

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG080223\  
 Data File : BG058571.D  
 Acq On : 2 Aug 2023 9:59  
 Operator : MA/JU  
 Sample : 03645-07  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 DUP

Quant Time: Aug 02 19:22:44 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG072823.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 28 22:29:07 2023  
 Response via : Initial Calibration

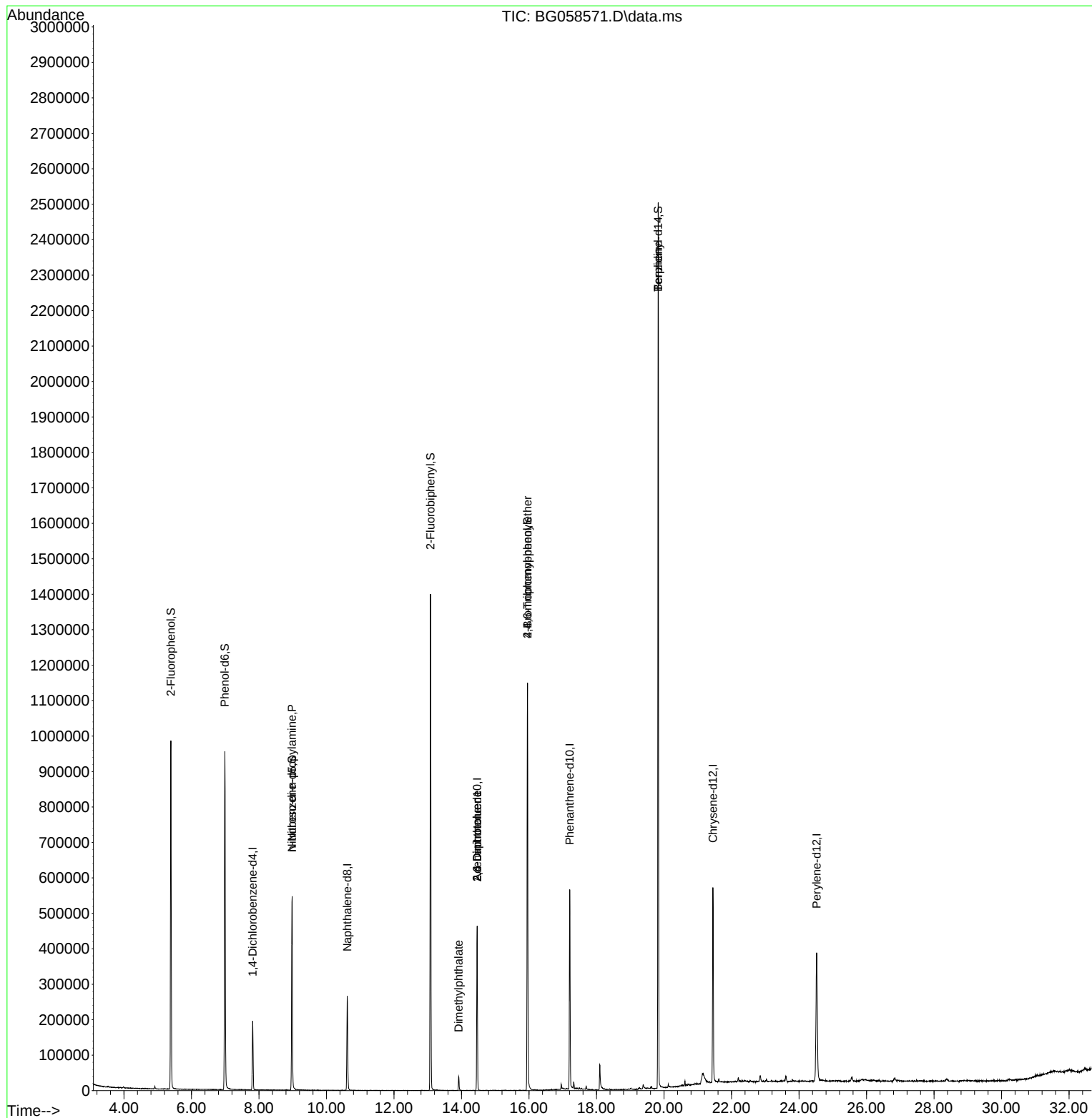
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.811  | 152  | 54082    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.614 | 136  | 234812   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.462 | 164  | 164688   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.206 | 188  | 370089   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.448 | 240  | 322252   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 24.521 | 264  | 402408   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.391  | 112  | 424891   | 120.082 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.989  | 99   | 579545   | 117.709 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.981  | 82   | 344533   | 72.080  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.955 | 330  | 262786   | 97.351  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.082 | 172  | 778631   | 70.852  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.827 | 244  | 1310593  | 76.481  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 8.981  | 70   | 42031    | 13.216  | ng    | # 77     |
| 50) Dimethylphthalate         | 13.916 | 163  | 29882    | 2.416   | ng    | 97       |
| 51) 2,6-Dinitrotoluene        | 14.462 | 165  | 20891    | 7.698   | ng    | # 23     |
| 57) 2,4-Dinitrotoluene        | 14.462 | 165  | 20891    | 5.553   | ng    | # 24     |
| 67) 4-Bromophenyl-phenylether | 15.955 | 248  | 16975    | 4.044   | ng    | # 1      |
| 77) Benzidine                 | 19.827 | 184  | 16058    | 3.286   | ng    | # 92     |
| -----                         |        |      |          |         |       |          |

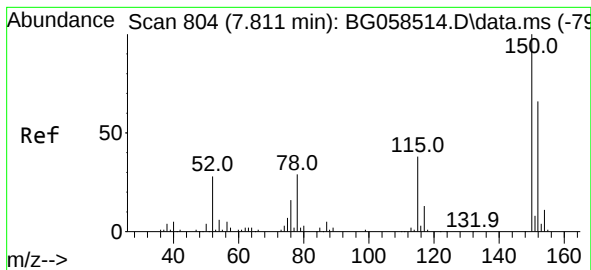
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG080223\  
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QLast Update : Fri Jul 28 22:29:07 2023  
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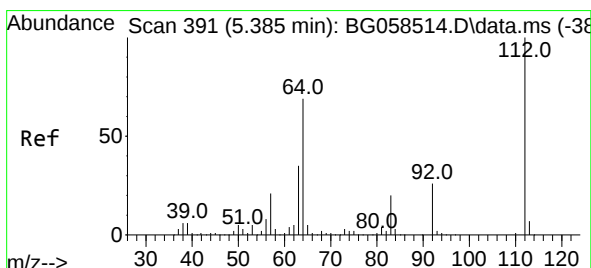
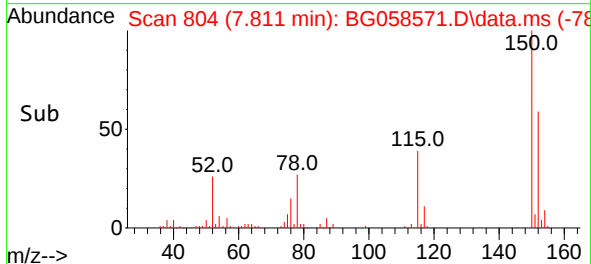
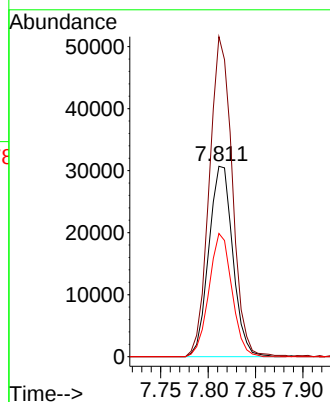
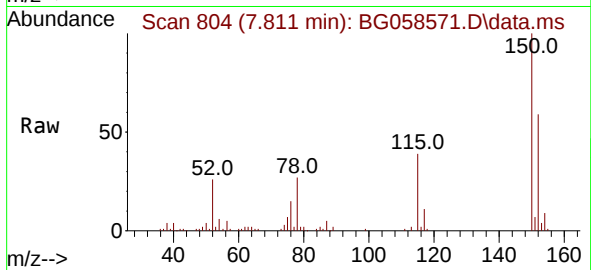




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.811 min Scan# 804  
Delta R.T. 0.000 min  
Lab File: BG058571.D  
Acq: 2 Aug 2023 9:59

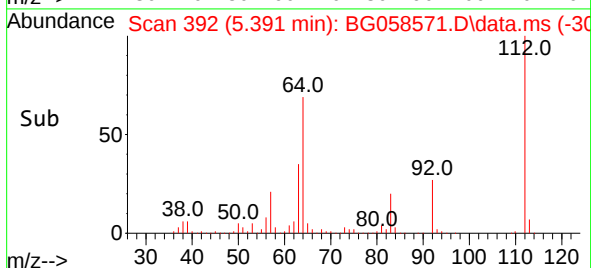
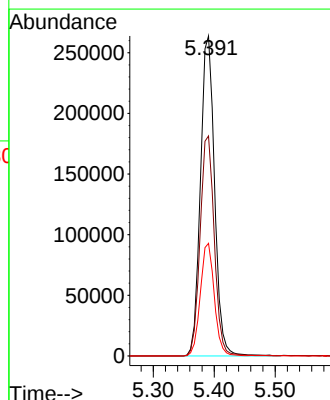
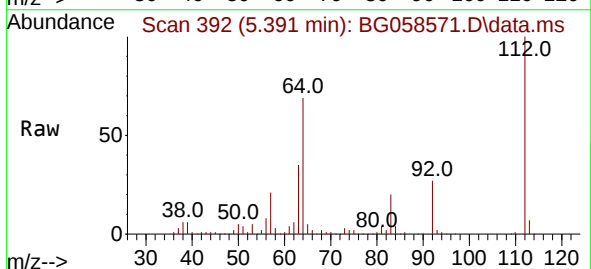
Instrument :  
BNA\_G  
ClientSampleId :  
DUP

Tgt Ion:152 Resp: 54082  
Ion Ratio Lower Upper  
152 100  
150 168.1 120.5 180.7  
115 64.8 45.9 68.9



#5  
2-Fluorophenol  
Concen: 120.082 ng  
RT: 5.391 min Scan# 392  
Delta R.T. 0.006 min  
Lab File: BG058571.D  
Acq: 2 Aug 2023 9:59

Tgt Ion:112 Resp: 424891  
Ion Ratio Lower Upper  
112 100  
64 68.7 55.3 82.9  
63 35.2 28.3 42.5

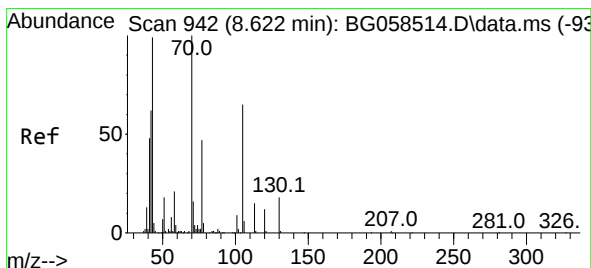
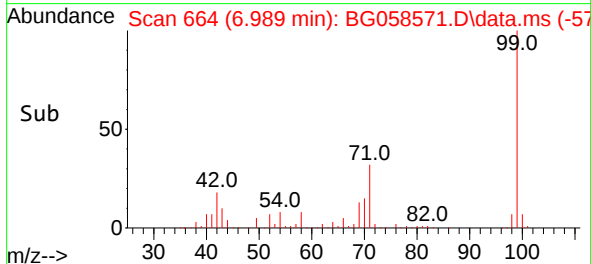
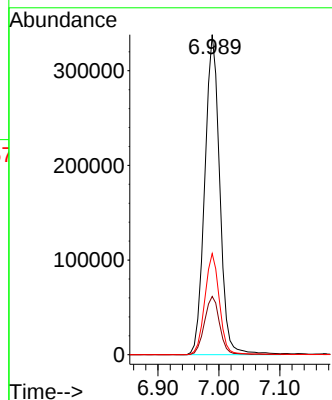
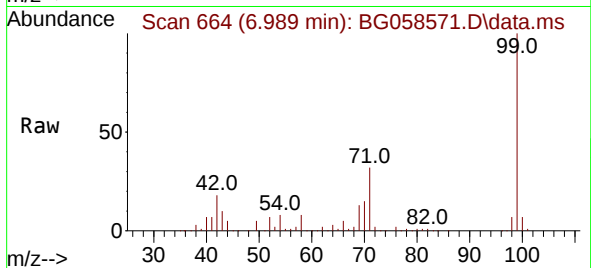




#7  
Phenol-d6  
Concen: 117.709 ng  
RT: 6.989 min Scan# 60  
Delta R.T. 0.006 min  
Lab File: BG058571.D  
Acq: 2 Aug 2023 9:59

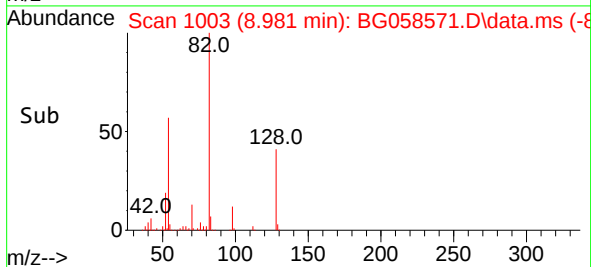
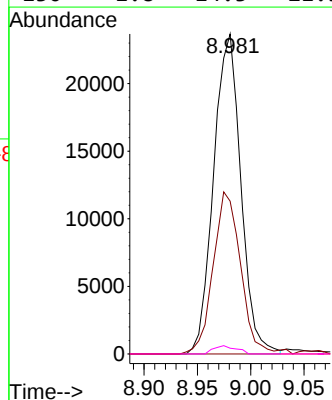
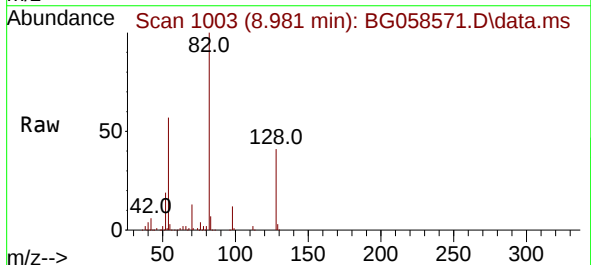
Instrument :  
BNA\_G  
ClientSampleId :  
DUP

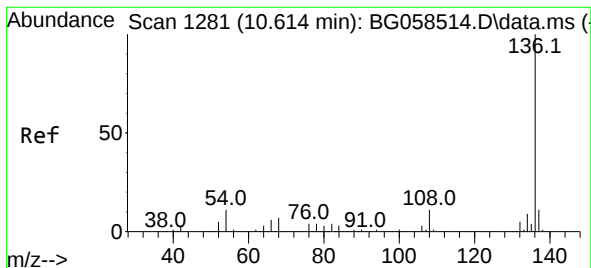
Tgt Ion: 99 Resp: 579545  
Ion Ratio Lower Upper  
99 100  
42 18.2 14.6 21.8  
71 31.6 25.0 37.4



#19  
n-Nitroso-di-n-propylamine  
Concen: 13.216 ng  
RT: 8.981 min Scan# 1003  
Delta R.T. 0.359 min  
Lab File: BG058571.D  
Acq: 2 Aug 2023 9:59

Tgt Ion: 70 Resp: 42031  
Ion Ratio Lower Upper  
70 100  
42 47.7 49.7 74.5#  
101 0.0 7.0 10.4#  
130 1.8 14.3 21.5#

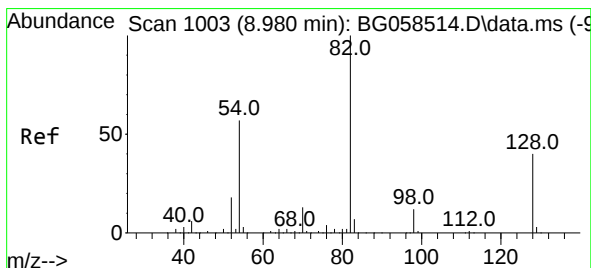
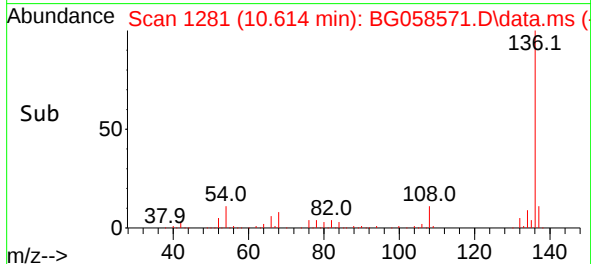
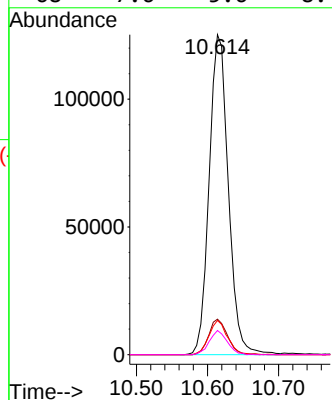
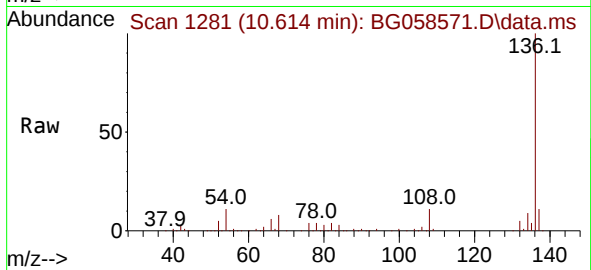




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.614 min Scan# 1281  
Delta R.T. 0.000 min  
Lab File: BG058571.D  
Acq: 2 Aug 2023 9:59

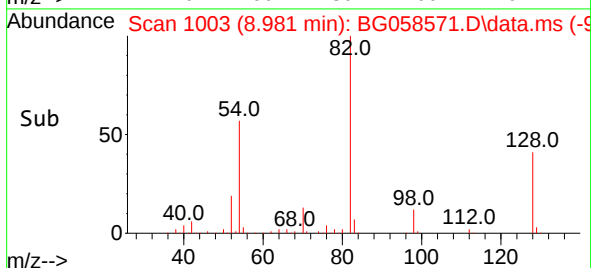
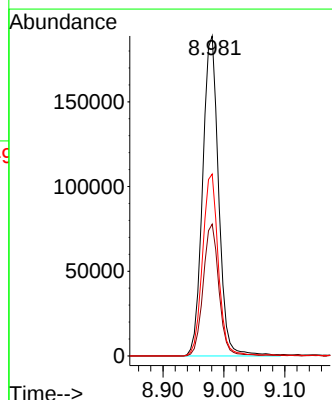
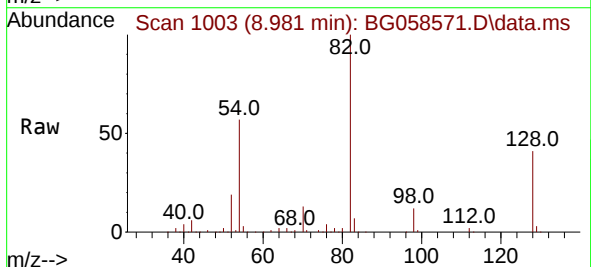
Instrument :  
BNA\_G  
ClientSampleId :  
DUP

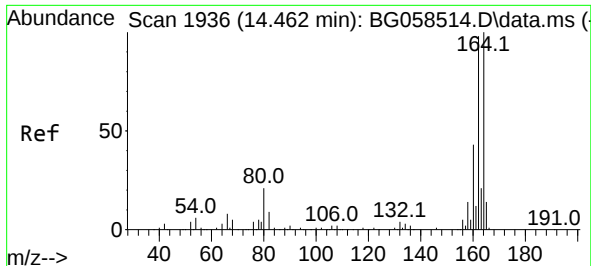
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 234812 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 11.1  | 8.6   | 13.0   |
| 54        | 10.7  | 8.9   | 13.3   |
| 68        | 7.6   | 5.6   | 8.4    |



#23  
Nitrobenzene-d5  
Concen: 72.080 ng  
RT: 8.981 min Scan# 1003  
Delta R.T. 0.000 min  
Lab File: BG058571.D  
Acq: 2 Aug 2023 9:59

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 82    | Resp: | 344533 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 41.2  | 32.2  | 48.2   |
| 54        | 56.8  | 46.0  | 69.0   |

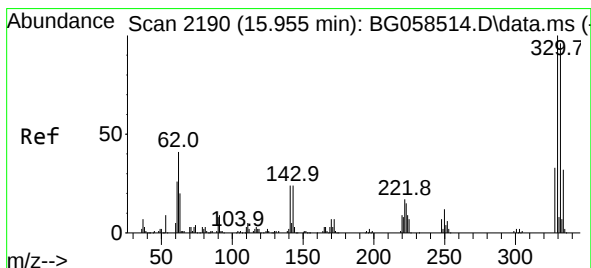
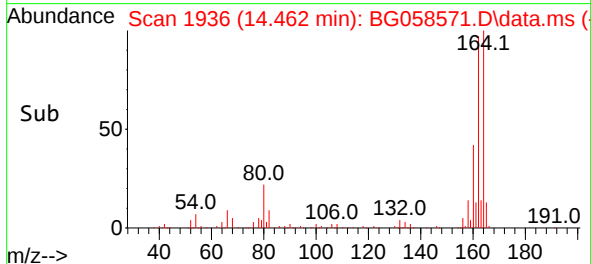
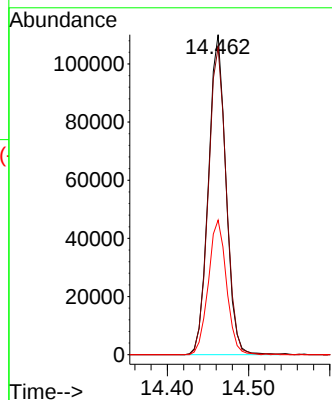
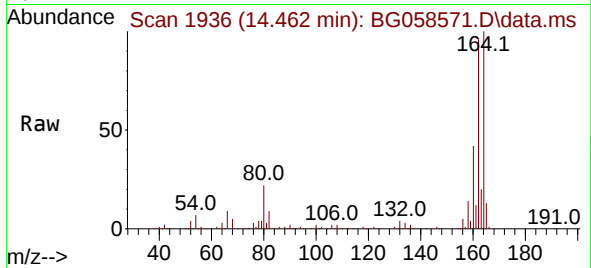




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.462 min Scan# 1936  
Delta R.T. 0.000 min  
Lab File: BG058571.D  
Acq: 2 Aug 2023 9:59

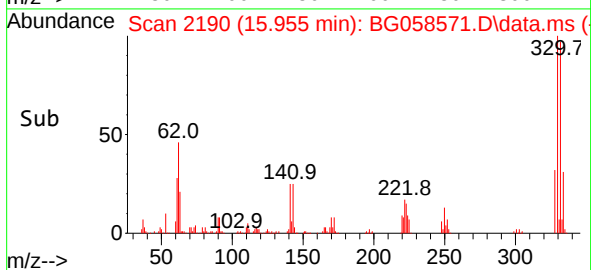
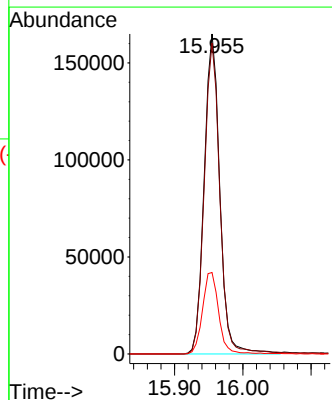
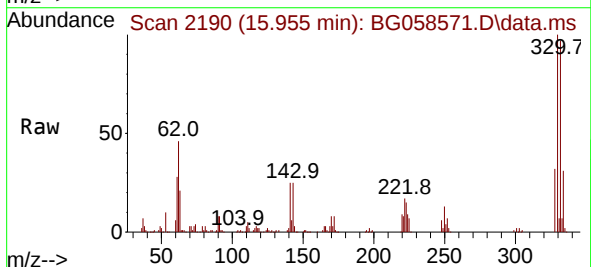
Instrument :  
BNA\_G  
ClientSampleId :  
DUP

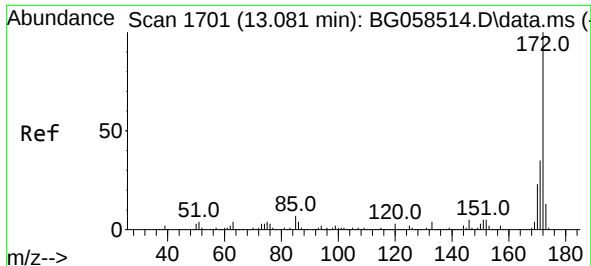
Tgt Ion:164 Resp: 164688  
Ion Ratio Lower Upper  
164 100  
162 96.1 78.3 117.5  
160 42.1 34.1 51.1



#42  
2,4,6-Tribromophenol  
Concen: 97.351 ng  
RT: 15.955 min Scan# 2190  
Delta R.T. 0.000 min  
Lab File: BG058571.D  
Acq: 2 Aug 2023 9:59

Tgt Ion:330 Resp: 262786  
Ion Ratio Lower Upper  
330 100  
332 97.3 77.5 116.3  
141 26.2 20.7 31.1

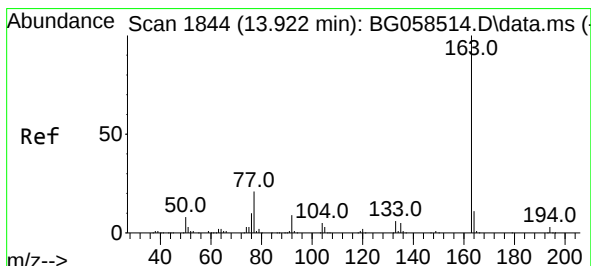
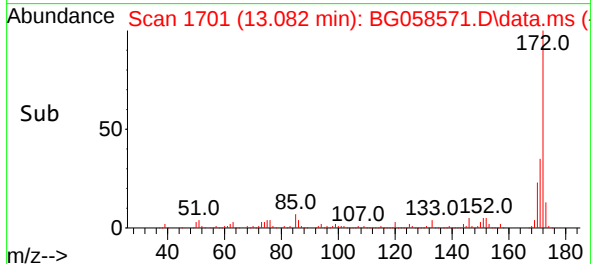
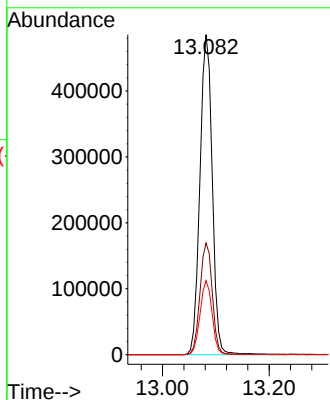
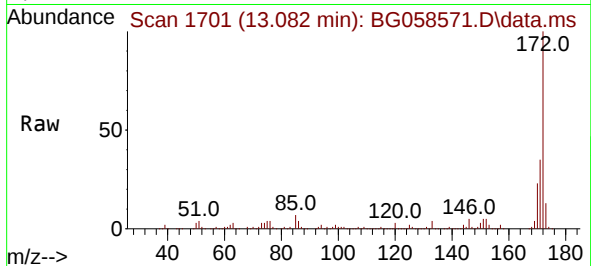




#45  
2-Fluorobiphenyl  
Concen: 70.852 ng  
RT: 13.082 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: BG058571.D  
Acq: 2 Aug 2023 9:59

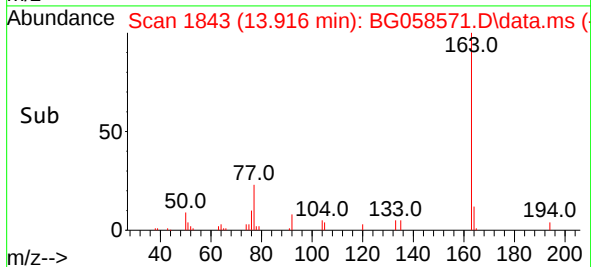
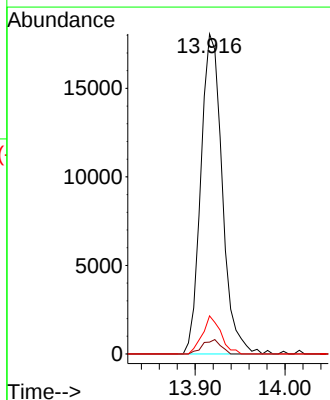
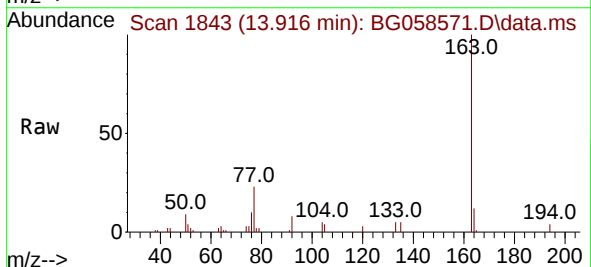
Instrument :  
BNA\_G  
ClientSampleId :  
DUP

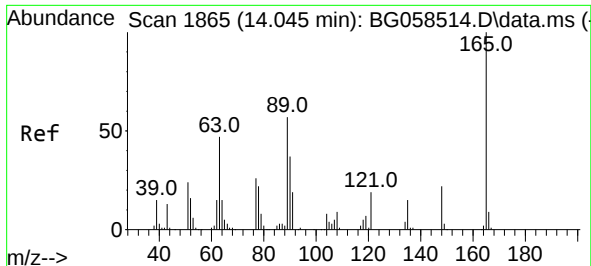
Tgt Ion:172 Resp: 778631  
Ion Ratio Lower Upper  
172 100  
171 34.9 28.0 42.0  
170 23.2 18.4 27.6



#50  
Dimethylphthalate  
Concen: 2.416 ng  
RT: 13.916 min Scan# 1843  
Delta R.T. -0.006 min  
Lab File: BG058571.D  
Acq: 2 Aug 2023 9:59

Tgt Ion:163 Resp: 29882  
Ion Ratio Lower Upper  
163 100  
194 3.7 2.7 4.1  
164 11.9 8.6 12.8

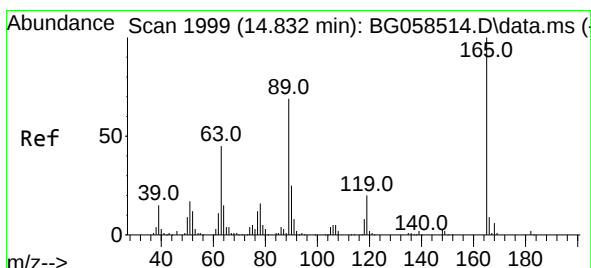
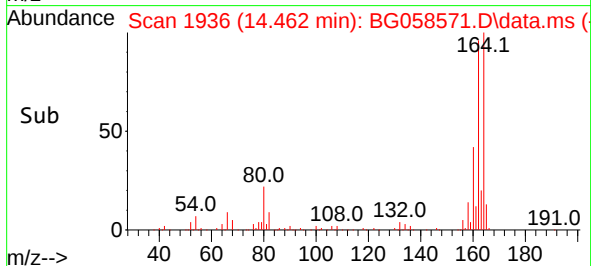
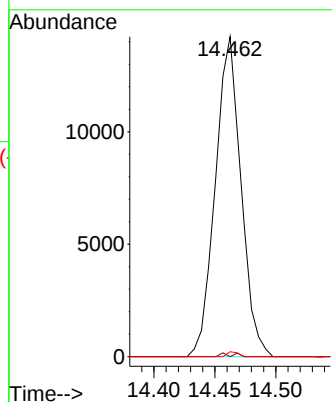
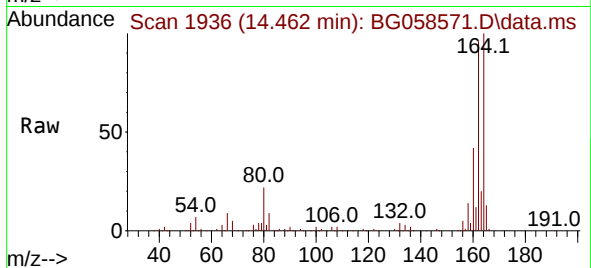




#51  
2,6-Dinitrotoluene  
Concen: 7.698 ng  
RT: 14.462 min Scan# 1936  
Delta R.T. 0.417 min  
Lab File: BG058571.D  
Acq: 2 Aug 2023 9:59

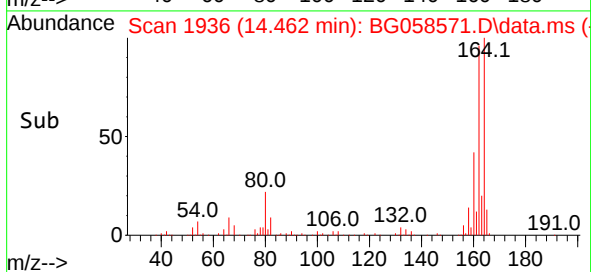
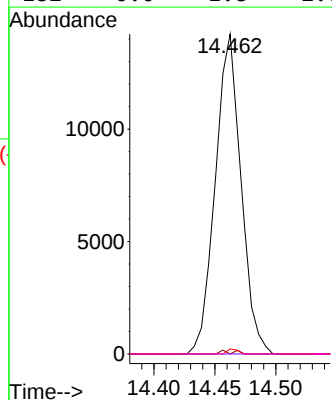
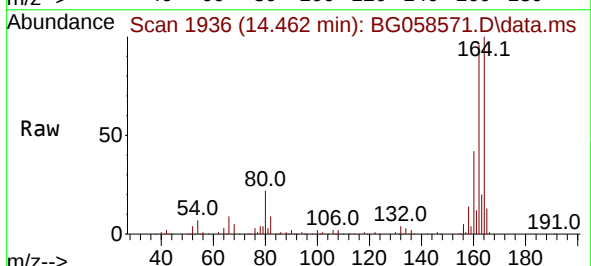
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BNA\_G  
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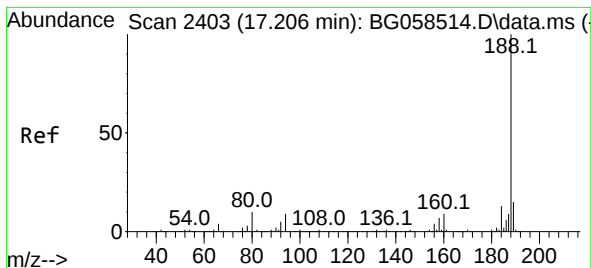
Tgt Ion:165 Resp: 20891  
Ion Ratio Lower Upper  
165 100  
63 0.0 46.4 69.6#  
89 1.6 45.3 67.9#



#57  
2,4-Dinitrotoluene  
Concen: 5.553 ng  
RT: 14.462 min Scan# 1936  
Delta R.T. -0.370 min  
Lab File: BG058571.D  
Acq: 2 Aug 2023 9:59

Tgt Ion:165 Resp: 20891  
Ion Ratio Lower Upper  
165 100  
63 0.0 36.6 54.8#  
89 1.6 55.4 83.0#  
182 0.0 1.8 2.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.206 min Scan# 24

Delta R.T. 0.000 min

Lab File: BG058571.D

Acq: 2 Aug 2023 9:59

Instrument :

BNA\_G

ClientSampleId :

DUP

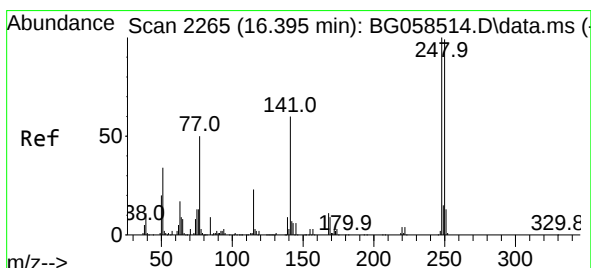
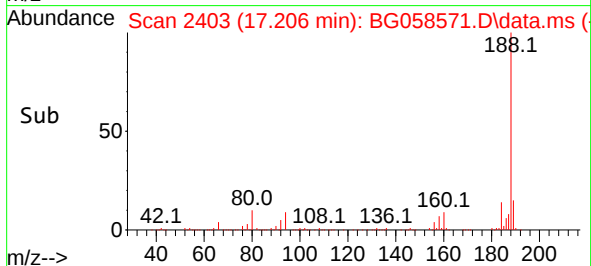
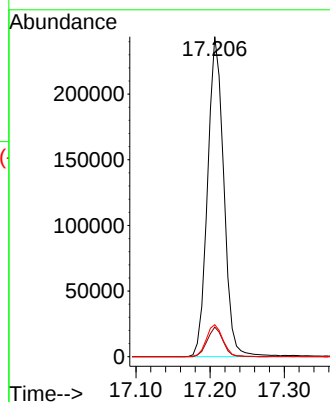
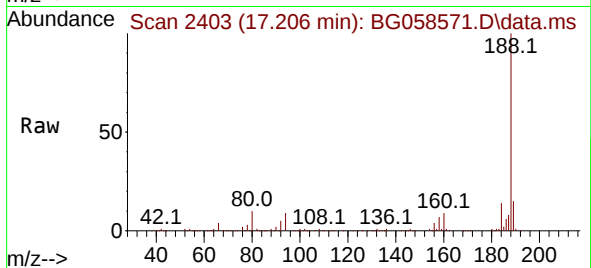
Tgt Ion:188 Resp: 370089

Ion Ratio Lower Upper

188 100

94 9.2 7.0 10.6

80 10.0 8.1 12.1



#67

4-Bromophenyl-phenylether

Concen: 4.044 ng

RT: 15.955 min Scan# 2190

Delta R.T. -0.440 min

Lab File: BG058571.D

Acq: 2 Aug 2023 9:59

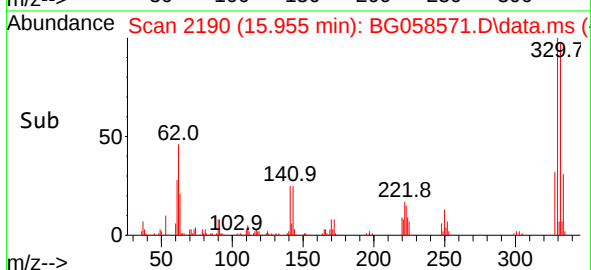
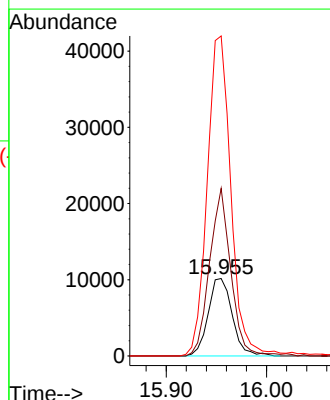
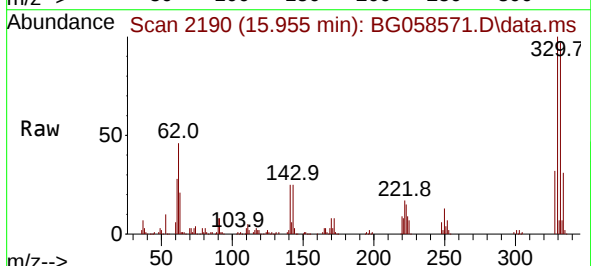
Tgt Ion:248 Resp: 16975

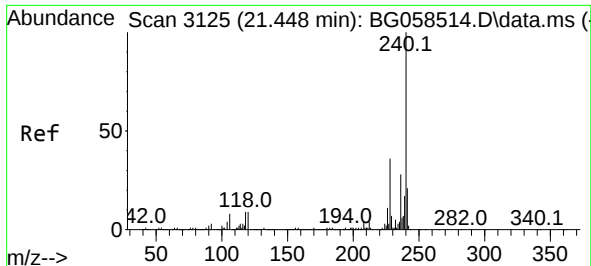
Ion Ratio Lower Upper

248 100

250 216.1 79.5 119.3#

141 413.0 48.2 72.2#

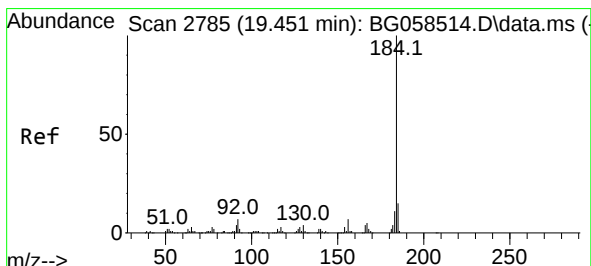
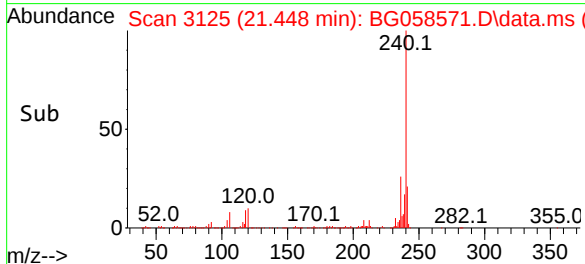
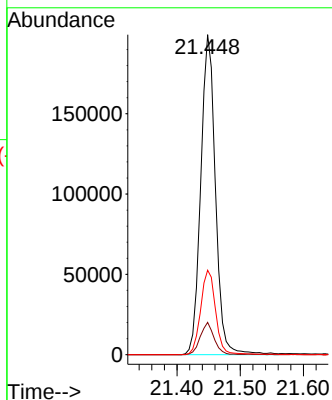
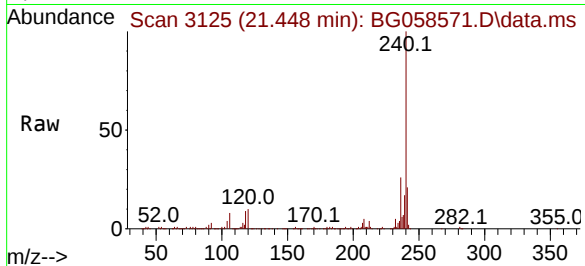




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.448 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: BG058571.D  
Acq: 2 Aug 2023 9:59

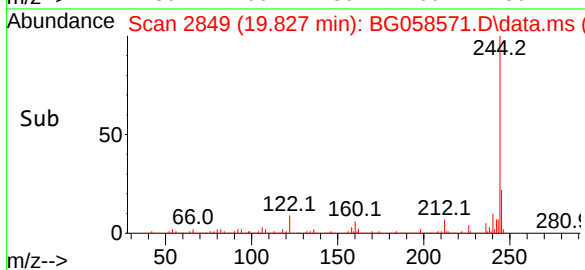
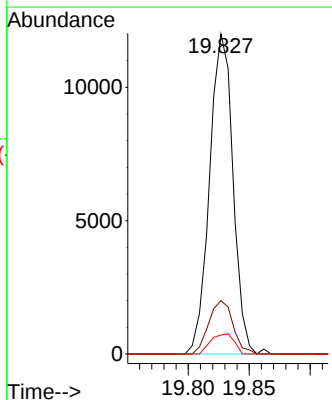
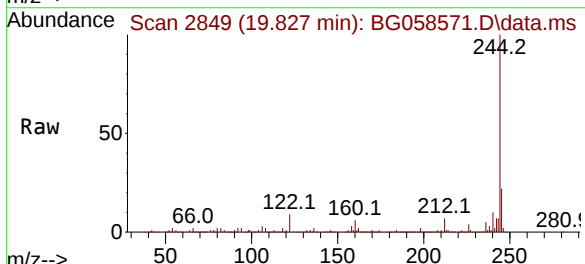
Instrument :  
BNA\_G  
ClientSampleId :  
DUP

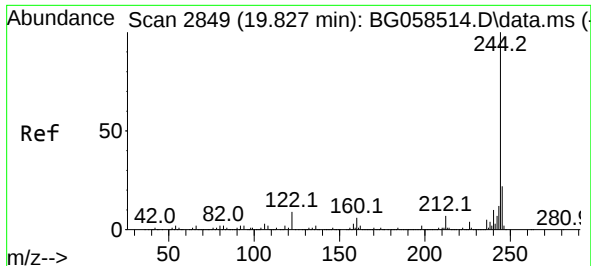
Tgt Ion:240 Resp: 322252  
Ion Ratio Lower Upper  
240 100  
120 10.1 7.4 11.0  
236 26.4 22.2 33.4



#77  
Benzidine  
Concen: 3.286 ng  
RT: 19.827 min Scan# 2849  
Delta R.T. 0.376 min  
Lab File: BG058571.D  
Acq: 2 Aug 2023 9:59

Tgt Ion:184 Resp: 16058  
Ion Ratio Lower Upper  
184 100  
185 16.7 11.9 17.9  
183 5.9 8.7 13.1#

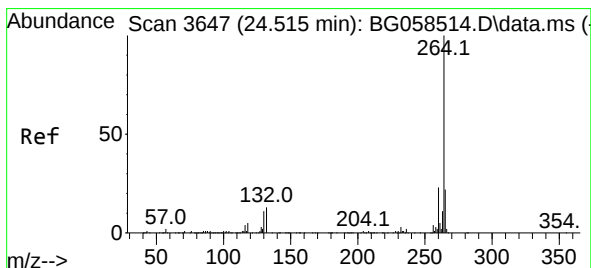
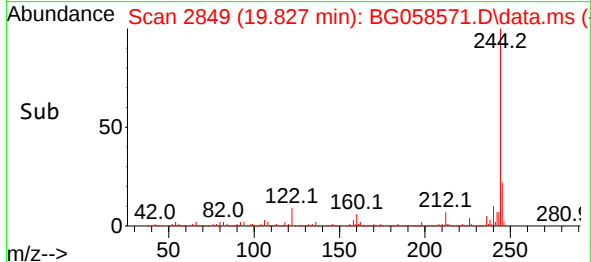
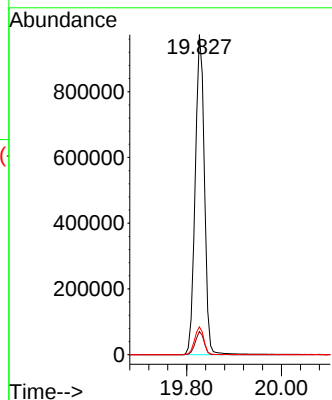
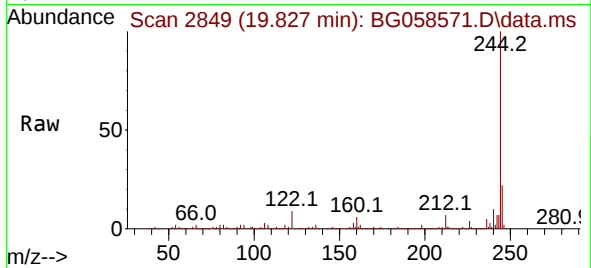




#79  
 Terphenyl-d14  
 Concen: 76.481 ng  
 RT: 19.827 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: BG058571.D  
 Acq: 2 Aug 2023 9:59

Instrument :  
 BNA\_G  
 ClientSampleId :  
 DUP

Tgt Ion:244 Resp: 1310593  
 Ion Ratio Lower Upper  
 244 100  
 212 7.3 5.9 8.9  
 122 8.7 6.8 10.2



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.521 min Scan# 3648  
 Delta R.T. 0.006 min  
 Lab File: BG058571.D  
 Acq: 2 Aug 2023 9:59

Tgt Ion:264 Resp: 402408  
 Ion Ratio Lower Upper  
 264 100  
 260 23.5 18.4 27.6  
 265 21.4 17.9 26.9

