

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG041723\  
 Data File : BG057122.D  
 Acq On : 17 Apr 2023 22:35  
 Operator : CG/JU  
 Sample : 02366-08  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 20230339-COMP-17

Quant Time: Apr 18 01:23:19 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG033023.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Apr 17 19:00:08 2023  
 Response via : Initial Calibration

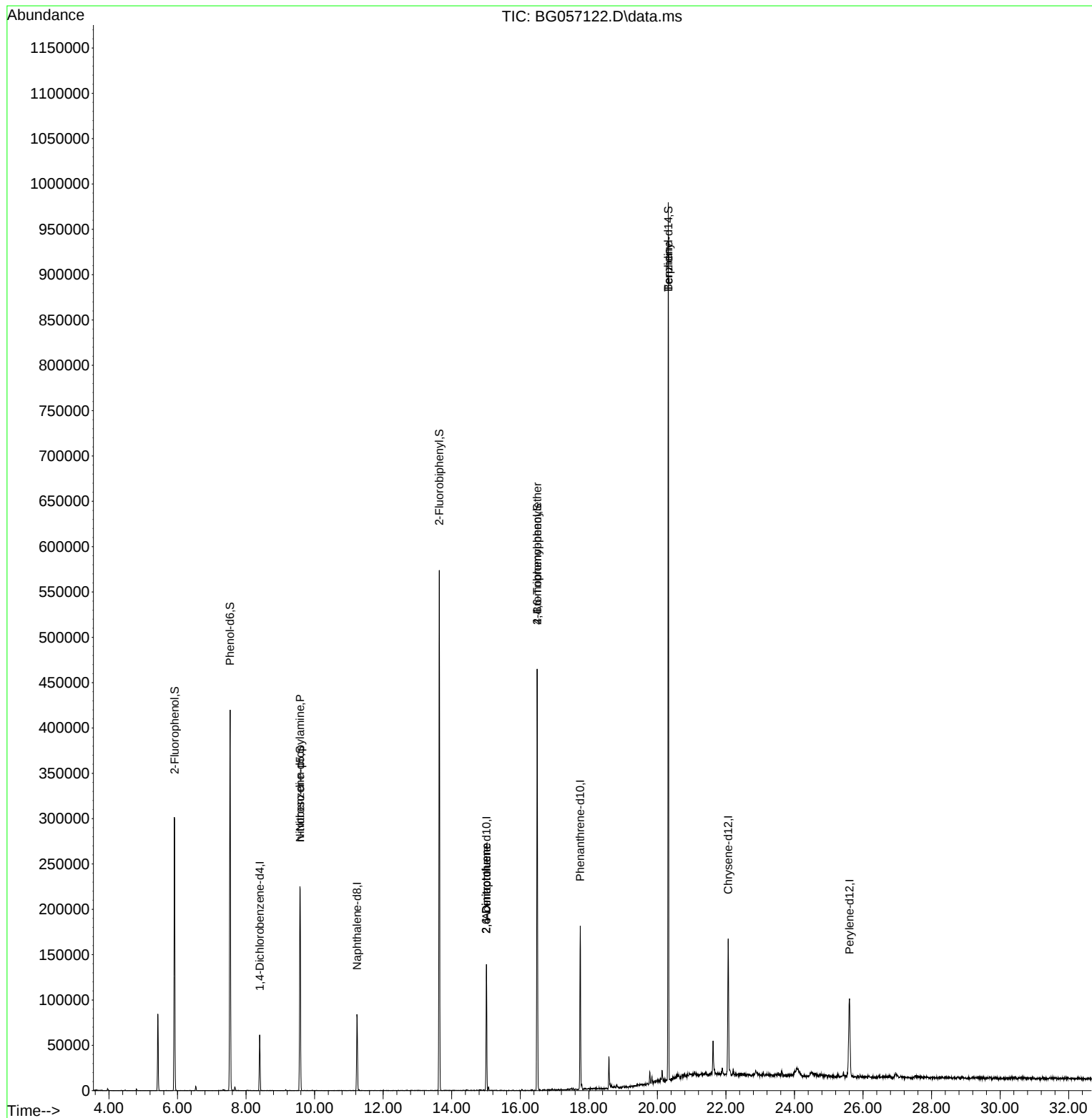
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.398  | 152  | 16706    | 20.000  | ng    | -0.01    |
| 21) Naphthalene-d8            | 11.236 | 136  | 69263    | 20.000  | ng    | #-0.01   |
| 39) Acenaphthene-d10          | 15.013 | 164  | 49999    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.750 | 188  | 111292   | 20.000  | ng    | #-0.01   |
| 76) Chrysene-d12              | 22.068 | 240  | 89833    | 20.000  | ng    | #-0.01   |
| 86) Perylene-d12              | 25.605 | 264  | 100492   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.914  | 112  | 128223   | 122.839 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.535  | 99   | 246215   | 157.711 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.573  | 82   | 150551   | 88.939  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 16.493 | 330  | 96071    | 120.277 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.638 | 172  | 277903   | 75.369  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.318 | 244  | 459178   | 86.494  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 9.573  | 70   | 20217    | 18.105  | ng    | # 78     |
| 51) 2,6-Dinitrotoluene        | 15.007 | 165  | 6511     | 7.649   | ng    | # 18     |
| 57) 2,4-Dinitrotoluene        | 15.007 | 165  | 6511     | 5.424   | ng    | # 18     |
| 67) 4-Bromophenyl-phenylether | 16.493 | 248  | 5589     | 4.059   | ng    | # 1      |
| 77) Benzidine                 | 20.318 | 184  | 7263     | 2.958   | ng    | # 90     |
| -----                         |        |      |          |         |       |          |

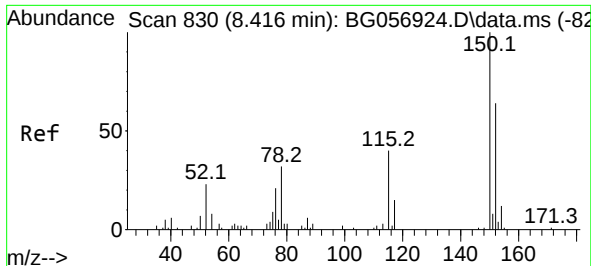
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG041723\  
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Instrument :  
BNA\_G  
ClientSampleId :  
20230339-COMP-17

Quant Time: Apr 18 01:23:19 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG033023.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Apr 17 19:00:08 2023  
Response via : Initial Calibration

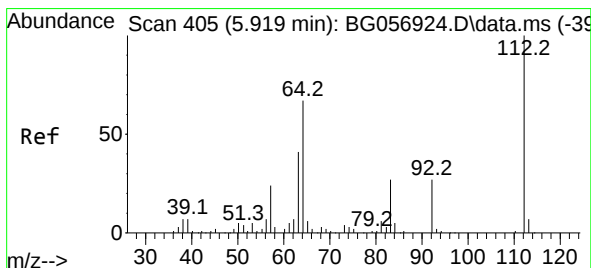
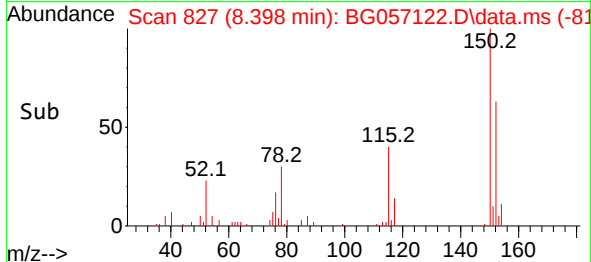
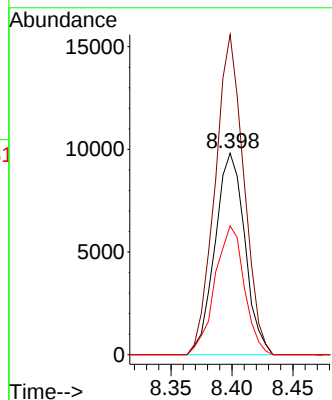
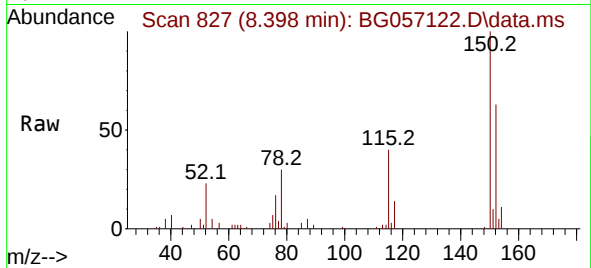




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.398 min Scan# 81  
Delta R.T. -0.013 min  
Lab File: BG057122.D  
Acq: 17 Apr 2023 22:35

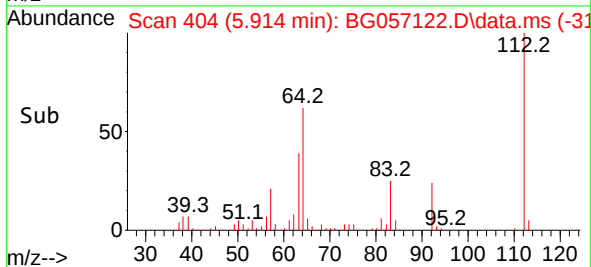
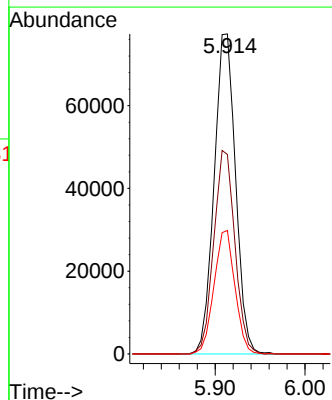
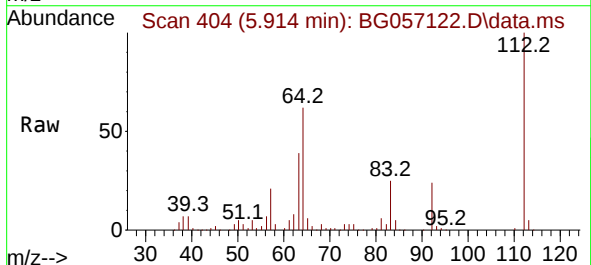
Instrument :  
BNA\_G  
ClientSampleId :  
20230339-COMP-17

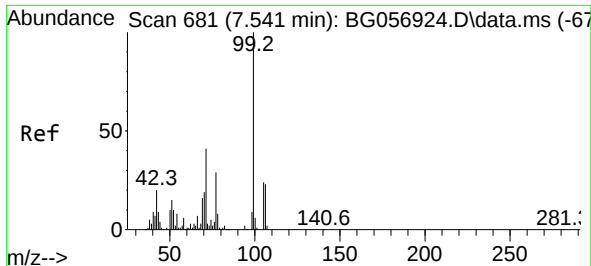
Tgt Ion:152 Resp: 16706  
Ion Ratio Lower Upper  
152 100  
150 158.8 124.1 186.1  
115 63.9 49.1 73.7



#5  
2-Fluorophenol  
Concen: 122.839 ng  
RT: 5.914 min Scan# 404  
Delta R.T. -0.001 min  
Lab File: BG057122.D  
Acq: 17 Apr 2023 22:35

Tgt Ion:112 Resp: 128223  
Ion Ratio Lower Upper  
112 100  
64 62.4 53.2 79.8  
63 38.6 32.6 48.8

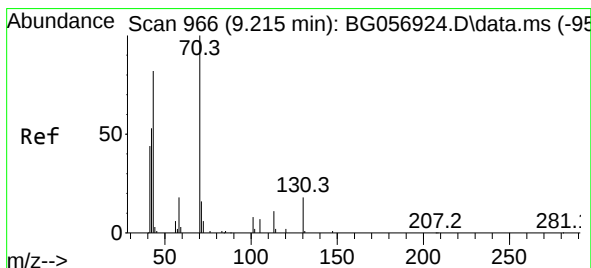
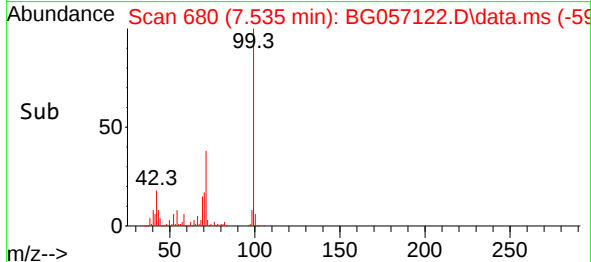
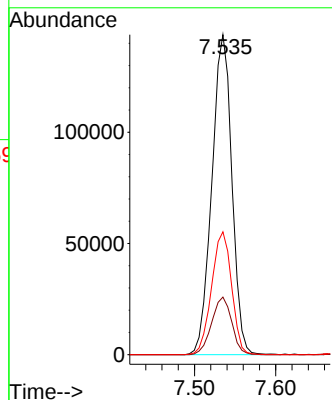
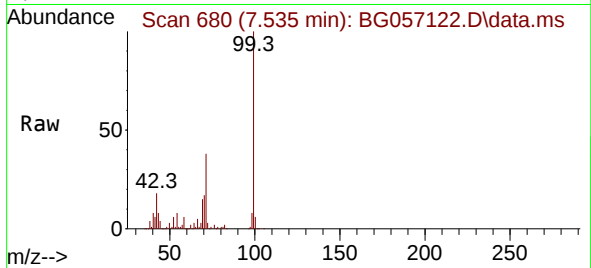




#7  
Phenol-d6  
Concen: 157.711 ng  
RT: 7.535 min Scan# 61  
Delta R.T. -0.001 min  
Lab File: BG057122.D  
Acq: 17 Apr 2023 22:35

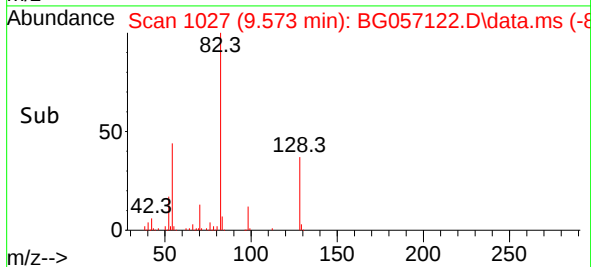
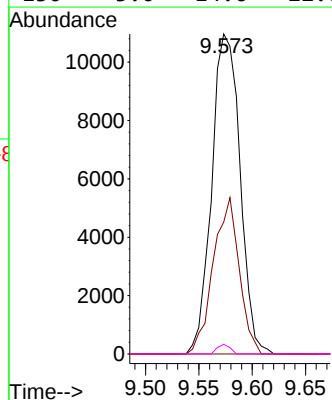
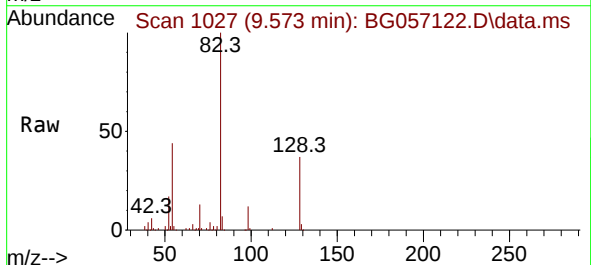
Instrument :  
BNA\_G  
ClientSampleId :  
20230339-COMP-17

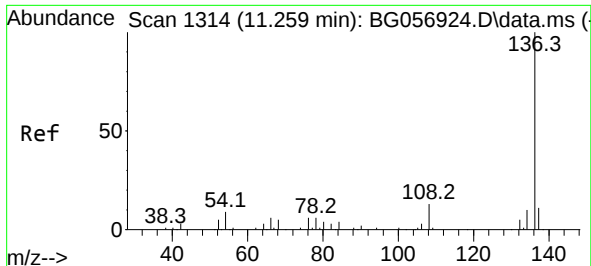
Tgt Ion: 99 Resp: 246215  
Ion Ratio Lower Upper  
99 100  
42 18.0 15.7 23.5  
71 38.4 32.5 48.7



#19  
n-Nitroso-di-n-propylamine  
Concen: 18.105 ng  
RT: 9.573 min Scan# 1027  
Delta R.T. 0.363 min  
Lab File: BG057122.D  
Acq: 17 Apr 2023 22:35

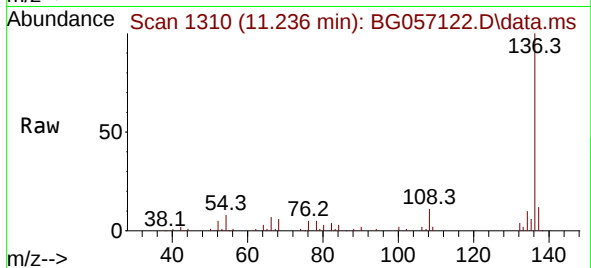
Tgt Ion: 70 Resp: 20217  
Ion Ratio Lower Upper  
70 100  
42 41.2 43.4 65.0#  
101 0.0 6.2 9.2#  
130 3.0 14.6 22.0#



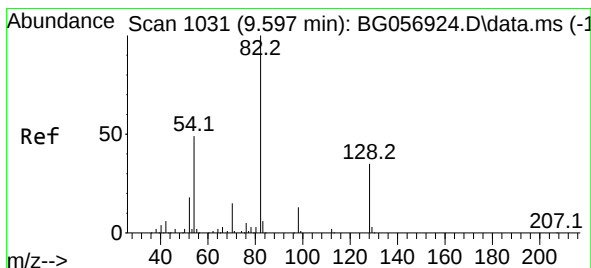
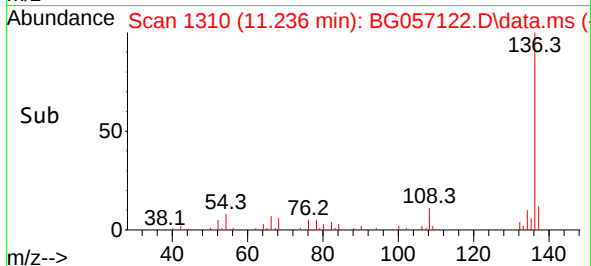
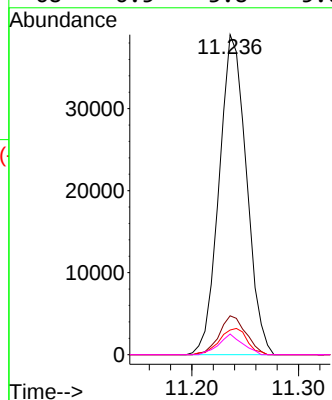


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.236 min Scan# 11  
Delta R.T. -0.013 min  
Lab File: BG057122.D  
Acq: 17 Apr 2023 22:35

Instrument :  
BNA\_G  
ClientSampleId :  
20230339-COMP-17

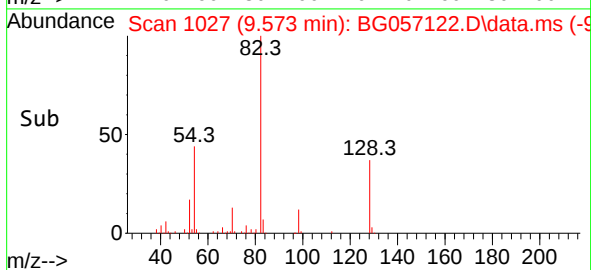
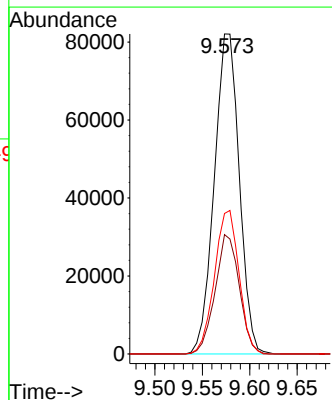
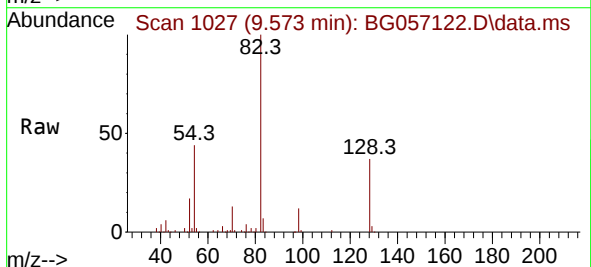


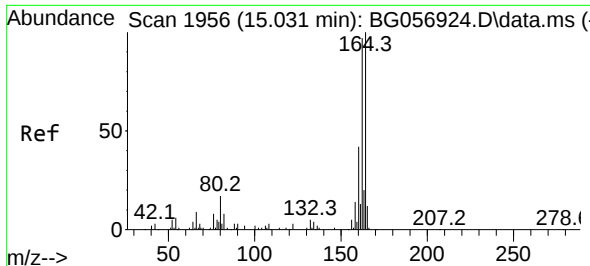
Tgt Ion:136 Resp: 69263  
Ion Ratio Lower Upper  
136 100  
137 12.2 8.6 13.0  
54 7.7 6.9 10.3  
68 6.5 3.8 5.6#



#23  
Nitrobenzene-d5  
Concen: 88.939 ng  
RT: 9.573 min Scan# 1027  
Delta R.T. -0.013 min  
Lab File: BG057122.D  
Acq: 17 Apr 2023 22:35

Tgt Ion: 82 Resp: 150551  
Ion Ratio Lower Upper  
82 100  
128 37.3 27.9 41.9  
54 43.9 39.4 59.2

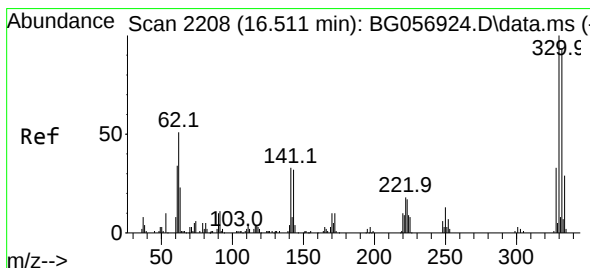
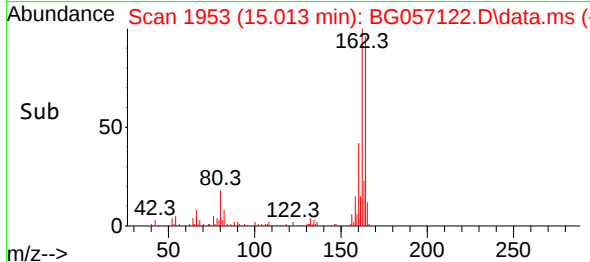
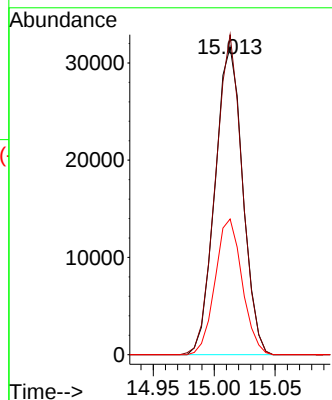
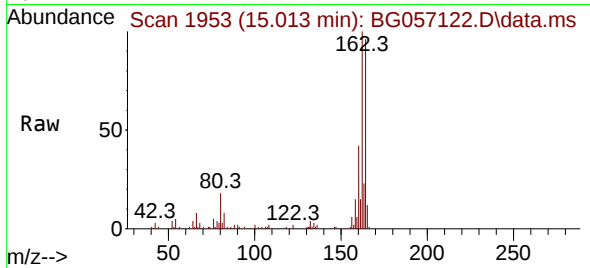




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 15.013 min Scan# 1953  
Delta R.T. -0.007 min  
Lab File: BG057122.D  
Acq: 17 Apr 2023 22:35

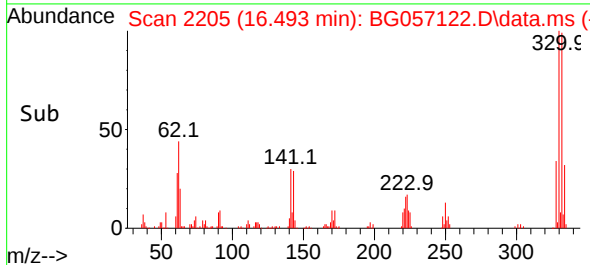
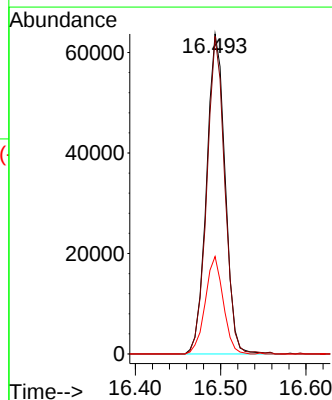
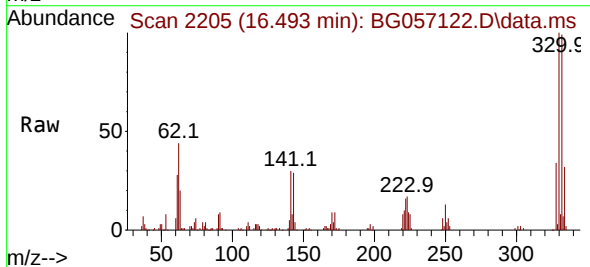
Instrument :  
BNA\_G  
ClientSampleId :  
20230339-COMP-17

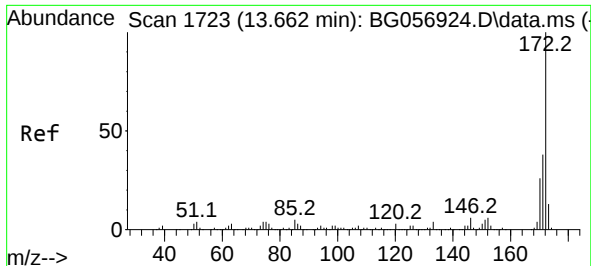
Tgt Ion:164 Resp: 49999  
Ion Ratio Lower Upper  
164 100  
162 103.9 77.8 116.8  
160 44.1 33.5 50.3



#42  
2,4,6-Tribromophenol  
Concen: 120.277 ng  
RT: 16.493 min Scan# 2205  
Delta R.T. -0.007 min  
Lab File: BG057122.D  
Acq: 17 Apr 2023 22:35

Tgt Ion:330 Resp: 96071  
Ion Ratio Lower Upper  
330 100  
332 96.1 76.1 114.1  
141 29.5 25.8 38.6

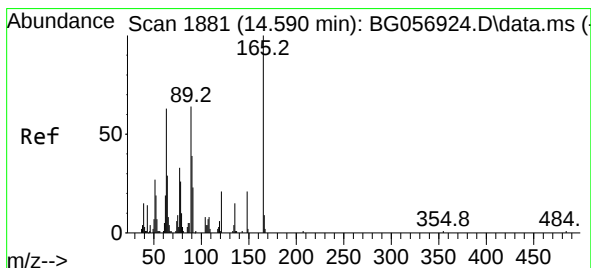
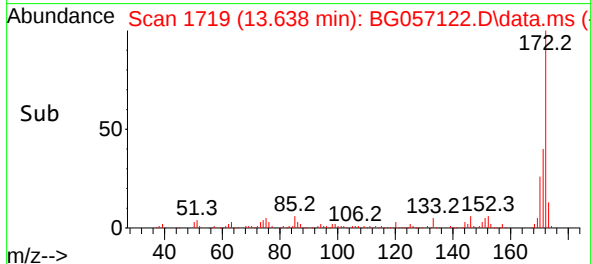
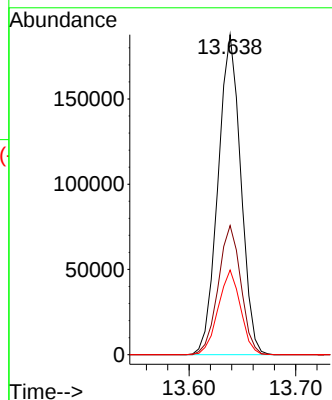
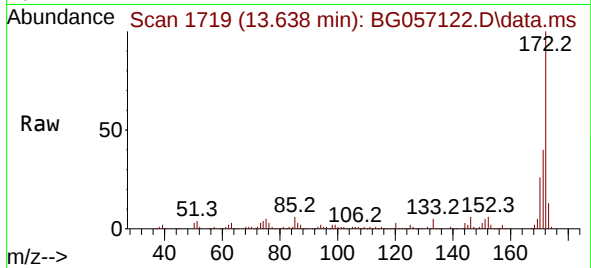




#45  
 2-Fluorobiphenyl  
 Concen: 75.369 ng  
 RT: 13.638 min Scan# 11  
 Delta R.T. -0.007 min  
 Lab File: BG057122.D  
 Acq: 17 Apr 2023 22:35

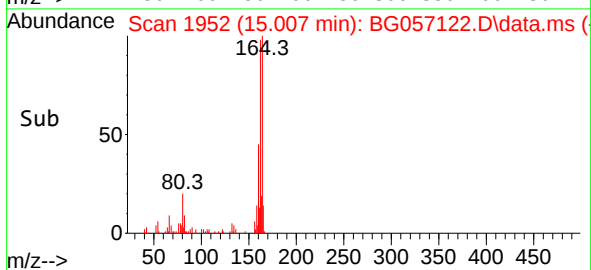
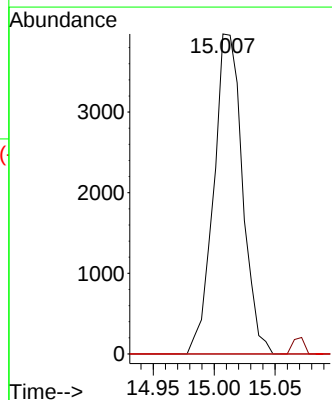
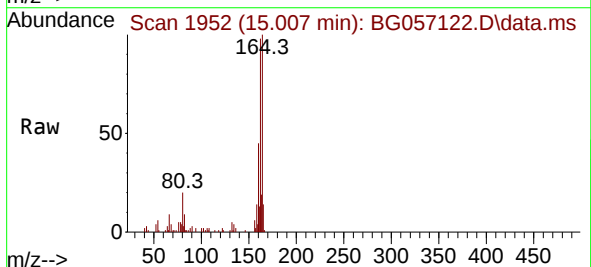
Instrument :  
 BNA\_G  
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 20230339-COMP-17

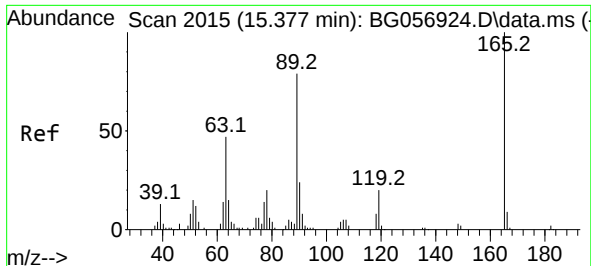
Tgt Ion:172 Resp: 277903  
 Ion Ratio Lower Upper  
 172 100  
 171 40.4 30.6 46.0  
 170 26.5 20.6 30.8



#51  
 2,6-Dinitrotoluene  
 Concen: 7.649 ng  
 RT: 15.007 min Scan# 1952  
 Delta R.T. 0.422 min  
 Lab File: BG057122.D  
 Acq: 17 Apr 2023 22:35

Tgt Ion:165 Resp: 6511  
 Ion Ratio Lower Upper  
 165 100  
 63 0.0 53.0 79.6#  
 89 0.0 51.0 76.4#





#57

2,4-Dinitrotoluene

Concen: 5.424 ng

RT: 15.007 min Scan# 1419

Delta R.T. -0.359 min

Lab File: BG057122.D

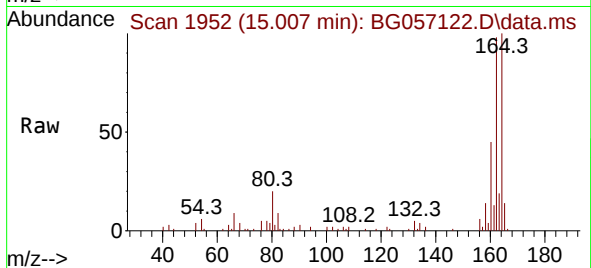
Acq: 17 Apr 2023 22:35

Instrument :

BNA\_G

ClientSampleId :

20230339-COMP-17



Tgt Ion:165 Resp: 6511

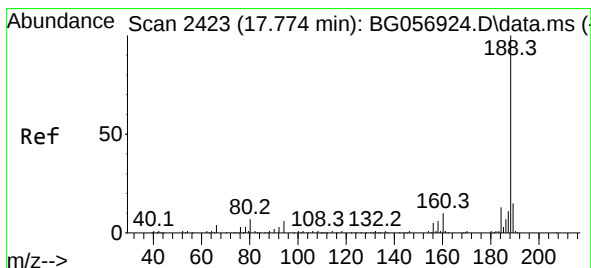
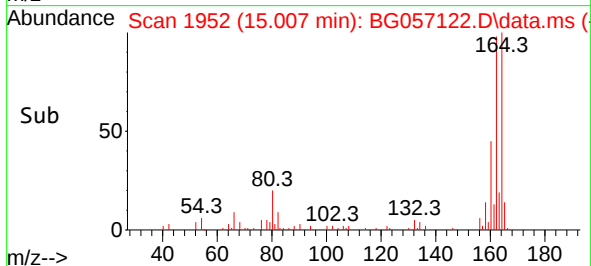
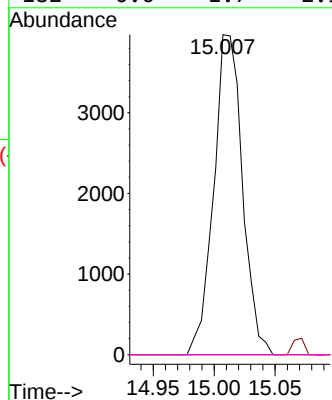
Ion Ratio Lower Upper

165 100

63 0.0 37.7 56.5#

89 0.0 63.2 94.8#

182 0.0 1.7 2.5#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.750 min Scan# 2419

Delta R.T. -0.013 min

Lab File: BG057122.D

Acq: 17 Apr 2023 22:35

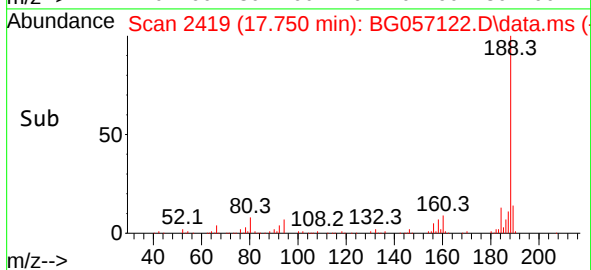
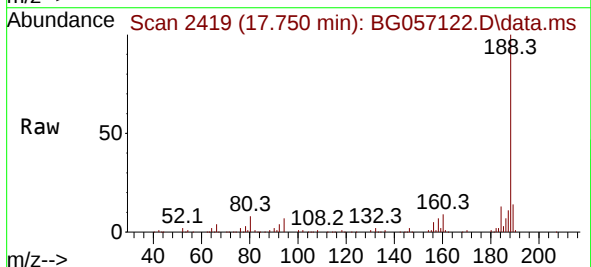
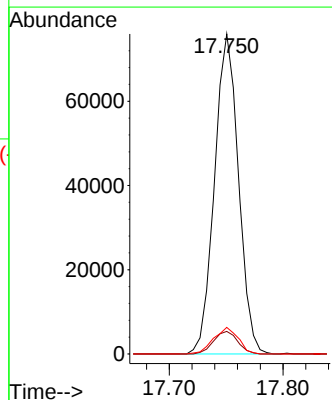
Tgt Ion:188 Resp: 111292

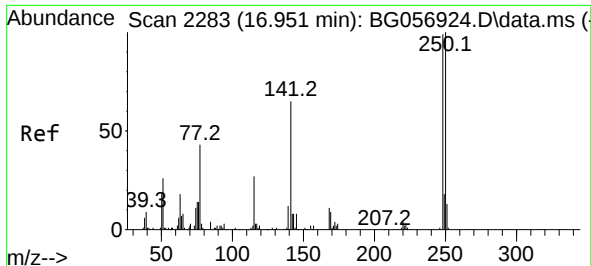
Ion Ratio Lower Upper

188 100

94 7.0 4.6 6.8#

80 8.3 5.5 8.3#

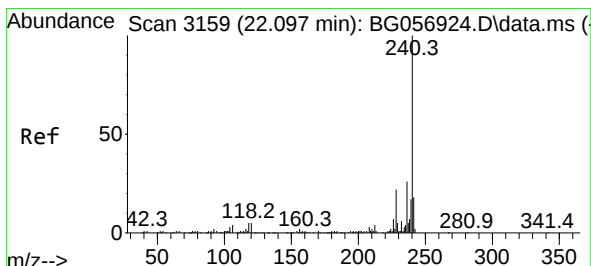
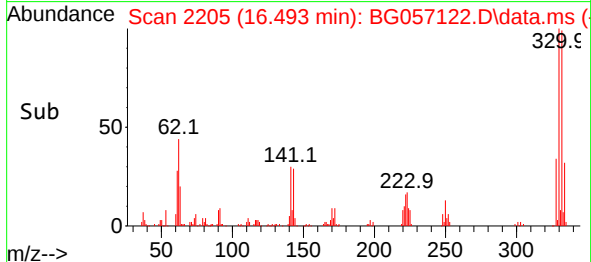
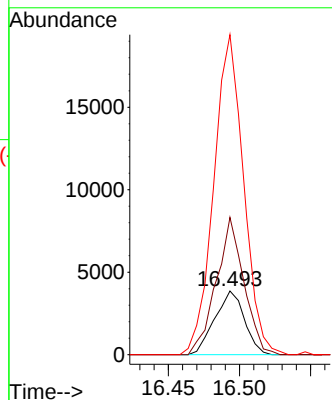
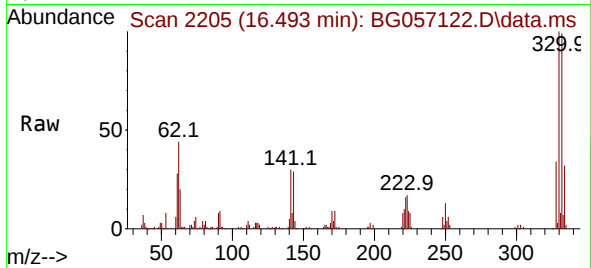




#67  
4-Bromophenyl-phenylether  
Concen: 4.059 ng  
RT: 16.493 min Scan# 21  
Delta R.T. -0.442 min  
Lab File: BG057122.D  
Acq: 17 Apr 2023 22:35

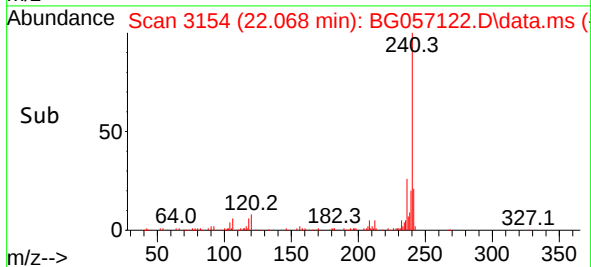
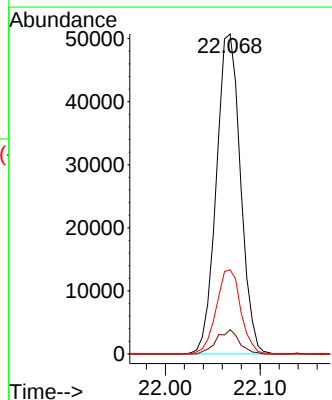
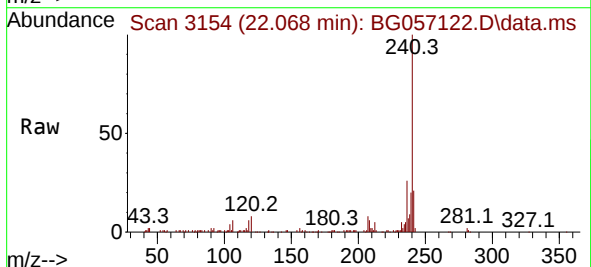
Instrument :  
BNA\_G  
ClientSampleId :  
20230339-COMP-17

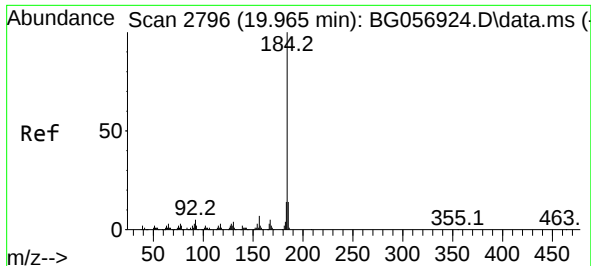
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Ion Ratio Lower Upper  
248 100  
250 215.5 80.5 120.7#  
141 502.2 52.0 78.0#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 22.068 min Scan# 3154  
Delta R.T. -0.013 min  
Lab File: BG057122.D  
Acq: 17 Apr 2023 22:35

Tgt Ion:240 Resp: 89833  
Ion Ratio Lower Upper  
240 100  
120 7.6 3.8 5.6#  
236 26.3 21.0 31.6

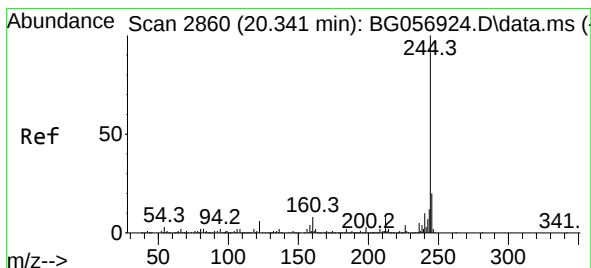
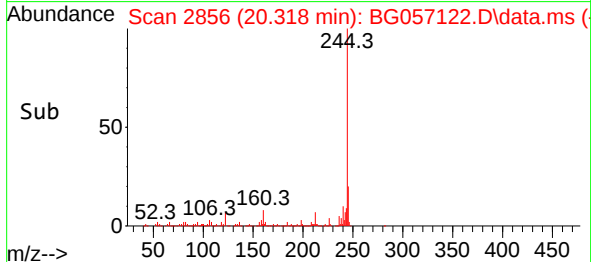
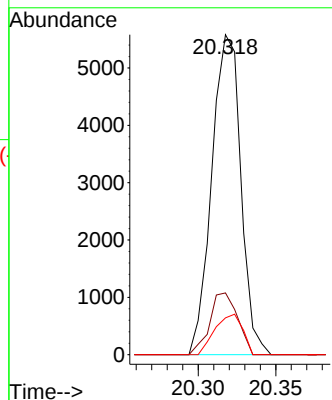
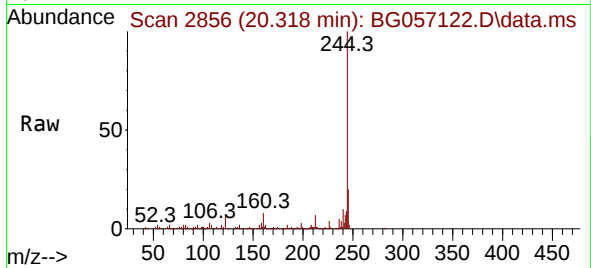




#77  
Benzidine  
Concen: 2.958 ng  
RT: 20.318 min Scan# 2856  
Delta R.T. 0.363 min  
Lab File: BG057122.D  
Acq: 17 Apr 2023 22:35

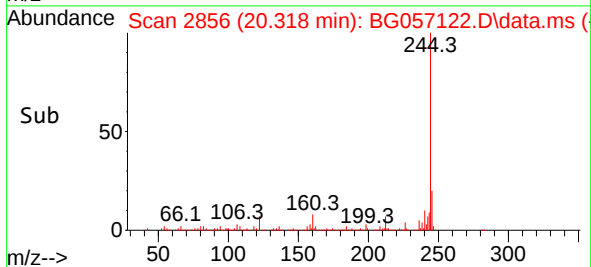
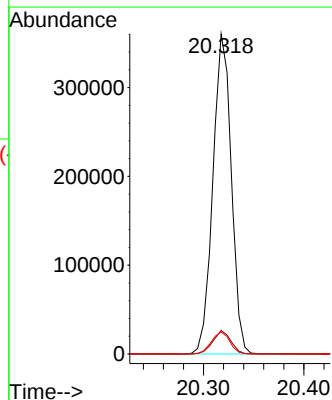
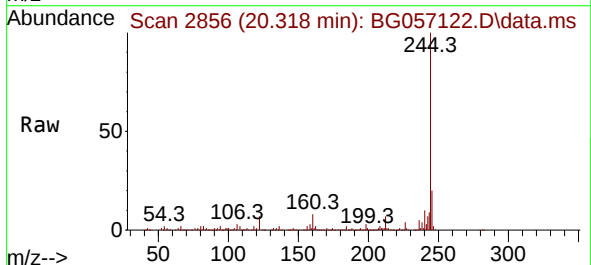
Instrument :  
BNA\_G  
ClientSampleId :  
20230339-COMP-17

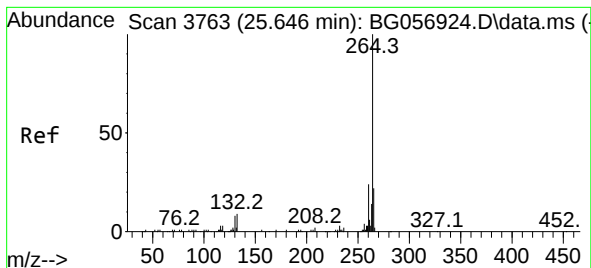
Tgt Ion:184 Resp: 7263  
Ion Ratio Lower Upper  
184 100  
185 19.3 11.0 16.4#  
183 11.5 11.4 17.0



#79  
Terphenyl-d14  
Concen: 86.494 ng  
RT: 20.318 min Scan# 2856  
Delta R.T. -0.007 min  
Lab File: BG057122.D  
Acq: 17 Apr 2023 22:35

Tgt Ion:244 Resp: 459178  
Ion Ratio Lower Upper  
244 100  
212 7.4 6.1 9.1  
122 6.9 5.0 7.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.605 min Scan# 31

Delta R.T. -0.007 min

Lab File: BG057122.D

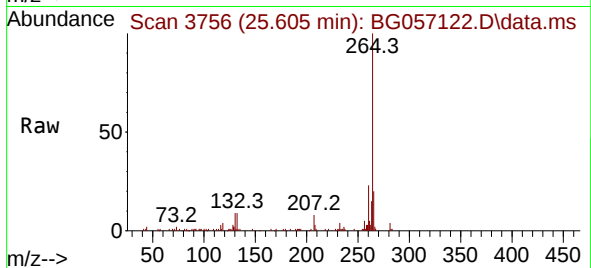
Acq: 17 Apr 2023 22:35

Instrument :

BNA\_G

ClientSampleId :

20230339-COMP-17



Tgt Ion:264 Resp: 100492

Ion Ratio Lower Upper

264 100

260 23.1 19.0 28.4

265 19.7 17.8 26.6

