

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG011323\  
 Data File : BG056288.D  
 Acq On : 13 Jan 2023 22:03  
 Operator : CG/JU  
 Sample : 01124-02MSD  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MH-4

Quant Time: Jan 16 00:25:57 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

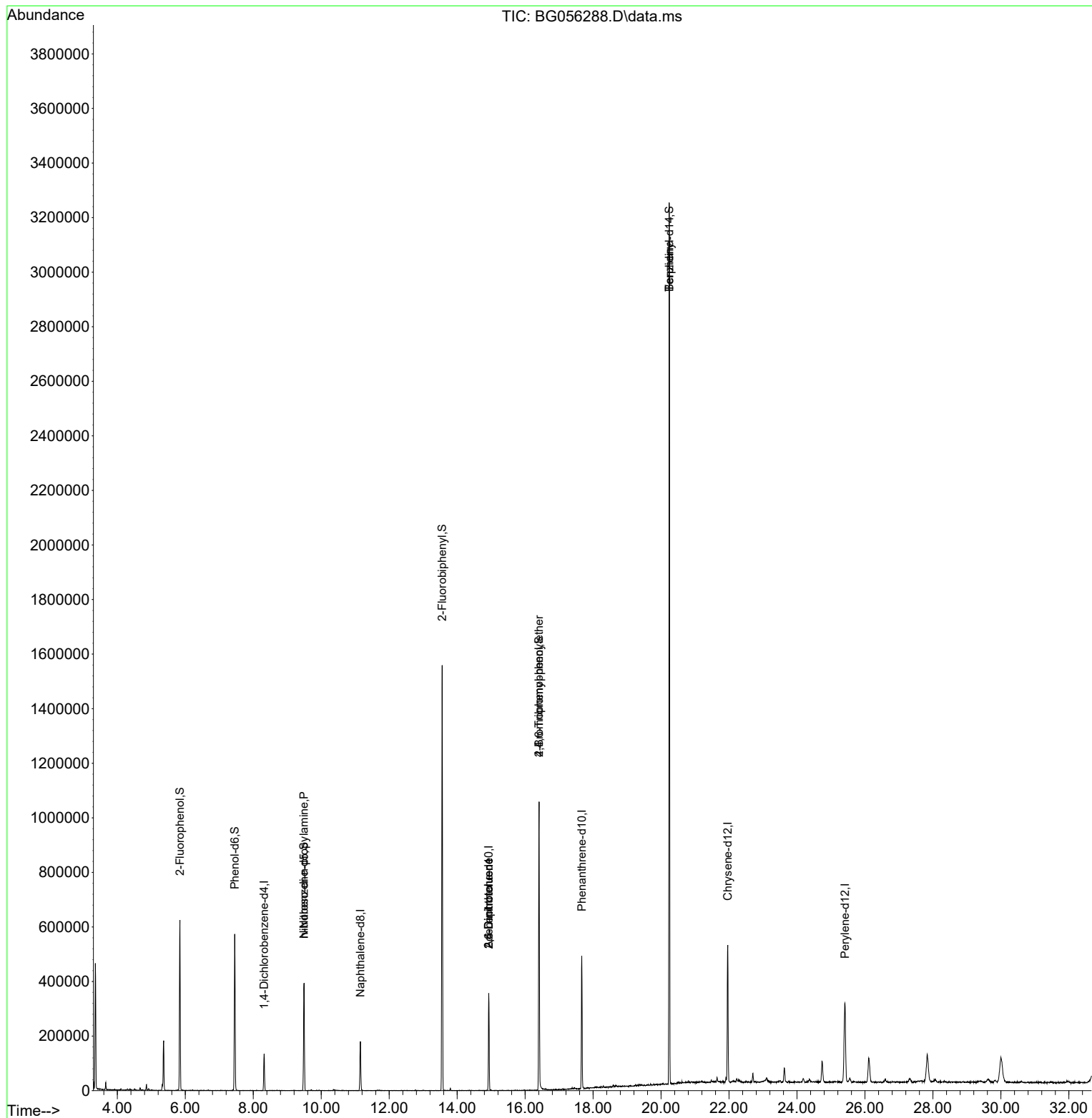
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.318  | 152  | 43115    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 11.150 | 136  | 167519   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.928 | 164  | 135276   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.665 | 188  | 338050   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.960 | 240  | 341501   | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12              | 25.409 | 264  | 368579   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.838  | 112  | 338983   | 140.381 | ng    | 0.01     |
| 7) Phenol-d6                  | 7.454  | 99   | 440464   | 118.776 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.493  | 82   | 283229   | 86.483  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.408 | 330  | 226763   | 132.358 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.559 | 172  | 899222   | 91.793  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.239 | 244  | 1753230  | 91.951  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 9.493  | 70   | 34972    | 15.509  | ng    | # 73     |
| 51) 2,6-Dinitrotoluene        | 14.928 | 165  | 18289    | 7.860   | ng    | # 33     |
| 57) 2,4-Dinitrotoluene        | 14.928 | 165  | 18289    | 5.620   | ng    | # 30     |
| 67) 4-Bromophenyl-phenylether | 16.408 | 248  | 18880    | 4.386   | ng    | # 1      |
| 77) Benzidine                 | 20.239 | 184  | 24723    | 2.066   | ng    | # 87     |
| -----                         |        |      |          |         |       |          |

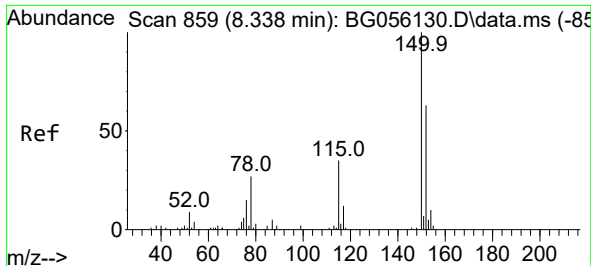
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG011323\  
Data File : BG056288.D  
Acq On : 13 Jan 2023 22:03  
Operator : CG/JU  
Sample : 01124-02MSD  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
MH-4

Quant Time: Jan 16 00:25:57 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

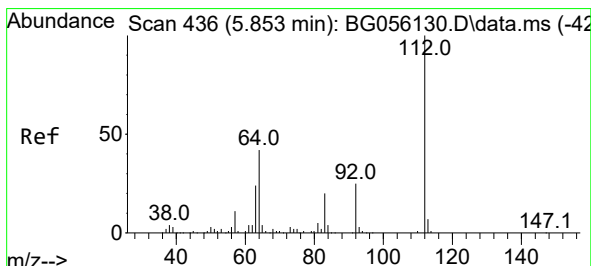
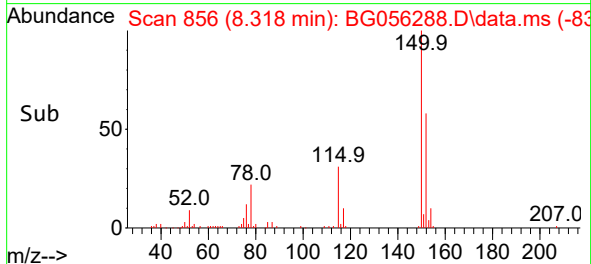
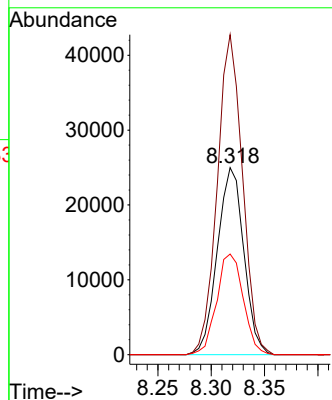
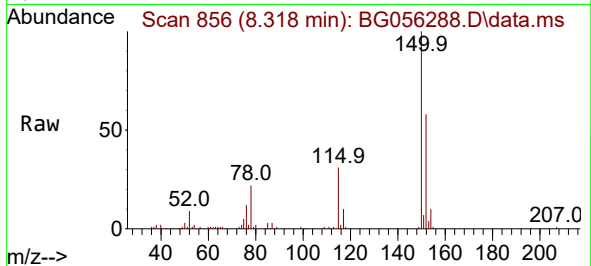




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.318 min Scan# 859  
 Delta R.T. 0.001 min  
 Lab File: BG056288.D  
 Acq: 13 Jan 2023 22:03

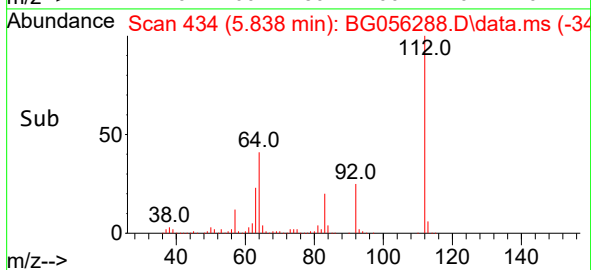
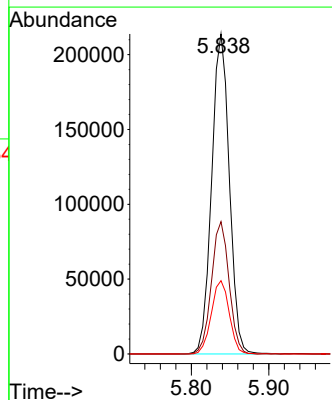
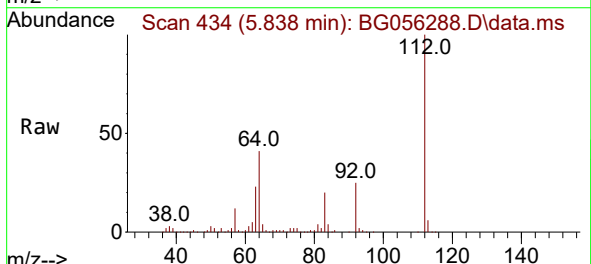
Instrument :  
 BNA\_G  
 ClientSampleId :  
 MH-4

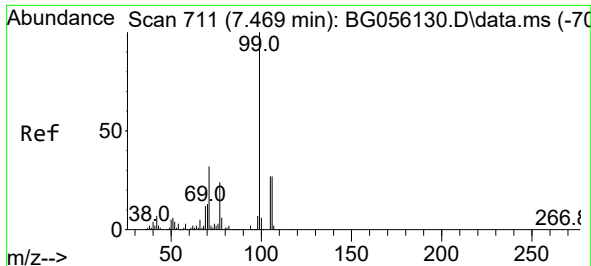
Tgt Ion:152 Resp: 43115  
 Ion Ratio Lower Upper  
 152 100  
 150 171.0 127.9 191.9  
 115 53.7 44.2 66.2



#5  
 2-Fluorophenol  
 Concen: 140.381 ng  
 RT: 5.838 min Scan# 434  
 Delta R.T. 0.013 min  
 Lab File: BG056288.D  
 Acq: 13 Jan 2023 22:03

Tgt Ion:112 Resp: 338983  
 Ion Ratio Lower Upper  
 112 100  
 64 41.3 33.3 49.9  
 63 22.9 19.0 28.4

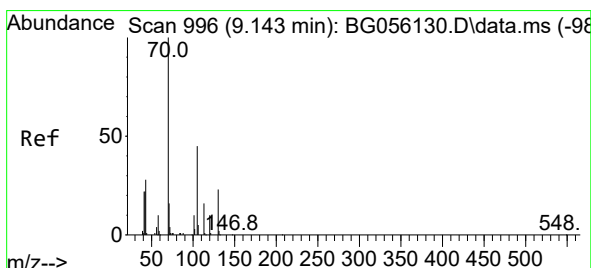
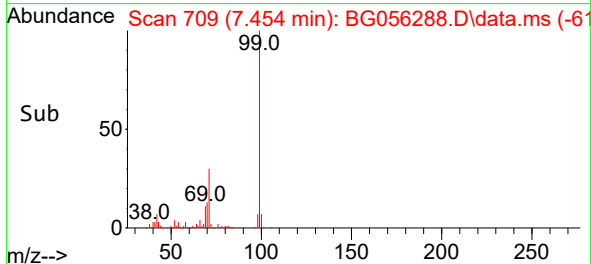
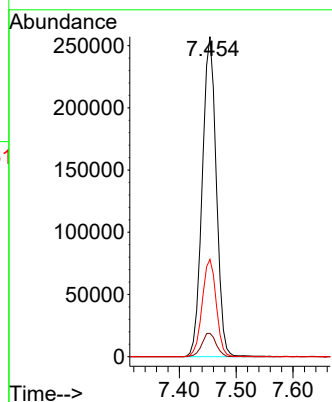
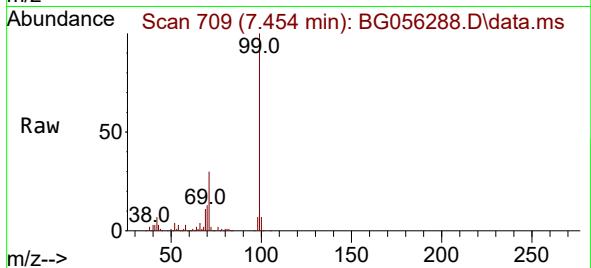




#7  
Phenol-d6  
Concen: 118.776 ng  
RT: 7.454 min Scan# 70  
Delta R.T. 0.007 min  
Lab File: BG056288.D  
Acq: 13 Jan 2023 22:03

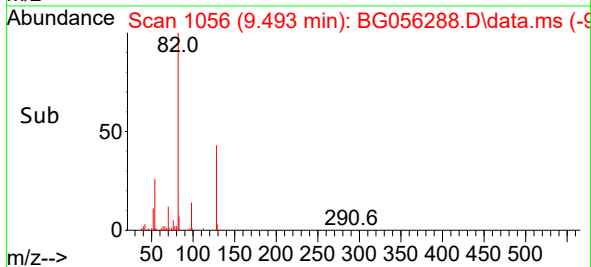
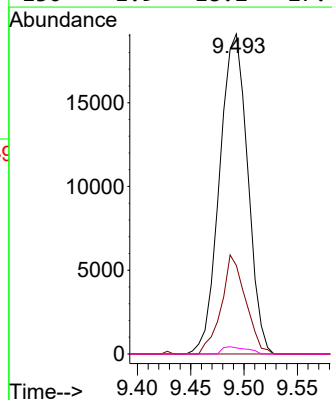
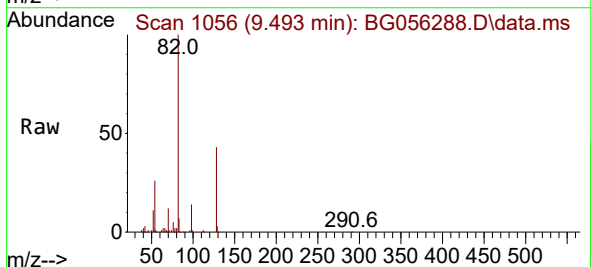
Instrument :  
BNA\_G  
ClientSampleId :  
MH-4

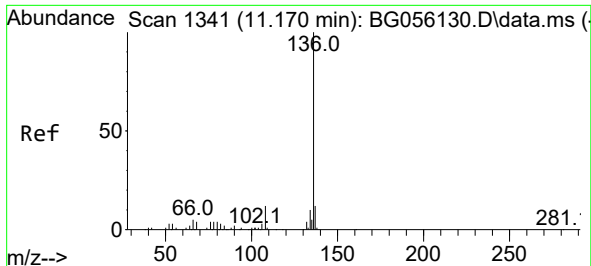
Tgt Ion: 99 Resp: 440464  
Ion Ratio Lower Upper  
99 100  
42 7.3 5.9 8.9  
71 30.4 25.4 38.2



#19  
n-Nitroso-di-n-propylamine  
Concen: 15.509 ng  
RT: 9.493 min Scan# 1056  
Delta R.T. 0.377 min  
Lab File: BG056288.D  
Acq: 13 Jan 2023 22:03

Tgt Ion: 70 Resp: 34972  
Ion Ratio Lower Upper  
70 100  
42 27.7 18.2 27.2#  
101 0.0 8.3 12.5#  
130 1.9 18.2 27.4#

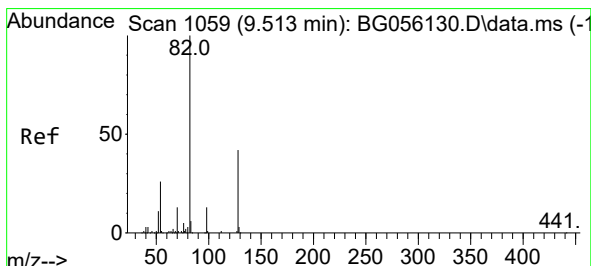
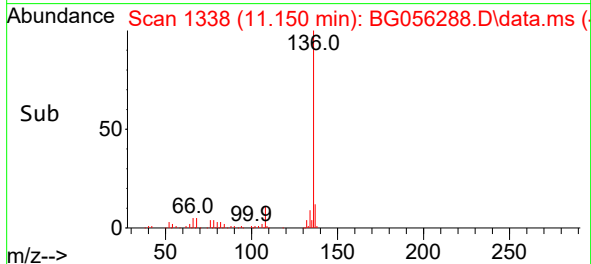
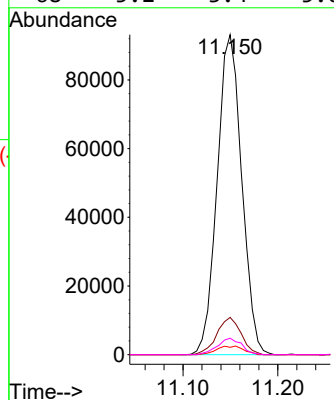
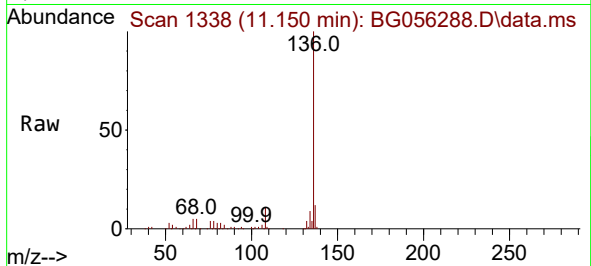




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.150 min Scan# 11  
Delta R.T. 0.001 min  
Lab File: BG056288.D  
Acq: 13 Jan 2023 22:03

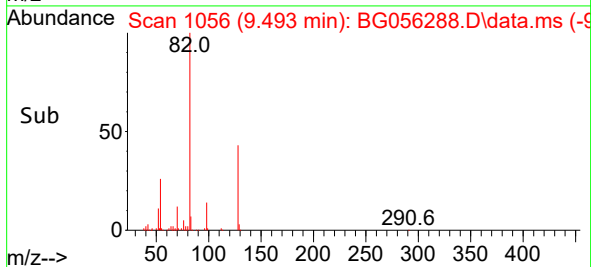
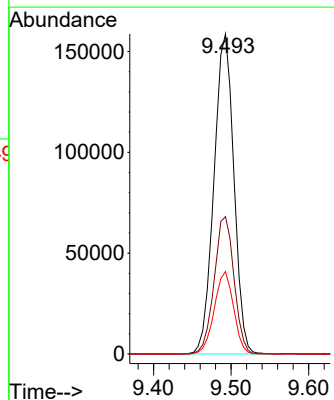
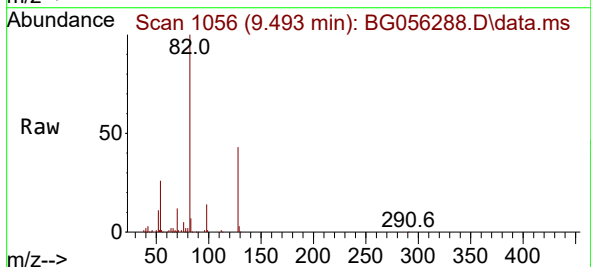
Instrument :  
BNA\_G  
ClientSampleId :  
MH-4

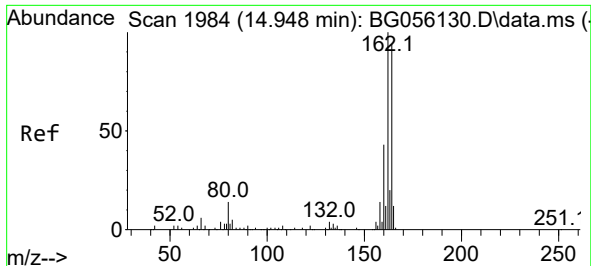
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 167519 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.7  | 9.4   | 14.0   |
| 54       | 2.3   | 2.2   | 3.2    |
| 68       | 5.2   | 3.4   | 5.0    |



#23  
Nitrobenzene-d5  
Concen: 86.483 ng  
RT: 9.493 min Scan# 1056  
Delta R.T. 0.001 min  
Lab File: BG056288.D  
Acq: 13 Jan 2023 22:03

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 283229 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 42.9  | 33.4  | 50.2   |
| 54       | 25.7  | 20.3  | 30.5   |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.928 min Scan# 1984

Delta R.T. 0.001 min

Lab File: BG056288.D

Acq: 13 Jan 2023 22:03

Instrument :

BNA\_G

ClientSampleId :

MH-4

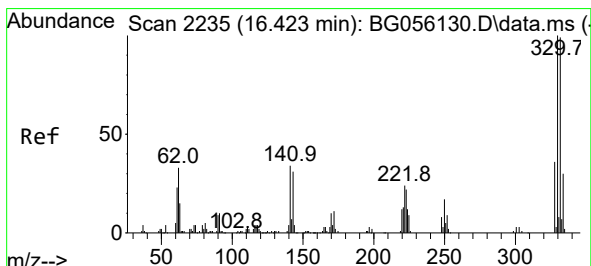
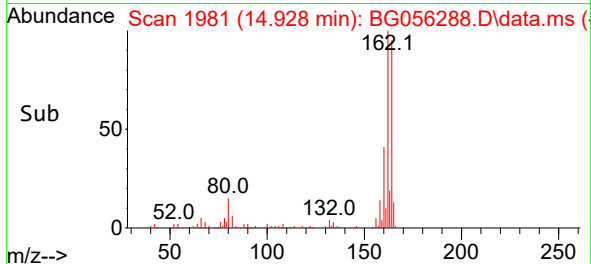
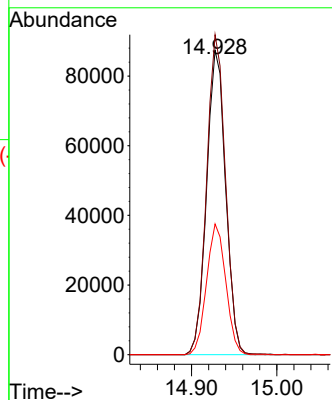
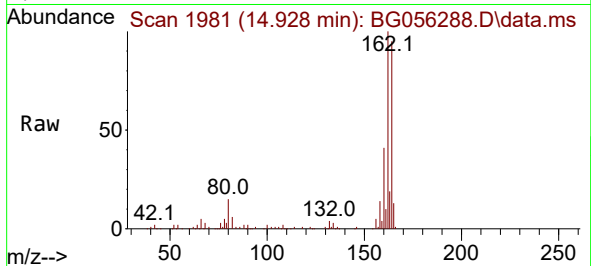
Tgt Ion:164 Resp: 135276

Ion Ratio Lower Upper

164 100

162 105.2 84.7 127.1

160 43.0 36.3 54.5



#42

2,4,6-Tribromophenol

Concen: 132.358 ng

RT: 16.408 min Scan# 2233

Delta R.T. 0.001 min

Lab File: BG056288.D

Acq: 13 Jan 2023 22:03

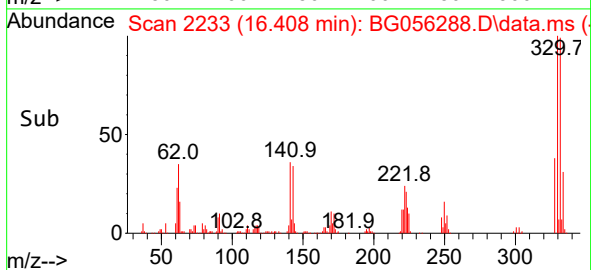
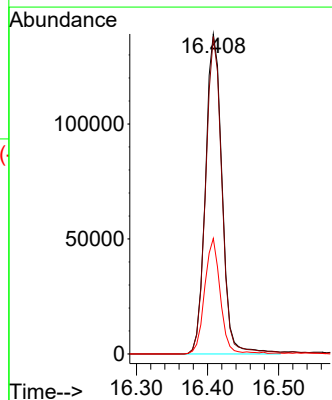
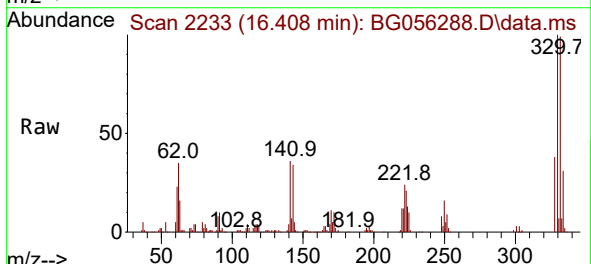
Tgt Ion:330 Resp: 226763

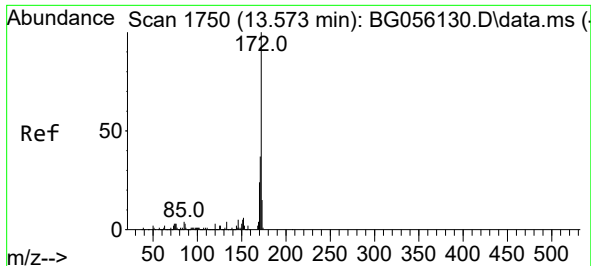
Ion Ratio Lower Upper

330 100

332 97.3 77.3 115.9

141 34.2 27.9 41.9

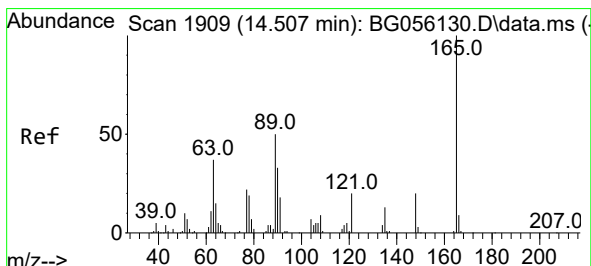
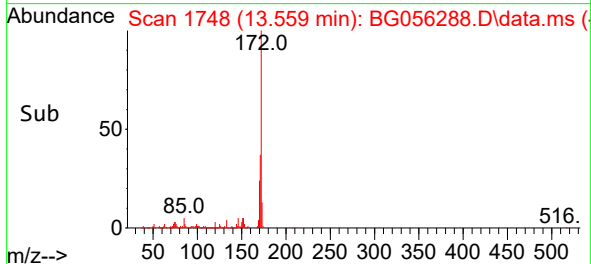
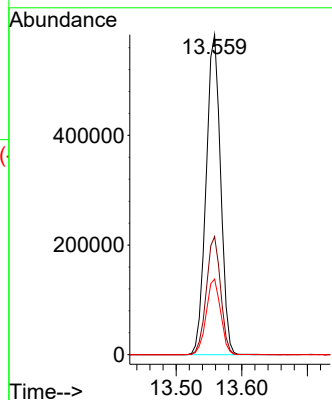
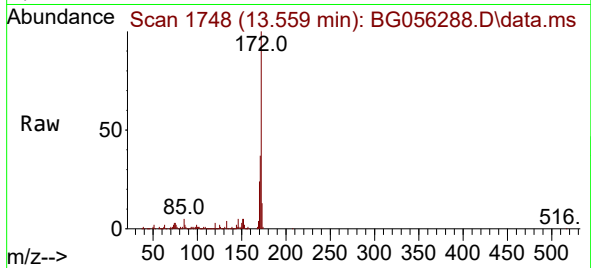




#45  
2-Fluorobiphenyl  
Concen: 91.793 ng  
RT: 13.559 min Scan# 1  
Delta R.T. 0.001 min  
Lab File: BG056288.D  
Acq: 13 Jan 2023 22:03

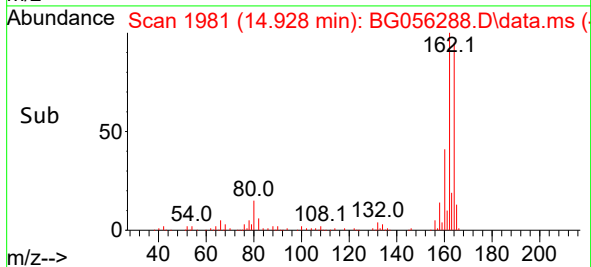
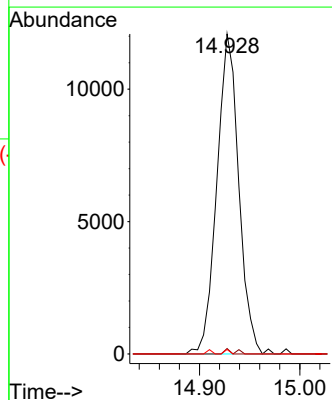
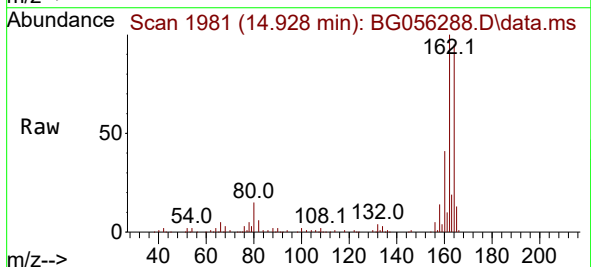
Instrument :  
BNA\_G  
ClientSampleId :  
MH-4

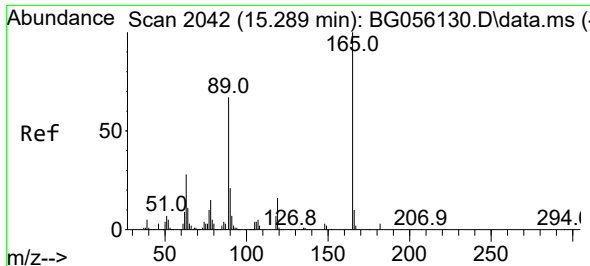
Tgt Ion:172 Resp: 899222  
Ion Ratio Lower Upper  
172 100  
171 36.9 29.6 44.4  
170 23.6 19.4 29.2



#51  
2,6-Dinitrotoluene  
Concen: 7.860 ng  
RT: 14.928 min Scan# 1981  
Delta R.T. 0.436 min  
Lab File: BG056288.D  
Acq: 13 Jan 2023 22:03

Tgt Ion:165 Resp: 18289  
Ion Ratio Lower Upper  
165 100  
63 1.7 32.2 48.2#  
89 1.4 39.8 59.8#

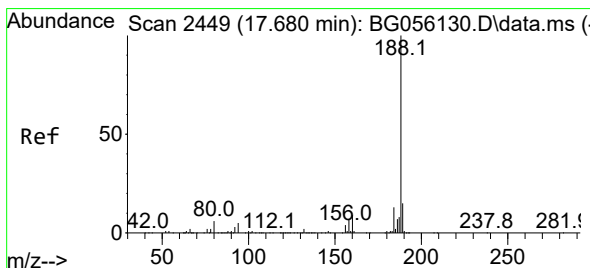
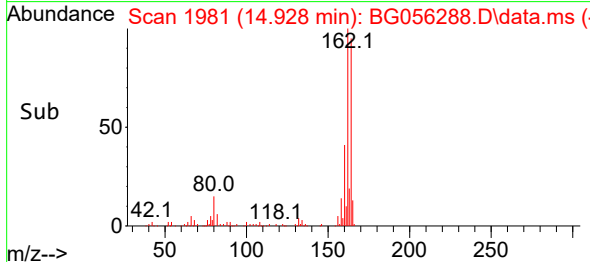
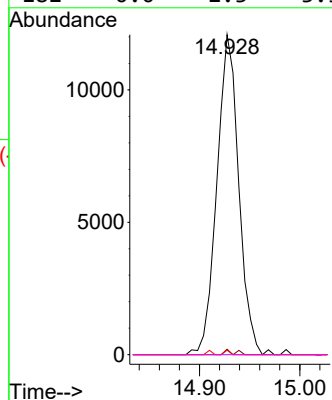
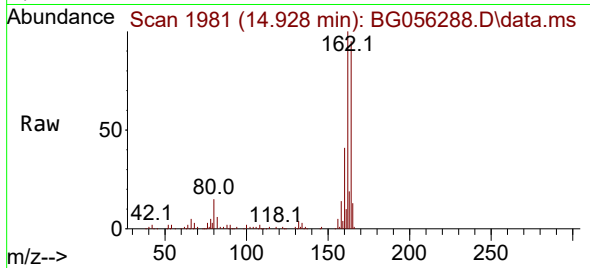




#57  
2,4-Dinitrotoluene  
Concen: 5.620 ng  
RT: 14.928 min Scan# 1981  
Delta R.T. -0.346 min  
Lab File: BG056288.D  
Acq: 13 Jan 2023 22:03

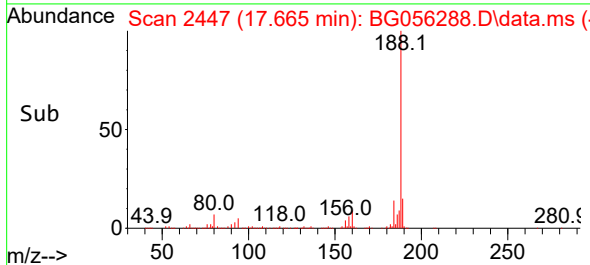
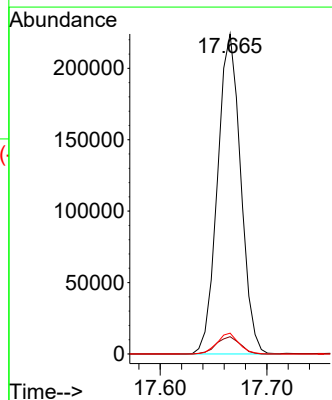
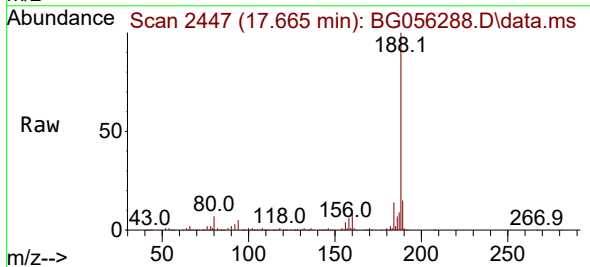
Instrument :  
BNA\_G  
ClientSampleId :  
MH-4

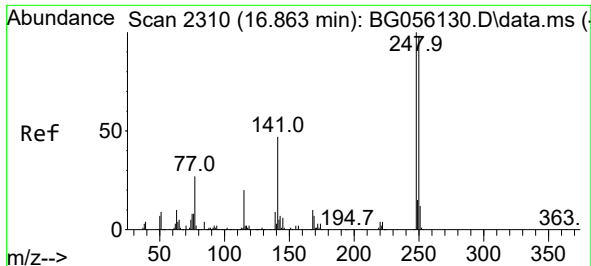
Tgt Ion:165 Resp: 18289  
Ion Ratio Lower Upper  
165 100  
63 1.7 22.6 34.0#  
89 1.4 53.2 79.8#  
182 0.0 2.3 3.5#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.665 min Scan# 2447  
Delta R.T. 0.001 min  
Lab File: BG056288.D  
Acq: 13 Jan 2023 22:03

Tgt Ion:188 Resp: 338050  
Ion Ratio Lower Upper  
188 100  
94 5.4 4.2 6.2  
80 6.5 5.0 7.4

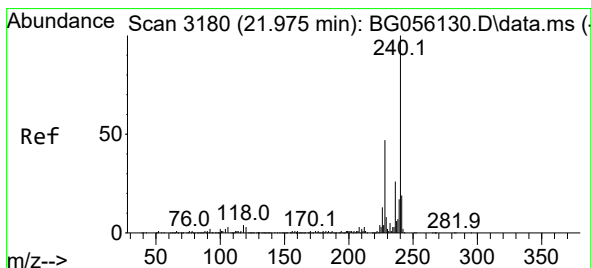
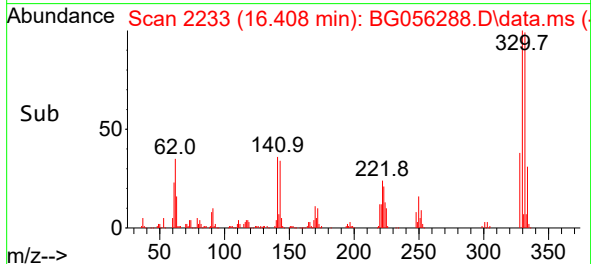
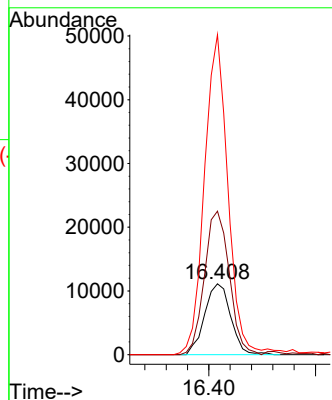
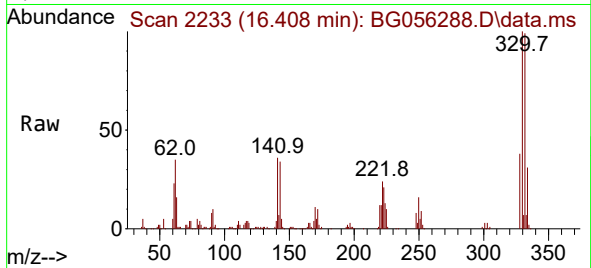




#67  
4-Bromophenyl-phenylether  
Concen: 4.386 ng  
RT: 16.408 min Scan# 21  
Delta R.T. -0.440 min  
Lab File: BG056288.D  
Acq: 13 Jan 2023 22:03

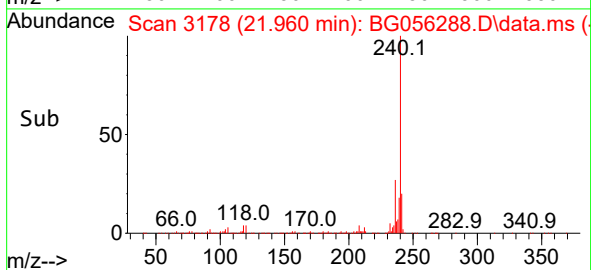
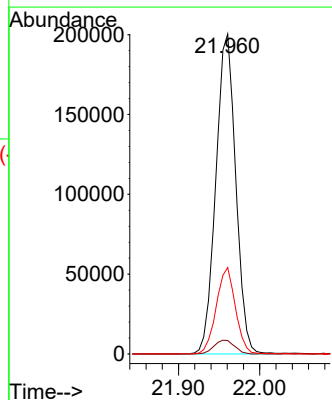
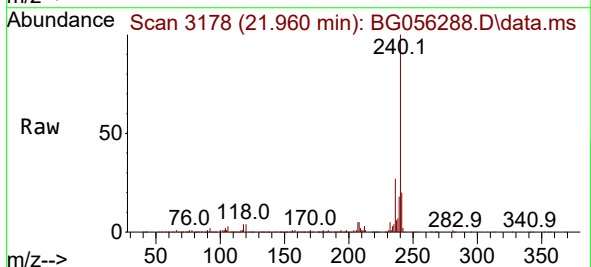
Instrument :  
BNA\_G  
ClientSampleId :  
MH-4

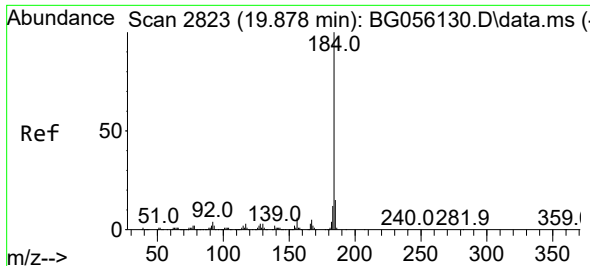
Tgt Ion:248 Resp: 18880  
Ion Ratio Lower Upper  
248 100  
250 202.2 78.2 117.4#  
141 451.1 37.6 56.4#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.960 min Scan# 3178  
Delta R.T. 0.001 min  
Lab File: BG056288.D  
Acq: 13 Jan 2023 22:03

Tgt Ion:240 Resp: 341501  
Ion Ratio Lower Upper  
240 100  
120 4.2 2.6 4.0#  
236 27.0 20.8 31.2

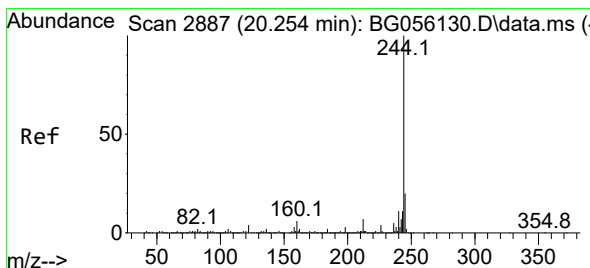
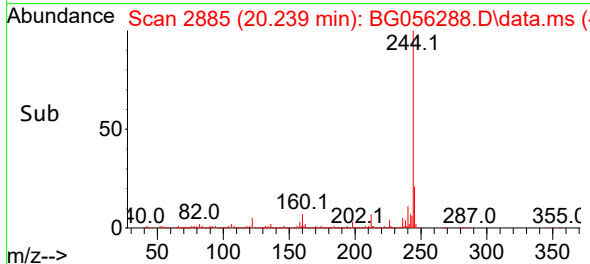
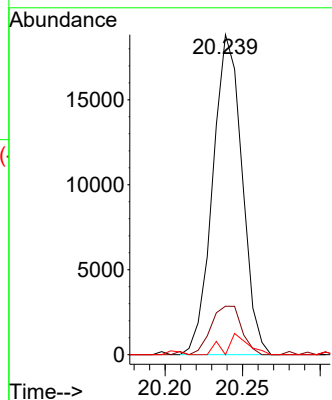
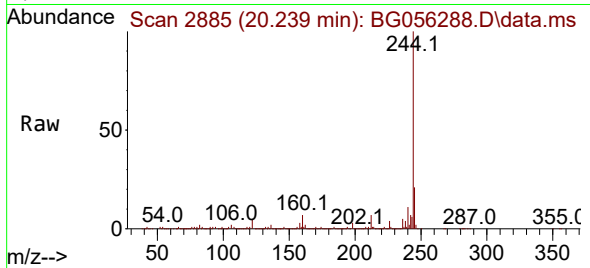




#77  
Benzidine  
Concen: 2.066 ng  
RT: 20.239 min Scan# 2885  
Delta R.T. 0.377 min  
Lab File: BG056288.D  
Acq: 13 Jan 2023 22:03

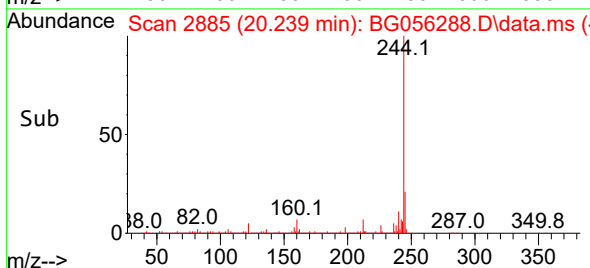
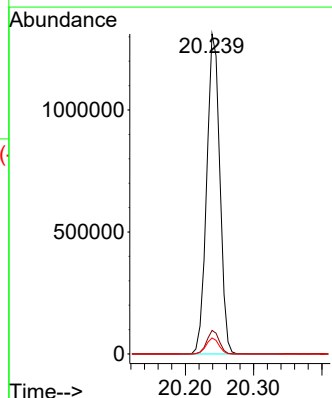
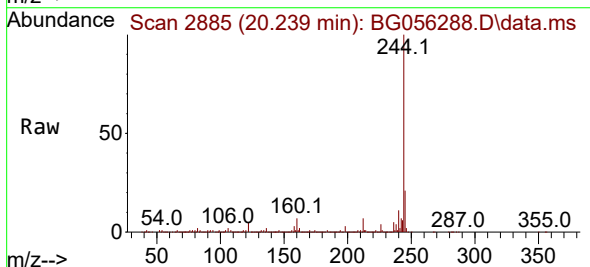
Instrument :  
BNA\_G  
ClientSampleId :  
MH-4

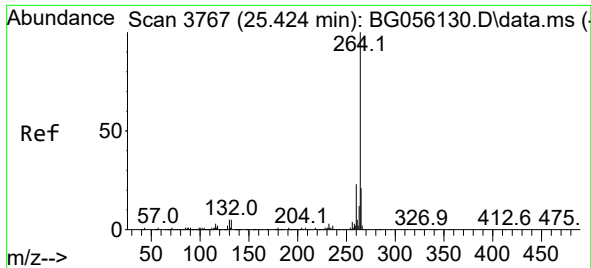
Tgt Ion:184 Resp: 24723  
Ion Ratio Lower Upper  
184 100  
185 15.1 12.2 18.2  
183 0.0 9.4 14.0#



#79  
Terphenyl-d14  
Concen: 91.951 ng  
RT: 20.239 min Scan# 2885  
Delta R.T. 0.001 min  
Lab File: BG056288.D  
Acq: 13 Jan 2023 22:03

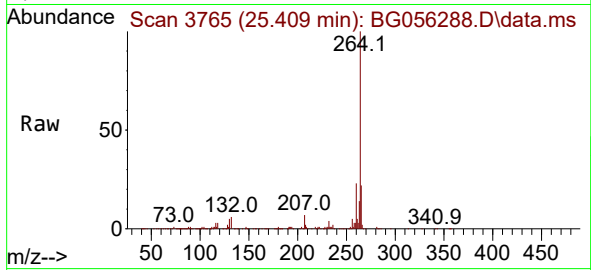
Tgt Ion:244 Resp: 1753230  
Ion Ratio Lower Upper  
244 100  
212 7.3 5.7 8.5  
122 5.0 3.5 5.3





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 25.409 min Scan# 31  
 Delta R.T. 0.007 min  
 Lab File: BG056288.D  
 Acq: 13 Jan 2023 22:03

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MH-4



Tgt Ion:264 Resp: 368579  
 Ion Ratio Lower Upper  
 264 100  
 260 22.6 18.6 28.0  
 265 21.7 16.7 25.1

