

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG123022\  
 Data File : BG056180.D  
 Acq On : 30 Dec 2022 21:21  
 Operator : CG/JU  
 Sample : N6241-01 5X  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SU-2-122922

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 01/03/2023  
 Supervised By :Yogesh Patel 01/03/2023

Supervised By :Yogesh  
 Patel  
 01/03/2023

Quant Time: Dec 31 00:21:06 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG122722.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 28 05:20:14 2022  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 8.340  | 152  | 56396    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 11.167 | 136  | 208507   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.944 | 164  | 158469   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.682 | 188  | 396358   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12            | 21.977 | 240  | 367214   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12            | 25.438 | 264  | 394369   | 20.000 | ng    | 0.01     |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.855  | 112  | 60910    | 19.284 | ng    | 0.00     |
| 7) Phenol-d6                | 7.465  | 99   | 88280    | 18.200 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.510  | 82   | 45652    | 11.199 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.419 | 330  | 37059    | 18.465 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.575 | 172  | 145109   | 12.645 | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.256 | 244  | 262116   | 12.784 | ng    | 0.00     |
| Target Compounds            |        |      |          |        |       |          |
|                             |        |      |          |        |       | Qvalue   |
| 75) Fluoranthene            | 19.709 | 202  | 97340    | 3.633  | ng    | 99       |
| 78) Pyrene                  | 20.074 | 202  | 89486    | 3.457  | ng    | 99       |
| 81) Benzo(a)anthracene      | 21.954 | 228  | 51611    | 2.001  | ng    | 96       |
| 83) Chrysene                | 22.024 | 228  | 49314m   | 2.041  | ng    |          |
| 88) Benzo(b)fluoranthene    | 24.333 | 252  | 69508    | 2.774  | ng    | # 95     |
| -----                       |        |      |          |        |       |          |

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

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Data File : BG056180.D  
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Operator : CG/JU  
Sample : N6241-01 5X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

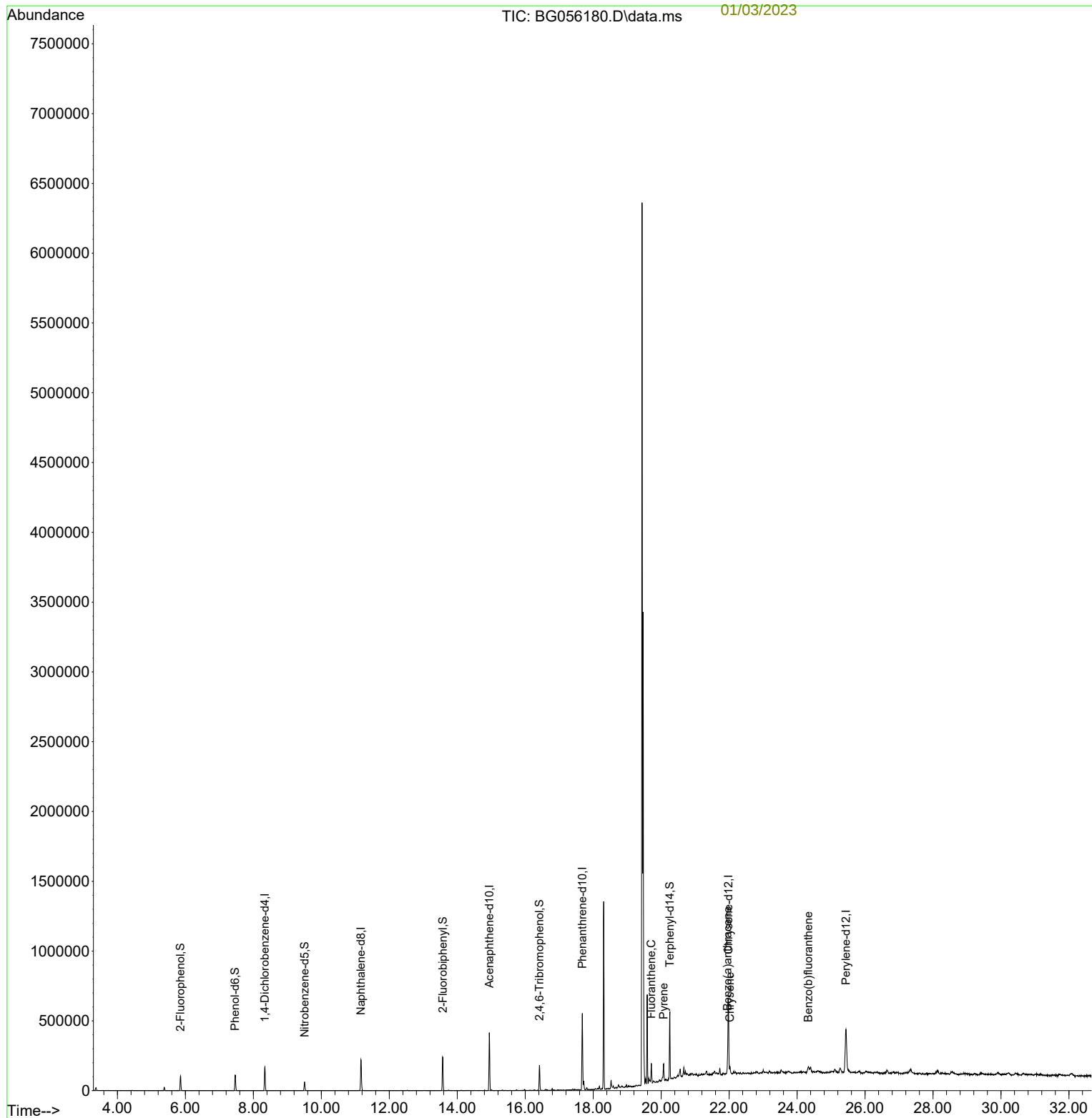
Instrument :  
BNA\_G  
ClientSampleId :  
SU-2-122922

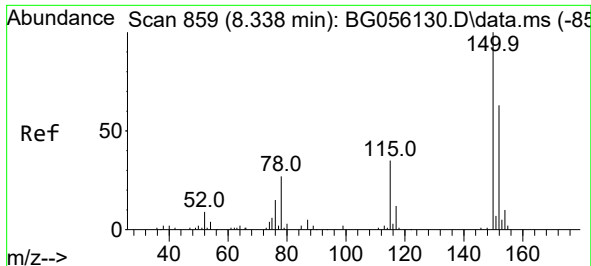
Manual Integrations  
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Supervised By :Yogesh Patel 01/03/2023

Supervised By :Yogesh  
Patel  
01/03/2023

Quant Time: Dec 31 00:21:06 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG122722.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 28 05:20:14 2022  
Response via : Initial Calibration





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.340 min Scan# 80  
Delta R.T. 0.002 min  
Lab File: BG056180.D  
Acq: 30 Dec 2022 21:21

Instrument :

BNA\_G

ClientSampleId :

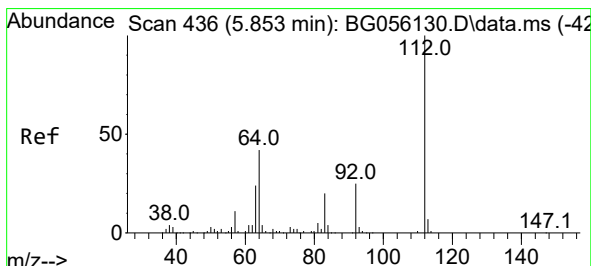
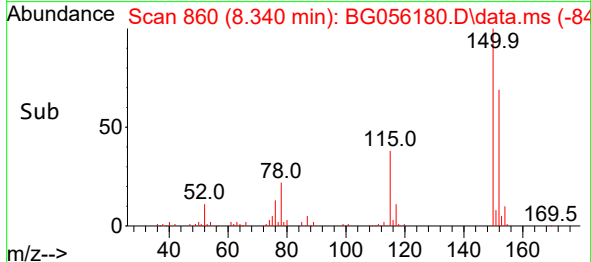
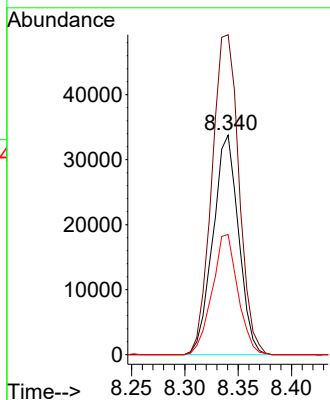
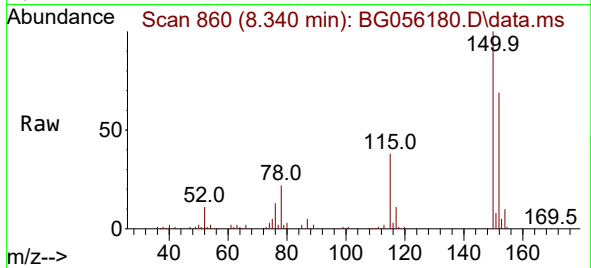
SU-2-122922

Tgt Ion:152 Resp: 56390  
Ion Ratio Lower Upper  
152 100  
150 145.8 127.9 191.9  
115 54.8 44.2 66.2

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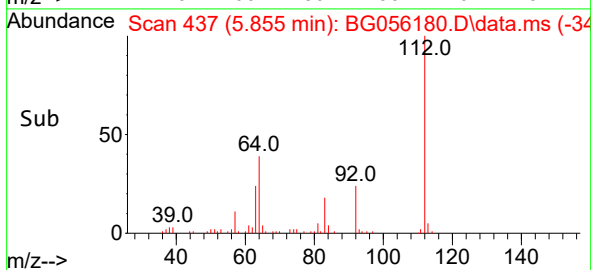
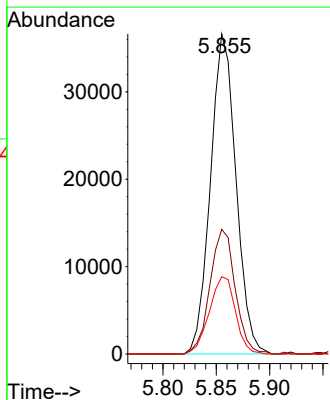
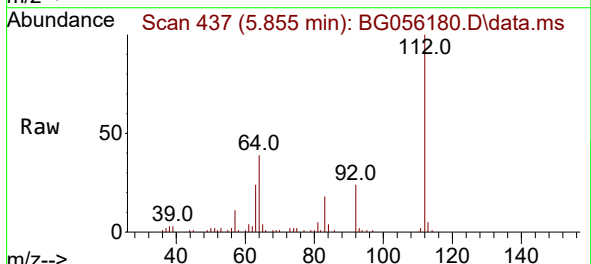
Reviewed By :Jagrut Upadhyay 01/03/2023  
Supervised By :Yogesh Patel 01/03/2023

Supervised By :Yogesh  
Patel  
01/03/2023



#5  
2-Fluorophenol  
Concen: 19.284 ng  
RT: 5.855 min Scan# 437  
Delta R.T. 0.002 min  
Lab File: BG056180.D  
Acq: 30 Dec 2022 21:21

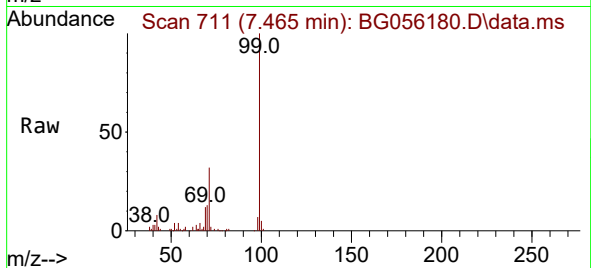
Tgt Ion:112 Resp: 60910  
Ion Ratio Lower Upper  
112 100  
64 39.0 33.3 49.9  
63 24.2 19.0 28.4





#7  
Phenol-d6  
Concen: 18.200 ng  
RT: 7.465 min Scan# 711  
Delta R.T. -0.004 min  
Lab File: BG056180.D  
Acq: 30 Dec 2022 21:21

Instrument :  
BNA\_G  
ClientSampleId :  
SU-2-122922

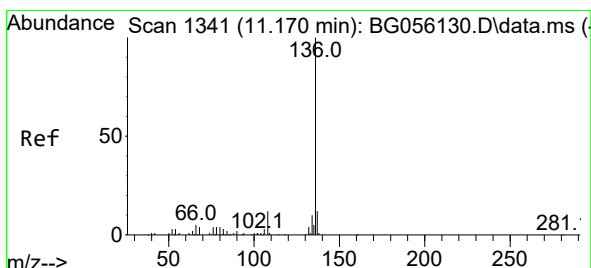
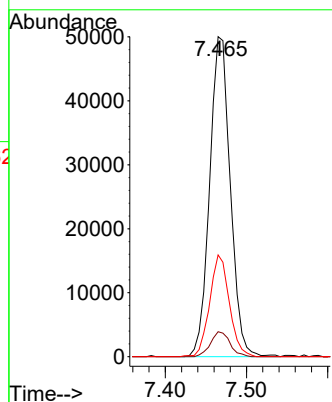


Tgt Ion: 99 Resp: 88280  
Ion Ratio Lower Upper  
99 100  
42 7.8 5.9 8.9  
71 31.8 25.4 38.2

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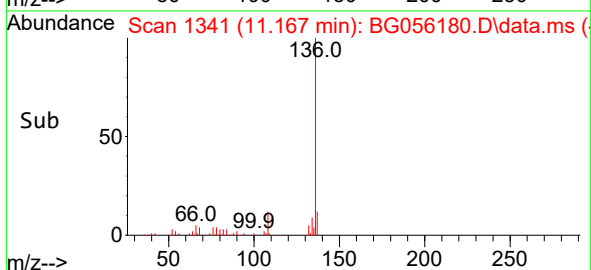
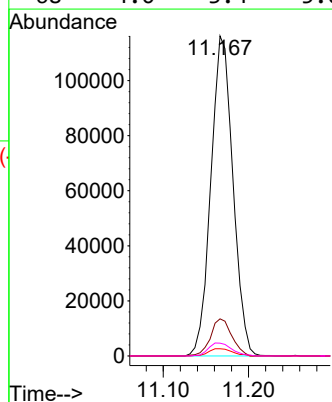
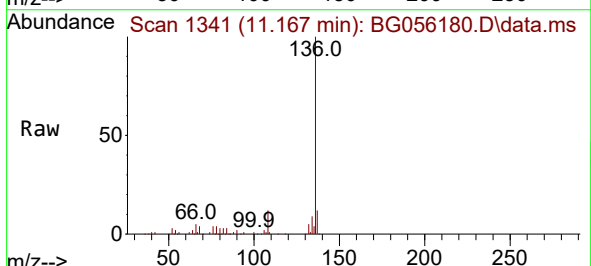
Reviewed By :Jagrut Upadhyay 01/03/2023  
Supervised By :Yogesh Patel 01/03/2023

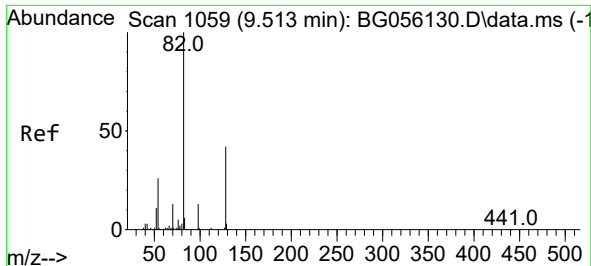
Supervised By :Yogesh  
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01/03/2023



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.167 min Scan# 1341  
Delta R.T. -0.004 min  
Lab File: BG056180.D  
Acq: 30 Dec 2022 21:21

Tgt Ion:136 Resp: 208507  
Ion Ratio Lower Upper  
136 100  
137 11.6 9.4 14.0  
54 2.3 2.2 3.2  
68 4.0 3.4 5.0





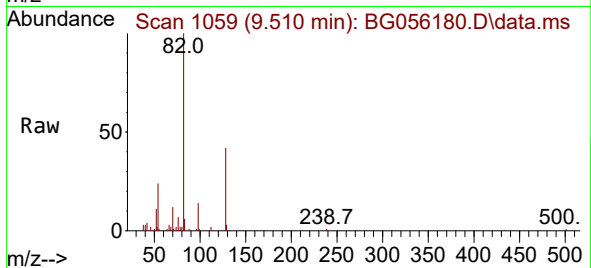
#23  
Nitrobenzene-d5  
Concen: 11.199 ng  
RT: 9.510 min Scan# 1059  
Delta R.T. -0.004 min  
Lab File: BG056180.D  
Acq: 30 Dec 2022 21:21

Instrument :

BNA\_G

ClientSampleId :

SU-2-122922

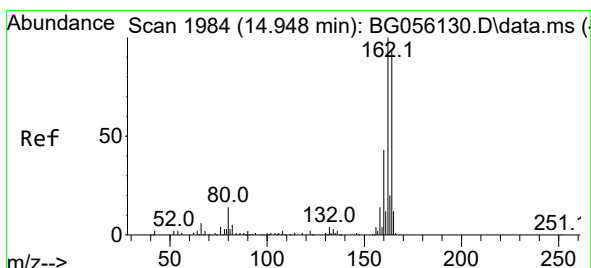
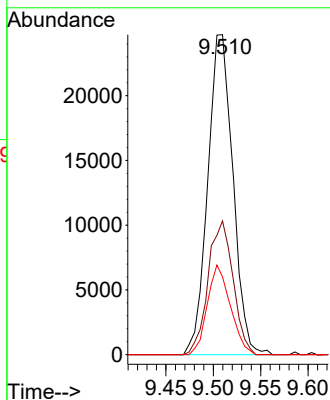
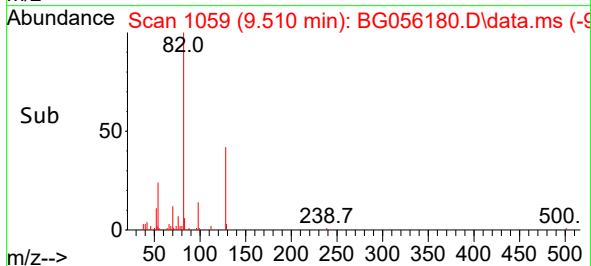


Tgt Ion: 82 Resp: 45652  
Ion Ratio Lower Upper  
82 100  
128 41.8 33.4 50.2  
54 24.3 20.3 30.5

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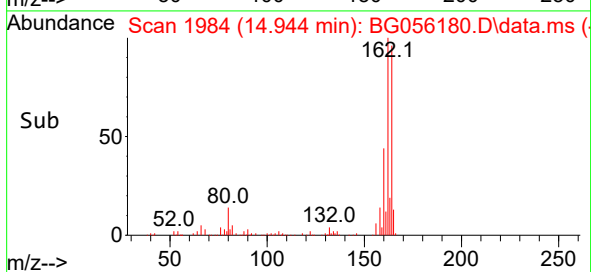
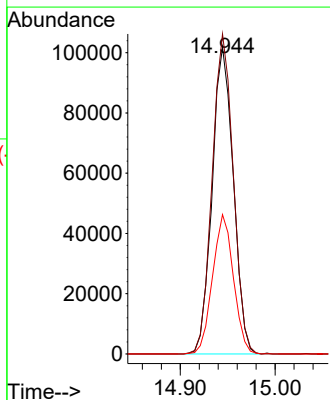
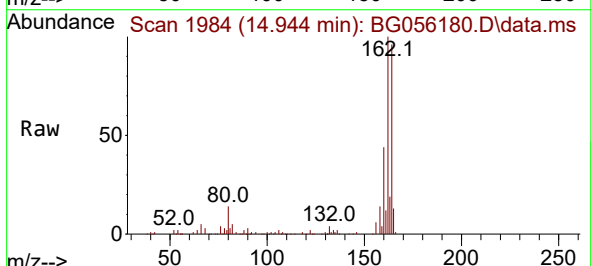
Reviewed By :Jagrut Upadhyay 01/03/2023  
Supervised By :Yogesh Patel 01/03/2023

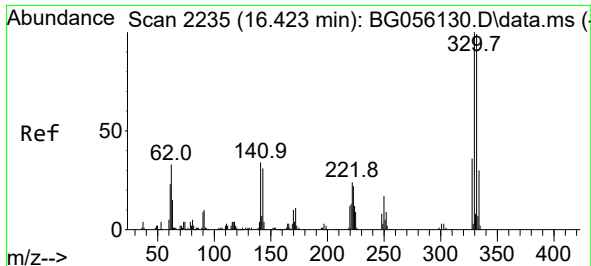
Supervised By :Yogesh  
Patel  
01/03/2023



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.944 min Scan# 1984  
Delta R.T. -0.004 min  
Lab File: BG056180.D  
Acq: 30 Dec 2022 21:21

Tgt Ion:164 Resp: 158469  
Ion Ratio Lower Upper  
164 100  
162 104.3 84.7 127.1  
160 45.4 36.3 54.5





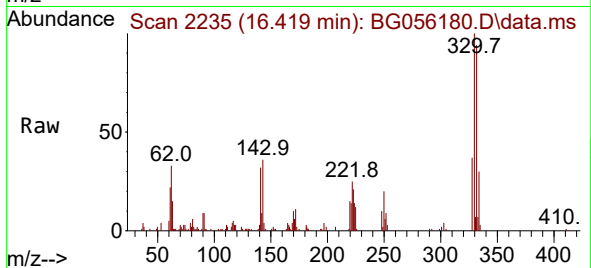
#42  
2,4,6-Tribromophenol  
Concen: 18.465 ng  
RT: 16.419 min Scan# 21  
Delta R.T. -0.004 min  
Lab File: BG056180.D  
Acq: 30 Dec 2022 21:21

Instrument :

BNA\_G

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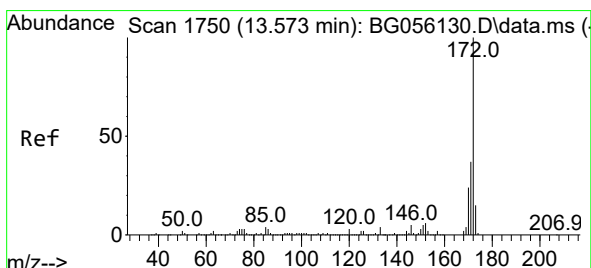
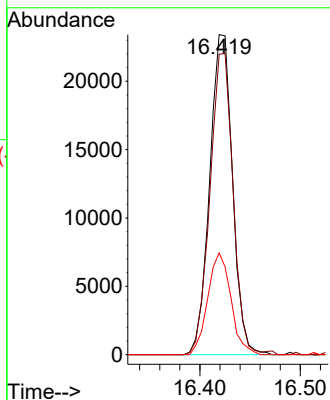
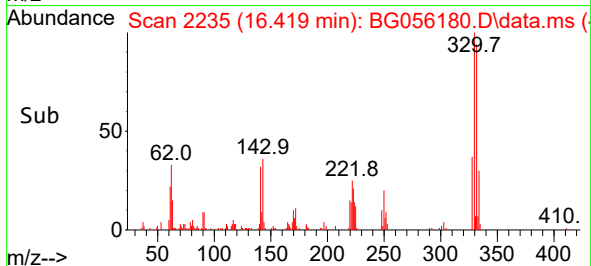
Tgt Ion:330 Resp: 37059  
Ion Ratio Lower Upper  
330 100  
332 95.2 77.3 115.9  
141 32.2 27.9 41.9

Manual Integrations

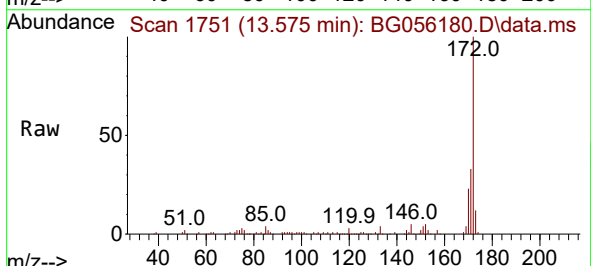
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Reviewed By :Jagrut Upadhyay 01/03/2023  
Supervised By :Yogesh Patel 01/03/2023

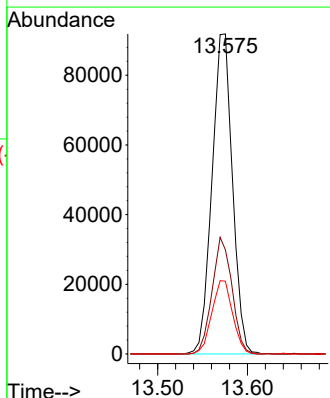
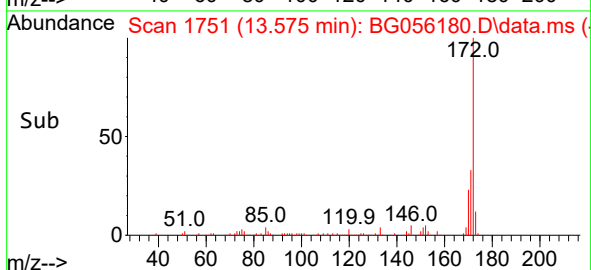
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01/03/2023

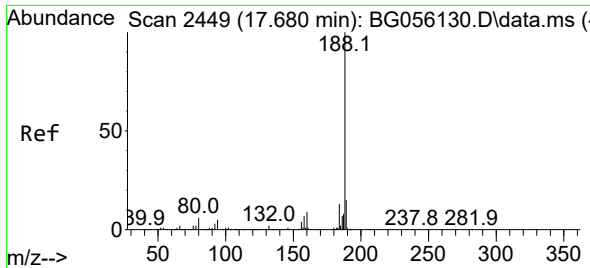


#45  
2-Fluorobiphenyl  
Concen: 12.645 ng  
RT: 13.575 min Scan# 1751  
Delta R.T. 0.002 min  
Lab File: BG056180.D  
Acq: 30 Dec 2022 21:21



Tgt Ion:172 Resp: 145109  
Ion Ratio Lower Upper  
172 100  
171 32.6 29.6 44.4  
170 22.7 19.4 29.2





#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.682 min Scan# 2449  
Delta R.T. 0.002 min  
Lab File: BG056180.D  
Acq: 30 Dec 2022 21:21

Instrument :

BNA\_G

ClientSampleId :

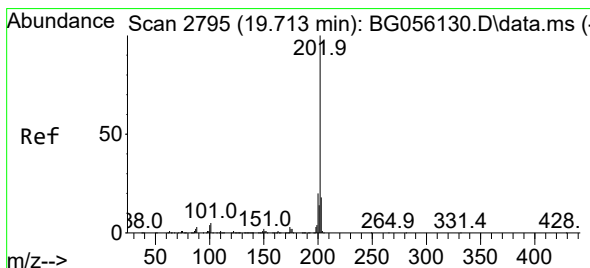
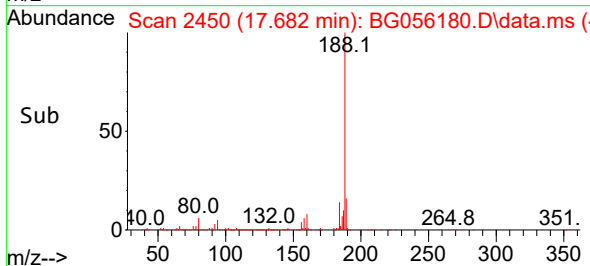
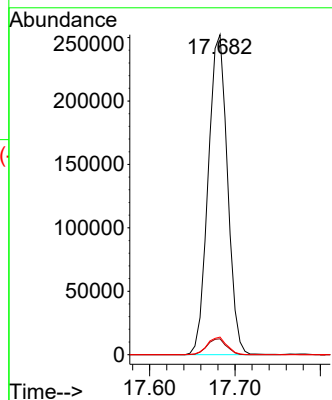
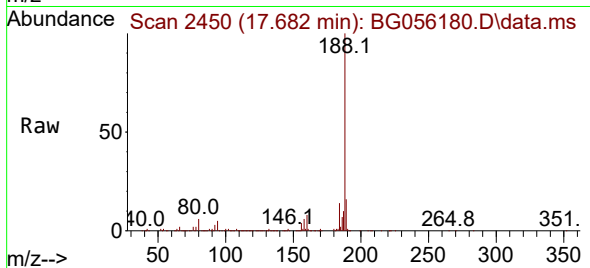
SU-2-122922

Tgt Ion:188 Resp: 396358  
Ion Ratio Lower Upper  
188 100  
94 4.9 4.2 6.2  
80 5.5 5.0 7.4

Manual Integrations  
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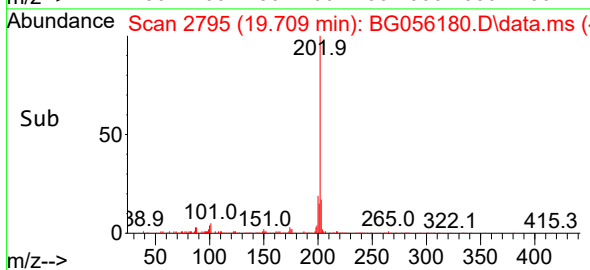
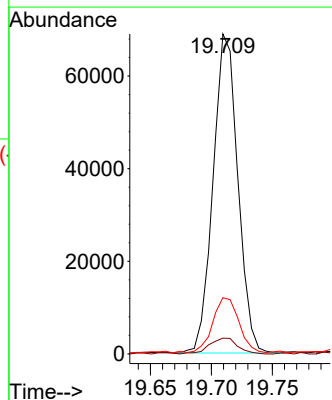
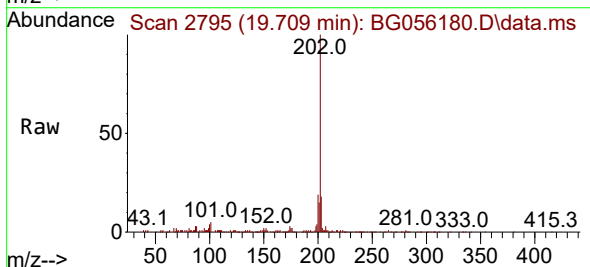
Reviewed By :Jagrut Upadhyay 01/03/2023  
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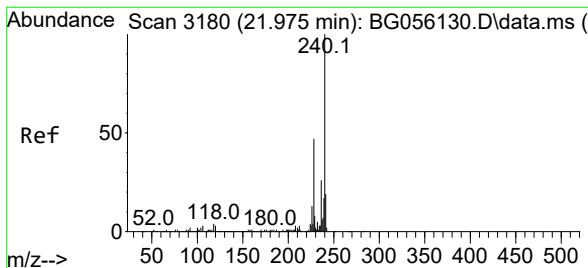
Supervised By :Yogesh  
Patel  
01/03/2023



#75  
Fluoranthene  
Concen: 3.633 ng  
RT: 19.709 min Scan# 2795  
Delta R.T. -0.004 min  
Lab File: BG056180.D  
Acq: 30 Dec 2022 21:21

Tgt Ion:202 Resp: 97340  
Ion Ratio Lower Upper  
202 100  
101 4.9 0.0 25.0  
203 17.6 0.0 38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.977 min Scan# 3181

Delta R.T. 0.002 min

Lab File: BG056180.D

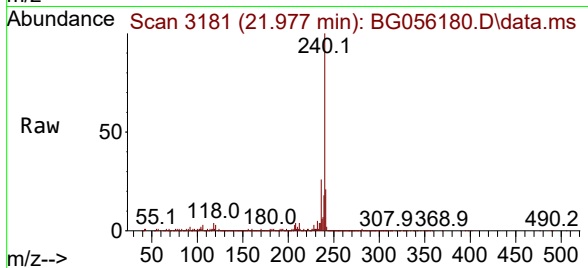
Acq: 30 Dec 2022 21:21

Instrument :

BNA\_G

ClientSampleId :

SU-2-122922



Tgt Ion:240 Resp: 367214

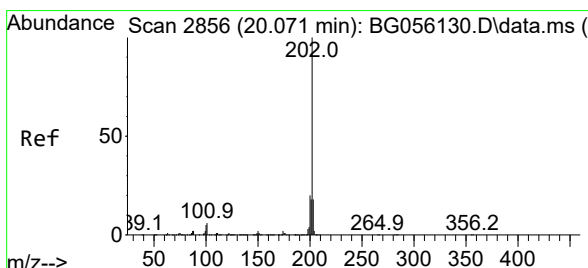
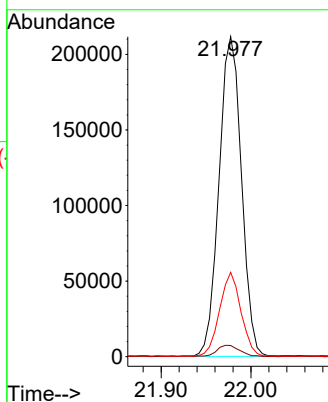
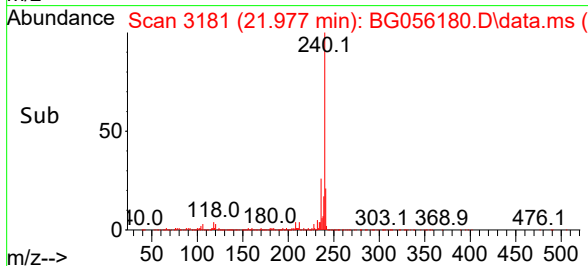
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 240 | 100   |       |       |
| 120 | 3.5   | 2.6   | 4.0   |
| 236 | 26.4  | 20.8  | 31.2  |

Manual Integrations

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Supervised By :Yogesh  
Patel  
01/03/2023



#78

Pyrene

Concen: 3.457 ng

RT: 20.074 min Scan# 2857

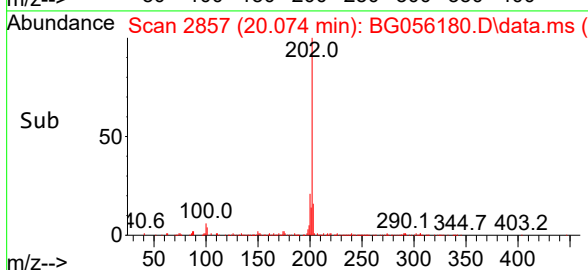
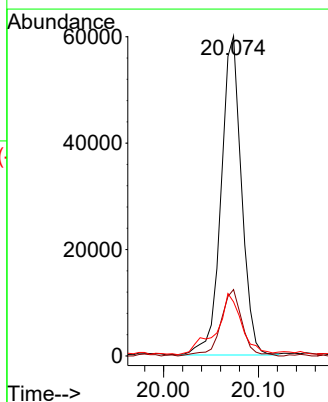
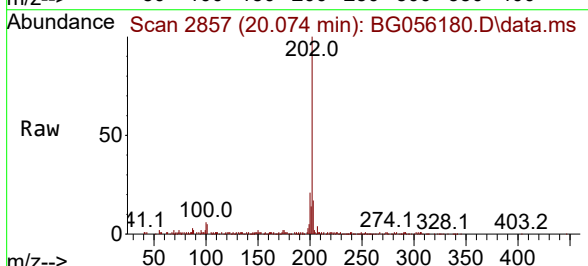
Delta R.T. 0.002 min

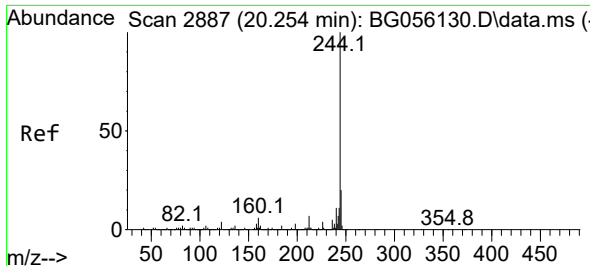
Lab File: BG056180.D

Acq: 30 Dec 2022 21:21

Tgt Ion:202 Resp: 89486

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 200 | 20.8  | 16.4  | 24.6  |
| 203 | 16.9  | 14.3  | 21.5  |





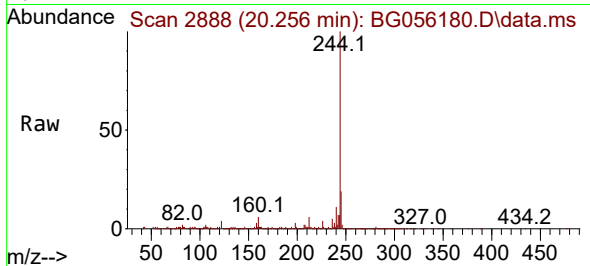
#79  
 Terphenyl-d14  
 Concen: 12.784 ng  
 RT: 20.256 min Scan# 21  
 Delta R.T. 0.002 min  
 Lab File: BG056180.D  
 Acq: 30 Dec 2022 21:21

Instrument :

BNA\_G

ClientSampleId :

SU-2-122922



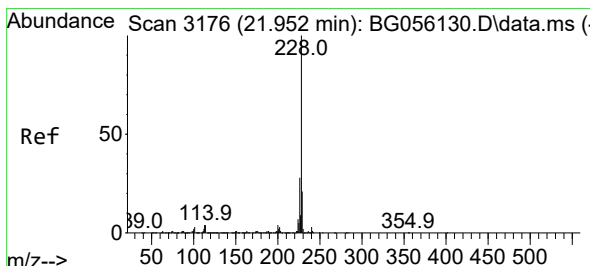
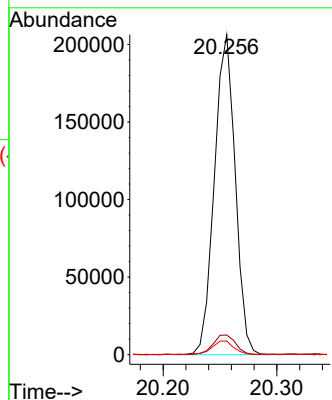
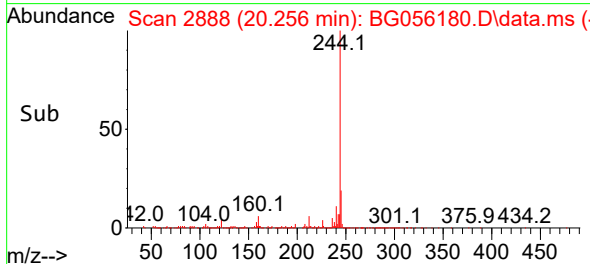
Tgt Ion:244 Resp: 262110  
 Ion Ratio Lower Upper  
 244 100  
 212 6.1 5.7 8.5  
 122 4.2 3.5 5.3

Manual Integrations

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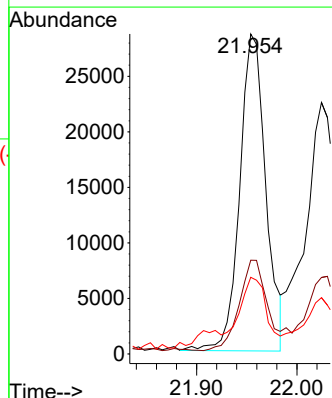
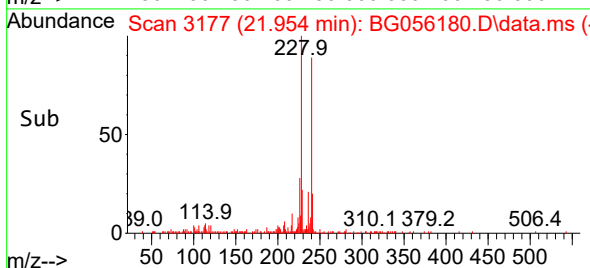
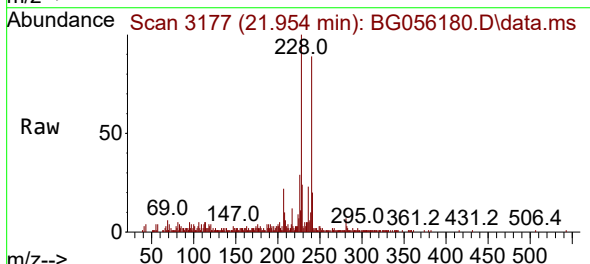
Reviewed By :Jagrut Upadhyay 01/03/2023  
 Supervised By :Yogesh Patel 01/03/2023

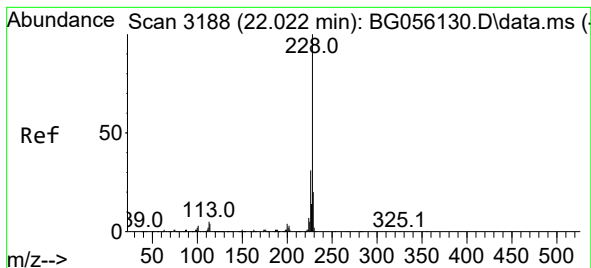
Supervised By :Yogesh  
 Patel  
 01/03/2023



#81  
 Benzo(a)anthracene  
 Concen: 2.001 ng  
 RT: 21.954 min Scan# 3177  
 Delta R.T. 0.002 min  
 Lab File: BG056180.D  
 Acq: 30 Dec 2022 21:21

Tgt Ion:228 Resp: 51611  
 Ion Ratio Lower Upper  
 228 100  
 226 29.3 22.6 34.0  
 229 24.0 16.9 25.3





#83

Chrysene

Concen: 2.041 ng m

RT: 22.024 min Scan# 31

Delta R.T. 0.002 min

Lab File: BG056180.D

Acq: 30 Dec 2022 21:21

Instrument :

BNA\_G

ClientSampleId :

SU-2-122922

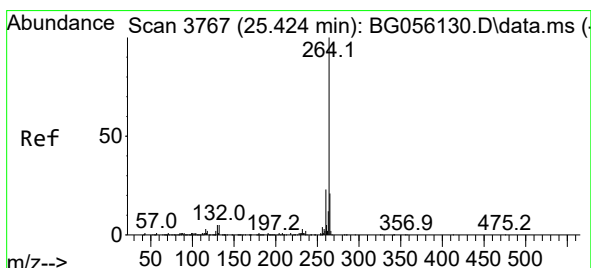
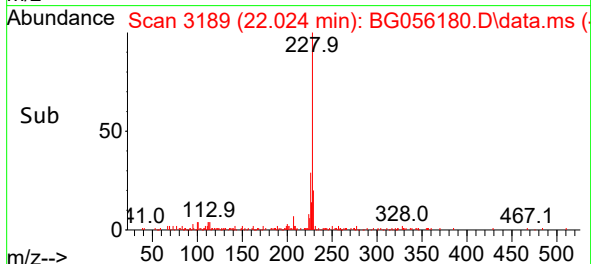
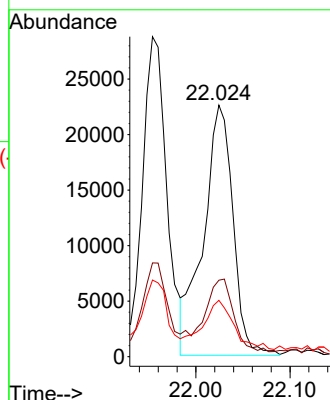
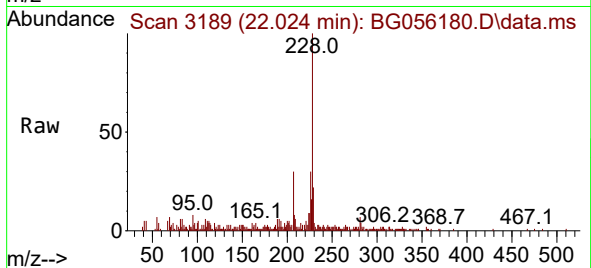
|             |             |
|-------------|-------------|
| Tgt Ion:228 | Resp: 49314 |
| Ion Ratio   | Lower Upper |
| 228 100     |             |
| 226 30.4    | 24.6 36.8   |
| 229 22.4    | 15.8 23.6   |

Manual Integrations

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Supervised By :Yogesh Patel 01/03/2023

Supervised By :Yogesh  
Patel  
01/03/2023



#86

Perylene-d12

Concen: 20.000 ng

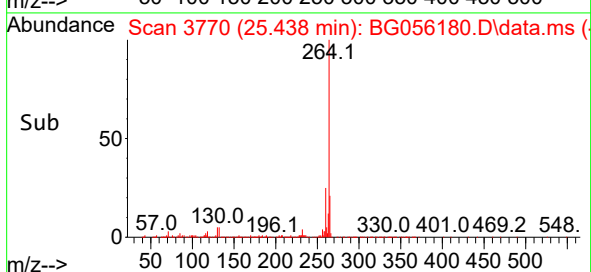
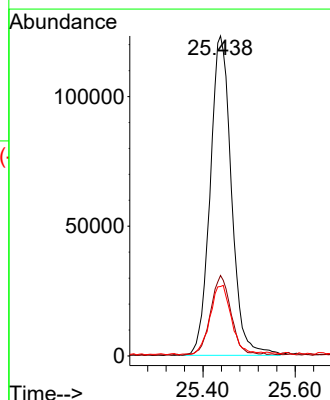
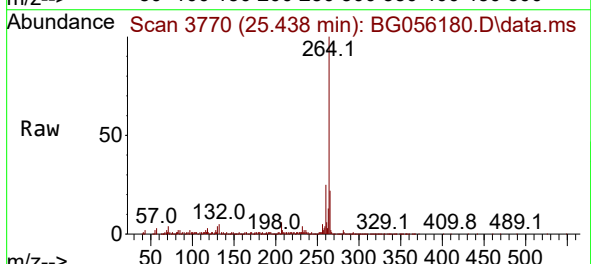
RT: 25.438 min Scan# 3770

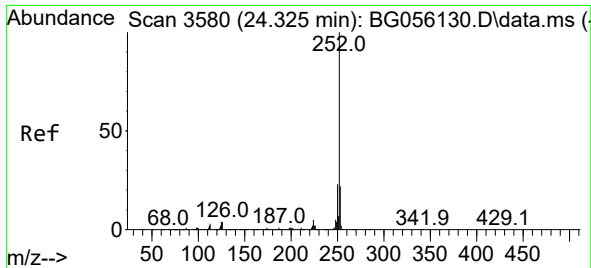
Delta R.T. 0.014 min

Lab File: BG056180.D

Acq: 30 Dec 2022 21:21

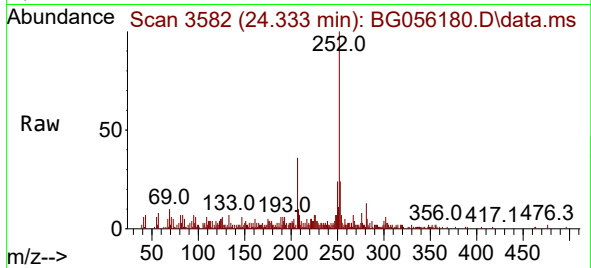
|             |              |
|-------------|--------------|
| Tgt Ion:264 | Resp: 394369 |
| Ion Ratio   | Lower Upper  |
| 264 100     |              |
| 260 25.2    | 18.6 28.0    |
| 265 21.7    | 16.7 25.1    |





#88  
Benzo(b)fluoranthene  
Concen: 2.774 ng  
RT: 24.333 min Scan# 31  
Delta R.T. 0.008 min  
Lab File: BG056180.D  
Acq: 30 Dec 2022 21:21

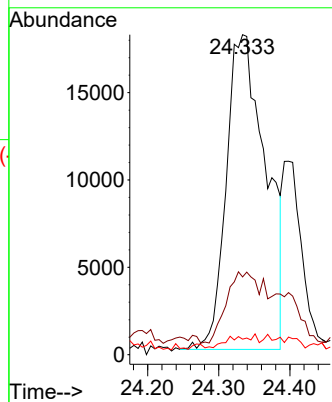
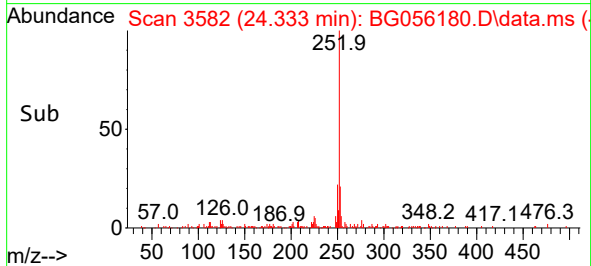
Instrument :  
BNA\_G  
ClientSampleId :  
SU-2-122922



Tgt Ion: 252 Resp: 69508  
Ion Ratio Lower Upper  
252 100  
253 24.3 17.4 26.2  
125 4.9 3.0 4.4

Manual Integrations  
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Supervised By :Yogesh Patel 01/03/2023



Supervised By :Yogesh  
Patel  
01/03/2023