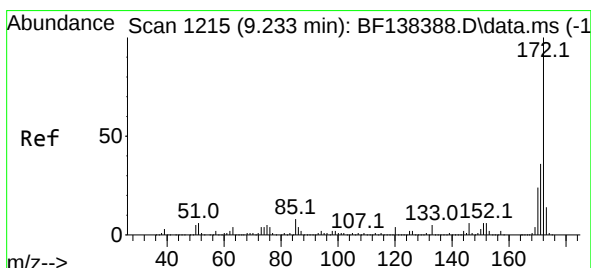
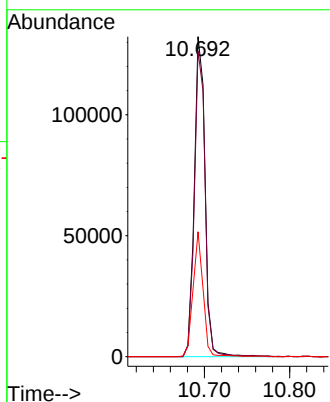
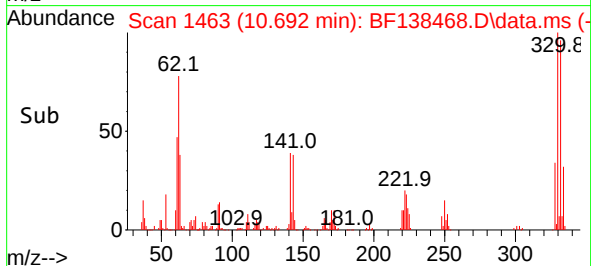
Tgt Ion:330 Resp: 116278  
Ion Ratio Lower Upper  
330 100  
332 95.5 77.0 115.6  
141 36.3 28.1 42.1

Manual Integrations

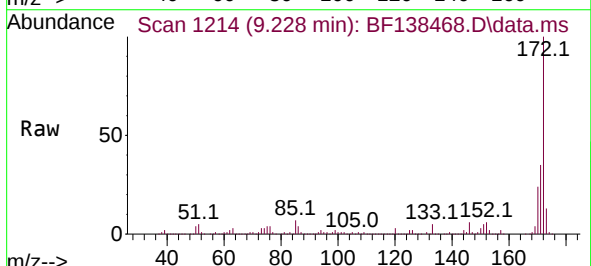
APPROVED

Reviewed By :Yogesh Patel 07/08/2024

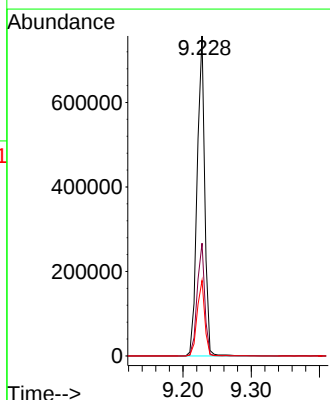
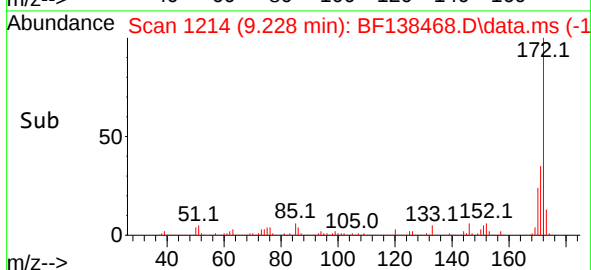
Supervised By :mohammad ahmed 07/08/2024

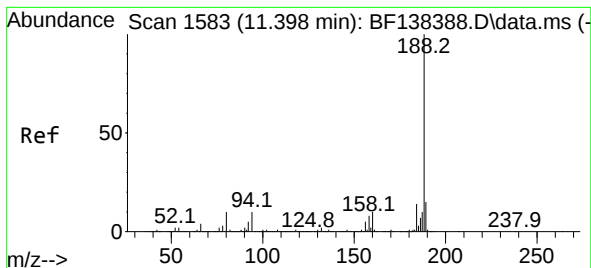


#45  
2-Fluorobiphenyl  
Concen: 71.333 ng  
RT: 9.228 min Scan# 1214  
Delta R.T. -0.005 min  
Lab File: BF138468.D  
Acq: 05 Jul 2024 15:02



Tgt Ion:172 Resp: 588269  
Ion Ratio Lower Upper  
172 100  
171 35.2 29.0 43.4  
170 23.6 19.0 28.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1583

Delta R.T. -0.006 min

Lab File: BF138468.D

Acq: 05 Jul 2024 15:02

Instrument :

BNA\_F

ClientSampleId :

B-140-SB01RE

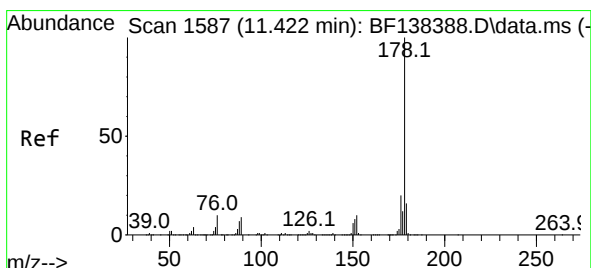
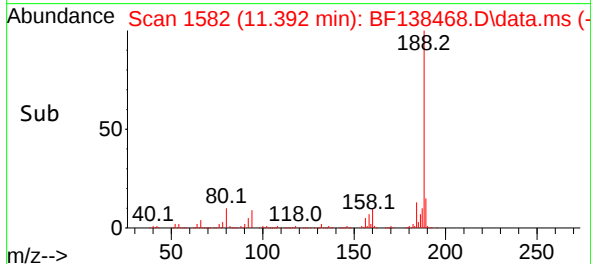
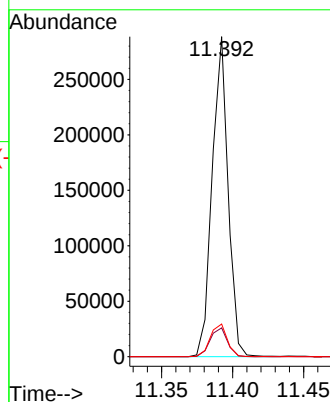
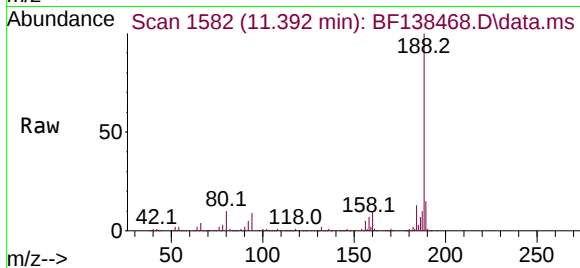
Tgt Ion:188 Resp: 22453  
 Ion Ratio Lower Upper  
 188 100  
 94 9.0 8.0 12.0  
 80 10.2 8.2 12.4

Manual Integrations

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Reviewed By :Yogesh Patel 07/08/2024

Supervised By :mohammad ahmed 07/08/2024



#71

Phenanthrene

Concen: 2.493 ng

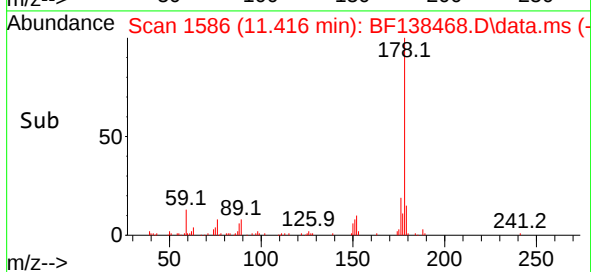
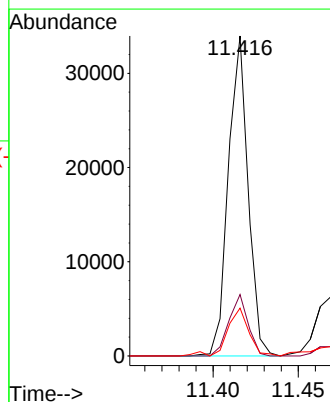
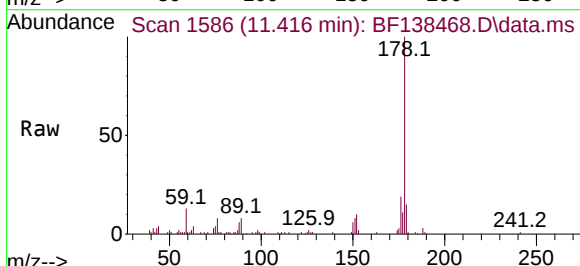
RT: 11.416 min Scan# 1586

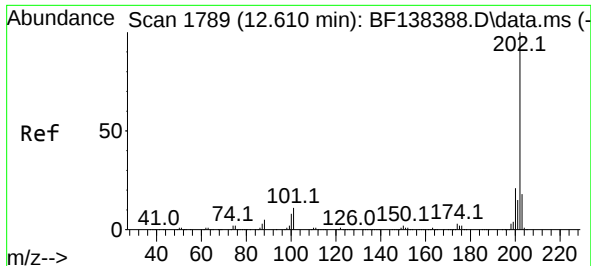
Delta R.T. -0.006 min

Lab File: BF138468.D

Acq: 05 Jul 2024 15:02

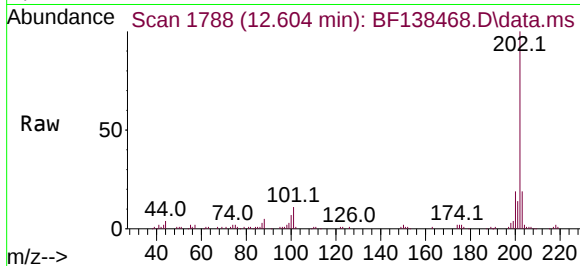
Tgt Ion:178 Resp: 27330  
 Ion Ratio Lower Upper  
 178 100  
 176 19.2 16.1 24.1  
 179 14.9 12.6 18.8





#75  
Fluoranthene  
Concen: 3.587 ng  
RT: 12.604 min Scan# 1788  
Delta R.T. -0.006 min  
Lab File: BF138468.D  
Acq: 05 Jul 2024 15:02

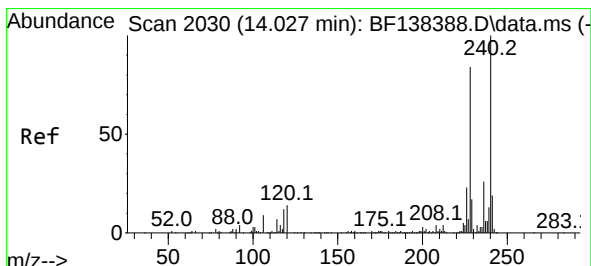
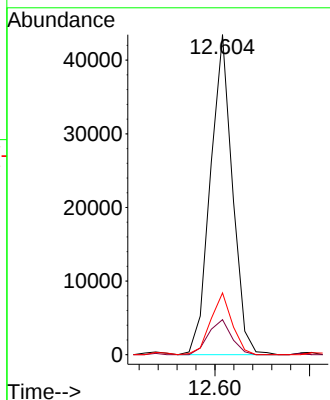
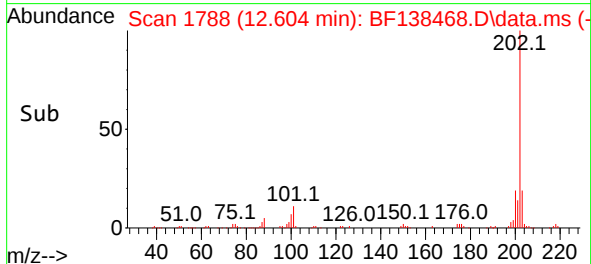
Instrument :  
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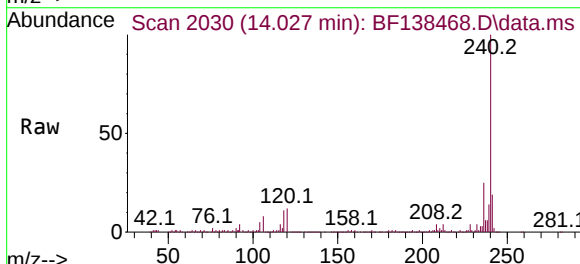
Tgt Ion:202 Resp: 3525  
Ion Ratio Lower Upper  
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101 11.0 0.0 30.5  
203 19.3 0.0 37.6

Manual Integrations  
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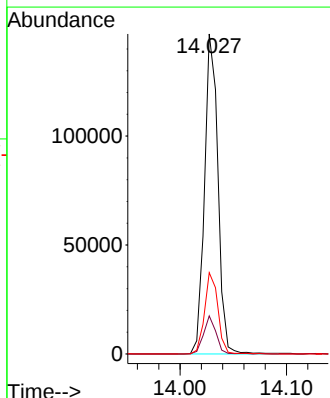
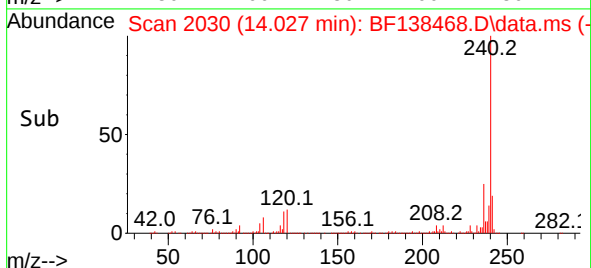
Reviewed By :Yogesh Patel 07/08/2024  
Supervised By :mohammad ahmed 07/08/2024

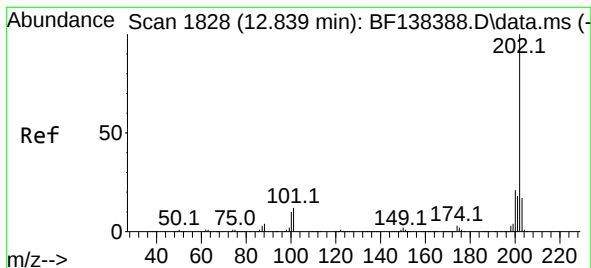


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.027 min Scan# 2030  
Delta R.T. 0.000 min  
Lab File: BF138468.D  
Acq: 05 Jul 2024 15:02



Tgt Ion:240 Resp: 128825  
Ion Ratio Lower Upper  
240 100  
120 11.9 10.9 16.3  
236 25.4 20.6 30.8





#78

Pyrene

Concen: 2.970 ng

RT: 12.833 min Scan# 1828

Delta R.T. -0.006 min

Lab File: BF138468.D

Acq: 05 Jul 2024 15:02

Instrument :

BNA\_F

ClientSampleId :

B-140-SB01RE

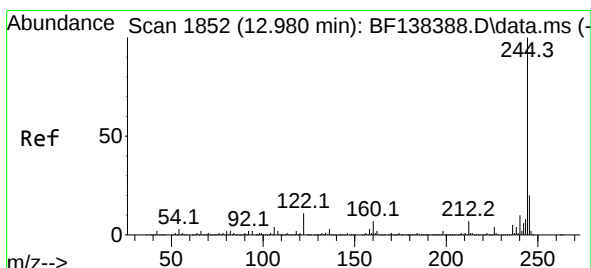
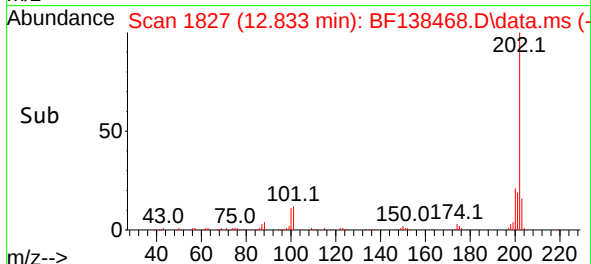
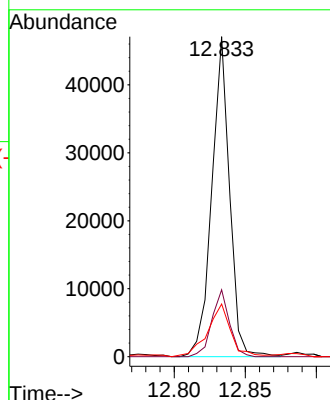
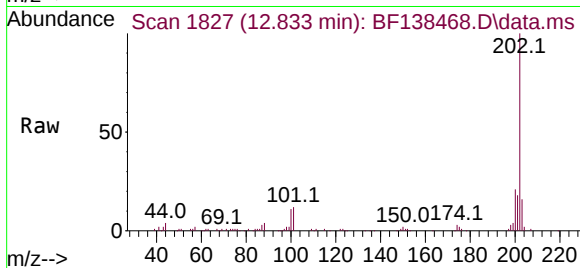
Tgt Ion:202 Resp: 40900  
 Ion Ratio Lower Upper  
 202 100  
 200 20.9 16.9 25.3  
 203 16.4 13.8 20.8

Manual Integrations

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Supervised By :mohammad ahmed 07/08/2024



#79

Terphenyl-d14

Concen: 56.901 ng

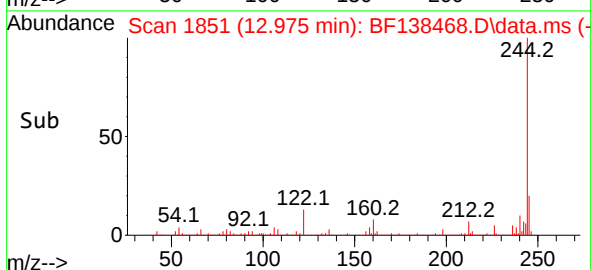
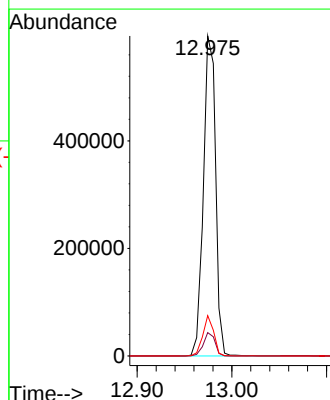
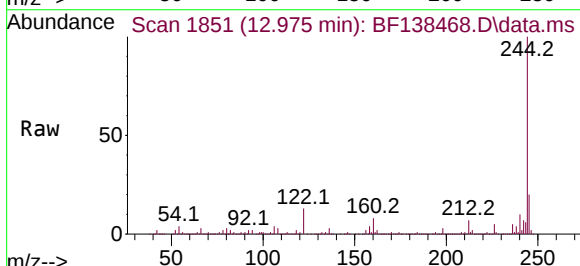
RT: 12.975 min Scan# 1851

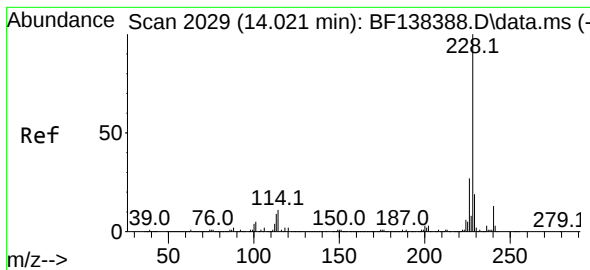
Delta R.T. -0.005 min

Lab File: BF138468.D

Acq: 05 Jul 2024 15:02

Tgt Ion:244 Resp: 534897  
 Ion Ratio Lower Upper  
 244 100  
 212 7.3 5.6 8.4  
 122 12.6 9.0 13.4





#81

Benzo(a)anthracene

Concen: 2.041 ng

RT: 14.022 min Scan# 2029

Delta R.T. 0.000 min

Lab File: BF138468.D

Acq: 05 Jul 2024 15:02

Instrument :

BNA\_F

ClientSampleId :

B-140-SB01RE

Tgt Ion:228 Resp: 1692

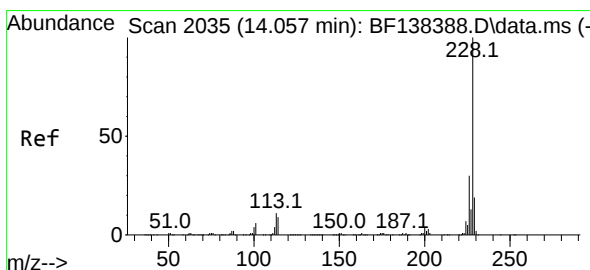
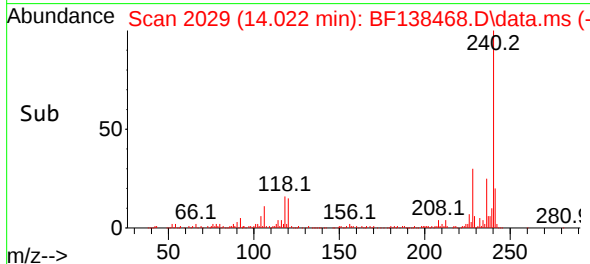
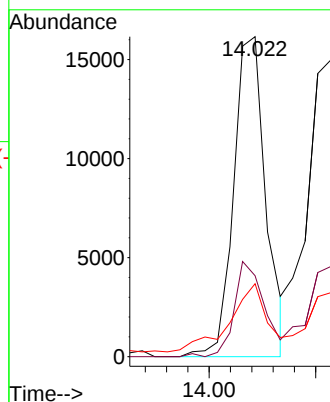
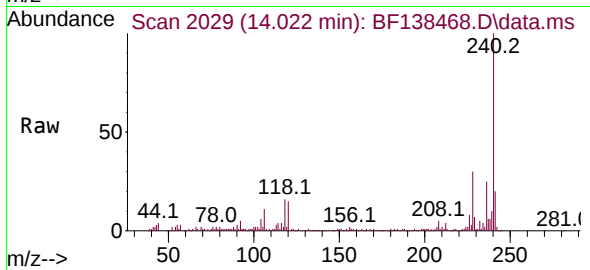
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 25.3  | 21.7  | 32.5  |
| 229 | 22.8  | 15.5  | 23.3  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/08/2024

Supervised By :mohammad ahmed 07/08/2024



#83

Chrysene

Concen: 2.064 ng

RT: 14.057 min Scan# 2035

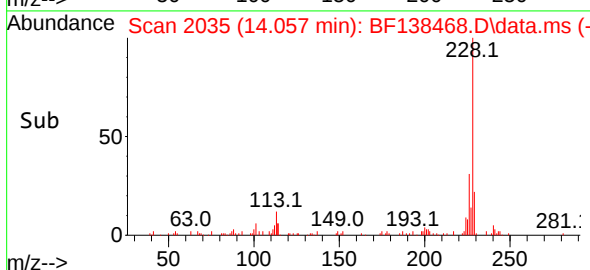
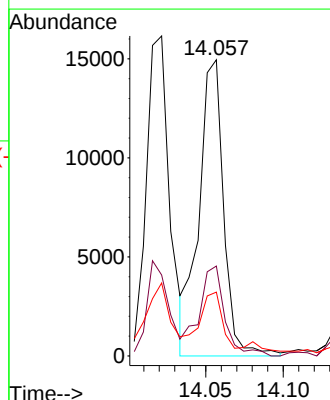
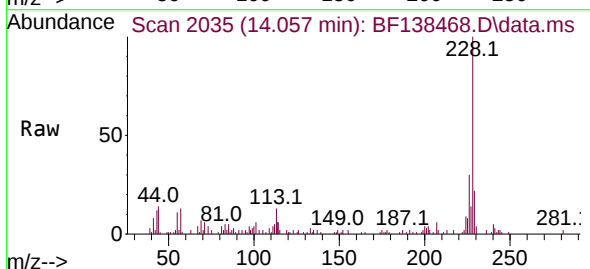
Delta R.T. 0.000 min

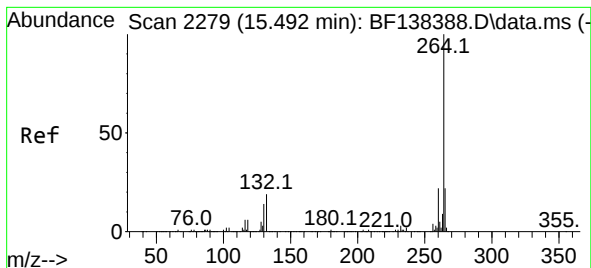
Lab File: BF138468.D

Acq: 05 Jul 2024 15:02

Tgt Ion:228 Resp: 16651

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 30.4  | 23.8  | 35.6  |
| 229 | 21.5  | 15.2  | 22.8  |





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.498 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF138468.D

Acq: 05 Jul 2024 15:02

Instrument :

BNA\_F

ClientSampleId :

B-140-SB01RE

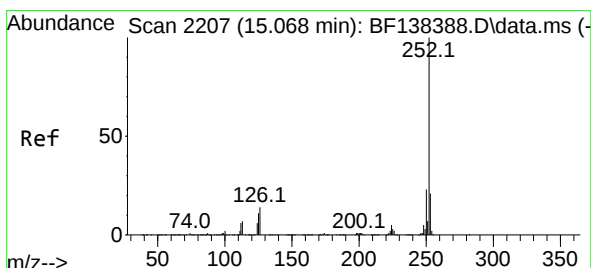
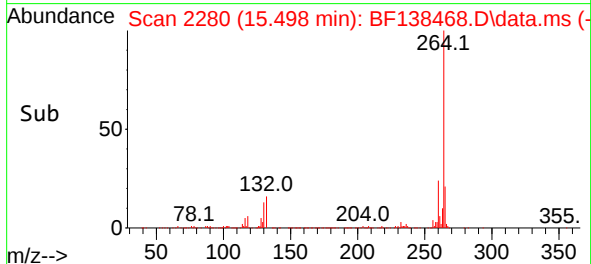
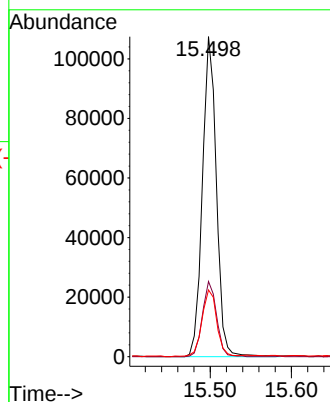
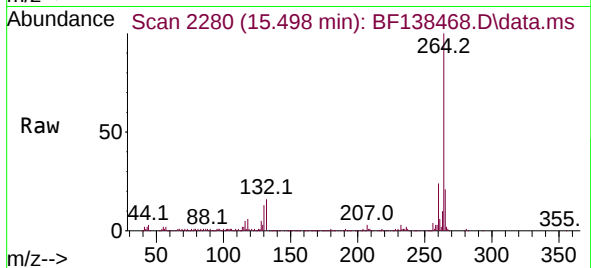
Tgt Ion:264 Resp: 12840  
 Ion Ratio Lower Upper  
 264 100  
 260 23.5 17.8 26.6  
 265 20.9 17.5 26.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/08/2024

Supervised By :mohammad ahmed 07/08/2024



#88

Benzo(b)fluoranthene

Concen: 2.316 ng m

RT: 15.069 min Scan# 2207

Delta R.T. 0.000 min

Lab File: BF138468.D

Acq: 05 Jul 2024 15:02

Tgt Ion:252 Resp: 16319  
 Ion Ratio Lower Upper  
 252 100  
 253 20.7 17.0 25.4  
 125 20.1 8.6 12.8#

