

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG122922\  
 Data File : BG056157.D  
 Acq On : 29 Dec 2022 16:53  
 Operator : CG/JU  
 Sample : N6228-02  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-1

Quant Time: Dec 30 04:06:25 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG122722.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 28 05:20:14 2022  
 Response via : Initial Calibration

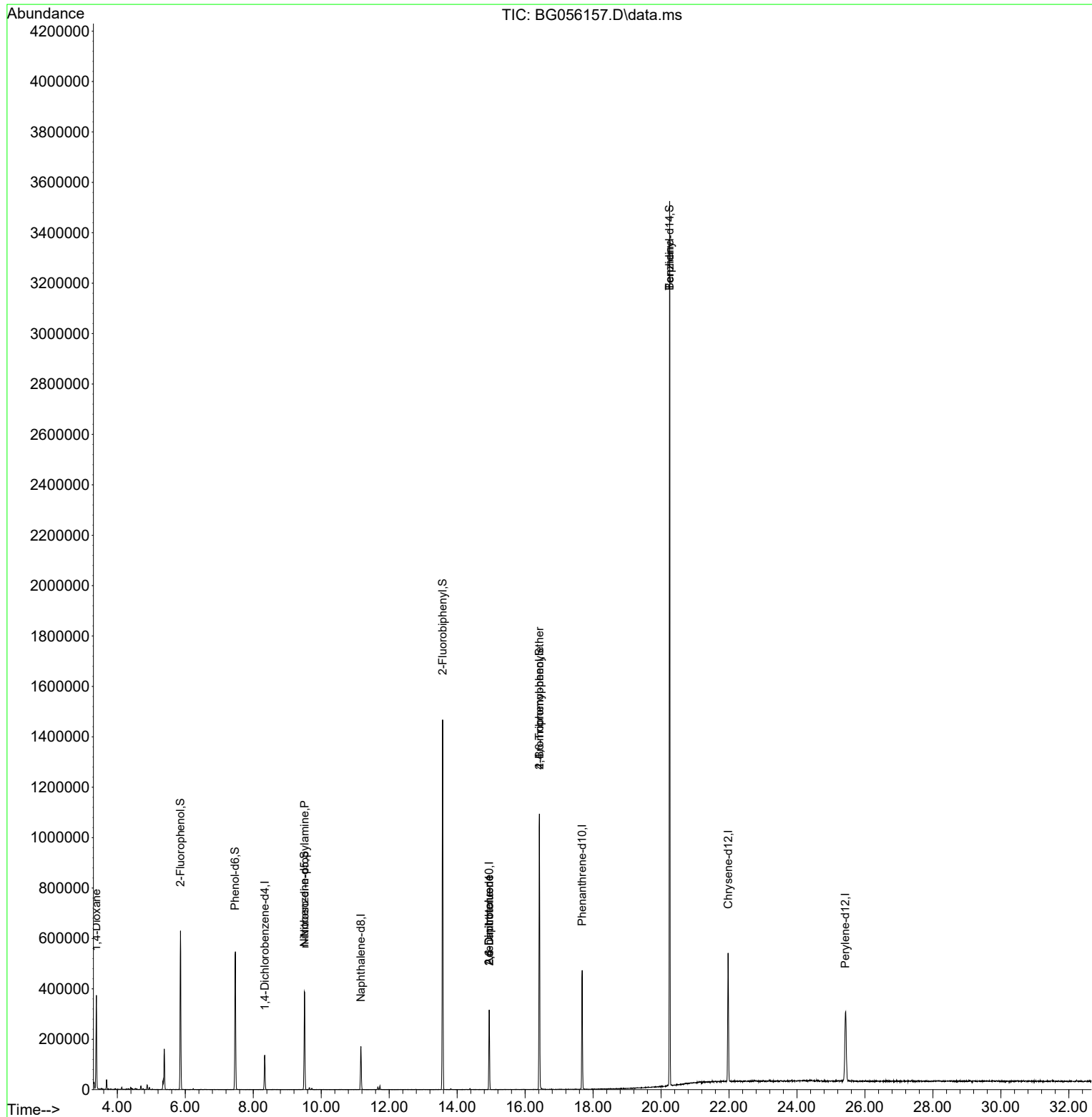
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.337  | 152  | 44768    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 11.169 | 136  | 151937   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.941 | 164  | 121888   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.679 | 188  | 332128   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.974 | 240  | 342917   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 25.423 | 264  | 362962   | 20.000  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.858  | 112  | 336100   | 134.048 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.468  | 99   | 425160   | 110.416 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.506  | 82   | 279561   | 94.118  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.422 | 330  | 224146   | 145.201 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.572 | 172  | 856769   | 97.065  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.253 | 244  | 1940821  | 101.369 | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.384  | 88   | 4763     | 4.159   | ng    | # 1      |
| 19) n-Nitroso-di-n-propyla... | 9.512  | 70   | 35067    | 14.977  | ng    | # 74     |
| 51) 2,6-Dinitrotoluene        | 14.941 | 165  | 16302    | 7.775   | ng    | # 33     |
| 57) 2,4-Dinitrotoluene        | 14.941 | 165  | 16302    | 5.560   | ng    | # 30     |
| 67) 4-Bromophenyl-phenylether | 16.422 | 248  | 18341    | 4.337   | ng    | # 1      |
| 77) Benzidine                 | 20.253 | 184  | 27135    | 2.258   | ng    | # 93     |
| -----                         |        |      |          |         |       |          |

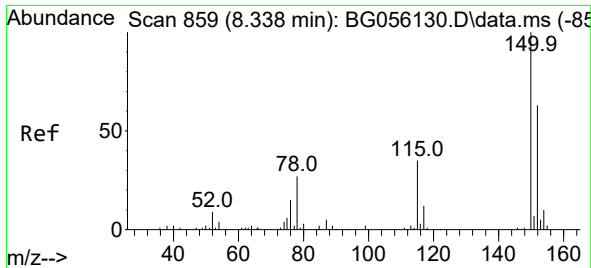
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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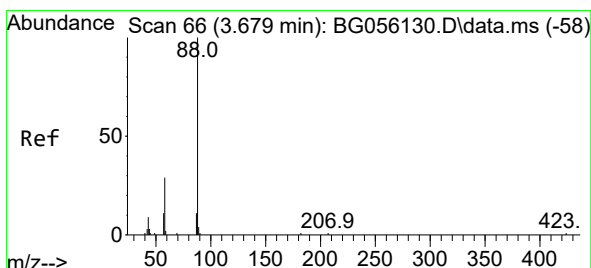
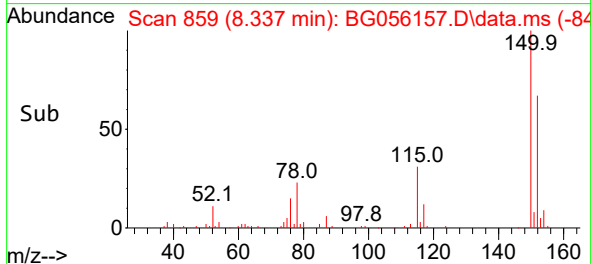
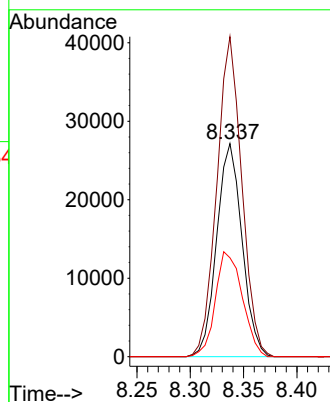
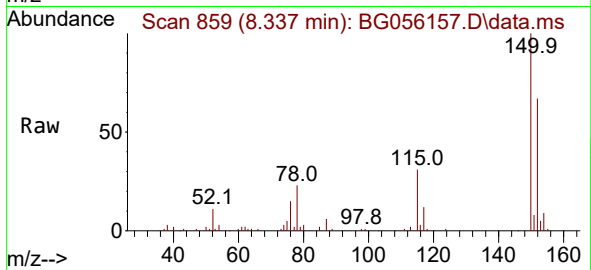




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.337 min Scan# 81  
Delta R.T. -0.001 min  
Lab File: BG056157.D  
Acq: 29 Dec 2022 16:53

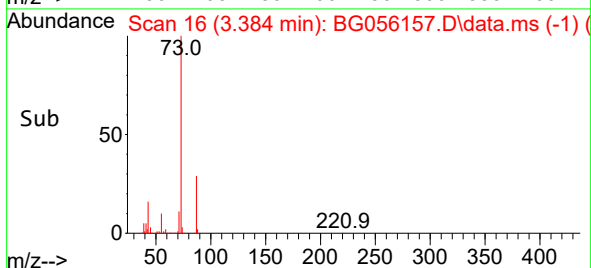
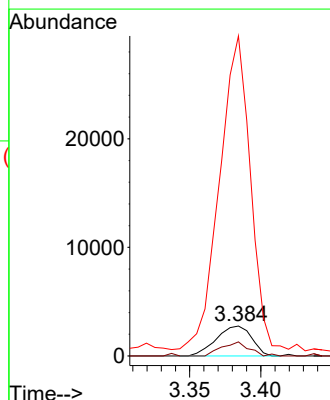
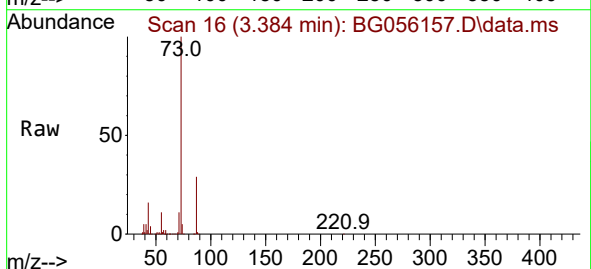
Instrument :  
BNA\_G  
ClientSampleId :  
TP-1

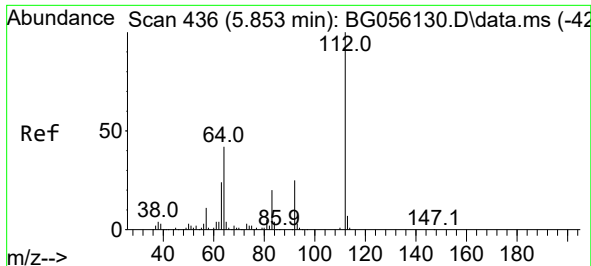
Tgt Ion:152 Resp: 44768  
Ion Ratio Lower Upper  
152 100  
150 150.1 127.9 191.9  
115 46.4 44.2 66.2



#2  
1,4-Dioxane  
Concen: 4.159 ng  
RT: 3.384 min Scan# 16  
Delta R.T. -0.295 min  
Lab File: BG056157.D  
Acq: 29 Dec 2022 16:53

Tgt Ion: 88 Resp: 4763  
Ion Ratio Lower Upper  
88 100  
58 36.8 21.4 32.0#  
43 952.2 7.1 10.7#

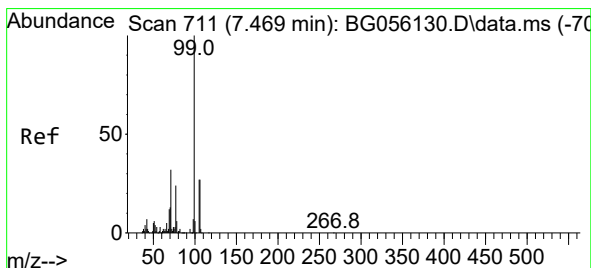
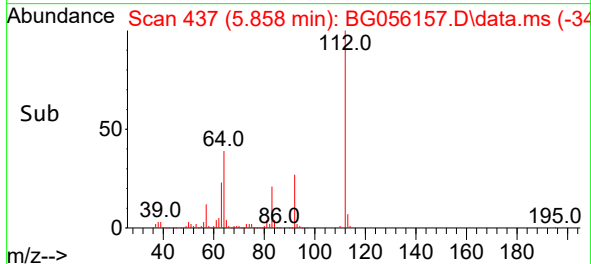
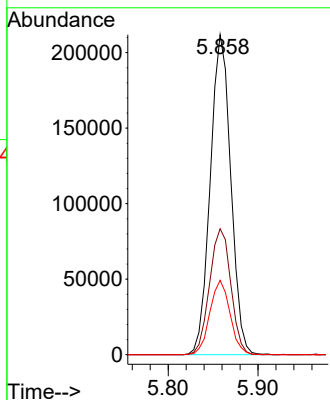
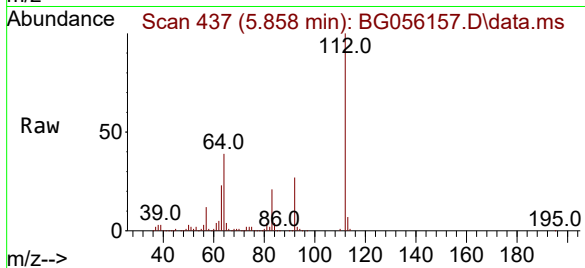




#5  
2-Fluorophenol  
Concen: 134.048 ng  
RT: 5.858 min Scan# 436  
Delta R.T. 0.005 min  
Lab File: BG056157.D  
Acq: 29 Dec 2022 16:53

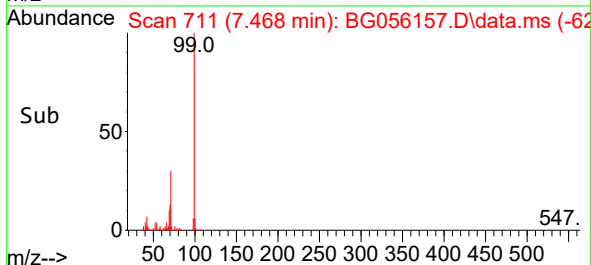
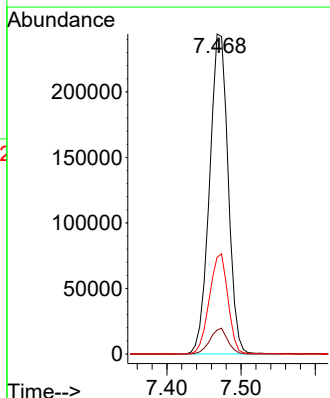
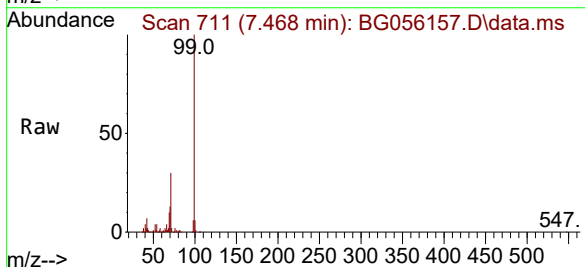
Instrument :  
BNA\_G  
ClientSampleId :  
TP-1

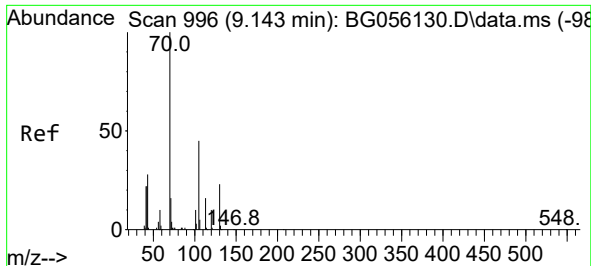
Tgt Ion:112 Resp: 336100  
Ion Ratio Lower Upper  
112 100  
64 39.3 33.3 49.9  
63 23.3 19.0 28.4



#7  
Phenol-d6  
Concen: 110.416 ng  
RT: 7.468 min Scan# 711  
Delta R.T. -0.001 min  
Lab File: BG056157.D  
Acq: 29 Dec 2022 16:53

Tgt Ion: 99 Resp: 425160  
Ion Ratio Lower Upper  
99 100  
42 7.5 5.9 8.9  
71 30.2 25.4 38.2





#19

n-Nitroso-di-n-propylamine

Concen: 14.977 ng

RT: 9.512 min Scan# 1059

Delta R.T. 0.369 min

Lab File: BG056157.D

Acq: 29 Dec 2022 16:53

Instrument :

BNA\_G

ClientSampleId :

TP-1

Tgt Ion: 70 Resp: 35067

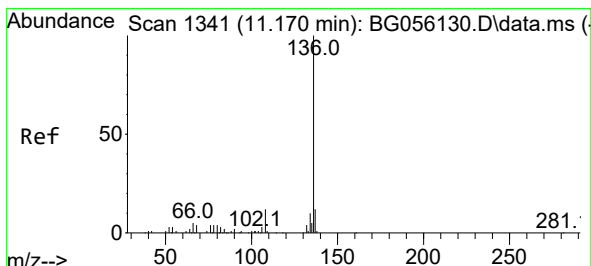
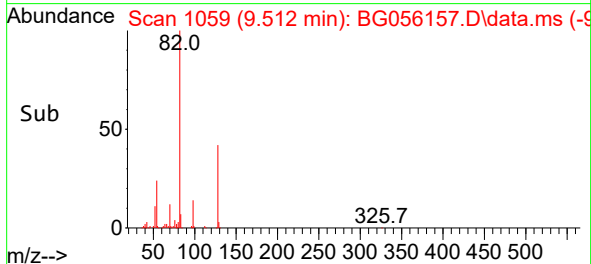
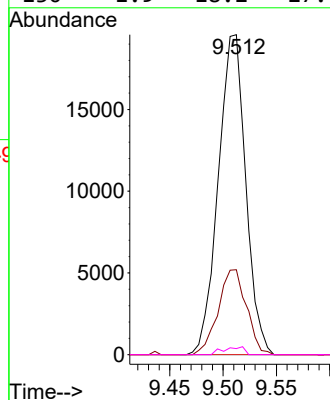
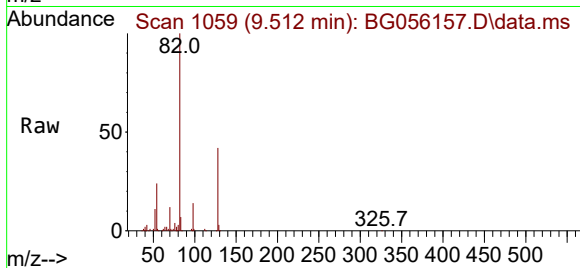
Ion Ratio Lower Upper

70 100

42 26.6 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: 11.169 min Scan# 1341

Delta R.T. -0.001 min

Lab File: BG056157.D

Acq: 29 Dec 2022 16:53

Tgt Ion:136 Resp: 151937

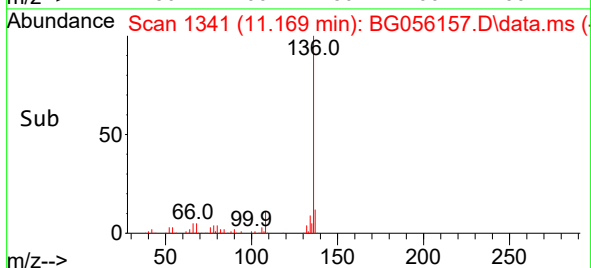
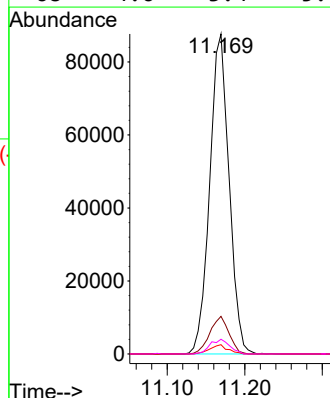
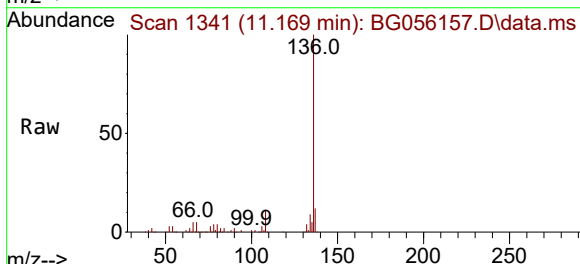
Ion Ratio Lower Upper

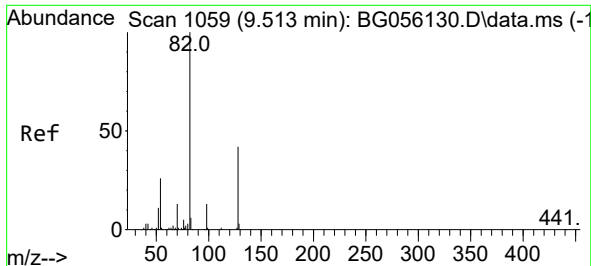
136 100

137 11.8 9.4 14.0

54 2.9 2.2 3.2

68 4.6 3.4 5.0





#23

Nitrobenzene-d5

Concen: 94.118 ng

RT: 9.506 min Scan# 1058

Delta R.T. -0.007 min

Lab File: BG056157.D

Acq: 29 Dec 2022 16:53

Instrument :

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ClientSampleId :

TP-1

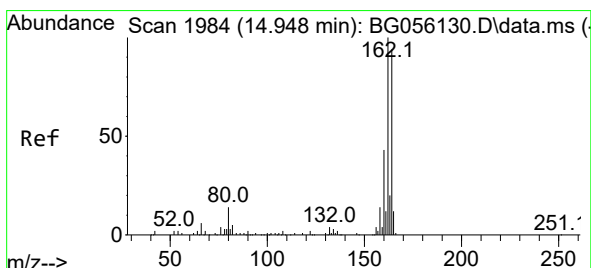
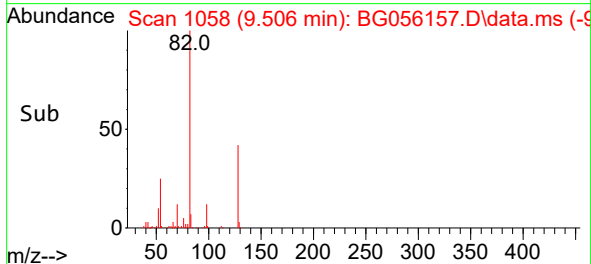
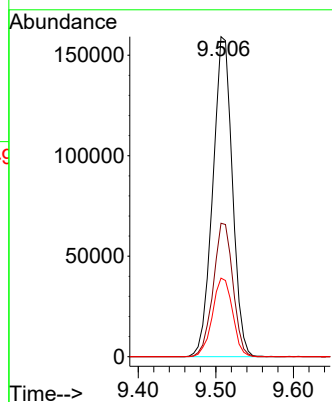
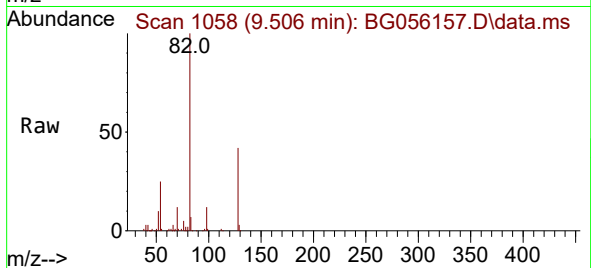
Tgt Ion: 82 Resp: 279561

Ion Ratio Lower Upper

82 100

128 41.7 33.4 50.2

54 24.6 20.3 30.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.941 min Scan# 1983

Delta R.T. -0.007 min

Lab File: BG056157.D

Acq: 29 Dec 2022 16:53

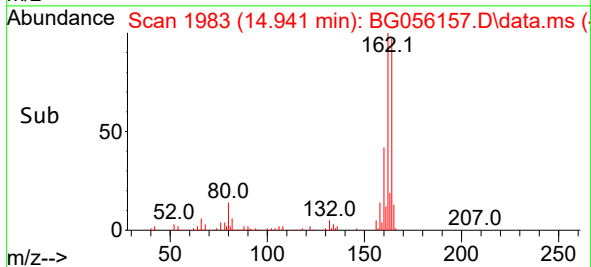
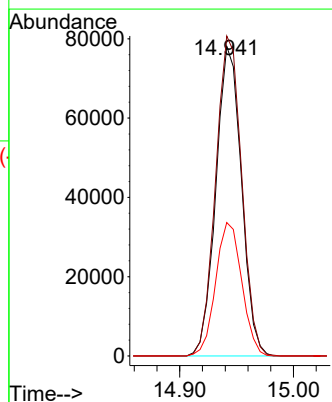
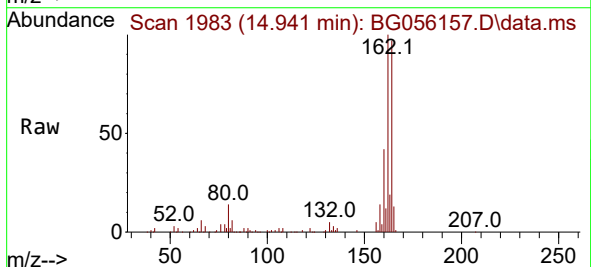
Tgt Ion: 164 Resp: 121888

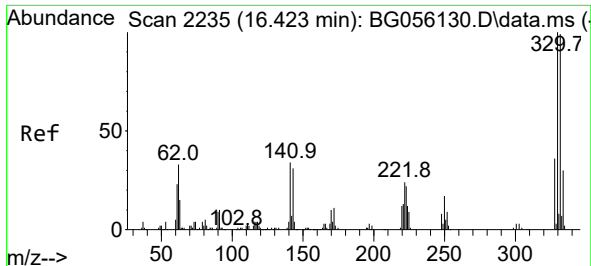
Ion Ratio Lower Upper

164 100

162 103.4 84.7 127.1

160 43.1 36.3 54.5

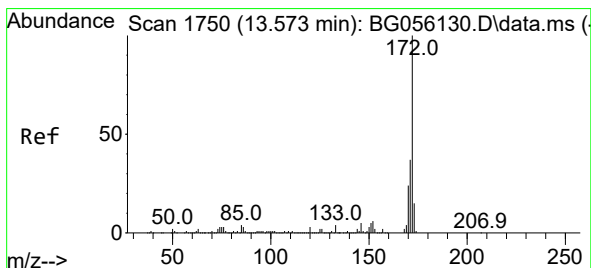
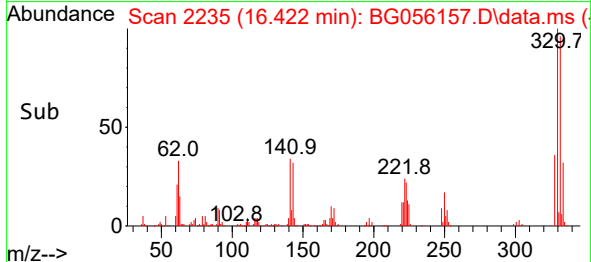
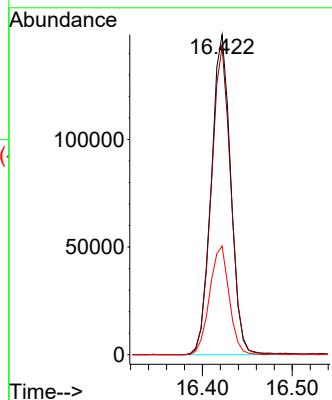
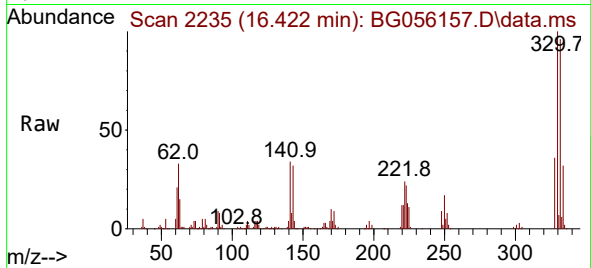




#42  
2,4,6-Tribromophenol  
Concen: 145.201 ng  
RT: 16.422 min Scan# 21  
Delta R.T. -0.001 min  
Lab File: BG056157.D  
Acq: 29 Dec 2022 16:53

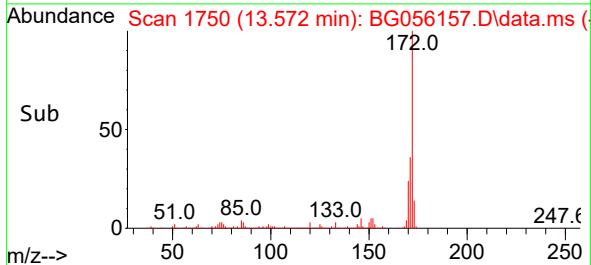
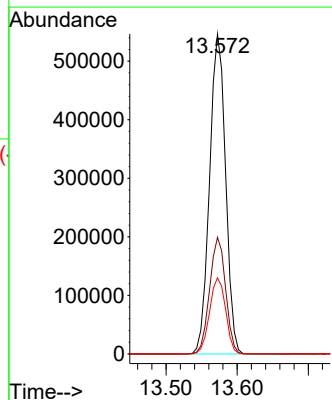
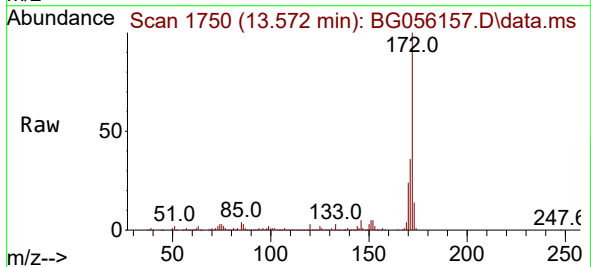
Instrument :  
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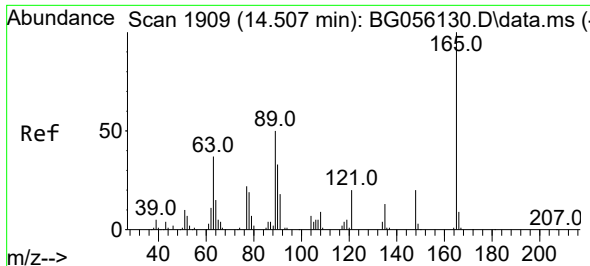
Tgt Ion:330 Resp: 224146  
Ion Ratio Lower Upper  
330 100  
332 96.1 77.3 115.9  
141 34.0 27.9 41.9



#45  
2-Fluorobiphenyl  
Concen: 97.065 ng  
RT: 13.572 min Scan# 1750  
Delta R.T. -0.001 min  
Lab File: BG056157.D  
Acq: 29 Dec 2022 16:53

Tgt Ion:172 Resp: 856769  
Ion Ratio Lower Upper  
172 100  
171 36.5 29.6 44.4  
170 23.8 19.4 29.2

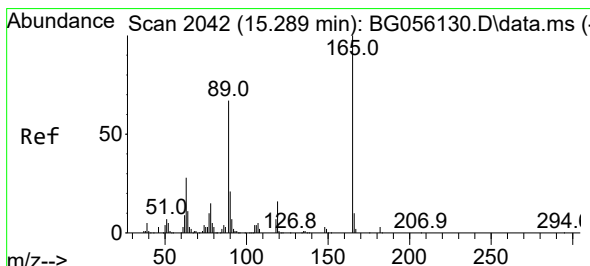
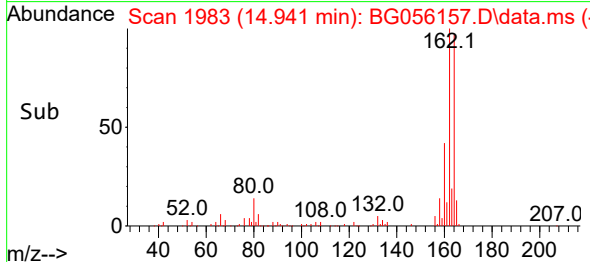
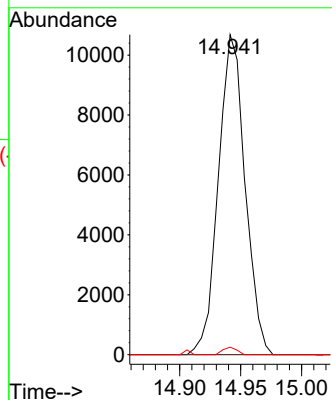
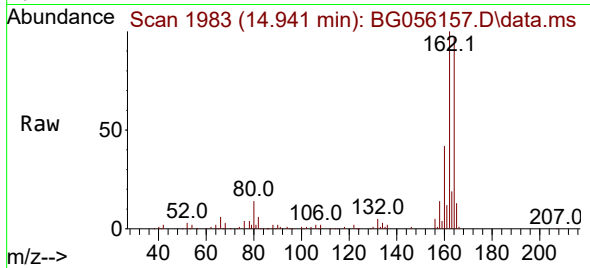




#51  
2,6-Dinitrotoluene  
Concen: 7.775 ng  
RT: 14.941 min Scan# 1909  
Delta R.T. 0.434 min  
Lab File: BG056157.D  
Acq: 29 Dec 2022 16:53

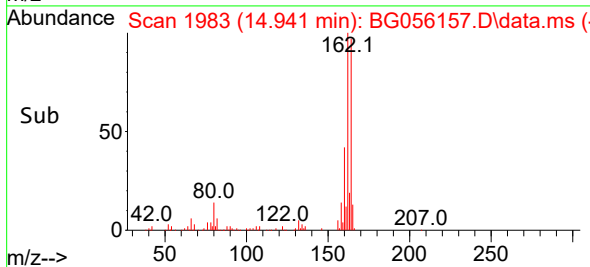
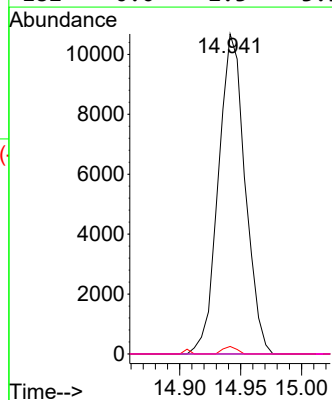
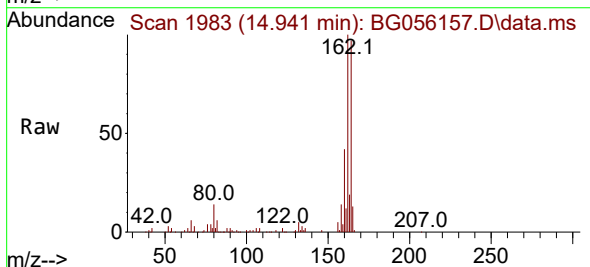
Instrument :  
BNA\_G  
ClientSampleId :  
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Tgt Ion:165 Resp: 16302  
Ion Ratio Lower Upper  
165 100  
63 0.0 32.2 48.2#  
89 2.3 39.8 59.8#

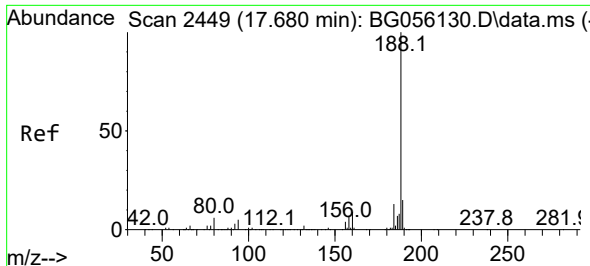


#57  
2,4-Dinitrotoluene  
Concen: 5.560 ng  
RT: 14.941 min Scan# 1983  
Delta R.T. -0.348 min  
Lab File: BG056157.D  
Acq: 29 Dec 2022 16:53

Tgt Ion:165 Resp: 16302  
Ion Ratio Lower Upper  
165 100  
63 0.0 22.6 34.0#  
89 2.3 53.2 79.8#  
182 0.0 2.3 3.5#



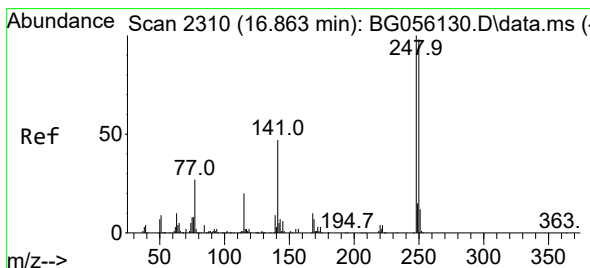
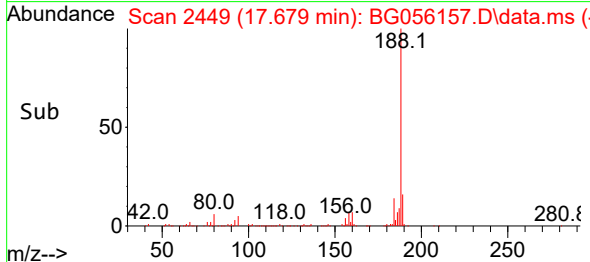
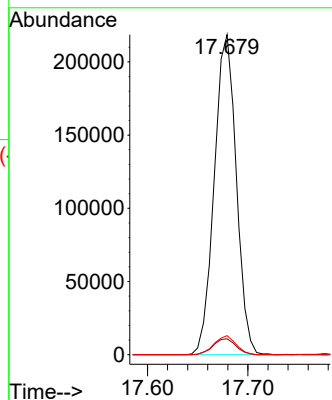
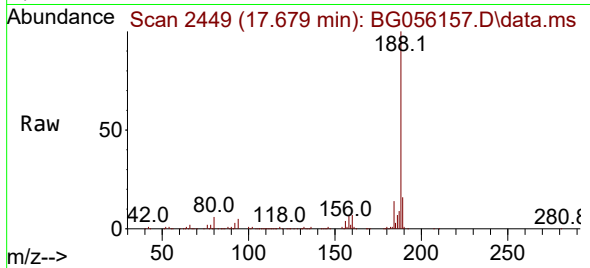




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.679 min Scan# 2449  
Delta R.T. -0.001 min  
Lab File: BG056157.D  
Acq: 29 Dec 2022 16:53

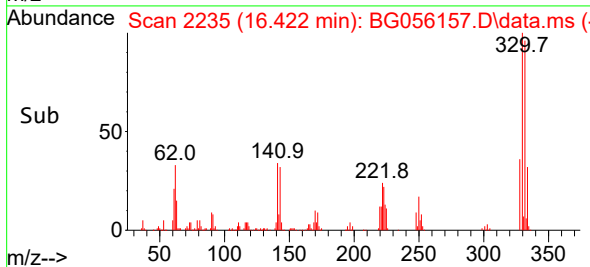
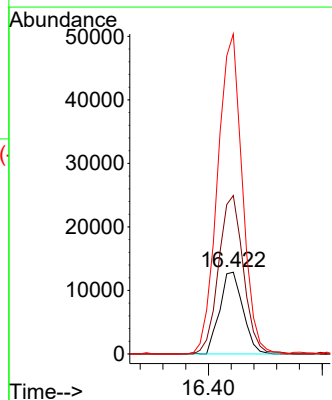
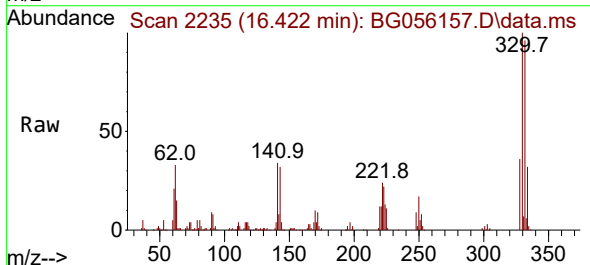
Instrument :  
BNA\_G  
ClientSampleId :  
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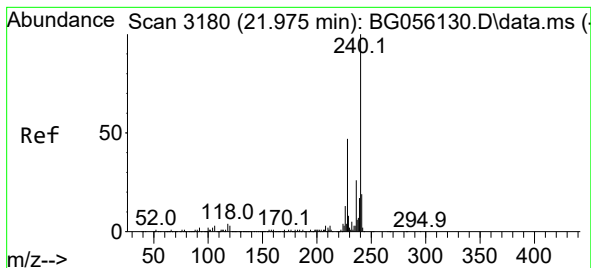
Tgt Ion:188 Resp: 332128  
Ion Ratio Lower Upper  
188 100  
94 4.9 4.2 6.2  
80 6.0 5.0 7.4



#67  
4-Bromophenyl-phenylether  
Concen: 4.337 ng  
RT: 16.422 min Scan# 2235  
Delta R.T. -0.442 min  
Lab File: BG056157.D  
Acq: 29 Dec 2022 16:53

Tgt Ion:248 Resp: 18341  
Ion Ratio Lower Upper  
248 100  
250 153.8 78.2 117.4#  
141 310.6 37.6 56.4#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.974 min Scan# 31

Delta R.T. -0.001 min

Lab File: BG056157.D

Acq: 29 Dec 2022 16:53

Instrument :

BNA\_G

ClientSampleId :

TP-1

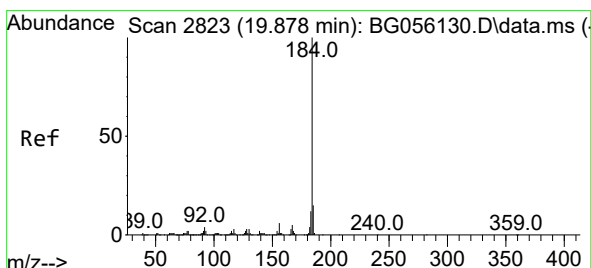
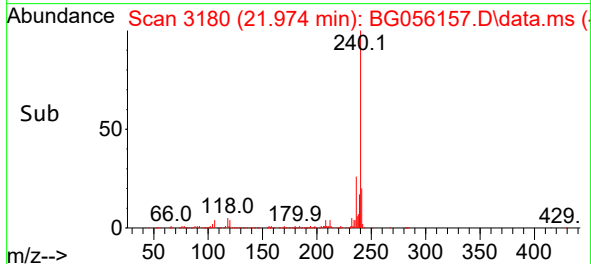
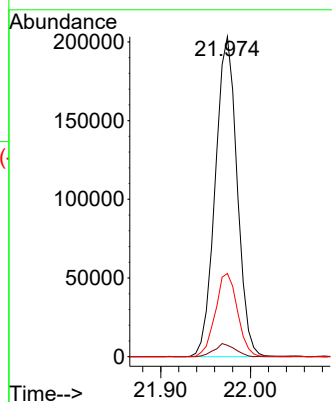
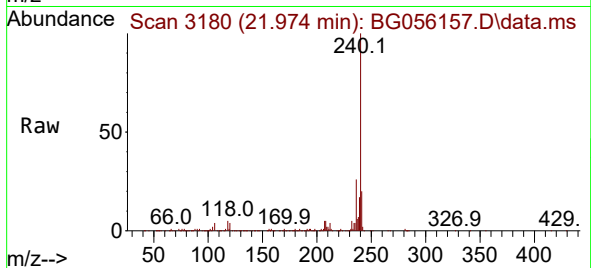
Tgt Ion:240 Resp: 342917

Ion Ratio Lower Upper

240 100

120 3.6 2.6 4.0

236 26.0 20.8 31.2



#77

Benzidine

Concen: 2.258 ng

RT: 20.253 min Scan# 2887

Delta R.T. 0.375 min

Lab File: BG056157.D

Acq: 29 Dec 2022 16:53

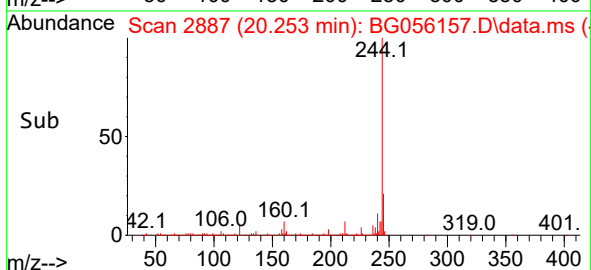
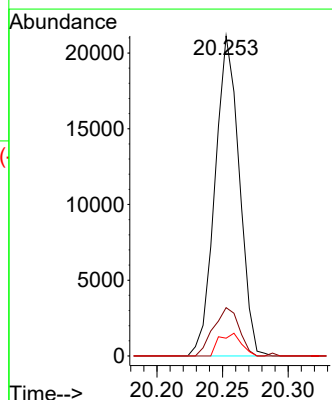
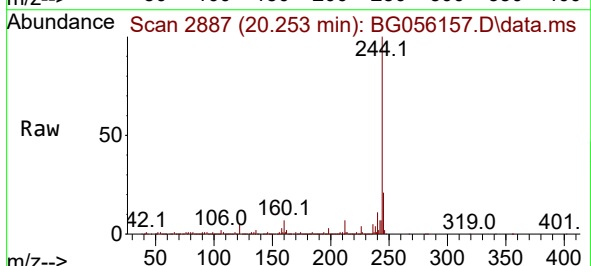
Tgt Ion:184 Resp: 27135

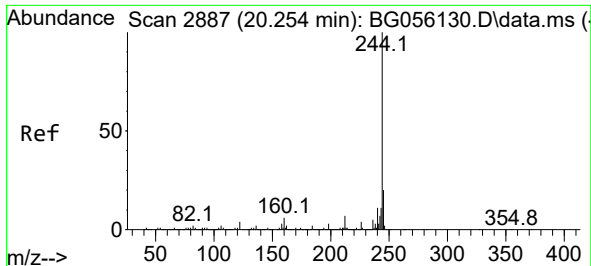
Ion Ratio Lower Upper

184 100

185 15.1 12.2 18.2

183 5.6 9.4 14.0#

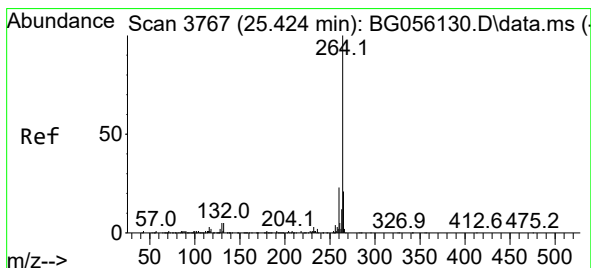
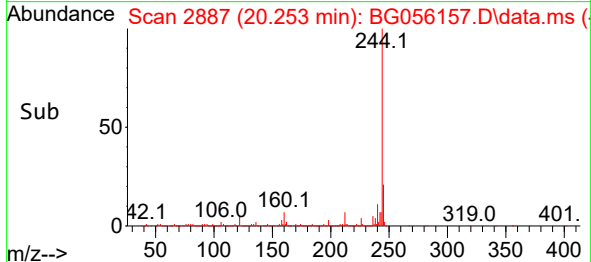
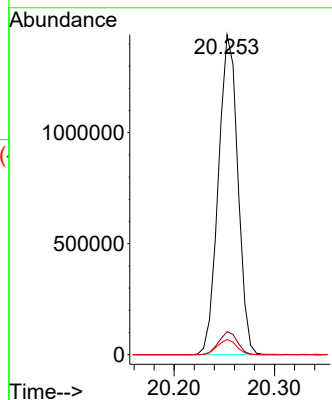
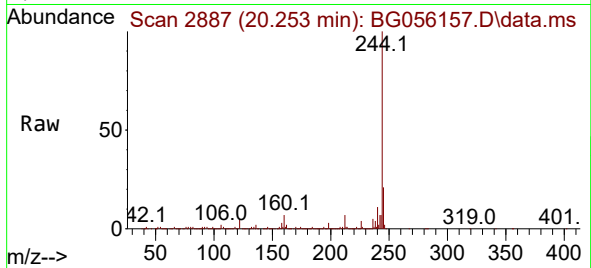




#79  
 Terphenyl-d14  
 Concen: 101.369 ng  
 RT: 20.253 min Scan# 21  
 Delta R.T. -0.001 min  
 Lab File: BG056157.D  
 Acq: 29 Dec 2022 16:53

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-1

Tgt Ion:244 Resp: 1940821  
 Ion Ratio Lower Upper  
 244 100  
 212 7.2 5.7 8.5  
 122 4.8 3.5 5.3



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 25.423 min Scan# 3767  
 Delta R.T. -0.001 min  
 Lab File: BG056157.D  
 Acq: 29 Dec 2022 16:53

Tgt Ion:264 Resp: 362962  
 Ion Ratio Lower Upper  
 264 100  
 260 23.3 18.6 28.0  
 265 21.2 16.7 25.1

