

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG120722\  
 Data File : BG055917.D  
 Acq On : 7 Dec 2022 17:00  
 Operator : CG/JU  
 Sample : N5897-01  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 COMPOSITE

Quant Time: Dec 08 05:06:46 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG111622.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 07 05:04:10 2022  
 Response via : Initial Calibration

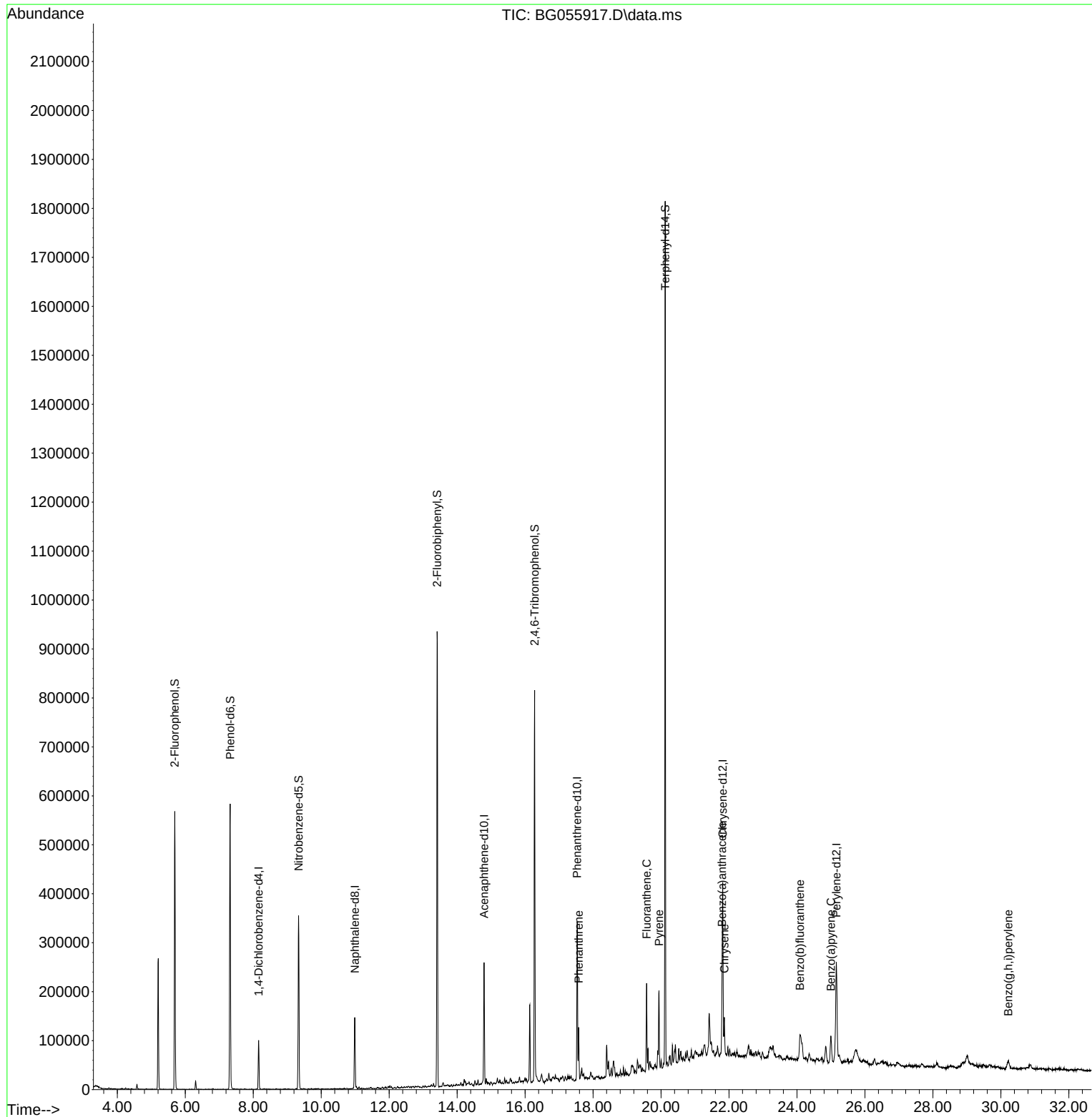
| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 8.160  | 152  | 28884    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.986 | 136  | 122407   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.794 | 164  | 87274    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.532 | 188  | 214203   | 20.000  | ng    | -0.01    |
| 76) Chrysene-d12            | 21.815 | 240  | 195296   | 20.000  | ng    | -0.01    |
| 86) Perylene-d12            | 25.158 | 264  | 226131   | 20.000  | ng    | -0.02    |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.693  | 112  | 233533   | 146.142 | ng    | 0.00     |
| 7) Phenol-d6                | 7.320  | 99   | 314962   | 148.065 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.335  | 82   | 201829   | 87.149  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.280 | 330  | 164106   | 133.536 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.413 | 172  | 495862   | 85.119  | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.123 | 244  | 840840   | 86.115  | ng    | 0.00     |
| Target Compounds            |        |      |          |         |       |          |
|                             |        |      |          |         |       | Qvalue   |
| 71) Phenanthrene            | 17.579 | 178  | 63973    | 5.534   | ng    | 98       |
| 75) Fluoranthene            | 19.576 | 202  | 109628   | 7.796   | ng    | 99       |
| 78) Pyrene                  | 19.941 | 202  | 101293   | 7.663   | ng    | 99       |
| 81) Benzo(a)anthracene      | 21.797 | 228  | 64030    | 4.760   | ng    | 99       |
| 83) Chrysene                | 21.862 | 228  | 54836    | 4.282   | ng    | 98       |
| 88) Benzo(b)fluoranthene    | 24.089 | 252  | 70614    | 4.795   | ng    | # 96     |
| 90) Benzo(a)pyrene          | 24.999 | 252  | 58529    | 4.631   | ng    | # 95     |
| 92) Benzo(g,h,i)perylene    | 30.217 | 276  | 33054    | 2.166   | ng    | 96       |
| -----                       |        |      |          |         |       |          |

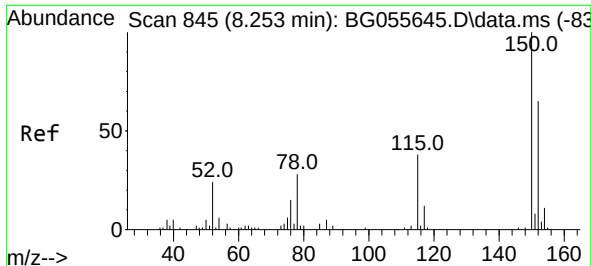
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG120722\  
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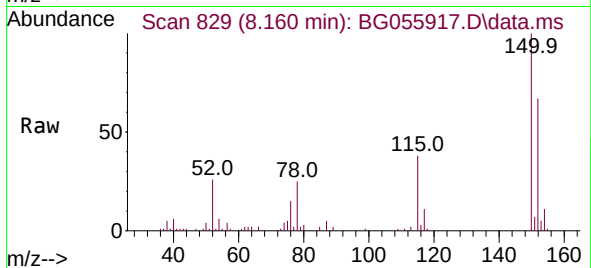
Quant Time: Dec 08 05:06:46 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG111622.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 07 05:04:10 2022  
Response via : Initial Calibration



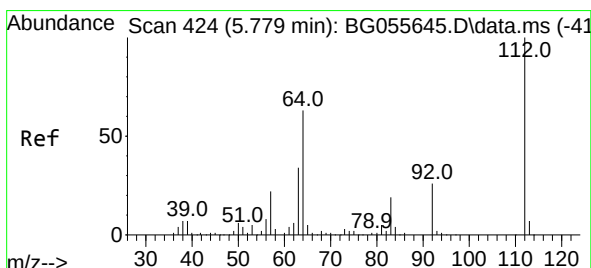
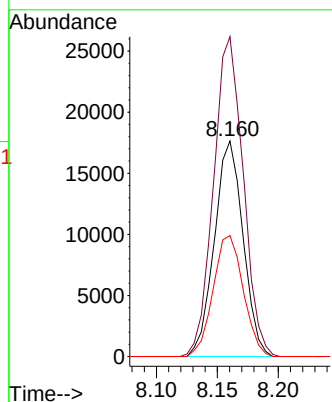
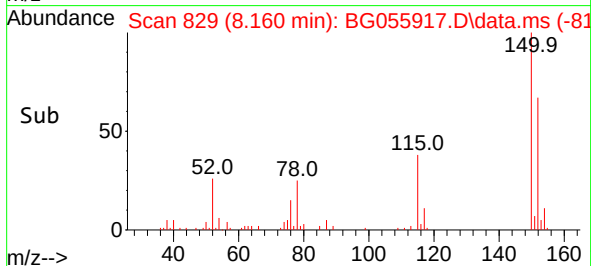


#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.160 min Scan# 81  
Delta R.T. -0.002 min  
Lab File: BG055917.D  
Acq: 7 Dec 2022 17:00

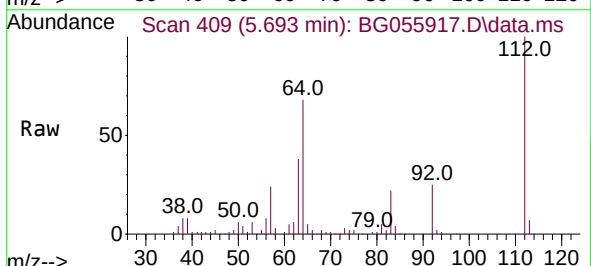
Instrument :  
BNA\_G  
ClientSampleId :  
COMPOSITE



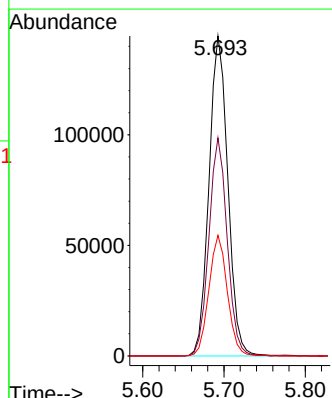
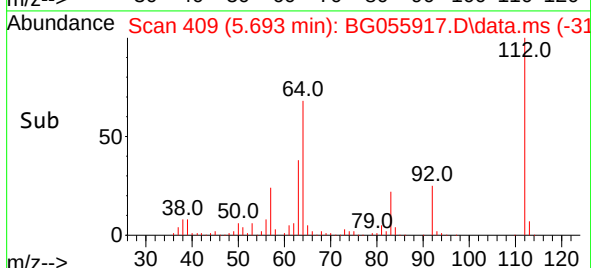
Tgt Ion:152 Resp: 28884  
Ion Ratio Lower Upper  
152 100  
150 148.4 123.0 184.6  
115 56.1 47.0 70.4

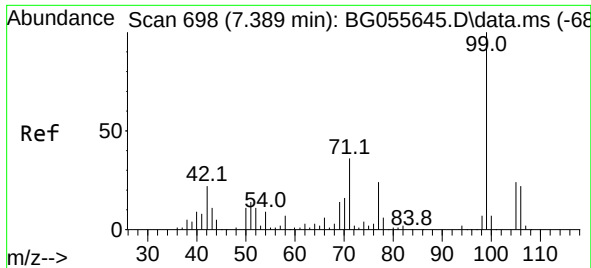


#5  
2-Fluorophenol  
Concen: 146.142 ng  
RT: 5.693 min Scan# 409  
Delta R.T. -0.002 min  
Lab File: BG055917.D  
Acq: 7 Dec 2022 17:00



Tgt Ion:112 Resp: 233533  
Ion Ratio Lower Upper  
112 100  
64 68.1 50.6 76.0  
63 37.7 27.5 41.3

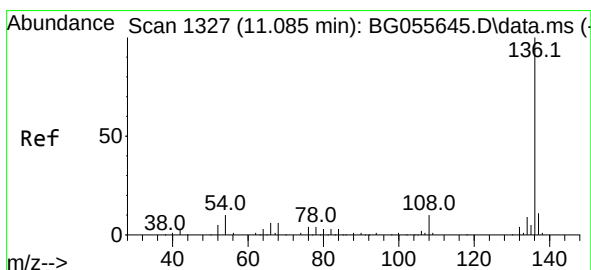
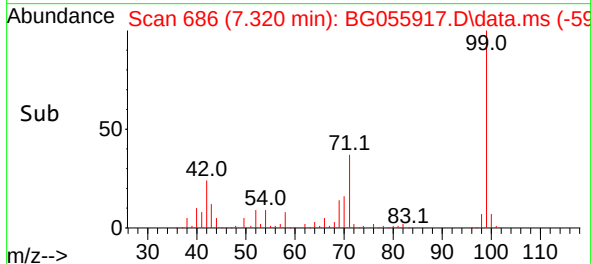
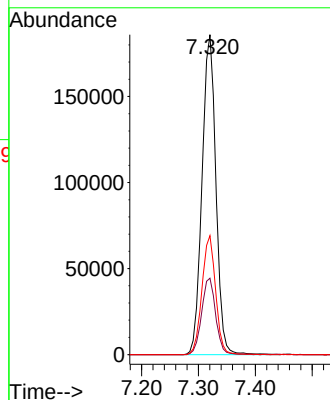
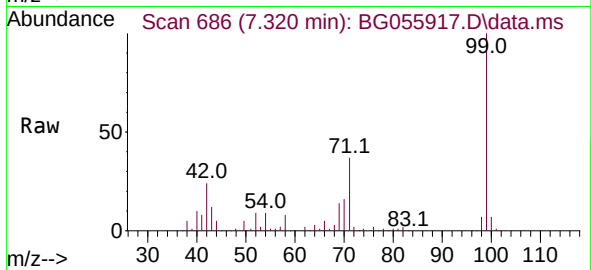




#7  
Phenol-d6  
Concen: 148.065 ng  
RT: 7.320 min Scan# 68  
Delta R.T. -0.002 min  
Lab File: BG055917.D  
Acq: 7 Dec 2022 17:00

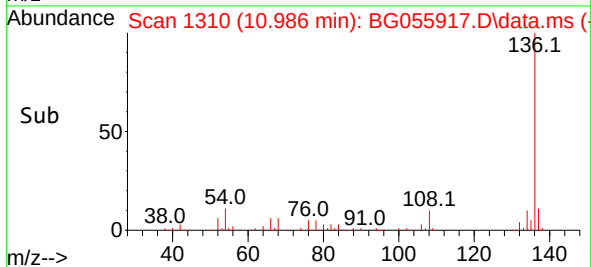
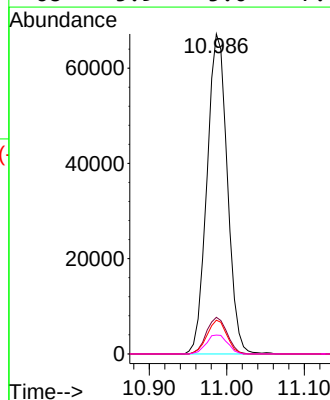
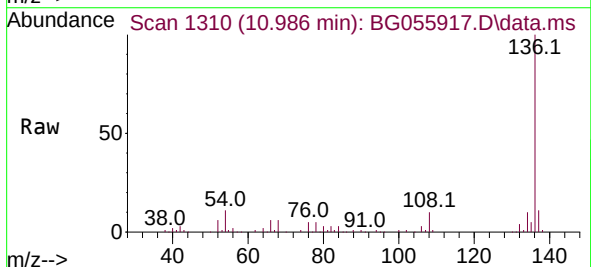
Instrument :  
BNA\_G  
ClientSampleId :  
COMPOSITE

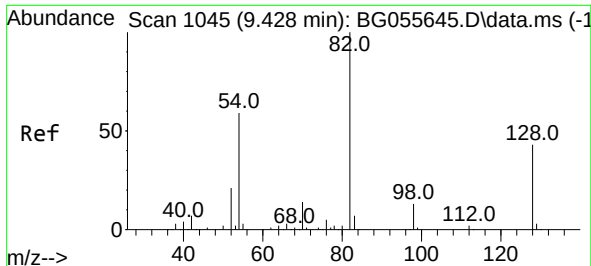
Tgt Ion: 99 Resp: 314962  
Ion Ratio Lower Upper  
99 100  
42 23.9 18.0 27.0  
71 37.2 29.0 43.6



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.986 min Scan# 1310  
Delta R.T. -0.008 min  
Lab File: BG055917.D  
Acq: 7 Dec 2022 17:00

Tgt Ion:136 Resp: 122407  
Ion Ratio Lower Upper  
136 100  
137 11.4 9.0 13.6  
54 10.5 7.8 11.6  
68 5.9 5.0 7.4





#23  
Nitrobenzene-d5  
Concen: 87.149 ng  
RT: 9.335 min Scan# 10  
Delta R.T. -0.008 min  
Lab File: BG055917.D  
Acq: 7 Dec 2022 17:00

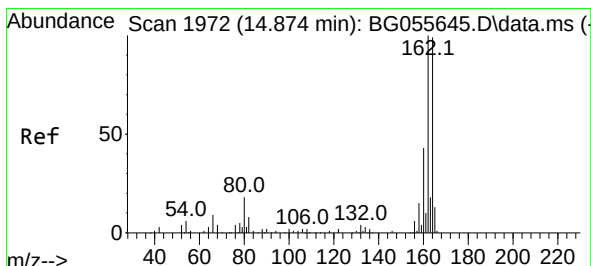
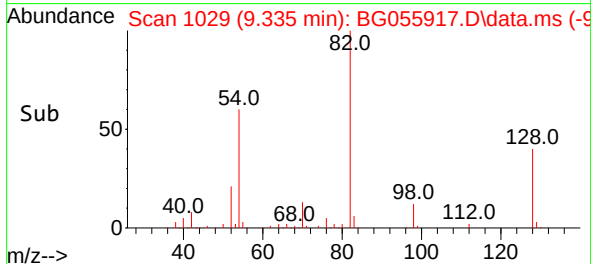
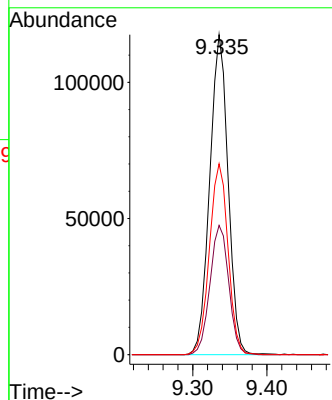
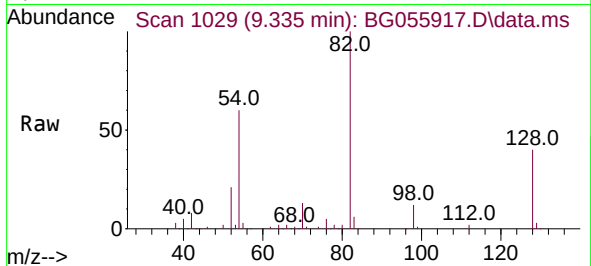
Instrument :

BNA\_G

ClientSampleId :

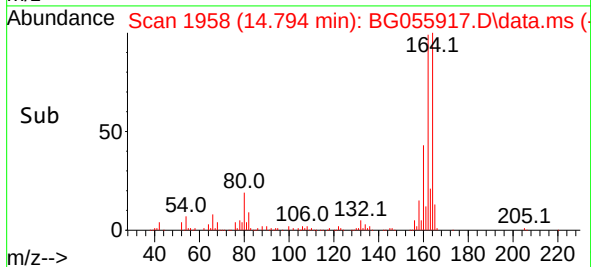
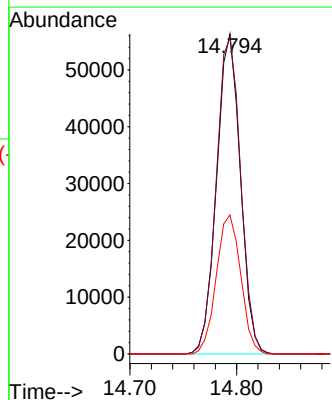
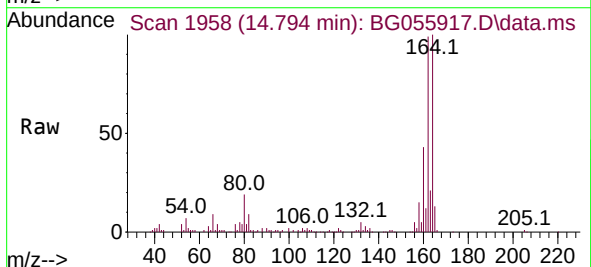
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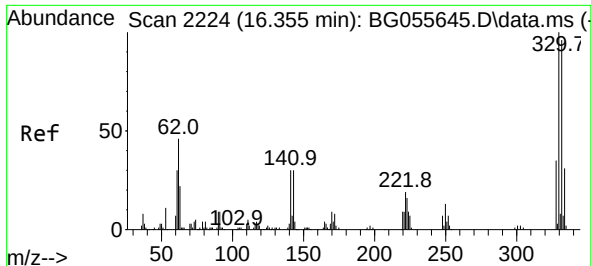
Tgt Ion: 82 Resp: 201829  
Ion Ratio Lower Upper  
82 100  
128 40.4 34.1 51.1  
54 59.6 47.3 70.9



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.794 min Scan# 1958  
Delta R.T. -0.008 min  
Lab File: BG055917.D  
Acq: 7 Dec 2022 17:00

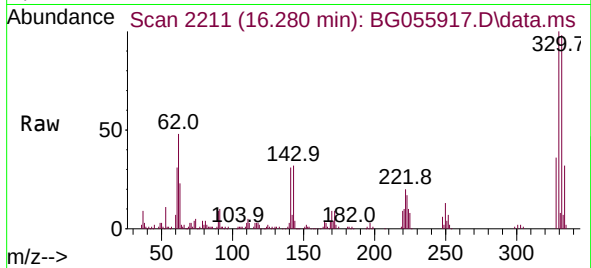
Tgt Ion:164 Resp: 87274  
Ion Ratio Lower Upper  
164 100  
162 98.8 81.1 121.7  
160 43.4 34.8 52.2



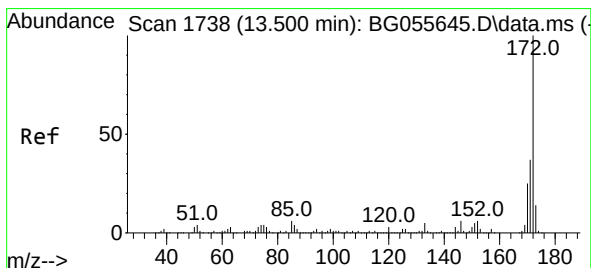
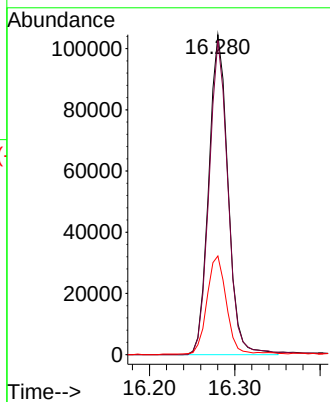
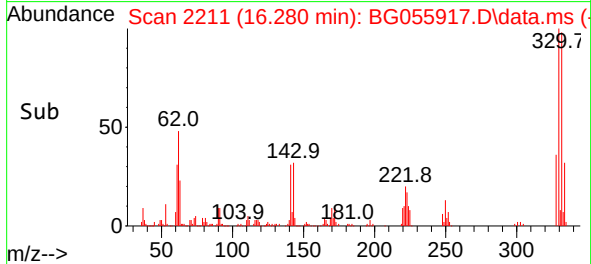


#42  
 2,4,6-Tribromophenol  
 Concen: 133.536 ng  
 RT: 16.280 min Scan# 21  
 Delta R.T. -0.008 min  
 Lab File: BG055917.D  
 Acq: 7 Dec 2022 17:00

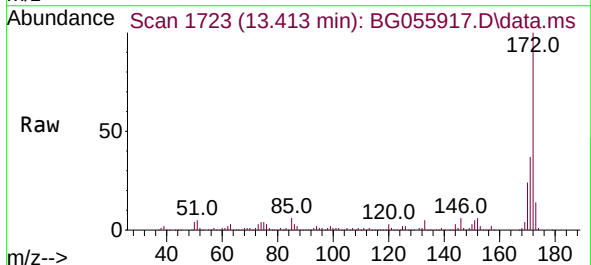
Instrument :  
 BNA\_G  
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 COMPOSITE



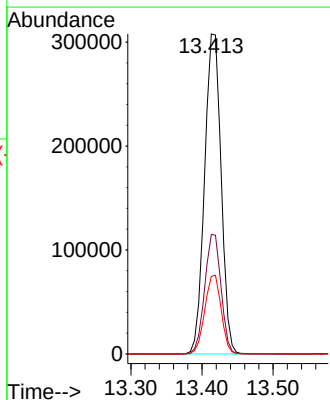
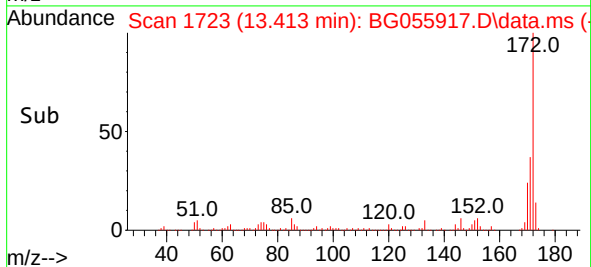
Tgt Ion:330 Resp: 164106  
 Ion Ratio Lower Upper  
 330 100  
 332 97.1 77.8 116.8  
 141 31.8 23.9 35.9

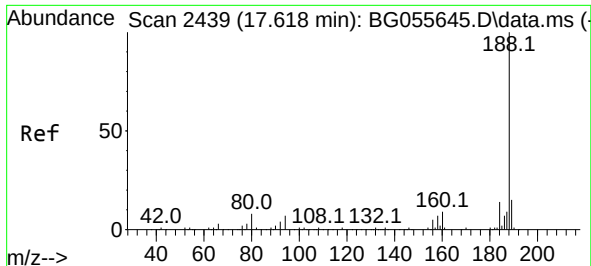


#45  
 2-Fluorobiphenyl  
 Concen: 85.119 ng  
 RT: 13.413 min Scan# 1723  
 Delta R.T. -0.008 min  
 Lab File: BG055917.D  
 Acq: 7 Dec 2022 17:00



Tgt Ion:172 Resp: 495862  
 Ion Ratio Lower Upper  
 172 100  
 171 37.3 29.8 44.6  
 170 24.2 20.2 30.4

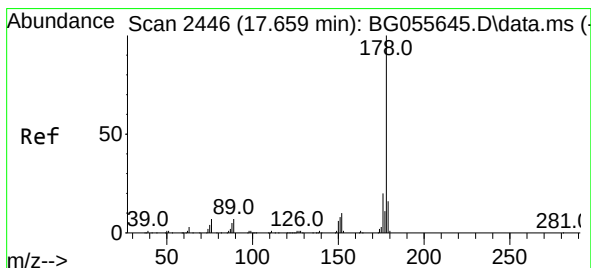
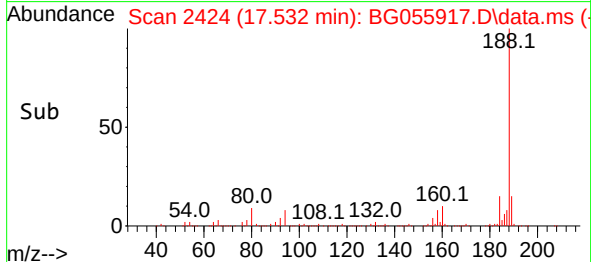
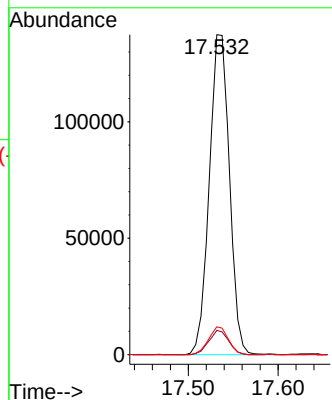
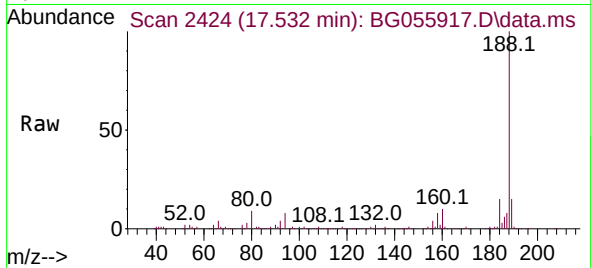




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.532 min Scan# 2432  
Delta R.T. -0.014 min  
Lab File: BG055917.D  
Acq: 7 Dec 2022 17:00

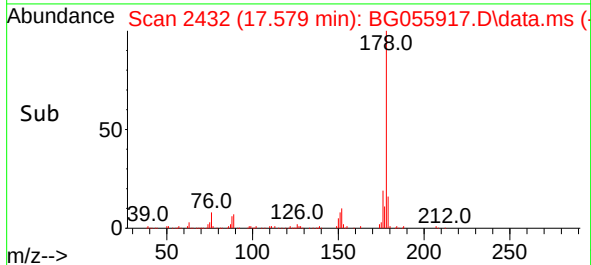
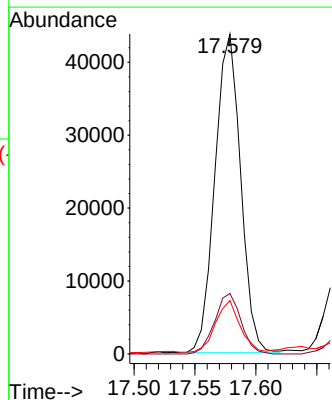
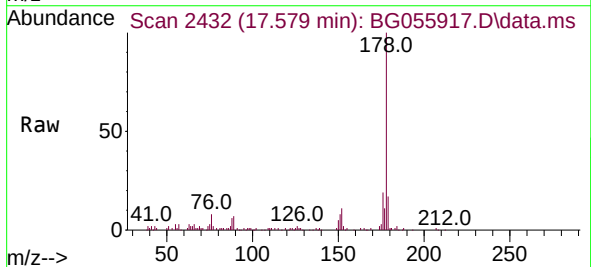
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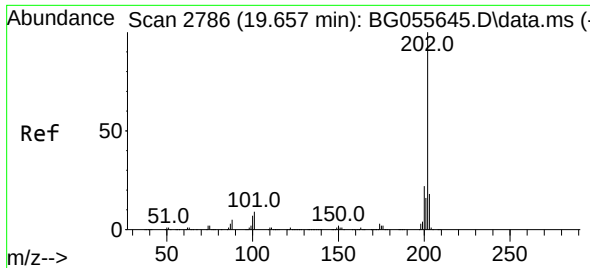
Tgt Ion:188 Resp: 214203  
Ion Ratio Lower Upper  
188 100  
94 7.6 5.4 8.2  
80 8.7 6.6 10.0



#71  
Phenanthrene  
Concen: 5.534 ng  
RT: 17.579 min Scan# 2432  
Delta R.T. -0.008 min  
Lab File: BG055917.D  
Acq: 7 Dec 2022 17:00

Tgt Ion:178 Resp: 63973  
Ion Ratio Lower Upper  
178 100  
176 18.9 16.0 24.0  
179 16.7 12.7 19.1

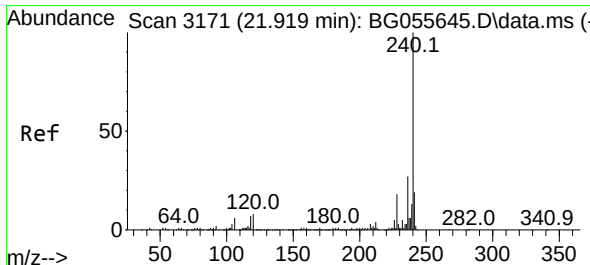
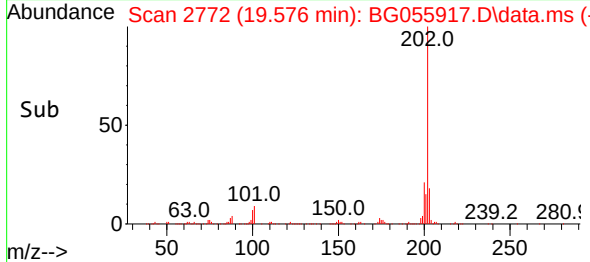
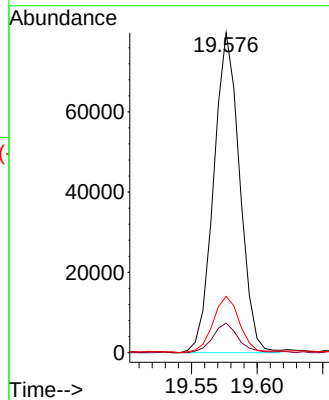
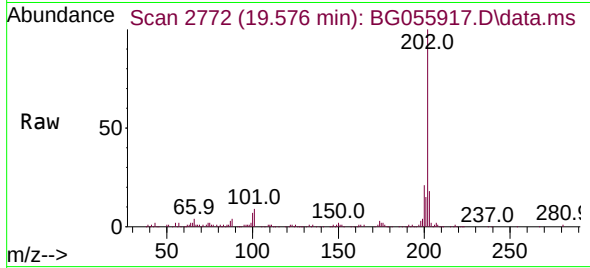




#75  
Fluoranthene  
Concen: 7.796 ng  
RT: 19.576 min Scan# 21  
Delta R.T. -0.008 min  
Lab File: BG055917.D  
Acq: 7 Dec 2022 17:00

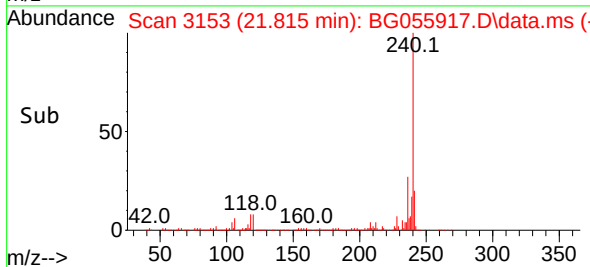
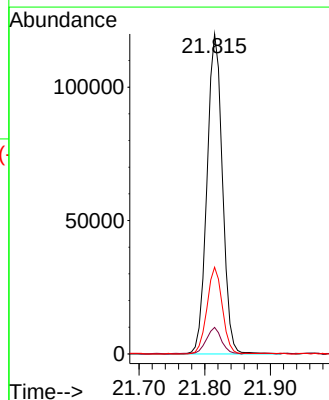
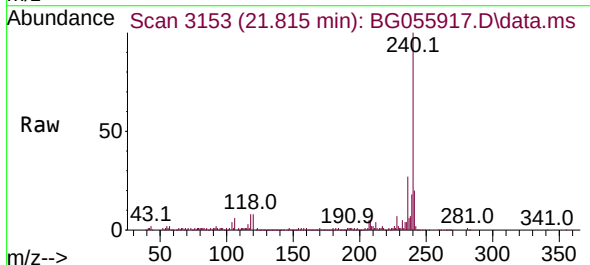
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Tgt Ion:202 Resp: 109628  
Ion Ratio Lower Upper  
202 100  
101 9.2 0.0 28.8  
203 17.6 0.0 38.1

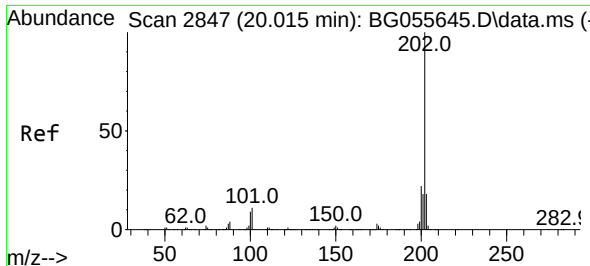


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.815 min Scan# 3153  
Delta R.T. -0.014 min  
Lab File: BG055917.D  
Acq: 7 Dec 2022 17:00

Tgt Ion:240 Resp: 195296  
Ion Ratio Lower Upper  
240 100  
120 8.3 6.3 9.5  
236 27.1 21.9 32.9



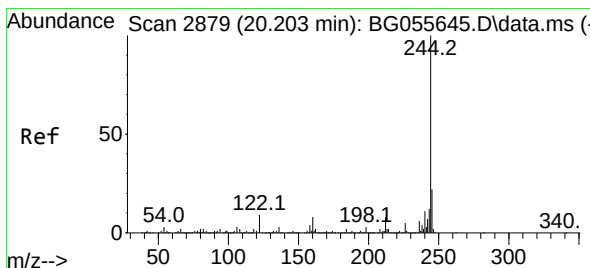
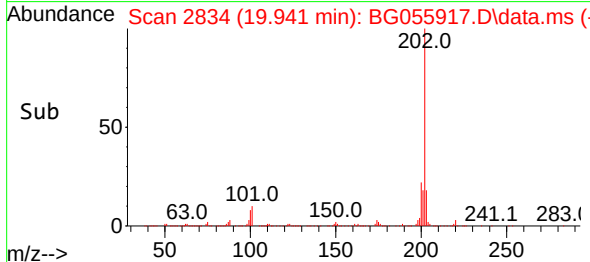
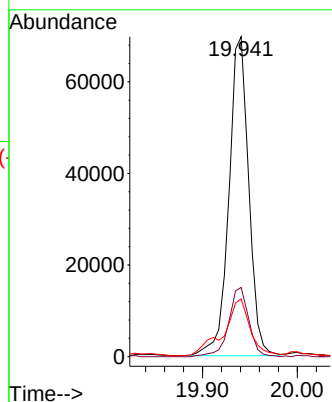
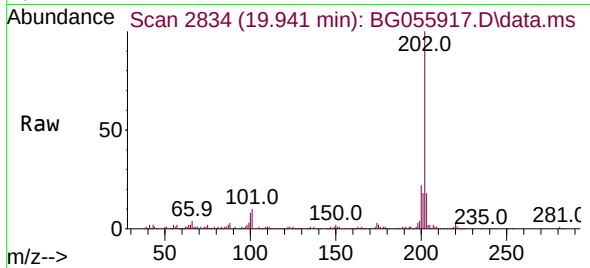




#78  
 Pyrene  
 Concen: 7.663 ng  
 RT: 19.941 min Scan# 2847  
 Delta R.T. -0.008 min  
 Lab File: BG055917.D  
 Acq: 7 Dec 2022 17:00

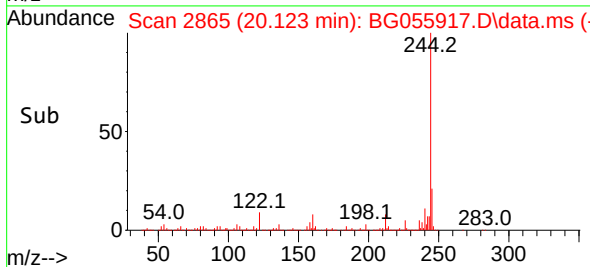
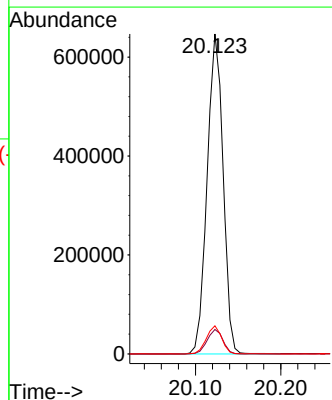
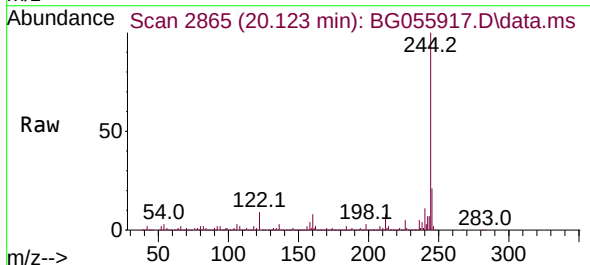
Instrument :  
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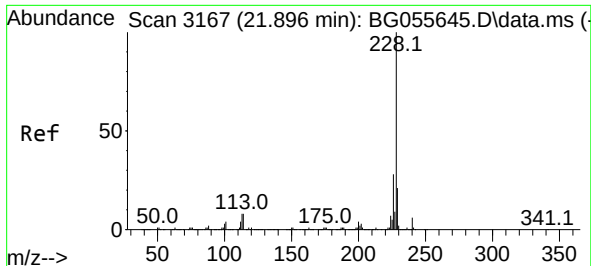
Tgt Ion:202 Resp: 101293  
 Ion Ratio Lower Upper  
 202 100  
 200 21.6 17.8 26.6  
 203 18.0 14.4 21.6



#79  
 Terphenyl-d14  
 Concen: 86.115 ng  
 RT: 20.123 min Scan# 2865  
 Delta R.T. -0.008 min  
 Lab File: BG055917.D  
 Acq: 7 Dec 2022 17:00

Tgt Ion:244 Resp: 840840  
 Ion Ratio Lower Upper  
 244 100  
 212 7.7 6.3 9.5  
 122 8.8 6.9 10.3

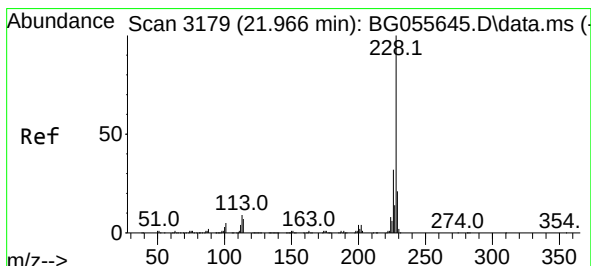
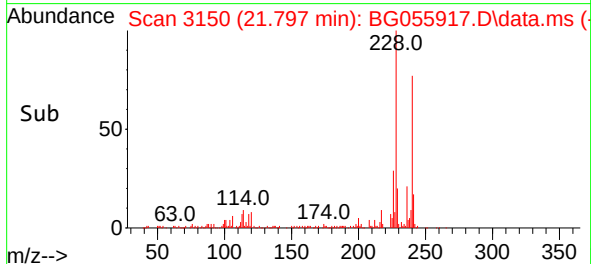
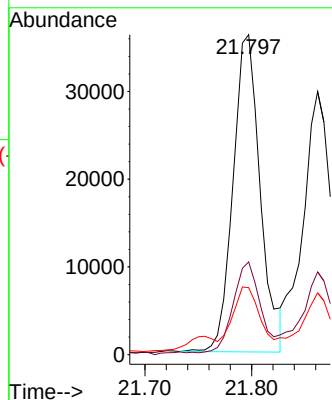
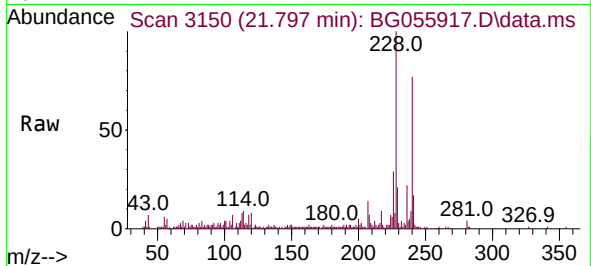




#81  
Benzo(a)anthracene  
Concen: 4.760 ng  
RT: 21.797 min Scan# 3161  
Delta R.T. -0.008 min  
Lab File: BG055917.D  
Acq: 7 Dec 2022 17:00

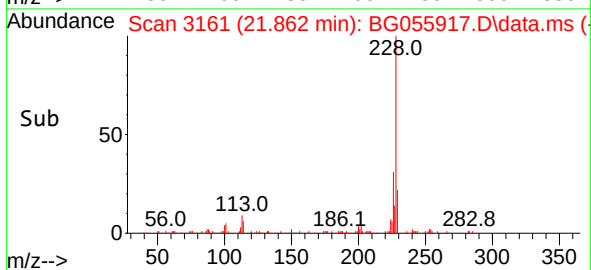
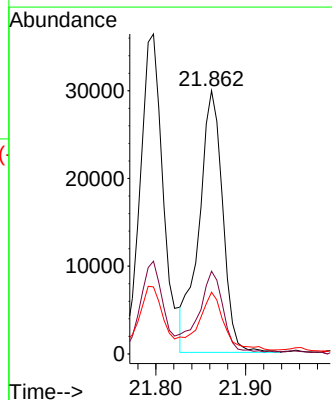
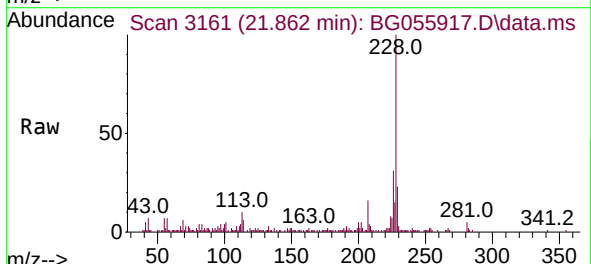
Instrument :  
BNA\_G  
ClientSampleId :  
COMPOSITE

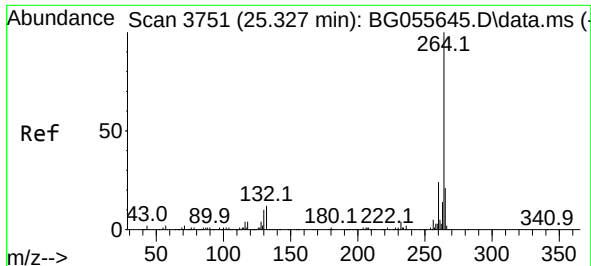
Tgt Ion:228 Resp: 64030  
Ion Ratio Lower Upper  
228 100  
226 29.0 22.7 34.1  
229 20.9 16.5 24.7



#83  
Chrysene  
Concen: 4.282 ng  
RT: 21.862 min Scan# 3161  
Delta R.T. -0.014 min  
Lab File: BG055917.D  
Acq: 7 Dec 2022 17:00

Tgt Ion:228 Resp: 54836  
Ion Ratio Lower Upper  
228 100  
226 31.4 25.4 38.2  
229 23.4 17.1 25.7

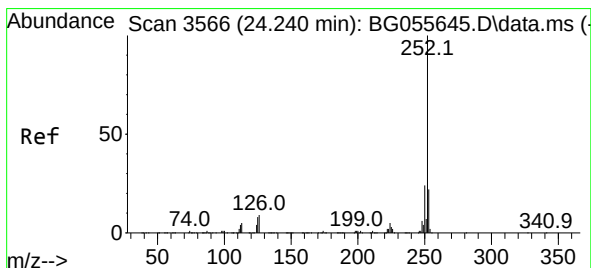
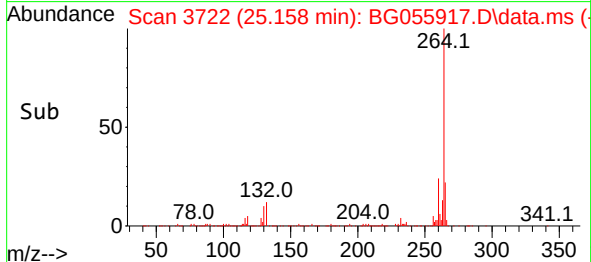
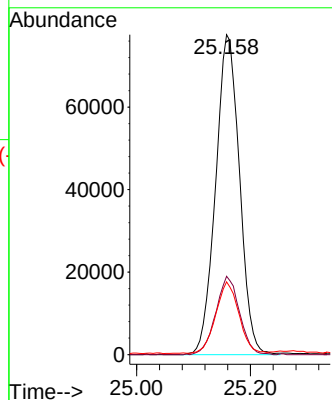
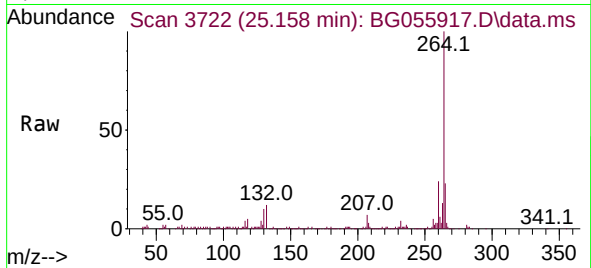




#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 25.158 min Scan# 31  
 Delta R.T. -0.019 min  
 Lab File: BG055917.D  
 Acq: 7 Dec 2022 17:00

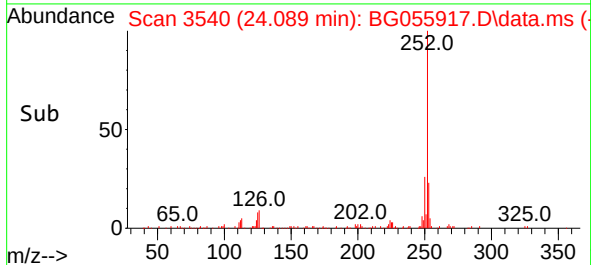
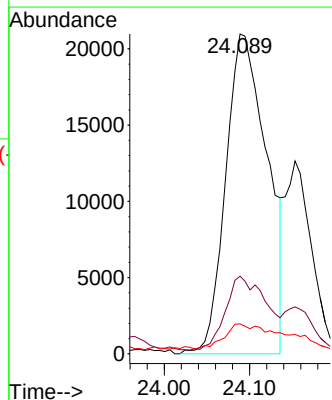
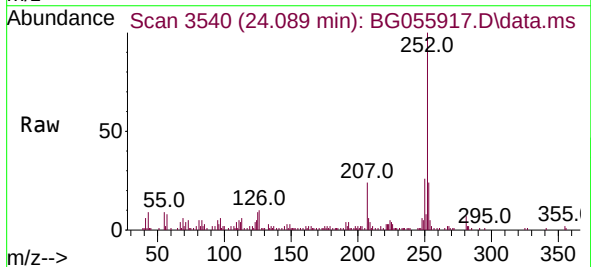
Instrument :  
 BNA\_G  
 ClientSampleId :  
 COMPOSITE

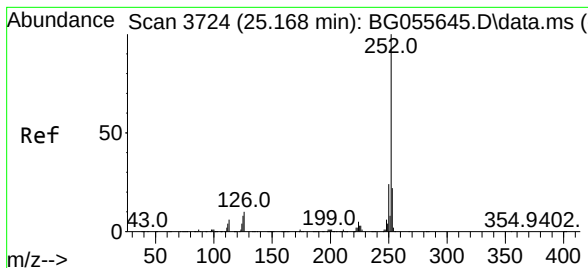
Tgt Ion:264 Resp: 226131  
 Ion Ratio Lower Upper  
 264 100  
 260 24.5 19.5 29.3  
 265 22.7 17.1 25.7



#88  
 Benzo(b)fluoranthene  
 Concen: 4.795 ng  
 RT: 24.089 min Scan# 3540  
 Delta R.T. -0.019 min  
 Lab File: BG055917.D  
 Acq: 7 Dec 2022 17:00

Tgt Ion:252 Resp: 70614  
 Ion Ratio Lower Upper  
 252 100  
 253 24.3 18.0 27.0  
 125 9.4 6.2 9.2#





#90

Benzo(a)pyrene

Concen: 4.631 ng

RT: 24.999 min Scan# 30

Delta R.T. -0.019 min

Lab File: BG055917.D

Acq: 7 Dec 2022 17:00

Instrument :

BNA\_G

ClientSampleId :

COMPOSITE

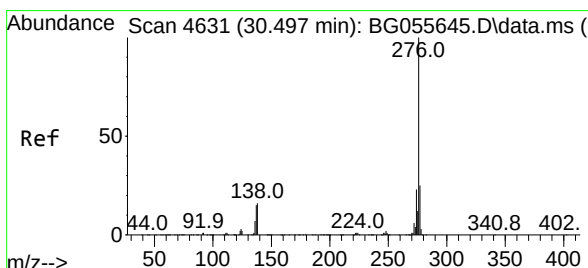
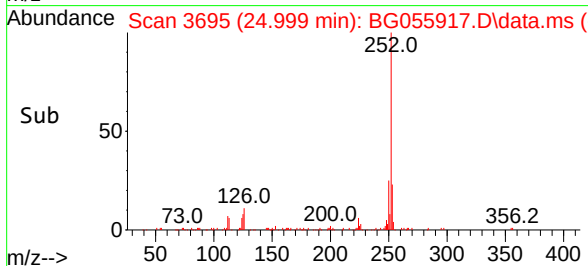
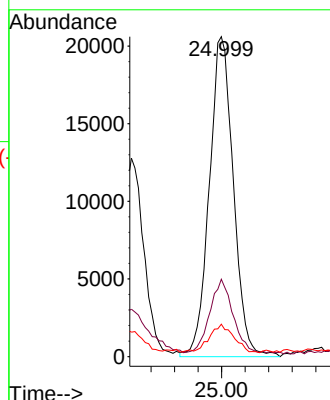
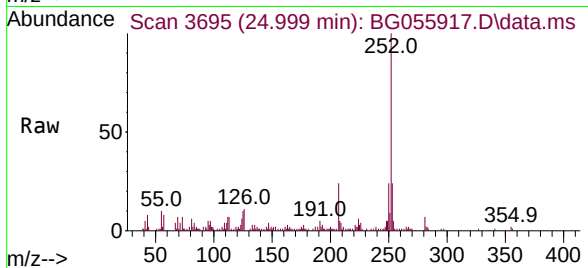
Tgt Ion:252 Resp: 58529

Ion Ratio Lower Upper

252 100

253 24.2 17.8 26.6

125 10.1 6.4 9.6#



#92

Benzo(g,h,i)perylene

Concen: 2.166 ng

RT: 30.217 min Scan# 4583

Delta R.T. -0.037 min

Lab File: BG055917.D

Acq: 7 Dec 2022 17:00

Tgt Ion:276 Resp: 33054

Ion Ratio Lower Upper

276 100

277 22.9 19.8 29.6

138 14.0 13.1 19.7

