

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG082322\  
 Data File : BG054710.D  
 Acq On : 23 Aug 2022 16:52  
 Operator : CG/JU  
 Sample : N4205-03  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SS-3

Quant Time: Aug 24 01:50:09 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG082222.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 23 03:09:46 2022  
 Response via : Initial Calibration

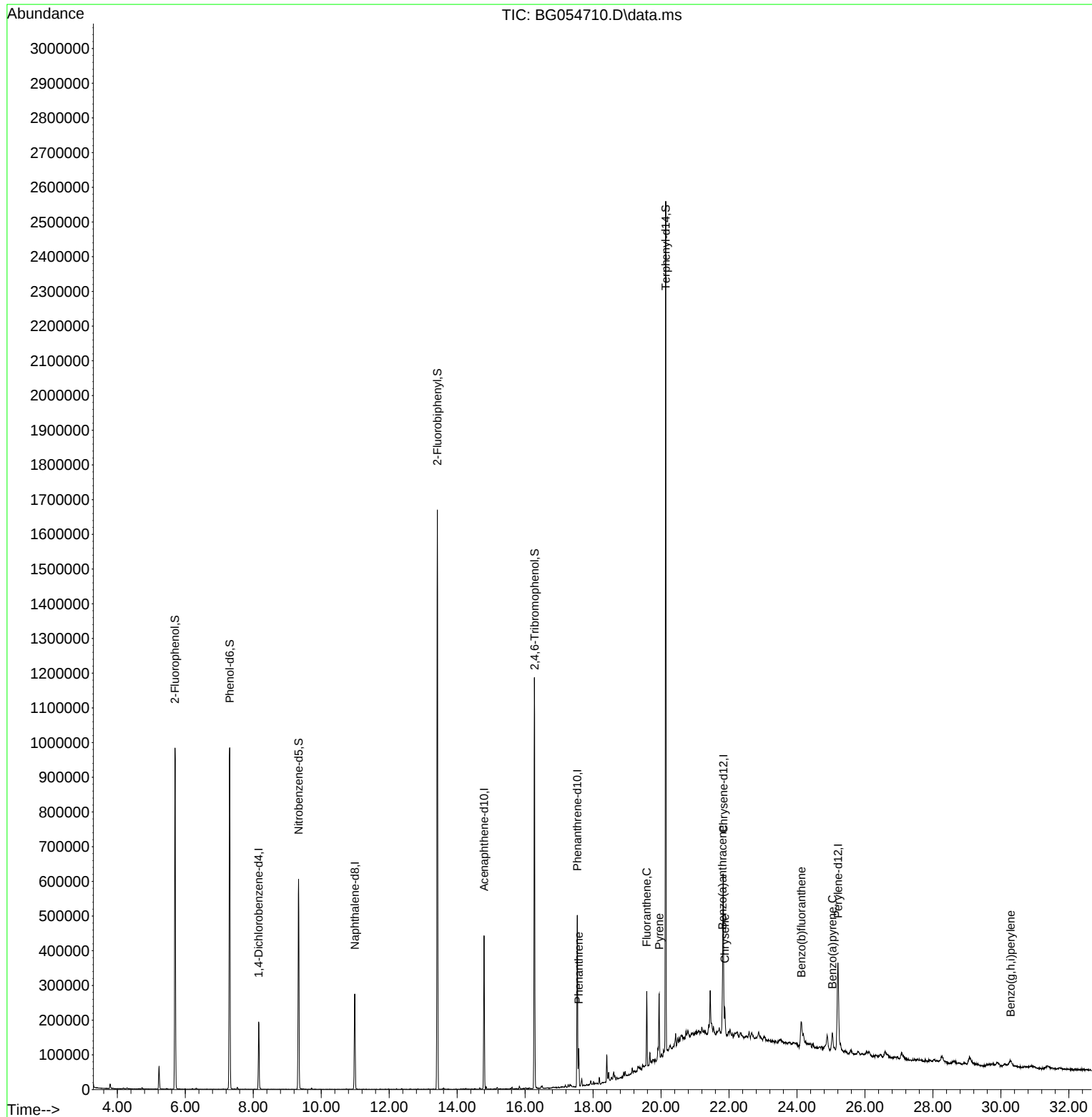
| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 8.158  | 152  | 56796    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.984 | 136  | 241633   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.791 | 164  | 154959   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.535 | 188  | 312556   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.830 | 240  | 271523   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12            | 25.203 | 264  | 288239   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.696  | 112  | 442947   | 146.964 | ng    | 0.00     |
| 7) Phenol-d6                | 7.306  | 99   | 602190   | 142.591 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.333  | 82   | 370886   | 87.473  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.278 | 330  | 232922   | 187.693 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.417 | 172  | 877748   | 83.533  | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.138 | 244  | 1201602  | 87.910  | ng    | 0.00     |
| Target Compounds            |        |      |          |         |       |          |
| 71) Phenanthrene            | 17.576 | 178  | 67954    | 4.079   | ng    | 99       |
| 75) Fluoranthene            | 19.580 | 202  | 133060   | 6.774   | ng    | 99       |
| 78) Pyrene                  | 19.944 | 202  | 120798   | 6.307   | ng    | 98       |
| 81) Benzo(a)anthracene      | 21.807 | 228  | 62973    | 3.415   | ng    | 98       |
| 83) Chrysene                | 21.877 | 228  | 57582    | 3.281   | ng    | 98       |
| 88) Benzo(b)fluoranthene    | 24.128 | 252  | 77543    | 4.333   | ng    | # 94     |
| 90) Benzo(a)pyrene          | 25.038 | 252  | 59219    | 3.855   | ng    | # 94     |
| 92) Benzo(g,h,i)perylene    | 30.285 | 276  | 38053    | 2.203   | ng    | 96       |

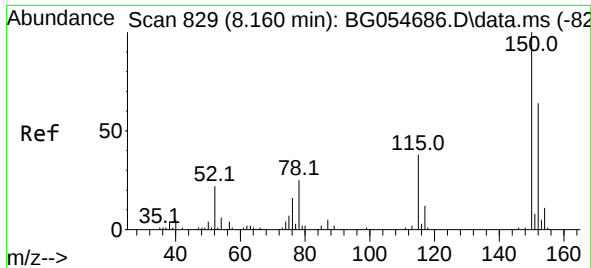
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BG054710.D  
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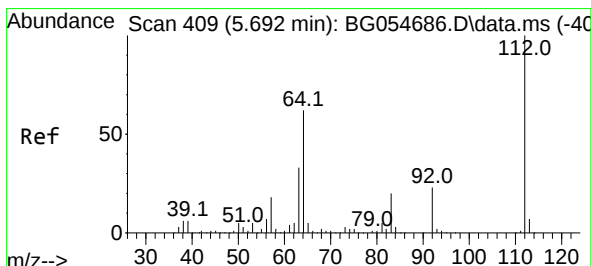
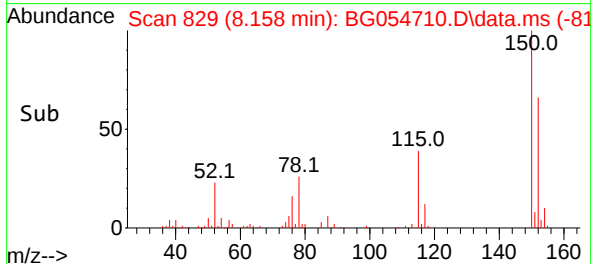
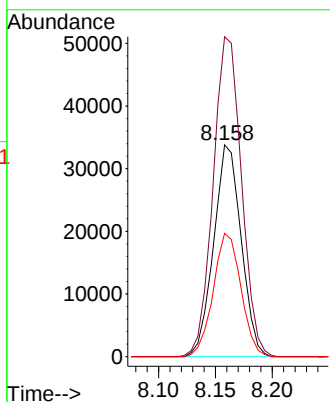
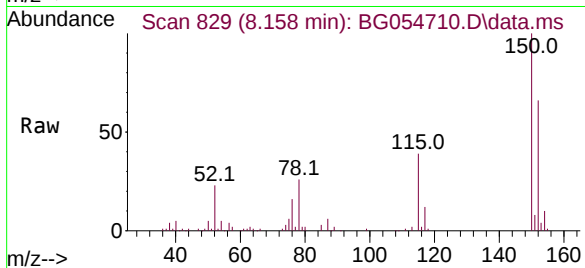




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.158 min Scan# 81  
Delta R.T. -0.002 min  
Lab File: BG054710.D  
Acq: 23 Aug 2022 16:52

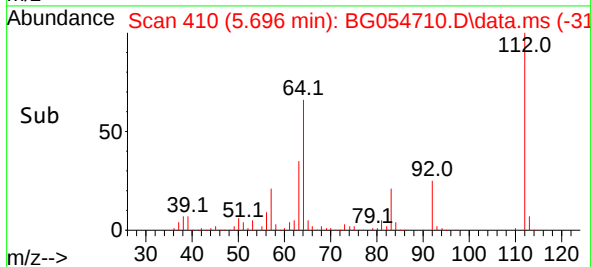
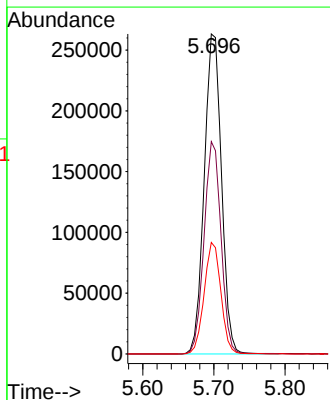
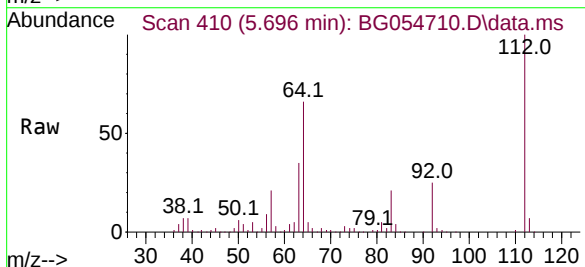
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BNA\_G  
ClientSampleId :  
SS-3

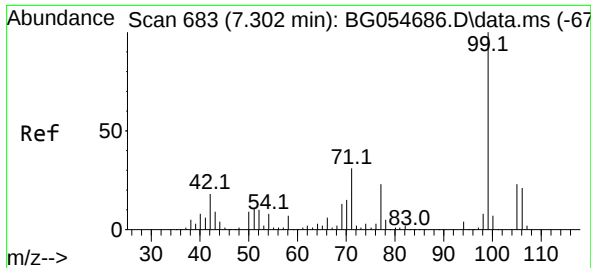
Tgt Ion:152 Resp: 56796  
Ion Ratio Lower Upper  
152 100  
150 151.1 125.2 187.8  
115 58.2 47.9 71.9



#5  
2-Fluorophenol  
Concen: 146.964 ng  
RT: 5.696 min Scan# 410  
Delta R.T. 0.004 min  
Lab File: BG054710.D  
Acq: 23 Aug 2022 16:52

Tgt Ion:112 Resp: 442947  
Ion Ratio Lower Upper  
112 100  
64 66.3 49.3 73.9  
63 34.8 26.3 39.5

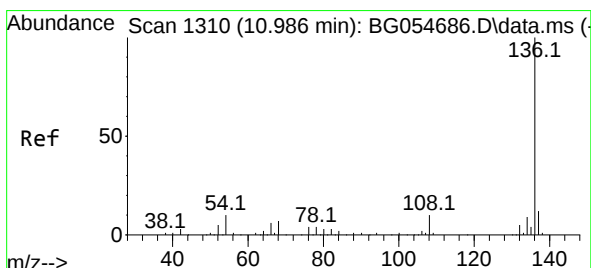
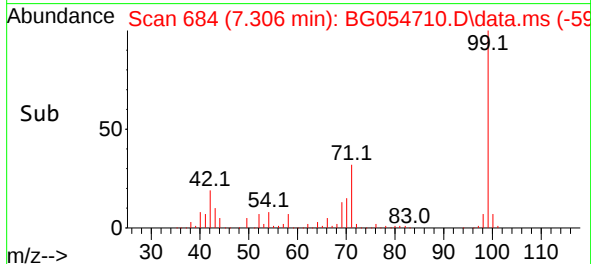
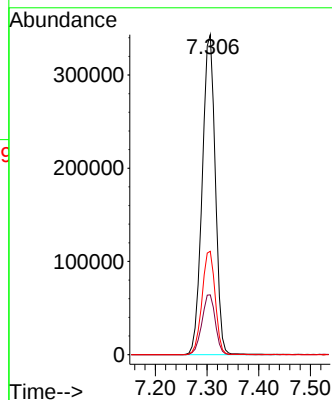
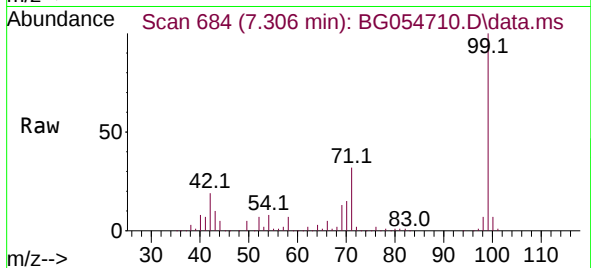




#7  
Phenol-d6  
Concen: 142.591 ng  
RT: 7.306 min Scan# 684  
Delta R.T. 0.004 min  
Lab File: BG054710.D  
Acq: 23 Aug 2022 16:52

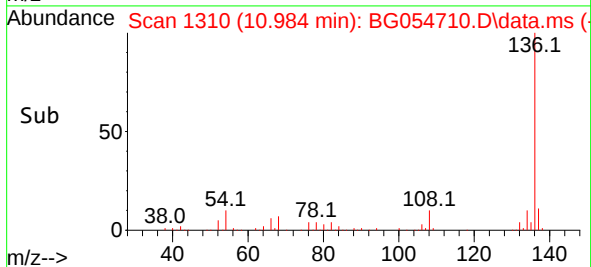
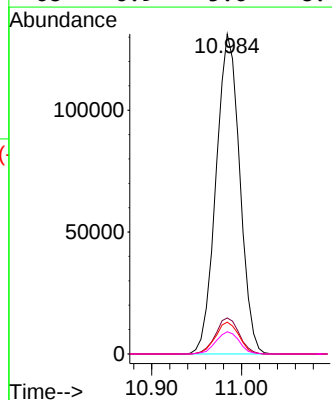
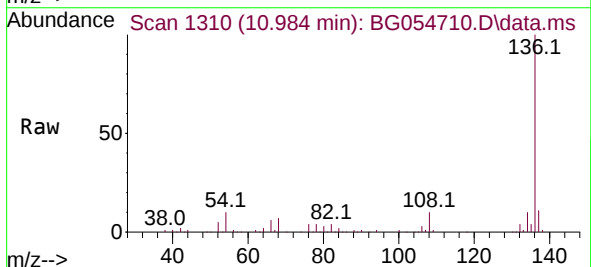
Instrument :  
BNA\_G  
ClientSampleId :  
SS-3

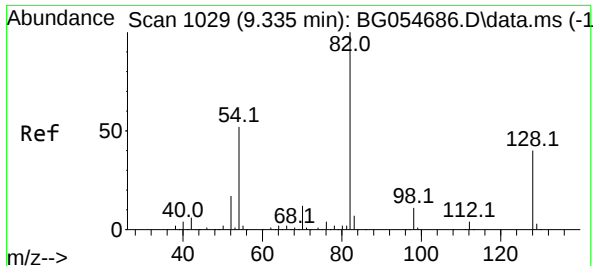
Tgt Ion: 99 Resp: 602190  
Ion Ratio Lower Upper  
99 100  
42 18.7 14.6 22.0  
71 32.3 24.6 37.0



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.984 min Scan# 1310  
Delta R.T. -0.002 min  
Lab File: BG054710.D  
Acq: 23 Aug 2022 16:52

Tgt Ion: 136 Resp: 241633  
Ion Ratio Lower Upper  
136 100  
137 11.2 9.2 13.8  
54 9.9 7.7 11.5  
68 6.9 5.6 8.4





#23

Nitrobenzene-d5

Concen: 87.473 ng

RT: 9.333 min Scan# 1029

Delta R.T. -0.002 min

Lab File: BG054710.D

Acq: 23 Aug 2022 16:52

Instrument :

BNA\_G

ClientSampleId :

SS-3

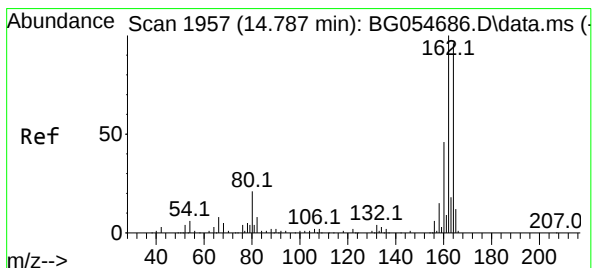
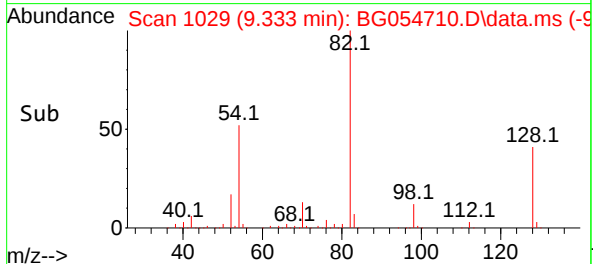
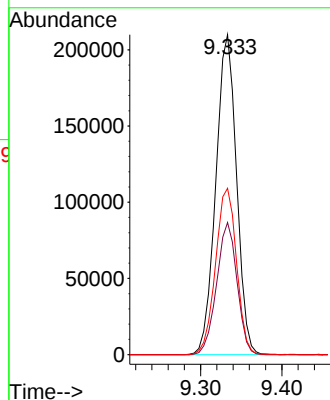
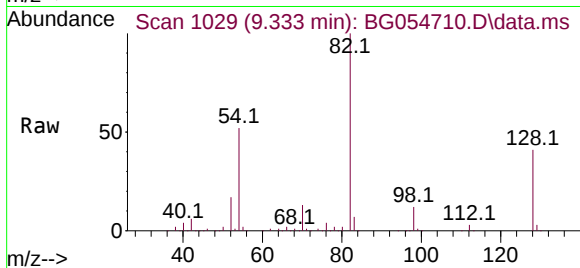
Tgt Ion: 82 Resp: 370886

Ion Ratio Lower Upper

82 100

128 41.3 32.2 48.2

54 52.0 41.4 62.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.791 min Scan# 1958

Delta R.T. 0.004 min

Lab File: BG054710.D

Acq: 23 Aug 2022 16:52

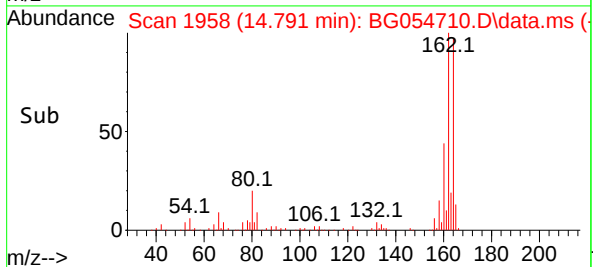
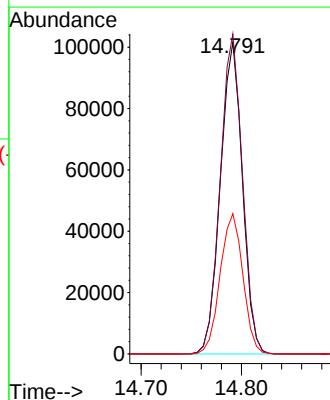
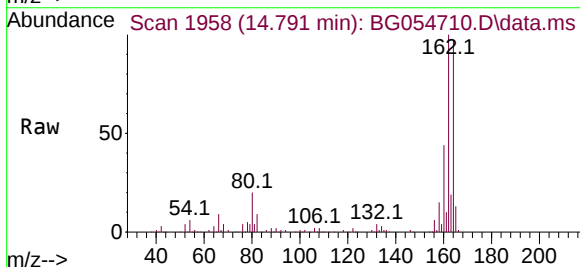
Tgt Ion:164 Resp: 154959

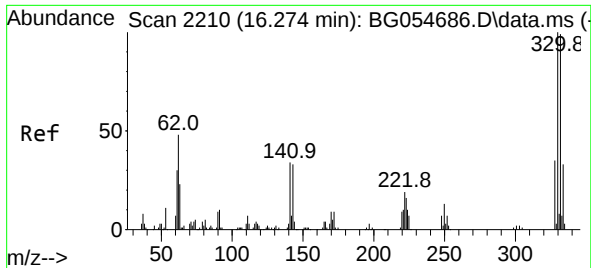
Ion Ratio Lower Upper

164 100

162 102.7 83.0 124.4

160 45.0 38.0 57.0

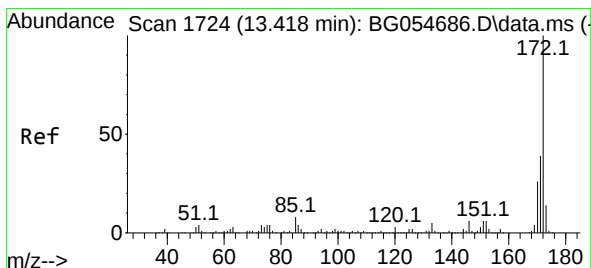
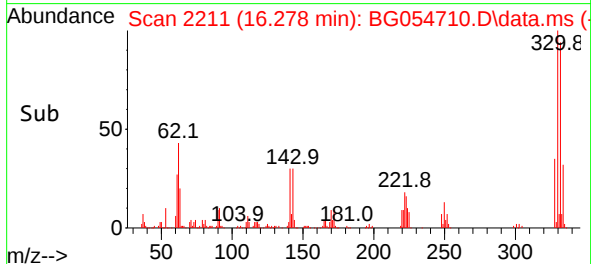
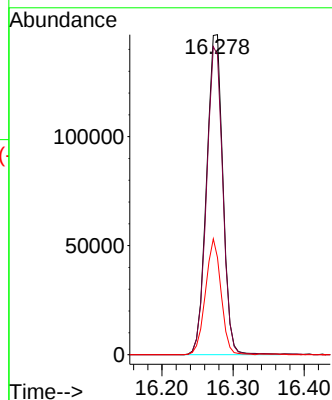
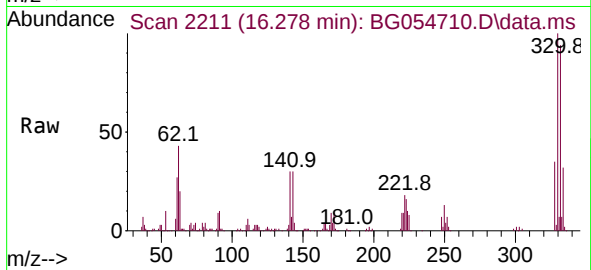




#42  
2,4,6-Tribromophenol  
Concen: 187.693 ng  
RT: 16.278 min Scan# 21  
Delta R.T. 0.004 min  
Lab File: BG054710.D  
Acq: 23 Aug 2022 16:52

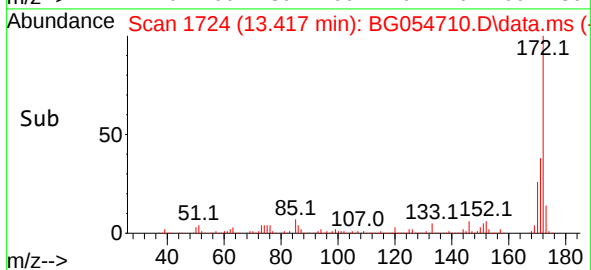
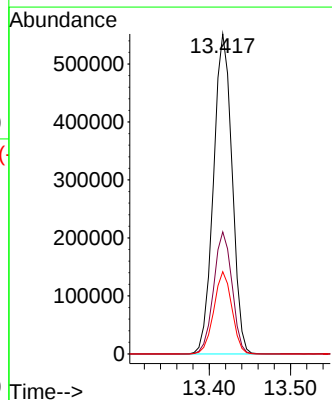
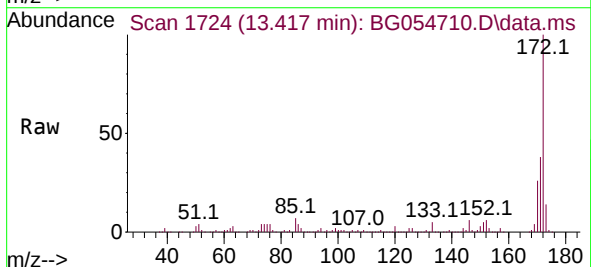
Instrument :  
BNA\_G  
ClientSampleId :  
SS-3

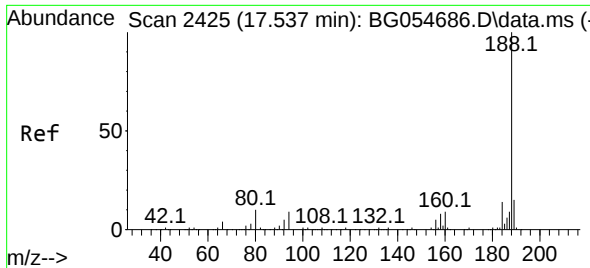
Tgt Ion:330 Resp: 232922  
Ion Ratio Lower Upper  
330 100  
332 95.8 79.8 119.6  
141 34.3 26.8 40.2



#45  
2-Fluorobiphenyl  
Concen: 83.533 ng  
RT: 13.417 min Scan# 1724  
Delta R.T. -0.002 min  
Lab File: BG054710.D  
Acq: 23 Aug 2022 16:52

Tgt Ion:172 Resp: 877748  
Ion Ratio Lower Upper  
172 100  
171 38.1 31.2 46.8  
170 25.7 20.6 30.8

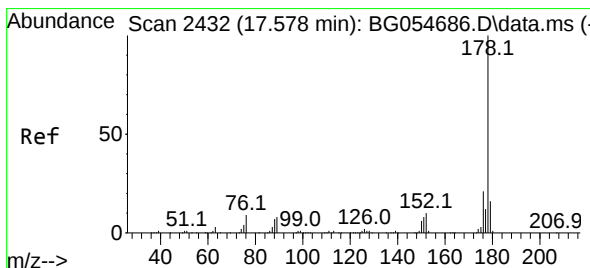
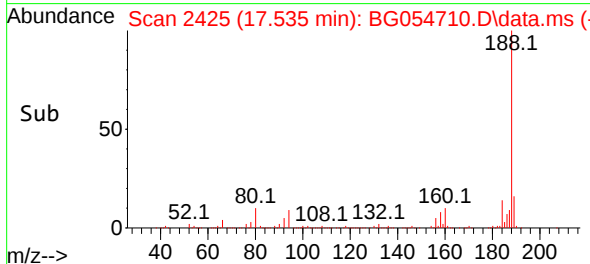
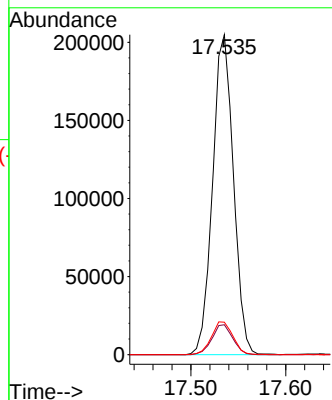
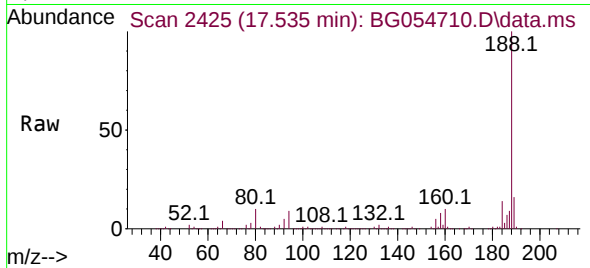




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.535 min Scan# 2425  
Delta R.T. -0.002 min  
Lab File: BG054710.D  
Acq: 23 Aug 2022 16:52

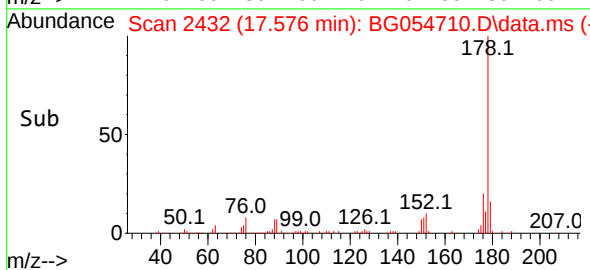
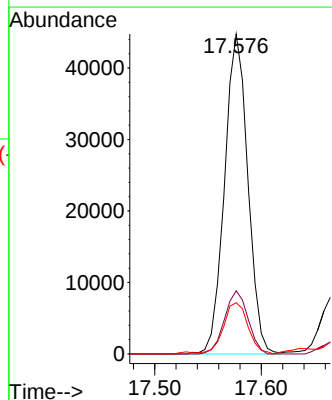
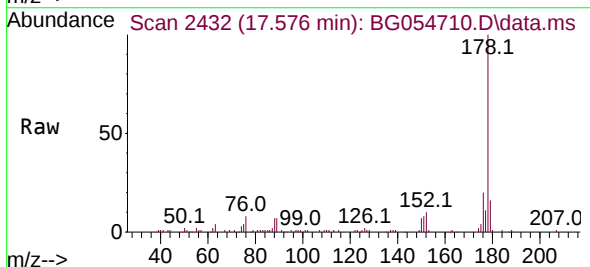
Instrument :  
BNA\_G  
ClientSampleId :  
SS-3

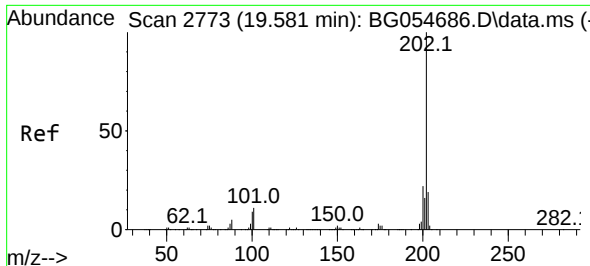
Tgt Ion:188 Resp: 312556  
Ion Ratio Lower Upper  
188 100  
94 9.3 7.0 10.4  
80 10.1 7.9 11.9



#71  
Phenanthrene  
Concen: 4.079 ng  
RT: 17.576 min Scan# 2432  
Delta R.T. -0.002 min  
Lab File: BG054710.D  
Acq: 23 Aug 2022 16:52

Tgt Ion:178 Resp: 67954  
Ion Ratio Lower Upper  
178 100  
176 19.7 16.6 25.0  
179 16.0 12.8 19.2

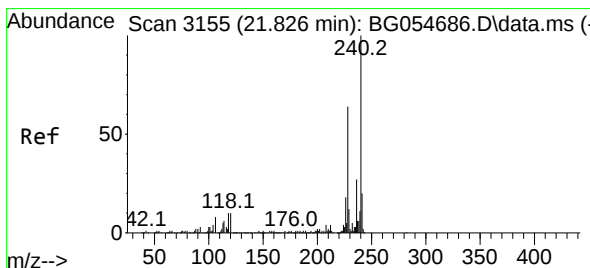
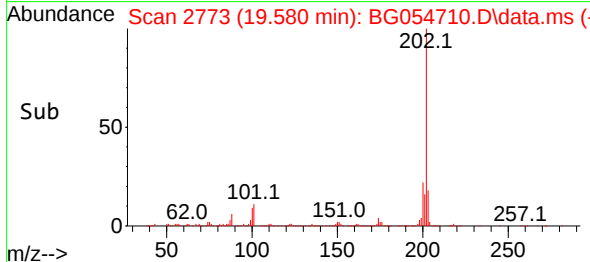
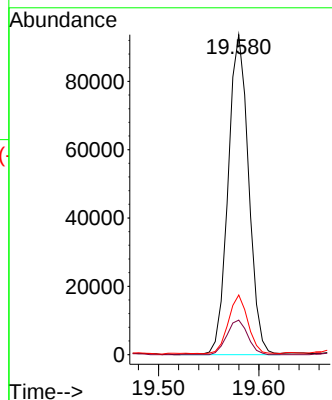
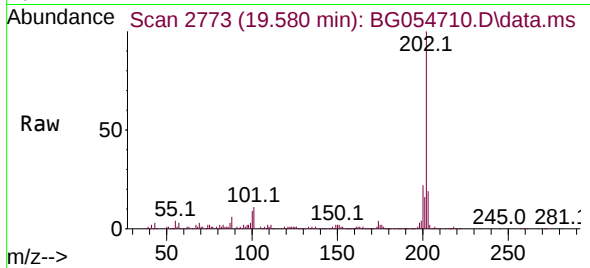




#75  
Fluoranthene  
Concen: 6.774 ng  
RT: 19.580 min Scan# 21  
Delta R.T. -0.002 min  
Lab File: BG054710.D  
Acq: 23 Aug 2022 16:52

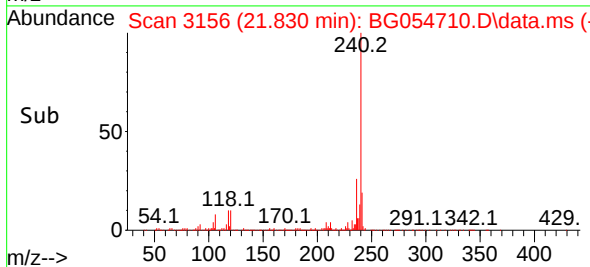
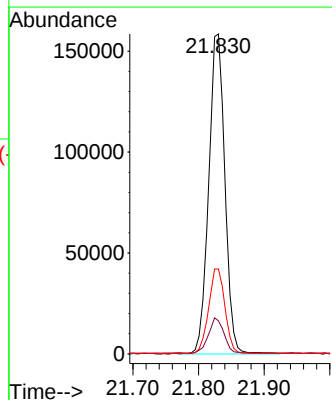
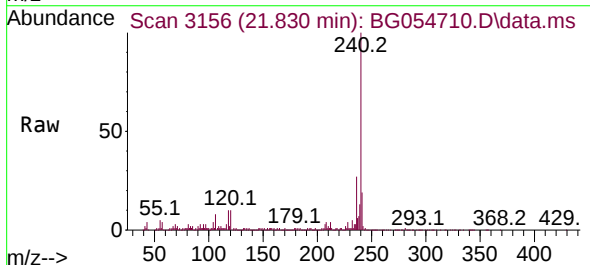
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ClientSampleId :  
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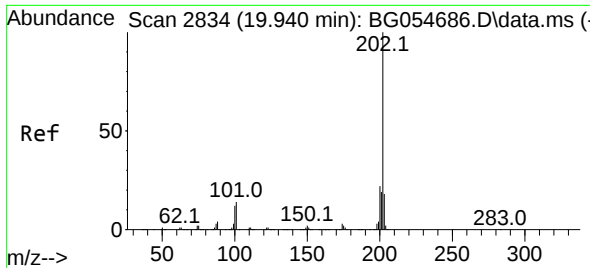
Tgt Ion:202 Resp: 133060  
Ion Ratio Lower Upper  
202 100  
101 10.8 0.0 31.4  
203 18.6 0.0 38.6



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.830 min Scan# 3156  
Delta R.T. 0.004 min  
Lab File: BG054710.D  
Acq: 23 Aug 2022 16:52

Tgt Ion:240 Resp: 271523  
Ion Ratio Lower Upper  
240 100  
120 10.3 8.2 12.4  
236 26.5 21.2 31.8

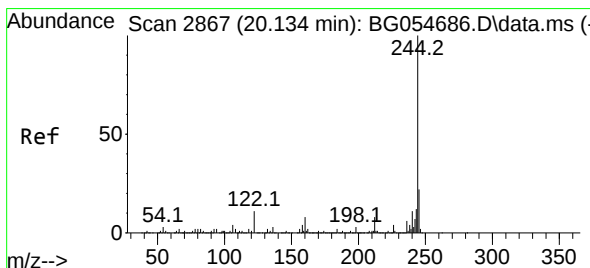
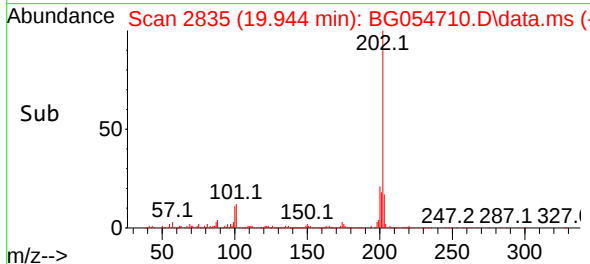
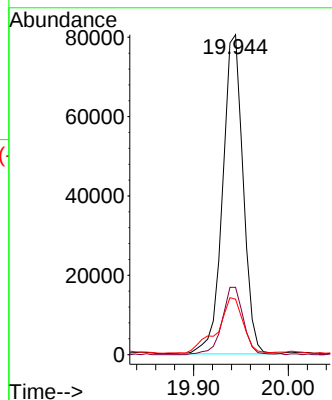
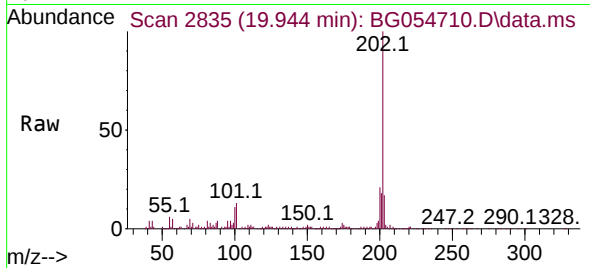




#78  
Pyrene  
Concen: 6.307 ng  
RT: 19.944 min Scan# 2834  
Delta R.T. 0.004 min  
Lab File: BG054710.D  
Acq: 23 Aug 2022 16:52

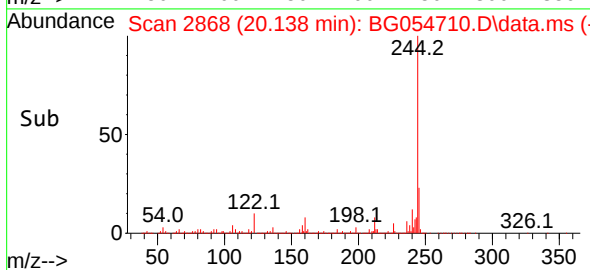
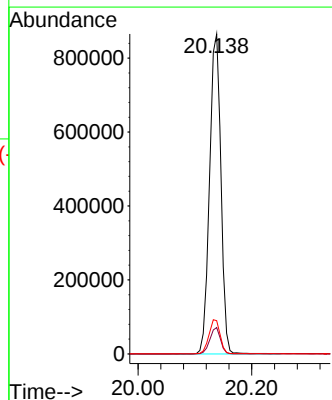
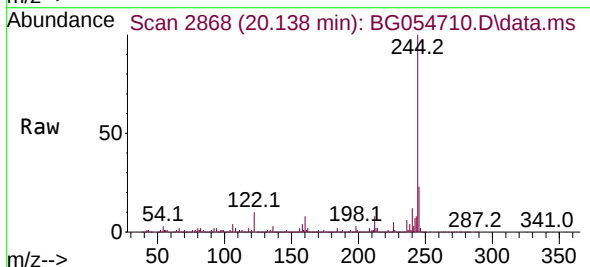
Instrument :  
BNA\_G  
ClientSampleId :  
SS-3

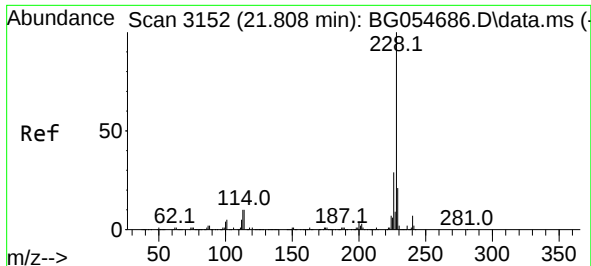
Tgt Ion:202 Resp: 120798  
Ion Ratio Lower Upper  
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200 21.0 17.8 26.6  
203 17.3 14.6 21.8



#79  
Terphenyl-d14  
Concen: 87.910 ng  
RT: 20.138 min Scan# 2868  
Delta R.T. 0.004 min  
Lab File: BG054710.D  
Acq: 23 Aug 2022 16:52

Tgt Ion:244 Resp: 1201602  
Ion Ratio Lower Upper  
244 100  
212 8.2 6.2 9.2  
122 10.4 9.0 13.6

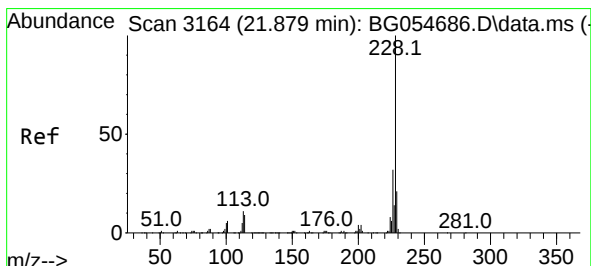
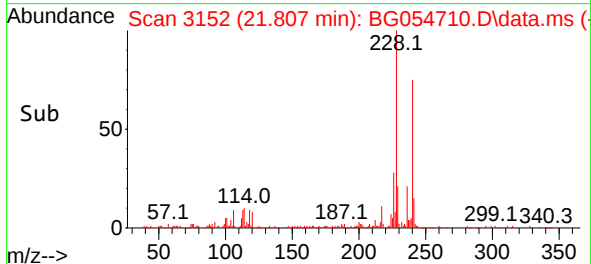
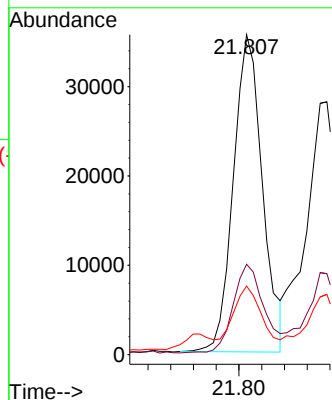
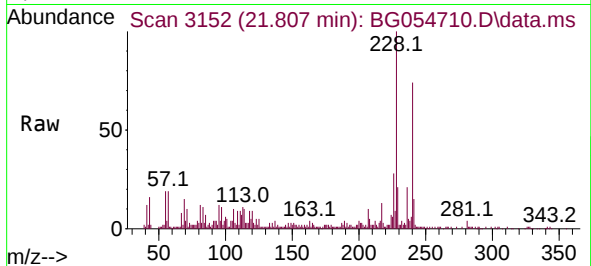




#81  
Benzo(a)anthracene  
Concen: 3.415 ng  
RT: 21.807 min Scan# 3152  
Delta R.T. -0.002 min  
Lab File: BG054710.D  
Acq: 23 Aug 2022 16:52

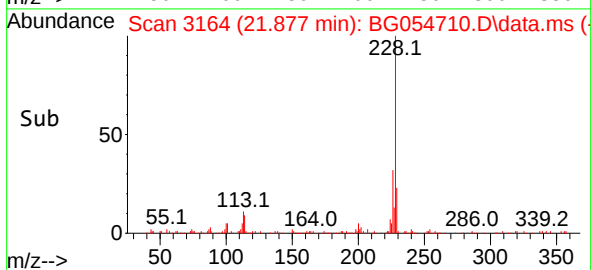
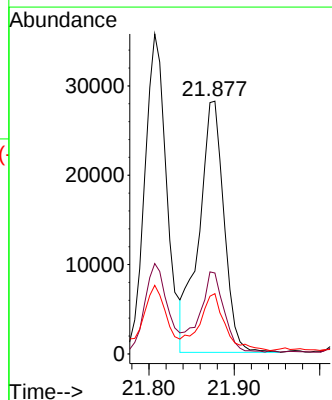
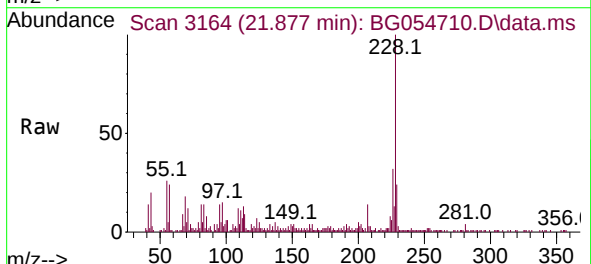
Instrument :  
BNA\_G  
ClientSampleId :  
SS-3

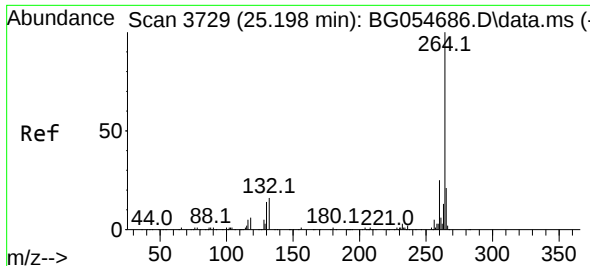
Tgt Ion:228 Resp: 62973  
Ion Ratio Lower Upper  
228 100  
226 28.2 23.4 35.2  
229 21.4 16.5 24.7



#83  
Chrysene  
Concen: 3.281 ng  
RT: 21.877 min Scan# 3164  
Delta R.T. -0.002 min  
Lab File: BG054710.D  
Acq: 23 Aug 2022 16:52

Tgt Ion:228 Resp: 57582  
Ion Ratio Lower Upper  
228 100  
226 32.0 25.5 38.3  
229 23.8 16.8 25.2

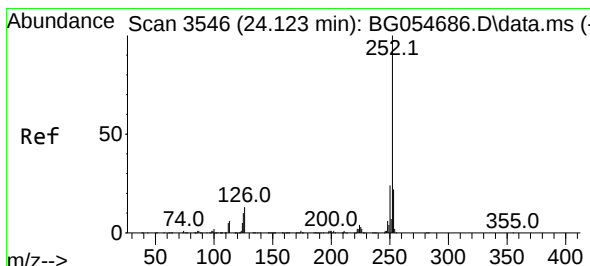
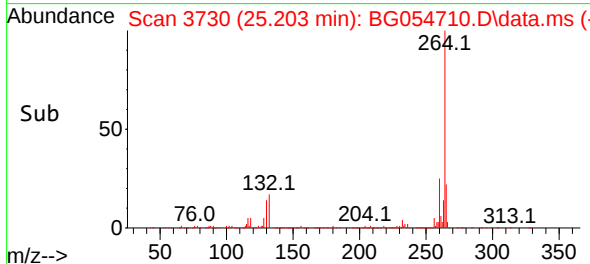
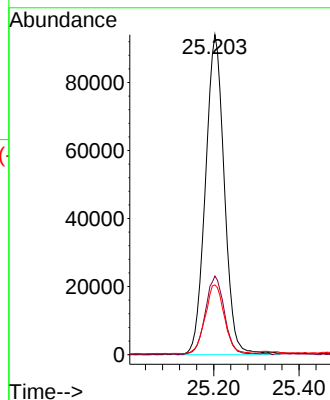
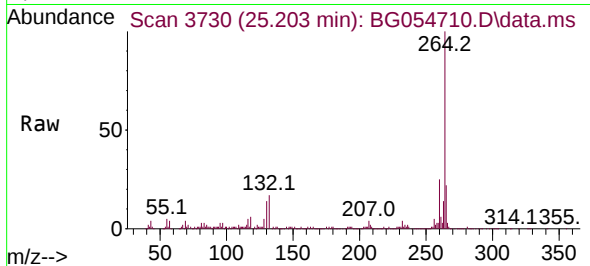




#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 25.203 min Scan# 31  
Delta R.T. 0.004 min  
Lab File: BG054710.D  
Acq: 23 Aug 2022 16:52

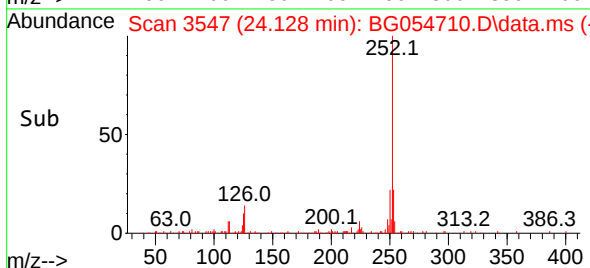
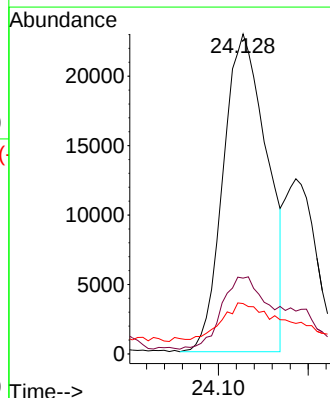
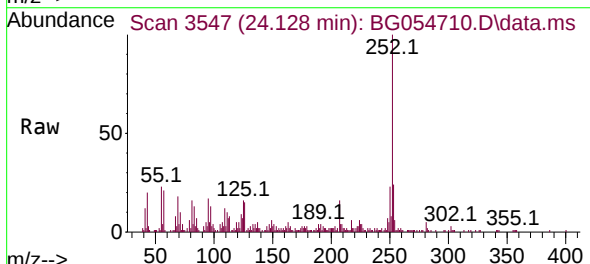
Instrument :  
BNA\_G  
ClientSampleId :  
SS-3

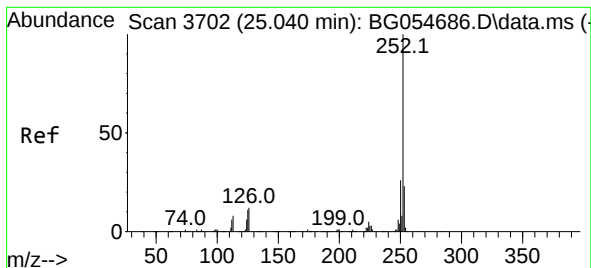
Tgt Ion:264 Resp: 288239  
Ion Ratio Lower Upper  
264 100  
260 24.5 19.9 29.9  
265 21.8 16.9 25.3



#88  
Benzo(b)fluoranthene  
Concen: 4.333 ng  
RT: 24.128 min Scan# 3547  
Delta R.T. 0.004 min  
Lab File: BG054710.D  
Acq: 23 Aug 2022 16:52

Tgt Ion:252 Resp: 77543  
Ion Ratio Lower Upper  
252 100  
253 23.7 18.0 27.0  
125 15.7 8.1 12.1#





#90

Benzo(a)pyrene

Concen: 3.855 ng

RT: 25.038 min Scan# 31

Delta R.T. -0.002 min

Lab File: BG054710.D

Acq: 23 Aug 2022 16:52

Instrument :

BNA\_G

ClientSampleId :

SS-3

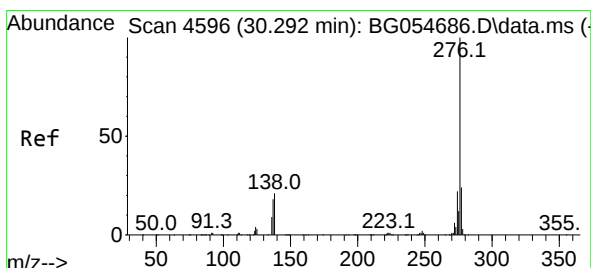
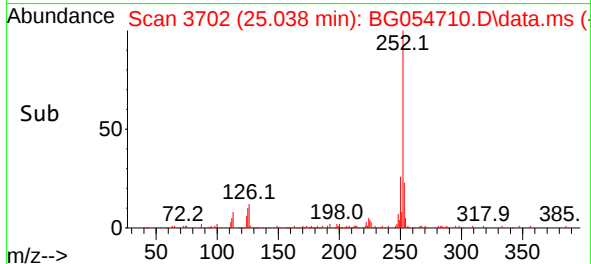
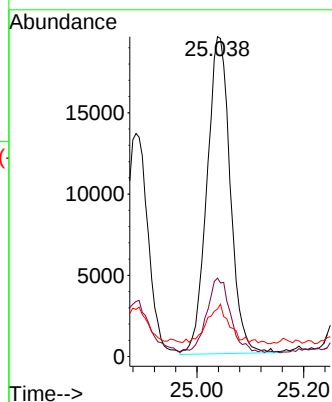
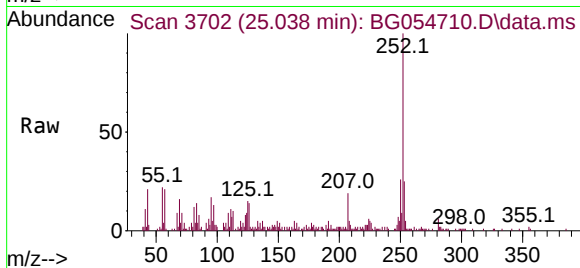
Tgt Ion:252 Resp: 59219

Ion Ratio Lower Upper

252 100

253 24.5 18.3 27.5

125 14.9 8.8 13.2#



#92

Benzo(g,h,i)perylene

Concen: 2.203 ng

RT: 30.285 min Scan# 4595

Delta R.T. -0.007 min

Lab File: BG054710.D

Acq: 23 Aug 2022 16:52

Tgt Ion:276 Resp: 38053

Ion Ratio Lower Upper

276 100

277 22.1 19.4 29.0

138 22.6 16.6 25.0

