

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG081023\  
 Data File : BG058686.D  
 Acq On : 10 Aug 2023 19:49  
 Operator : MA/JU  
 Sample : 03954-08  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 WC-17

Quant Time: Aug 11 01:57:29 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG072823.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 28 22:29:07 2023  
 Response via : Initial Calibration

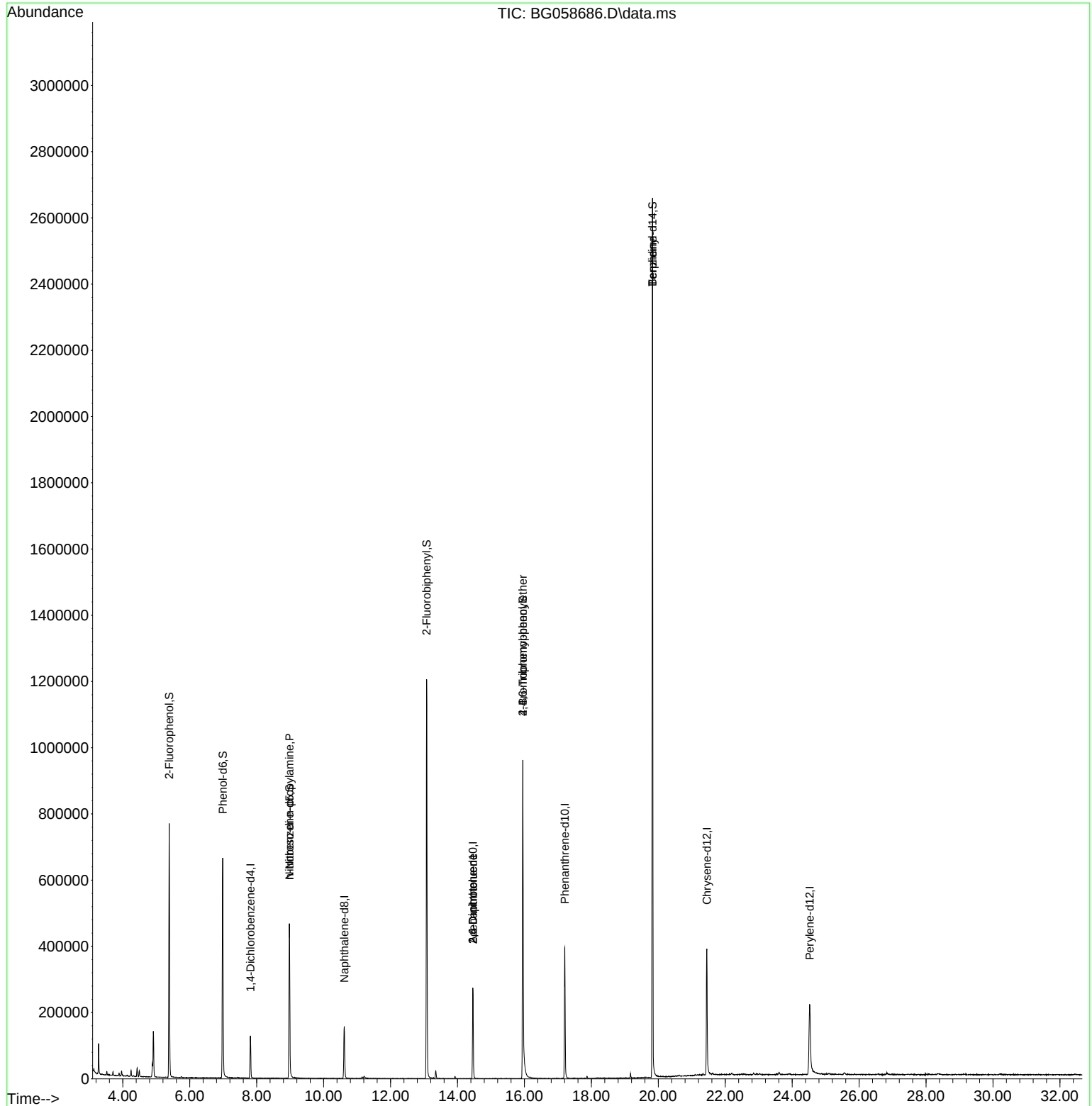
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min)    |
|-------------------------------|--------|------|----------|---------|-------|-------------|
| -----                         |        |      |          |         |       |             |
| Internal Standards            |        |      |          |         |       |             |
| 1) 1,4-Dichlorobenzene-d4     | 7.813  | 152  | 35719    | 20.000  | ng    | 0.00        |
| 21) Naphthalene-d8            | 10.615 | 136  | 147968   | 20.000  | ng    | 0.00        |
| 39) Acenaphthene-d10          | 14.458 | 164  | 105211   | 20.000  | ng    | 0.00        |
| 64) Phenanthrene-d10          | 17.208 | 188  | 287137   | 20.000  | ng    | 0.00        |
| 76) Chrysene-d12              | 21.450 | 240  | 263877   | 20.000  | ng    | 0.00        |
| 86) Perylene-d12              | 24.522 | 264  | 285177   | 20.000  | ng    | 0.00        |
| System Monitoring Compounds   |        |      |          |         |       |             |
| 5) 2-Fluorophenol             | 5.386  | 112  | 320181   | 137.009 | ng    | 0.00        |
| 7) Phenol-d6                  | 6.984  | 99   | 411371   | 126.506 | ng    | 0.00        |
| 23) Nitrobenzene-d5           | 8.976  | 82   | 307940   | 102.236 | ng    | 0.00        |
| 42) 2,4,6-Tribromophenol      | 15.950 | 330  | 252407   | 146.367 | ng    | 0.00        |
| 45) 2-Fluorobiphenyl          | 13.077 | 172  | 696302   | 99.179  | ng    | 0.00        |
| 79) Terphenyl-d14             | 19.828 | 244  | 1478288  | 105.351 | ng    | 0.00        |
| Target Compounds              |        |      |          |         |       |             |
| 19) n-Nitroso-di-n-propyla... | 8.976  | 70   | 38240    | 18.206  | ng    | Qvalue # 80 |
| 51) 2,6-Dinitrotoluene        | 14.458 | 165  | 13413    | 7.736   | ng    | # 22        |
| 57) 2,4-Dinitrotoluene        | 14.458 | 165  | 13413    | 5.580   | ng    | # 23        |
| 67) 4-Bromophenyl-phenylether | 15.950 | 248  | 15756    | 4.838   | ng    | # 1         |
| 77) Benzidine                 | 19.828 | 184  | 18377    | 4.593   | ng    | # 90        |
| -----                         |        |      |          |         |       |             |

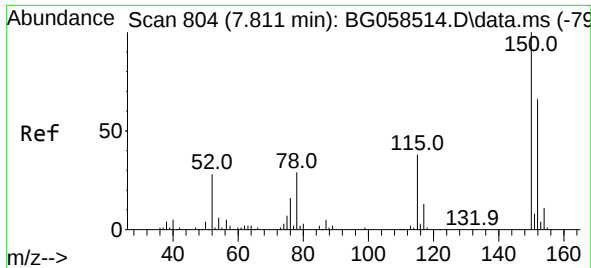
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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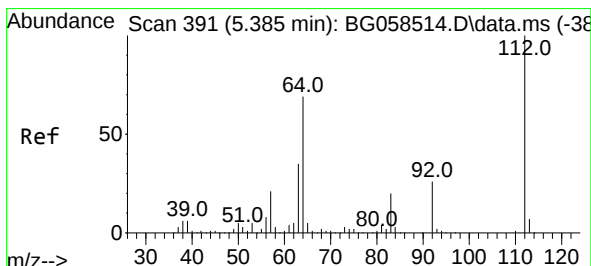
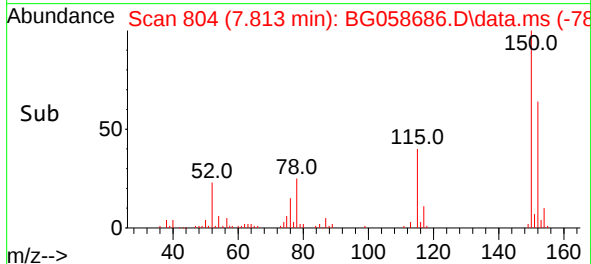
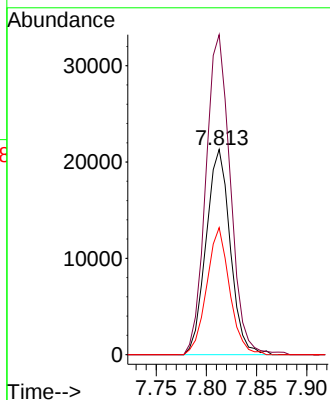
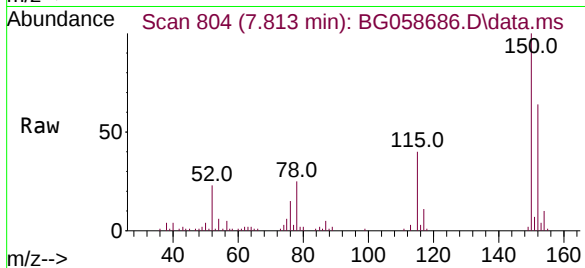




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.813 min Scan# 804  
Delta R.T. 0.002 min  
Lab File: BG058686.D  
Acq: 10 Aug 2023 19:49

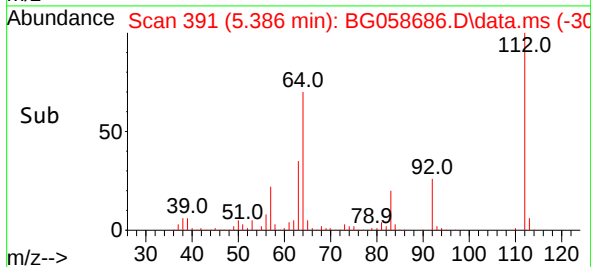
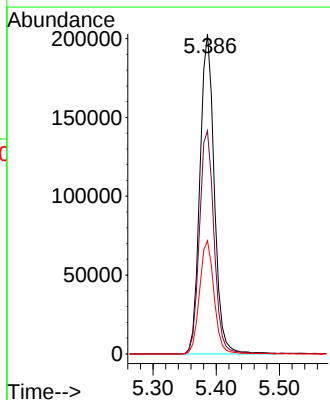
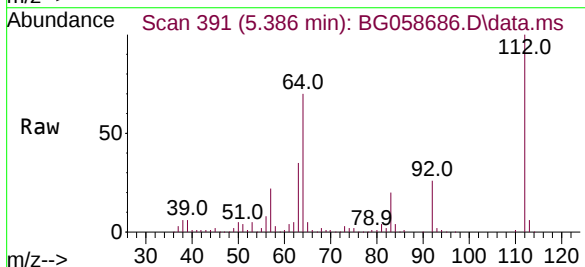
Instrument :  
BNA\_G  
ClientSampleId :  
WC-17

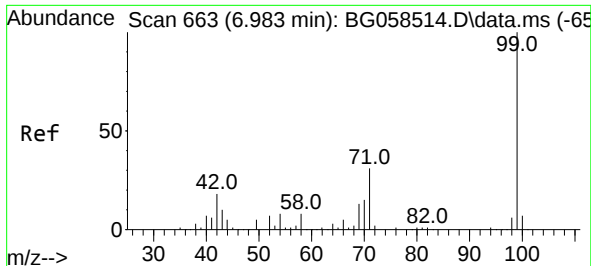
Tgt Ion:152 Resp: 35719  
Ion Ratio Lower Upper  
152 100  
150 155.9 120.5 180.7  
115 61.9 45.9 68.9



#5  
2-Fluorophenol  
Concen: 137.009 ng  
RT: 5.386 min Scan# 391  
Delta R.T. 0.001 min  
Lab File: BG058686.D  
Acq: 10 Aug 2023 19:49

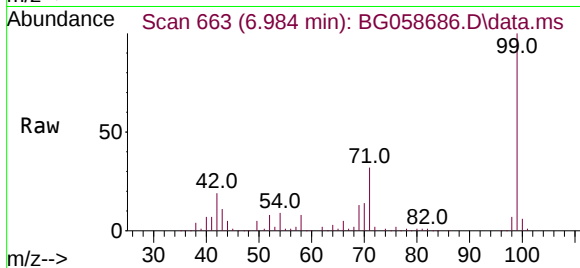
Tgt Ion:112 Resp: 320181  
Ion Ratio Lower Upper  
112 100  
64 69.7 55.3 82.9  
63 35.4 28.3 42.5



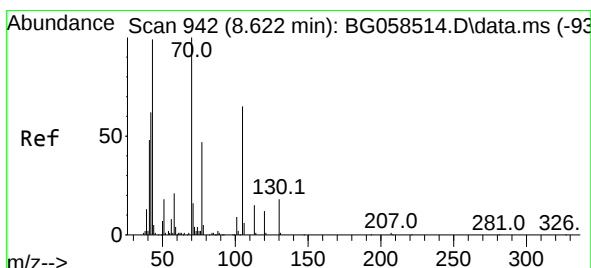
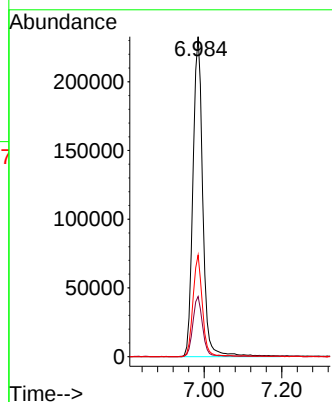
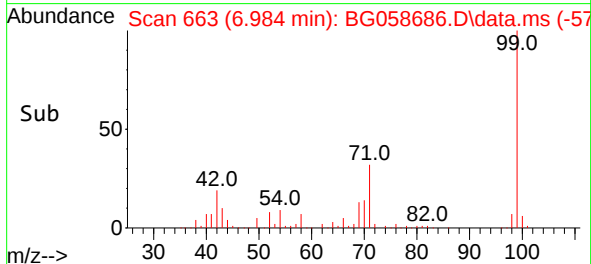


#7  
Phenol-d6  
Concen: 126.506 ng  
RT: 6.984 min Scan# 60  
Delta R.T. 0.001 min  
Lab File: BG058686.D  
Acq: 10 Aug 2023 19:49

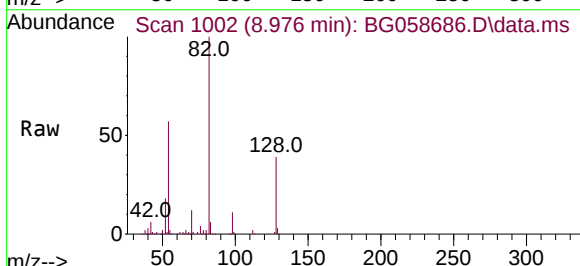
Instrument :  
BNA\_G  
ClientSampleId :  
WC-17



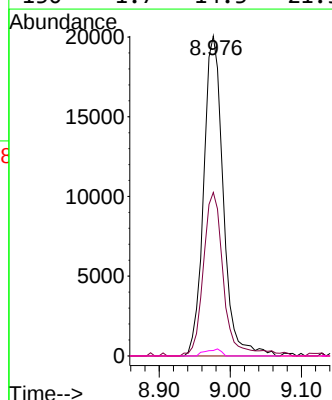
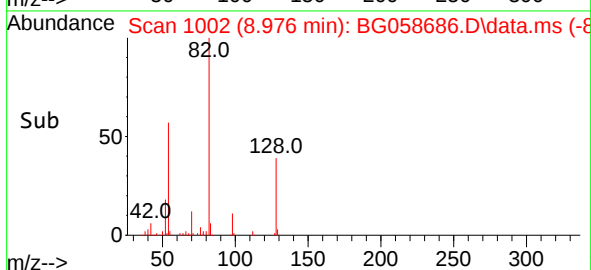
Tgt Ion: 99 Resp: 411371  
Ion Ratio Lower Upper  
99 100  
42 18.8 14.6 21.8  
71 31.7 25.0 37.4

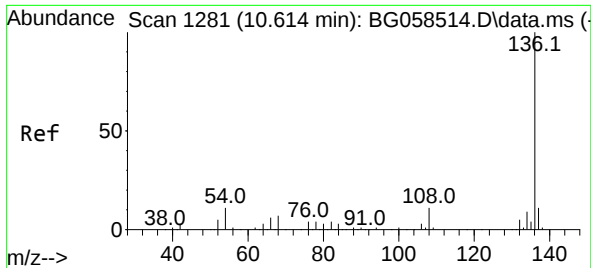


#19  
n-Nitroso-di-n-propylamine  
Concen: 18.206 ng  
RT: 8.976 min Scan# 1002  
Delta R.T. 0.354 min  
Lab File: BG058686.D  
Acq: 10 Aug 2023 19:49



Tgt Ion: 70 Resp: 38240  
Ion Ratio Lower Upper  
70 100  
42 51.1 49.7 74.5  
101 0.0 7.0 10.4#  
130 1.7 14.3 21.5#

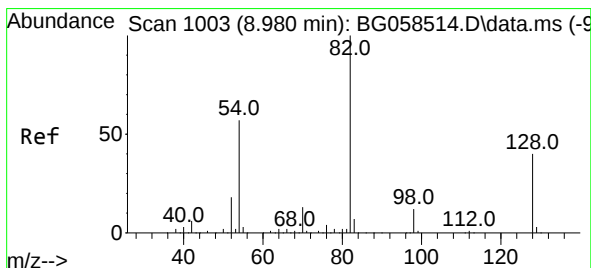
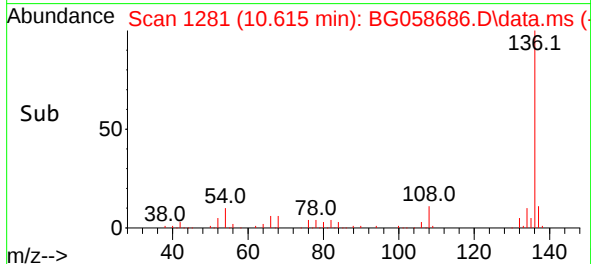
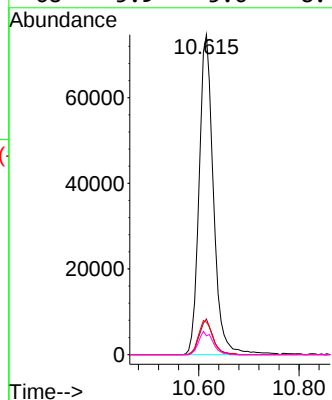
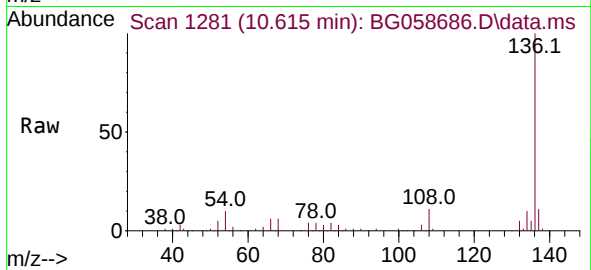




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.615 min Scan# 11  
Delta R.T. 0.001 min  
Lab File: BG058686.D  
Acq: 10 Aug 2023 19:49

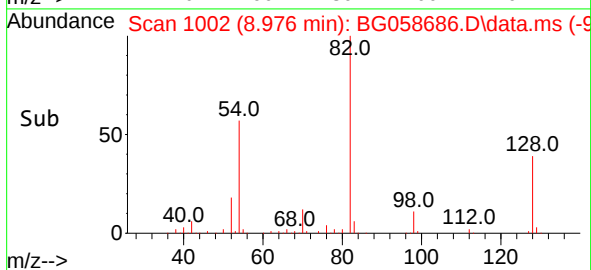
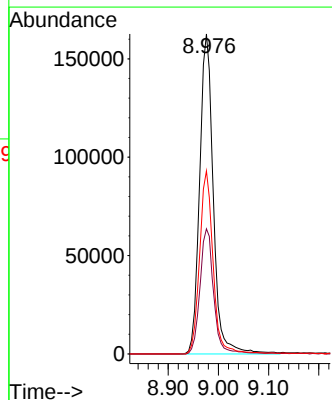
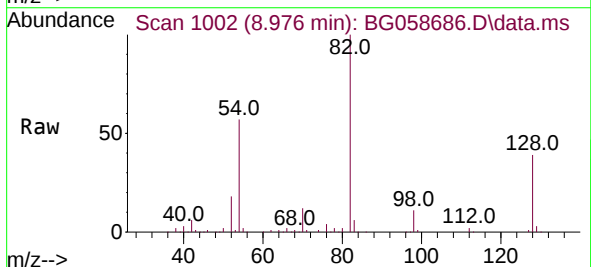
Instrument :  
BNA\_G  
ClientSampleId :  
WC-17

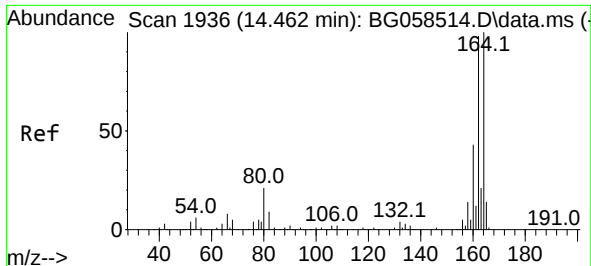
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 147968 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 11.1  | 8.6   | 13.0   |
| 54        | 10.1  | 8.9   | 13.3   |
| 68        | 5.9   | 5.6   | 8.4    |



#23  
Nitrobenzene-d5  
Concen: 102.236 ng  
RT: 8.976 min Scan# 1002  
Delta R.T. -0.004 min  
Lab File: BG058686.D  
Acq: 10 Aug 2023 19:49

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 82    | Resp: | 307940 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 39.1  | 32.2  | 48.2   |
| 54        | 57.2  | 46.0  | 69.0   |

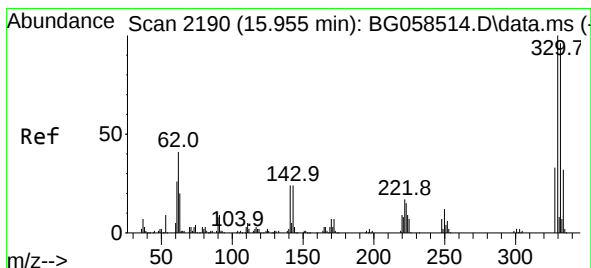
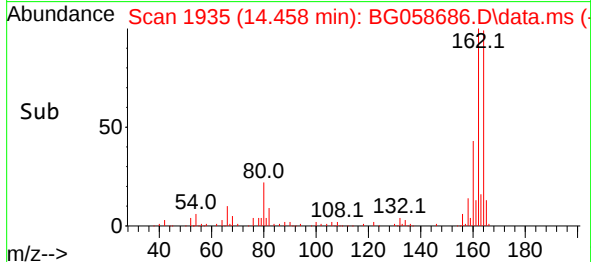
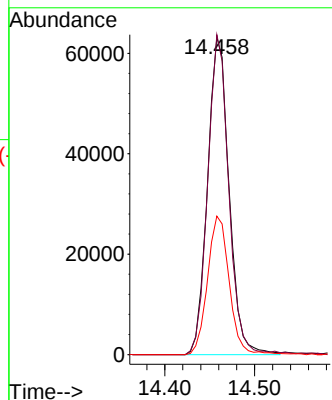
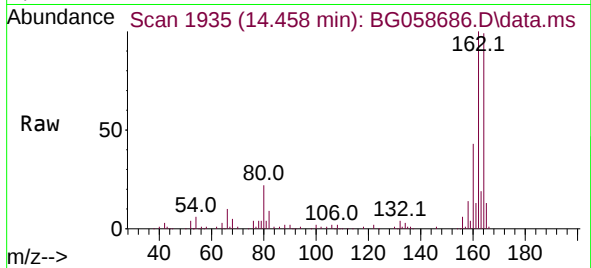




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.458 min Scan# 1936  
Delta R.T. -0.004 min  
Lab File: BG058686.D  
Acq: 10 Aug 2023 19:49

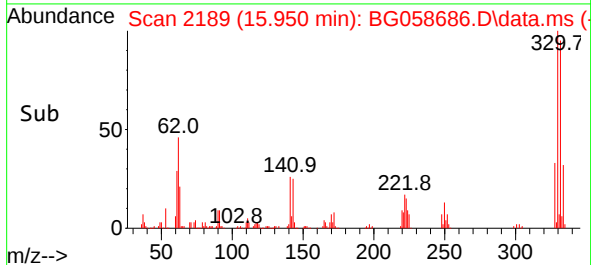
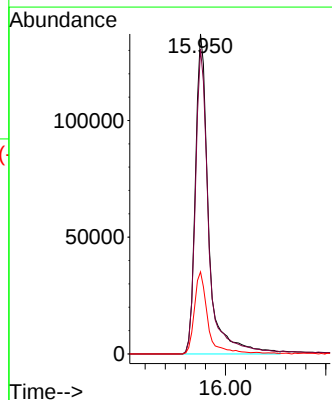
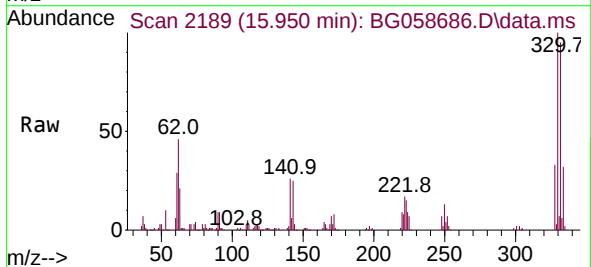
Instrument :  
BNA\_G  
ClientSampleId :  
WC-17

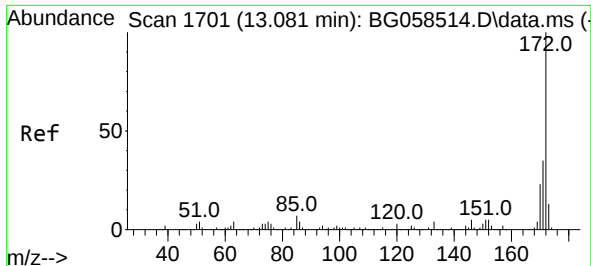
Tgt Ion:164 Resp: 105211  
Ion Ratio Lower Upper  
164 100  
162 100.8 78.3 117.5  
160 43.6 34.1 51.1



#42  
2,4,6-Tribromophenol  
Concen: 146.367 ng  
RT: 15.950 min Scan# 2189  
Delta R.T. -0.004 min  
Lab File: BG058686.D  
Acq: 10 Aug 2023 19:49

Tgt Ion:330 Resp: 252407  
Ion Ratio Lower Upper  
330 100  
332 95.8 77.5 116.3  
141 25.6 20.7 31.1

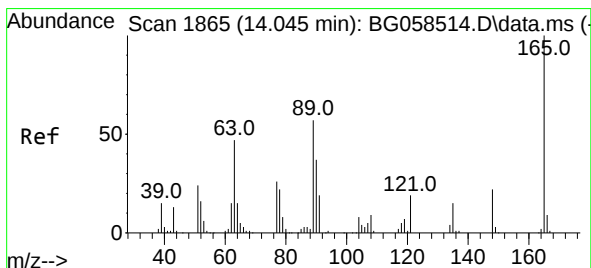
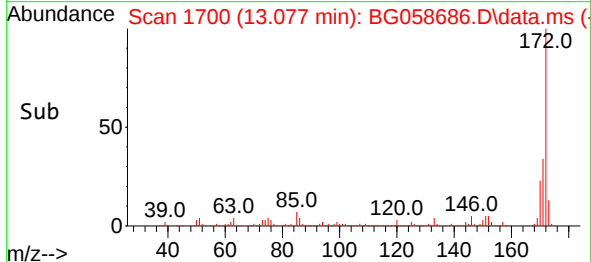
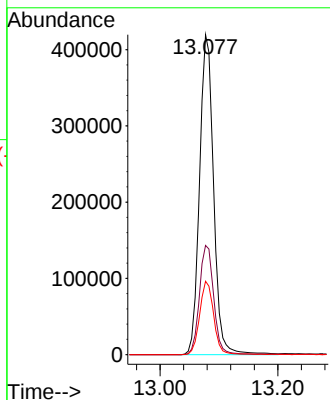
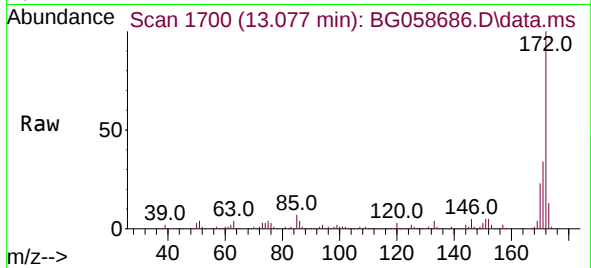




#45  
2-Fluorobiphenyl  
Concen: 99.179 ng  
RT: 13.077 min Scan# 11  
Delta R.T. -0.004 min  
Lab File: BG058686.D  
Acq: 10 Aug 2023 19:49

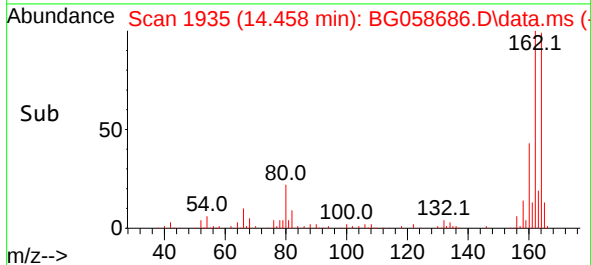
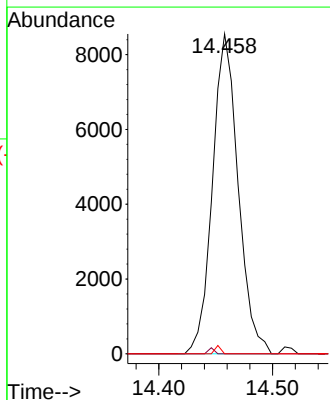
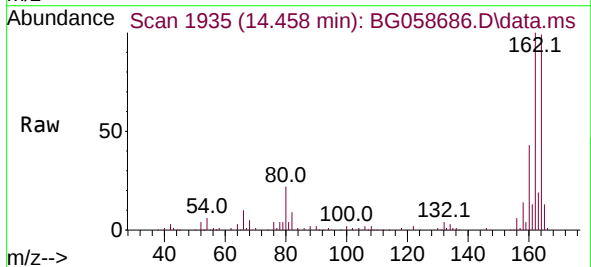
Instrument :  
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ClientSampleId :  
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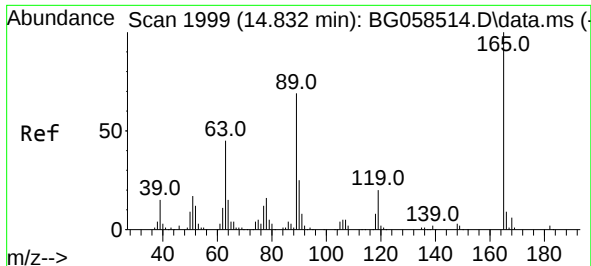
Tgt Ion:172 Resp: 696302  
Ion Ratio Lower Upper  
172 100  
171 34.1 28.0 42.0  
170 22.9 18.4 27.6



#51  
2,6-Dinitrotoluene  
Concen: 7.736 ng  
RT: 14.458 min Scan# 1935  
Delta R.T. 0.413 min  
Lab File: BG058686.D  
Acq: 10 Aug 2023 19:49

Tgt Ion:165 Resp: 13413  
Ion Ratio Lower Upper  
165 100  
63 0.0 46.4 69.6#  
89 0.0 45.3 67.9#





#57

2,4-Dinitrotoluene

Concen: 5.580 ng

RT: 14.458 min Scan# 1999

Delta R.T. -0.374 min

Lab File: BG058686.D

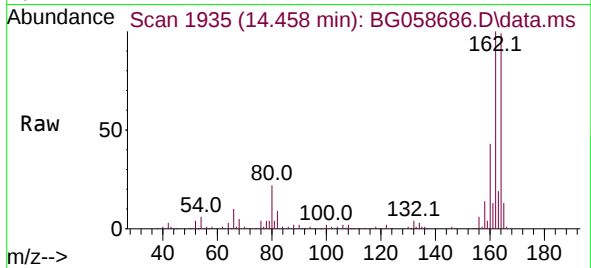
Acq: 10 Aug 2023 19:49

Instrument :

BNA\_G

ClientSampleId :

WC-17



Tgt Ion:165 Resp: 13413

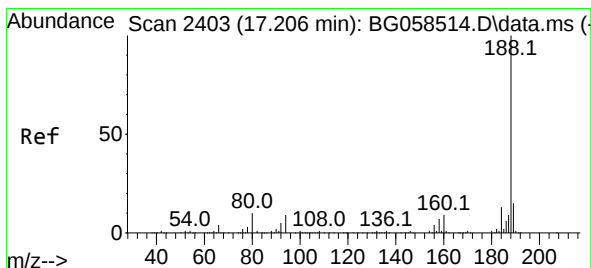
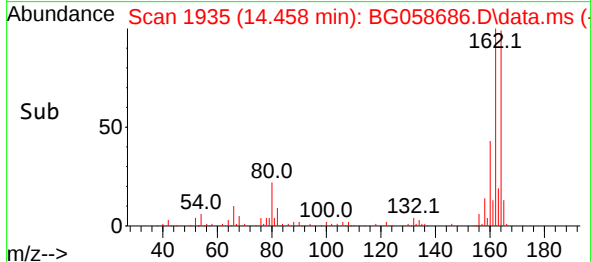
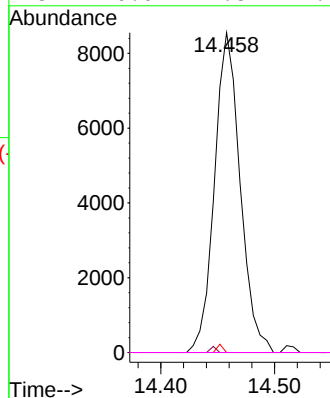
Ion Ratio Lower Upper

165 100

63 0.0 36.6 54.8#

89 0.0 55.4 83.0#

182 0.0 1.8 2.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.208 min Scan# 2403

Delta R.T. 0.001 min

Lab File: BG058686.D

Acq: 10 Aug 2023 19:49

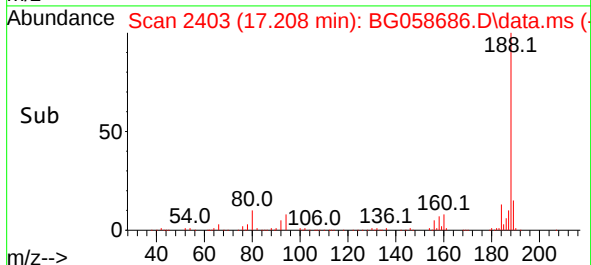
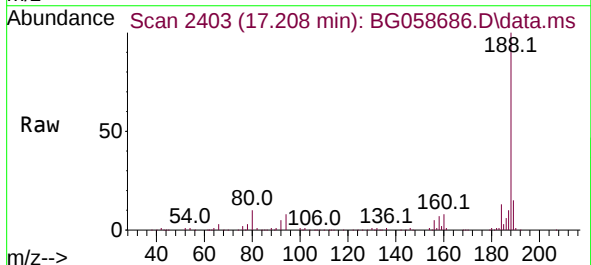
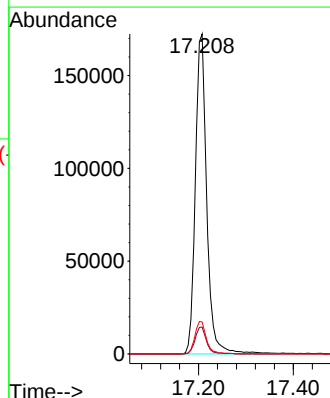
Tgt Ion:188 Resp: 287137

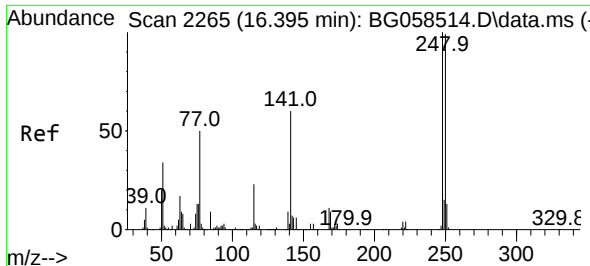
Ion Ratio Lower Upper

188 100

94 8.4 7.0 10.6

80 10.0 8.1 12.1

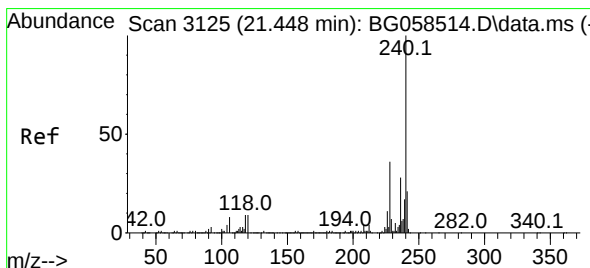
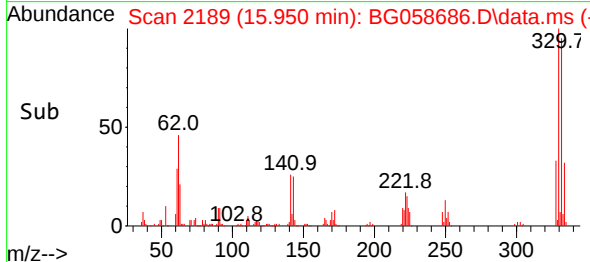
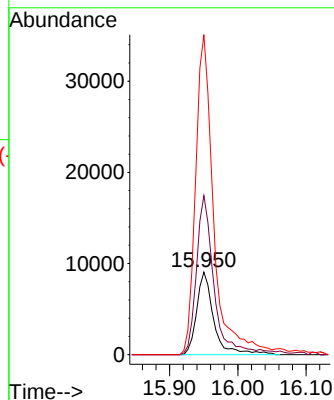
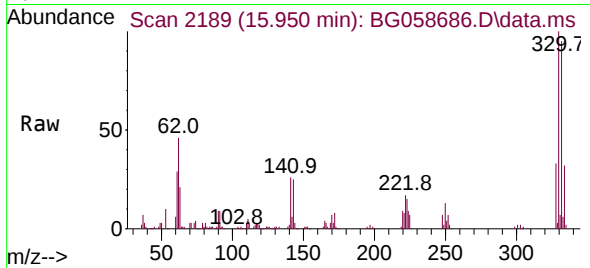




#67  
4-Bromophenyl-phenylether  
Concen: 4.838 ng  
RT: 15.950 min Scan# 2119  
Delta R.T. -0.445 min  
Lab File: BG058686.D  
Acq: 10 Aug 2023 19:49

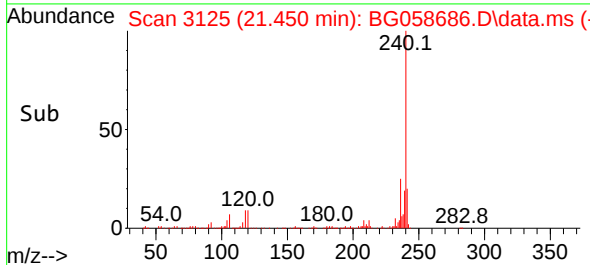
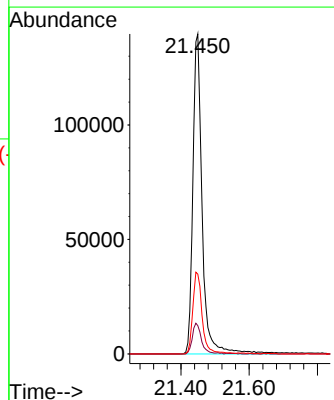
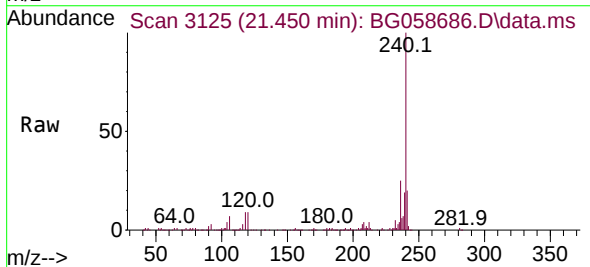
Instrument :  
BNA\_G  
ClientSampleId :  
WC-17

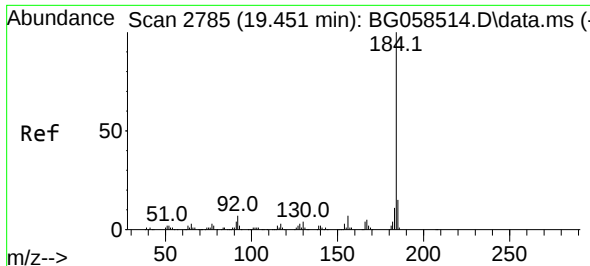
Tgt Ion:248 Resp: 15756  
Ion Ratio Lower Upper  
248 100  
250 192.8 79.5 119.3#  
141 388.2 48.2 72.2#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.450 min Scan# 3125  
Delta R.T. 0.001 min  
Lab File: BG058686.D  
Acq: 10 Aug 2023 19:49

Tgt Ion:240 Resp: 263877  
Ion Ratio Lower Upper  
240 100  
120 8.8 7.4 11.0  
236 24.9 22.2 33.4

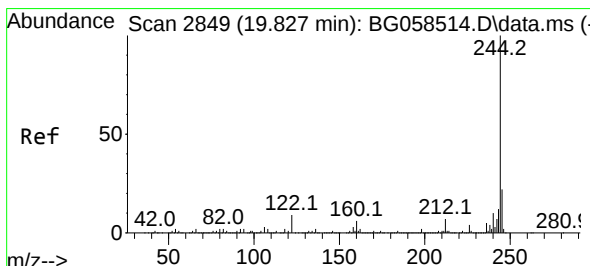
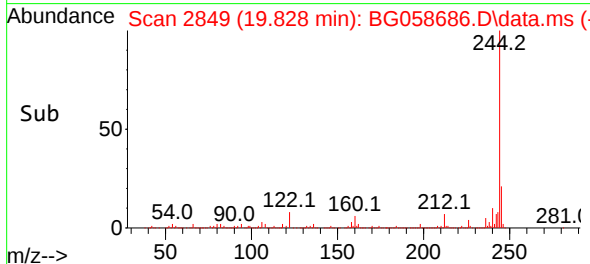
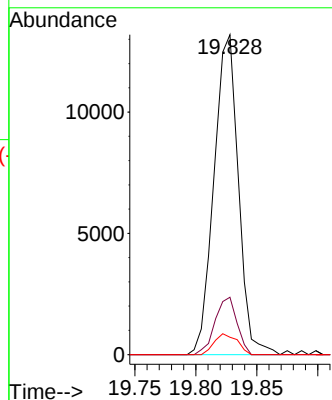
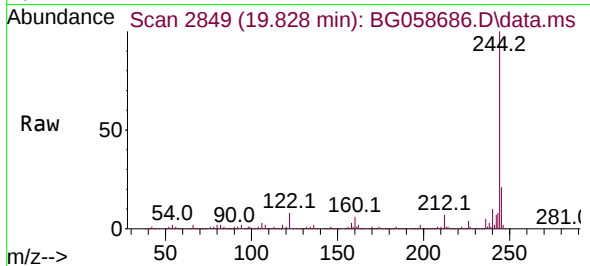




#77  
Benzidine  
Concen: 4.593 ng  
RT: 19.828 min Scan# 2849  
Delta R.T. 0.377 min  
Lab File: BG058686.D  
Acq: 10 Aug 2023 19:49

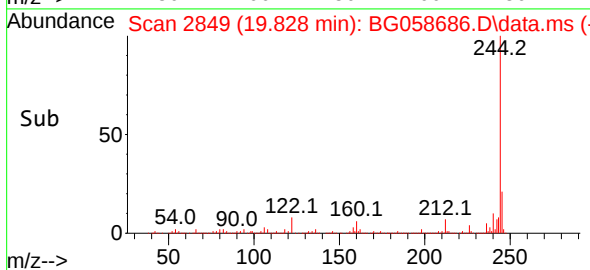
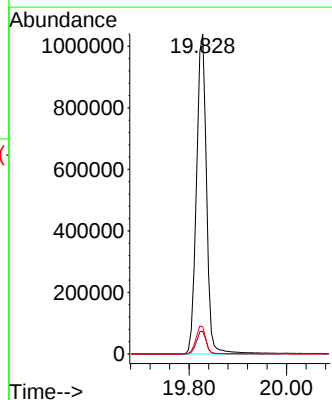
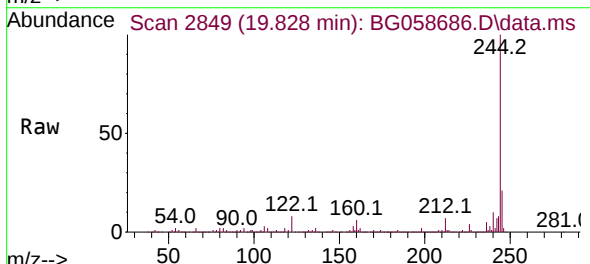
Instrument :  
BNA\_G  
ClientSampleId :  
WC-17

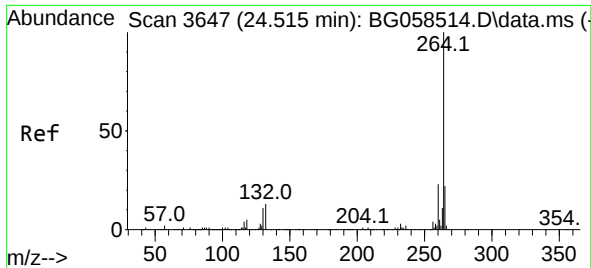
Tgt Ion:184 Resp: 18377  
Ion Ratio Lower Upper  
184 100  
185 17.9 11.9 17.9#  
183 5.4 8.7 13.1#



#79  
Terphenyl-d14  
Concen: 105.351 ng  
RT: 19.828 min Scan# 2849  
Delta R.T. 0.001 min  
Lab File: BG058686.D  
Acq: 10 Aug 2023 19:49

Tgt Ion:244 Resp: 1478288  
Ion Ratio Lower Upper  
244 100  
212 7.1 5.9 8.9  
122 8.4 6.8 10.2





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 24.522 min Scan# 30  
Delta R.T. 0.007 min  
Lab File: BG058686.D  
Acq: 10 Aug 2023 19:49

Instrument :  
BNA\_G  
ClientSampleId :  
WC-17

Tgt Ion:264 Resp: 285177  
Ion Ratio Lower Upper  
264 100  
260 23.2 18.4 27.6  
265 21.1 17.9 26.9

