

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG011923\  
 Data File : BG056356.D  
 Acq On : 19 Jan 2023 21:10  
 Operator : CG/JU  
 Sample : 01220-04  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-G

Quant Time: Jan 20 01:37:28 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 19 00:31:30 2023  
 Response via : Initial Calibration

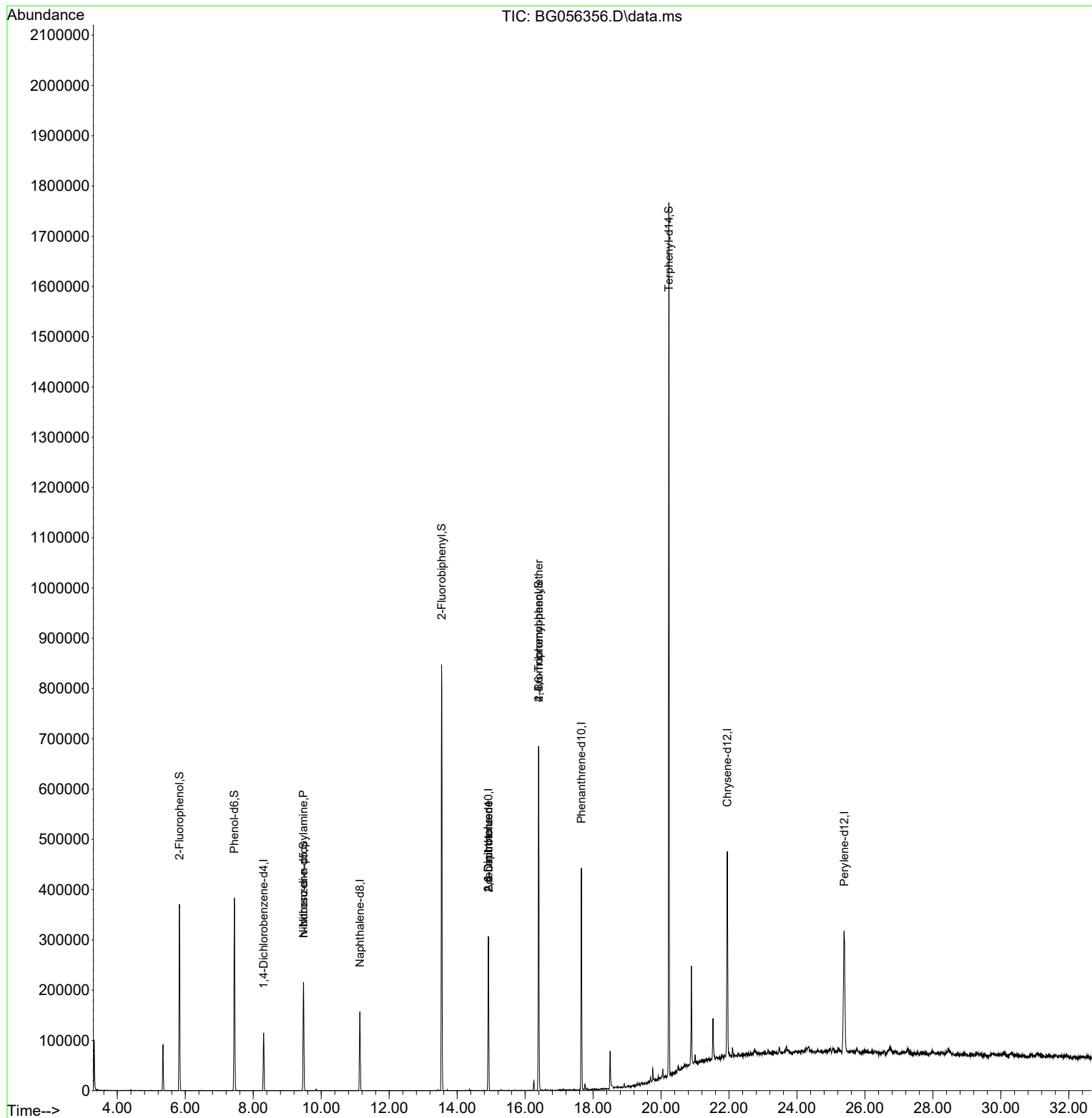
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.306  | 152  | 38996    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 11.138 | 136  | 147813   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.916 | 164  | 116662   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.654 | 188  | 300791   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 21.949 | 240  | 279688   | 20.000 | ng    | # 0.00   |
| 86) Perylene-d12              | 25.386 | 264  | 300963   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.827  | 112  | 211640   | 96.903 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.443  | 99   | 294261   | 87.733 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.475  | 82   | 155518   | 53.818 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 16.397 | 330  | 144952   | 98.106 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.541 | 172  | 491045   | 58.124 | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.228 | 244  | 951052   | 60.903 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
| 19) n-Nitroso-di-n-propyla... | 9.475  | 70   | 19012    | 9.322  | ng    | # 74     |
| 51) 2,6-Dinitrotoluene        | 14.916 | 165  | 15793    | 7.870  | ng    | # 31     |
| 57) 2,4-Dinitrotoluene        | 14.916 | 165  | 15793    | 5.627  | ng    | # 28     |
| 67) 4-Bromophenyl-phenylether | 16.397 | 248  | 12145    | 3.171  | ng    | # 1      |
| -----                         |        |      |          |        |       |          |

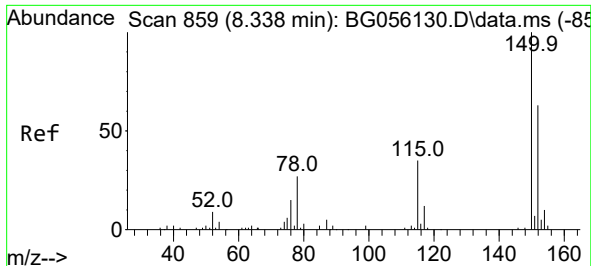
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jan 19 00:31:30 2023  
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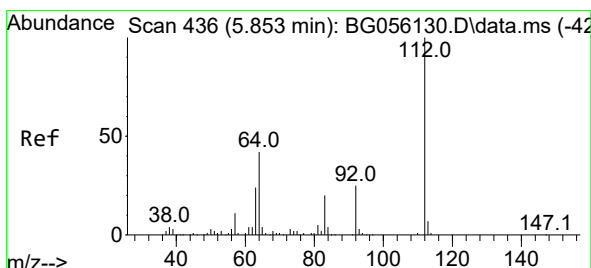
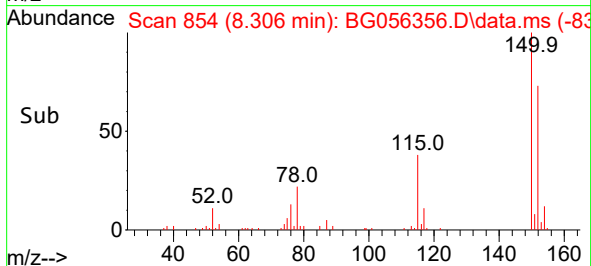
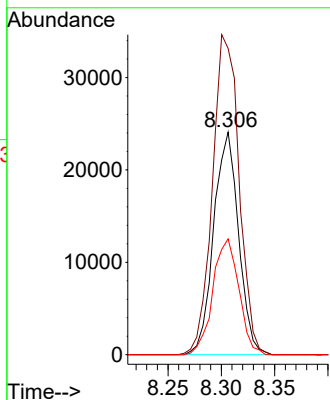
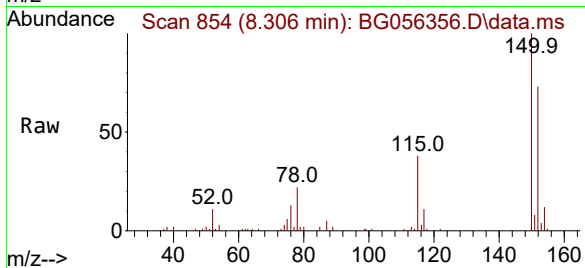




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.306 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: BG056356.D  
Acq: 19 Jan 2023 21:10

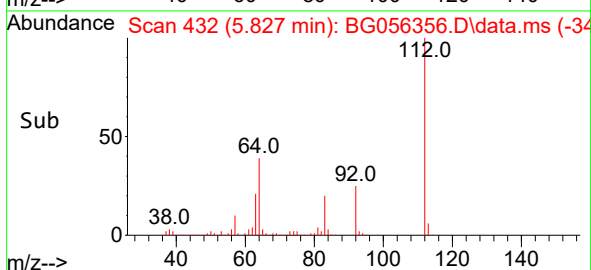
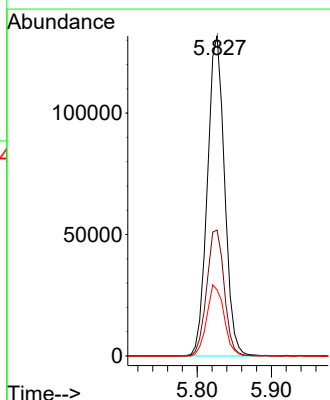
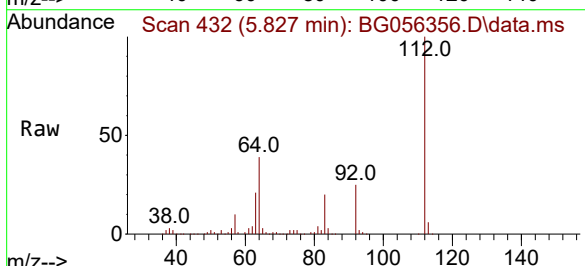
Instrument :  
BNA\_G  
ClientSampleId :  
TP-G

Tgt Ion:152 Resp: 38996  
Ion Ratio Lower Upper  
152 100  
150 137.6 127.9 191.9  
115 52.1 44.2 66.2



#5  
2-Fluorophenol  
Concen: 96.903 ng  
RT: 5.827 min Scan# 432  
Delta R.T. 0.000 min  
Lab File: BG056356.D  
Acq: 19 Jan 2023 21:10

Tgt Ion:112 Resp: 211640  
Ion Ratio Lower Upper  
112 100  
64 39.3 33.3 49.9  
63 20.7 19.0 28.4

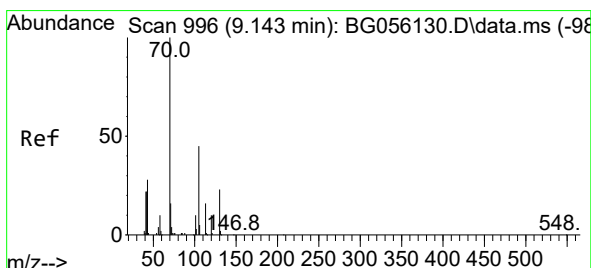
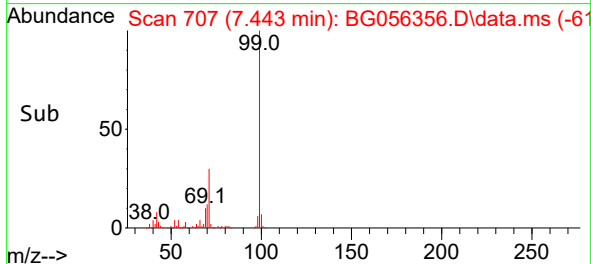
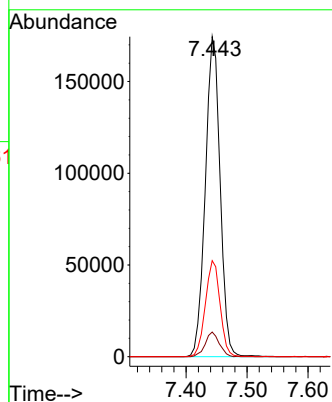
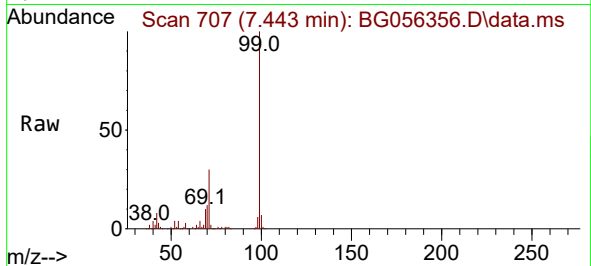




#7  
Phenol-d6  
Concen: 87.733 ng  
RT: 7.443 min Scan# 711  
Delta R.T. -0.005 min  
Lab File: BG056356.D  
Acq: 19 Jan 2023 21:10

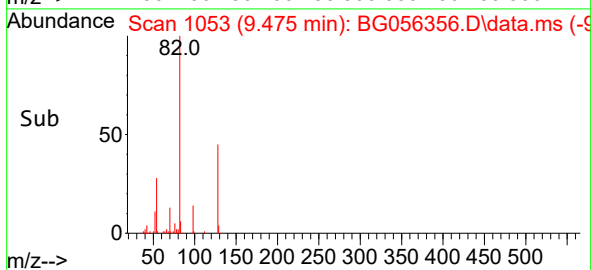
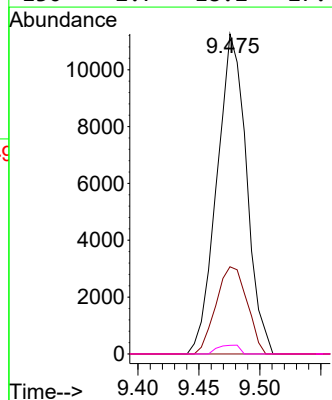
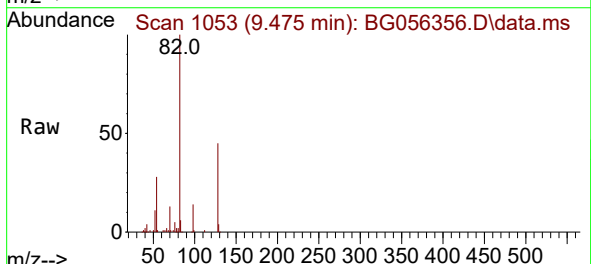
Instrument :  
BNA\_G  
ClientSampleId :  
TP-G

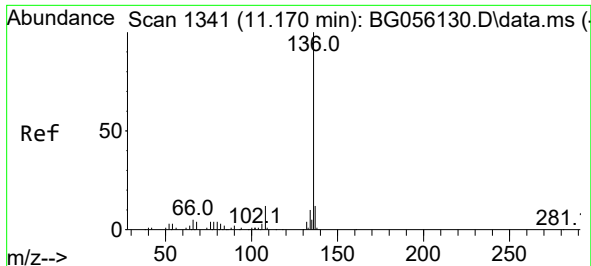
Tgt Ion: 99 Resp: 294261  
Ion Ratio Lower Upper  
99 100  
42 7.7 5.9 8.9  
71 30.0 25.4 38.2



#19  
n-Nitroso-di-n-propylamine  
Concen: 9.322 ng  
RT: 9.475 min Scan# 1053  
Delta R.T. 0.365 min  
Lab File: BG056356.D  
Acq: 19 Jan 2023 21:10

Tgt Ion: 70 Resp: 19012  
Ion Ratio Lower Upper  
70 100  
42 27.3 18.2 27.2#  
101 0.0 8.3 12.5#  
130 2.7 18.2 27.4#

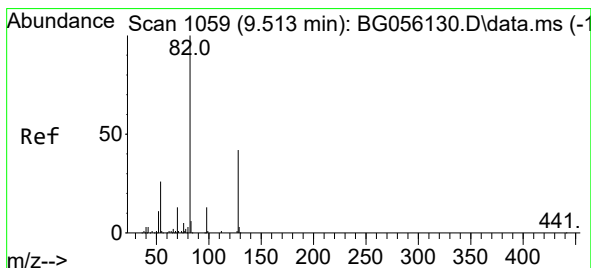
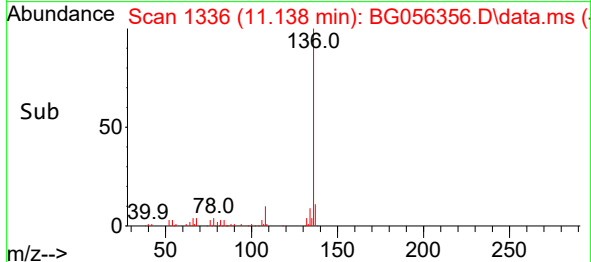
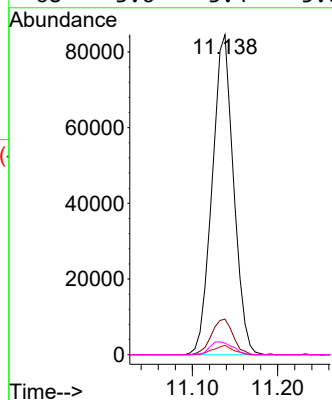
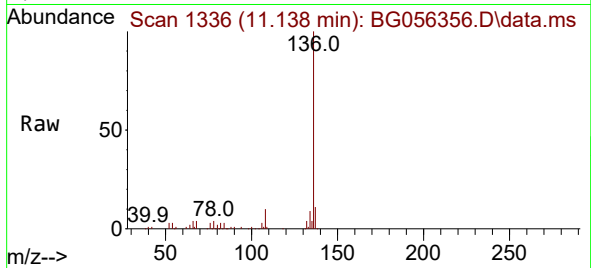




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.138 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BG056356.D  
Acq: 19 Jan 2023 21:10

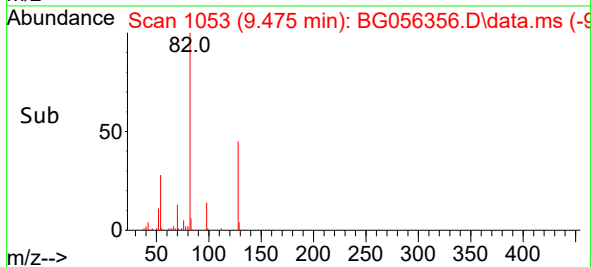
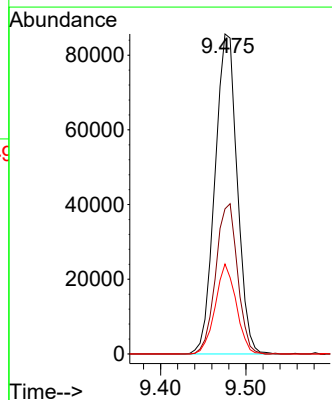
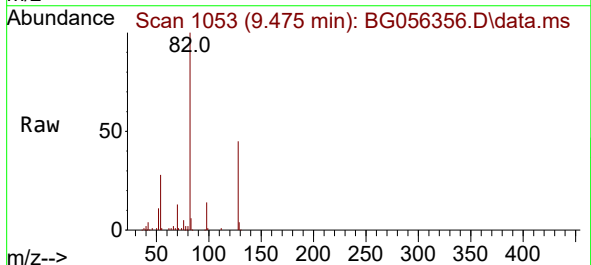
Instrument :  
BNA\_G  
ClientSampleId :  
TP-G

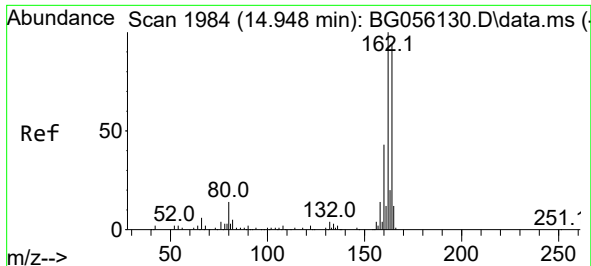
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 147813 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.1  | 9.4   | 14.0   |
| 54       | 2.9   | 2.2   | 3.2    |
| 68       | 3.6   | 3.4   | 5.0    |



#23  
Nitrobenzene-d5  
Concen: 53.818 ng  
RT: 9.475 min Scan# 1053  
Delta R.T. -0.011 min  
Lab File: BG056356.D  
Acq: 19 Jan 2023 21:10

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 155518 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 45.4  | 33.4  | 50.2   |
| 54       | 28.1  | 20.3  | 30.5   |

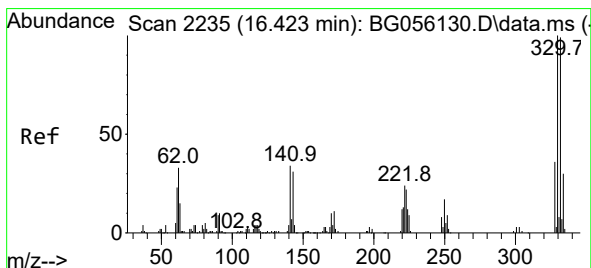
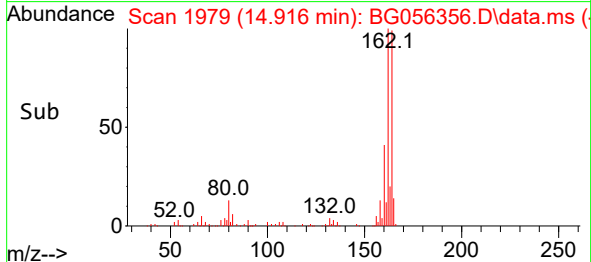
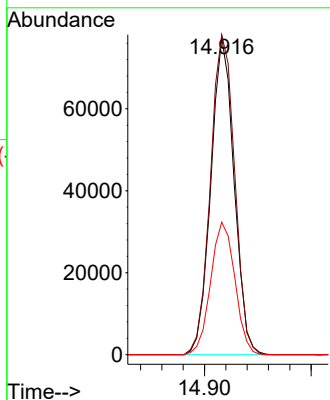
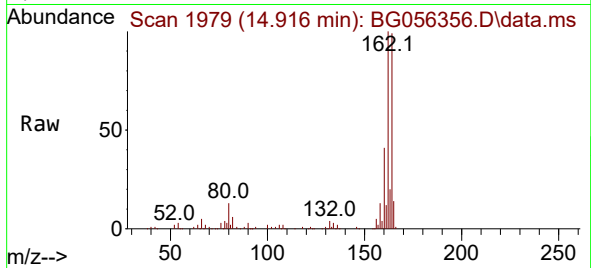




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.916 min Scan# 1984  
Delta R.T. -0.006 min  
Lab File: BG056356.D  
Acq: 19 Jan 2023 21:10

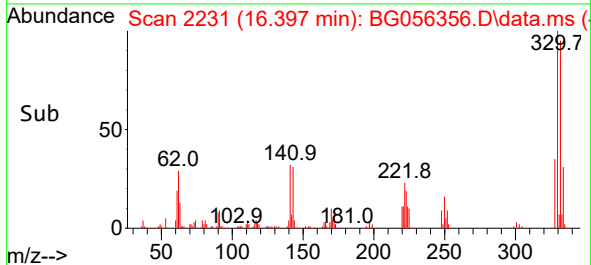
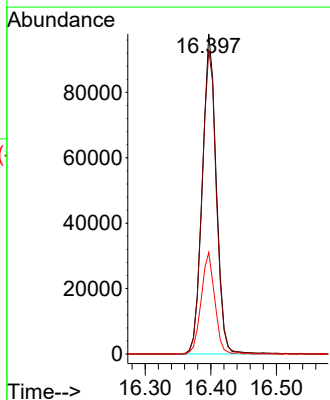
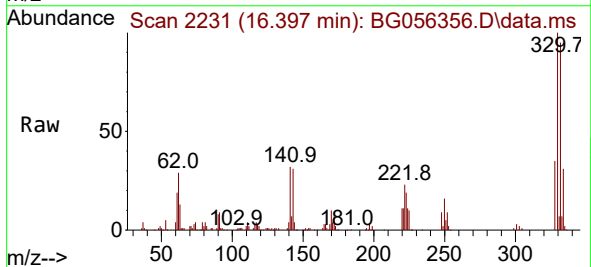
Instrument :  
BNA\_G  
ClientSampleId :  
TP-G

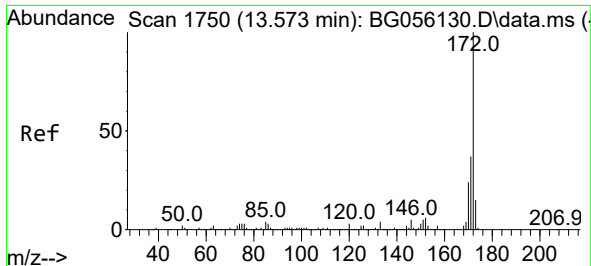
Tgt Ion:164 Resp: 116662  
Ion Ratio Lower Upper  
164 100  
162 100.9 84.7 127.1  
160 41.8 36.3 54.5



#42  
2,4,6-Tribromophenol  
Concen: 98.106 ng  
RT: 16.397 min Scan# 2231  
Delta R.T. -0.006 min  
Lab File: BG056356.D  
Acq: 19 Jan 2023 21:10

Tgt Ion:330 Resp: 144952  
Ion Ratio Lower Upper  
330 100  
332 97.2 77.3 115.9  
141 30.8 27.9 41.9

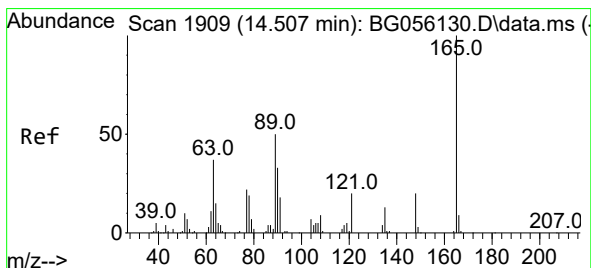
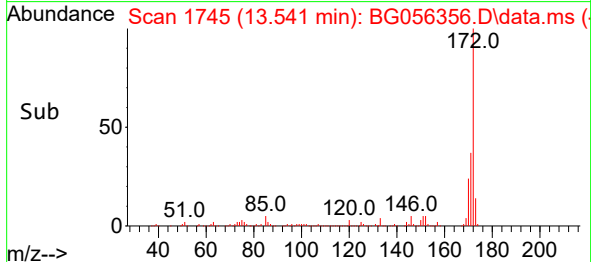
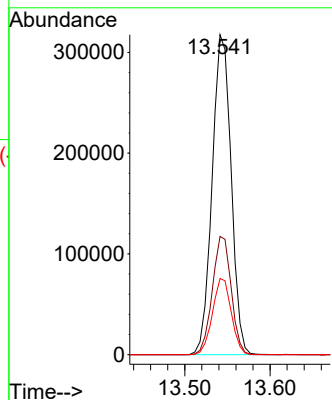
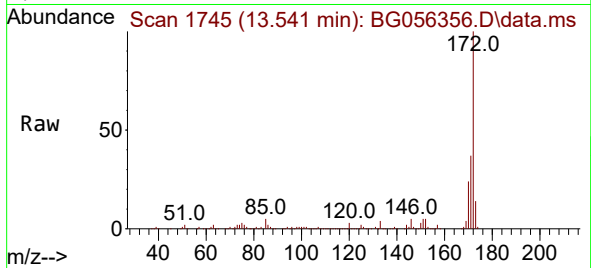




#45  
2-Fluorobiphenyl  
Concen: 58.124 ng  
RT: 13.541 min Scan# 1  
Delta R.T. -0.006 min  
Lab File: BG056356.D  
Acq: 19 Jan 2023 21:10

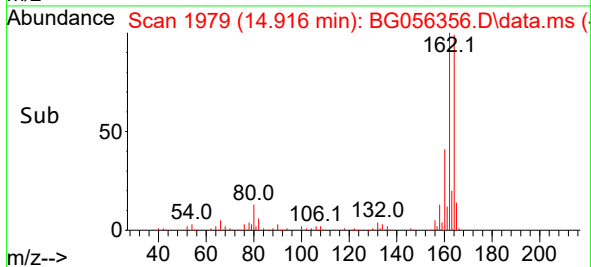
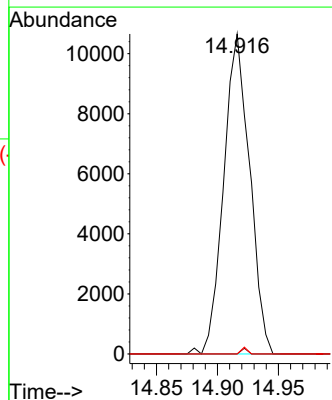
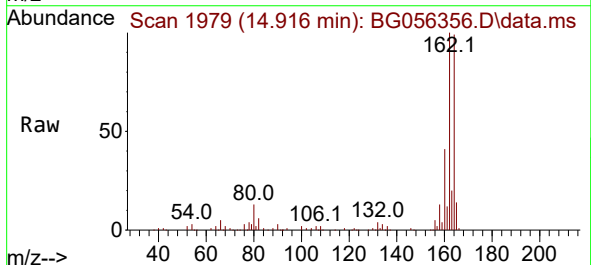
Instrument :  
BNA\_G  
ClientSampleId :  
TP-G

Tgt Ion:172 Resp: 491045  
Ion Ratio Lower Upper  
172 100  
171 37.0 29.6 44.4  
170 23.8 19.4 29.2



#51  
2,6-Dinitrotoluene  
Concen: 7.870 ng  
RT: 14.916 min Scan# 1979  
Delta R.T. 0.429 min  
Lab File: BG056356.D  
Acq: 19 Jan 2023 21:10

Tgt Ion:165 Resp: 15793  
Ion Ratio Lower Upper  
165 100  
63 0.0 32.2 48.2#  
89 0.0 39.8 59.8#





#57

2,4-Dinitrotoluene

Concen: 5.627 ng

RT: 14.916 min Scan# 14

Delta R.T. -0.358 min

Lab File: BG056356.D

Acq: 19 Jan 2023 21:10

Instrument :

BNA\_G

ClientSampleId :

TP-G

Tgt Ion:165 Resp: 15793

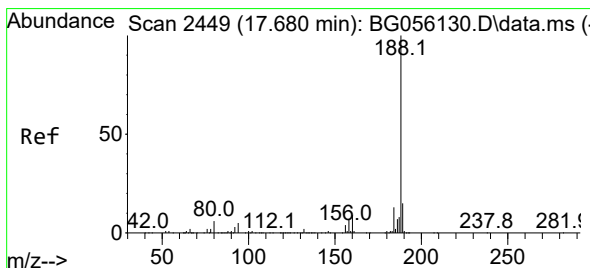
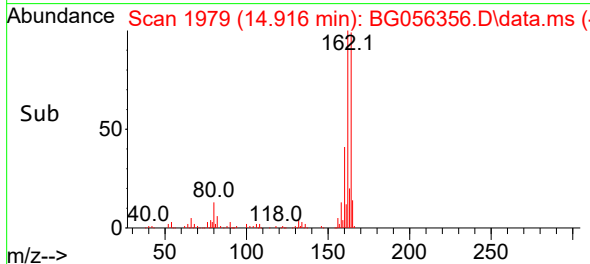
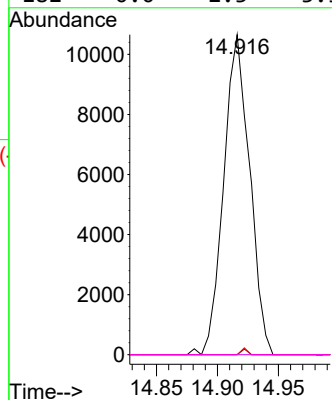
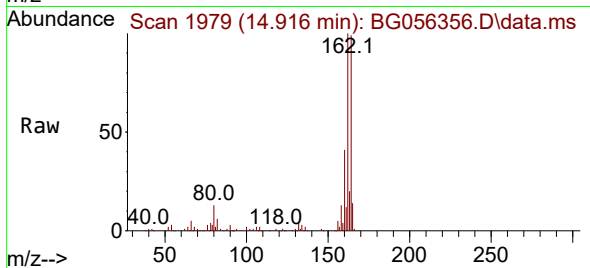
Ion Ratio Lower Upper

165 100

63 0.0 22.6 34.0#

89 0.0 53.2 79.8#

182 0.0 2.3 3.5#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.654 min Scan# 2445

Delta R.T. -0.006 min

Lab File: BG056356.D

Acq: 19 Jan 2023 21:10

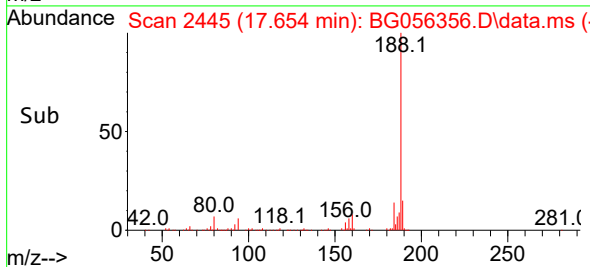
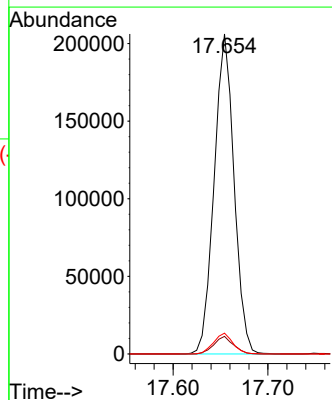
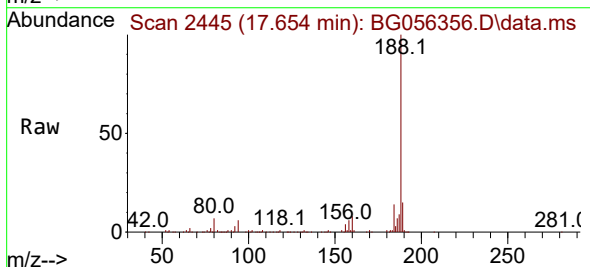
Tgt Ion:188 Resp: 300791

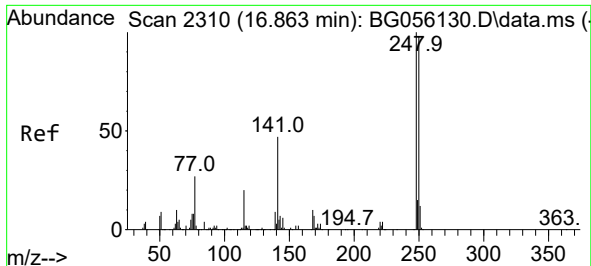
Ion Ratio Lower Upper

188 100

94 5.5 4.2 6.2

80 6.5 5.0 7.4

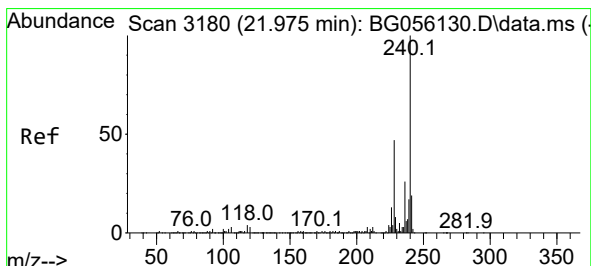
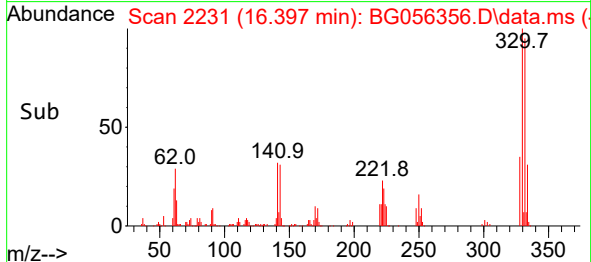
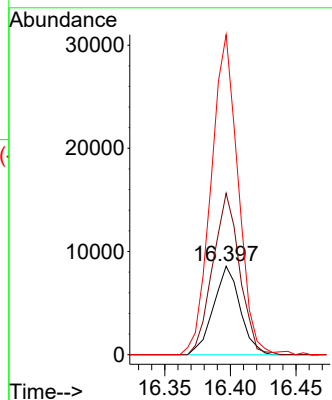
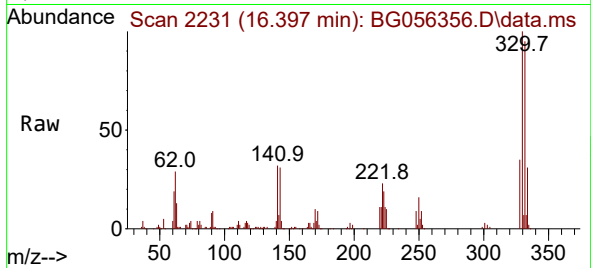




#67  
4-Bromophenyl-phenylether  
Concen: 3.171 ng  
RT: 16.397 min Scan# 21  
Delta R.T. -0.440 min  
Lab File: BG056356.D  
Acq: 19 Jan 2023 21:10

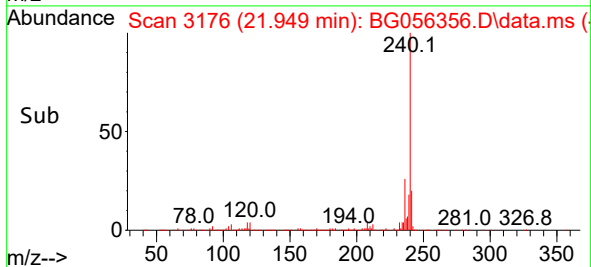
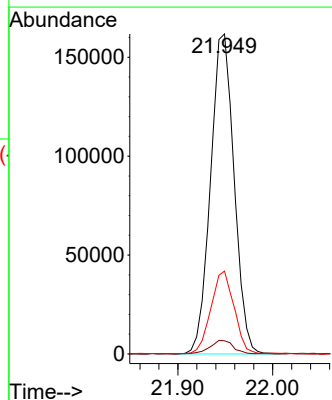
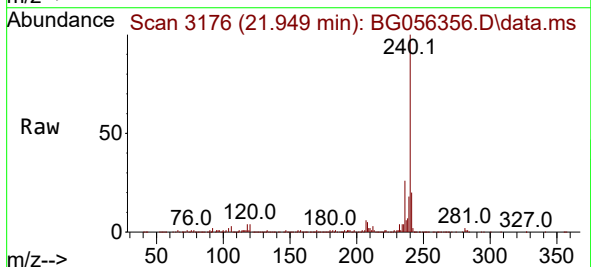
Instrument :  
BNA\_G  
ClientSampleId :  
TP-G

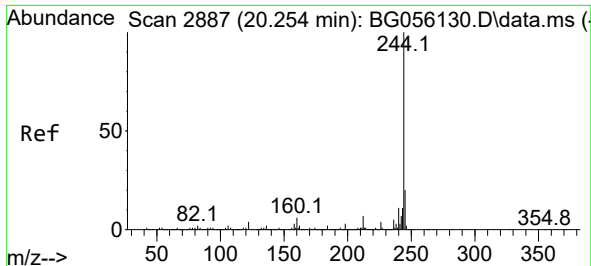
Tgt Ion:248 Resp: 12145  
Ion Ratio Lower Upper  
248 100  
250 182.7 78.2 117.4#  
141 361.9 37.6 56.4#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.949 min Scan# 3176  
Delta R.T. -0.006 min  
Lab File: BG056356.D  
Acq: 19 Jan 2023 21:10

Tgt Ion:240 Resp: 279688  
Ion Ratio Lower Upper  
240 100  
120 4.1 2.6 4.0#  
236 25.9 20.8 31.2

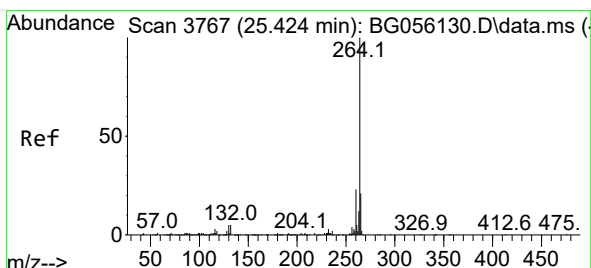
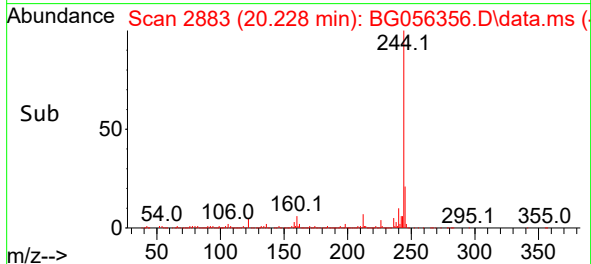
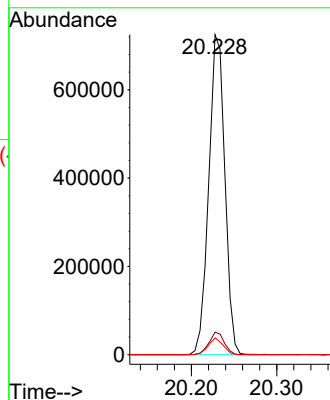
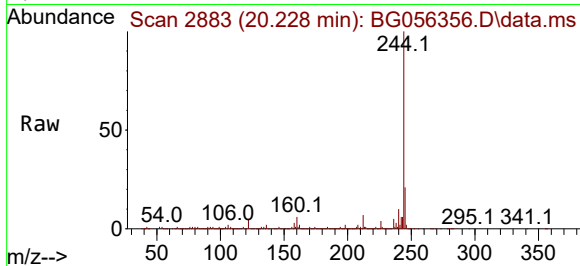




#79  
 Terphenyl-d14  
 Concen: 60.903 ng  
 RT: 20.228 min Scan# 21  
 Delta R.T. -0.006 min  
 Lab File: BG056356.D  
 Acq: 19 Jan 2023 21:10

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-G

Tgt Ion:244 Resp: 951052  
 Ion Ratio Lower Upper  
 244 100  
 212 7.0 5.7 8.5  
 122 5.3 3.5 5.3



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 25.386 min Scan# 3761  
 Delta R.T. -0.006 min  
 Lab File: BG056356.D  
 Acq: 19 Jan 2023 21:10

Tgt Ion:264 Resp: 300963  
 Ion Ratio Lower Upper  
 264 100  
 260 22.6 18.6 28.0  
 265 21.4 16.7 25.1

