

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG042523\  
 Data File : BG057177.D  
 Acq On : 25 Apr 2023 15:20  
 Operator : CG/JU  
 Sample : 02423-12  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SPE-1WC-23-04-18

Quant Time: Apr 26 00:22:57 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG042423.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Apr 25 04:59:02 2023  
 Response via : Initial Calibration

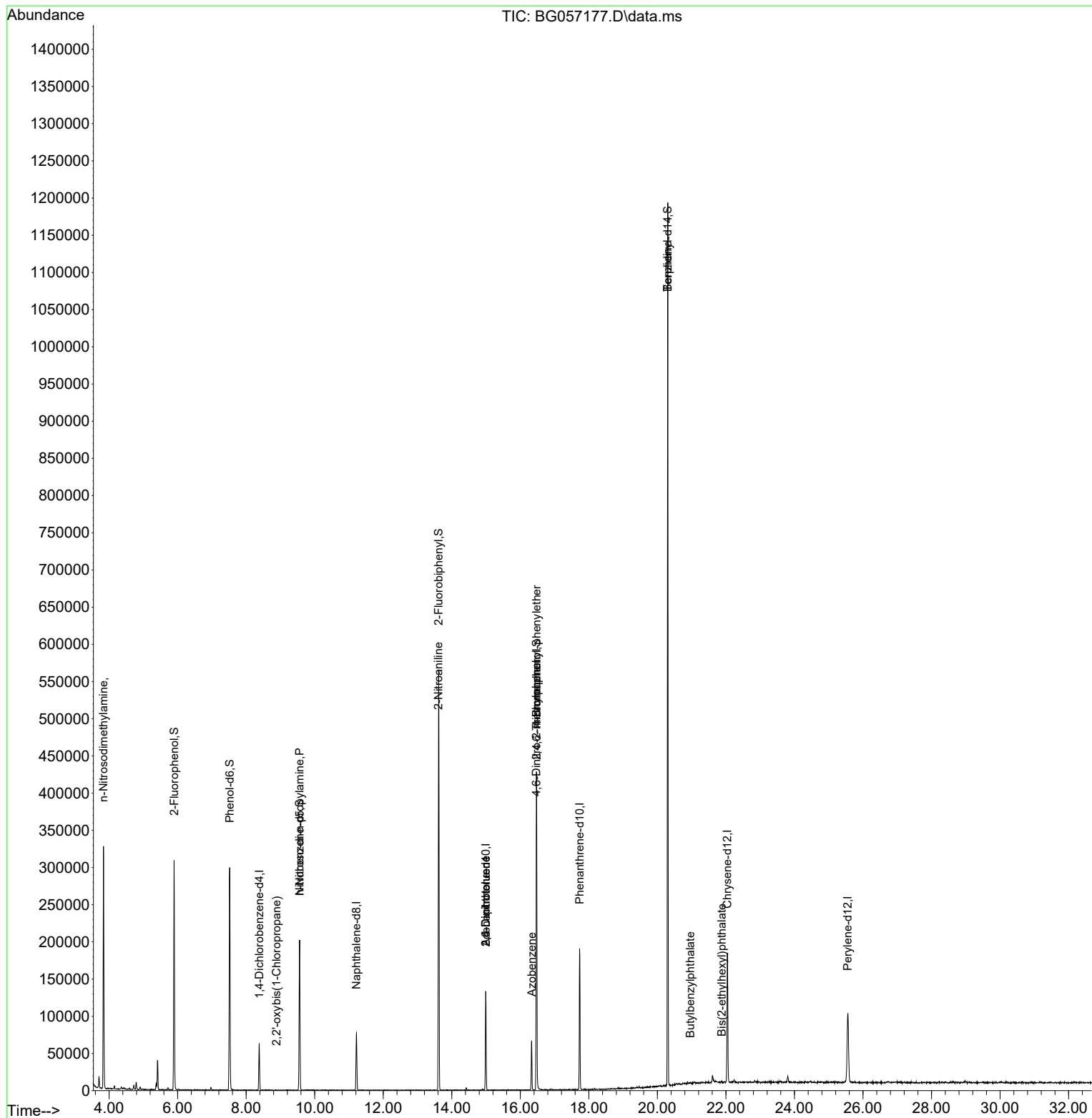
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.383  | 152  | 16307    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 11.214 | 136  | 63746    | 20.000  | ng    | -0.01    |
| 39) Acenaphthene-d10          | 14.991 | 164  | 46325    | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10          | 17.729 | 188  | 123522   | 20.000  | ng    | -0.01    |
| 76) Chrysene-d12              | 22.041 | 240  | 115114   | 20.000  | ng    | -0.02    |
| 86) Perylene-d12              | 25.554 | 264  | 117800   | 20.000  | ng    | -0.03    |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.898  | 112  | 123156   | 136.862 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.519  | 99   | 165256   | 126.927 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.558  | 82   | 124510   | 96.560  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.478 | 330  | 83083    | 135.930 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.617 | 172  | 289323   | 83.934  | ng    | -0.01    |
| 79) Terphenyl-d14             | 20.302 | 244  | 573542   | 87.147  | ng    | -0.01    |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 4) n-Nitrosodimethylamine     | 3.836  | 42   | 40665    | 92.142  | ng    | # 1      |
| 16) 2,2'-oxybis(1-Chloropr... | 8.888  | 45   | 73       | 5.493   | ng    | 61       |
| 19) n-Nitroso-di-n-propyla... | 9.558  | 70   | 17561    | 21.685  | ng    | # 84     |
| 48) 2-Nitroaniline            | 13.611 | 65   | 511      | 5.336   | ng    | # 1      |
| 51) 2,6-Dinitrotoluene        | 14.991 | 165  | 6045     | 8.908   | ng    | # 21     |
| 57) 2,4-Dinitrotoluene        | 14.991 | 165  | 6045     | 6.541   | ng    | # 21     |
| 63) Azobenzene                | 16.331 | 77   | 21031    | 6.308   | ng    | # 1      |
| 65) 4,6-Dinitro-2-methylph... | 16.466 | 198  | 199      | 5.156   | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 16.472 | 248  | 5724     | 3.853   | ng    | # 1      |
| 77) Benzidine                 | 20.302 | 184  | 9918     | 5.718   | ng    | # 90     |
| 80) Butylbenzylphthalate      | 20.960 | 149  | 57       | 3.240   | ng    | # 25     |
| 84) Bis(2-ethylhexyl)phtha... | 21.876 | 149  | 705      | 3.737   | ng    | # 53     |
| -----                         |        |      |          |         |       |          |

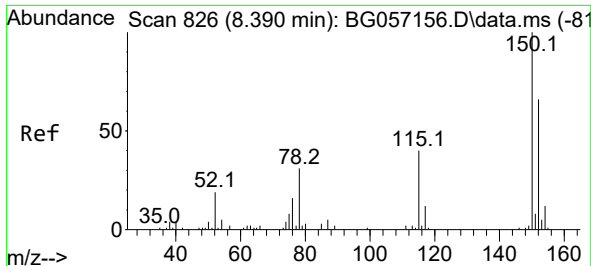
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG042523\  
Data File : BG057177.D  
Acq On : 25 Apr 2023 15:20  
Operator : CG/JU  
Sample : 02423-12  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
SPE-1WC-23-04-18

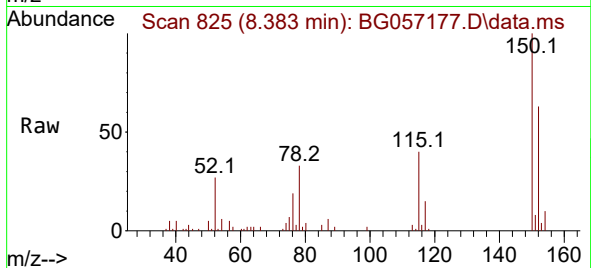
Quant Time: Apr 26 00:22:57 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG042423.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Apr 25 04:59:02 2023  
Response via : Initial Calibration



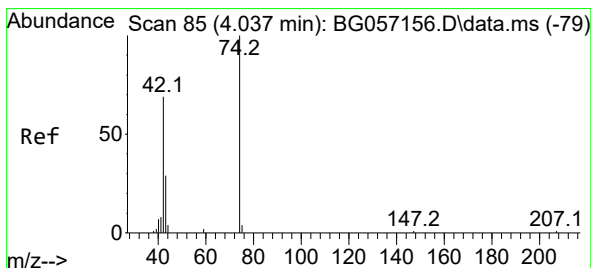
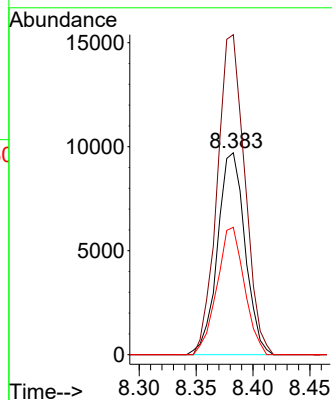
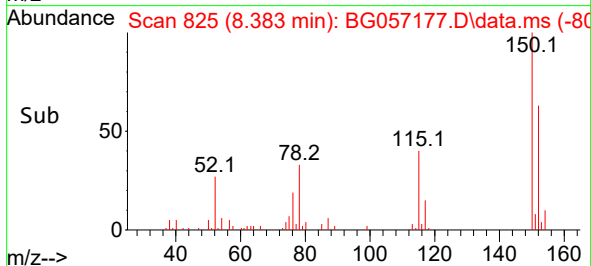


#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.383 min Scan# 81  
Delta R.T. -0.007 min  
Lab File: BG057177.D  
Acq: 25 Apr 2023 15:20

Instrument :  
BNA\_G  
ClientSampleId :  
SPE-1WC-23-04-18

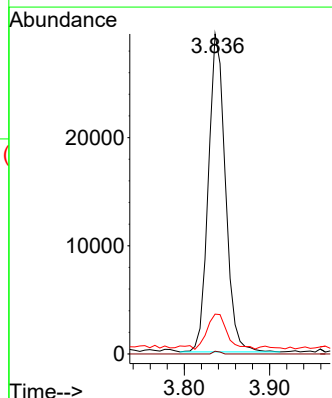
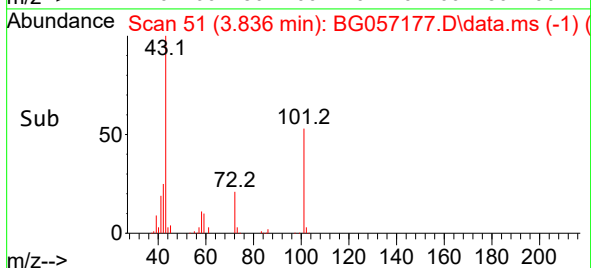
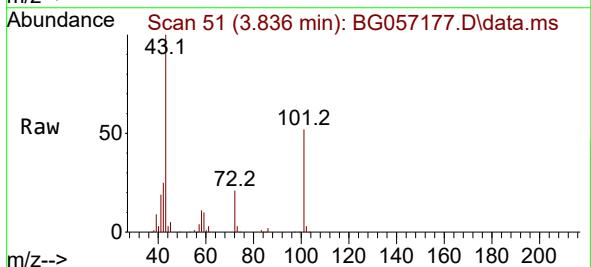


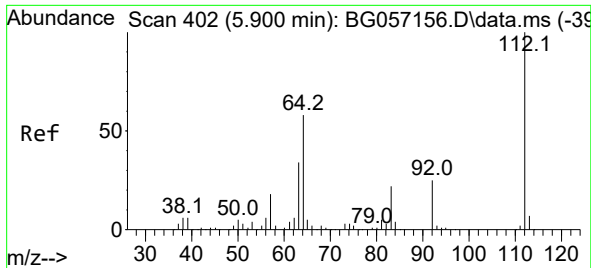
Tgt Ion:152 Resp: 16307  
Ion Ratio Lower Upper  
152 100  
150 158.4 121.4 182.2  
115 63.1 48.1 72.1



#4  
n-Nitrosodimethylamine  
Concen: 92.142 ng  
RT: 3.836 min Scan# 51  
Delta R.T. -0.201 min  
Lab File: BG057177.D  
Acq: 25 Apr 2023 15:20

Tgt Ion: 42 Resp: 40665  
Ion Ratio Lower Upper  
42 100  
74 0.9 115.6 173.4#  
44 12.5 7.1 10.7#

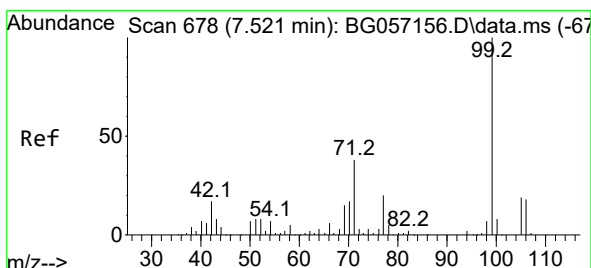
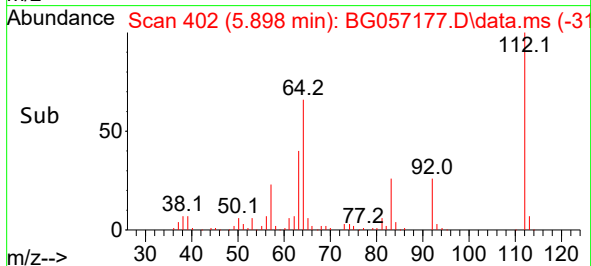
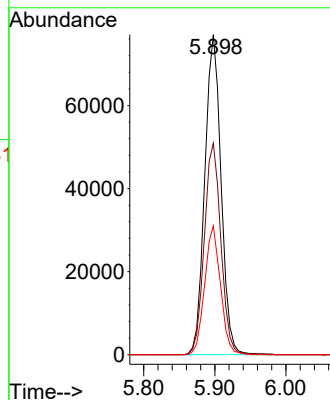
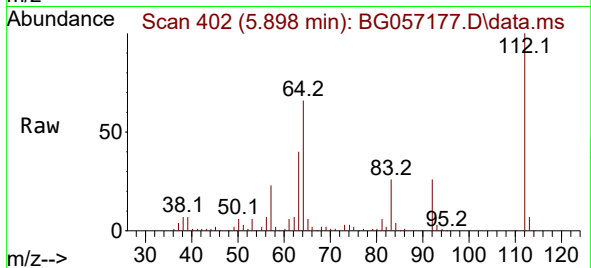




#5  
2-Fluorophenol  
Concen: 136.862 ng  
RT: 5.898 min Scan# 402  
Delta R.T. -0.002 min  
Lab File: BG057177.D  
Acq: 25 Apr 2023 15:20

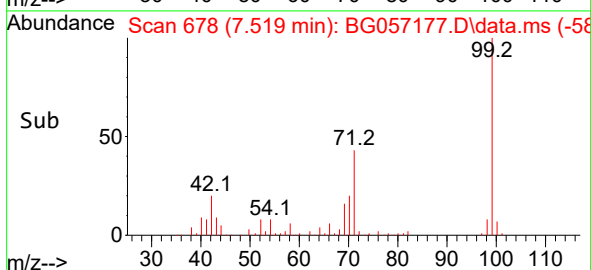
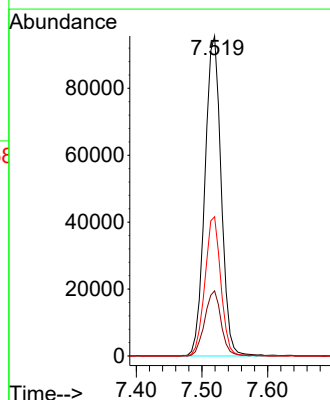
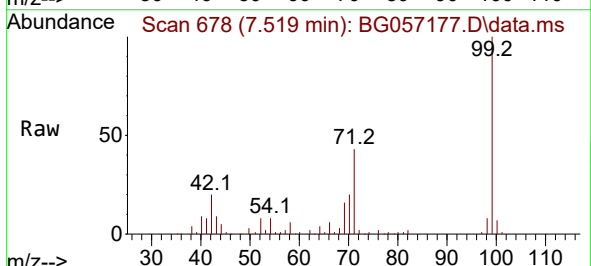
Instrument :  
BNA\_G  
ClientSampleId :  
SPE-1WC-23-04-18

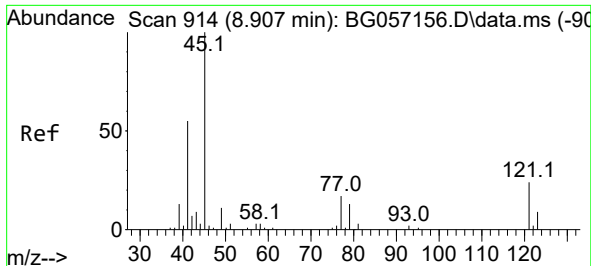
Tgt Ion:112 Resp: 123156  
Ion Ratio Lower Upper  
112 100  
64 66.1 46.7 70.1  
63 40.2 26.9 40.3



#7  
Phenol-d6  
Concen: 126.927 ng  
RT: 7.519 min Scan# 678  
Delta R.T. -0.002 min  
Lab File: BG057177.D  
Acq: 25 Apr 2023 15:20

Tgt Ion: 99 Resp: 165256  
Ion Ratio Lower Upper  
99 100  
42 20.3 13.4 20.0#  
71 43.5 30.2 45.2

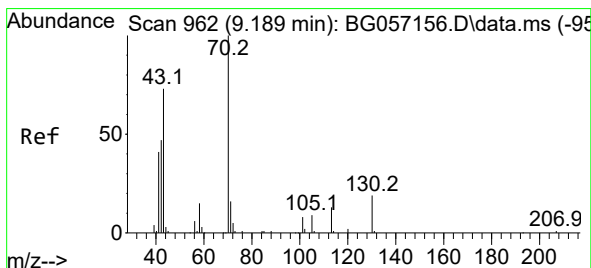
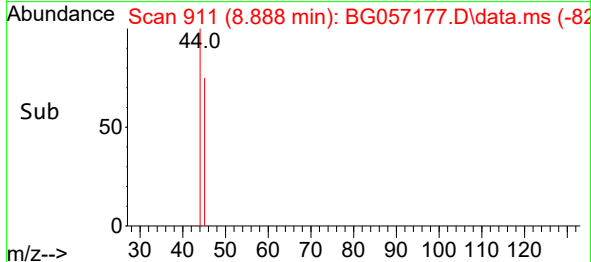
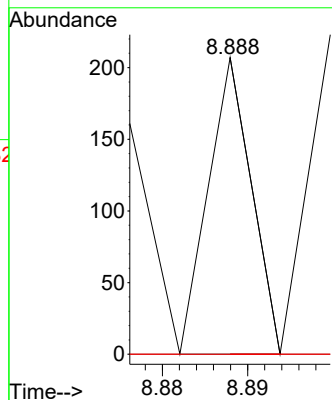
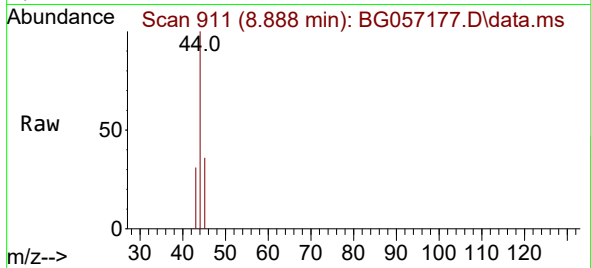




#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 5.493 ng  
RT: 8.888 min Scan# 91  
Delta R.T. -0.019 min  
Lab File: BG057177.D  
Acq: 25 Apr 2023 15:20

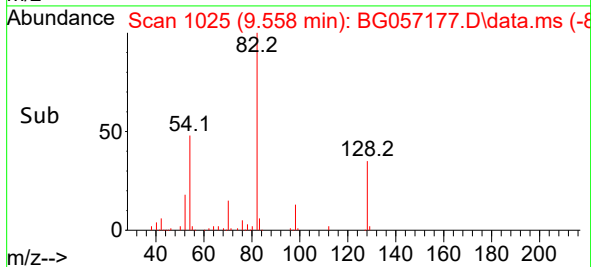
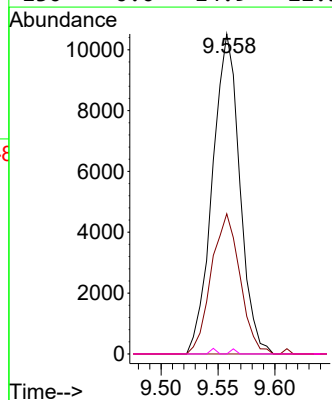
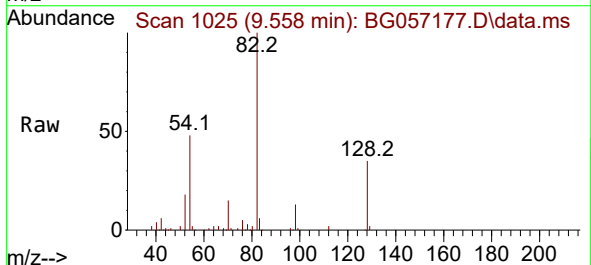
Instrument :  
BNA\_G  
ClientSampleId :  
SPE-1WC-23-04-18

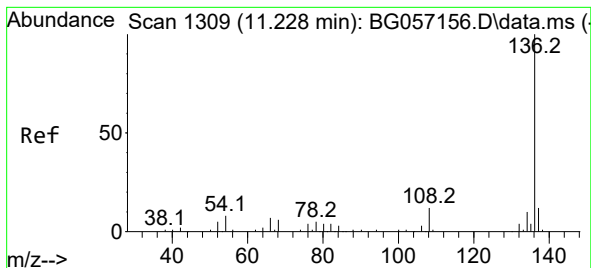
|             |              |
|-------------|--------------|
| Tgt Ion: 45 | Resp: 73     |
| Ion Ratio   | Lower Upper  |
| 45          | 100          |
| 77          | 0.0 0.0 38.7 |
| 79          | 0.0 0.0 34.9 |



#19  
n-Nitroso-di-n-propylamine  
Concen: 21.685 ng  
RT: 9.558 min Scan# 1025  
Delta R.T. 0.369 min  
Lab File: BG057177.D  
Acq: 25 Apr 2023 15:20

|             |                |
|-------------|----------------|
| Tgt Ion: 70 | Resp: 17561    |
| Ion Ratio   | Lower Upper    |
| 70          | 100            |
| 42          | 43.8 38.0 57.0 |
| 101         | 0.0 6.6 9.8#   |
| 130         | 0.0 14.9 22.3# |





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.214 min Scan# 11

Delta R.T. -0.013 min

Lab File: BG057177.D

Acq: 25 Apr 2023 15:20

Instrument :

BNA\_G

ClientSampleId :

SPE-1WC-23-04-18

Tgt Ion:136 Resp: 63746

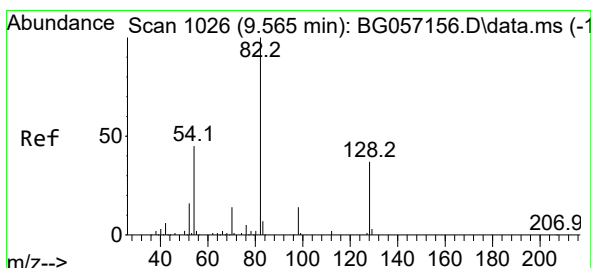
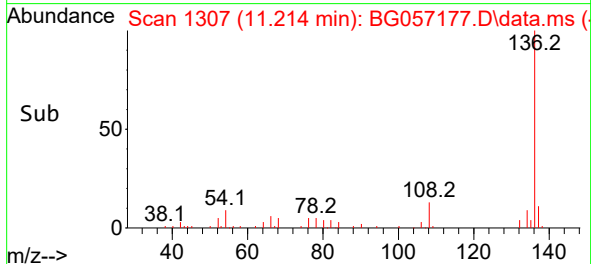
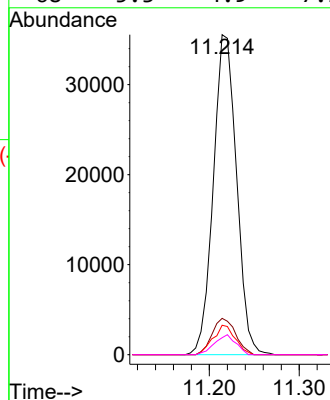
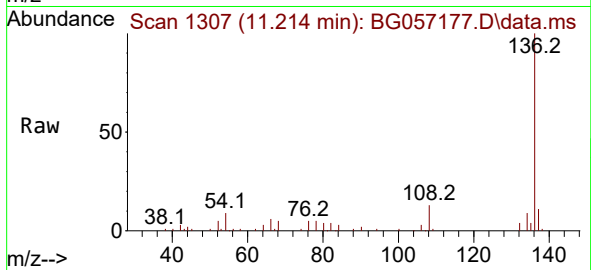
Ion Ratio Lower Upper

136 100

137 11.3 9.5 14.3

54 9.2 6.4 9.6

68 5.3 4.9 7.3



#23

Nitrobenzene-d5

Concen: 96.560 ng

RT: 9.558 min Scan# 1025

Delta R.T. -0.007 min

Lab File: BG057177.D

Acq: 25 Apr 2023 15:20

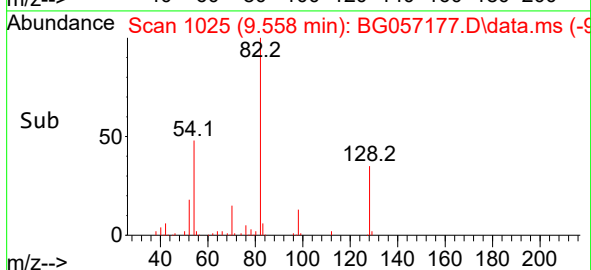
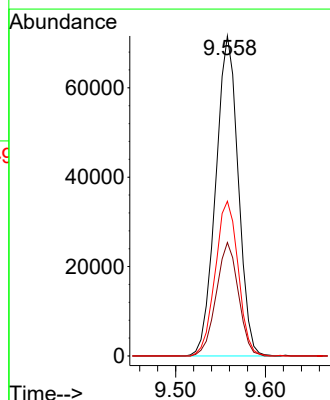
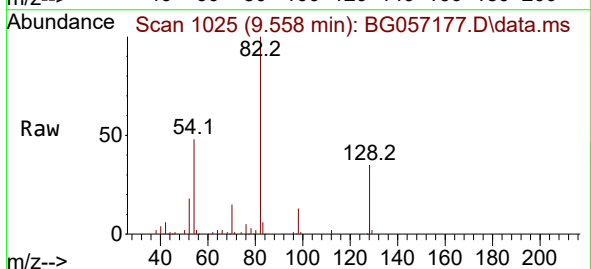
Tgt Ion: 82 Resp: 124510

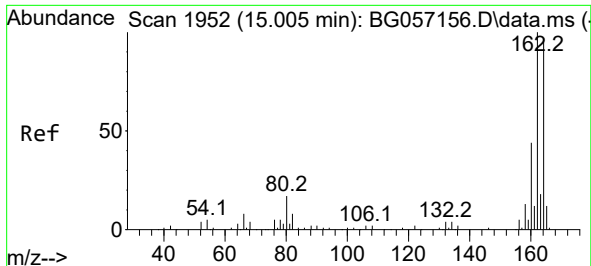
Ion Ratio Lower Upper

82 100

128 35.5 29.4 44.2

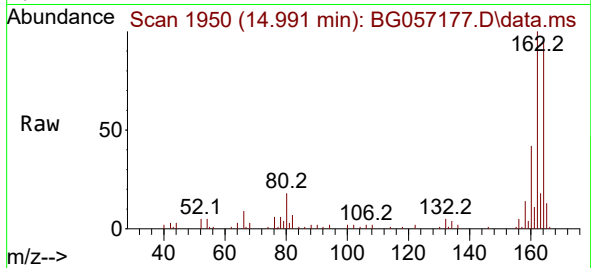
54 48.4 36.2 54.2



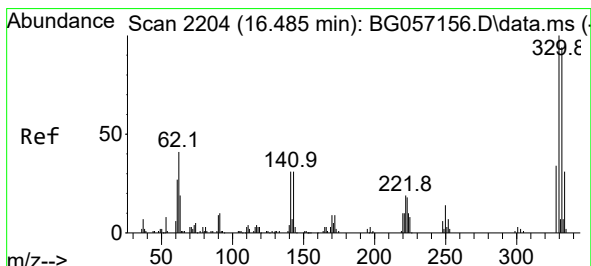
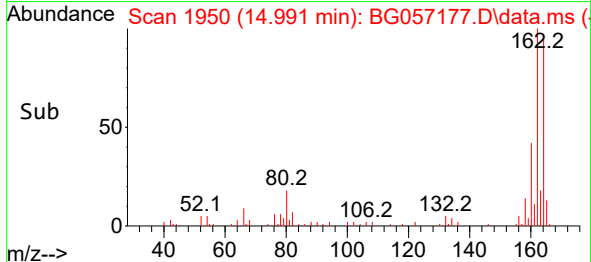
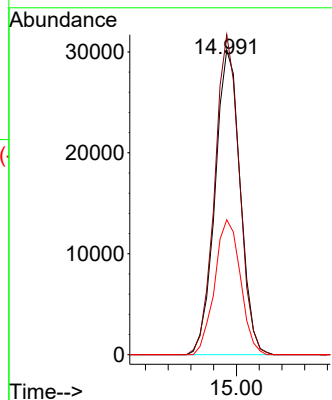


#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.991 min Scan# 1950  
Delta R.T. -0.014 min  
Lab File: BG057177.D  
Acq: 25 Apr 2023 15:20

Instrument :  
BNA\_G  
ClientSampleId :  
SPE-1WC-23-04-18

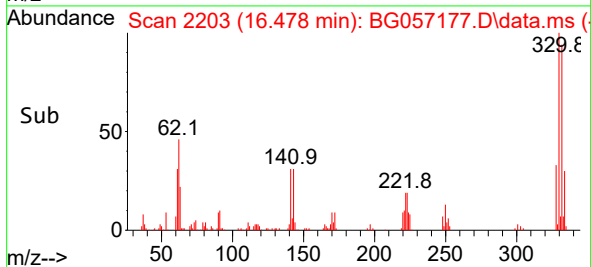
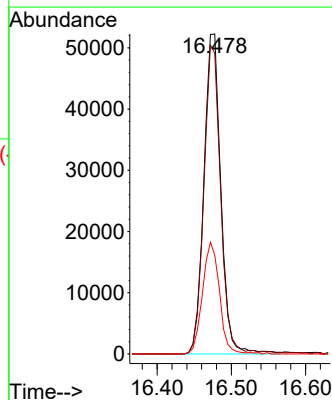
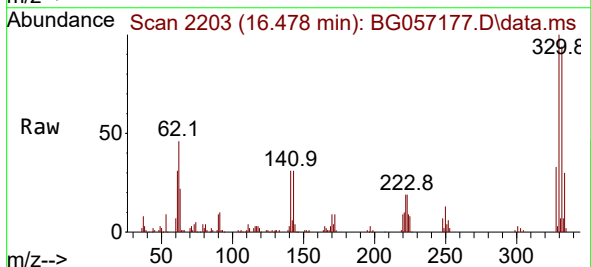


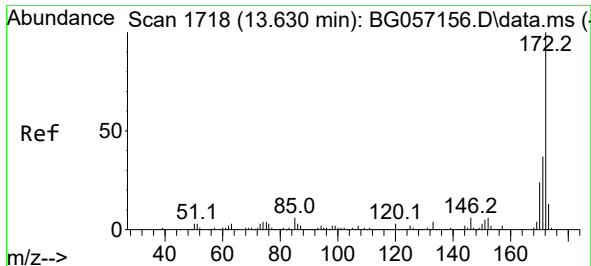
Tgt Ion:164 Resp: 46325  
Ion Ratio Lower Upper  
164 100  
162 105.0 82.4 123.6  
160 44.3 36.2 54.2



#42  
2,4,6-Tribromophenol  
Concen: 135.930 ng  
RT: 16.478 min Scan# 2203  
Delta R.T. -0.008 min  
Lab File: BG057177.D  
Acq: 25 Apr 2023 15:20

Tgt Ion:330 Resp: 83083  
Ion Ratio Lower Upper  
330 100  
332 95.5 77.6 116.4  
141 35.0 26.0 39.0

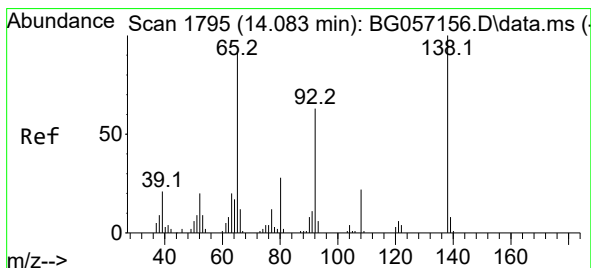
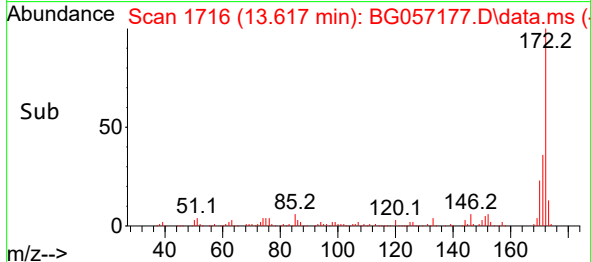
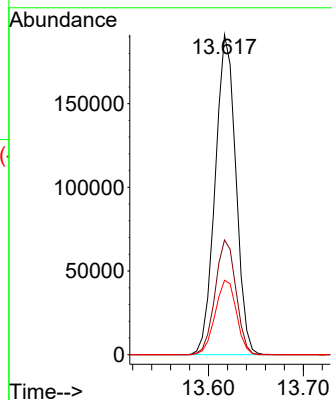
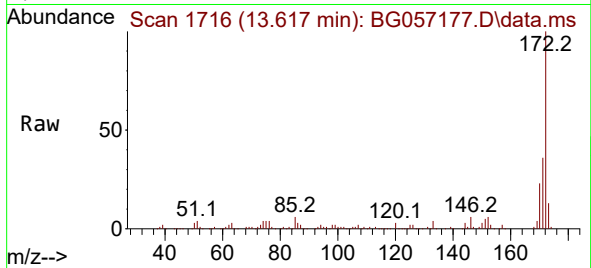




#45  
2-Fluorobiphenyl  
Concen: 83.934 ng  
RT: 13.617 min Scan# 1716  
Delta R.T. -0.013 min  
Lab File: BG057177.D  
Acq: 25 Apr 2023 15:20

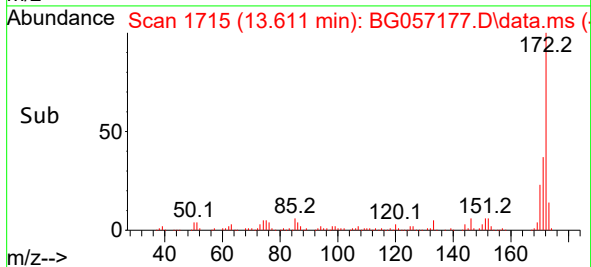
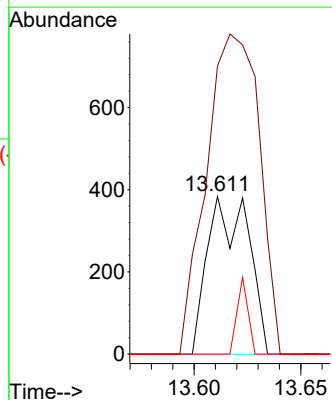
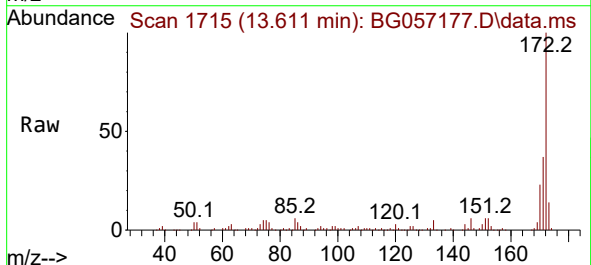
Instrument :  
BNA\_G  
ClientSampleId :  
SPE-1WC-23-04-18

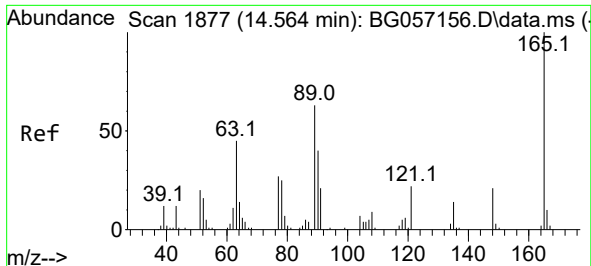
Tgt Ion:172 Resp: 289323  
Ion Ratio Lower Upper  
172 100  
171 35.9 29.2 43.8  
170 23.2 19.4 29.2



#48  
2-Nitroaniline  
Concen: 5.336 ng  
RT: 13.611 min Scan# 1715  
Delta R.T. -0.472 min  
Lab File: BG057177.D  
Acq: 25 Apr 2023 15:20

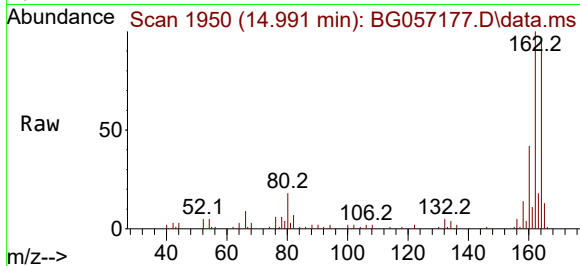
Tgt Ion: 65 Resp: 511  
Ion Ratio Lower Upper  
65 100  
92 182.6 54.9 82.3#  
138 0.0 86.6 129.8#



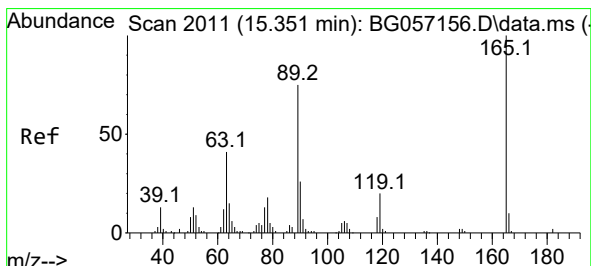
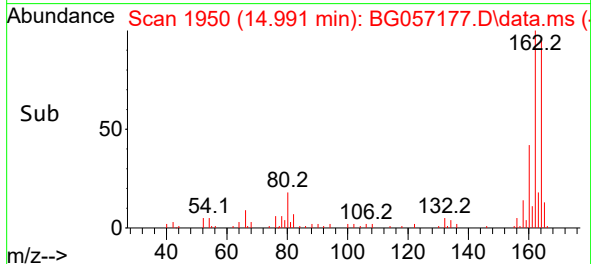
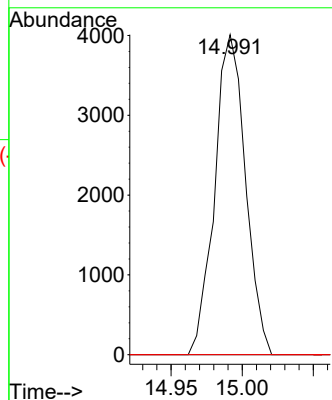


#51  
2,6-Dinitrotoluene  
Concen: 8.908 ng  
RT: 14.991 min Scan# 1950  
Delta R.T. 0.427 min  
Lab File: BG057177.D  
Acq: 25 Apr 2023 15:20

Instrument :  
BNA\_G  
ClientSampleId :  
SPE-1WC-23-04-18

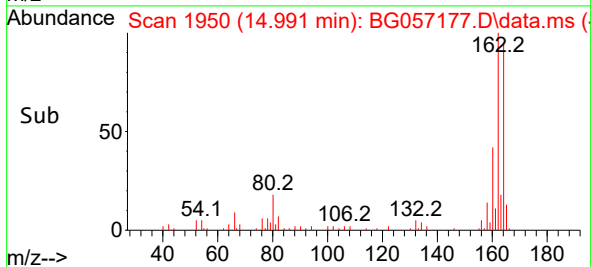
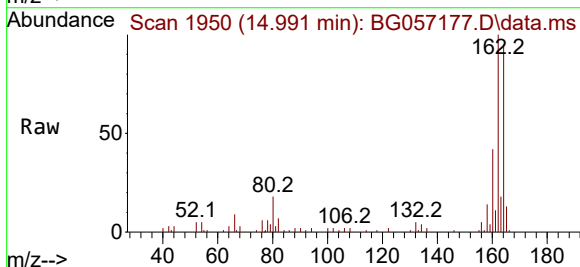
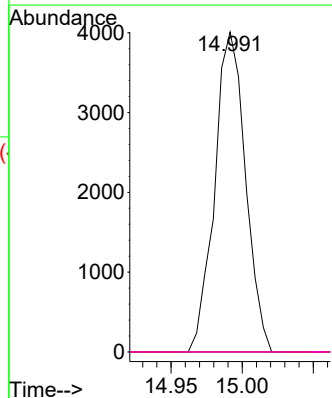


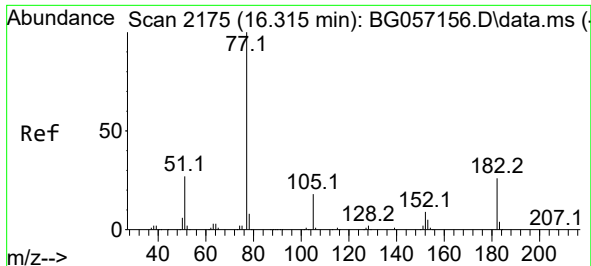
Tgt Ion:165 Resp: 6045  
Ion Ratio Lower Upper  
165 100  
63 0.0 45.5 68.3#  
89 0.0 50.1 75.1#



#57  
2,4-Dinitrotoluene  
Concen: 6.541 ng  
RT: 14.991 min Scan# 1950  
Delta R.T. -0.360 min  
Lab File: BG057177.D  
Acq: 25 Apr 2023 15:20

Tgt Ion:165 Resp: 6045  
Ion Ratio Lower Upper  
165 100  
63 0.0 33.0 49.4#  
89 0.0 60.0 90.0#  
182 0.0 1.8 2.6#

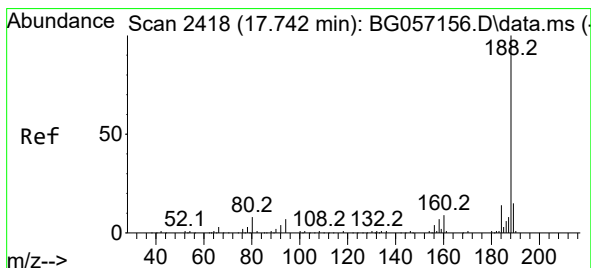
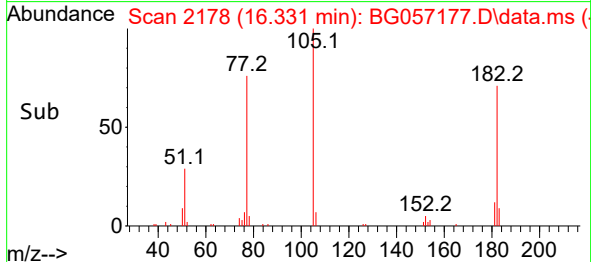
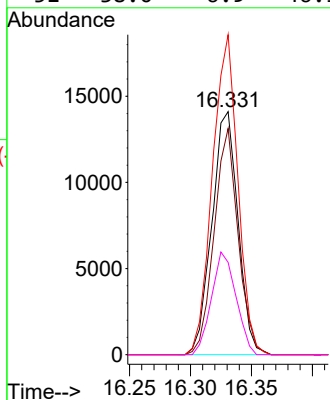
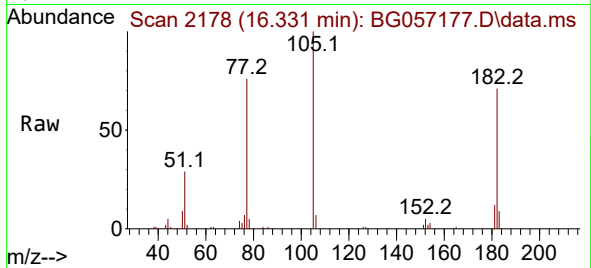




#63  
 Azobenzene  
 Concen: 6.308 ng  
 RT: 16.331 min Scan# 2175  
 Delta R.T. 0.016 min  
 Lab File: BG057177.D  
 Acq: 25 Apr 2023 15:20

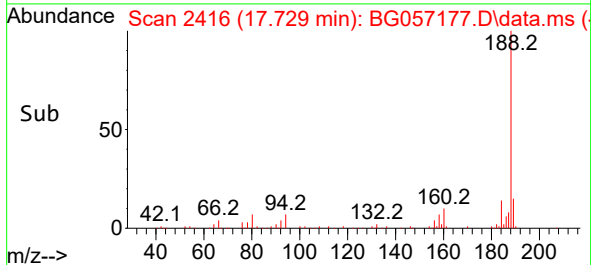
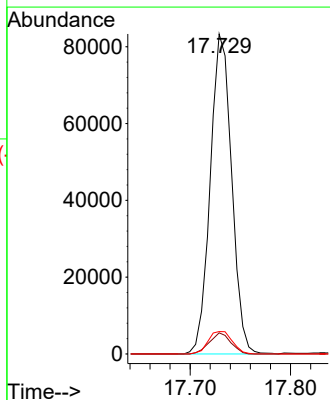
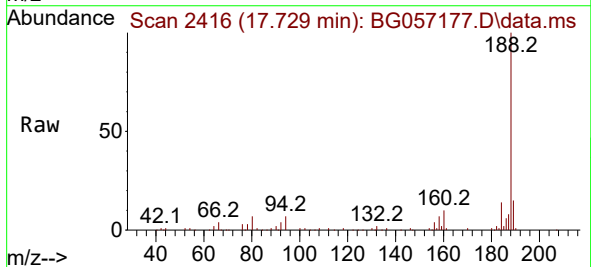
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SPE-1WC-23-04-18

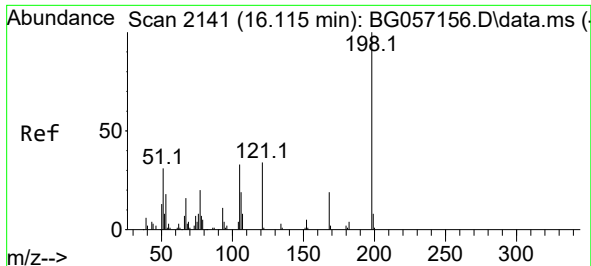
Tgt Ion: 77 Resp: 21031  
 Ion Ratio Lower Upper  
 77 100  
 182 93.0 6.1 46.1#  
 105 131.6 0.0 38.4#  
 51 38.0 6.9 46.9



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.729 min Scan# 2416  
 Delta R.T. -0.013 min  
 Lab File: BG057177.D  
 Acq: 25 Apr 2023 15:20

Tgt Ion: 188 Resp: 123522  
 Ion Ratio Lower Upper  
 188 100  
 94 6.6 5.4 8.0  
 80 7.0 6.2 9.2

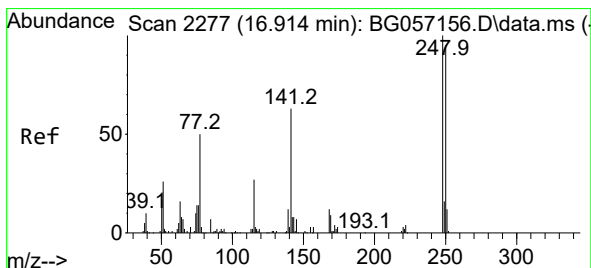
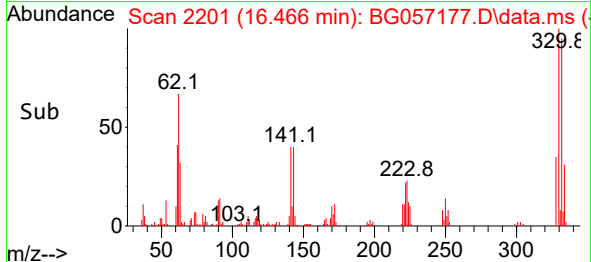
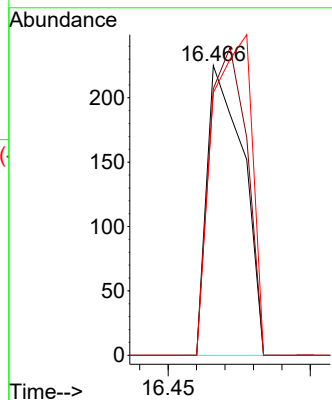
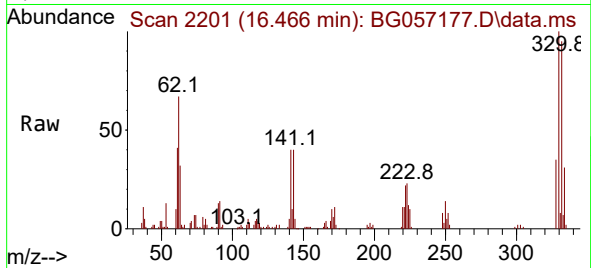




#65  
4,6-Dinitro-2-methylphenol  
Concen: 5.156 ng  
RT: 16.466 min Scan# 2141  
Delta R.T. 0.351 min  
Lab File: BG057177.D  
Acq: 25 Apr 2023 15:20

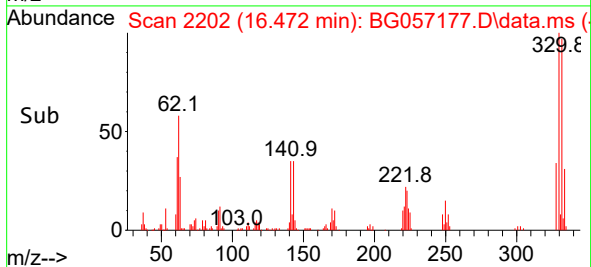
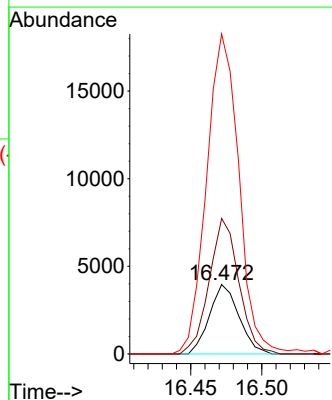
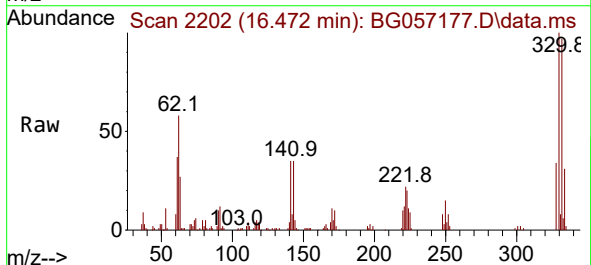
Instrument :  
BNA\_G  
ClientSampleId :  
SPE-1WC-23-04-18

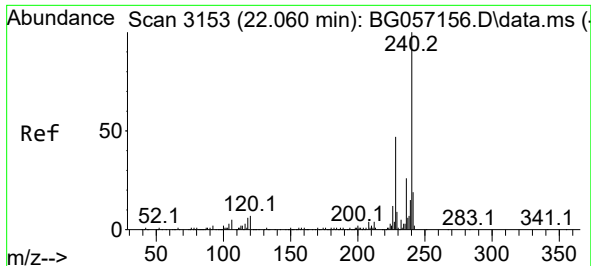
Tgt Ion:198 Resp: 199  
Ion Ratio Lower Upper  
198 100  
51 92.0 13.1 53.1#  
105 90.7 14.1 54.1#



#67  
4-Bromophenyl-phenylether  
Concen: 3.853 ng  
RT: 16.472 min Scan# 2202  
Delta R.T. -0.442 min  
Lab File: BG057177.D  
Acq: 25 Apr 2023 15:20

Tgt Ion:248 Resp: 5724  
Ion Ratio Lower Upper  
248 100  
250 195.1 75.8 113.8#  
141 460.7 50.1 75.1#

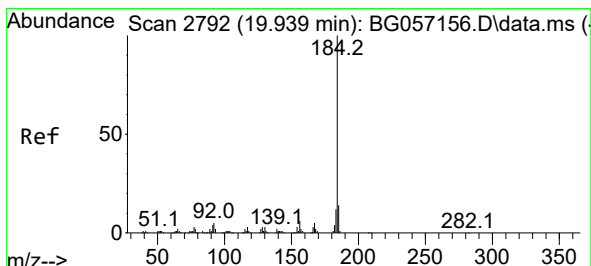
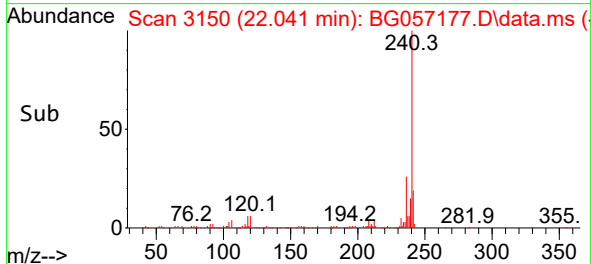
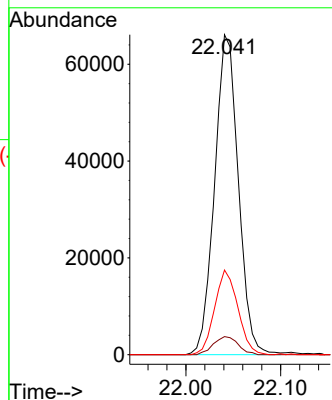
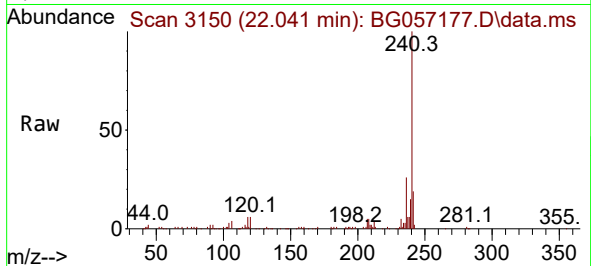




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 22.041 min Scan# 3153  
Delta R.T. -0.019 min  
Lab File: BG057177.D  
Acq: 25 Apr 2023 15:20

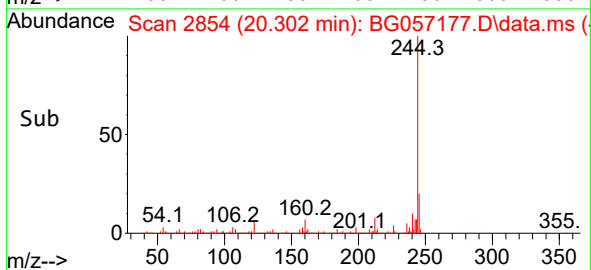
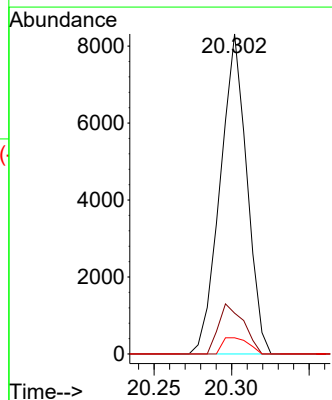
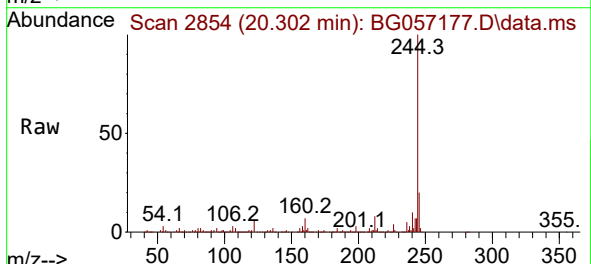
Instrument :  
BNA\_G  
ClientSampleId :  
SPE-1WC-23-04-18

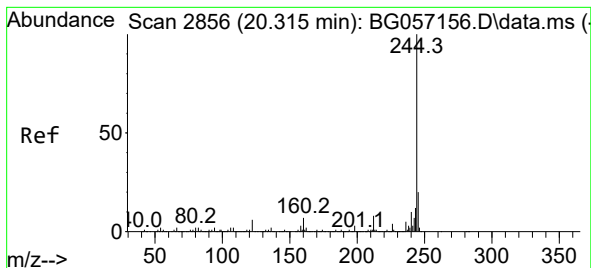
Tgt Ion:240 Resp: 115114  
Ion Ratio Lower Upper  
240 100  
120 5.7 5.5 8.3  
236 26.4 20.8 31.2



#77  
Benzidine  
Concen: 5.718 ng  
RT: 20.302 min Scan# 2854  
Delta R.T. 0.363 min  
Lab File: BG057177.D  
Acq: 25 Apr 2023 15:20

Tgt Ion:184 Resp: 9918  
Ion Ratio Lower Upper  
184 100  
185 12.8 11.3 16.9  
183 5.1 9.4 14.0#





#79

Terphenyl-d14

Concen: 87.147 ng

RT: 20.302 min Scan# 21

Delta R.T. -0.013 min

Lab File: BG057177.D

Acq: 25 Apr 2023 15:20

Instrument :

BNA\_G

ClientSampleId :

SPE-1WC-23-04-18

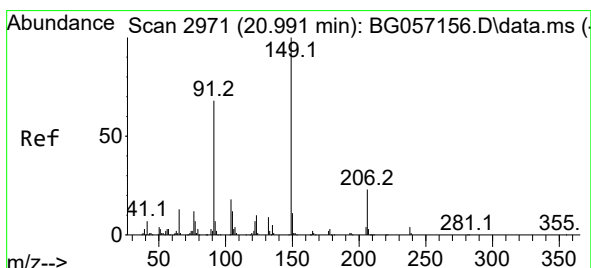
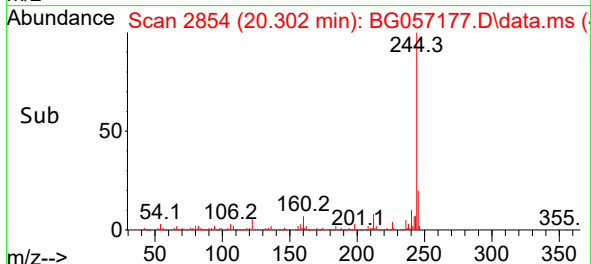
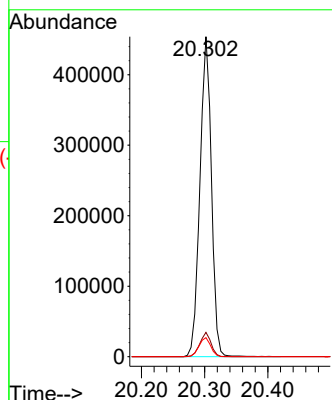
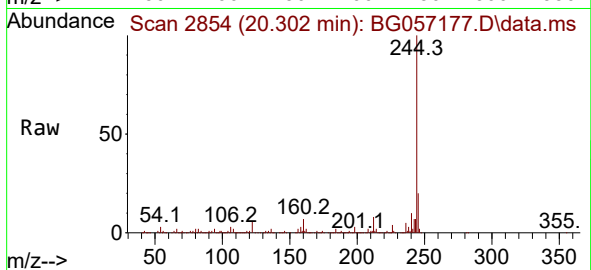
Tgt Ion:244 Resp: 573542

Ion Ratio Lower Upper

244 100

212 7.6 6.0 9.0

122 5.9 5.0 7.4



#80

Butylbenzylphthalate

Concen: 3.240 ng

RT: 20.960 min Scan# 2966

Delta R.T. -0.031 min

Lab File: BG057177.D

Acq: 25 Apr 2023 15:20

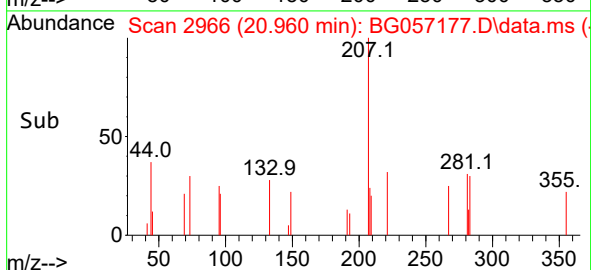
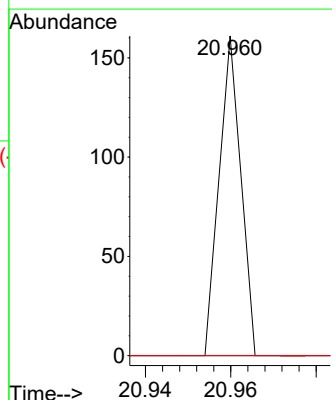
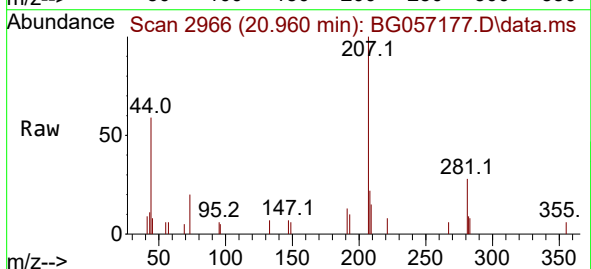
Tgt Ion:149 Resp: 57

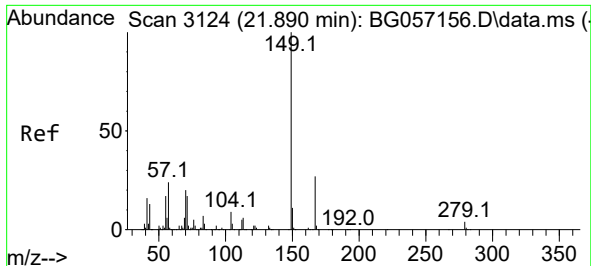
Ion Ratio Lower Upper

149 100

91 0.0 54.1 81.1#

206 0.0 18.2 27.2#

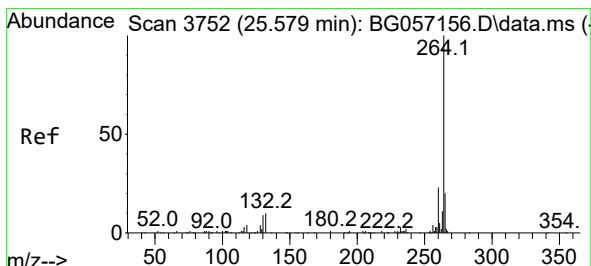
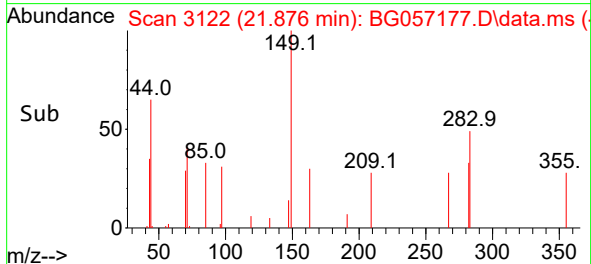
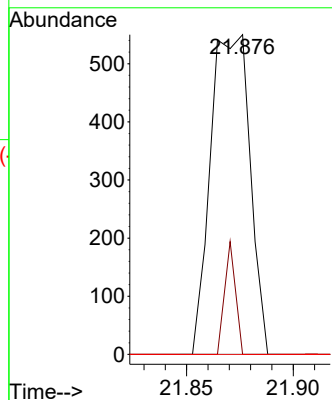
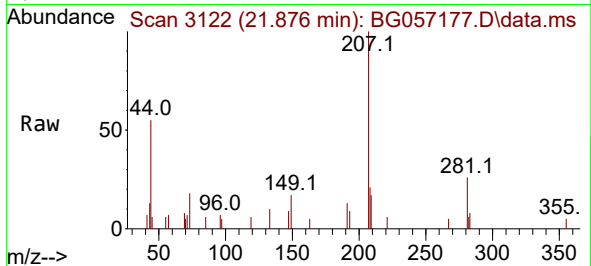




#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 3.737 ng  
 RT: 21.876 min Scan# 3124  
 Delta R.T. -0.014 min  
 Lab File: BG057177.D  
 Acq: 25 Apr 2023 15:20

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SPE-1WC-23-04-18

Tgt Ion:149 Resp: 705  
 Ion Ratio Lower Upper  
 149 100  
 167 0.0 21.9 32.9#  
 279 0.0 3.3 4.9#



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 25.554 min Scan# 3748  
 Delta R.T. -0.025 min  
 Lab File: BG057177.D  
 Acq: 25 Apr 2023 15:20

Tgt Ion:264 Resp: 117800  
 Ion Ratio Lower Upper  
 264 100  
 260 23.9 18.8 28.2  
 265 21.0 16.4 24.6

