

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG080422\  
 Data File : BG054527.D  
 Acq On : 4 Aug 2022 20:37  
 Operator : CG/JU  
 Sample : N3930-06  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 RVE-99

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 08/05/2022  
 Supervised By : Jagrut Upadhyay 08/05/2022

Quant Time: Aug 05 05:03:21 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG071522.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 28 04:30:50 2022  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|--------|------|----------|-------|-------|----------|
| -----                       |        |      |          |       |       |          |
| Internal Standards          |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.982  | 152  | 21503    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.791 | 136  | 81809    | 20.00 | ng    | # 0.00   |
| 39) Acenaphthene-d10        | 14.622 | 164  | 59523    | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.371 | 188  | 137929   | 20.00 | ng    | # 0.00   |
| 76) Chrysene-d12            | 21.637 | 240  | 144913   | 20.00 | ng    | # 0.00   |
| 86) Perylene-d12            | 24.851 | 264  | 123203   | 20.00 | ng    | 0.02     |
|                             |        |      |          |       |       |          |
| System Monitoring Compounds |        |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.574  | 112  | 62161    | 60.36 | ng    | 0.01     |
| 7) Phenol-d6                | 7.183  | 99   | 82339    | 58.35 | ng    | 0.01     |
| 23) Nitrobenzene-d5         | 9.146  | 82   | 59086    | 39.33 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.120 | 330  | 67661    | 54.14 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.241 | 172  | 176548   | 41.84 | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.974 | 244  | 313399   | 42.90 | ng    | 0.00     |
|                             |        |      |          |       |       |          |
| Target Compounds            |        |      |          |       |       | Qvalue   |
| 75) Fluoranthene            | 19.422 | 202  | 25800    | 2.76  | ng    | 95       |
| 78) Pyrene                  | 19.786 | 202  | 30650    | 3.69  | ng    | 95       |
| 88) Benzo(b)fluoranthene    | 23.834 | 252  | 20941    | 2.87  | ng    | # 73     |
| 90) Benzo(a)pyrene          | 24.704 | 252  | 14519    | 2.33  | ng    | # 90     |
| -----                       |        |      |          |       |       |          |

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

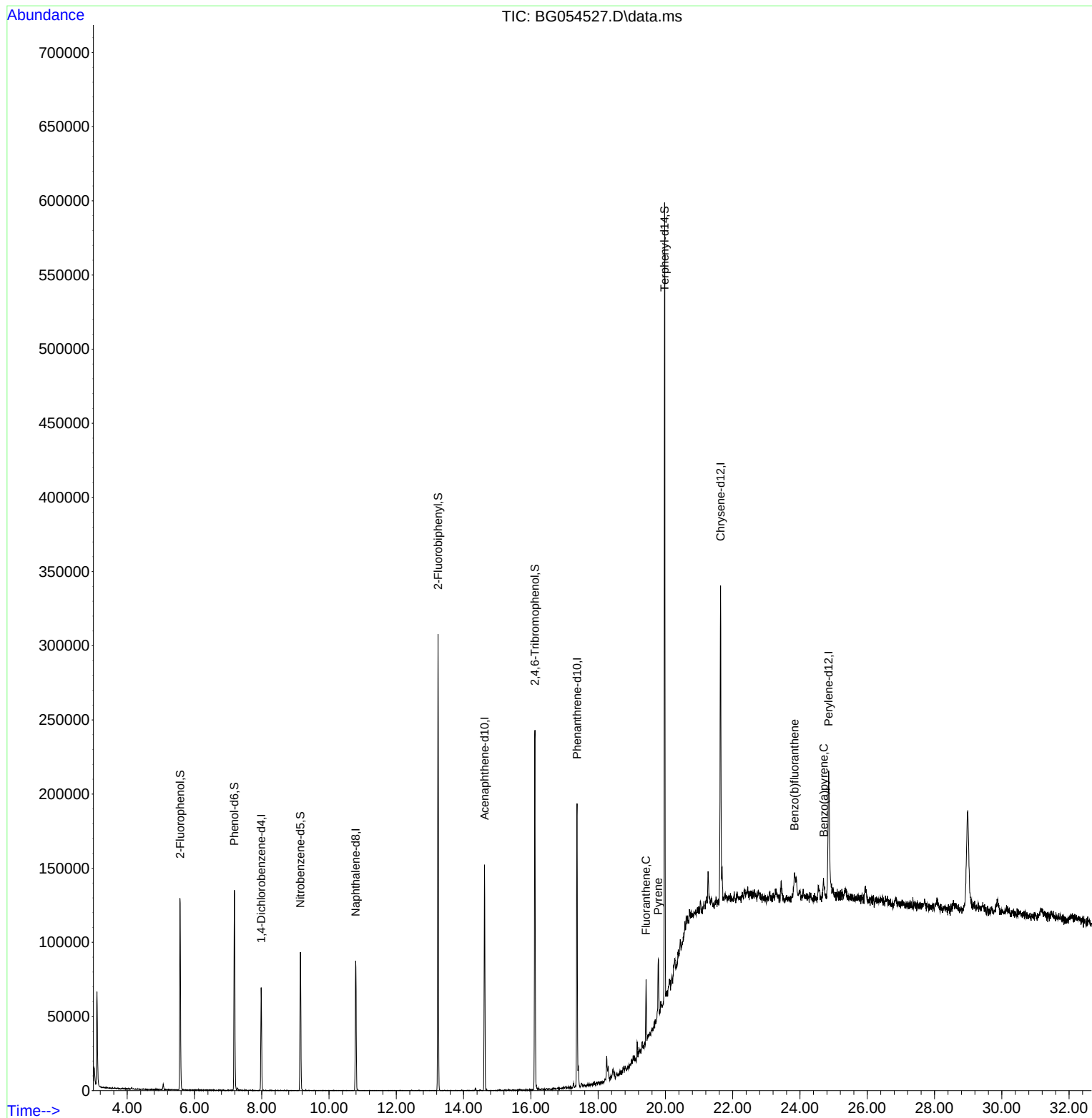
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG080422\  
Data File : BG054527.D  
Acq On : 4 Aug 2022 20:37  
Operator : CG/JU  
Sample : N3930-06  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

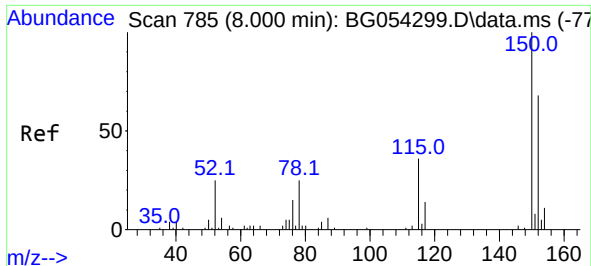
Instrument :  
BNA\_G  
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Quant Time: Aug 05 05:03:21 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG071522.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Jul 28 04:30:50 2022  
Response via : Initial Calibration

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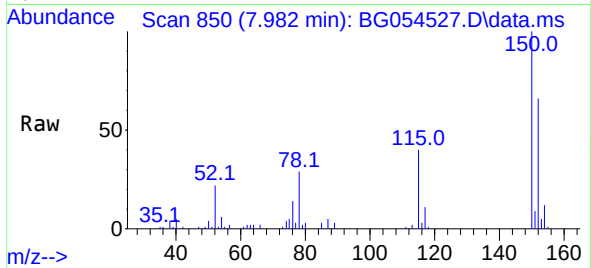
Reviewed By :Christian Giraldo 08/05/2022  
Supervised By :Jagrut Upadhyay 08/05/2022





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.982 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BG054527.D  
Acq: 4 Aug 2022 20:37

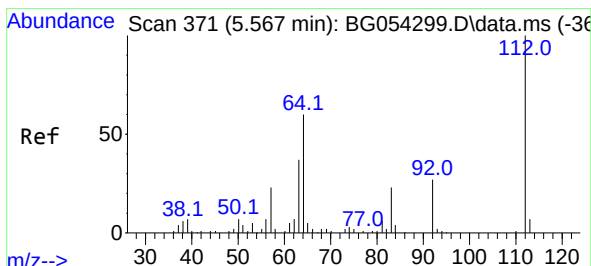
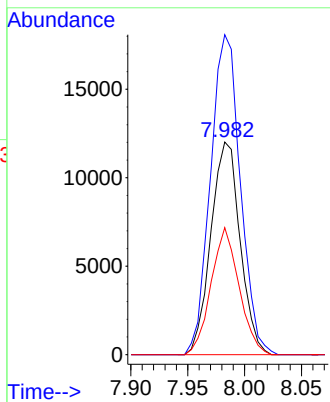
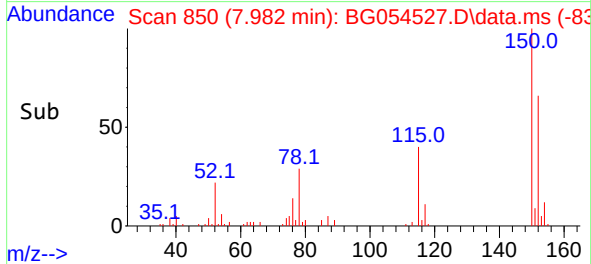
Instrument :  
BNA\_G  
ClientSampleId :  
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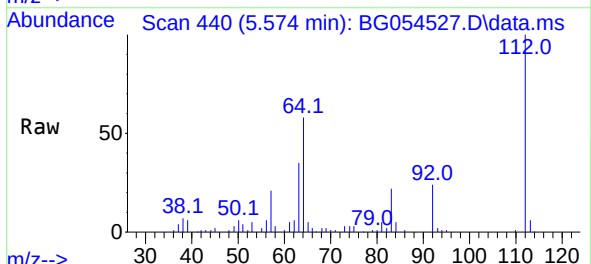
Tgt Ion:152 Resp: 2150  
Ion Ratio Lower Upper  
152 100  
150 150.5 131.6 197.4  
115 59.7 50.9 76.3

Manual Integrations  
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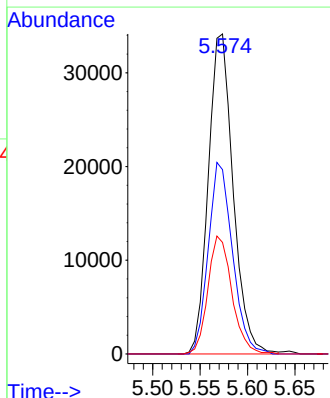
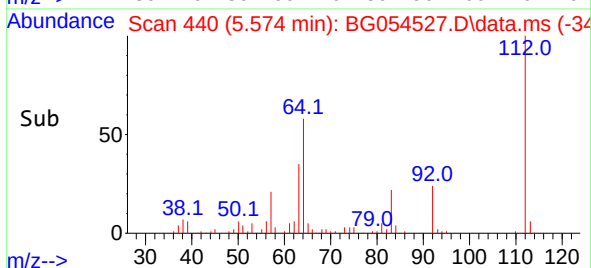
Reviewed By :Christian Giraldo 08/05/2022  
Supervised By :Jagrut Upadhyay 08/05/2022

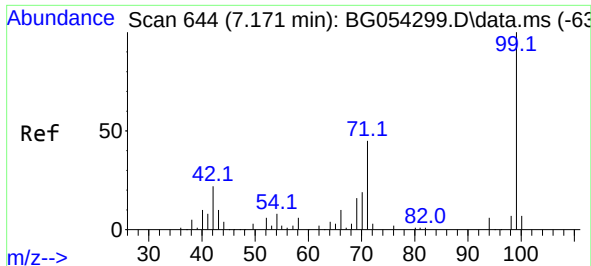


#5  
2-Fluorophenol  
Concen: 60.36 ng  
RT: 5.574 min Scan# 440  
Delta R.T. 0.012 min  
Lab File: BG054527.D  
Acq: 4 Aug 2022 20:37



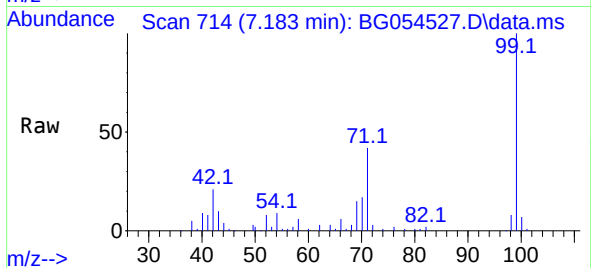
Tgt Ion:112 Resp: 62161  
Ion Ratio Lower Upper  
112 100  
64 57.6 55.1 82.7  
63 34.8 30.4 45.6





#7  
Phenol-d6  
Concen: 58.35 ng  
RT: 7.183 min Scan# 71  
Delta R.T. 0.012 min  
Lab File: BG054527.D  
Acq: 4 Aug 2022 20:37

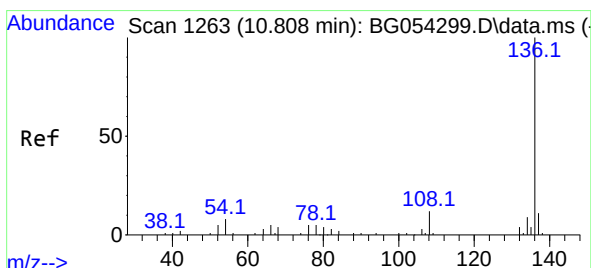
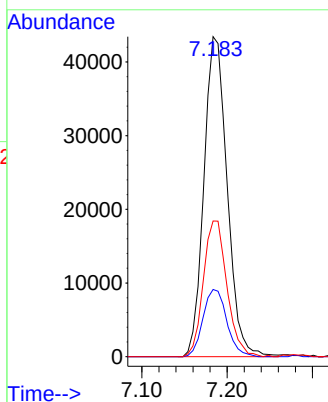
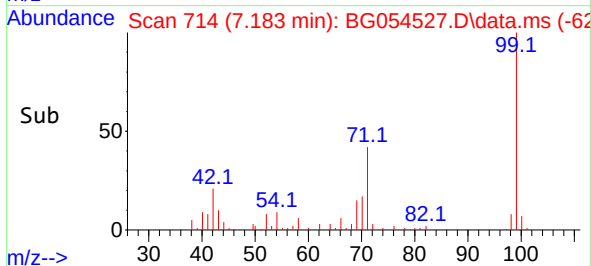
Instrument :  
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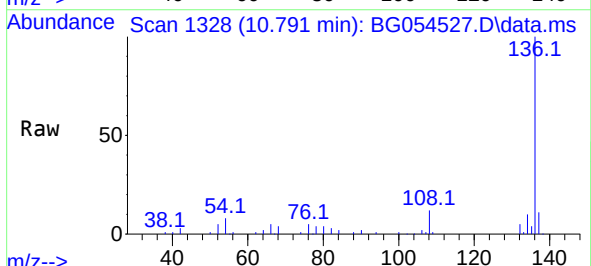
Tgt Ion: 99 Resp: 82339  
Ion Ratio Lower Upper  
99 100  
42 21.0 17.0 25.6  
71 42.4 33.8 50.8

Manual Integrations  
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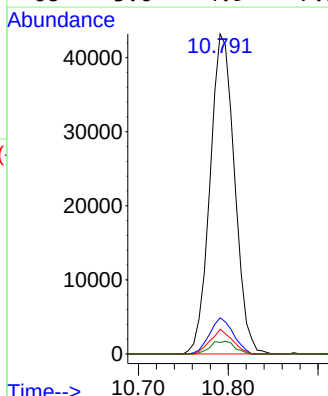
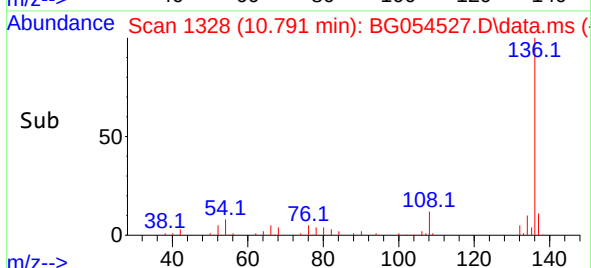
Reviewed By :Christian Giraldo 08/05/2022  
Supervised By :Jagrut Upadhyay 08/05/2022

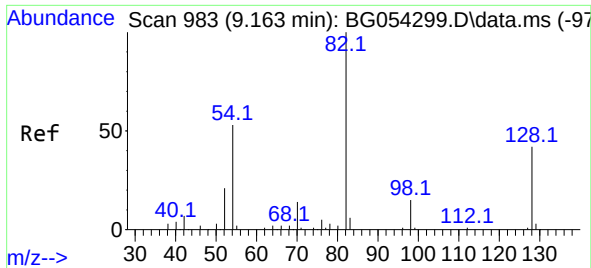


#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.791 min Scan# 1328  
Delta R.T. -0.006 min  
Lab File: BG054527.D  
Acq: 4 Aug 2022 20:37



Tgt Ion:136 Resp: 81809  
Ion Ratio Lower Upper  
136 100  
137 11.3 8.5 12.7  
54 7.7 7.4 11.2  
68 3.6 4.9 7.3





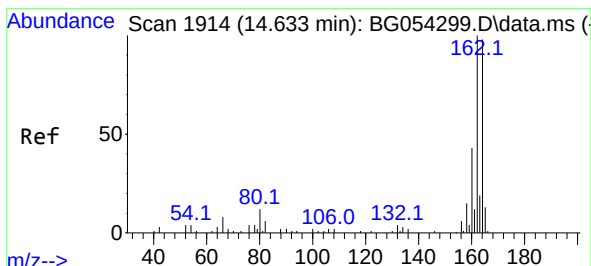
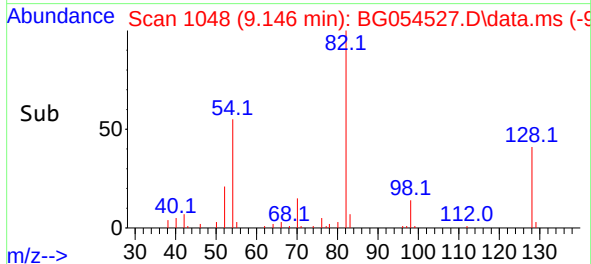
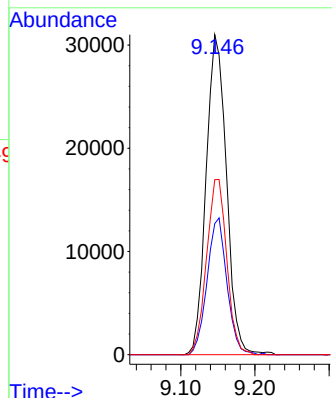
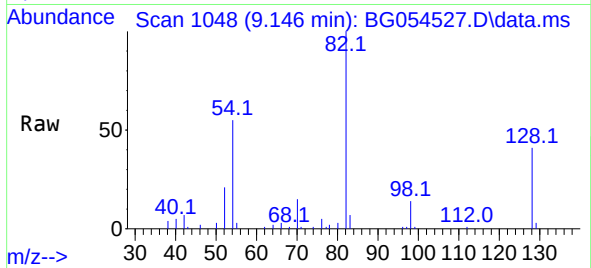
#23  
Nitrobenzene-d5  
Concen: 39.33 ng  
RT: 9.146 min Scan# 1048  
Delta R.T. -0.006 min  
Lab File: BG054527.D  
Acq: 4 Aug 2022 20:37

Instrument :  
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ClientSampleId :  
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Tgt Ion: 82 Resp: 5908  
Ion Ratio Lower Upper  
82 100  
128 40.9 27.9 41.9  
54 54.7 41.2 61.8

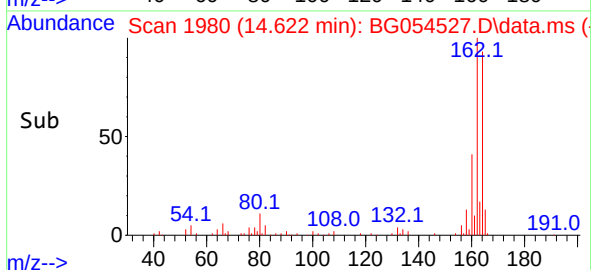
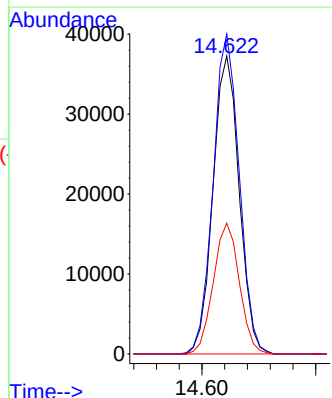
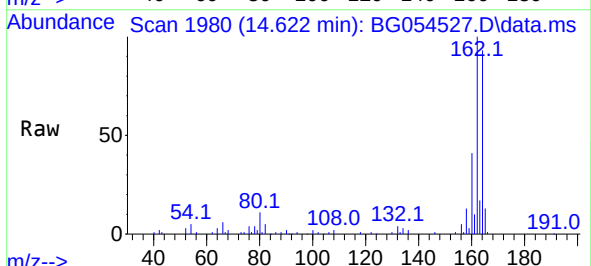
Manual Integrations  
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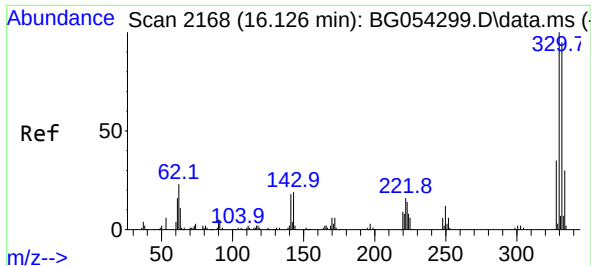
Reviewed By :Christian Giraldo 08/05/2022  
Supervised By :Jagrut Upadhyay 08/05/2022



#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.622 min Scan# 1980  
Delta R.T. -0.000 min  
Lab File: BG054527.D  
Acq: 4 Aug 2022 20:37

Tgt Ion:164 Resp: 59523  
Ion Ratio Lower Upper  
164 100  
162 107.4 82.3 123.5  
160 43.8 34.2 51.2





#42  
2,4,6-Tribromophenol  
Concen: 54.14 ng  
RT: 16.120 min Scan# 2168  
Delta R.T. 0.006 min  
Lab File: BG054527.D  
Acq: 4 Aug 2022 20:37

Instrument :

BNA\_G

ClientSampleId :

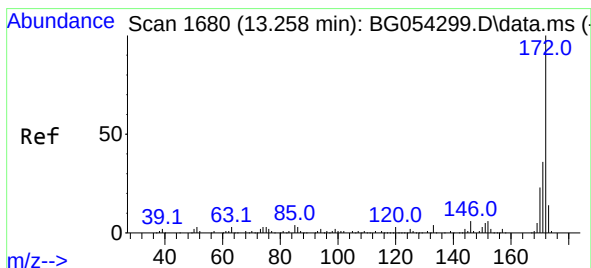
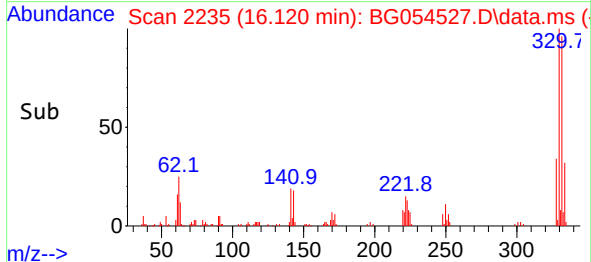
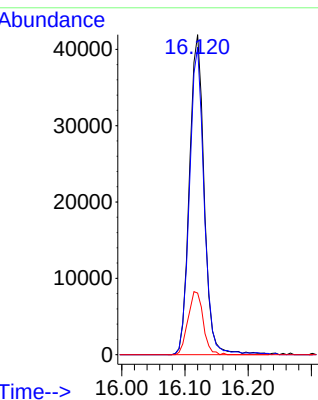
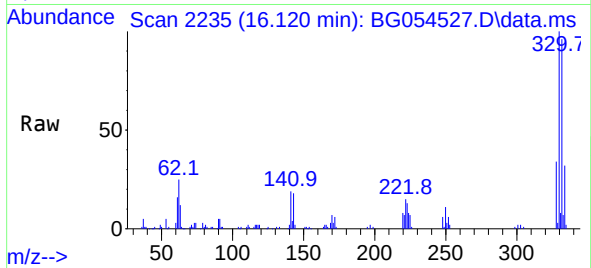
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Tgt Ion:330 Resp: 6766  
Ion Ratio Lower Upper  
330 100  
332 94.8 76.0 114.0  
141 20.2 27.1 40.7

Manual Integrations

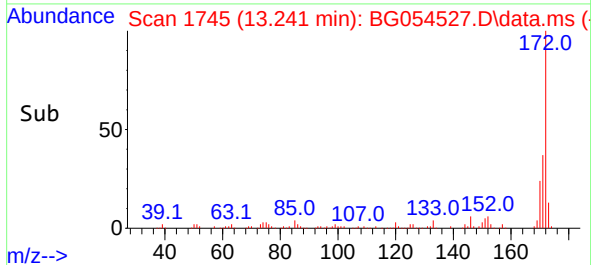
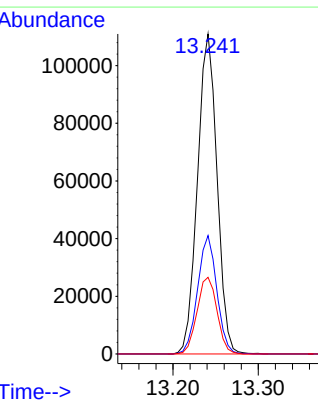
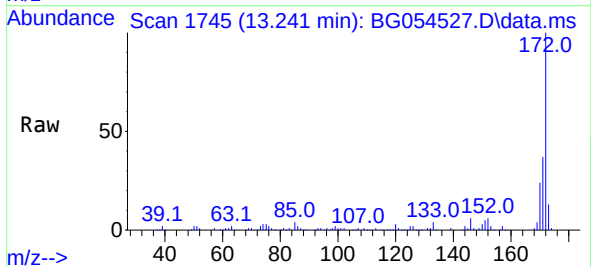
APPROVED

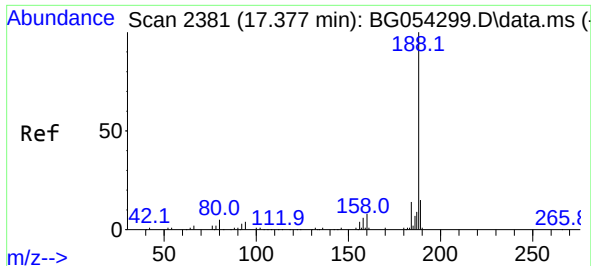
Reviewed By :Christian Giraldo 08/05/2022  
Supervised By :Jagrut Upadhyay 08/05/2022



#45  
2-Fluorobiphenyl  
Concen: 41.84 ng  
RT: 13.241 min Scan# 1745  
Delta R.T. -0.006 min  
Lab File: BG054527.D  
Acq: 4 Aug 2022 20:37

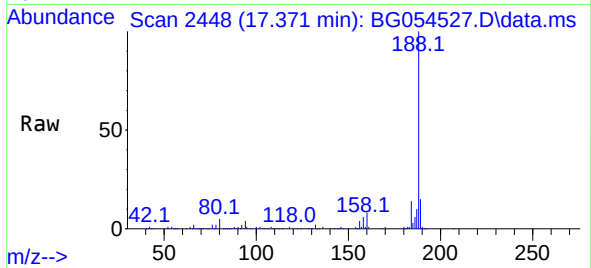
Tgt Ion:172 Resp: 176548  
Ion Ratio Lower Upper  
172 100  
171 37.0 28.5 42.7  
170 24.0 18.9 28.3





#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.371 min Scan# 2448  
Delta R.T. -0.000 min  
Lab File: BG054527.D  
Acq: 4 Aug 2022 20:37

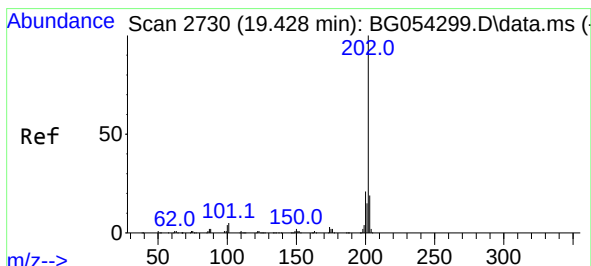
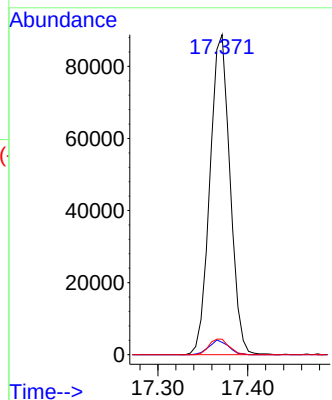
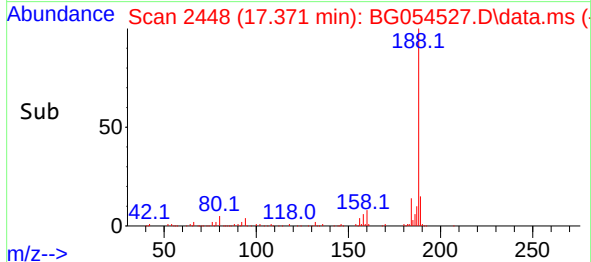
Instrument :  
BNA\_G  
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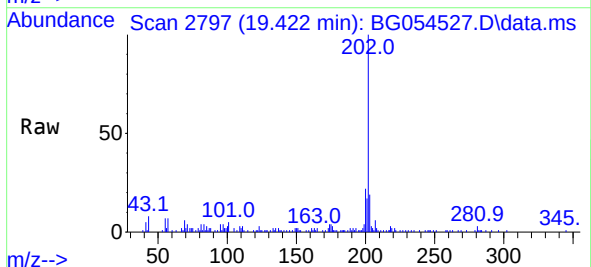
Tgt Ion:188 Resp: 137929  
Ion Ratio Lower Upper  
188 100  
94 3.8 5.4 8.0  
80 4.9 6.8 10.2

Manual Integrations  
APPROVED

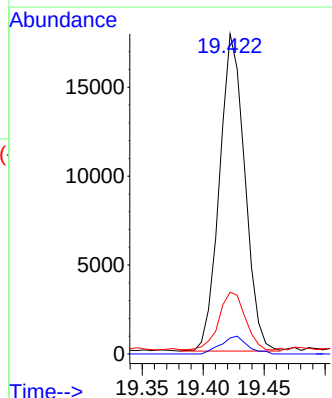
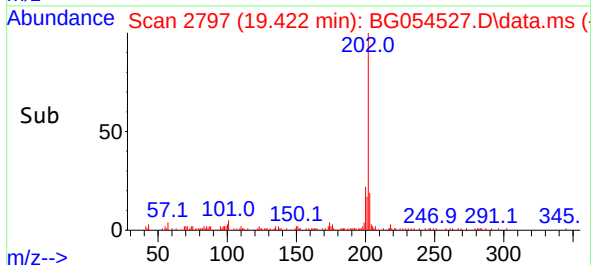
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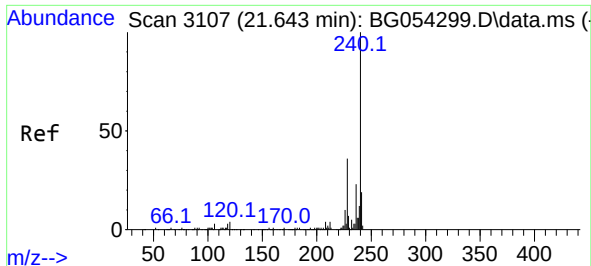


#75  
Fluoranthene  
Concen: 2.76 ng  
RT: 19.422 min Scan# 2797  
Delta R.T. -0.000 min  
Lab File: BG054527.D  
Acq: 4 Aug 2022 20:37



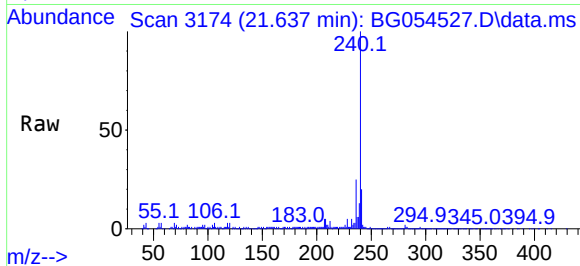
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Ion Ratio Lower Upper  
202 100  
101 5.0 0.0 26.9  
203 19.3 0.0 37.2





#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.637 min Scan# 3107  
Delta R.T. -0.000 min  
Lab File: BG054527.D  
Acq: 4 Aug 2022 20:37

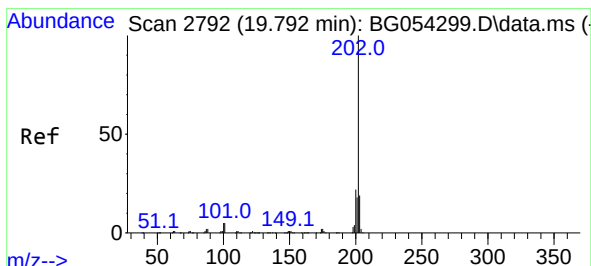
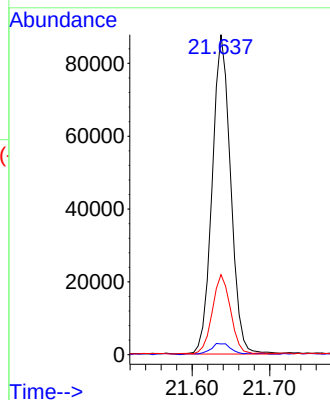
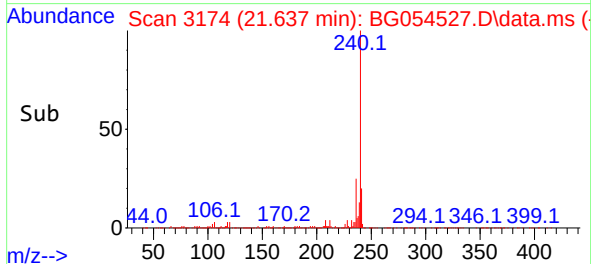
Instrument :  
BNA\_G  
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Tgt Ion:240 Resp: 144911  
Ion Ratio Lower Upper  
240 100  
120 3.3 4.6 7.0  
236 25.0 20.2 30.4

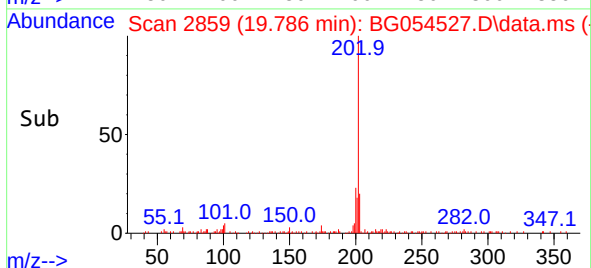
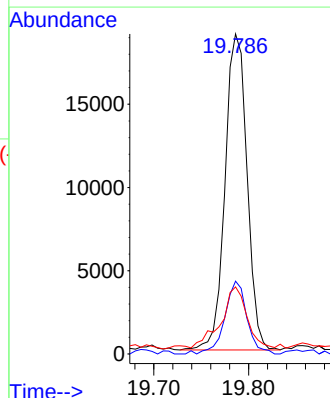
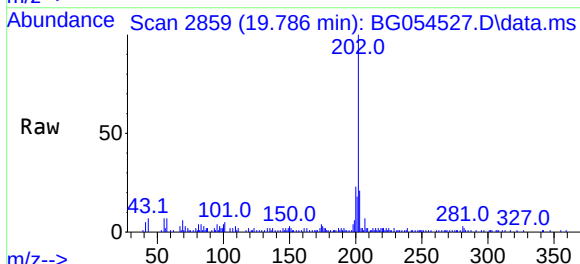
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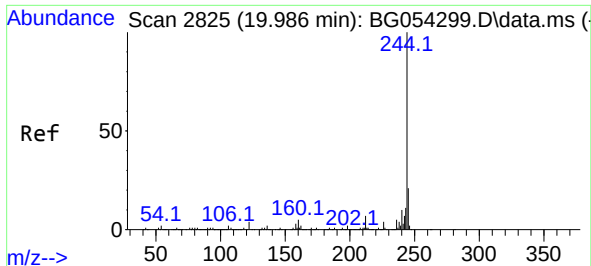


#78  
Pyrene  
Concen: 3.69 ng  
RT: 19.786 min Scan# 2859  
Delta R.T. -0.000 min  
Lab File: BG054527.D  
Acq: 4 Aug 2022 20:37

Tgt Ion:202 Resp: 30650  
Ion Ratio Lower Upper  
202 100  
200 22.8 16.6 24.8  
203 20.9 14.6 21.8

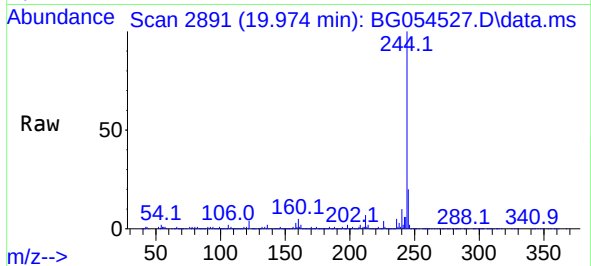






#79  
Terphenyl-d14  
Concen: 42.90 ng  
RT: 19.974 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BG054527.D  
Acq: 4 Aug 2022 20:37

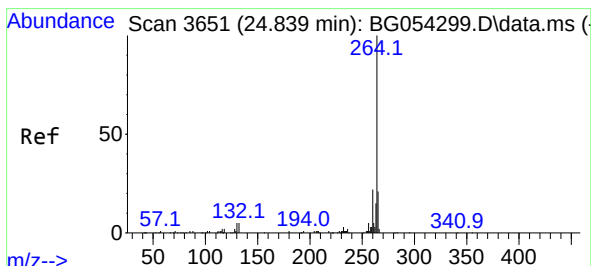
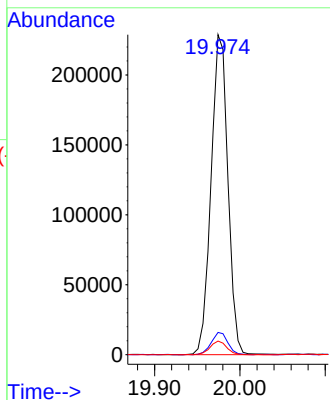
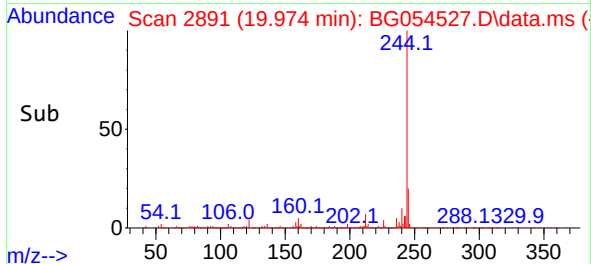
Instrument :  
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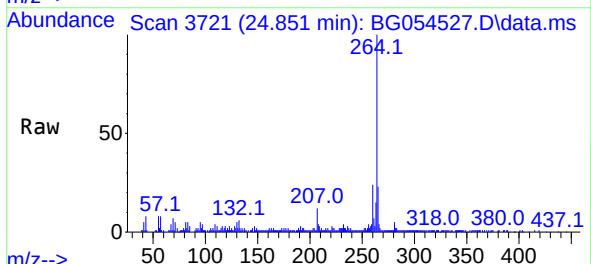
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Ion Ratio Lower Upper  
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122 4.3 5.0 7.4

Manual Integrations  
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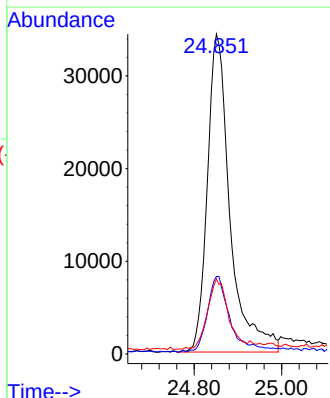
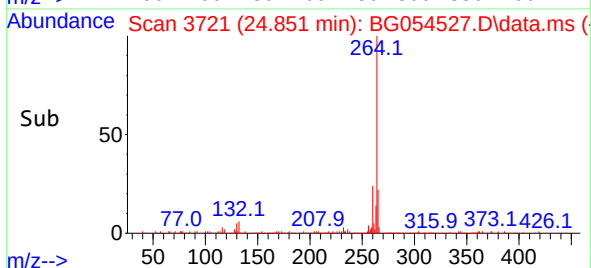
Reviewed By :Christian Giraldo 08/05/2022  
Supervised By :Jagrut Upadhyay 08/05/2022

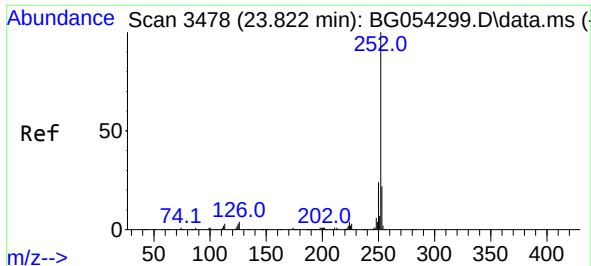


#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 24.851 min Scan# 3721  
Delta R.T. 0.018 min  
Lab File: BG054527.D  
Acq: 4 Aug 2022 20:37



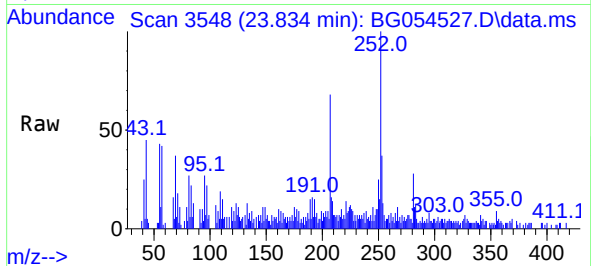
Tgt Ion:264 Resp: 123203  
Ion Ratio Lower Upper  
264 100  
260 24.2 19.0 28.6  
265 23.5 17.4 26.2





#88  
Benzo(b)fluoranthene  
Concen: 2.87 ng  
RT: 23.834 min Scan# 31  
Delta R.T. 0.012 min  
Lab File: BG054527.D  
Acq: 4 Aug 2022 20:37

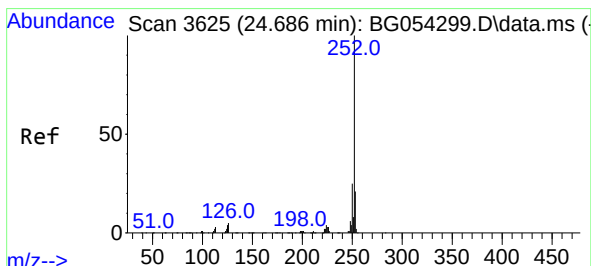
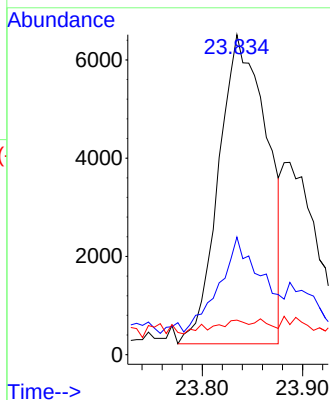
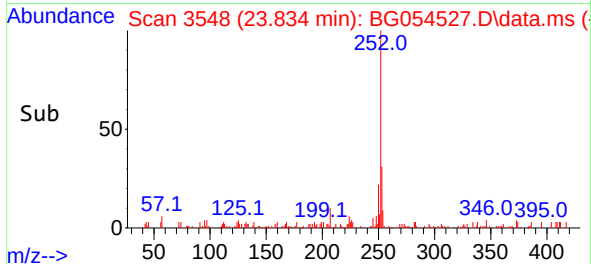
Instrument :  
BNA\_G  
ClientSampleId :  
RVE-99



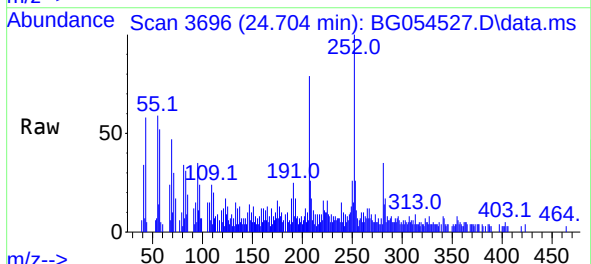
Tgt Ion:252 Resp: 2094  
Ion Ratio Lower Upper  
252 100  
253 36.7 18.0 27.0  
125 10.8 4.6 6.8

Manual Integrations  
APPROVED

Reviewed By :Christian Giraldo 08/05/2022  
Supervised By :Jagrut Upadhyay 08/05/2022



#90  
Benzo(a)pyrene  
Concen: 2.33 ng  
RT: 24.704 min Scan# 3696  
Delta R.T. 0.018 min  
Lab File: BG054527.D  
Acq: 4 Aug 2022 20:37



Tgt Ion:252 Resp: 14519  
Ion Ratio Lower Upper  
252 100  
253 25.6 17.8 26.8  
125 13.4 4.3 6.5

