

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG082223\  
 Data File : BG058806.D  
 Acq On : 22 Aug 2023 12:59  
 Operator : MA/JU  
 Sample : 04091-10  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Aug 22 13:34:41 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG081823.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 21 01:40:57 2023  
 Response via : Initial Calibration

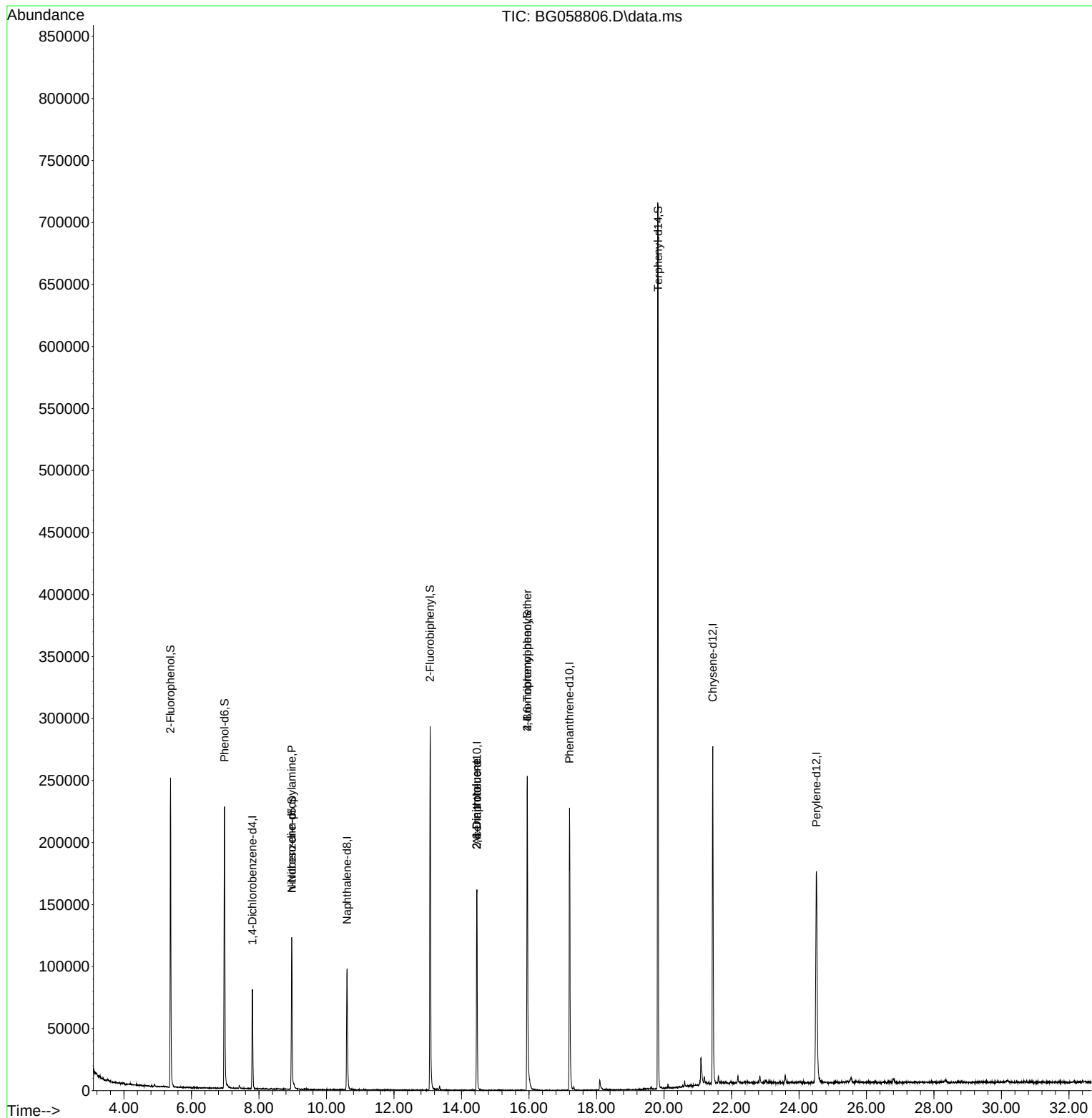
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.807  | 152  | 23341    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.609 | 136  | 93775    | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.458 | 164  | 65987    | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.201 | 188  | 172826   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 21.444 | 240  | 178464   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 24.516 | 264  | 215126   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.380  | 112  | 103032   | 71.036 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.978  | 99   | 135047   | 66.363 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.970  | 82   | 80770    | 41.410 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.950 | 330  | 67166    | 64.916 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.071 | 172  | 183827   | 40.518 | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.822 | 244  | 406921   | 40.942 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
| 19) n-Nitroso-di-n-propyla... | 8.970  | 70   | 9724     | 7.392  | ng    | # 78     |
| 51) 2,6-Dinitrotoluene        | 14.452 | 165  | 8671     | 8.078  | ng    | # 22     |
| 57) 2,4-Dinitrotoluene        | 14.452 | 165  | 8671     | 5.792  | ng    | # 19     |
| 67) 4-Bromophenyl-phenylether | 15.950 | 248  | 4299     | 2.267  | ng    | # 1      |
| -----                         |        |      |          |        |       |          |

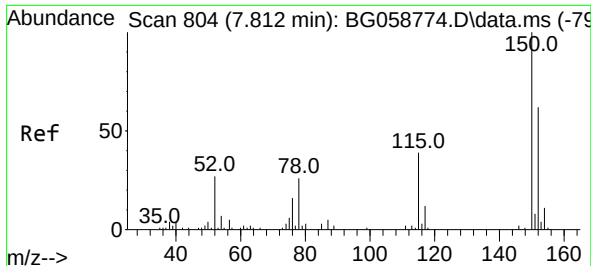
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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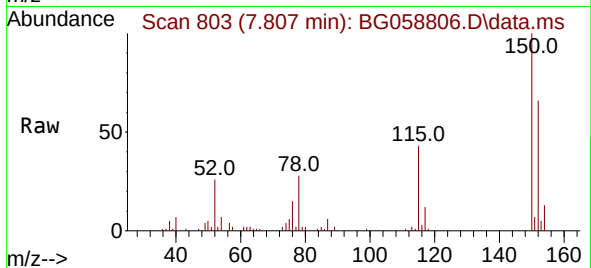
Quant Time: Aug 22 13:34:41 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG081823.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Aug 21 01:40:57 2023  
Response via : Initial Calibration



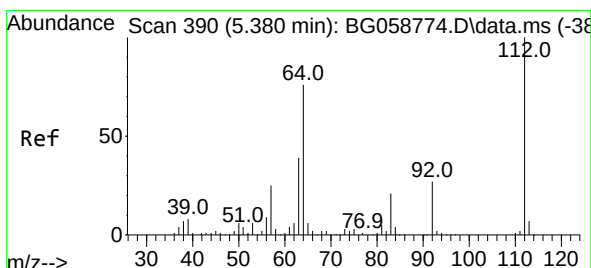
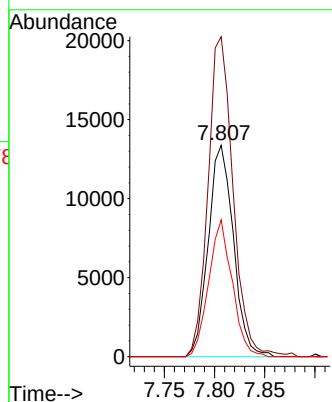
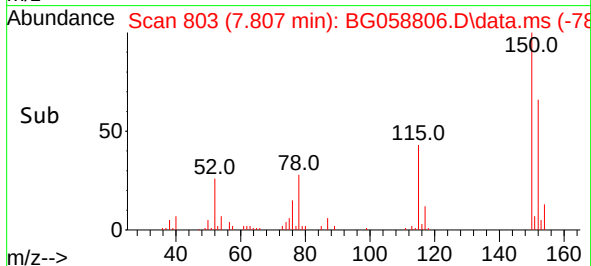


#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.807 min Scan# 804  
Delta R.T. -0.005 min  
Lab File: BG058806.D  
Acq: 22 Aug 2023 12:59

Instrument :  
BNA\_G  
ClientSampleId :

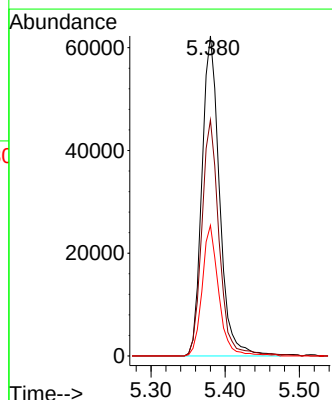
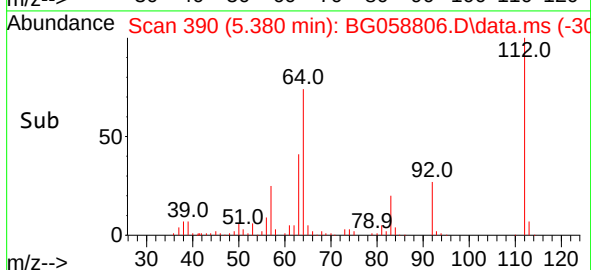
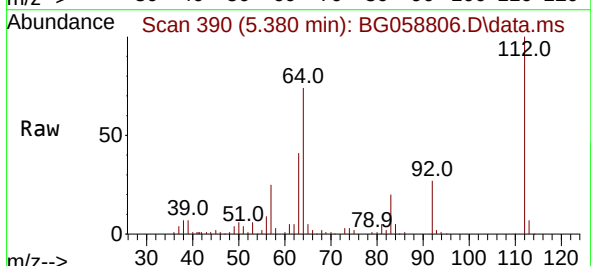


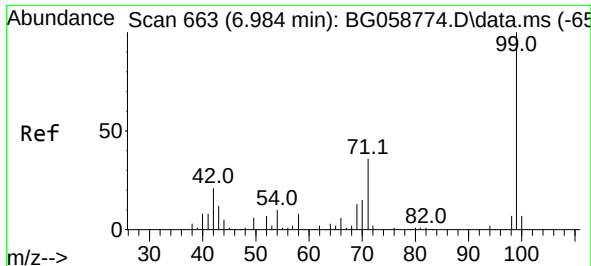
Tgt Ion:152 Resp: 23341  
Ion Ratio Lower Upper  
152 100  
150 151.4 128.6 192.8  
115 64.7 50.4 75.6



#5  
2-Fluorophenol  
Concen: 71.036 ng  
RT: 5.380 min Scan# 390  
Delta R.T. 0.000 min  
Lab File: BG058806.D  
Acq: 22 Aug 2023 12:59

Tgt Ion:112 Resp: 103032  
Ion Ratio Lower Upper  
112 100  
64 73.8 60.6 90.8  
63 40.8 31.0 46.4





#7

Phenol-d6

Concen: 66.363 ng

RT: 6.978 min Scan# 6

Delta R.T. -0.006 min

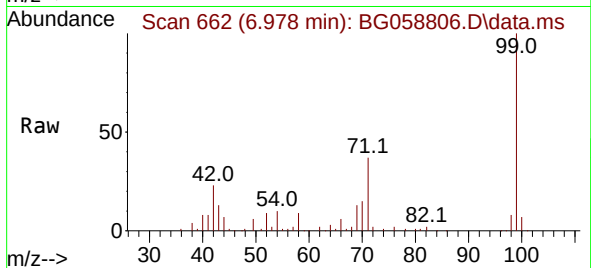
Lab File: BG058806.D

Acq: 22 Aug 2023 12:59

Instrument :

BNA\_G

ClientSampleId :



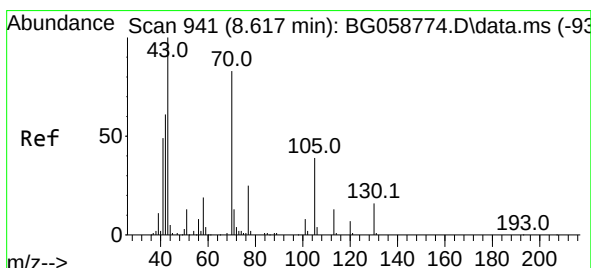
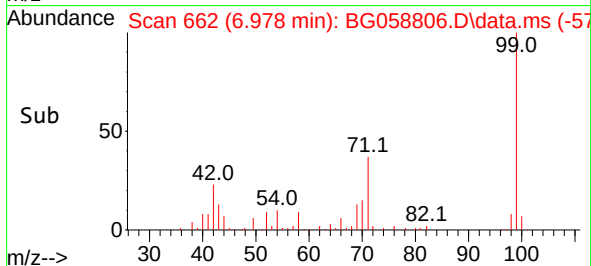
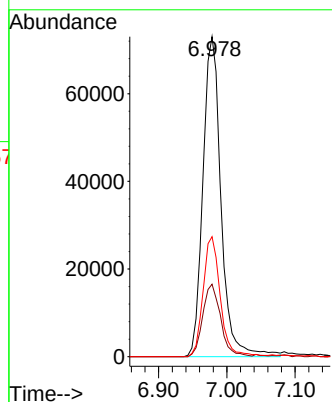
Tgt Ion: 99 Resp: 135047

Ion Ratio Lower Upper

99 100

42 22.7 16.5 24.7

71 37.5 28.4 42.6



#19

n-Nitroso-di-n-propylamine

Concen: 7.392 ng

RT: 8.970 min Scan# 1001

Delta R.T. 0.353 min

Lab File: BG058806.D

Acq: 22 Aug 2023 12:59

Tgt Ion: 70 Resp: 9724

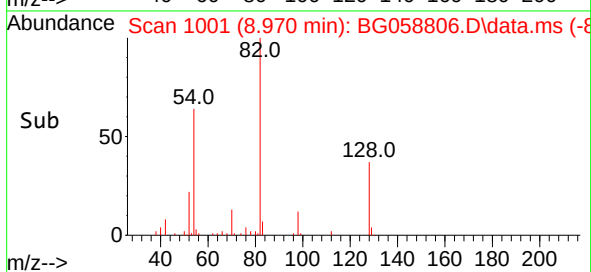
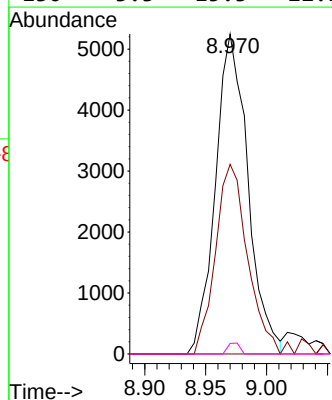
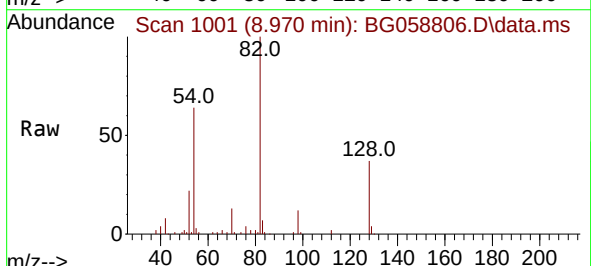
Ion Ratio Lower Upper

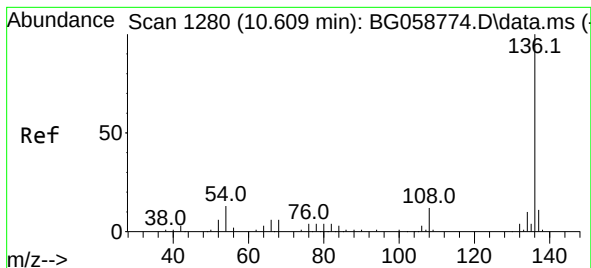
70 100

42 59.2 59.2 88.8

101 0.0 8.2 12.2#

130 3.3 15.3 22.9#

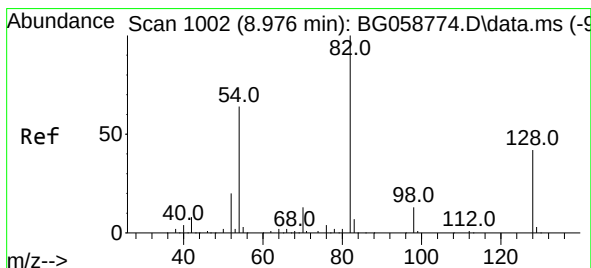
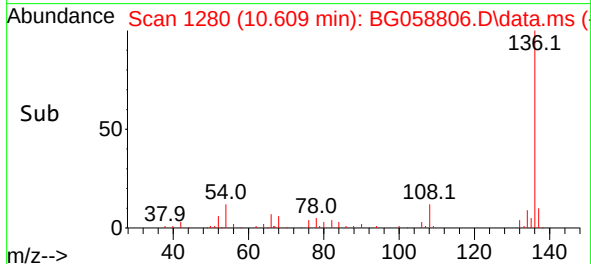
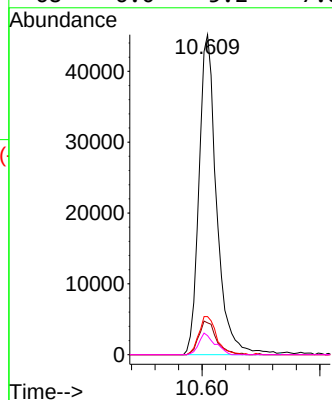
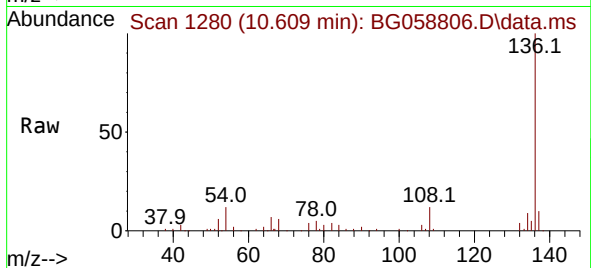




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.609 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BG058806.D  
Acq: 22 Aug 2023 12:59

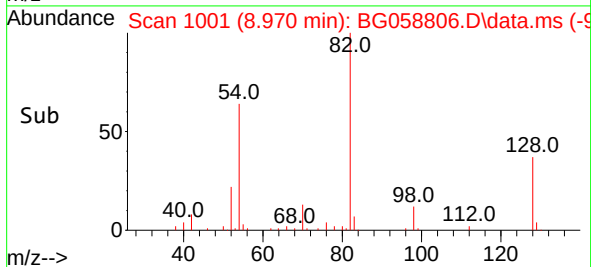
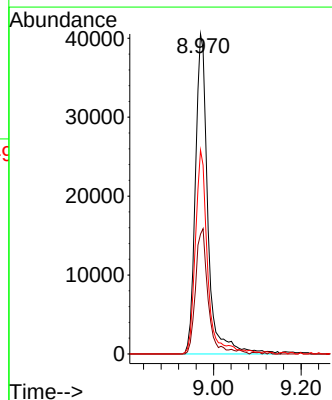
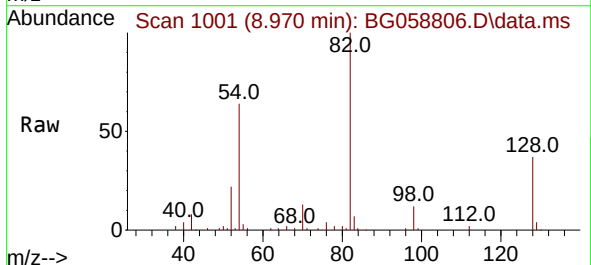
Instrument :  
BNA\_G  
ClientSampleId :

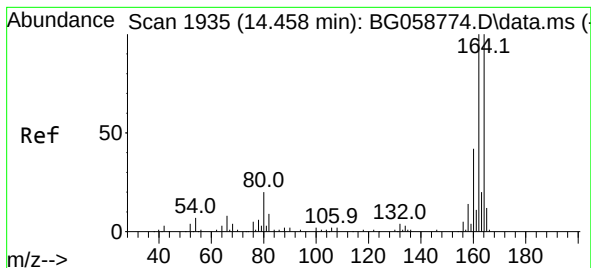
Tgt Ion:136 Resp: 93775  
Ion Ratio Lower Upper  
136 100  
137 10.0 8.7 13.1  
54 11.9 10.1 15.1  
68 6.0 5.2 7.8



#23  
Nitrobenzene-d5  
Concen: 41.410 ng  
RT: 8.970 min Scan# 1001  
Delta R.T. -0.006 min  
Lab File: BG058806.D  
Acq: 22 Aug 2023 12:59

Tgt Ion: 82 Resp: 80770  
Ion Ratio Lower Upper  
82 100  
128 37.4 33.2 49.8  
54 63.7 51.2 76.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.458 min Scan# 1935

Delta R.T. 0.000 min

Lab File: BG058806.D

Acq: 22 Aug 2023 12:59

Instrument :

BNA\_G

ClientSampleId :

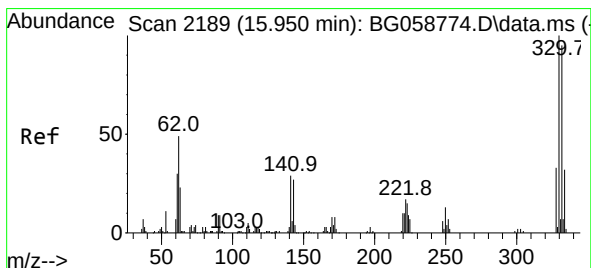
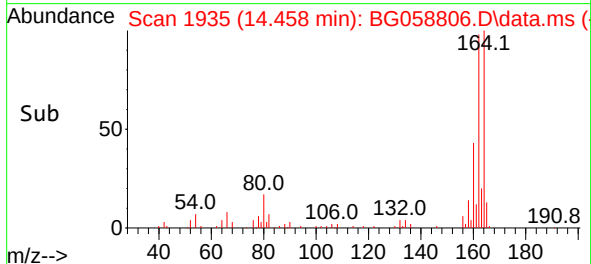
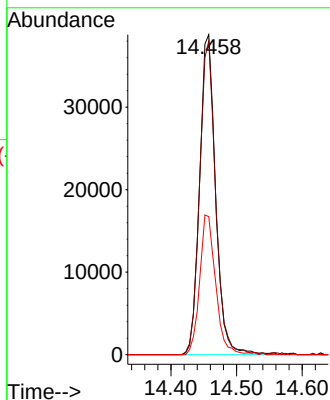
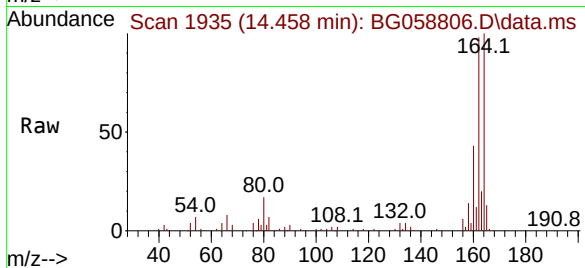
Tgt Ion:164 Resp: 65987

Ion Ratio Lower Upper

164 100

162 98.0 79.6 119.4

160 43.1 34.0 51.0



#42

2,4,6-Tribromophenol

Concen: 64.916 ng

RT: 15.950 min Scan# 2189

Delta R.T. 0.000 min

Lab File: BG058806.D

Acq: 22 Aug 2023 12:59

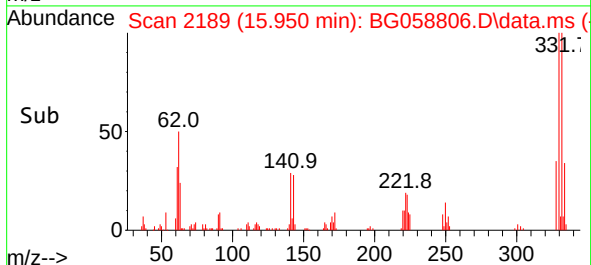
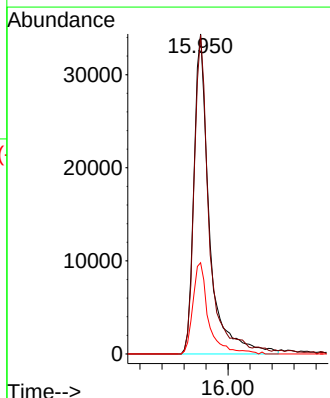
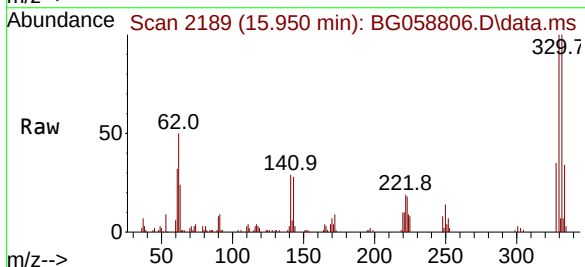
Tgt Ion:330 Resp: 67166

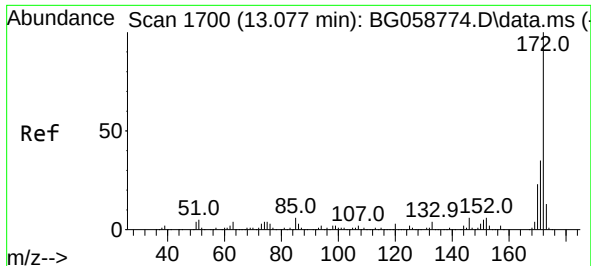
Ion Ratio Lower Upper

330 100

332 95.2 78.5 117.7

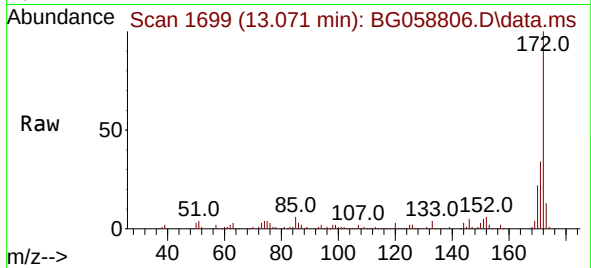
141 28.8 23.0 34.6



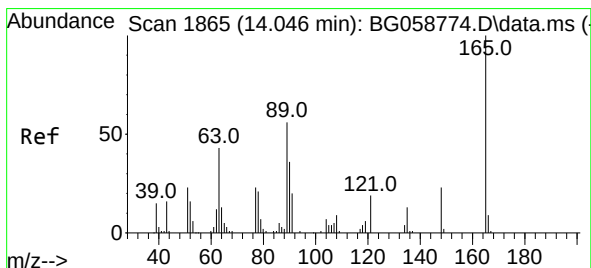
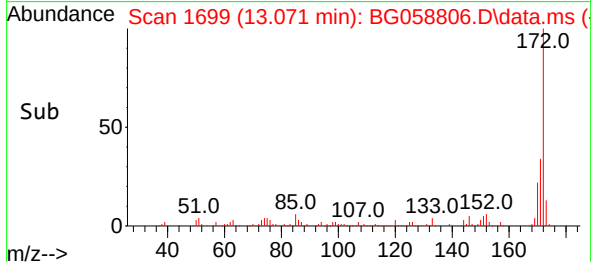
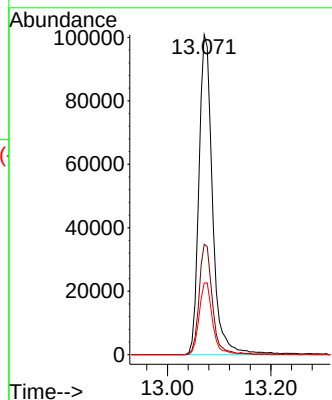


#45  
2-Fluorobiphenyl  
Concen: 40.518 ng  
RT: 13.071 min Scan# 1  
Delta R.T. -0.006 min  
Lab File: BG058806.D  
Acq: 22 Aug 2023 12:59

Instrument :  
BNA\_G  
ClientSampleId :

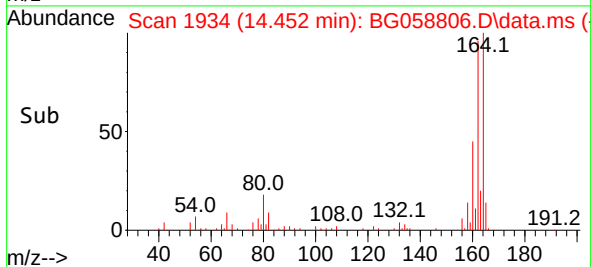
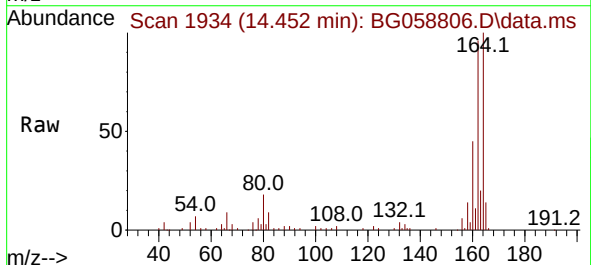
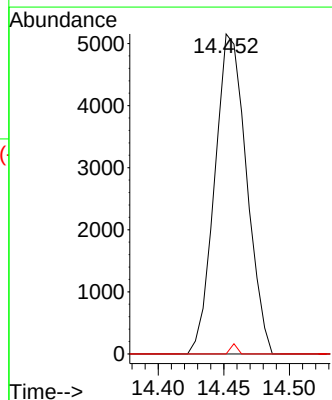


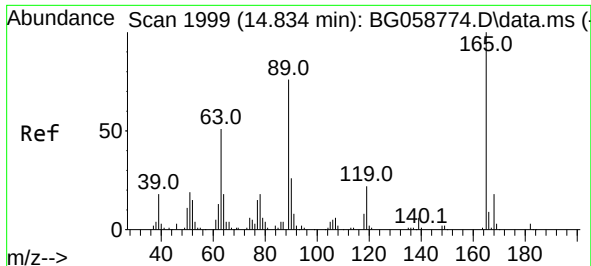
Tgt Ion:172 Resp: 183827  
Ion Ratio Lower Upper  
172 100  
171 34.5 28.1 42.1  
170 22.4 18.6 27.8



#51  
2,6-Dinitrotoluene  
Concen: 8.078 ng  
RT: 14.452 min Scan# 1934  
Delta R.T. 0.406 min  
Lab File: BG058806.D  
Acq: 22 Aug 2023 12:59

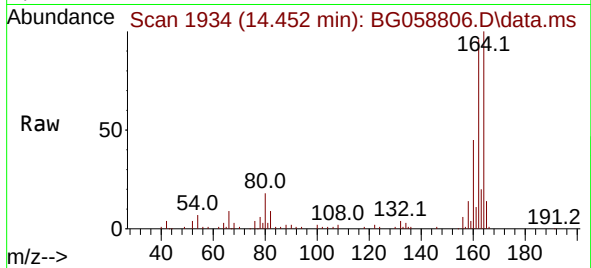
Tgt Ion:165 Resp: 8671  
Ion Ratio Lower Upper  
165 100  
63 0.0 47.2 70.8#  
89 0.0 45.0 67.4#



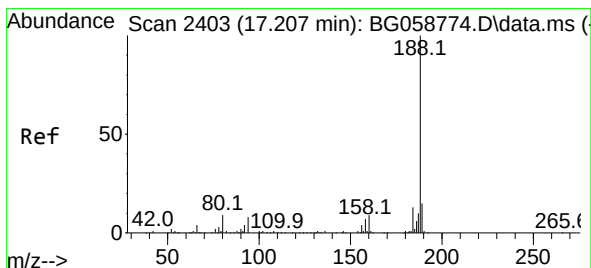
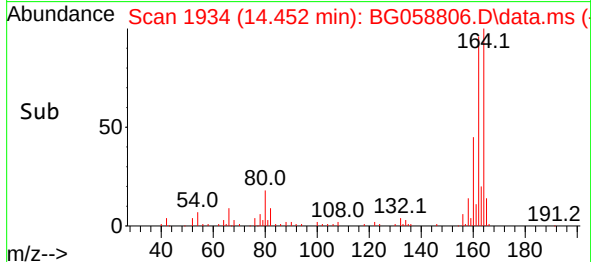
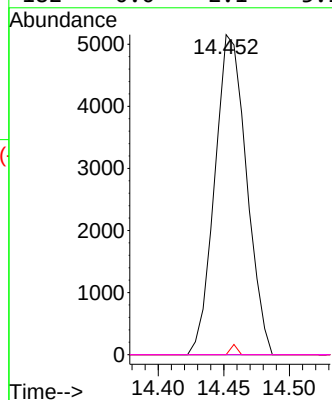


#57  
2,4-Dinitrotoluene  
Concen: 5.792 ng  
RT: 14.452 min Scan# 1999  
Delta R.T. -0.382 min  
Lab File: BG058806.D  
Acq: 22 Aug 2023 12:59

Instrument :  
BNA\_G  
ClientSampleId :

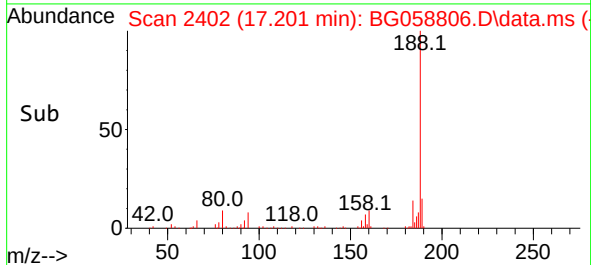
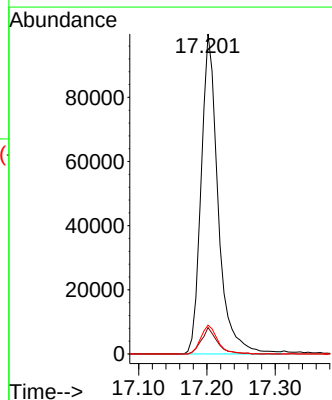
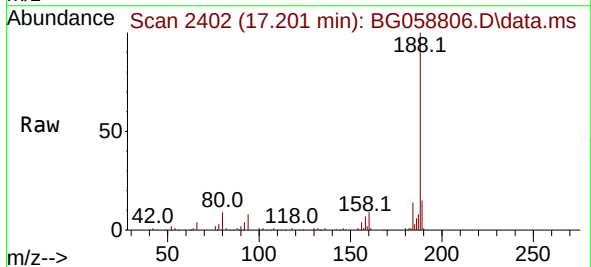


Tgt Ion:165 Resp: 8671  
Ion Ratio Lower Upper  
165 100  
63 0.0 41.8 62.6#  
89 0.0 60.7 91.1#  
182 0.0 2.1 3.1#

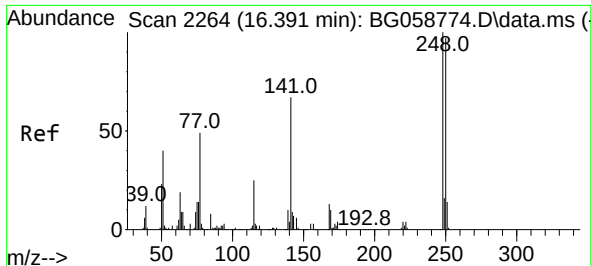


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.201 min Scan# 2402  
Delta R.T. -0.006 min  
Lab File: BG058806.D  
Acq: 22 Aug 2023 12:59

Tgt Ion:188 Resp: 172826  
Ion Ratio Lower Upper  
188 100  
94 8.2 6.1 9.1  
80 9.0 6.9 10.3

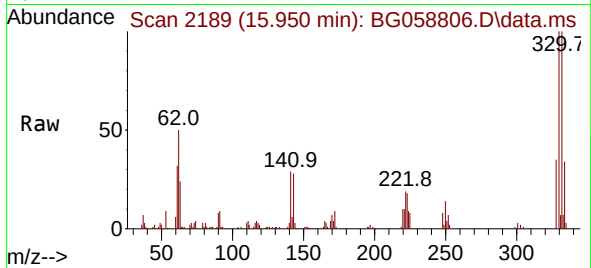




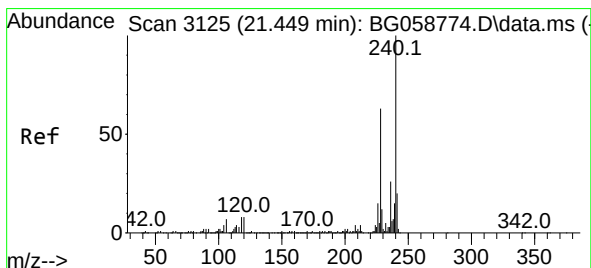
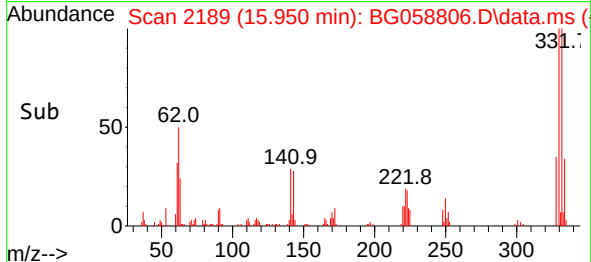
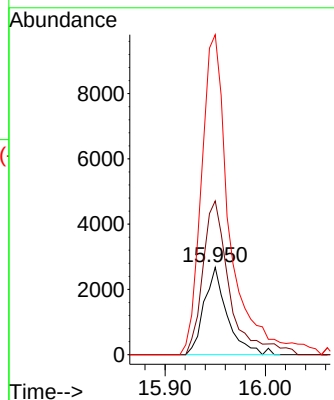


#67  
4-Bromophenyl-phenylether  
Concen: 2.267 ng  
RT: 15.950 min Scan# 2189  
Delta R.T. -0.441 min  
Lab File: BG058806.D  
Acq: 22 Aug 2023 12:59

Instrument :  
BNA\_G  
ClientSampleId :

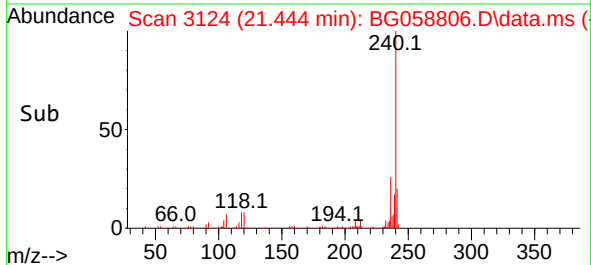
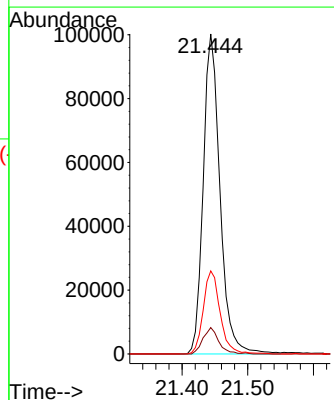
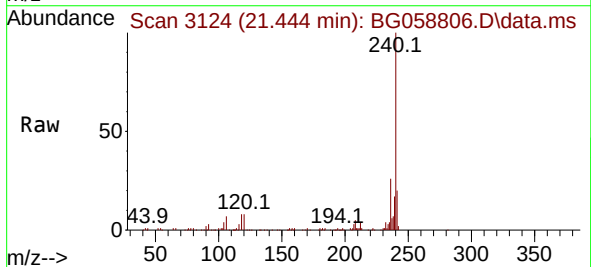


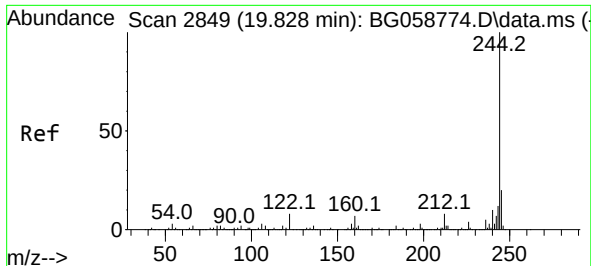
Tgt Ion:248 Resp: 4299  
Ion Ratio Lower Upper  
248 100  
250 142.2 77.7 116.5#  
141 296.0 53.6 80.4#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.444 min Scan# 3124  
Delta R.T. -0.006 min  
Lab File: BG058806.D  
Acq: 22 Aug 2023 12:59

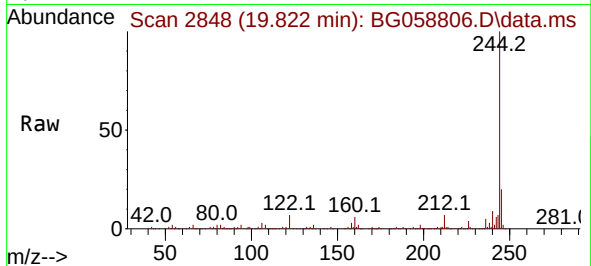
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Ion Ratio Lower Upper  
240 100  
120 8.3 6.2 9.2  
236 26.0 20.5 30.7





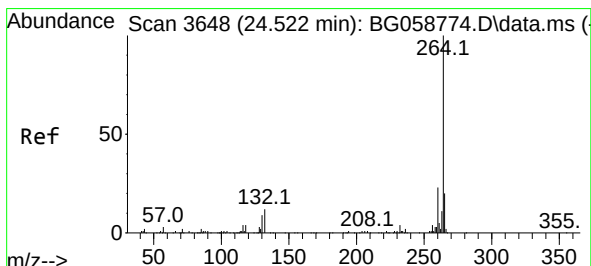
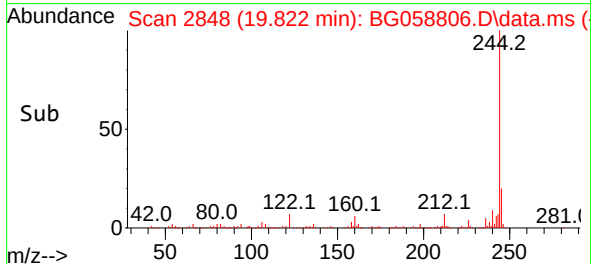
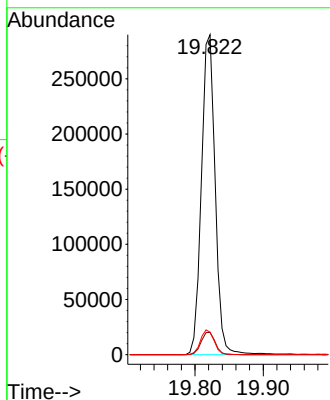
#79  
 Terphenyl-d14  
 Concen: 40.942 ng  
 RT: 19.822 min Scan# 21  
 Delta R.T. -0.006 min  
 Lab File: BG058806.D  
 Acq: 22 Aug 2023 12:59

Instrument :  
 BNA\_G  
 ClientSampleId :



Tgt Ion:244 Resp: 406921  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 7.0   | 6.2   | 9.2   |
| 122 | 7.1   | 6.3   | 9.5   |



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.516 min Scan# 3647  
 Delta R.T. -0.006 min  
 Lab File: BG058806.D  
 Acq: 22 Aug 2023 12:59

Tgt Ion:264 Resp: 215126  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.5  | 18.2  | 27.2  |
| 265 | 22.0  | 16.4  | 24.6  |

