

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG111822\  
 Data File : BG055699.D  
 Acq On : 18 Nov 2022 20:57  
 Operator : CG/JU  
 Sample : N5528-01  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SAMPLE-3

Manual Integrations  
 APPROVED

Reviewed By :Christian Giraldo 11/21/2022  
 Supervised By :Jagrut Upadhyay 11/21/2022

Quant Time: Nov 18 23:59:47 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG111622.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 17 02:02:46 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.250  | 152  | 42534    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 11.076 | 136  | 185454   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.872 | 164  | 132467   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.610 | 188  | 272326   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 21.911 | 240  | 251355   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 25.330 | 264  | 268964   | 20.000 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.782  | 112  | 230495   | 97.951 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.392  | 99   | 297111   | 94.849 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.419  | 82   | 194675   | 55.483 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.352 | 330  | 158488   | 84.966 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.497 | 172  | 496948   | 56.202 | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.201 | 244  | 694750   | 55.284 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 71) Phenanthrene              | 17.651 | 178  | 52618    | 3.580  | ng    | 98       |
| 74) Di-n-butylphthalate       | 18.550 | 149  | 57120    | 3.584  | ng    | 98       |
| 75) Fluoranthene              | 19.649 | 202  | 163418   | 9.140  | ng    | 99       |
| 78) Pyrene                    | 20.013 | 202  | 130917   | 7.695  | ng    | 98       |
| 81) Benzo(a)anthracene        | 21.893 | 228  | 79894    | 4.615  | ng    | 95       |
| 83) Chrysene                  | 21.958 | 228  | 131959   | 8.007  | ng    | 97       |
| 84) Bis(2-ethylhexyl)phtha... | 21.770 | 149  | 171095   | 17.874 | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 29.255 | 276  | 67847    | 3.079  | ng    | # 92     |
| 88) Benzo(b)fluoranthene      | 24.237 | 252  | 184823   | 10.551 | ng    | # 94     |
| 89) Benzo(k)fluoranthene      | 24.302 | 252  | 56902m   | 3.259  | ng    |          |
| 90) Benzo(a)pyrene            | 25.160 | 252  | 75364    | 5.014  | ng    | # 90     |
| 92) Benzo(g,h,i)perylene      | 30.501 | 276  | 69194    | 3.813  | ng    | 97       |
| -----                         |        |      |          |        |       |          |

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

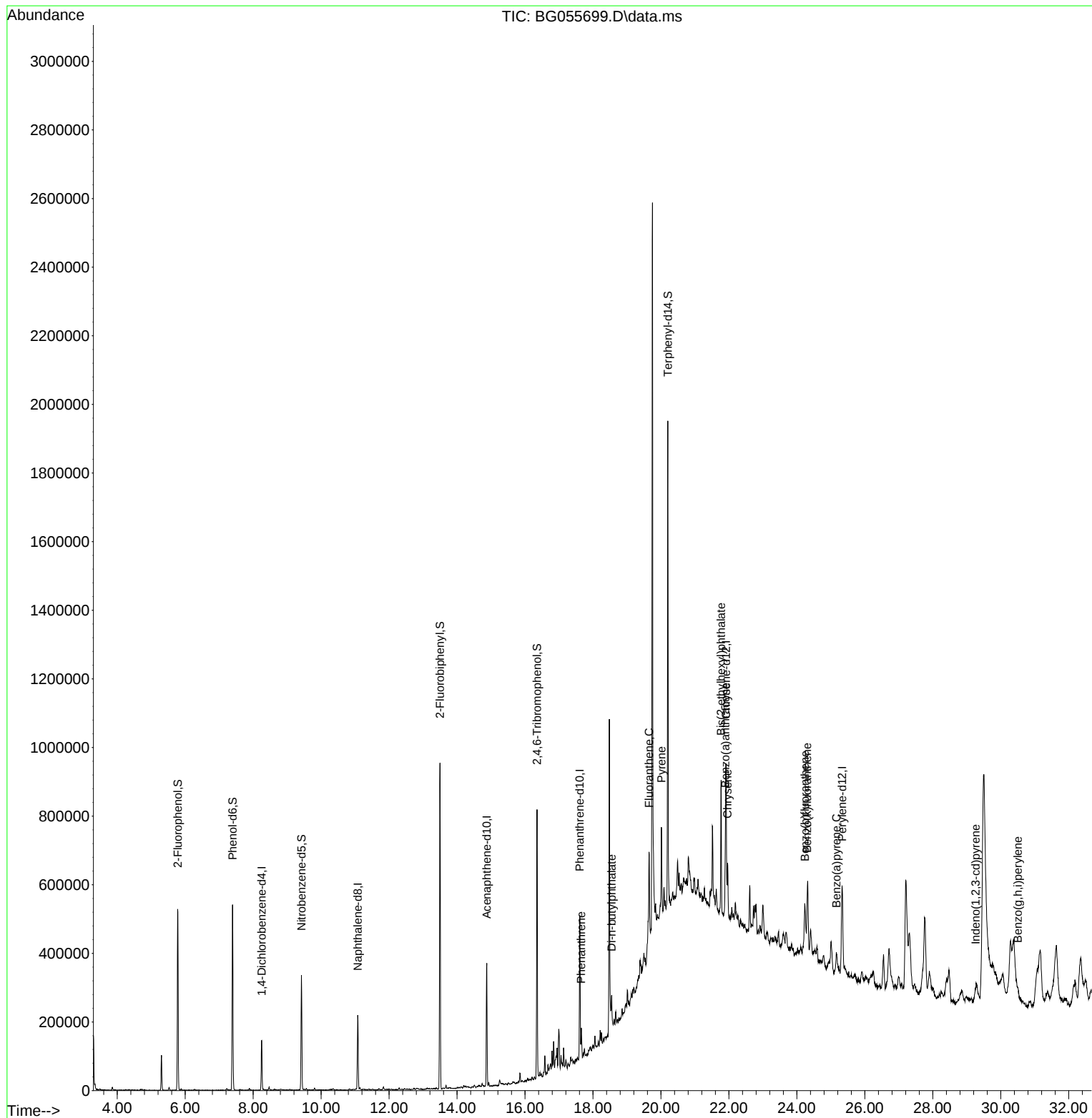
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG111822\  
Data File : BG055699.D  
Acq On : 18 Nov 2022 20:57  
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ALS Vial : 9 Sample Multiplier: 1

Instrument :  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Nov 17 02:02:46 2022  
Response via : Initial Calibration

Manual Integrations  
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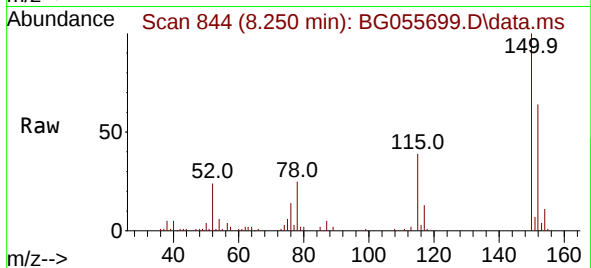
Reviewed By : Christian Giraldo 11/21/2022  
Supervised By : Jagrut Upadhyay 11/21/2022





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.250 min Scan# 845  
Delta R.T. -0.003 min  
Lab File: BG055699.D  
Acq: 18 Nov 2022 20:57

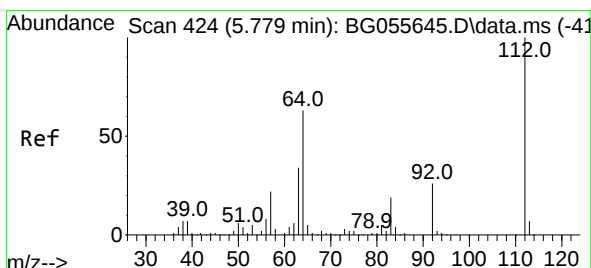
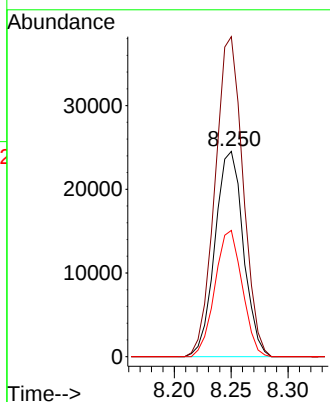
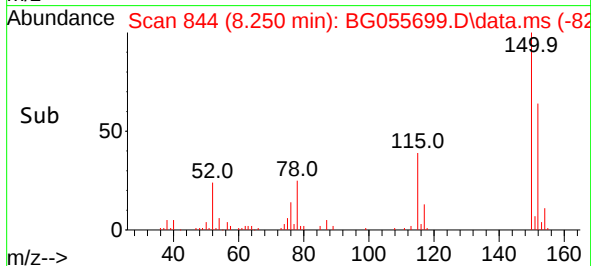
Instrument :  
BNA\_G  
ClientSampleId :  
SAMPLE-3



Tgt Ion:152 Resp: 42534  
Ion Ratio Lower Upper  
152 100  
150 155.9 123.0 184.6  
115 61.5 47.0 70.4

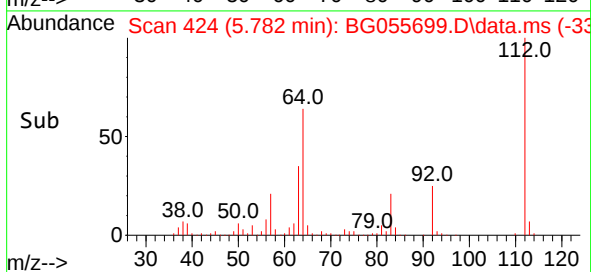
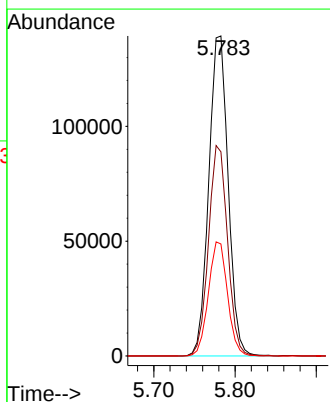
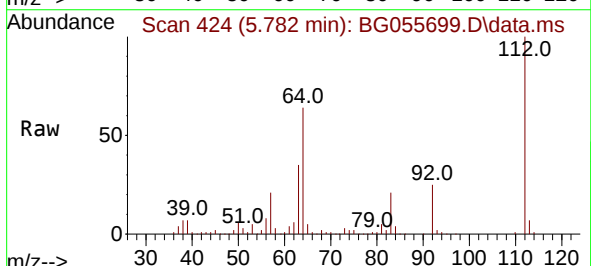
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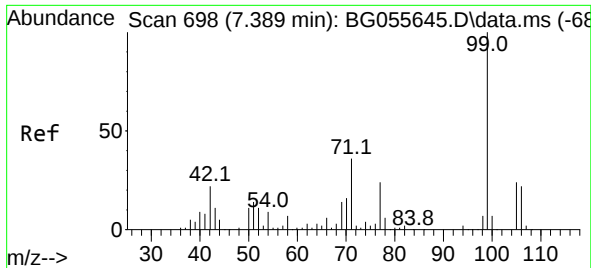
Reviewed By :Christian Giraldo 11/21/2022  
Supervised By :Jagrut Upadhyay 11/21/2022



#5  
2-Fluorophenol  
Concen: 97.951 ng  
RT: 5.782 min Scan# 424  
Delta R.T. 0.003 min  
Lab File: BG055699.D  
Acq: 18 Nov 2022 20:57

Tgt Ion:112 Resp: 230495  
Ion Ratio Lower Upper  
112 100  
64 63.8 50.6 76.0  
63 35.0 27.5 41.3





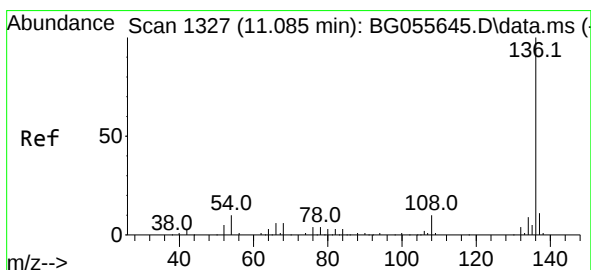
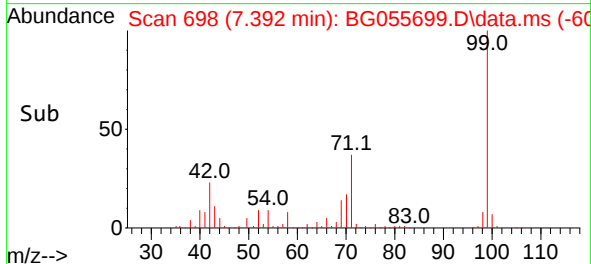
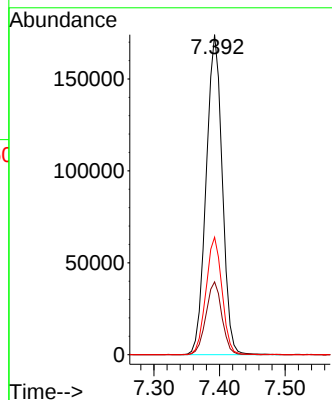
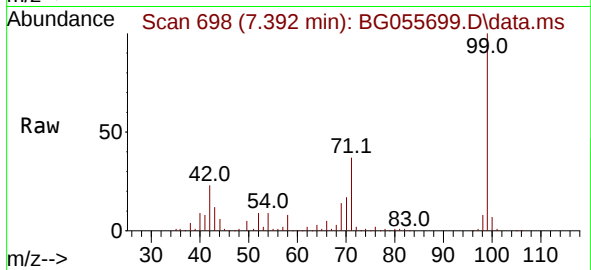
#7  
Phenol-d6  
Concen: 94.849 ng  
RT: 7.392 min Scan# 698  
Delta R.T. 0.003 min  
Lab File: BG055699.D  
Acq: 18 Nov 2022 20:57

Instrument :  
BNA\_G  
ClientSampleId :  
SAMPLE-3

Tgt Ion: 99 Resp: 29711  
Ion Ratio Lower Upper  
99 100  
42 22.8 18.0 27.0  
71 36.7 29.0 43.6

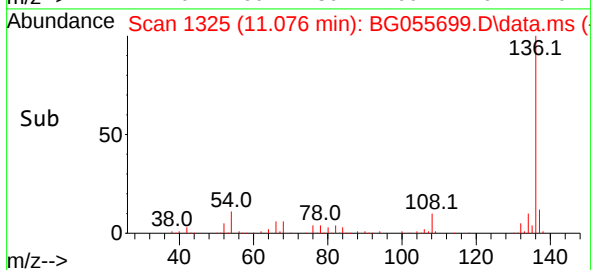
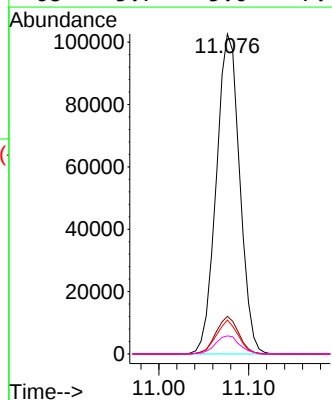
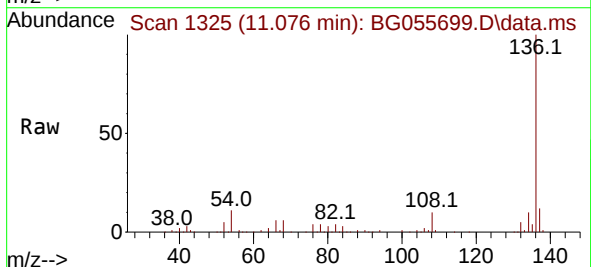
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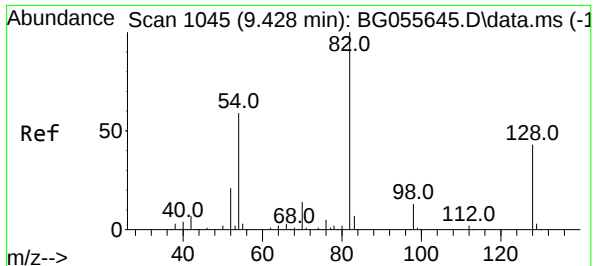
Reviewed By :Christian Giraldo 11/21/2022  
Supervised By :Jagrut Upadhyay 11/21/2022



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.076 min Scan# 1325  
Delta R.T. -0.008 min  
Lab File: BG055699.D  
Acq: 18 Nov 2022 20:57

Tgt Ion:136 Resp: 185454  
Ion Ratio Lower Upper  
136 100  
137 11.8 9.0 13.6  
54 10.6 7.8 11.6  
68 5.7 5.0 7.4





#23  
Nitrobenzene-d5  
Concen: 55.483 ng  
RT: 9.419 min Scan# 1043  
Delta R.T. -0.008 min  
Lab File: BG055699.D  
Acq: 18 Nov 2022 20:57

Instrument :

BNA\_G

ClientSampleId :

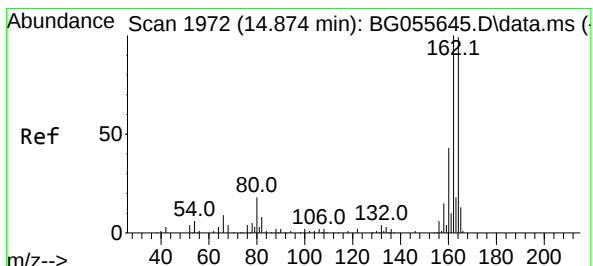
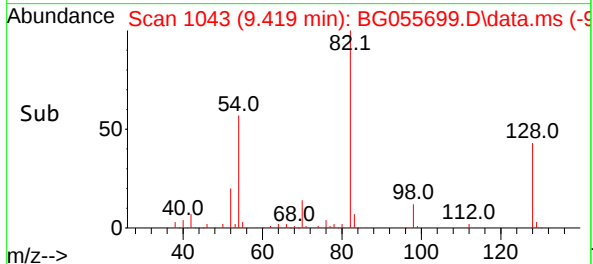
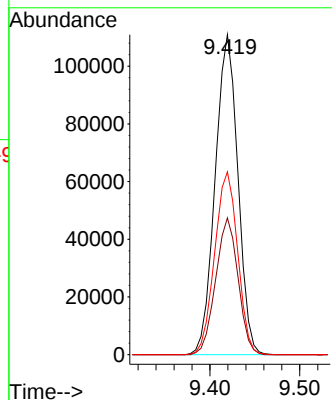
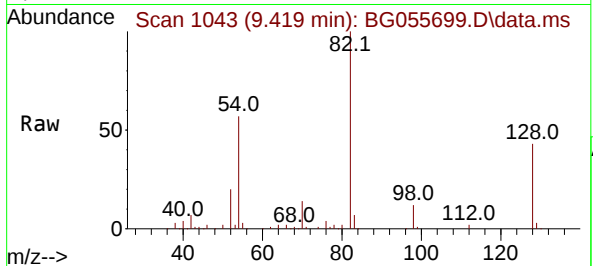
SAMPLE-3

Tgt Ion: 82 Resp: 194679  
Ion Ratio Lower Upper  
82 100  
128 42.7 34.1 51.1  
54 57.1 47.3 70.9

Manual Integrations

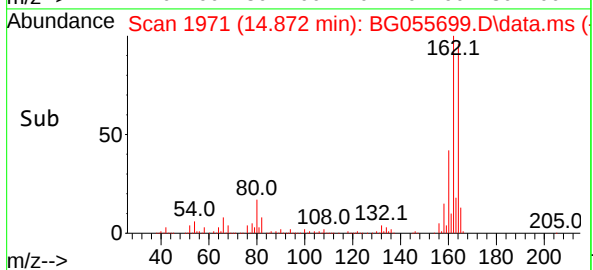
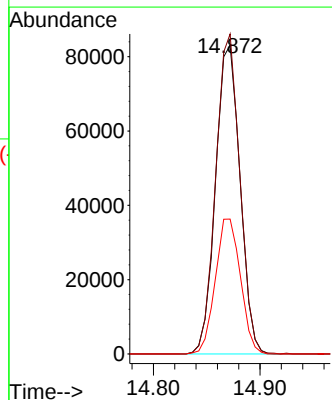
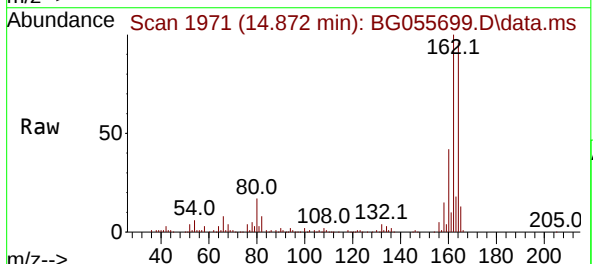
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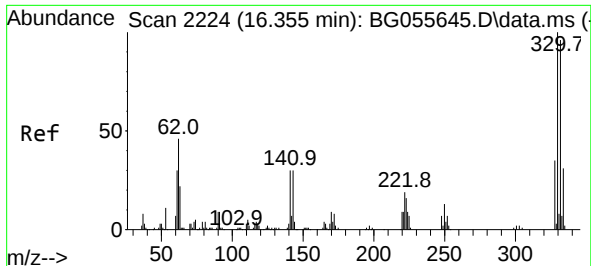
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Supervised By :Jagrut Upadhyay 11/21/2022



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.872 min Scan# 1971  
Delta R.T. -0.003 min  
Lab File: BG055699.D  
Acq: 18 Nov 2022 20:57

Tgt Ion:164 Resp: 132467  
Ion Ratio Lower Upper  
164 100  
162 103.6 81.1 121.7  
160 43.7 34.8 52.2





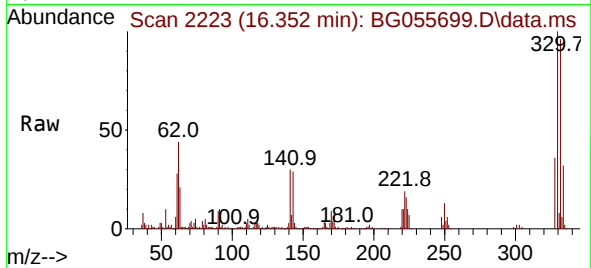
#42  
2,4,6-Tribromophenol  
Concen: 84.966 ng  
RT: 16.352 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: BG055699.D  
Acq: 18 Nov 2022 20:57

Instrument :

BNA\_G

ClientSampleId :

SAMPLE-3

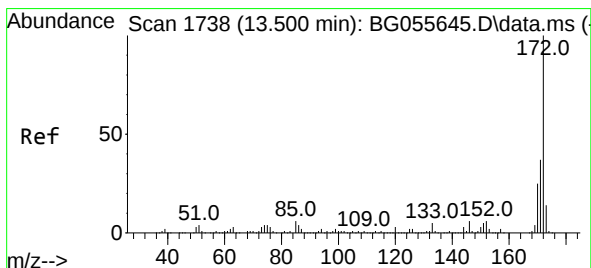
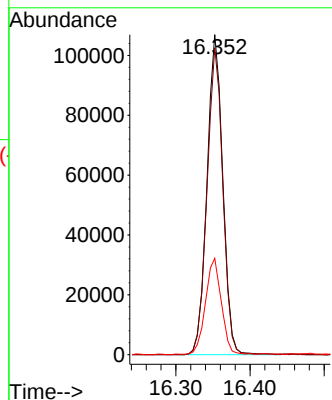
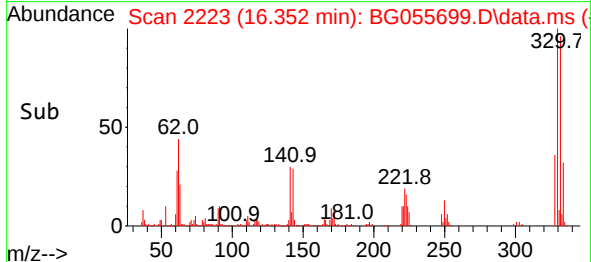


Tgt Ion:330 Resp: 15848  
Ion Ratio Lower Upper  
330 100  
332 95.9 77.8 116.8  
141 30.5 23.9 35.9

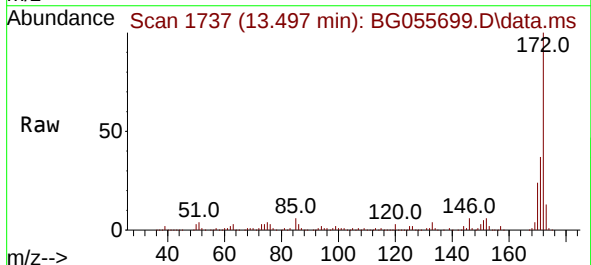
Manual Integrations

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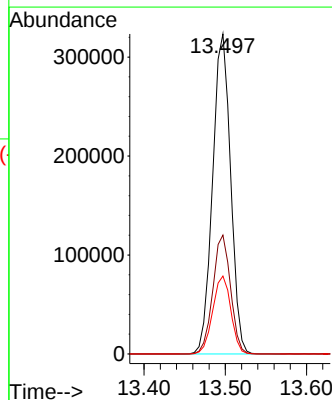
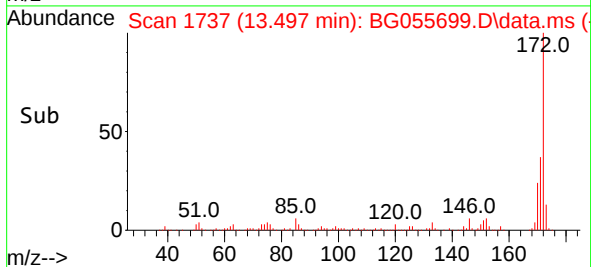
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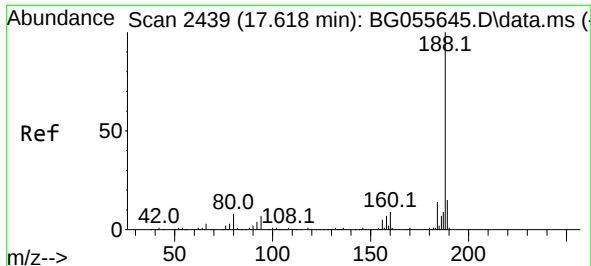


#45  
2-Fluorobiphenyl  
Concen: 56.202 ng  
RT: 13.497 min Scan# 1737  
Delta R.T. -0.003 min  
Lab File: BG055699.D  
Acq: 18 Nov 2022 20:57



Tgt Ion:172 Resp: 496948  
Ion Ratio Lower Upper  
172 100  
171 37.2 29.8 44.6  
170 24.3 20.2 30.4





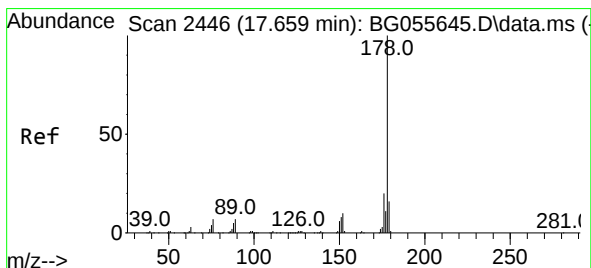
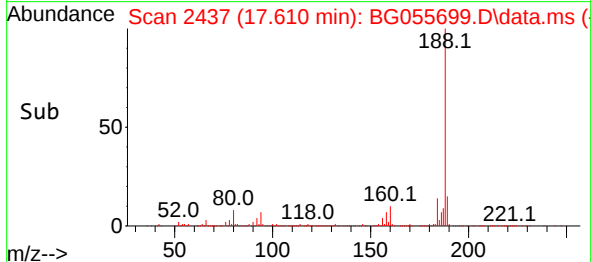
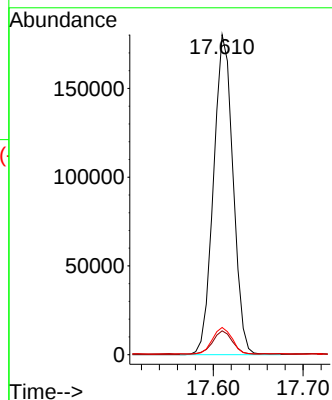
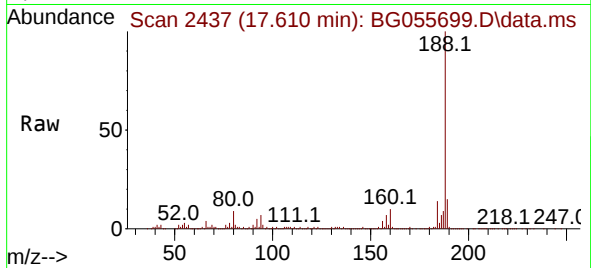
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.610 min Scan# 2439  
Delta R.T. -0.008 min  
Lab File: BG055699.D  
Acq: 18 Nov 2022 20:57

Instrument :  
BNA\_G  
ClientSampleId :  
SAMPLE-3

Tgt Ion:188 Resp: 272320  
Ion Ratio Lower Upper  
188 100  
94 7.5 5.4 8.2  
80 8.5 6.6 10.0

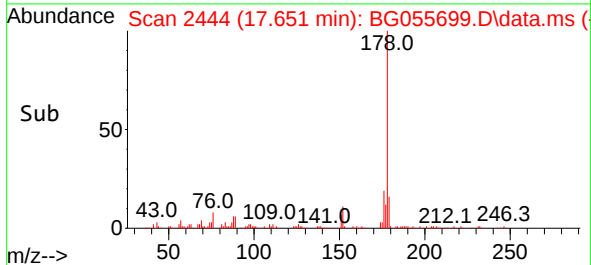
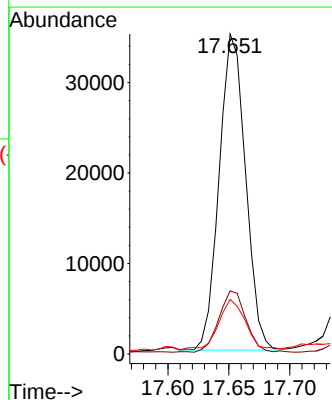
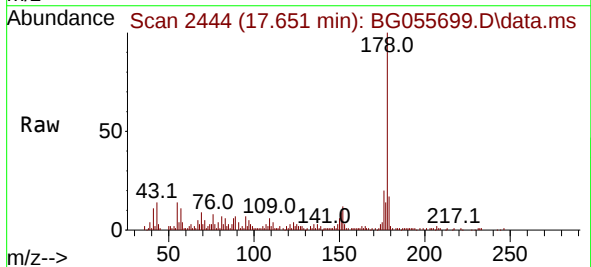
Manual Integrations  
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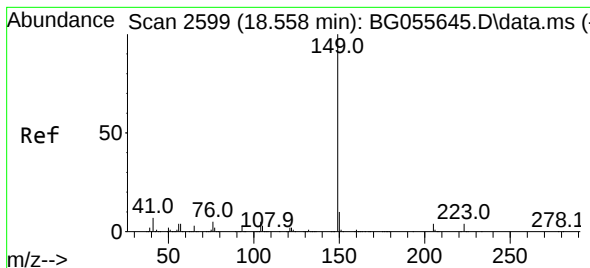
Reviewed By :Christian Giraldo 11/21/2022  
Supervised By :Jagrut Upadhyay 11/21/2022



#71  
Phenanthrene  
Concen: 3.580 ng  
RT: 17.651 min Scan# 2444  
Delta R.T. -0.008 min  
Lab File: BG055699.D  
Acq: 18 Nov 2022 20:57

Tgt Ion:178 Resp: 52618  
Ion Ratio Lower Upper  
178 100  
176 19.7 16.0 24.0  
179 17.0 12.7 19.1





#74

Di-n-butylphthalate

Concen: 3.584 ng

RT: 18.550 min Scan# 21

Delta R.T. -0.008 min

Lab File: BG055699.D

Acq: 18 Nov 2022 20:57

Instrument :

BNA\_G

ClientSampleId :

SAMPLE-3

Tgt Ion:149 Resp: 57120

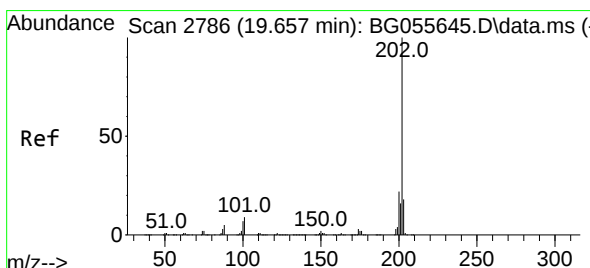
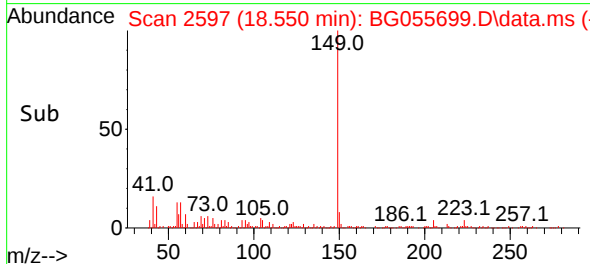
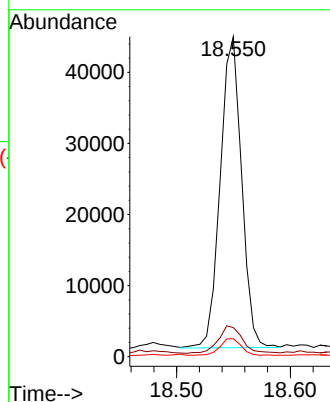
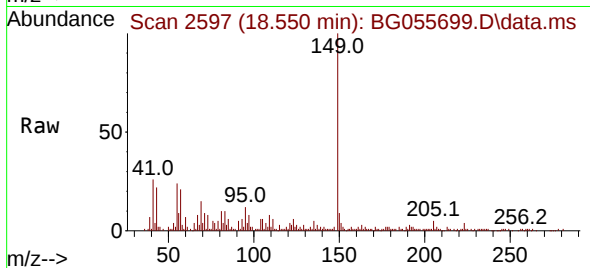
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 150 | 9.1   | 7.8   | 11.6  |
| 104 | 5.6   | 4.0   | 6.0   |

Manual Integrations

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Supervised By :Jagrut Upadhyay 11/21/2022



#75

Fluoranthene

Concen: 9.140 ng

RT: 19.649 min Scan# 2784

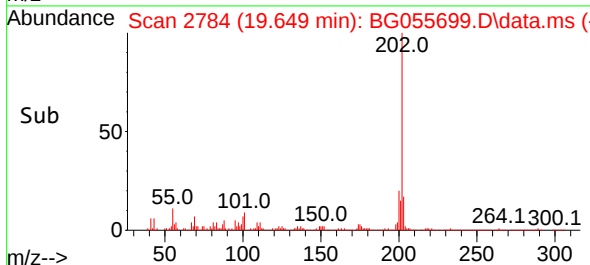
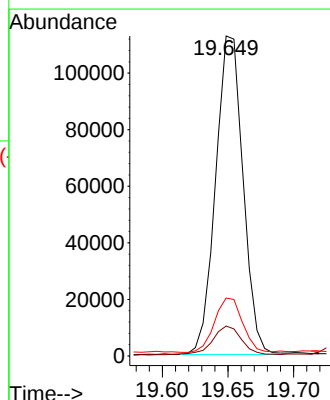
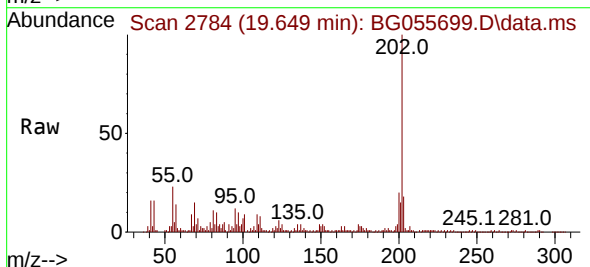
Delta R.T. -0.008 min

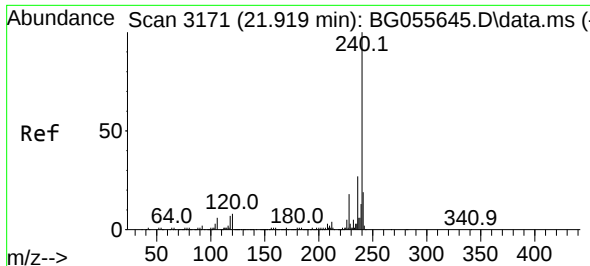
Lab File: BG055699.D

Acq: 18 Nov 2022 20:57

Tgt Ion:202 Resp: 163418

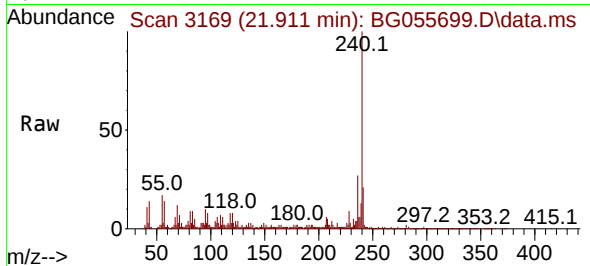
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 101 | 9.4   | 0.0   | 28.8  |
| 203 | 18.1  | 0.0   | 38.1  |





#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.911 min Scan# 3171  
Delta R.T. -0.008 min  
Lab File: BG055699.D  
Acq: 18 Nov 2022 20:57

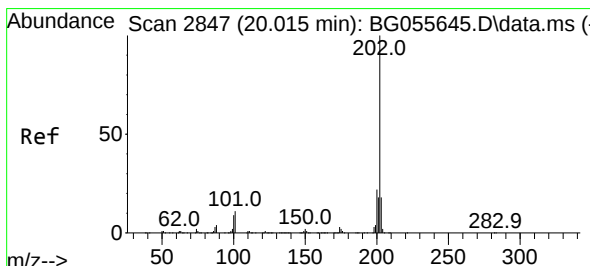
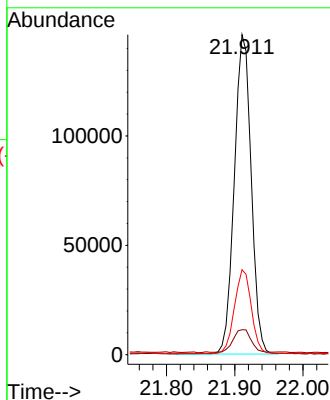
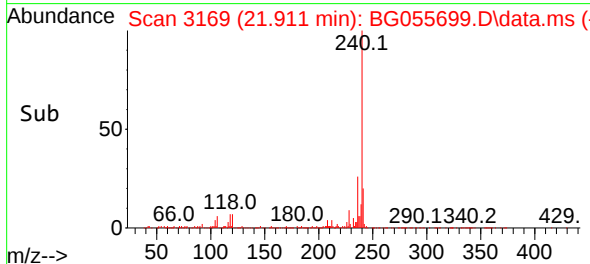
Instrument :  
BNA\_G  
ClientSampleId :  
SAMPLE-3



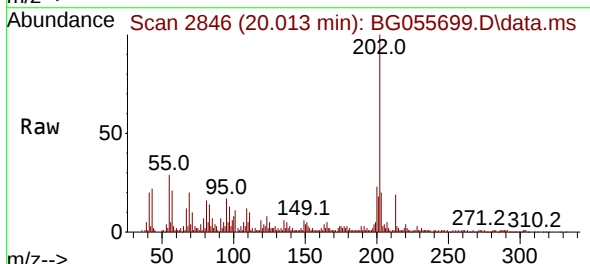
Tgt Ion:240 Resp: 25135  
Ion Ratio Lower Upper  
240 100  
120 7.8 6.3 9.5  
236 26.6 21.9 32.9

Manual Integrations  
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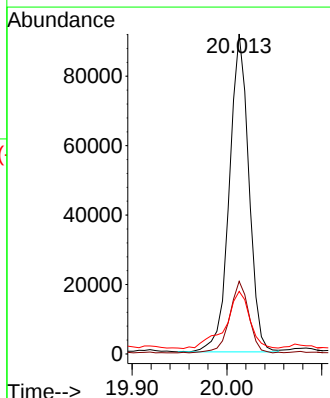
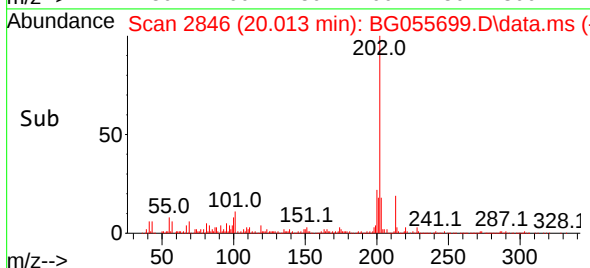
Reviewed By :Christian Giraldo 11/21/2022  
Supervised By :Jagrut Upadhyay 11/21/2022

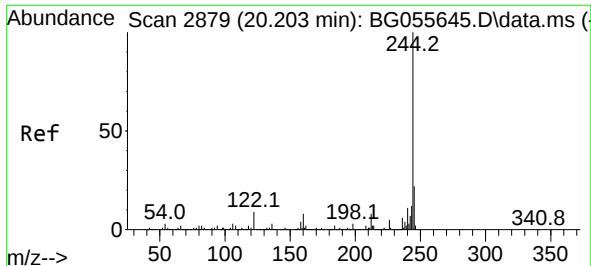


#78  
Pyrene  
Concen: 7.695 ng  
RT: 20.013 min Scan# 2846  
Delta R.T. -0.003 min  
Lab File: BG055699.D  
Acq: 18 Nov 2022 20:57



Tgt Ion:202 Resp: 130917  
Ion Ratio Lower Upper  
202 100  
200 22.7 17.8 26.6  
203 19.6 14.4 21.6





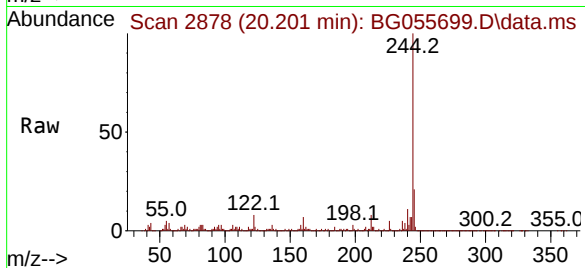
#79  
Terphenyl-d14  
Concen: 55.284 ng  
RT: 20.201 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: BG055699.D  
Acq: 18 Nov 2022 20:57

Instrument :

BNA\_G

ClientSampleId :

SAMPLE-3

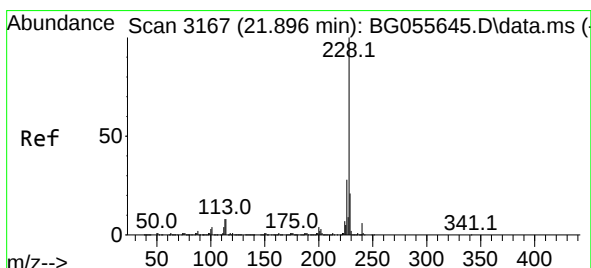
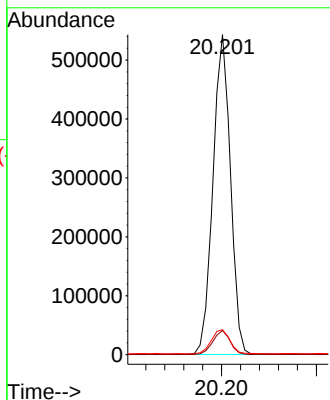
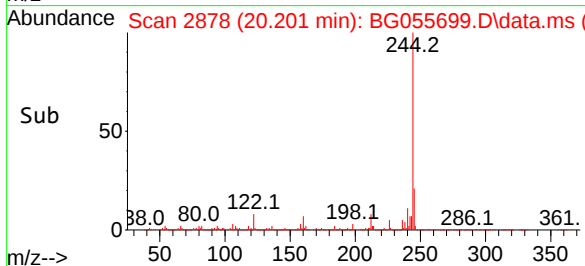


Tgt Ion:244 Resp: 694750  
Ion Ratio Lower Upper  
244 100  
212 7.6 6.3 9.5  
122 7.8 6.9 10.3

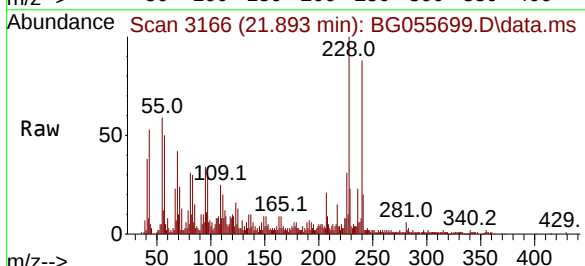
Manual Integrations

APPROVED

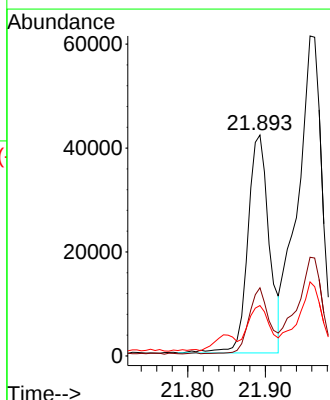
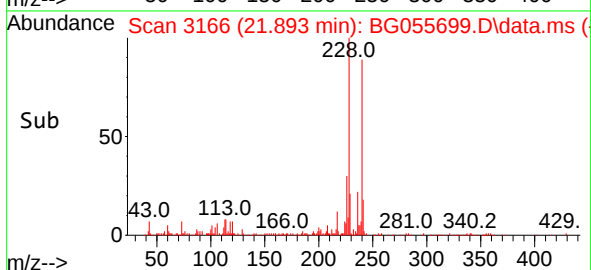
Reviewed By :Christian Giraldo 11/21/2022  
Supervised By :Jagrut Upadhyay 11/21/2022

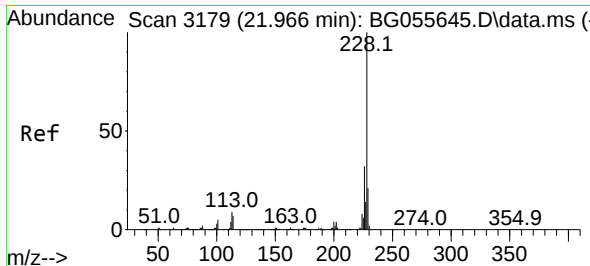


#81  
Benzo(a)anthracene  
Concen: 4.615 ng  
RT: 21.893 min Scan# 3166  
Delta R.T. -0.003 min  
Lab File: BG055699.D  
Acq: 18 Nov 2022 20:57



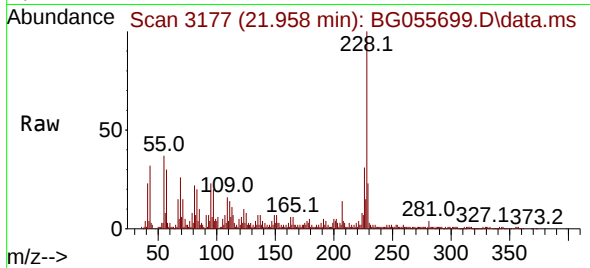
Tgt Ion:228 Resp: 79894  
Ion Ratio Lower Upper  
228 100  
226 30.8 22.7 34.1  
229 22.8 16.5 24.7





#83  
Chrysene  
Concen: 8.007 ng  
RT: 21.958 min Scan# 3177  
Delta R.T. -0.008 min  
Lab File: BG055699.D  
Acq: 18 Nov 2022 20:57

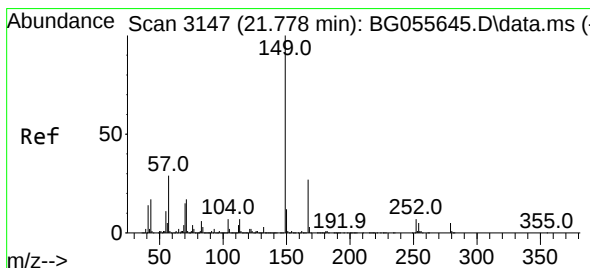
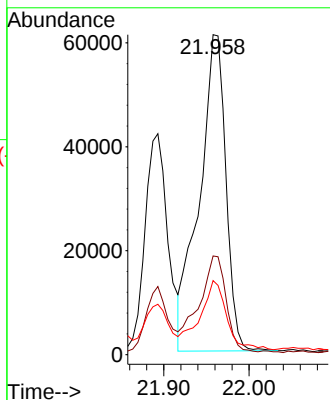
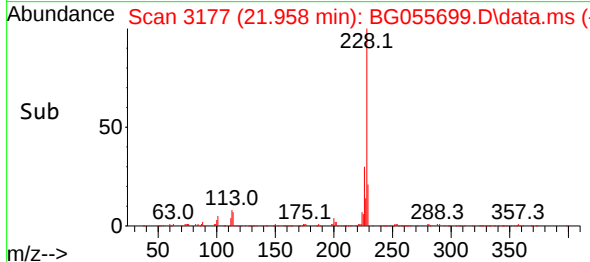
Instrument :  
BNA\_G  
ClientSampleId :  
SAMPLE-3



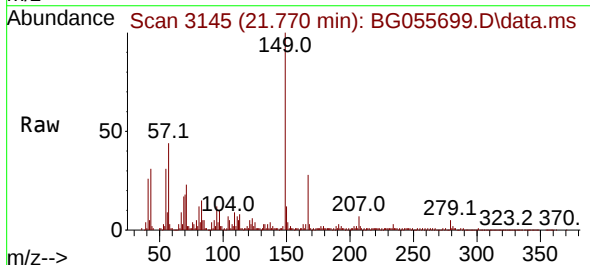
Tgt Ion:228 Resp: 131958  
Ion Ratio Lower Upper  
228 100  
226 30.8 25.4 38.2  
229 23.2 17.1 25.7

Manual Integrations  
APPROVED

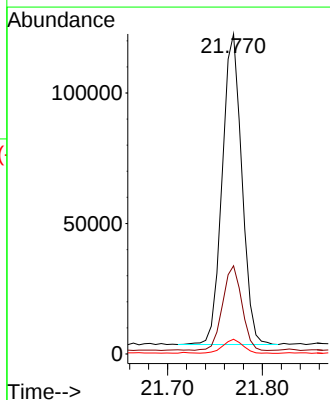
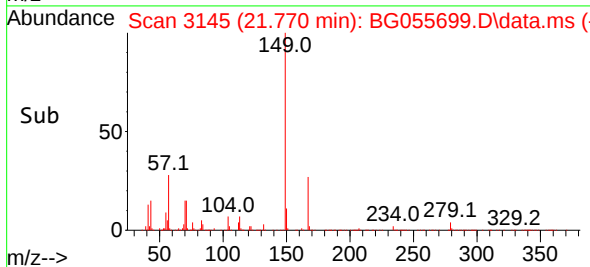
Reviewed By :Christian Giraldo 11/21/2022  
Supervised By :Jagrut Upadhyay 11/21/2022

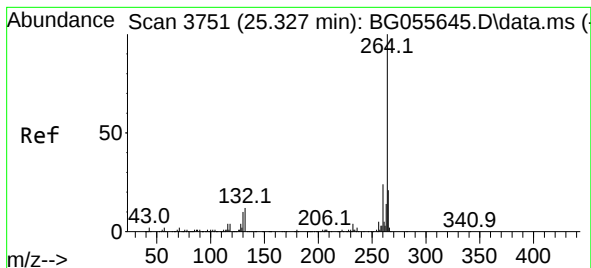


#84  
Bis(2-ethylhexyl)phthalate  
Concen: 17.874 ng  
RT: 21.770 min Scan# 3145  
Delta R.T. -0.008 min  
Lab File: BG055699.D  
Acq: 18 Nov 2022 20:57



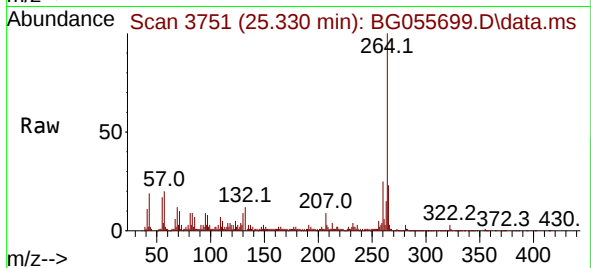
Tgt Ion:149 Resp: 171095  
Ion Ratio Lower Upper  
149 100  
167 27.6 22.0 33.0  
279 4.6 3.7 5.5





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 25.330 min Scan# 31  
Delta R.T. 0.003 min  
Lab File: BG055699.D  
Acq: 18 Nov 2022 20:57

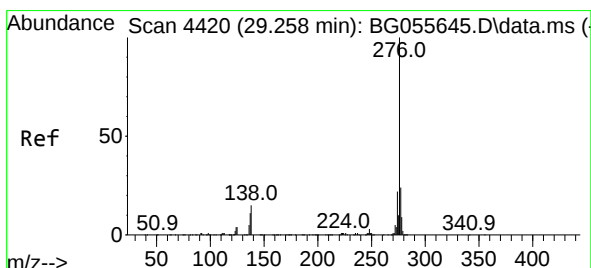
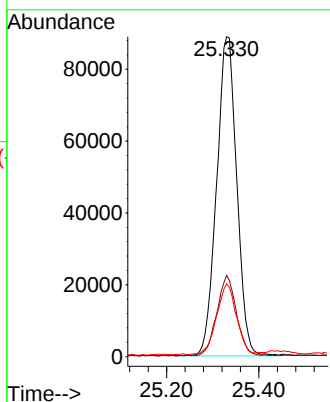
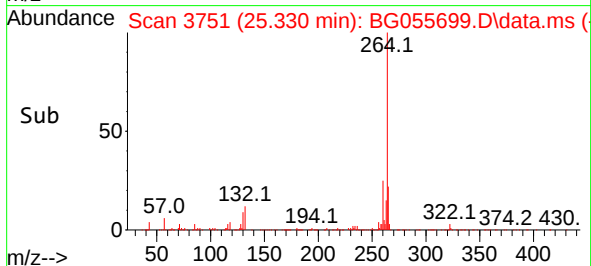
Instrument :  
BNA\_G  
ClientSampleId :  
SAMPLE-3



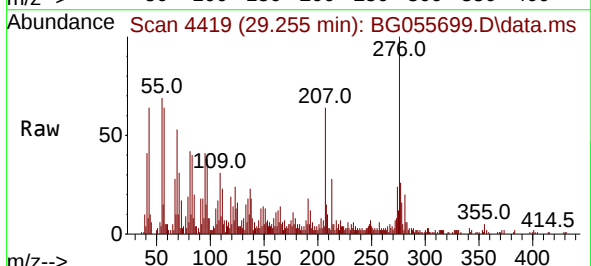
Tgt Ion:264 Resp: 268964  
Ion Ratio Lower Upper  
264 100  
260 25.4 19.5 29.3  
265 22.8 17.1 25.7

Manual Integrations  
APPROVED

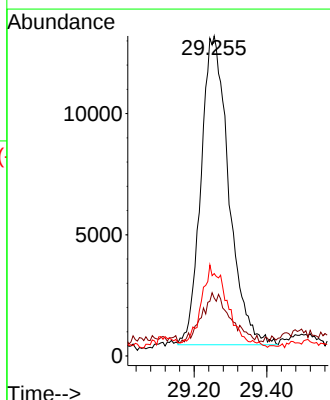
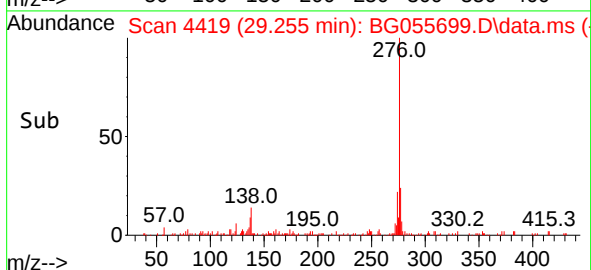
Reviewed By :Christian Giraldo 11/21/2022  
Supervised By :Jagrut Upadhyay 11/21/2022

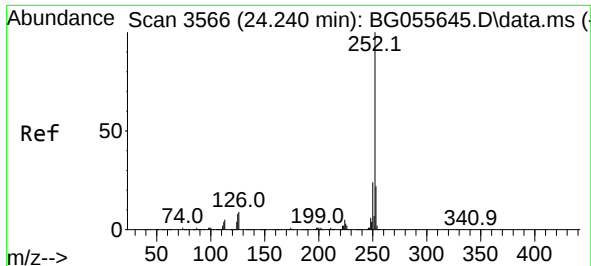


#87  
Indeno(1,2,3-cd)pyrene  
Concen: 3.079 ng  
RT: 29.255 min Scan# 4419  
Delta R.T. -0.003 min  
Lab File: BG055699.D  
Acq: 18 Nov 2022 20:57



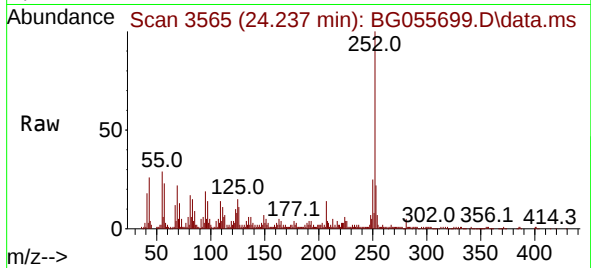
Tgt Ion:276 Resp: 67847  
Ion Ratio Lower Upper  
276 100  
138 8.6 10.4 15.6#  
277 21.7 20.2 30.4





#88  
Benzo(b)fluoranthene  
Concen: 10.551 ng  
RT: 24.237 min Scan# 3565  
Delta R.T. -0.003 min  
Lab File: BG055699.D  
Acq: 18 Nov 2022 20:57

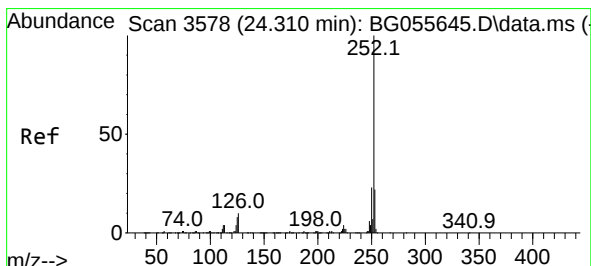
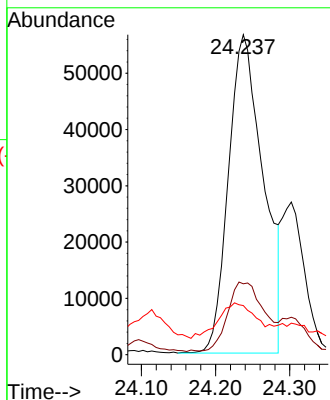
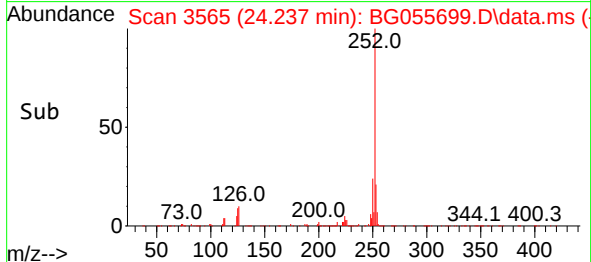
Instrument :  
BNA\_G  
ClientSampleId :  
SAMPLE-3



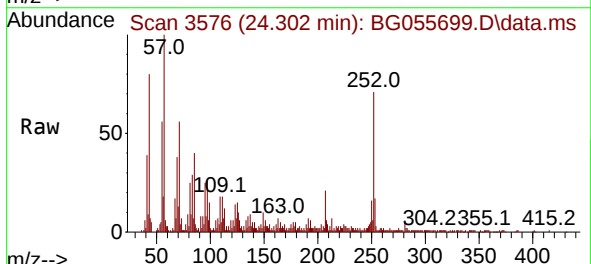
Tgt Ion:252 Resp: 18482  
Ion Ratio Lower Upper  
252 100  
253 22.2 18.0 27.0  
125 15.4 6.2 9.2

Manual Integrations  
APPROVED

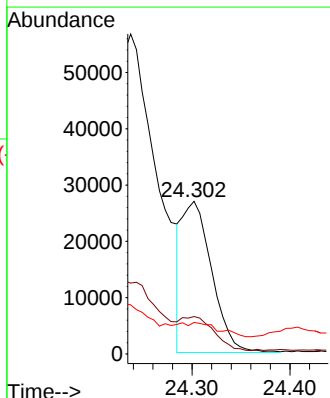
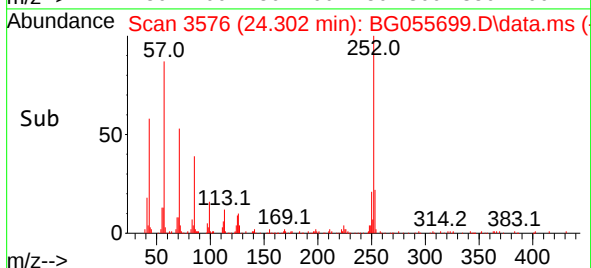
Reviewed By :Christian Giraldo 11/21/2022  
Supervised By :Jagrut Upadhyay 11/21/2022

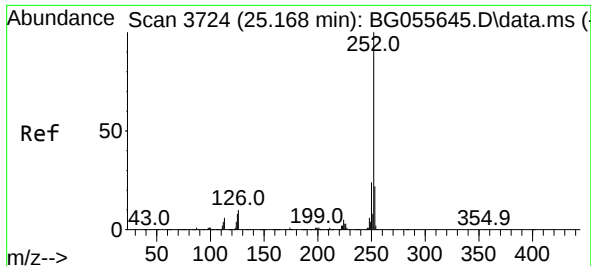


#89  
Benzo(k)fluoranthene  
Concen: 3.259 ng m  
RT: 24.302 min Scan# 3576  
Delta R.T. -0.008 min  
Lab File: BG055699.D  
Acq: 18 Nov 2022 20:57



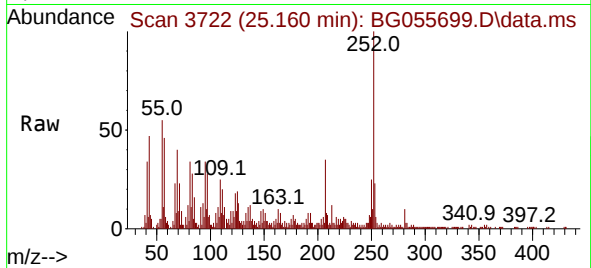
Tgt Ion:252 Resp: 56902  
Ion Ratio Lower Upper  
252 100  
253 24.5 17.8 26.6  
125 20.6 6.1 9.1





#90  
Benzo(a)pyrene  
Concen: 5.014 ng  
RT: 25.160 min Scan# 31  
Delta R.T. -0.008 min  
Lab File: BG055699.D  
Acq: 18 Nov 2022 20:57

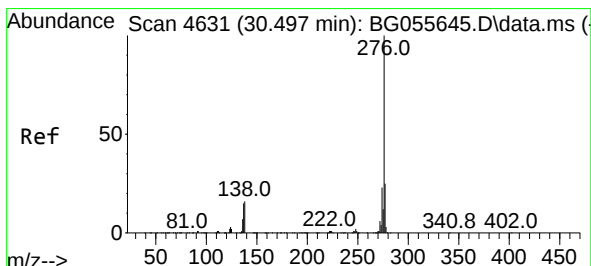
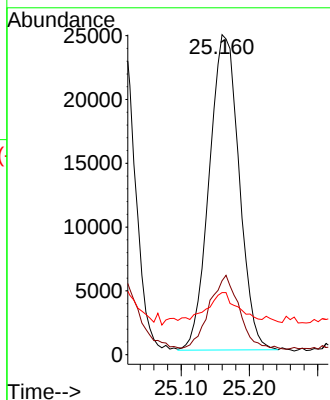
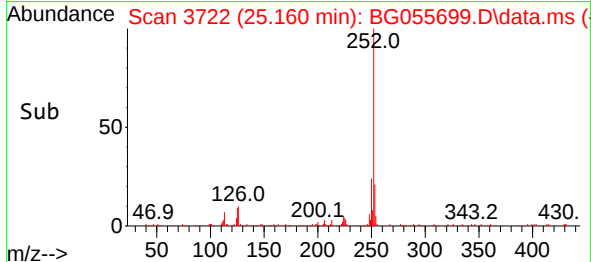
Instrument :  
BNA\_G  
ClientSampleId :  
SAMPLE-3



Tgt Ion:252 Resp: 7536  
Ion Ratio Lower Upper  
252 100  
253 23.1 17.8 26.6  
125 19.4 6.4 9.6

Manual Integrations  
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Reviewed By :Christian Giraldo 11/21/2022  
Supervised By :Jagrut Upadhyay 11/21/2022



#92  
Benzo(g,h,i)perylene  
Concen: 3.813 ng  
RT: 30.501 min Scan# 4631  
Delta R.T. 0.003 min  
Lab File: BG055699.D  
Acq: 18 Nov 2022 20:57

Tgt Ion:276 Resp: 69194  
Ion Ratio Lower Upper  
276 100  
277 24.2 19.8 29.6  
138 19.2 13.1 19.7

