

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG032122\  
 Data File : BG052769.D  
 Acq On : 21 Mar 2022 15:52  
 Operator : CG/JU  
 Sample : N1708-18 20X  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PPSP-B10-25.5-26.0

Quant Time: Mar 21 16:27:53 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG031522.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Mar 15 15:56:10 2022  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By :Christian Giraldo 03/22/2022  
 Supervised By :Jagrut Upadhyay 03/22/2022

| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 8.140  | 152  | 53941    | 20.000 | ng    | -0.02    |
| 21) Naphthalene-d8          | 10.960 | 136  | 204647   | 20.000 | ng    | #-0.01   |
| 39) Acenaphthene-d10        | 14.766 | 164  | 134852   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.510 | 188  | 289775   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12            | 21.792 | 240  | 329364   | 20.000 | ng    | -0.02    |
| 86) Perylene-d12            | 25.111 | 264  | 361388   | 20.000 | ng    | -0.03    |
|                             |        |      |          |        |       |          |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.702  | 112  | 16121    | 5.205  | ng    | 0.00     |
| 7) Phenol-d6                | 7.288  | 99   | 24599    | 5.268  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.297  | 82   | 26014m   | 6.380  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 16.241 | 330  | 5801     | 3.201  | ng    | -0.02    |
| 45) 2-Fluorobiphenyl        | 13.392 | 172  | 36741    | 4.018  | ng    | -0.01    |
| 79) Terphenyl-d14           | 20.106 | 244  | 63512    | 3.430  | ng    | -0.02    |
|                             |        |      |          |        |       |          |
| Target Compounds            |        |      |          |        |       | Qvalue   |
| 31) Naphthalene             | 11.007 | 128  | 187443   | 17.712 | ng    | 97       |
| 37) 2-Methylnaphthalene     | 12.611 | 142  | 452882   | 58.436 | ng    | 96       |
| 38) 1-Methylnaphthalene     | 12.822 | 142  | 263464   | 34.832 | ng    | # 95     |
| 46) 1,1'-Biphenyl           | 13.603 | 154  | 76507    | 8.113  | ng    | 98       |
| 52) Acenaphthene            | 14.831 | 154  | 18557    | 2.447  | ng    | # 71     |
| 58) Fluorene                | 15.806 | 166  | 61697    | 6.111  | ng    | # 90     |
| 71) Phenanthrene            | 17.551 | 178  | 173998   | 11.224 | ng    | 96       |
| -----                       |        |      |          |        |       |          |

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

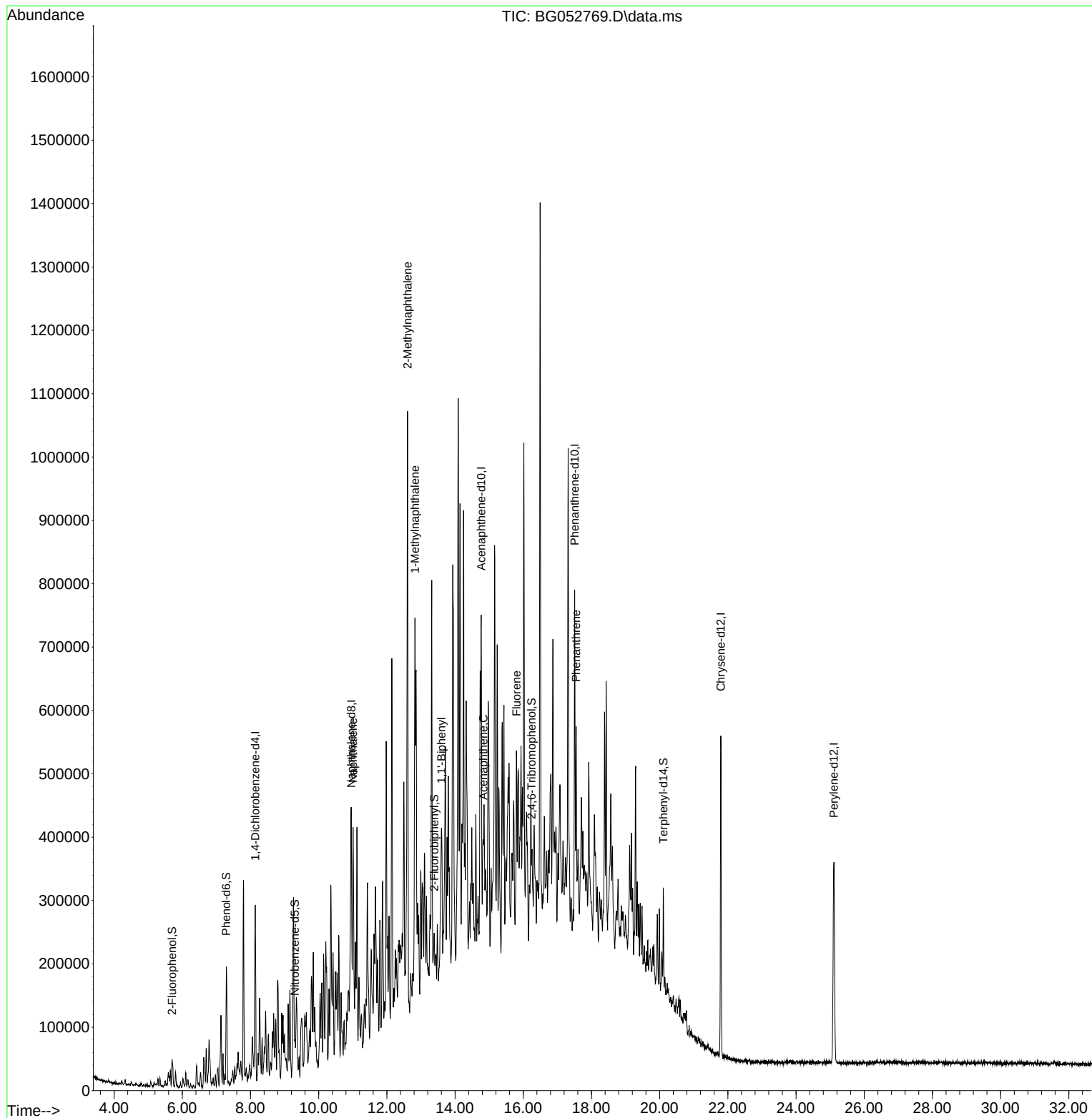
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG032122\  
Data File : BG052769.D  
Acq On : 21 Mar 2022 15:52  
Operator : CG/JU  
Sample : N1708-18 20X  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

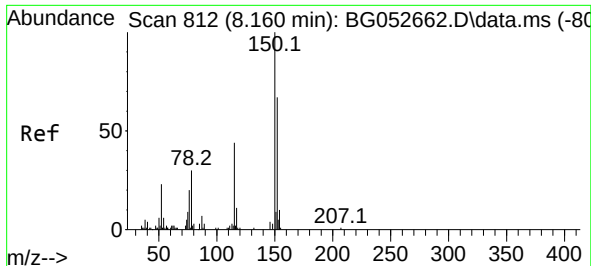
Instrument :  
BNA\_G  
ClientSampleId :  
PPSP-B10-25.5-26.0

Quant Time: Mar 21 16:27:53 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG031522.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Mar 15 15:56:10 2022  
Response via : Initial Calibration

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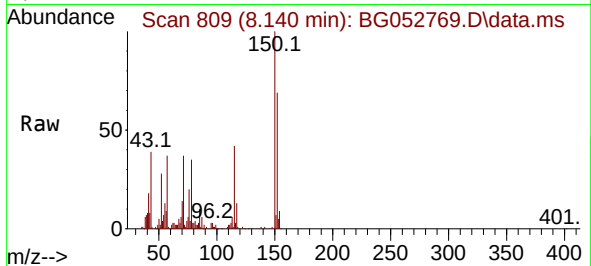
Reviewed By :Christian Giraldo 03/22/2022  
Supervised By :Jagrut Upadhyay 03/22/2022





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.140 min Scan# 809  
Delta R.T. -0.020 min  
Lab File: BG052769.D  
Acq: 21 Mar 2022 15:52

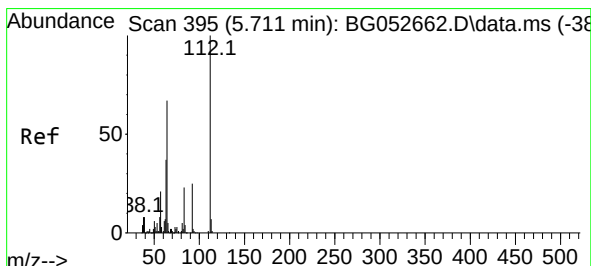
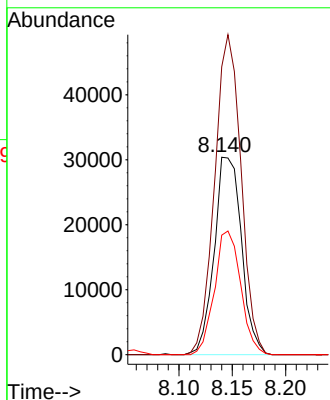
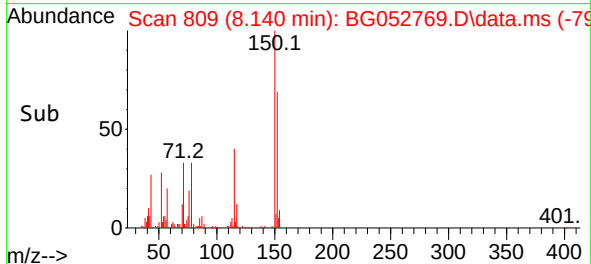
Instrument :  
BNA\_G  
ClientSampleId :  
PPSP-B10-25.5-26.0



Tgt Ion:152 Resp: 5394  
Ion Ratio Lower Upper  
152 100  
150 145.8 114.6 172.0  
115 60.6 45.9 68.9

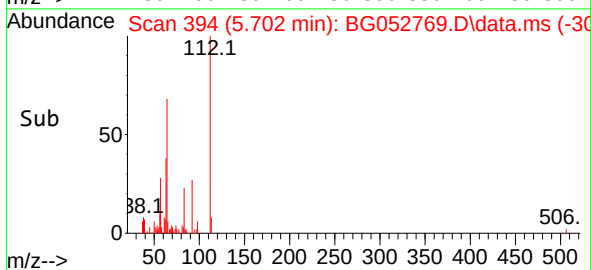
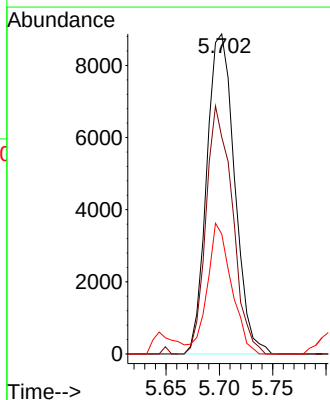
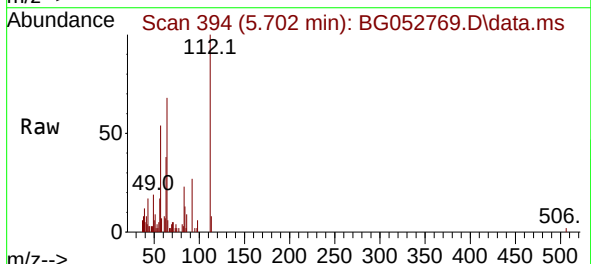
Manual Integrations  
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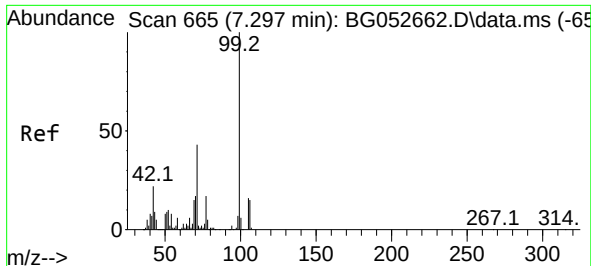
Reviewed By :Christian Giraldo 03/22/2022  
Supervised By :Jagrut Upadhyay 03/22/2022



#5  
2-Fluorophenol  
Concen: 5.205 ng  
RT: 5.702 min Scan# 394  
Delta R.T. -0.009 min  
Lab File: BG052769.D  
Acq: 21 Mar 2022 15:52

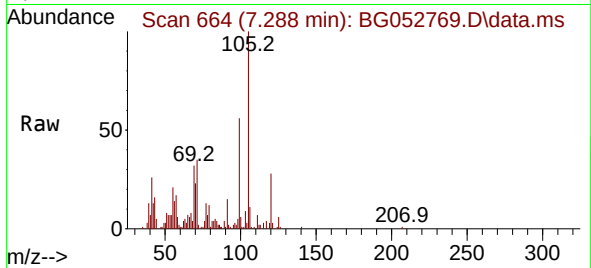
Tgt Ion:112 Resp: 16121  
Ion Ratio Lower Upper  
112 100  
64 67.8 48.0 72.0  
63 37.5 26.5 39.7





#7  
Phenol-d6  
Concen: 5.268 ng  
RT: 7.288 min Scan# 60  
Delta R.T. -0.009 min  
Lab File: BG052769.D  
Acq: 21 Mar 2022 15:52

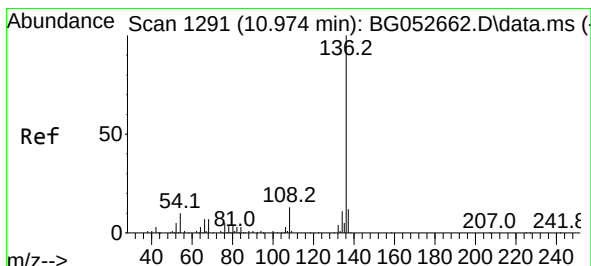
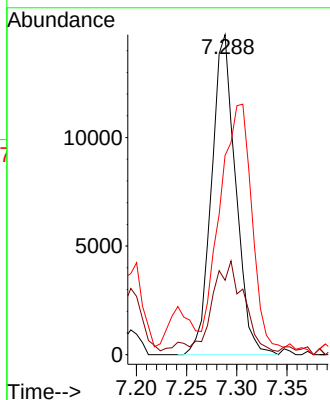
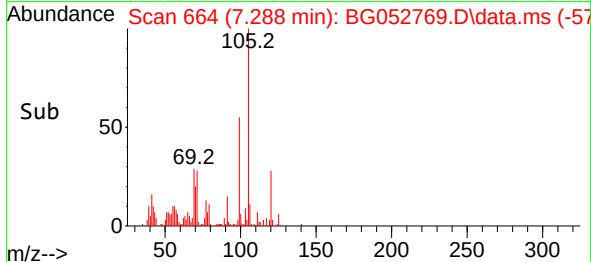
Instrument :  
BNA\_G  
ClientSampleId :  
PPSP-B10-25.5-26.0



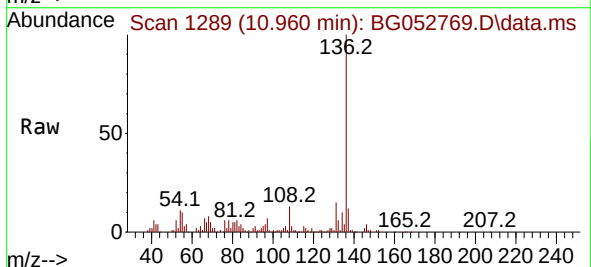
Tgt Ion: 99 Resp: 2459  
Ion Ratio Lower Upper  
99 100  
42 23.3 14.7 22.1  
71 62.3 29.2 43.8

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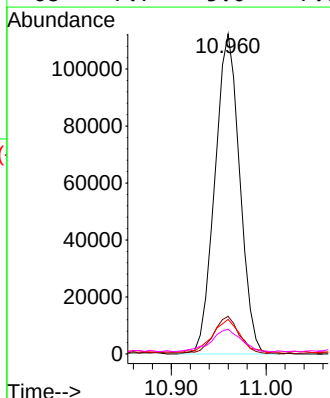
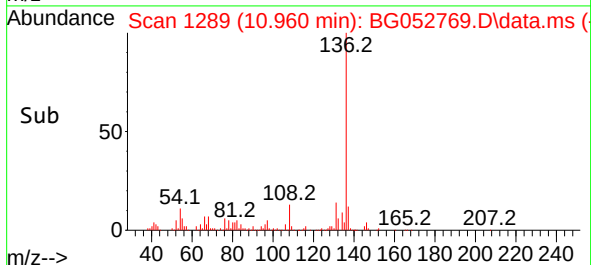
Reviewed By :Christian Giraldo 03/22/2022  
Supervised By :Jagrut Upadhyay 03/22/2022

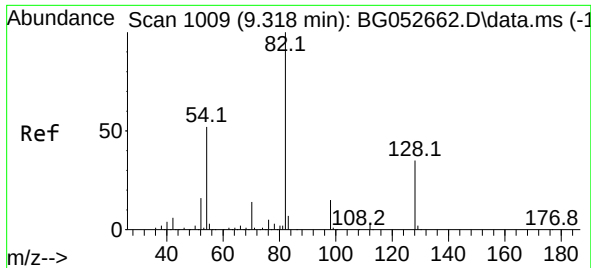


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.960 min Scan# 1289  
Delta R.T. -0.014 min  
Lab File: BG052769.D  
Acq: 21 Mar 2022 15:52



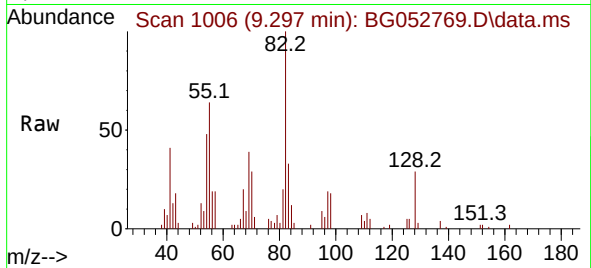
Tgt Ion:136 Resp: 204647  
Ion Ratio Lower Upper  
136 100  
137 11.7 9.4 14.2  
54 10.8 6.4 9.6#  
68 7.7 5.0 7.6#





#23  
Nitrobenzene-d5  
Concen: 6.380 ng m  
RT: 9.297 min Scan# 1006  
Delta R.T. -0.020 min  
Lab File: BG052769.D  
Acq: 21 Mar 2022 15:52

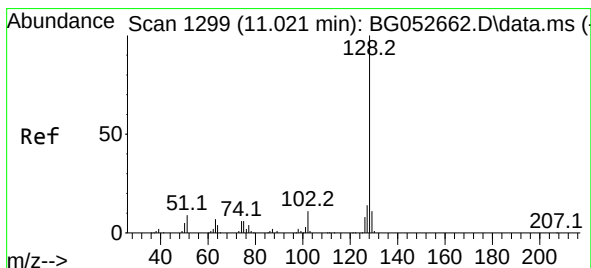
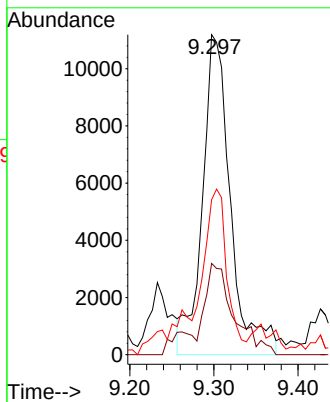
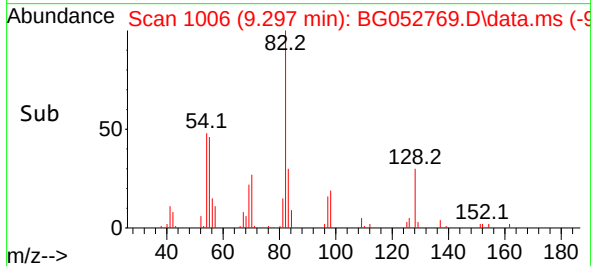
Instrument :  
BNA\_G  
ClientSampleId :  
PPSP-B10-25.5-26.0



Tgt Ion: 82 Resp: 26014  
Ion Ratio Lower Upper  
82 100  
128 28.5 31.3 46.9  
54 48.4 37.8 56.8

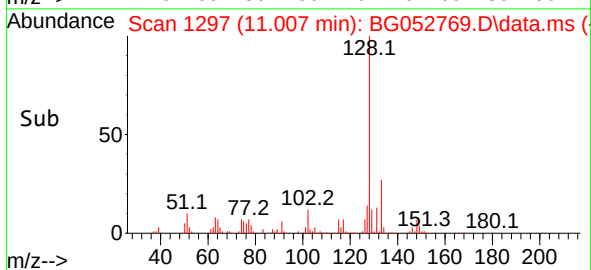
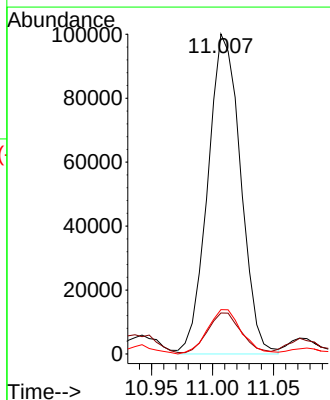
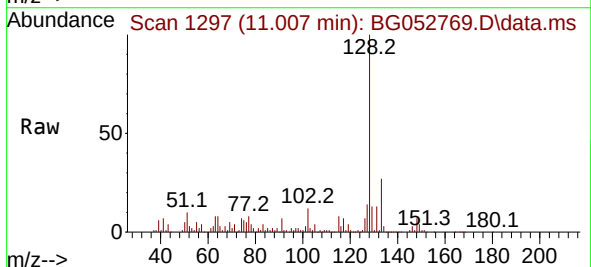
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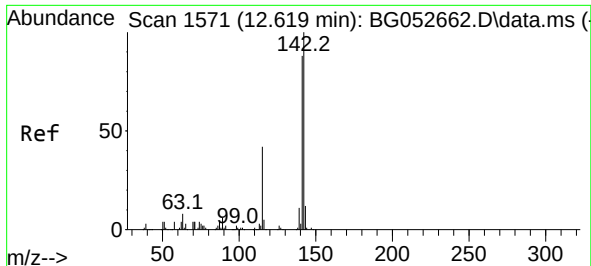
Reviewed By :Christian Giraldo 03/22/2022  
Supervised By :Jagrut Upadhyay 03/22/2022



#31  
Naphthalene  
Concen: 17.712 ng  
RT: 11.007 min Scan# 1297  
Delta R.T. -0.015 min  
Lab File: BG052769.D  
Acq: 21 Mar 2022 15:52

Tgt Ion:128 Resp: 187443  
Ion Ratio Lower Upper  
128 100  
129 12.8 8.8 13.2  
127 13.9 10.5 15.7





#37

2-Methylnaphthalene

Concen: 58.436 ng

RT: 12.611 min Scan# 1

Delta R.T. -0.009 min

Lab File: BG052769.D

Acq: 21 Mar 2022 15:52

Instrument :

BNA\_G

ClientSampleId :

PPSP-B10-25.5-26.0

Tgt Ion:142 Resp: 45288

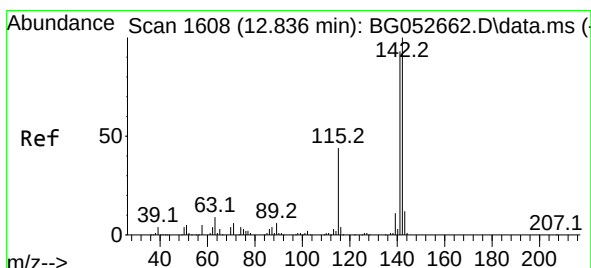
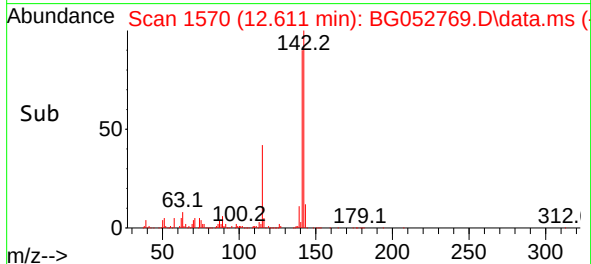
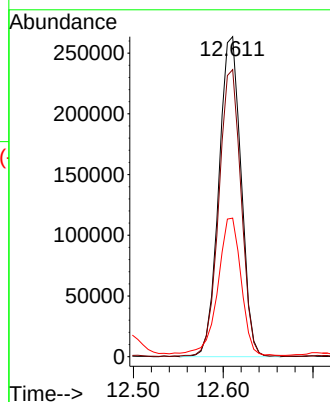
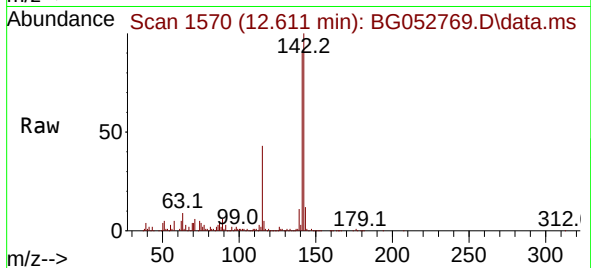
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 142 | 100   |       |       |
| 141 | 89.7  | 71.3  | 106.9 |
| 115 | 43.3  | 29.5  | 44.3  |

Manual Integrations

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Reviewed By :Christian Giraldo 03/22/2022

Supervised By :Jagrut Upadhyay 03/22/2022



#38

1-Methylnaphthalene

Concen: 34.832 ng

RT: 12.822 min Scan# 1606

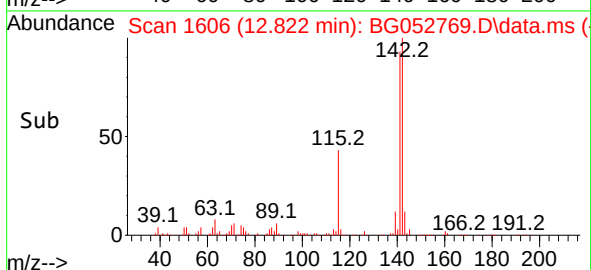
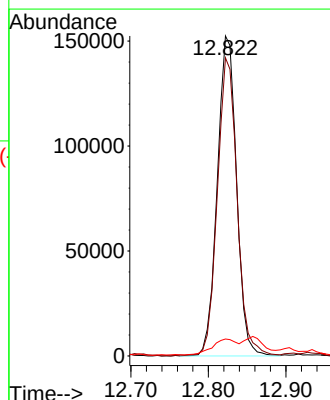
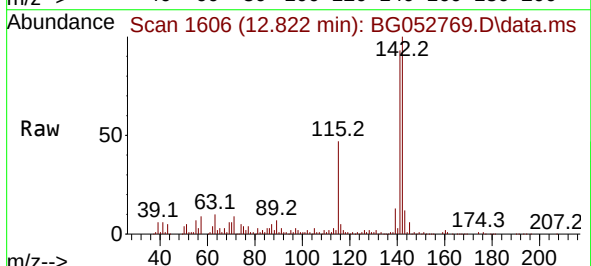
Delta R.T. -0.014 min

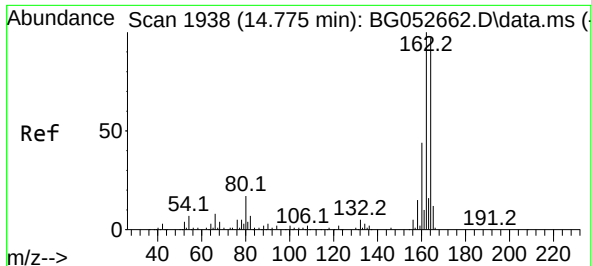
Lab File: BG052769.D

Acq: 21 Mar 2022 15:52

Tgt Ion:142 Resp: 263464

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 142 | 100   |       |       |
| 141 | 93.2  | 70.5  | 105.7 |
| 116 | 5.3   | 3.1   | 4.7   |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.766 min Scan# 1938

Delta R.T. -0.009 min

Lab File: BG052769.D

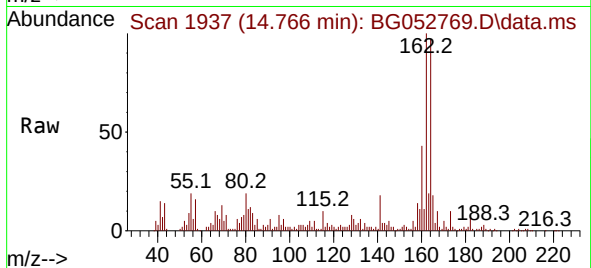
Acq: 21 Mar 2022 15:52

Instrument :

BNA\_G

ClientSampleId :

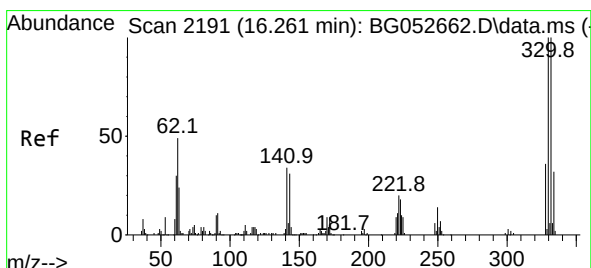
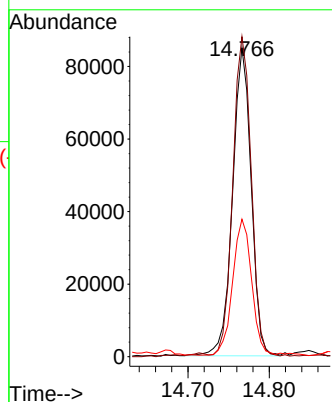
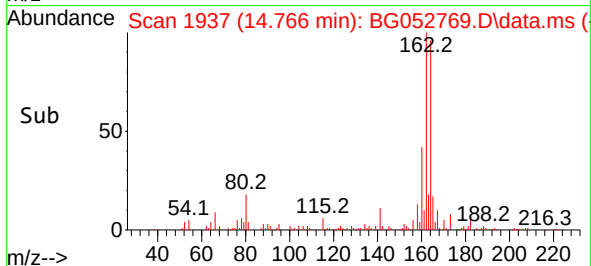
PPSP-B10-25.5-26.0



| Tgt Ion:  | 164   | Resp: | 13485 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 162       | 103.6 | 80.0  | 120.0 |
| 160       | 44.5  | 38.8  | 58.2  |

Manual Integrations  
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Supervised By :Jagrut Upadhyay 03/22/2022



#42

2,4,6-Tribromophenol

Concen: 3.201 ng

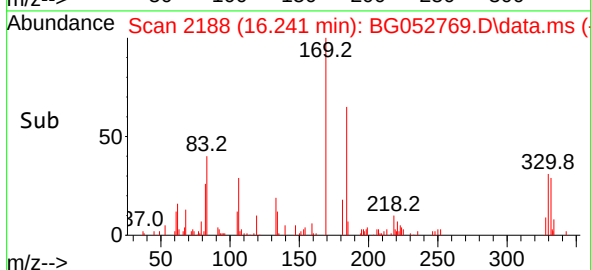
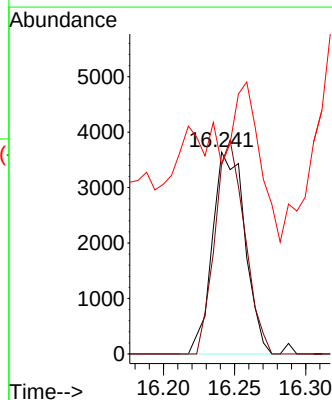
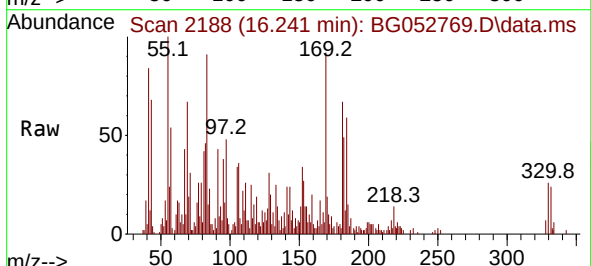
RT: 16.241 min Scan# 2188

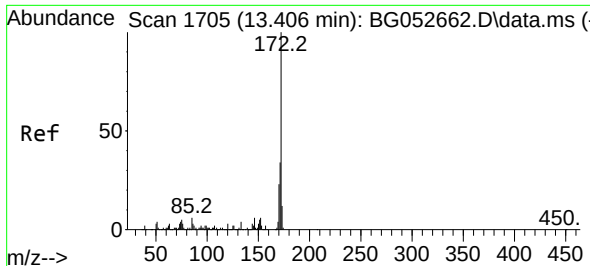
Delta R.T. -0.020 min

Lab File: BG052769.D

Acq: 21 Mar 2022 15:52

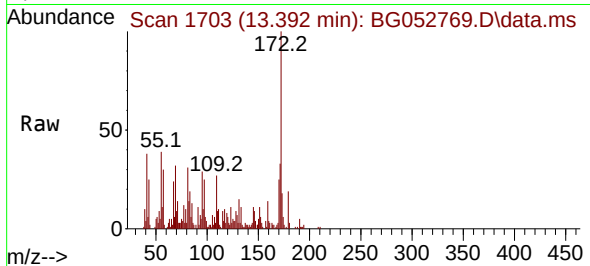
| Tgt Ion:  | 330   | Resp: | 5801  |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 330       | 100   |       |       |
| 332       | 97.3  | 75.8  | 113.6 |
| 141       | 68.3  | 24.6  | 36.8  |





#45  
2-Fluorobiphenyl  
Concen: 4.018 ng  
RT: 13.392 min Scan# 1705  
Delta R.T. -0.015 min  
Lab File: BG052769.D  
Acq: 21 Mar 2022 15:52

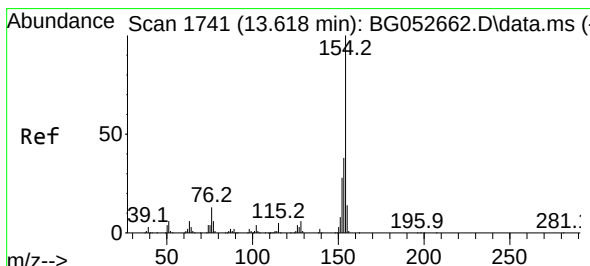
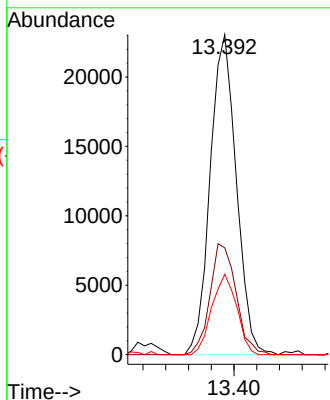
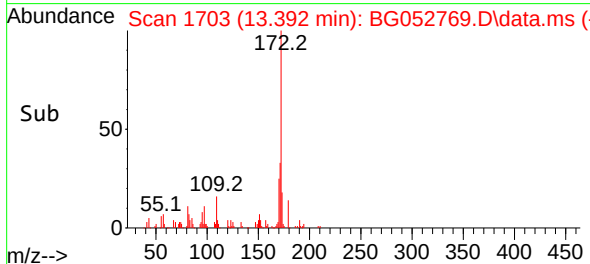
Instrument :  
BNA\_G  
ClientSampleId :  
PPSP-B10-25.5-26.0



Tgt Ion:172 Resp: 3674  
Ion Ratio Lower Upper  
172 100  
171 33.4 28.3 42.5  
170 25.1 18.0 27.0

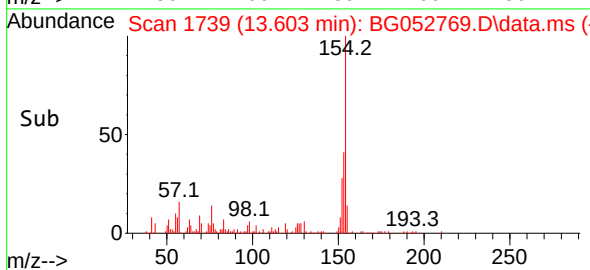
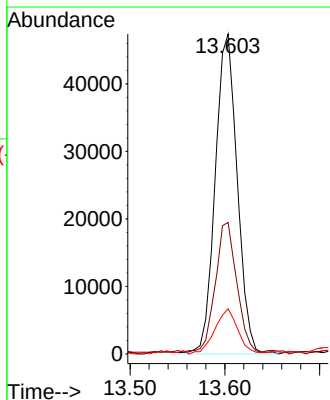
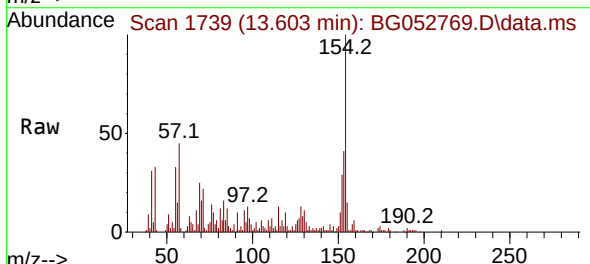
Manual Integrations  
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Supervised By :Jagrut Upadhyay 03/22/2022

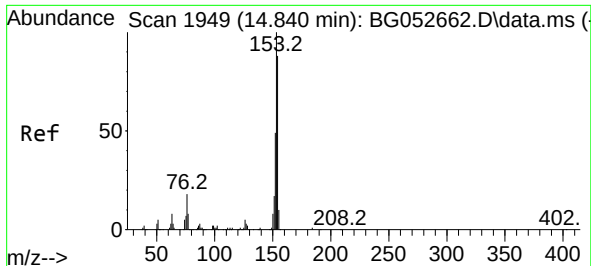


#46  
1,1'-Biphenyl  
Concen: 8.113 ng  
RT: 13.603 min Scan# 1739  
Delta R.T. -0.014 min  
Lab File: BG052769.D  
Acq: 21 Mar 2022 15:52

Tgt Ion:154 Resp: 76507  
Ion Ratio Lower Upper  
154 100  
153 41.1 21.6 61.6  
76 14.1 0.0 31.5

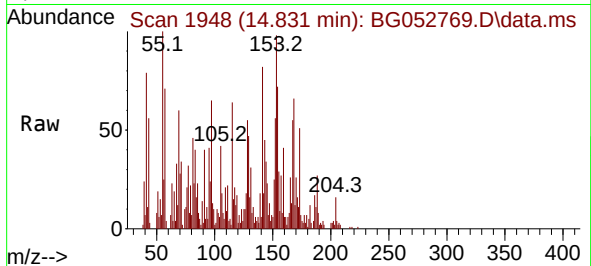






#52  
Acenaphthene  
Concen: 2.447 ng  
RT: 14.831 min Scan# 1948  
Delta R.T. -0.009 min  
Lab File: BG052769.D  
Acq: 21 Mar 2022 15:52

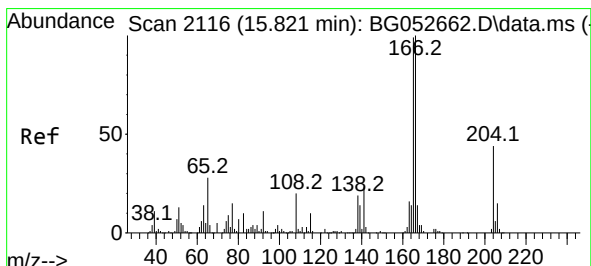
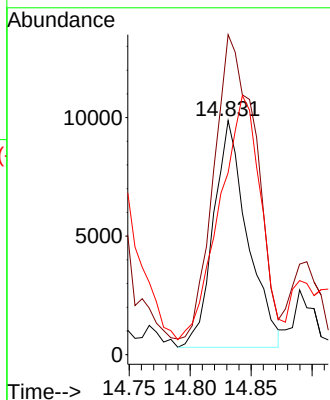
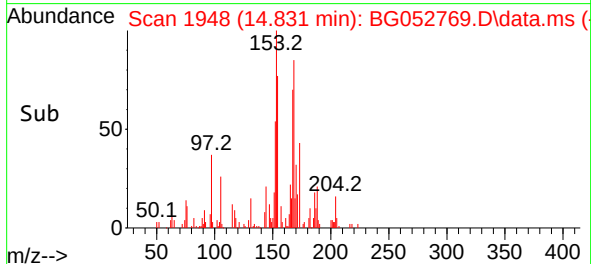
Instrument :  
BNA\_G  
ClientSampleId :  
PPSP-B10-25.5-26.0



Tgt Ion:154 Resp: 1855  
Ion Ratio Lower Upper  
154 100  
153 136.7 89.0 133.4  
152 77.7 40.5 60.7

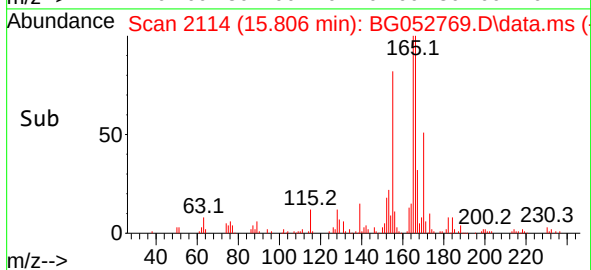
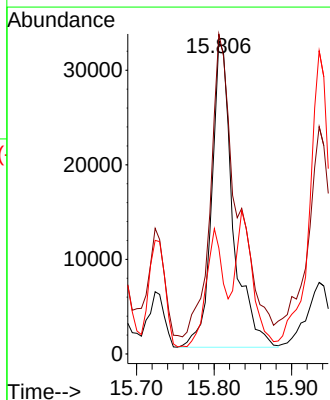
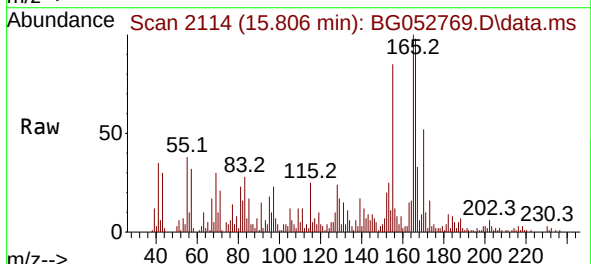
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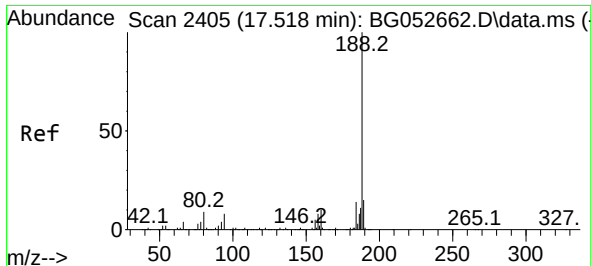
Reviewed By :Christian Giraldo 03/22/2022  
Supervised By :Jagrut Upadhyay 03/22/2022



#58  
Fluorene  
Concen: 6.111 ng  
RT: 15.806 min Scan# 2114  
Delta R.T. -0.015 min  
Lab File: BG052769.D  
Acq: 21 Mar 2022 15:52

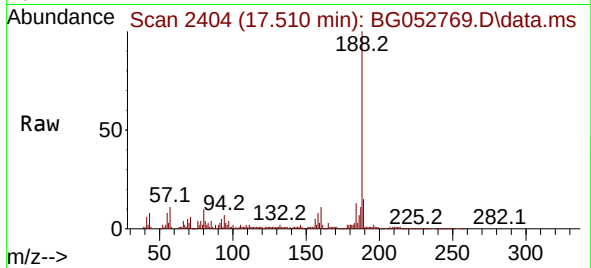
Tgt Ion:166 Resp: 61697  
Ion Ratio Lower Upper  
166 100  
165 102.1 78.6 117.8  
167 33.8 10.9 16.3





#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.510 min Scan# 2405  
Delta R.T. -0.009 min  
Lab File: BG052769.D  
Acq: 21 Mar 2022 15:52

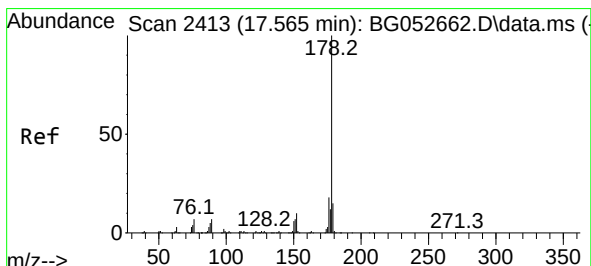
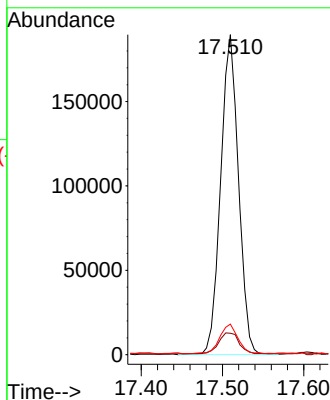
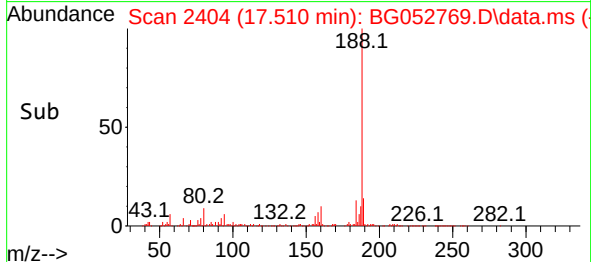
Instrument :  
BNA\_G  
ClientSampleId :  
PPSP-B10-25.5-26.0



Tgt Ion:188 Resp: 289775  
Ion Ratio Lower Upper  
188 100  
94 6.7 5.7 8.5  
80 9.6 7.2 10.8

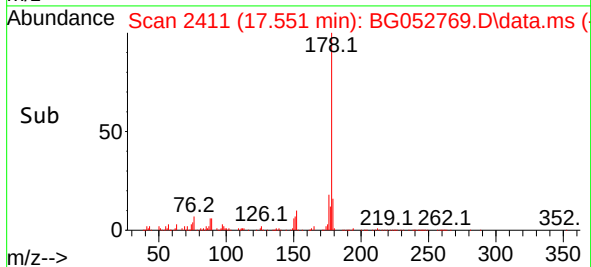
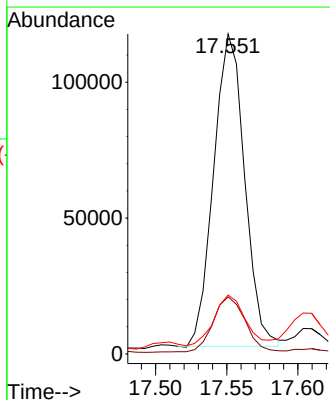
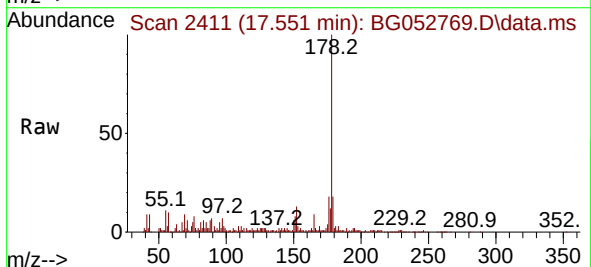
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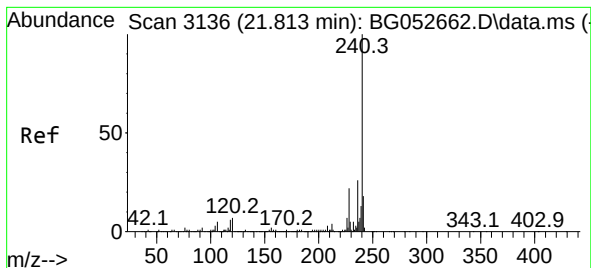
Reviewed By :Christian Giraldo 03/22/2022  
Supervised By :Jagrut Upadhyay 03/22/2022



#71  
Phenanthrene  
Concen: 11.224 ng  
RT: 17.551 min Scan# 2411  
Delta R.T. -0.015 min  
Lab File: BG052769.D  
Acq: 21 Mar 2022 15:52

Tgt Ion:178 Resp: 173998  
Ion Ratio Lower Upper  
178 100  
176 17.9 15.9 23.9  
179 18.4 13.4 20.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.792 min Scan# 3136

Delta R.T. -0.020 min

Lab File: BG052769.D

Acq: 21 Mar 2022 15:52

Instrument :

BNA\_G

ClientSampleId :

PPSP-B10-25.5-26.0

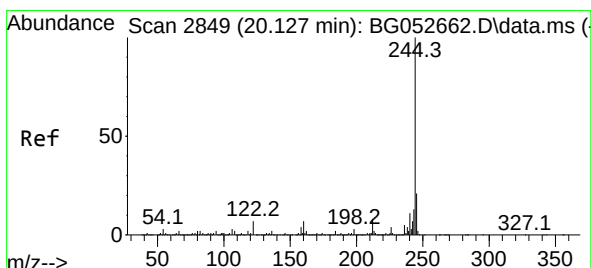
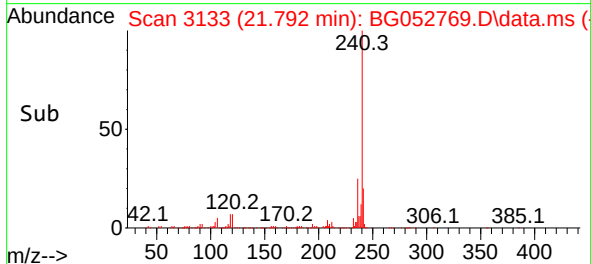
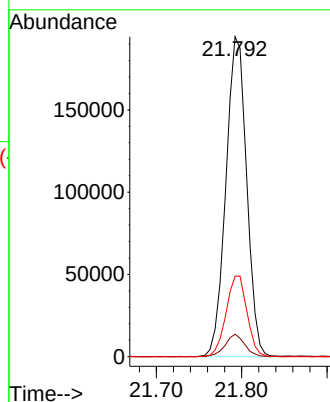
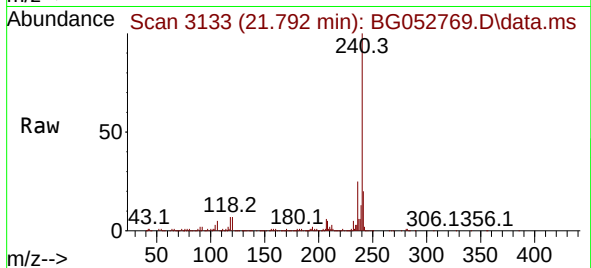
Tgt Ion:240 Resp: 329364  
 Ion Ratio Lower Upper  
 240 100  
 120 7.0 5.4 8.0  
 236 25.2 19.8 29.6

Manual Integrations

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Reviewed By :Christian Giraldo 03/22/2022

Supervised By :Jagrut Upadhyay 03/22/2022



#79

Terphenyl-d14

Concen: 3.430 ng

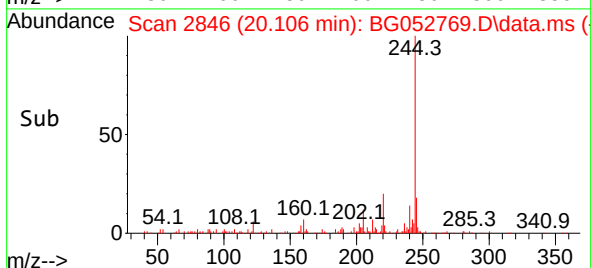
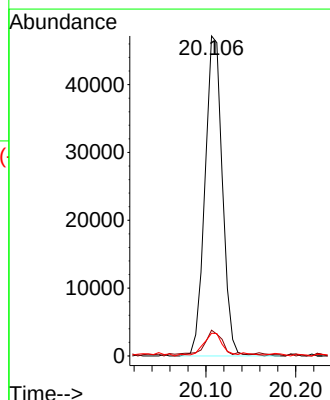
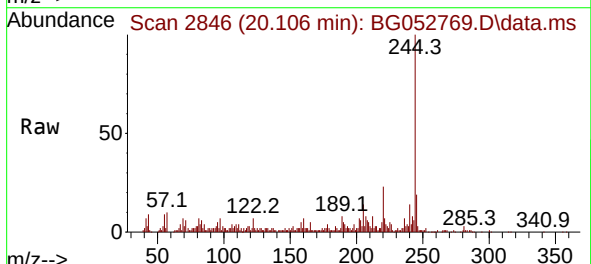
RT: 20.106 min Scan# 2846

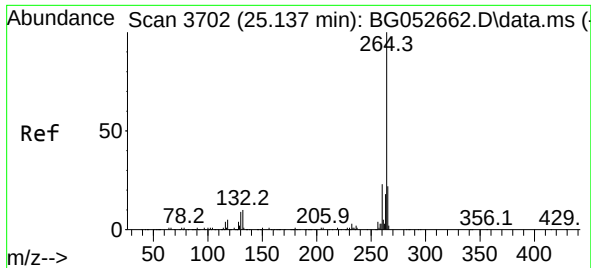
Delta R.T. -0.020 min

Lab File: BG052769.D

Acq: 21 Mar 2022 15:52

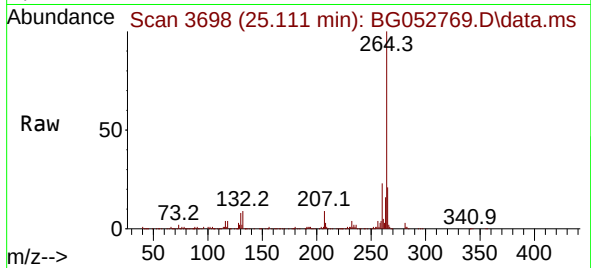
Tgt Ion:244 Resp: 63512  
 Ion Ratio Lower Upper  
 244 100  
 212 8.1 5.4 8.2  
 122 7.1 5.8 8.6





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 25.111 min Scan# 30  
 Delta R.T. -0.026 min  
 Lab File: BG052769.D  
 Acq: 21 Mar 2022 15:52

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PPSP-B10-25.5-26.0



Tgt Ion:264 Resp: 361388  
 Ion Ratio Lower Upper  
 264 100  
 260 22.8 18.2 27.2  
 265 21.3 15.1 22.7

Manual Integrations  
 APPROVED

Reviewed By :Christian Giraldo 03/22/2022  
 Supervised By :Jagrut Upadhyay 03/22/2022

