

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG052422\  
 Data File : BG053681.D  
 Acq On : 24 May 2022 12:08  
 Operator : CG/JU  
 Sample : N2968-12  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 DUP-051922

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 05/25/2022  
 Supervised By : Jagrut Upadhyay 05/25/2022

Quant Time: May 24 15:00:32 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG050522.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 24 05:05:32 2022  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 8.055  | 152  | 22755    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.869 | 136  | 96408    | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.688 | 164  | 74938    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.431 | 188  | 184634   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.707 | 240  | 185380   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12            | 24.974 | 264  | 187735   | 20.000  | ng    | 0.00     |
|                             |        |      |          |         |       |          |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.629  | 112  | 60368    | 45.024  | ng    | 0.00     |
| 7) Phenol-d6                | 7.233  | 99   | 65134    | 32.009  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.224  | 82   | 199483   | 88.081  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.180 | 330  | 109386   | 98.970  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.313 | 172  | 463948   | 90.469  | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.039 | 244  | 808746   | 81.253  | ng    | 0.00     |
|                             |        |      |          |         |       |          |
| Target Compounds            |        |      |          |         |       | Qvalue   |
| 27) 2,4-Dimethylphenol      | 10.053 | 122  | 5678m    | 4.250   | ng    |          |
| 31) Naphthalene             | 10.922 | 128  | 613829   | 125.168 | ng    | 99       |
| 37) 2-Methylnaphthalene     | 12.520 | 142  | 233554   | 63.817  | ng    | 99       |
| 38) 1-Methylnaphthalene     | 12.743 | 142  | 176603m  | 49.459  | ng    |          |
| 46) 1,1'-Biphenyl           | 13.519 | 154  | 19653    | 3.847   | ng    | 91       |
| 52) Acenaphthene            | 14.752 | 154  | 9207     | 2.419   | ng    | 98       |
| 58) Fluorene                | 15.733 | 166  | 13625    | 2.484   | ng    | 98       |
| -----                       |        |      |          |         |       |          |

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

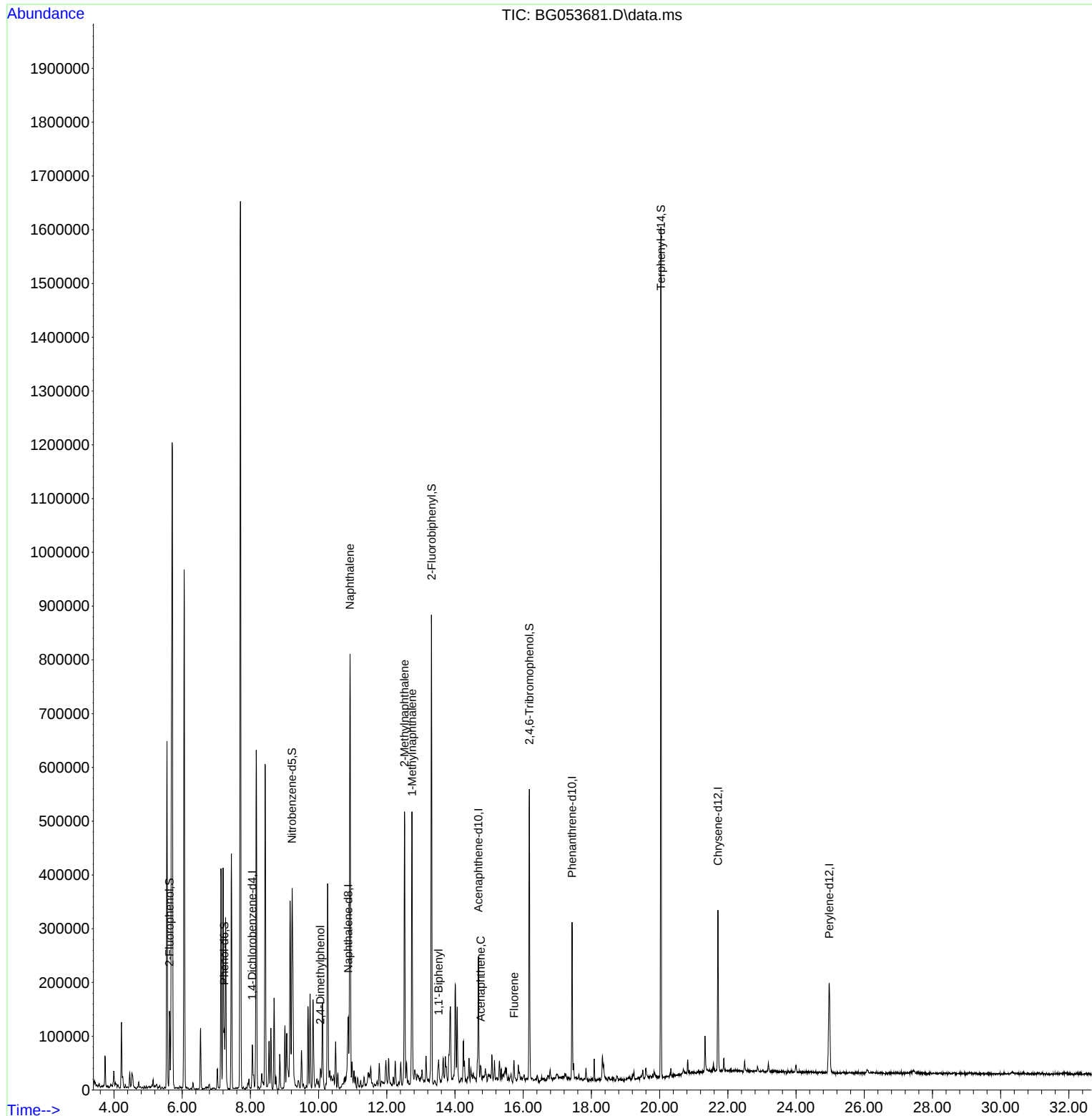
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG052422\  
Data File : BG053681.D  
Acq On : 24 May 2022 12:08  
Operator : CG/JU  
Sample : N2968-12  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

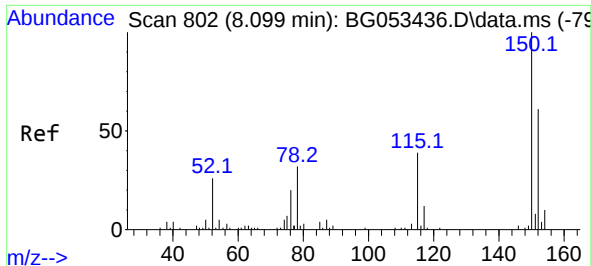
Instrument :  
BNA\_G  
ClientSampleId :  
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Quant Time: May 24 15:00:32 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG050522.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue May 24 05:05:32 2022  
Response via : Initial Calibration

Manual Integrations  
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Supervised By :Jagrut Upadhyay 05/25/2022





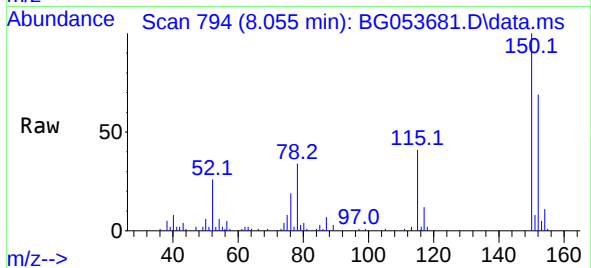
#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.055 min Scan# 794  
Delta R.T. -0.003 min  
Lab File: BG053681.D  
Acq: 24 May 2022 12:08

Instrument :

BNA\_G

ClientSampleId :

DUP-051922

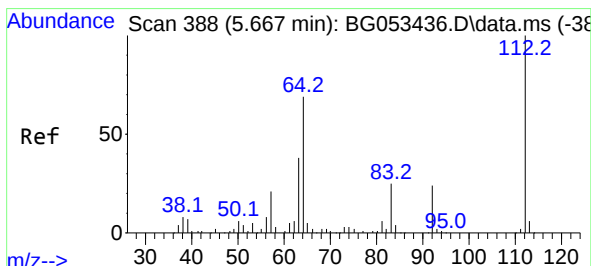
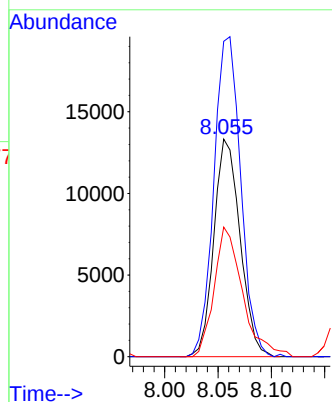


Tgt Ion:152 Resp: 2275  
Ion Ratio Lower Upper  
152 100  
150 144.9 131.6 197.4  
115 59.6 50.9 76.3

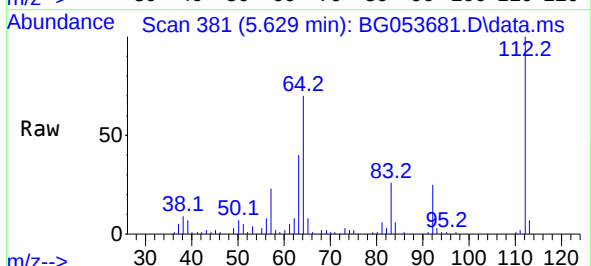
Manual Integrations

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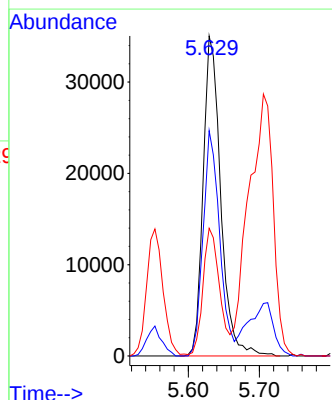
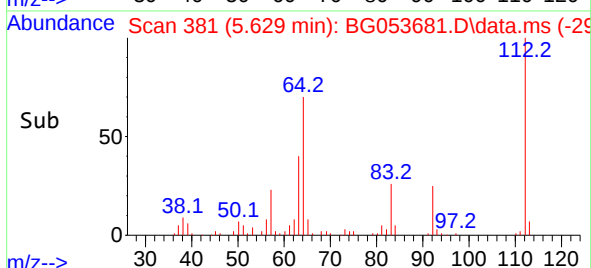
Reviewed By :Christian Giraldo 05/25/2022  
Supervised By :Jagrut Upadhyay 05/25/2022

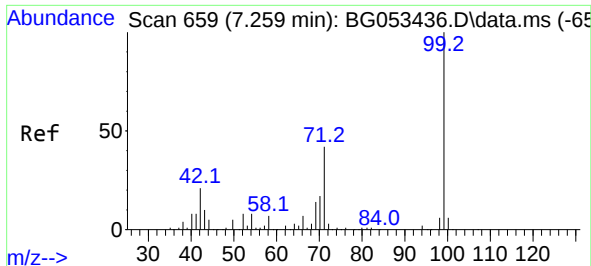


#5  
2-Fluorophenol  
Concen: 45.024 ng  
RT: 5.629 min Scan# 381  
Delta R.T. 0.004 min  
Lab File: BG053681.D  
Acq: 24 May 2022 12:08



Tgt Ion:112 Resp: 60368  
Ion Ratio Lower Upper  
112 100  
64 70.4 55.1 82.7  
63 39.9 30.4 45.6





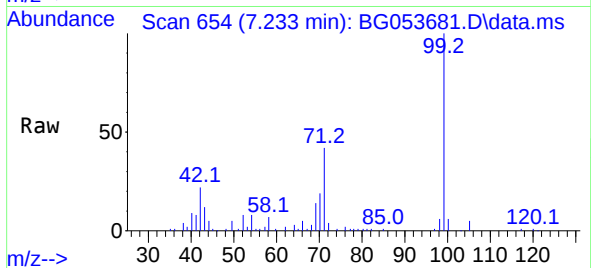
#7  
Phenol-d6  
Concen: 32.009 ng  
RT: 7.233 min Scan# 61  
Delta R.T. 0.004 min  
Lab File: BG053681.D  
Acq: 24 May 2022 12:08

Instrument :

BNA\_G

ClientSampleId :

DUP-051922

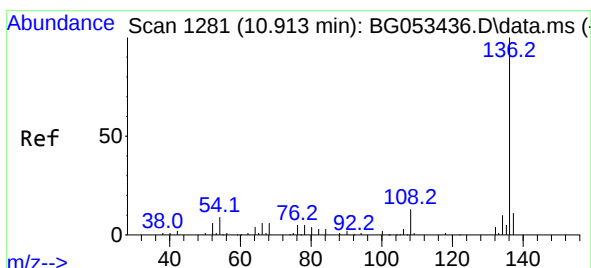
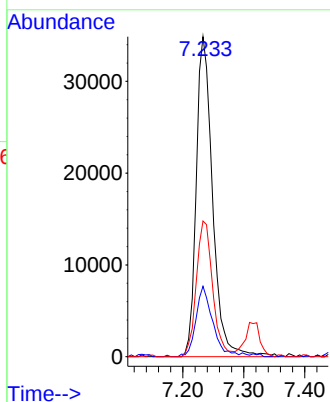
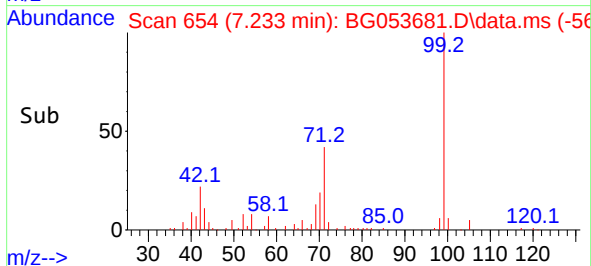


Tgt Ion: 99 Resp: 65134  
Ion Ratio Lower Upper  
99 100  
42 22.0 17.0 25.6  
71 42.4 33.8 50.8

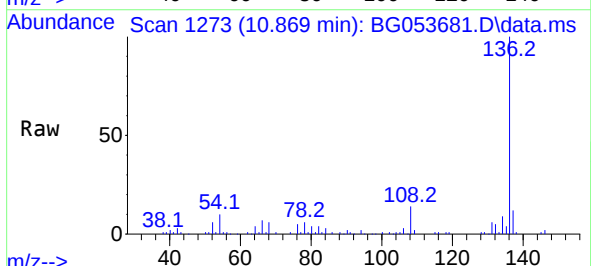
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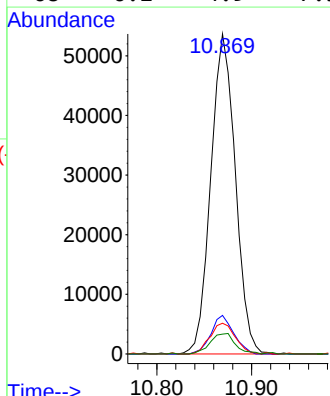
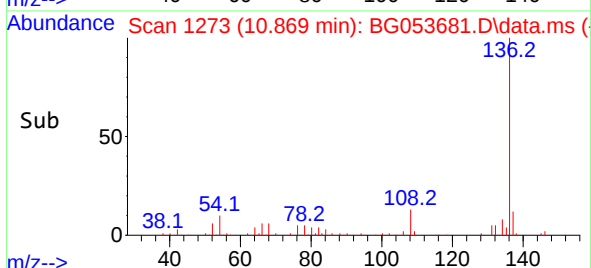
Reviewed By :Christian Giraldo 05/25/2022  
Supervised By :Jagrut Upadhyay 05/25/2022



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.869 min Scan# 1273  
Delta R.T. -0.002 min  
Lab File: BG053681.D  
Acq: 24 May 2022 12:08



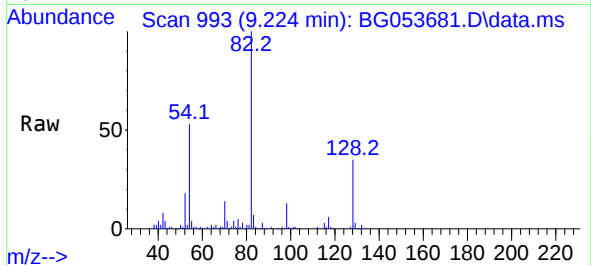
Tgt Ion:136 Resp: 96408  
Ion Ratio Lower Upper  
136 100  
137 12.1 8.5 12.7  
54 9.6 7.4 11.2  
68 6.2 4.9 7.3





#23  
Nitrobenzene-d5  
Concen: 88.081 ng  
RT: 9.224 min Scan# 91  
Delta R.T. -0.002 min  
Lab File: BG053681.D  
Acq: 24 May 2022 12:08

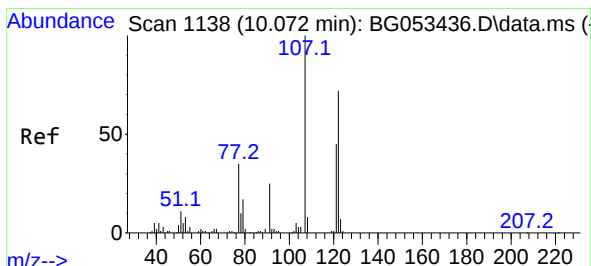
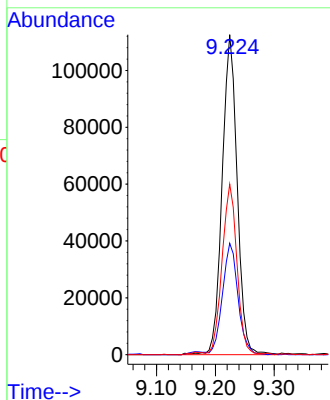
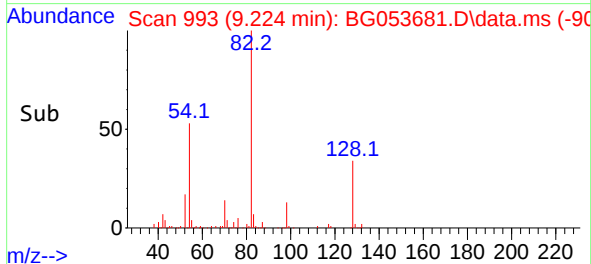
Instrument :  
BNA\_G  
ClientSampleId :  
DUP-051922



Tgt Ion: 82 Resp: 19948  
Ion Ratio Lower Upper  
82 100  
128 34.8 27.9 41.9  
54 53.3 41.2 61.8

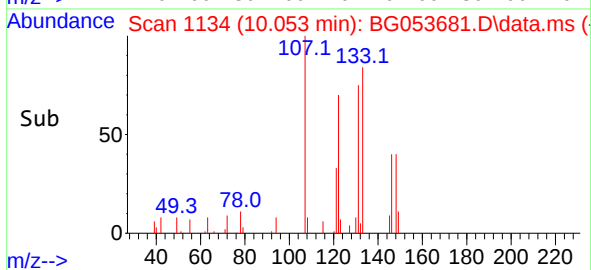
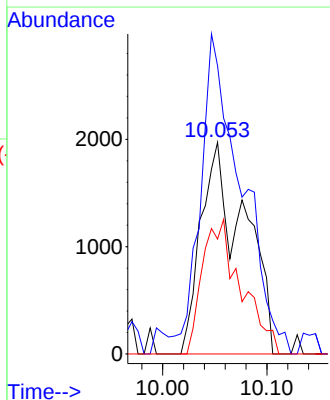
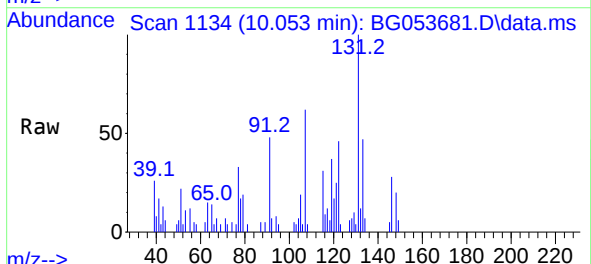
Manual Integrations  
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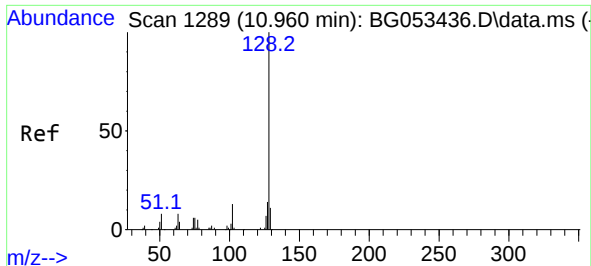
Reviewed By :Christian Giraldo 05/25/2022  
Supervised By :Jagrut Upadhyay 05/25/2022



#27  
2,4-Dimethylphenol  
Concen: 4.250 ng m  
RT: 10.053 min Scan# 1134  
Delta R.T. 0.009 min  
Lab File: BG053681.D  
Acq: 24 May 2022 12:08

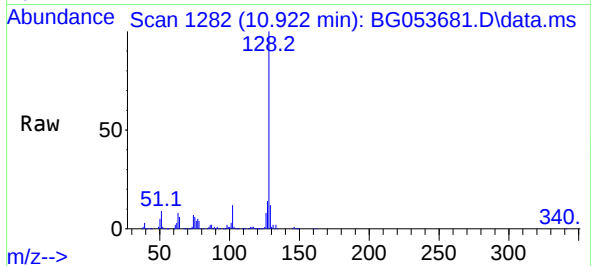
Tgt Ion:122 Resp: 5678  
Ion Ratio Lower Upper  
122 100  
107 136.1 109.4 164.0  
121 54.3 48.7 73.1





#31  
Naphthalene  
Concen: 125.168 ng  
RT: 10.922 min Scan# 11  
Delta R.T. -0.002 min  
Lab File: BG053681.D  
Acq: 24 May 2022 12:08

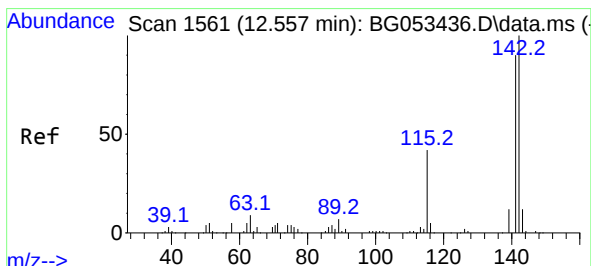
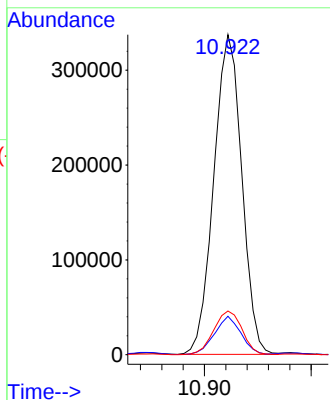
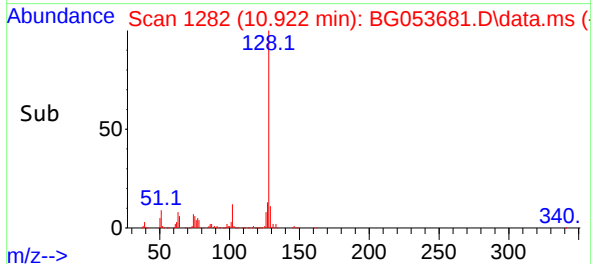
Instrument :  
BNA\_G  
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DUP-051922



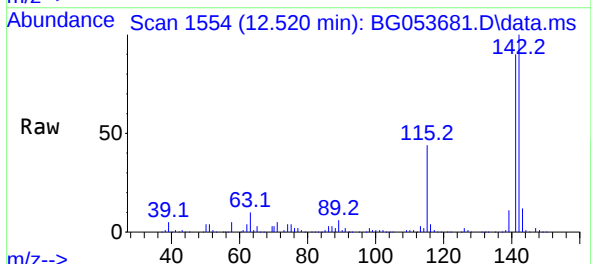
Tgt Ion:128 Resp: 613829  
Ion Ratio Lower Upper  
128 100  
129 12.0 9.0 13.6  
127 13.7 11.1 16.7

Manual Integrations  
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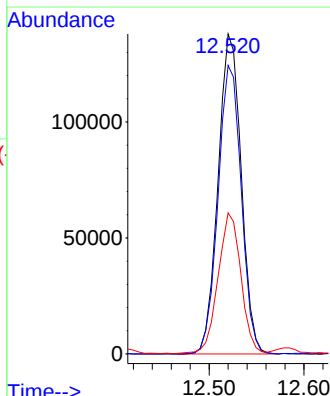
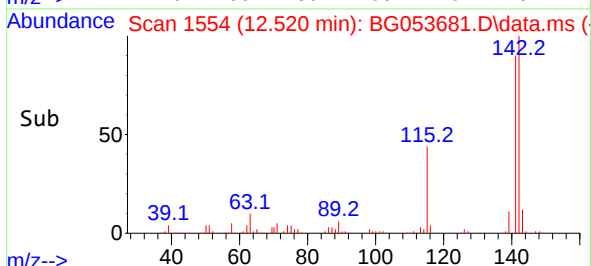
Reviewed By :Christian Giraldo 05/25/2022  
Supervised By :Jagrut Upadhyay 05/25/2022

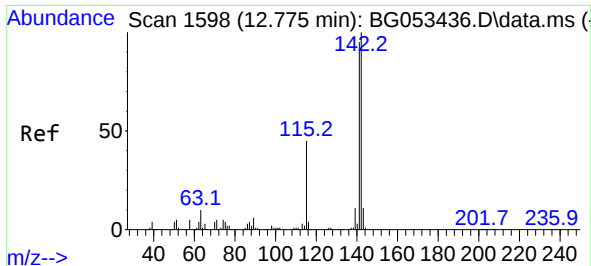


#37  
2-Methylnaphthalene  
Concen: 63.817 ng  
RT: 12.520 min Scan# 1554  
Delta R.T. -0.002 min  
Lab File: BG053681.D  
Acq: 24 May 2022 12:08



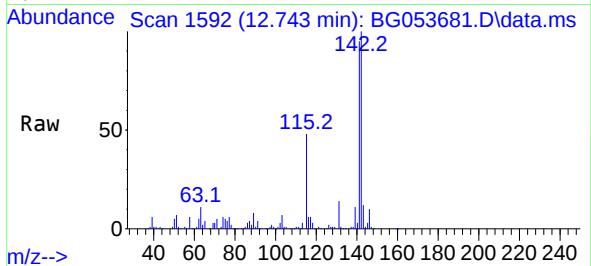
Tgt Ion:142 Resp: 233554  
Ion Ratio Lower Upper  
142 100  
141 90.2 72.3 108.5  
115 44.1 33.7 50.5





#38  
1-Methylnaphthalene  
Concen: 49.459 ng m  
RT: 12.743 min Scan# 11  
Delta R.T. 0.004 min  
Lab File: BG053681.D  
Acq: 24 May 2022 12:08

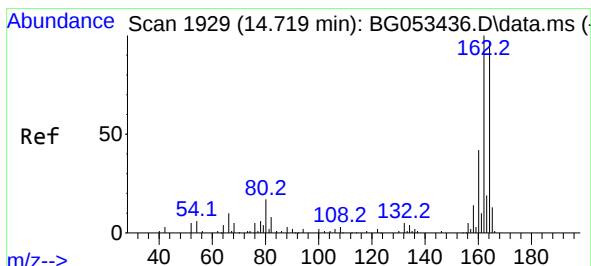
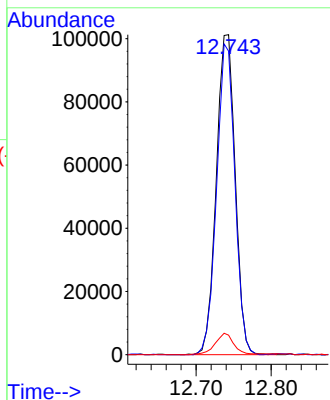
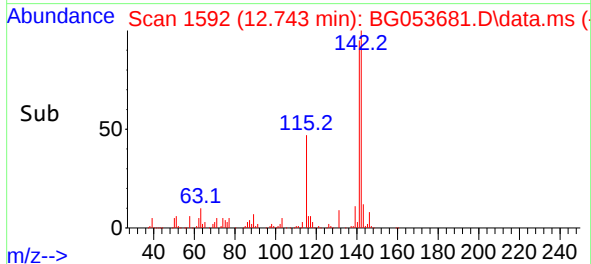
Instrument :  
BNA\_G  
ClientSampleId :  
DUP-051922



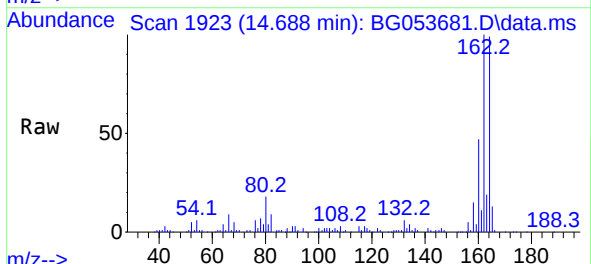
Tgt Ion:142 Resp: 17660  
Ion Ratio Lower Upper  
142 100  
141 94.9 76.4 114.6  
116 6.1 3.3 4.9

Manual Integrations  
APPROVED

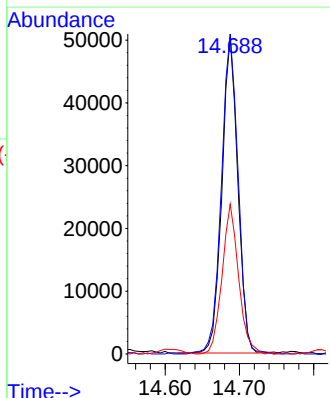
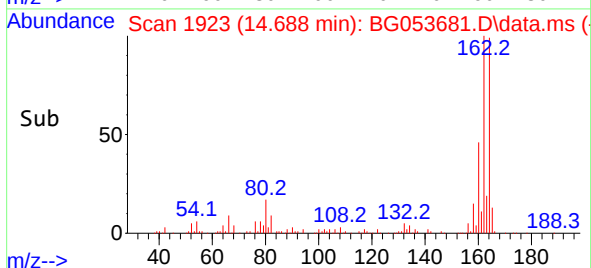
Reviewed By :Christian Giraldo 05/25/2022  
Supervised By :Jagrut Upadhyay 05/25/2022

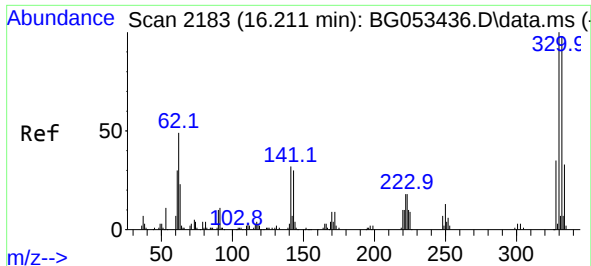


#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.688 min Scan# 1923  
Delta R.T. -0.002 min  
Lab File: BG053681.D  
Acq: 24 May 2022 12:08



Tgt Ion:164 Resp: 74938  
Ion Ratio Lower Upper  
164 100  
162 100.9 82.3 123.5  
160 47.3 34.2 51.2





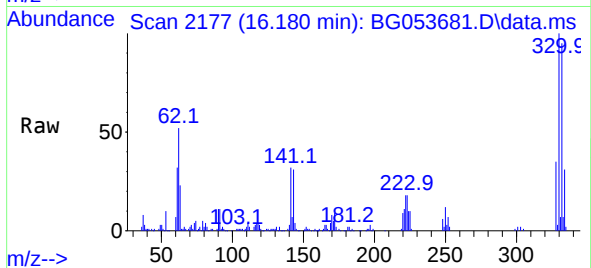
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2,4,6-Tribromophenol  
Concen: 98.970 ng  
RT: 16.180 min Scan# 2183  
Delta R.T. -0.002 min  
Lab File: BG053681.D  
Acq: 24 May 2022 12:08

Instrument :

BNA\_G

ClientSampleId :

DUP-051922

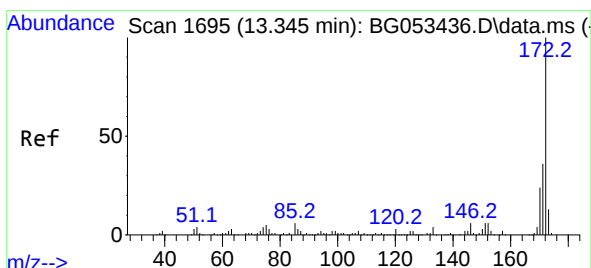
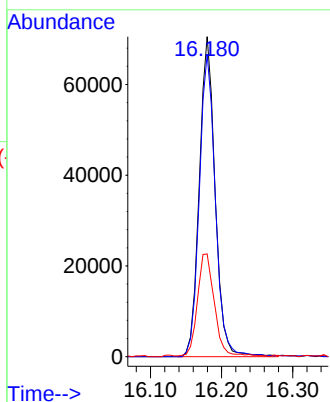
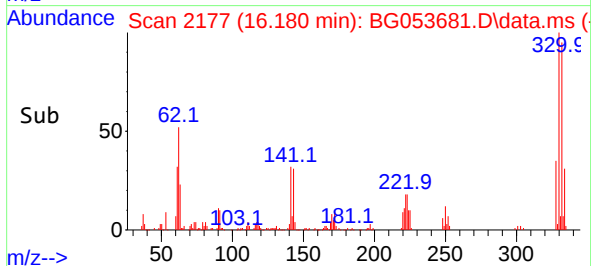


Tgt Ion:330 Resp: 109380  
Ion Ratio Lower Upper  
330 100  
332 95.8 76.0 114.0  
141 34.9 27.1 40.7

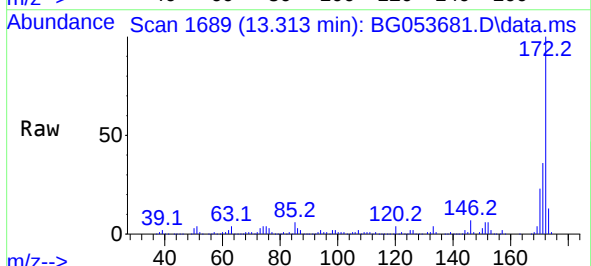
Manual Integrations

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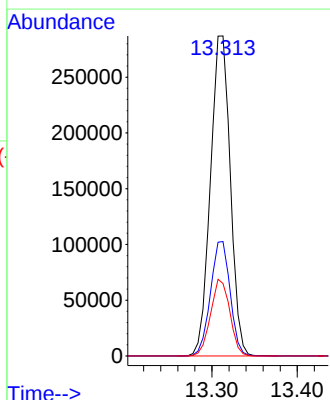
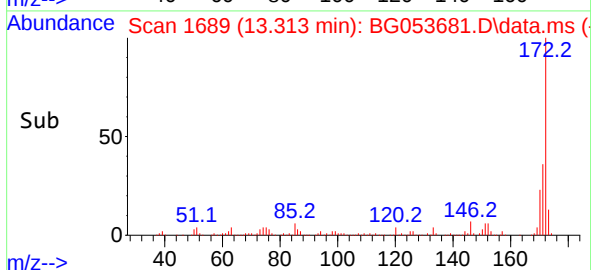
Reviewed By :Christian Giraldo 05/25/2022  
Supervised By :Jagrut Upadhyay 05/25/2022

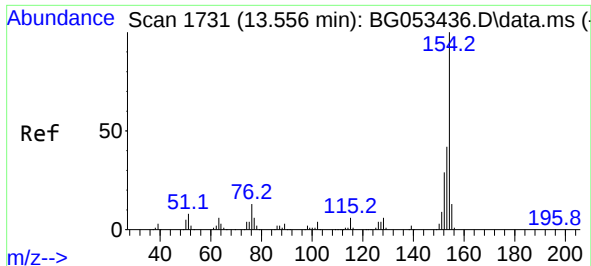


#45  
2-Fluorobiphenyl  
Concen: 90.469 ng  
RT: 13.313 min Scan# 1689  
Delta R.T. -0.002 min  
Lab File: BG053681.D  
Acq: 24 May 2022 12:08



Tgt Ion:172 Resp: 463948  
Ion Ratio Lower Upper  
172 100  
171 35.7 28.5 42.7  
170 22.7 18.9 28.3





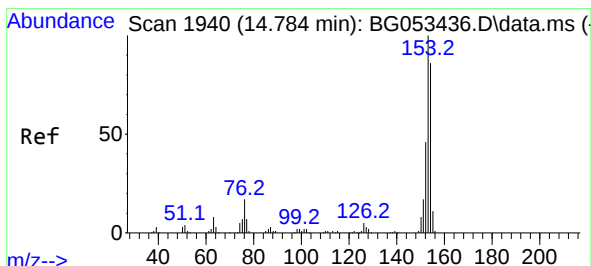
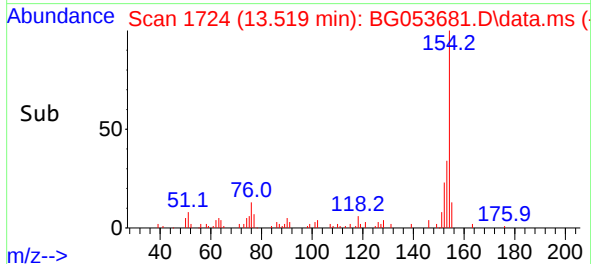
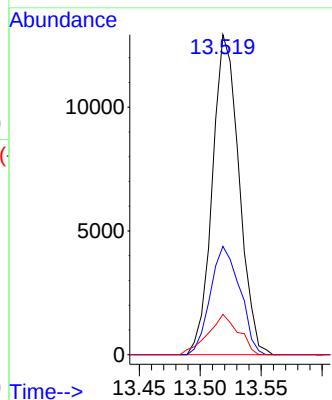
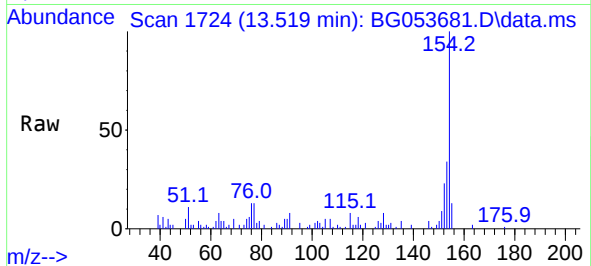
#46  
1,1'-Biphenyl  
Concen: 3.847 ng  
RT: 13.519 min Scan# 11  
Delta R.T. -0.002 min  
Lab File: BG053681.D  
Acq: 24 May 2022 12:08

Instrument :  
BNA\_G  
ClientSampleId :  
DUP-051922

Tgt Ion:154 Resp: 1965  
Ion Ratio Lower Upper  
154 100  
153 33.8 21.6 61.6  
76 12.6 0.0 32.6

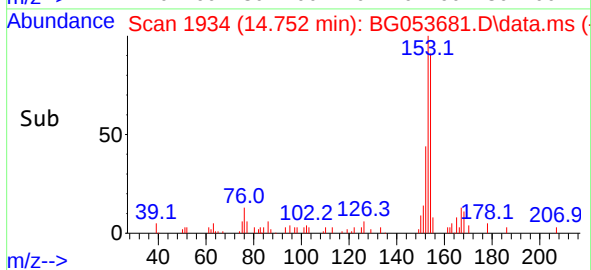
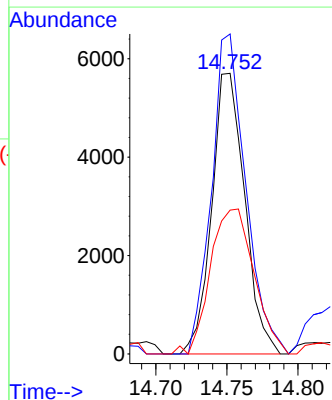
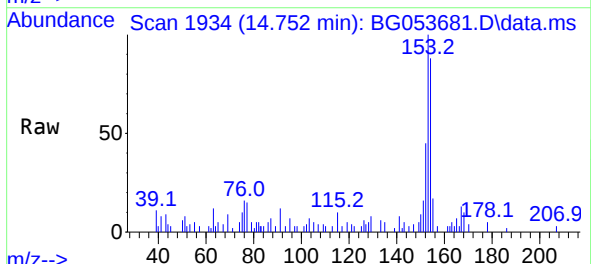
Manual Integrations  
APPROVED

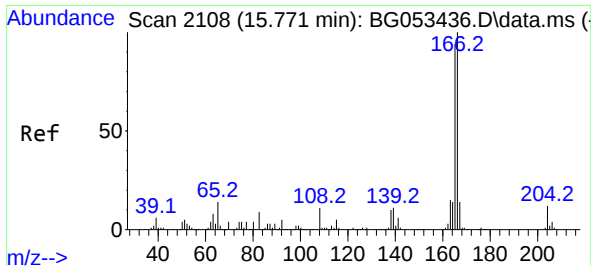
Reviewed By :Christian Giraldo 05/25/2022  
Supervised By :Jagrut Upadhyay 05/25/2022



#52  
Acenaphthene  
Concen: 2.419 ng  
RT: 14.752 min Scan# 1934  
Delta R.T. -0.002 min  
Lab File: BG053681.D  
Acq: 24 May 2022 12:08

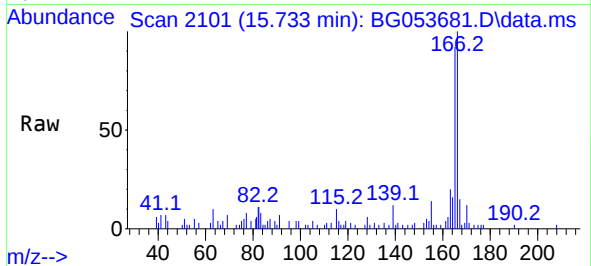
Tgt Ion:154 Resp: 9207  
Ion Ratio Lower Upper  
154 100  
153 114.0 92.7 139.1  
152 51.3 42.6 64.0





#58  
Fluorene  
Concen: 2.484 ng  
RT: 15.733 min Scan# 2101  
Delta R.T. -0.002 min  
Lab File: BG053681.D  
Acq: 24 May 2022 12:08

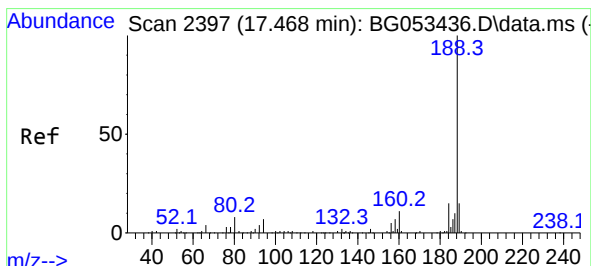
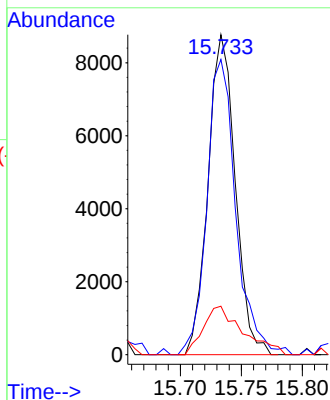
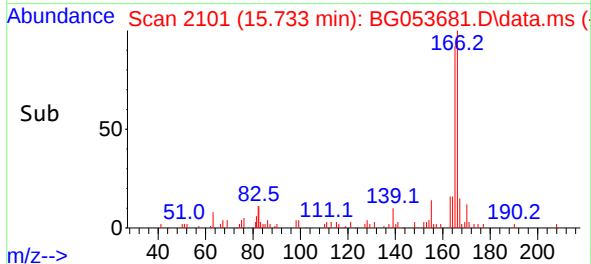
Instrument :  
BNA\_G  
ClientSampleId :  
DUP-051922



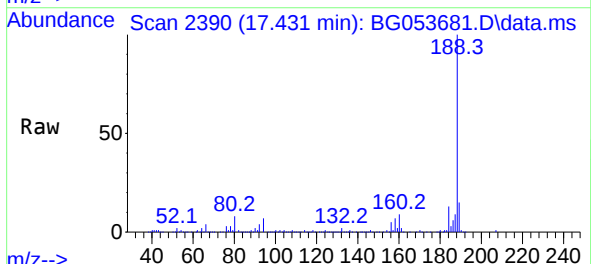
Tgt Ion:166 Resp: 1362  
Ion Ratio Lower Upper  
166 100  
165 92.2 75.0 112.6  
167 15.2 10.8 16.2

Manual Integrations  
APPROVED

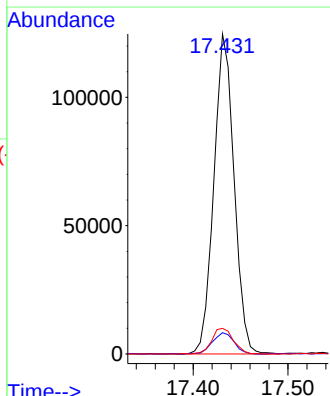
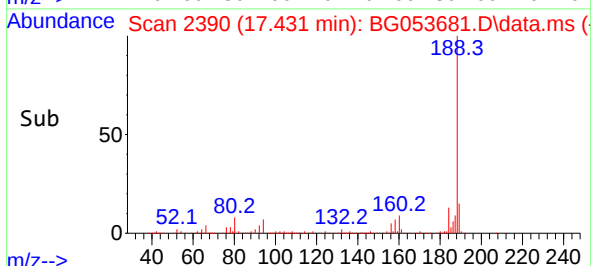
Reviewed By :Christian Giraldo 05/25/2022  
Supervised By :Jagrut Upadhyay 05/25/2022

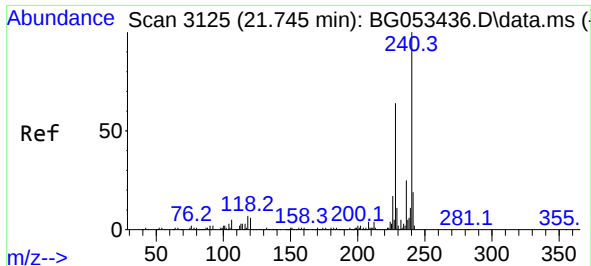


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.431 min Scan# 2390  
Delta R.T. -0.008 min  
Lab File: BG053681.D  
Acq: 24 May 2022 12:08



Tgt Ion:188 Resp: 184634  
Ion Ratio Lower Upper  
188 100  
94 6.6 5.4 8.0  
80 8.0 6.8 10.2





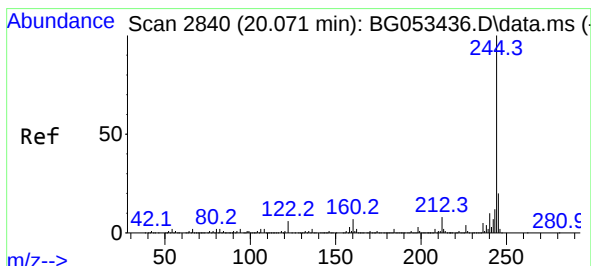
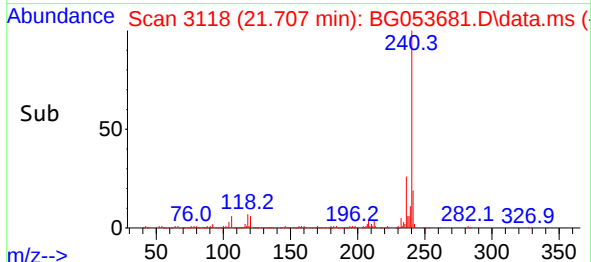
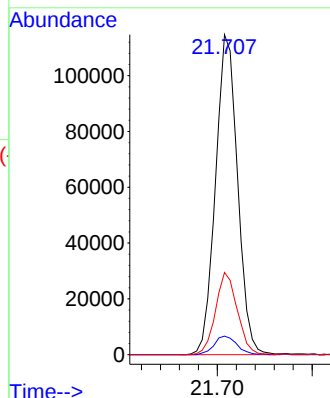
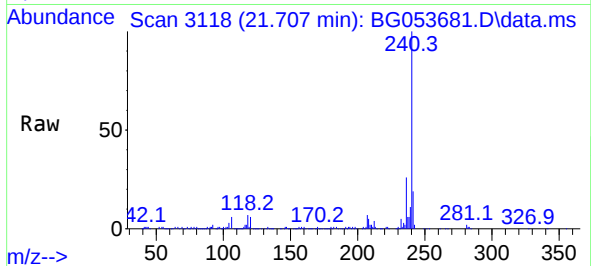
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.707 min Scan# 3118  
Delta R.T. -0.008 min  
Lab File: BG053681.D  
Acq: 24 May 2022 12:08

Instrument :  
BNA\_G  
ClientSampleId :  
DUP-051922

Tgt Ion:240 Resp: 185380  
Ion Ratio Lower Upper  
240 100  
120 5.8 4.6 7.0  
236 25.7 20.2 30.4

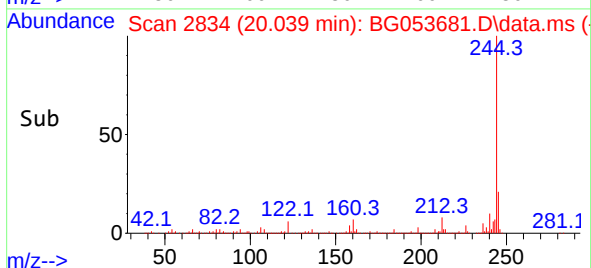
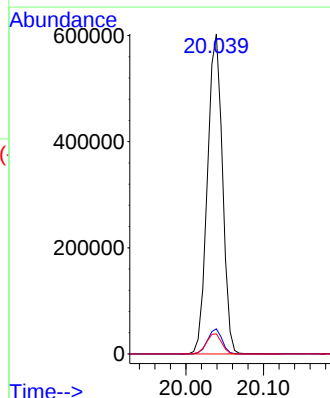
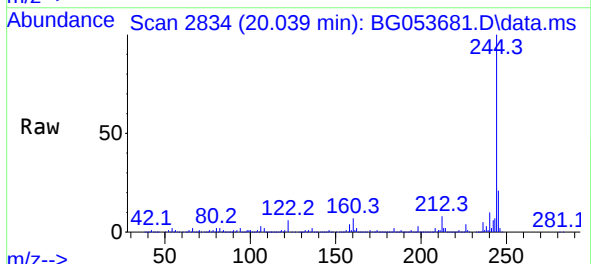
Manual Integrations  
APPROVED

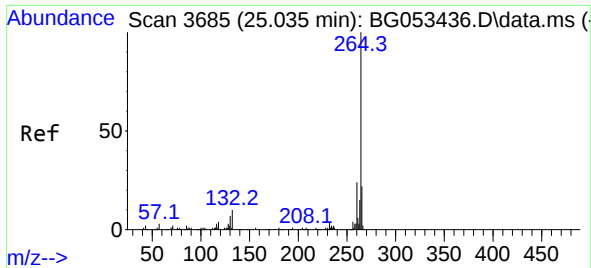
Reviewed By :Christian Giraldo 05/25/2022  
Supervised By :Jagrut Upadhyay 05/25/2022



#79  
Terphenyl-d14  
Concen: 81.253 ng  
RT: 20.039 min Scan# 2834  
Delta R.T. -0.002 min  
Lab File: BG053681.D  
Acq: 24 May 2022 12:08

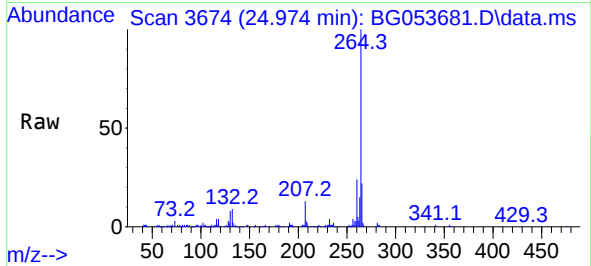
Tgt Ion:244 Resp: 808746  
Ion Ratio Lower Upper  
244 100  
212 7.8 6.5 9.7  
122 6.3 5.0 7.4





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.974 min Scan# 30  
 Delta R.T. -0.008 min  
 Lab File: BG053681.D  
 Acq: 24 May 2022 12:08

Instrument :  
 BNA\_G  
 ClientSampleId :  
 DUP-051922



Tgt Ion:264 Resp: 187735  
 Ion Ratio Lower Upper  
 264 100  
 260 24.1 19.0 28.6  
 265 21.6 17.4 26.2

Manual Integrations  
 APPROVED

Reviewed By :Christian Giraldo 05/25/2022  
 Supervised By :Jagrut Upadhyay 05/25/2022

