

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG011723\  
 Data File : BG056311.D  
 Acq On : 17 Jan 2023 12:16  
 Operator : CG/JU  
 Sample : 01161-01DL 10X  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 20230113-H4-STOCKPILEDL

Quant Time: Jan 17 15:05:50 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG122722.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jan 12 03:38:40 2023  
 Response via : Initial Calibration

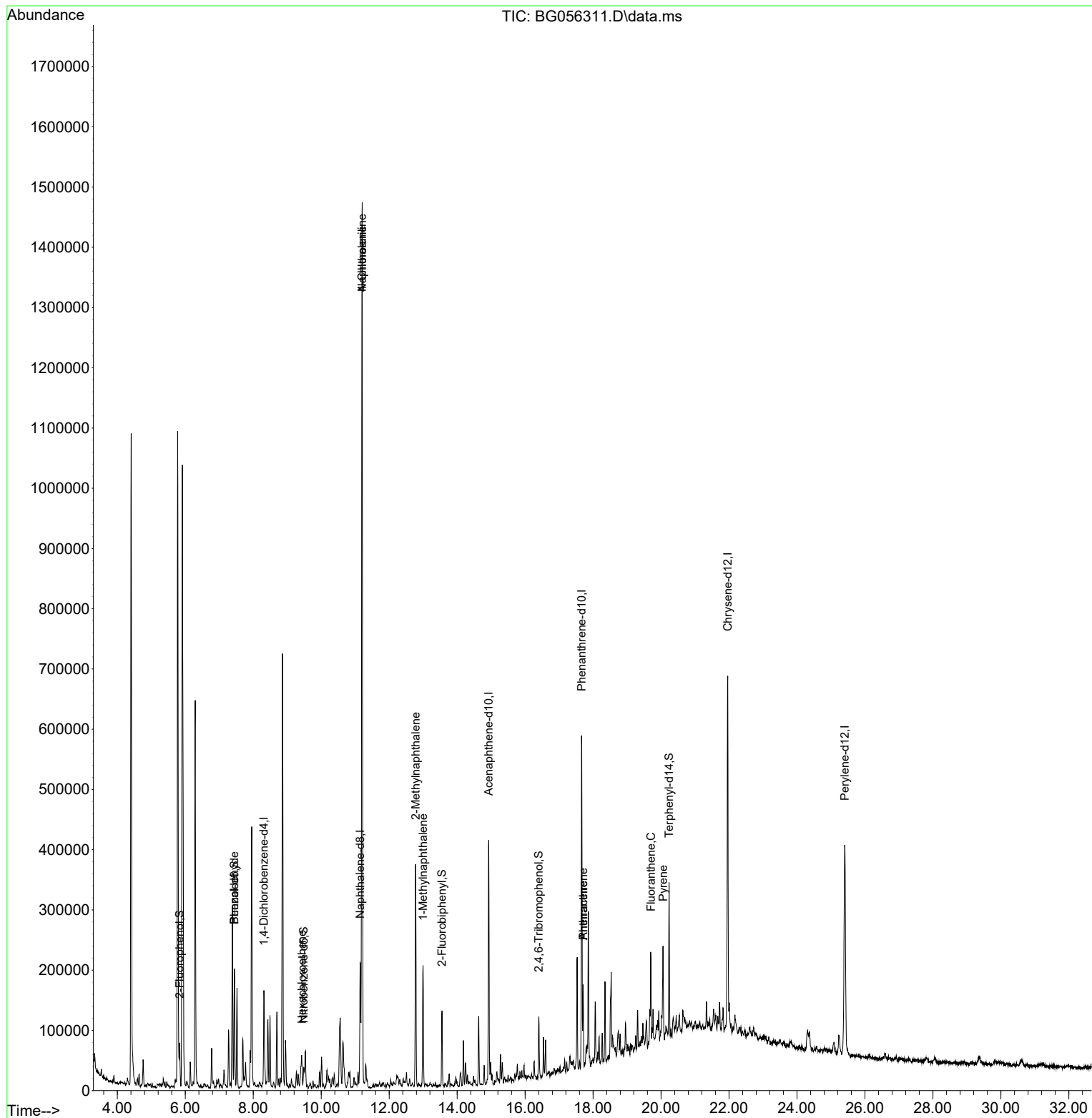
| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 8.314  | 152  | 52335    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8          | 11.146 | 136  | 198828   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.929 | 164  | 158335   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.661 | 188  | 388704   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.962 | 240  | 393162   | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12            | 25.405 | 264  | 435612   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.834  | 112  | 29406    | 10.032  | ng    | 0.00     |
| 7) Phenol-d6                | 7.444  | 99   | 41303    | 9.176   | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.483  | 82   | 23089    | 5.940   | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.404 | 330  | 17951    | 8.952   | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.554 | 172  | 70674    | 6.164   | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.235 | 244  | 134278   | 6.117   | ng    | 0.00     |
| Target Compounds            |        |      |          |         |       |          |
|                             |        |      |          |         |       | Qvalue   |
| 9) Benzaldehyde             | 7.444  | 77   | 10038    | 3.750   | ng    | # 1      |
| 18) Hexachloroethane        | 9.436  | 117  | 7289     | 6.731   | ng    | # 1      |
| 31) Naphthalene             | 11.204 | 128  | 1388640  | 132.706 | ng    | 99       |
| 33) 4-Chloroaniline         | 11.204 | 127  | 193381   | 38.708  | ng    | # 35     |
| 37) 2-Methylnaphthalene     | 12.779 | 142  | 182614   | 20.668  | ng    | 98       |
| 38) 1-Methylnaphthalene     | 12.996 | 142  | 100330   | 12.228  | ng    | 95       |
| 71) Phenanthrene            | 17.708 | 178  | 91657    | 4.550   | ng    | 96       |
| 72) Anthracene              | 17.708 | 178  | 91657    | 4.411   | ng    | 98       |
| 75) Fluoranthene            | 19.700 | 202  | 103935   | 3.956   | ng    | 98       |
| 78) Pyrene                  | 20.059 | 202  | 100188   | 3.615   | ng    | 97       |
| -----                       |        |      |          |         |       |          |

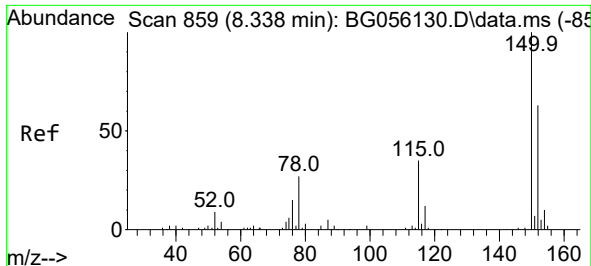
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG011723\  
Data File : BG056311.D  
Acq On : 17 Jan 2023 12:16  
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Sample : 01161-01DL 10X  
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ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
20230113-H4-STOCKPILEDL

Quant Time: Jan 17 15:05:50 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG122722.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Jan 12 03:38:40 2023  
Response via : Initial Calibration

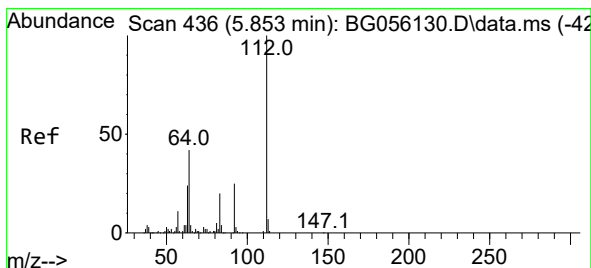
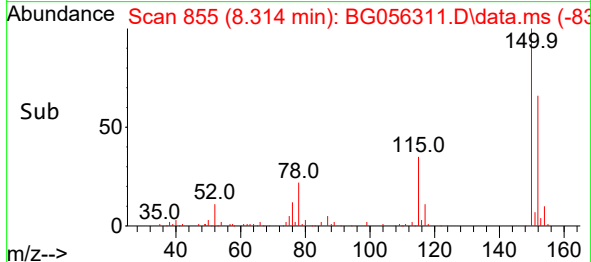
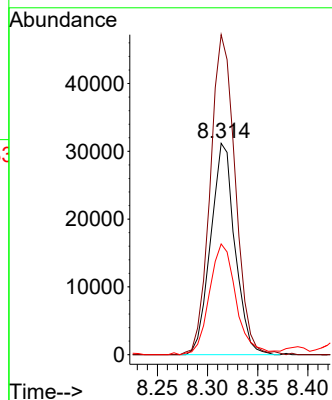
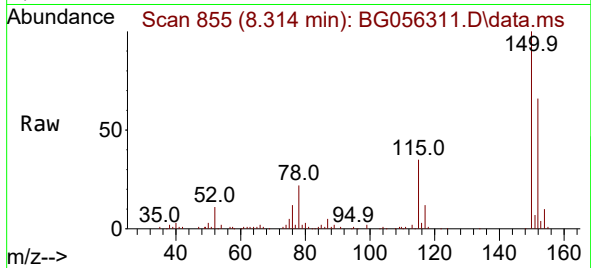




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.314 min Scan# 81  
Delta R.T. -0.003 min  
Lab File: BG056311.D  
Acq: 17 Jan 2023 12:16

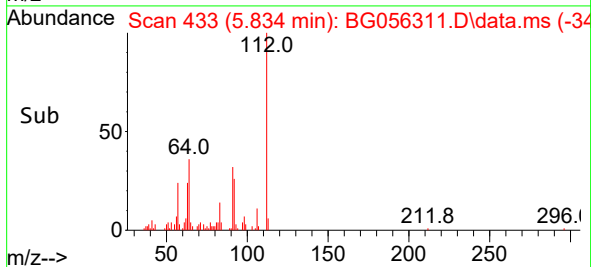
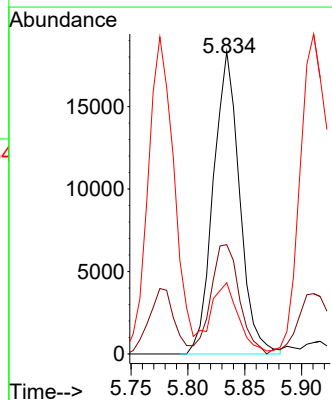
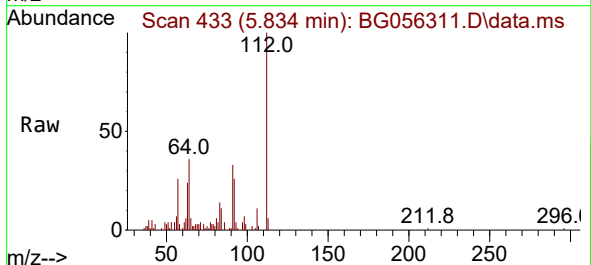
Instrument :  
BNA\_G  
ClientSampleId :  
20230113-H4-STOCKPILEDL

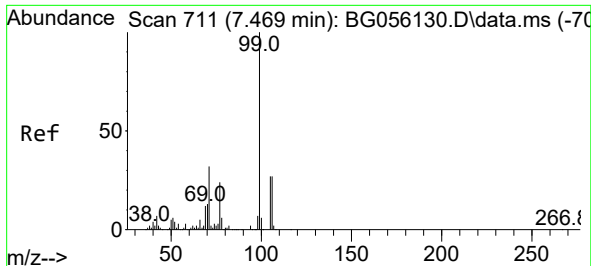
Tgt Ion:152 Resp: 52335  
Ion Ratio Lower Upper  
152 100  
150 151.4 127.9 191.9  
115 52.4 44.2 66.2



#5  
2-Fluorophenol  
Concen: 10.032 ng  
RT: 5.834 min Scan# 433  
Delta R.T. 0.009 min  
Lab File: BG056311.D  
Acq: 17 Jan 2023 12:16

Tgt Ion:112 Resp: 29406  
Ion Ratio Lower Upper  
112 100  
64 36.1 33.3 49.9  
63 23.5 19.0 28.4

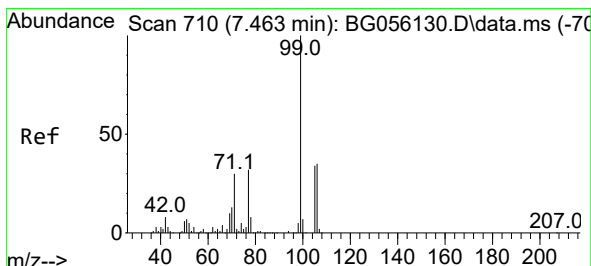
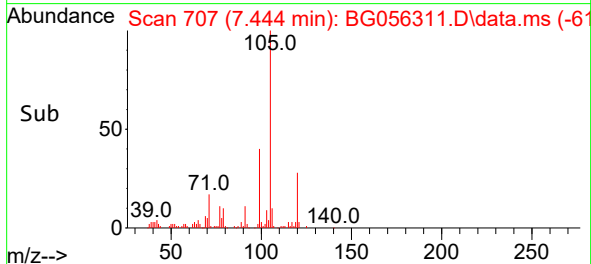
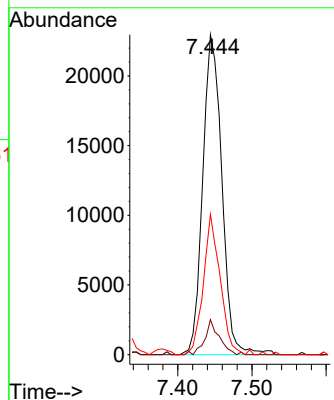
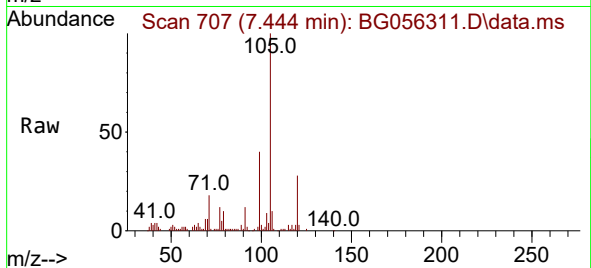




#7  
Phenol-d6  
Concen: 9.176 ng  
RT: 7.444 min Scan# 707  
Delta R.T. -0.003 min  
Lab File: BG056311.D  
Acq: 17 Jan 2023 12:16

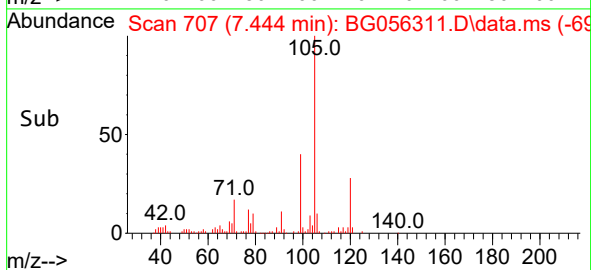
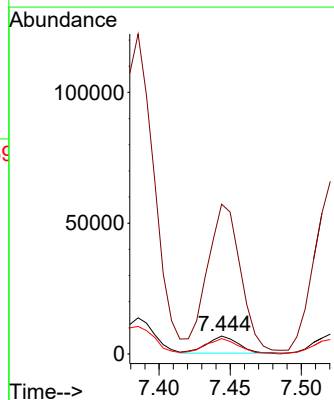
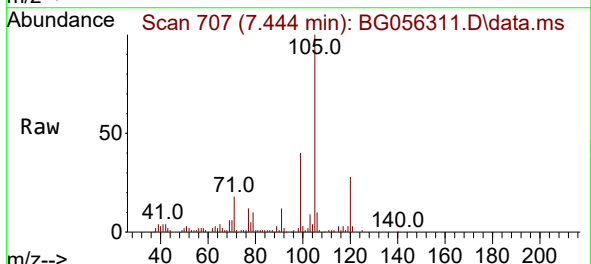
Instrument :  
BNA\_G  
ClientSampleId :  
20230113-H4-STOCKPILEDL

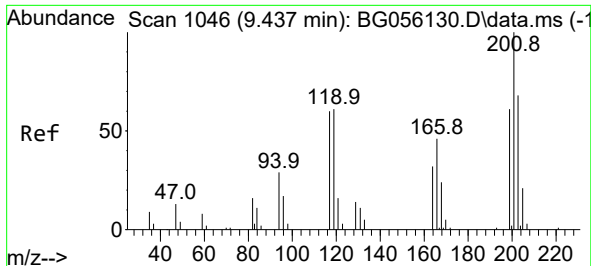
Tgt Ion: 99 Resp: 41303  
Ion Ratio Lower Upper  
99 100  
42 10.9 5.9 8.9#  
71 43.8 25.4 38.2#



#9  
Benzaldehyde  
Concen: 3.750 ng  
RT: 7.444 min Scan# 707  
Delta R.T. 0.003 min  
Lab File: BG056311.D  
Acq: 17 Jan 2023 12:16

Tgt Ion: 77 Resp: 10038  
Ion Ratio Lower Upper  
77 100  
105 834.9 86.8 126.8#  
106 86.1 89.3 129.3#

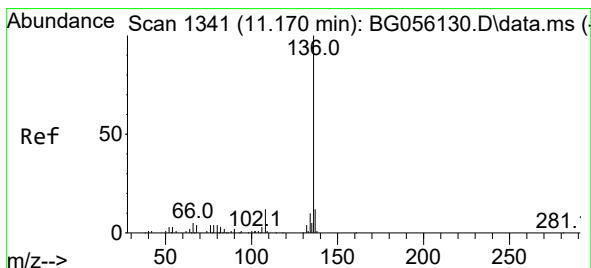
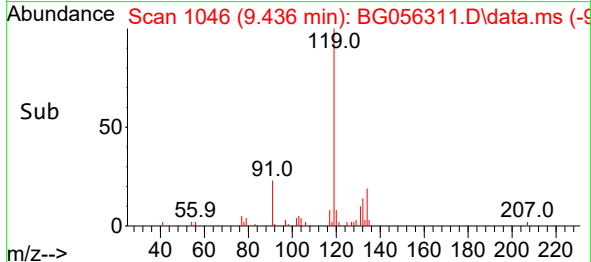
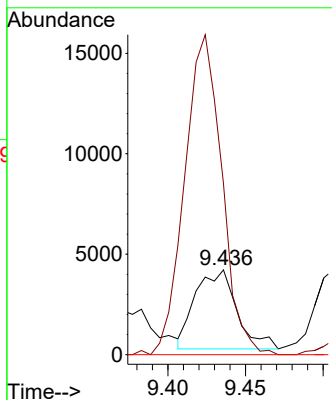
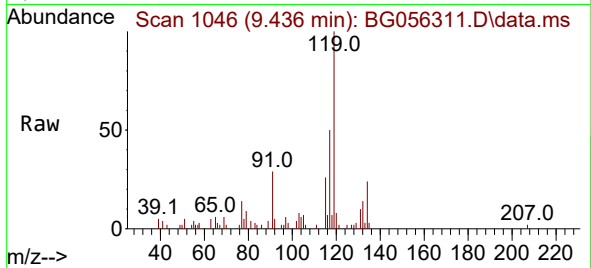




#18  
Hexachloroethane  
Concen: 6.731 ng  
RT: 9.436 min Scan# 1046  
Delta R.T. 0.020 min  
Lab File: BG056311.D  
Acq: 17 Jan 2023 12:16

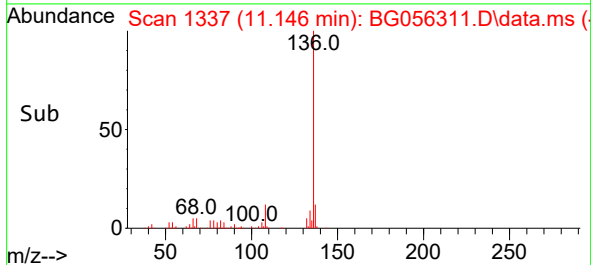
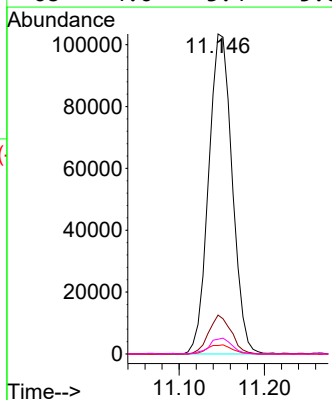
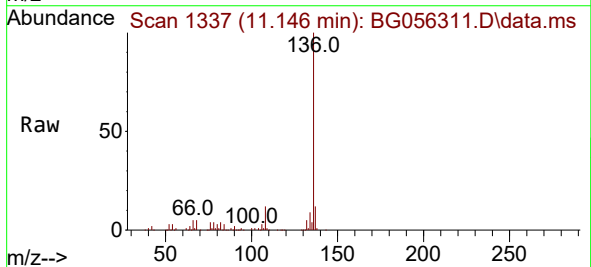
Instrument :  
BNA\_G  
ClientSampleId :  
20230113-H4-STOCKPILEDL

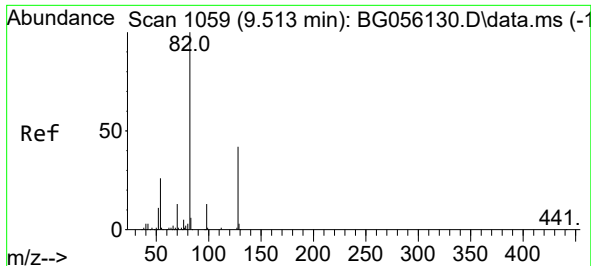
Tgt Ion:117 Resp: 7289  
Ion Ratio Lower Upper  
117 100  
119 201.5 81.8 122.6#  
201 0.0 134.2 201.2#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.146 min Scan# 1337  
Delta R.T. -0.003 min  
Lab File: BG056311.D  
Acq: 17 Jan 2023 12:16

Tgt Ion:136 Resp: 198828  
Ion Ratio Lower Upper  
136 100  
137 12.1 9.4 14.0  
54 2.7 2.2 3.2  
68 4.6 3.4 5.0

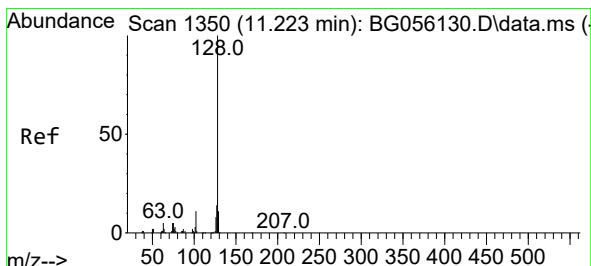
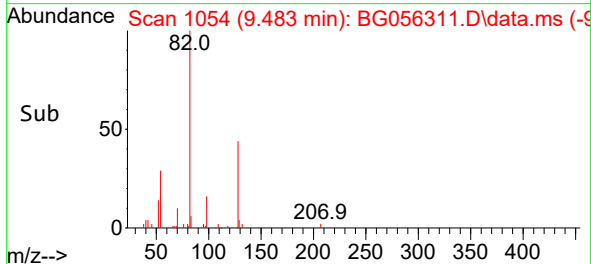
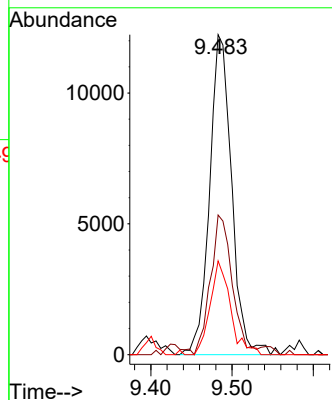
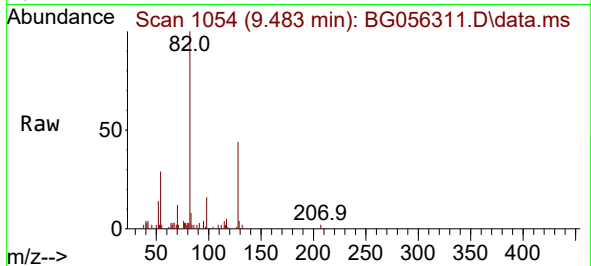




#23  
Nitrobenzene-d5  
Concen: 5.940 ng  
RT: 9.483 min Scan# 1054  
Delta R.T. -0.009 min  
Lab File: BG056311.D  
Acq: 17 Jan 2023 12:16

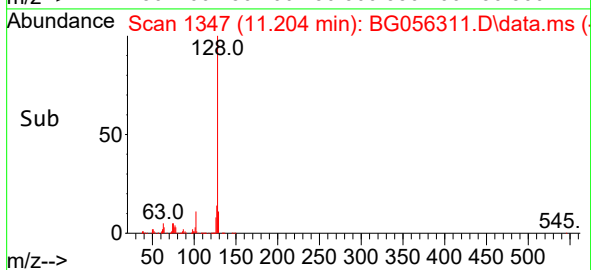
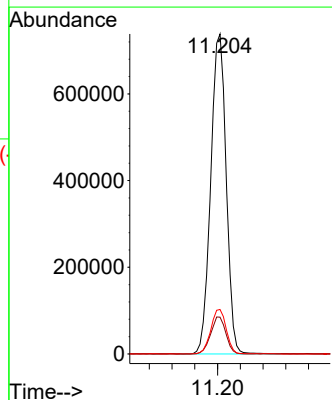
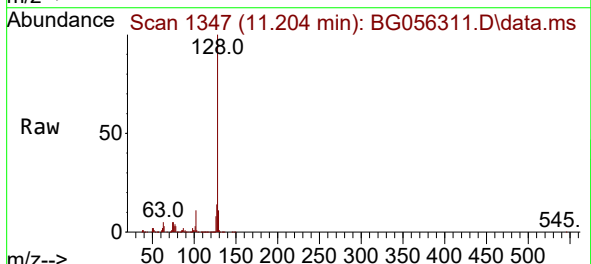
Instrument :  
BNA\_G  
ClientSampleId :  
20230113-H4-STOCKPILEDL

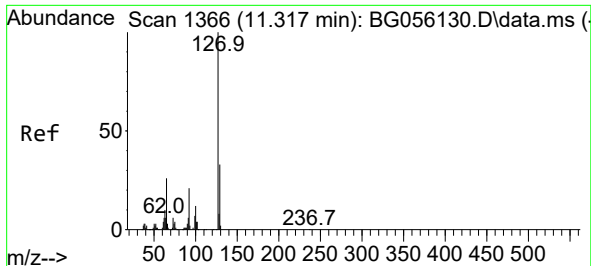
Tgt Ion: 82 Resp: 23089  
Ion Ratio Lower Upper  
82 100  
128 43.6 33.4 50.2  
54 29.3 20.3 30.5



#31  
Naphthalene  
Concen: 132.706 ng  
RT: 11.204 min Scan# 1347  
Delta R.T. 0.003 min  
Lab File: BG056311.D  
Acq: 17 Jan 2023 12:16

Tgt Ion:128 Resp: 1388640  
Ion Ratio Lower Upper  
128 100  
129 11.5 8.9 13.3  
127 13.9 11.2 16.8

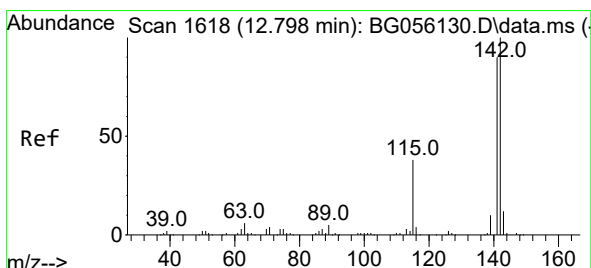
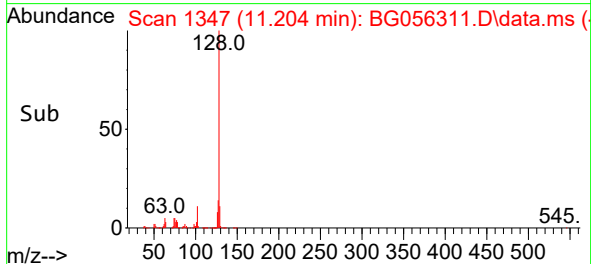
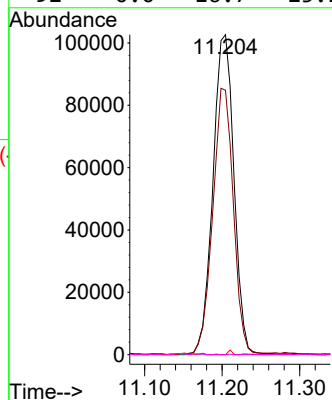
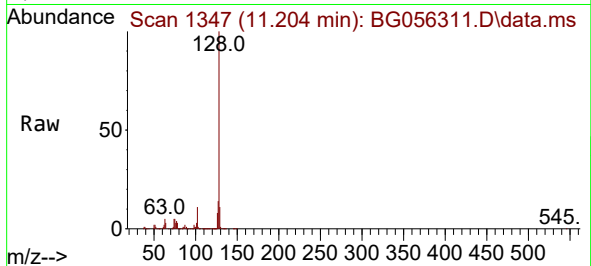




#33  
4-Chloroaniline  
Concen: 38.708 ng  
RT: 11.204 min Scan# 11  
Delta R.T. -0.091 min  
Lab File: BG056311.D  
Acq: 17 Jan 2023 12:16

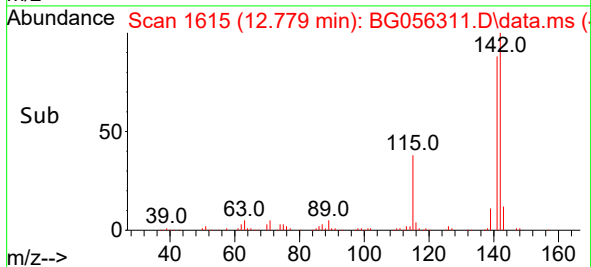
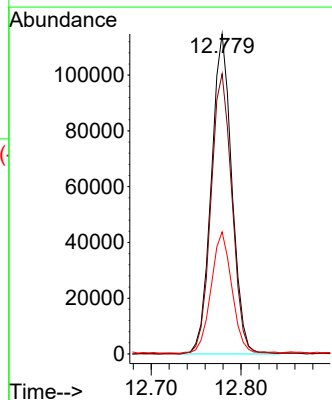
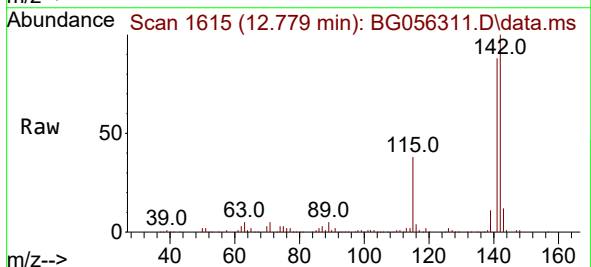
Instrument :  
BNA\_G  
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20230113-H4-STOCKPILEDL

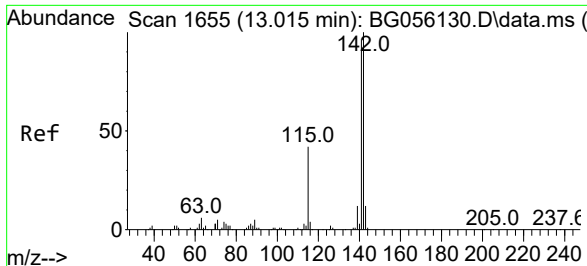
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|----------|-------|-------|--------|
| Tgt Ion: | 127   | Resp: | 193381 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 82.6  | 26.1  | 39.1#  |
| 65       | 0.0   | 20.9  | 31.3#  |
| 92       | 0.0   | 16.7  | 25.1#  |



#37  
2-Methylnaphthalene  
Concen: 20.668 ng  
RT: 12.779 min Scan# 1615  
Delta R.T. 0.003 min  
Lab File: BG056311.D  
Acq: 17 Jan 2023 12:16

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 142   | Resp: | 182614 |
| Ion      | Ratio | Lower | Upper  |
| 142      | 100   |       |        |
| 141      | 87.5  | 72.2  | 108.4  |
| 115      | 38.1  | 30.7  | 46.1   |

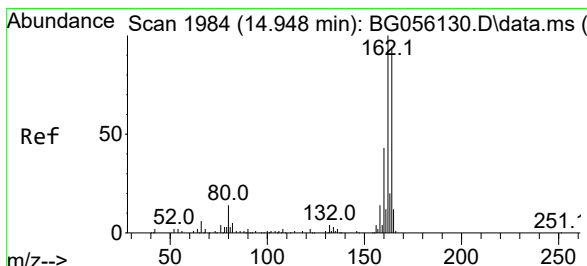
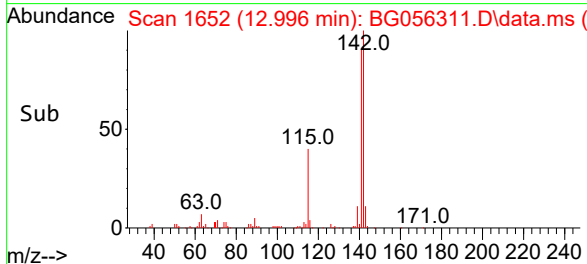
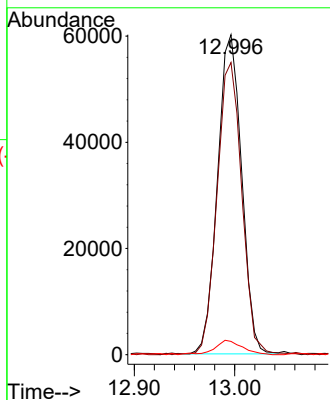
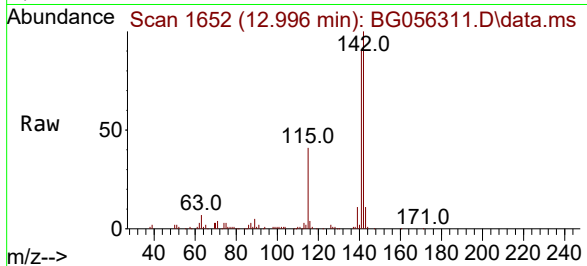




#38  
1-Methylnaphthalene  
Concen: 12.228 ng  
RT: 12.996 min Scan# 1  
Delta R.T. 0.003 min  
Lab File: BG056311.D  
Acq: 17 Jan 2023 12:16

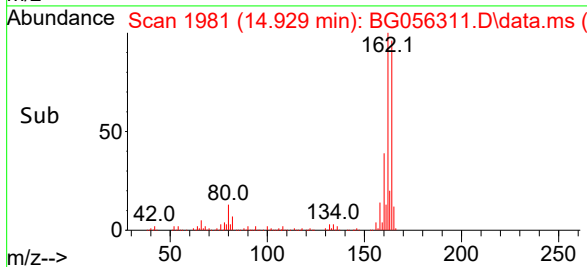
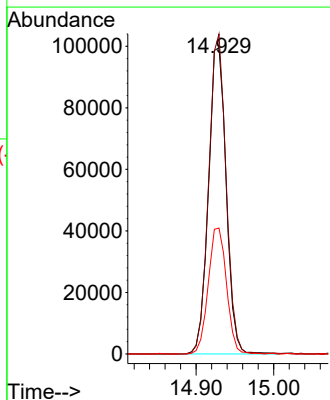
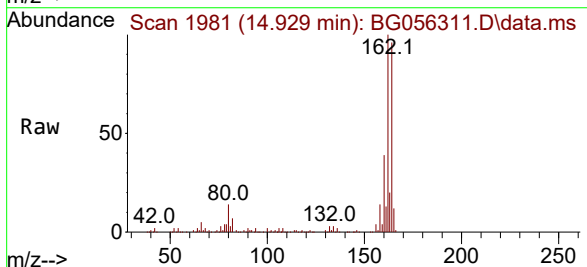
Instrument :  
BNA\_G  
ClientSampleId :  
20230113-H4-STOCKPILEDL

Tgt Ion:142 Resp: 100330  
Ion Ratio Lower Upper  
142 100  
141 91.3 77.0 115.6  
116 4.1 3.6 5.4

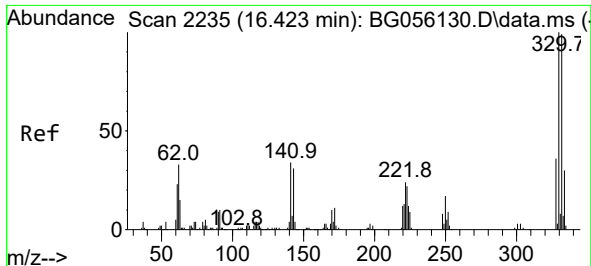


#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.929 min Scan# 1981  
Delta R.T. 0.003 min  
Lab File: BG056311.D  
Acq: 17 Jan 2023 12:16

Tgt Ion:164 Resp: 158335  
Ion Ratio Lower Upper  
164 100  
162 104.4 84.7 127.1  
160 41.1 36.3 54.5



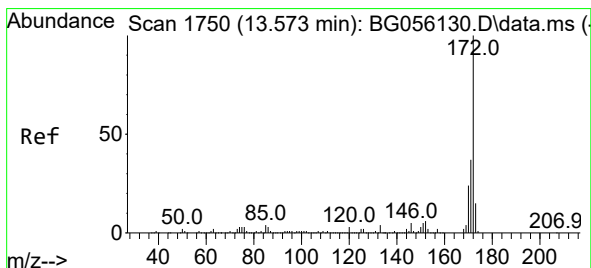
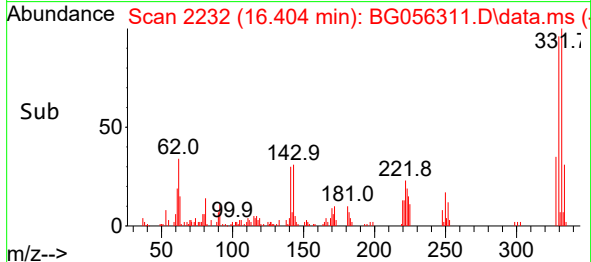
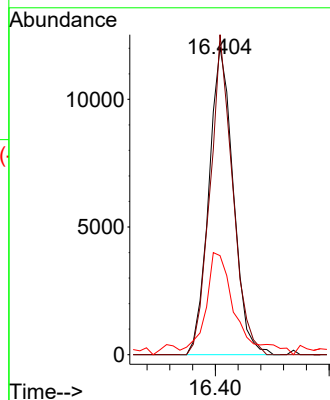
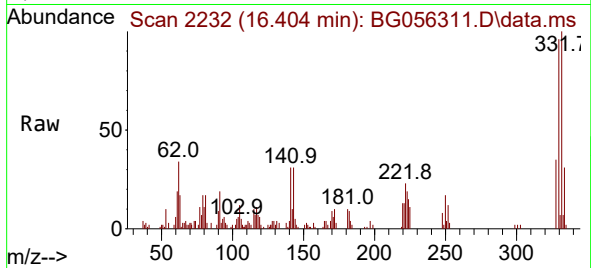




#42  
 2,4,6-Tribromophenol  
 Concen: 8.952 ng  
 RT: 16.404 min Scan# 21  
 Delta R.T. -0.003 min  
 Lab File: BG056311.D  
 Acq: 17 Jan 2023 12:16

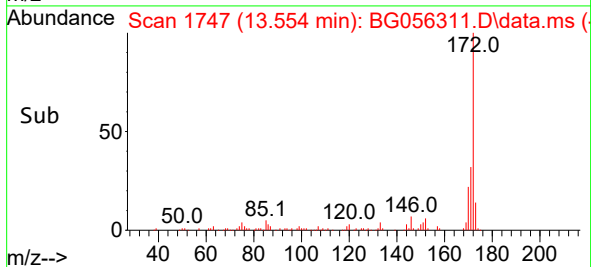
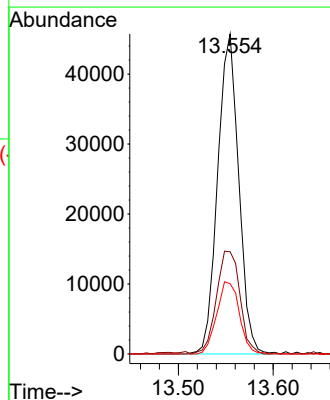
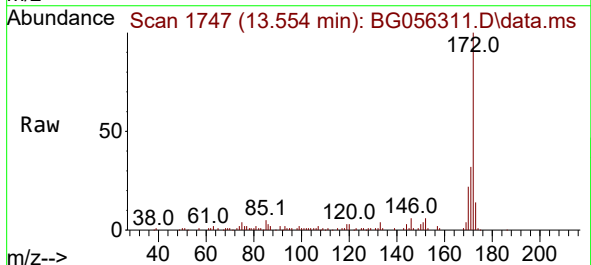
Instrument :  
 BNA\_G  
 ClientSampleId :  
 20230113-H4-STOCKPILEDL

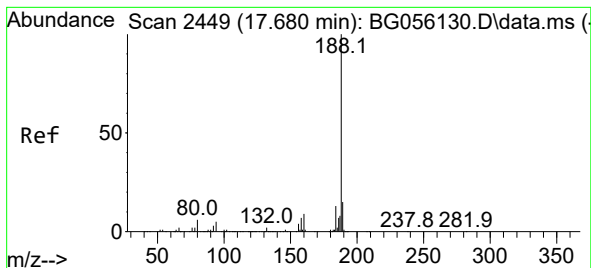
Tgt Ion:330 Resp: 17951  
 Ion Ratio Lower Upper  
 330 100  
 332 96.0 77.3 115.9  
 141 39.8 27.9 41.9



#45  
 2-Fluorobiphenyl  
 Concen: 6.164 ng  
 RT: 13.554 min Scan# 1747  
 Delta R.T. -0.003 min  
 Lab File: BG056311.D  
 Acq: 17 Jan 2023 12:16

Tgt Ion:172 Resp: 70674  
 Ion Ratio Lower Upper  
 172 100  
 171 32.0 29.6 44.4  
 170 22.0 19.4 29.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.661 min Scan# 2446

Delta R.T. -0.003 min

Lab File: BG056311.D

Acq: 17 Jan 2023 12:16

Instrument :

BNA\_G

ClientSampleId :

20230113-H4-STOCKPILEDL

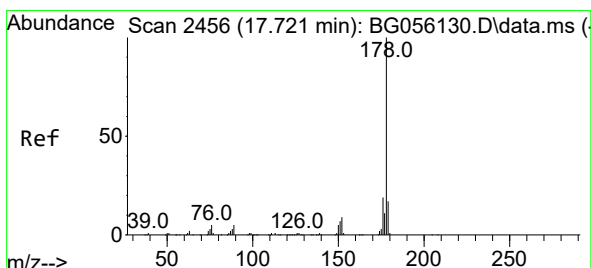
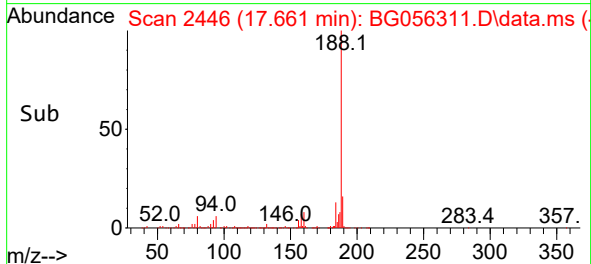
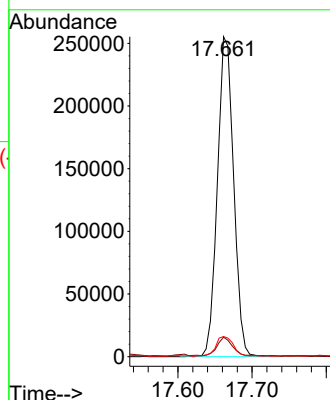
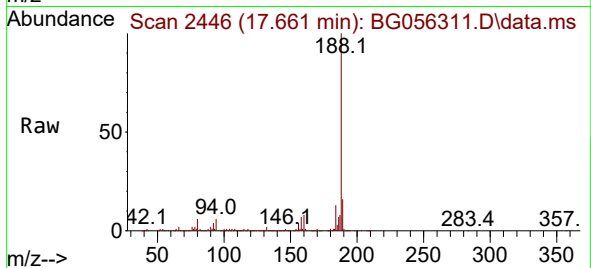
Tgt Ion:188 Resp: 388704

Ion Ratio Lower Upper

188 100

94 6.1 4.2 6.2

80 6.3 5.0 7.4



#71

Phenanthrene

Concen: 4.550 ng

RT: 17.708 min Scan# 2454

Delta R.T. -0.003 min

Lab File: BG056311.D

Acq: 17 Jan 2023 12:16

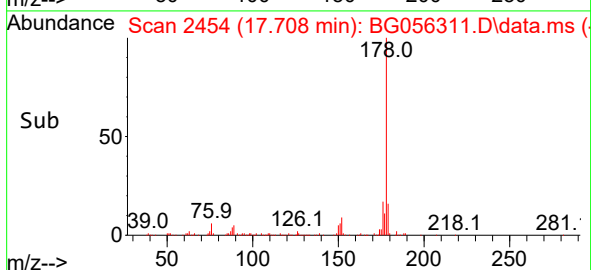
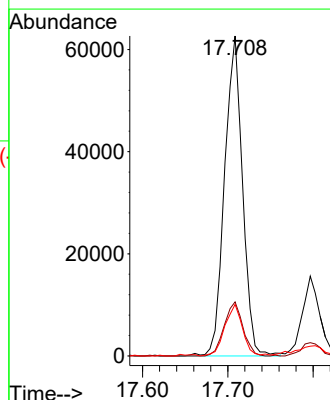
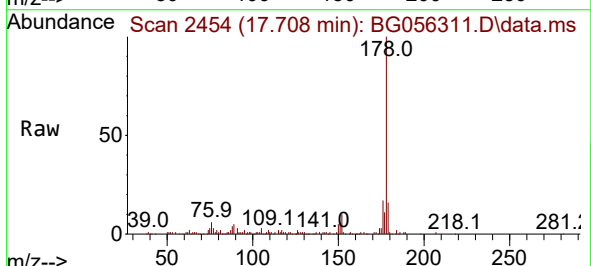
Tgt Ion:178 Resp: 91657

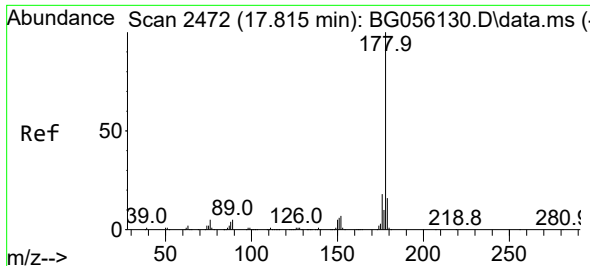
Ion Ratio Lower Upper

178 100

176 16.9 15.4 23.0

179 16.1 13.6 20.4

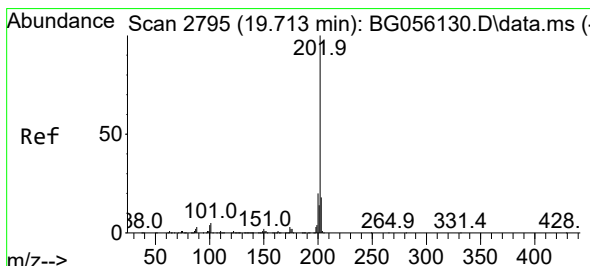
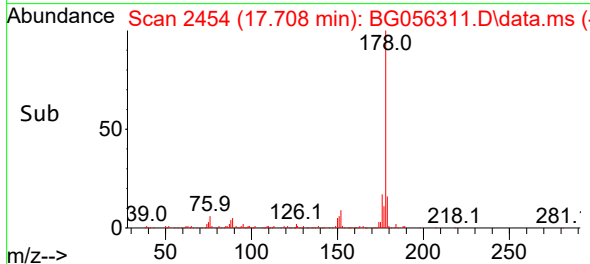
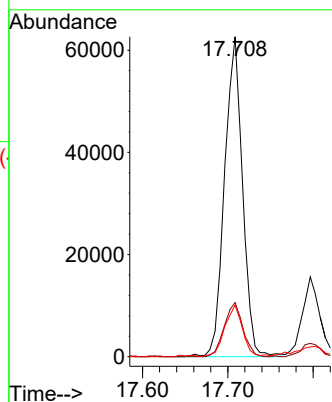
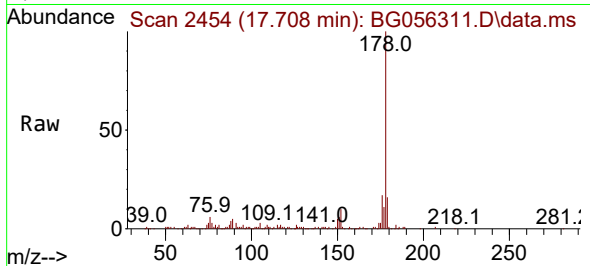




#72  
 Anthracene  
 Concen: 4.411 ng  
 RT: 17.708 min Scan# 2472  
 Delta R.T. -0.091 min  
 Lab File: BG056311.D  
 Acq: 17 Jan 2023 12:16

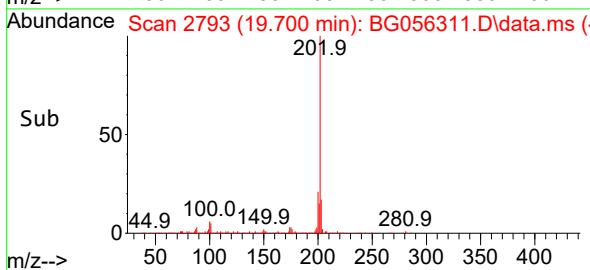
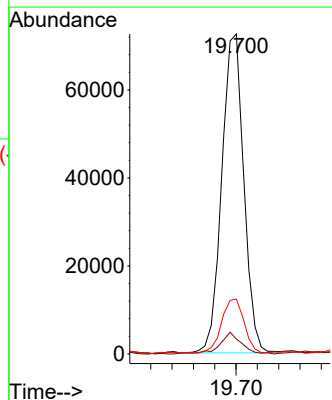
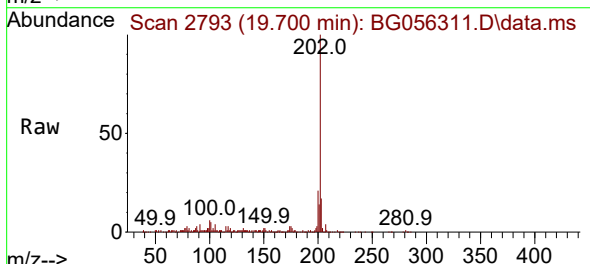
Instrument :  
 BNA\_G  
 ClientSampleId :  
 20230113-H4-STOCKPILEDL

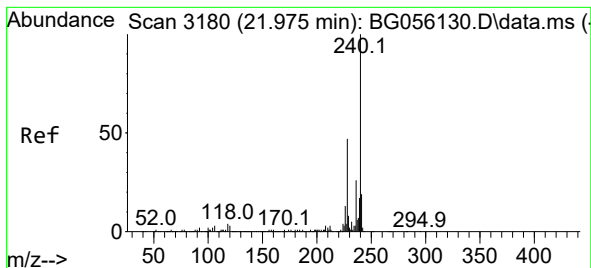
Tgt Ion:178 Resp: 91657  
 Ion Ratio Lower Upper  
 178 100  
 176 16.9 14.6 22.0  
 179 16.1 12.7 19.1



#75  
 Fluoranthene  
 Concen: 3.956 ng  
 RT: 19.700 min Scan# 2793  
 Delta R.T. 0.003 min  
 Lab File: BG056311.D  
 Acq: 17 Jan 2023 12:16

Tgt Ion:202 Resp: 103935  
 Ion Ratio Lower Upper  
 202 100  
 101 4.7 0.0 25.0  
 203 17.2 0.0 38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.962 min Scan# 31

Delta R.T. 0.003 min

Lab File: BG056311.D

Acq: 17 Jan 2023 12:16

Instrument :

BNA\_G

ClientSampleId :

20230113-H4-STOCKPILEDL

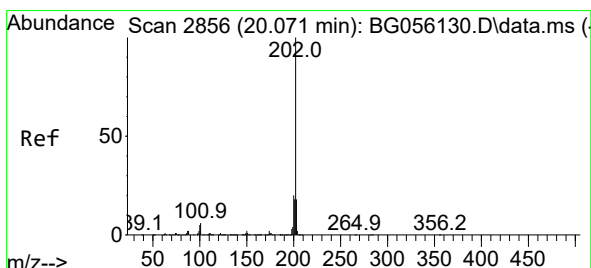
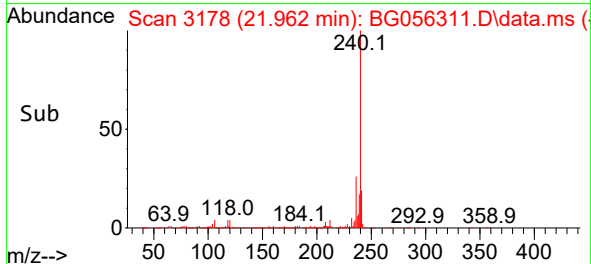
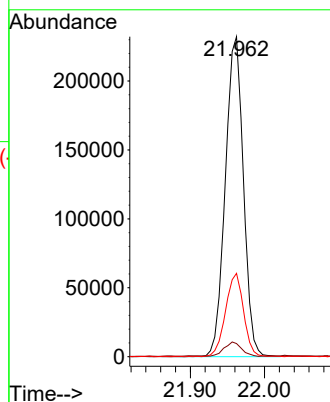
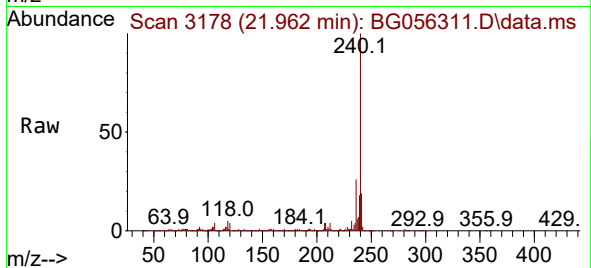
Tgt Ion:240 Resp: 393162

Ion Ratio Lower Upper

240 100

120 4.1 2.6 4.0#

236 26.1 20.8 31.2



#78

Pyrene

Concen: 3.615 ng

RT: 20.059 min Scan# 2854

Delta R.T. 0.003 min

Lab File: BG056311.D

Acq: 17 Jan 2023 12:16

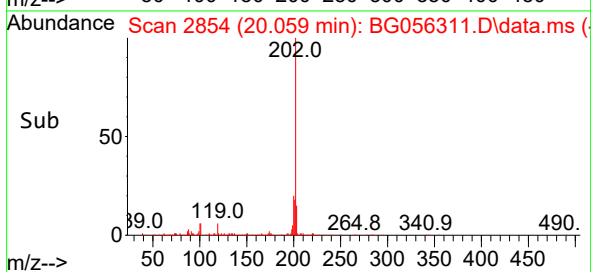
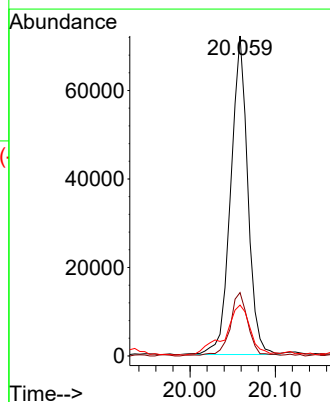
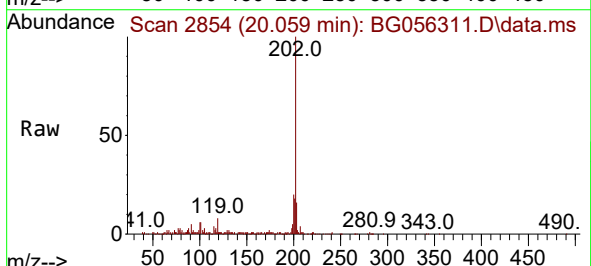
Tgt Ion:202 Resp: 100188

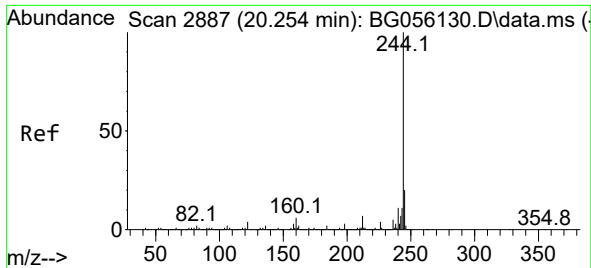
Ion Ratio Lower Upper

202 100

200 19.8 16.4 24.6

203 15.9 14.3 21.5

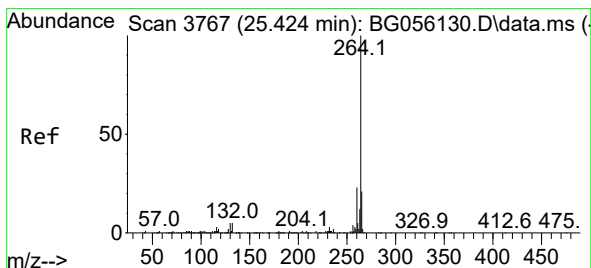
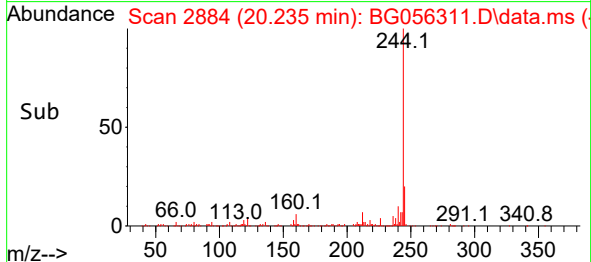
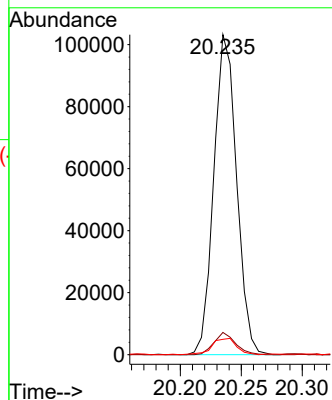
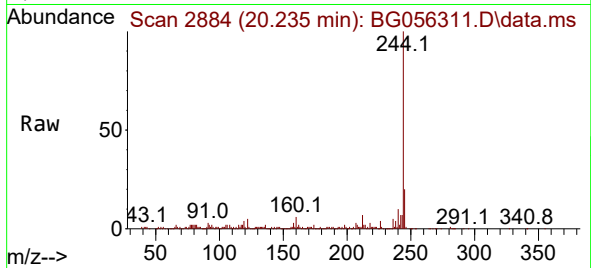




#79  
 Terphenyl-d14  
 Concen: 6.117 ng  
 RT: 20.235 min Scan# 21  
 Delta R.T. -0.003 min  
 Lab File: BG056311.D  
 Acq: 17 Jan 2023 12:16

Instrument :  
 BNA\_G  
 ClientSampleId :  
 20230113-H4-STOCKPILEDL

Tgt Ion:244 Resp: 134278  
 Ion Ratio Lower Upper  
 244 100  
 212 7.0 5.7 8.5  
 122 4.8 3.5 5.3



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 25.405 min Scan# 3764  
 Delta R.T. 0.003 min  
 Lab File: BG056311.D  
 Acq: 17 Jan 2023 12:16

Tgt Ion:264 Resp: 435612  
 Ion Ratio Lower Upper  
 264 100  
 260 23.2 18.6 28.0  
 265 22.3 16.7 25.1

