

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG082523\  
 Data File : BG058856.D  
 Acq On : 25 Aug 2023 19:24  
 Operator : MA/JU  
 Sample : 04109-07  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 RINSATE-BLANK

Quant Time: Aug 26 09:18:18 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG081823.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Aug 26 09:13:37 2023  
 Response via : Initial Calibration

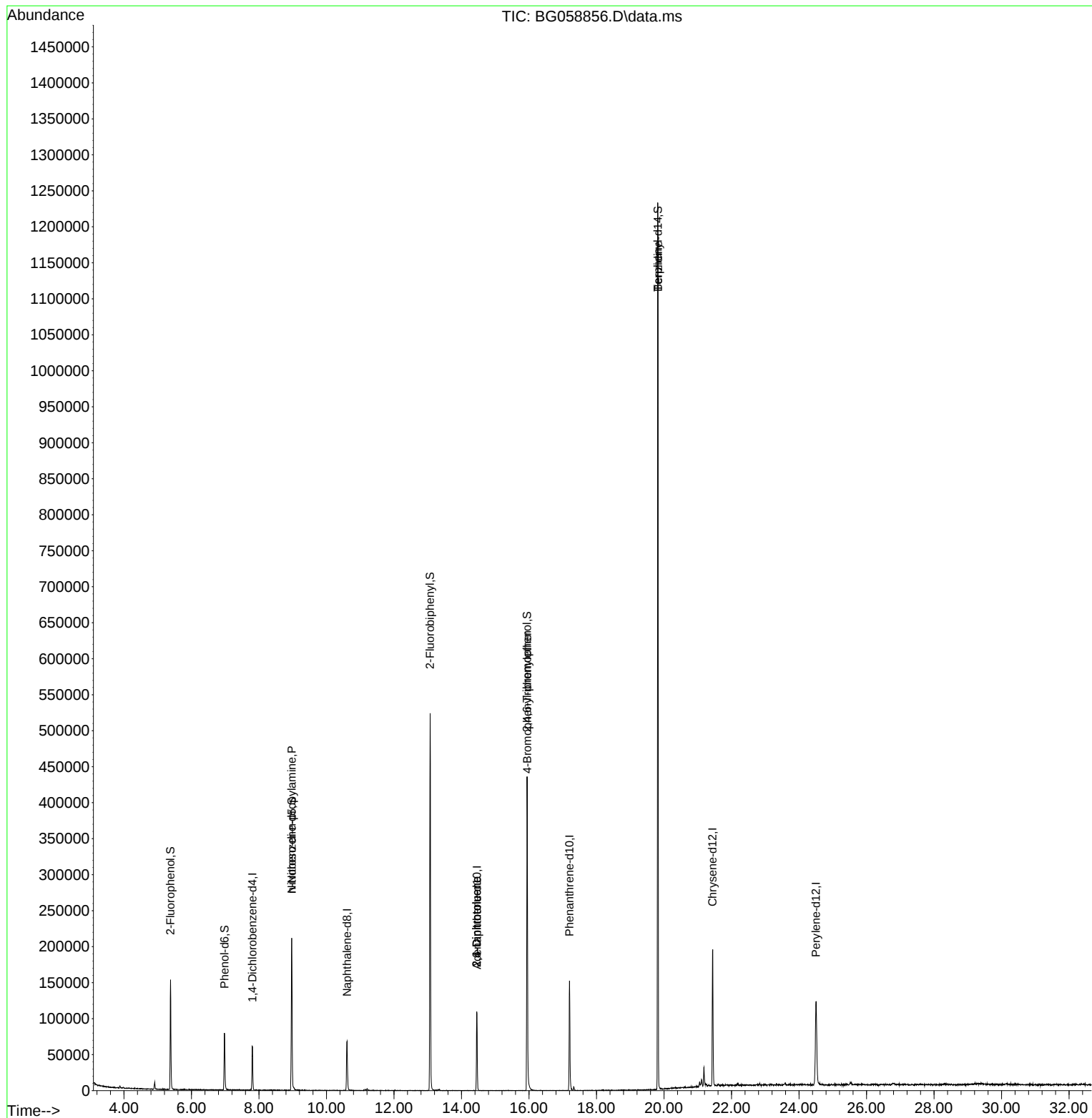
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.806  | 152  | 17405    | 20.000  | ng    | -0.02    |
| 21) Naphthalene-d8            | 10.609 | 136  | 66524    | 20.000  | ng    | -0.02    |
| 39) Acenaphthene-d10          | 14.457 | 164  | 44722    | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10          | 17.201 | 188  | 113314   | 20.000  | ng    | -0.02    |
| 76) Chrysene-d12              | 21.437 | 240  | 119647   | 20.000  | ng    | -0.03    |
| 86) Perylene-d12              | 24.504 | 264  | 141079   | 20.000  | ng    | -0.03    |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.380  | 112  | 62549    | 57.833  | ng    | -0.02    |
| 7) Phenol-d6                  | 6.978  | 99   | 47166    | 31.083  | ng    | -0.03    |
| 23) Nitrobenzene-d5           | 8.970  | 82   | 126233   | 91.230  | ng    | -0.03    |
| 42) 2,4,6-Tribromophenol      | 15.944 | 330  | 103262   | 147.258 | ng    | -0.03    |
| 45) 2-Fluorobiphenyl          | 13.071 | 172  | 294767   | 95.865  | ng    | -0.03    |
| 79) Terphenyl-d14             | 19.816 | 244  | 641318   | 96.245  | ng    | -0.02    |
| Target Compounds              |        |      |          |         |       |          |
| 19) n-Nitroso-di-n-propyla... | 8.970  | 70   | 16541    | 16.863  | ng    | # 77     |
| 51) 2,6-Dinitrotoluene        | 14.452 | 165  | 5387     | 7.405   | ng    | # 22     |
| 57) 2,4-Dinitrotoluene        | 14.452 | 165  | 5387     | 5.309   | ng    | # 19     |
| 67) 4-Bromophenyl-phenylether | 15.950 | 248  | 6897     | 5.547   | ng    | # 1      |
| 77) Benzidine                 | 19.822 | 184  | 9144     | 4.264   | ng    | # 94     |
| -----                         |        |      |          |         |       |          |

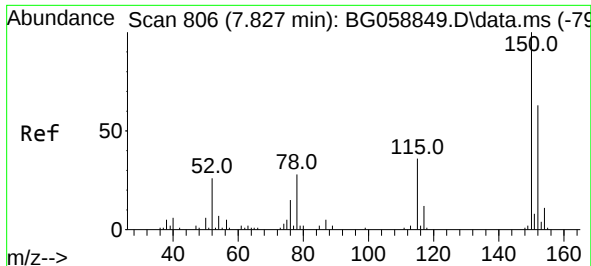
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG081823.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Aug 26 09:13:37 2023  
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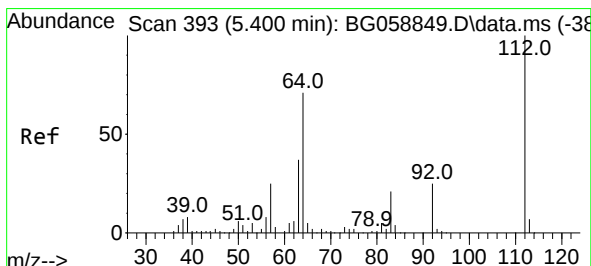
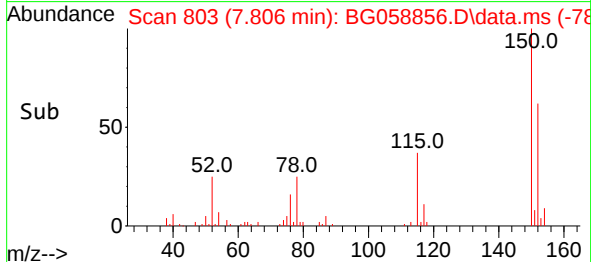
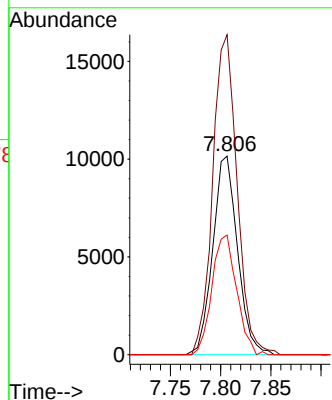
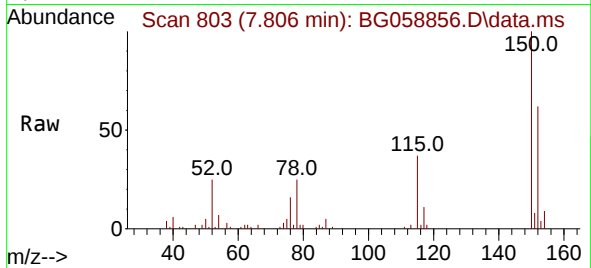




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.806 min Scan# 806  
Delta R.T. -0.021 min  
Lab File: BG058856.D  
Acq: 25 Aug 2023 19:24

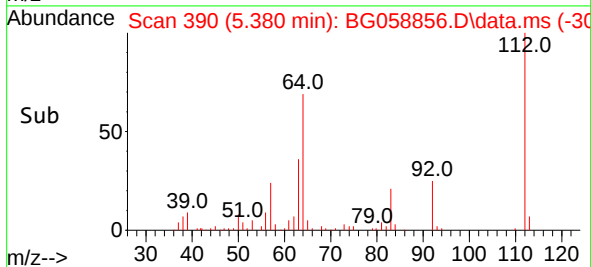
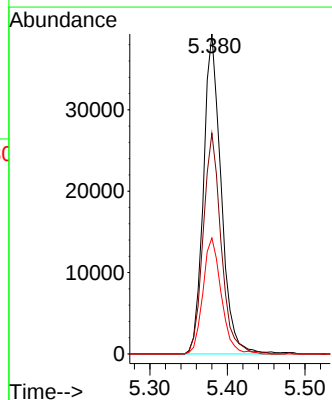
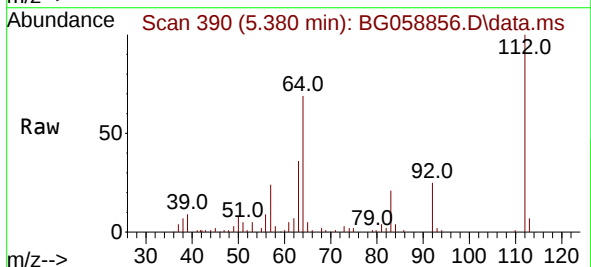
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ClientSampleId :  
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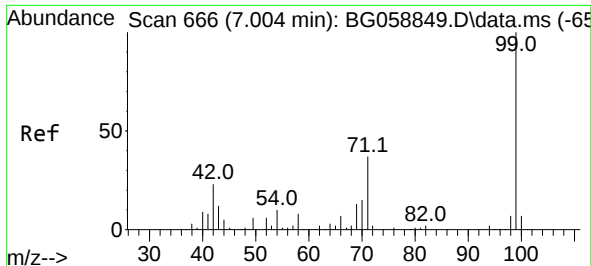
Tgt Ion:152 Resp: 17405  
Ion Ratio Lower Upper  
152 100  
150 161.1 128.6 192.8  
115 60.2 50.4 75.6



#5  
2-Fluorophenol  
Concen: 57.833 ng  
RT: 5.380 min Scan# 390  
Delta R.T. -0.020 min  
Lab File: BG058856.D  
Acq: 25 Aug 2023 19:24

Tgt Ion:112 Resp: 62549  
Ion Ratio Lower Upper  
112 100  
64 68.9 60.6 90.8  
63 36.2 31.0 46.4

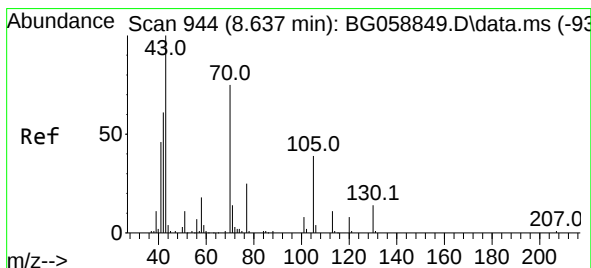
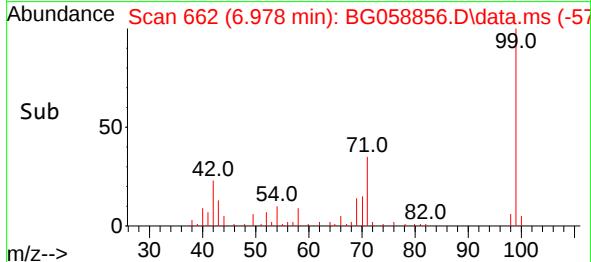
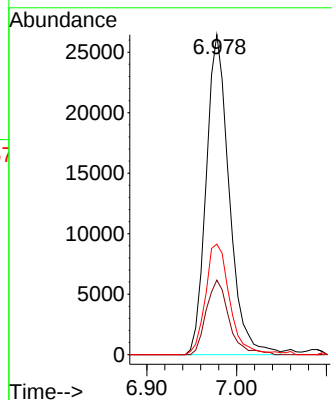
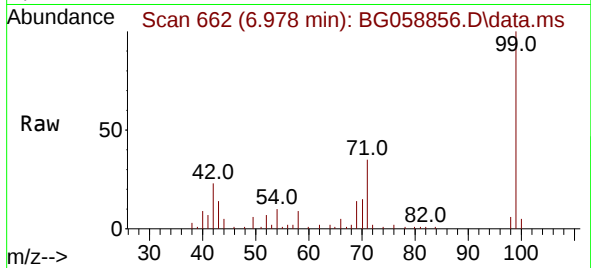




#7  
Phenol-d6  
Concen: 31.083 ng  
RT: 6.978 min Scan# 60  
Delta R.T. -0.026 min  
Lab File: BG058856.D  
Acq: 25 Aug 2023 19:24

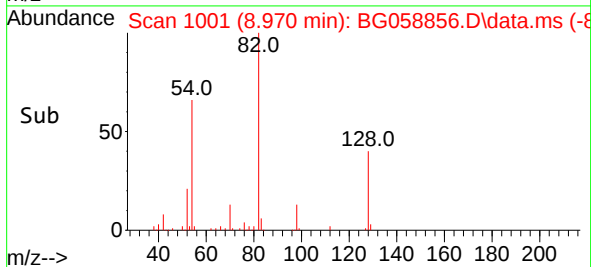
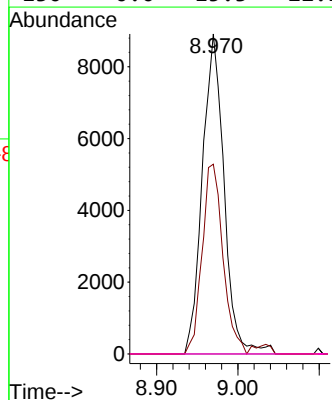
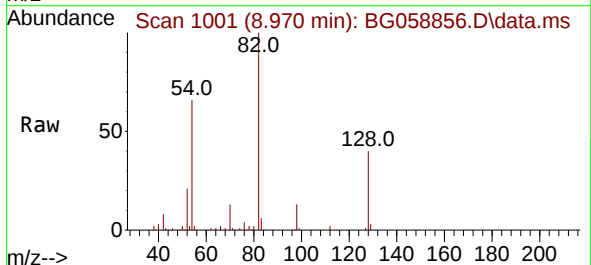
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BNA\_G  
ClientSampleId :  
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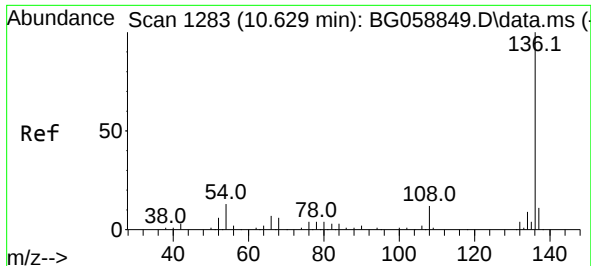
Tgt Ion: 99 Resp: 47166  
Ion Ratio Lower Upper  
99 100  
42 23.3 16.5 24.7  
71 34.6 28.4 42.6



#19  
n-Nitroso-di-n-propylamine  
Concen: 16.863 ng  
RT: 8.970 min Scan# 1001  
Delta R.T. 0.332 min  
Lab File: BG058856.D  
Acq: 25 Aug 2023 19:24

Tgt Ion: 70 Resp: 16541  
Ion Ratio Lower Upper  
70 100  
42 59.3 59.2 88.8  
101 0.0 8.2 12.2#  
130 0.0 15.3 22.9#

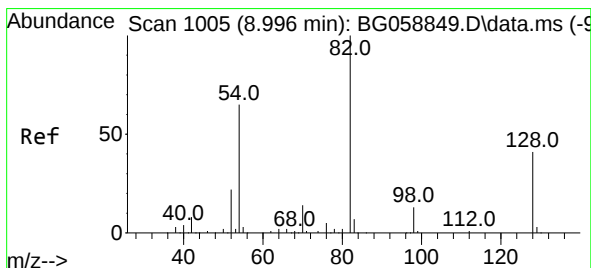
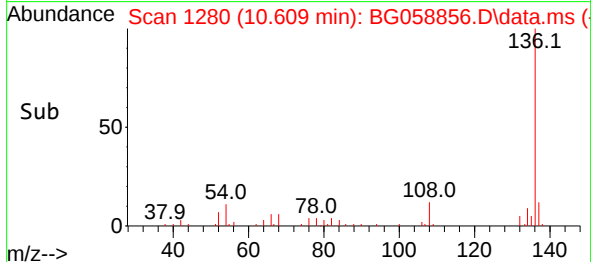
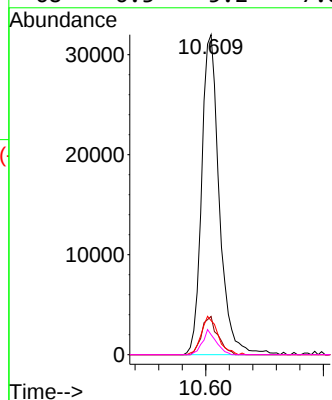
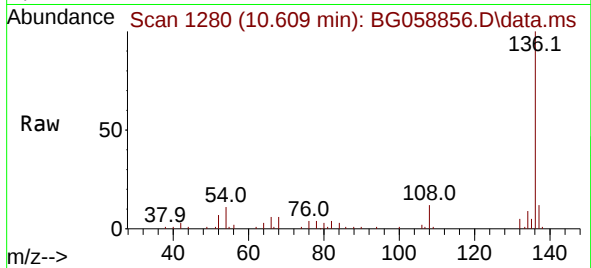




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.609 min Scan# 11  
Delta R.T. -0.020 min  
Lab File: BG058856.D  
Acq: 25 Aug 2023 19:24

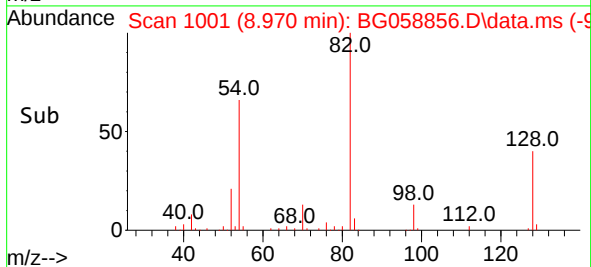
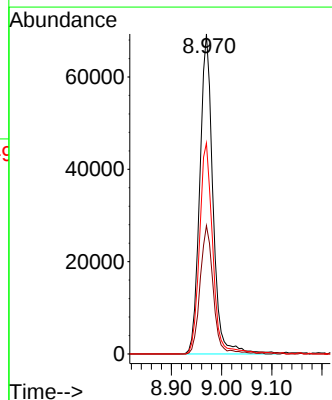
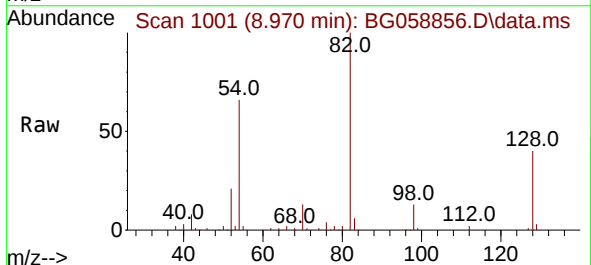
Instrument :  
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ClientSampleId :  
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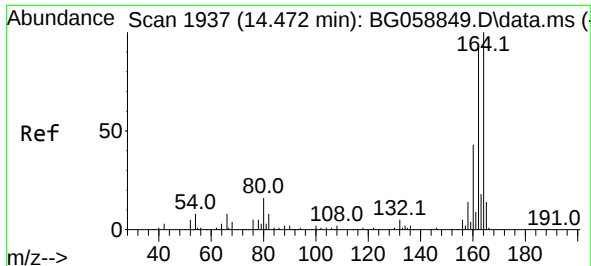
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 136   | Resp: | 66524 |
| Ion Ratio | Lower | Upper |       |
| 136       | 100   |       |       |
| 137       | 12.0  | 8.7   | 13.1  |
| 54        | 10.7  | 10.1  | 15.1  |
| 68        | 6.3   | 5.2   | 7.8   |



#23  
Nitrobenzene-d5  
Concen: 91.230 ng  
RT: 8.970 min Scan# 1001  
Delta R.T. -0.026 min  
Lab File: BG058856.D  
Acq: 25 Aug 2023 19:24

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 82    | Resp: | 126233 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 40.1  | 33.2  | 49.8   |
| 54        | 65.9  | 51.2  | 76.8   |

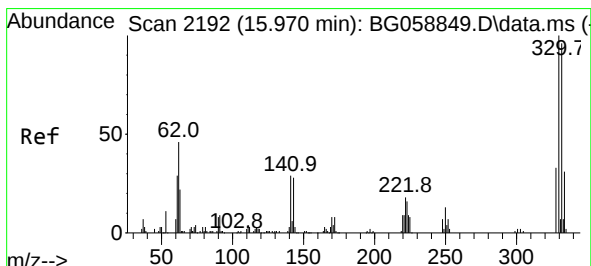
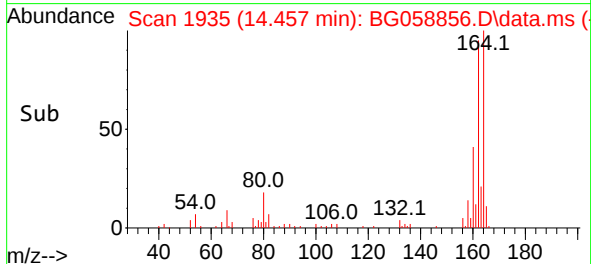
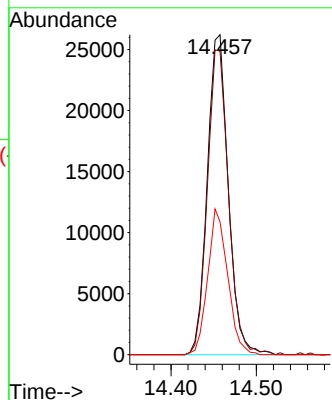
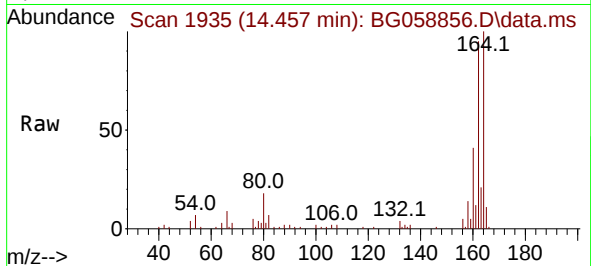




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.457 min Scan# 1935  
Delta R.T. -0.014 min  
Lab File: BG058856.D  
Acq: 25 Aug 2023 19:24

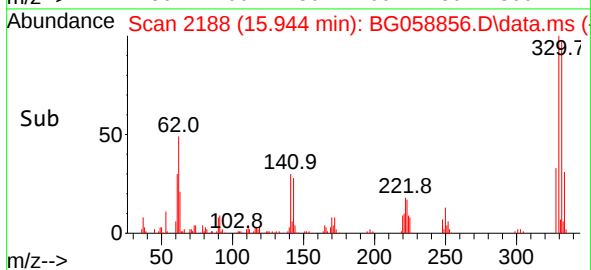
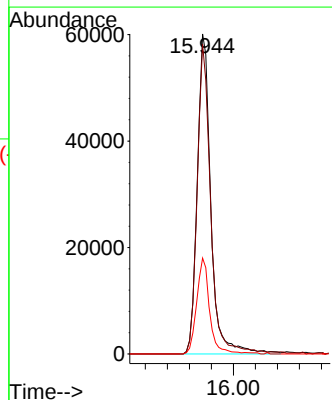
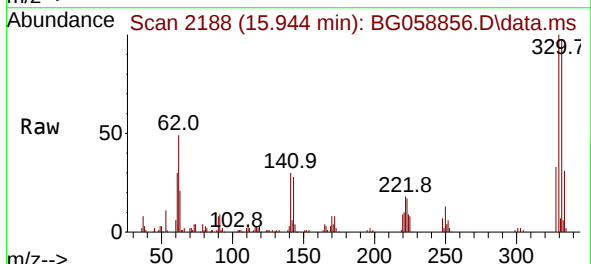
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ClientSampleId :  
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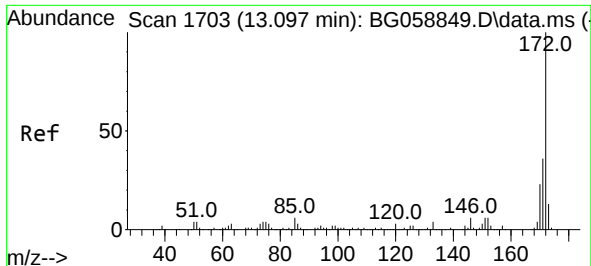
Tgt Ion:164 Resp: 44722  
Ion Ratio Lower Upper  
164 100  
162 94.9 79.6 119.4  
160 41.5 34.0 51.0



#42  
2,4,6-Tribromophenol  
Concen: 147.258 ng  
RT: 15.944 min Scan# 2188  
Delta R.T. -0.026 min  
Lab File: BG058856.D  
Acq: 25 Aug 2023 19:24

Tgt Ion:330 Resp: 103262  
Ion Ratio Lower Upper  
330 100  
332 96.4 78.5 117.7  
141 28.6 23.0 34.6

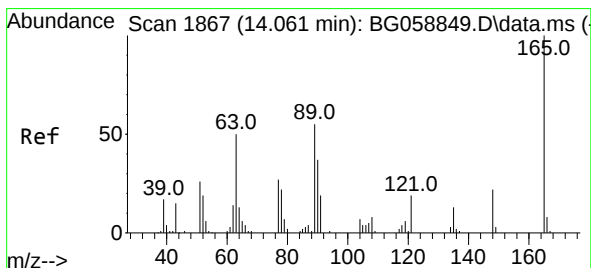
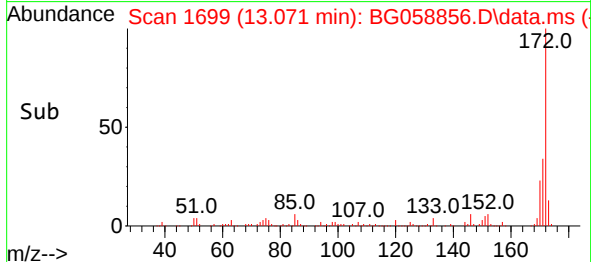
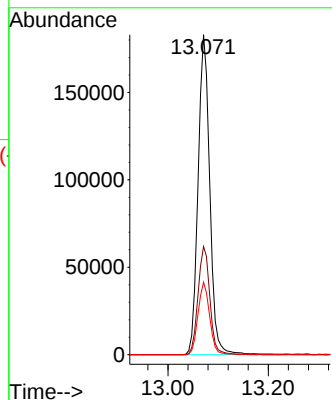
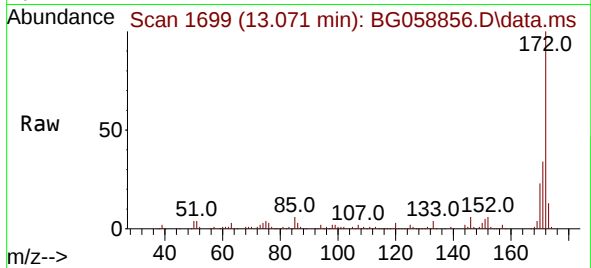




#45  
2-Fluorobiphenyl  
Concen: 95.865 ng  
RT: 13.071 min Scan# 1  
Delta R.T. -0.026 min  
Lab File: BG058856.D  
Acq: 25 Aug 2023 19:24

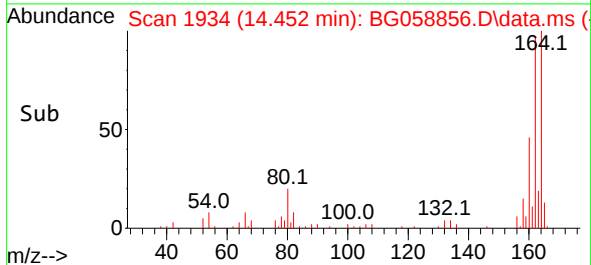
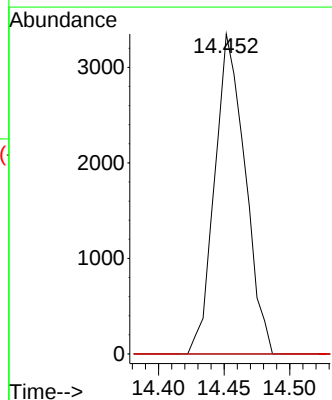
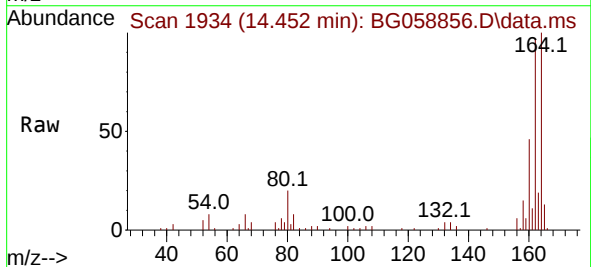
Instrument :  
BNA\_G  
ClientSampleId :  
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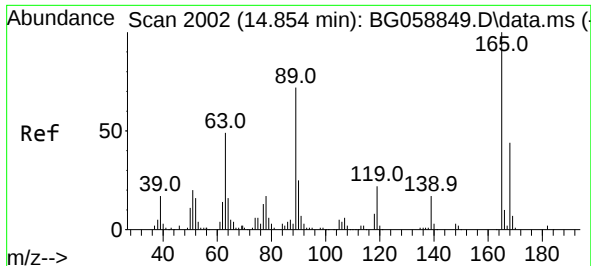
Tgt Ion:172 Resp: 294767  
Ion Ratio Lower Upper  
172 100  
171 33.8 28.1 42.1  
170 22.6 18.6 27.8



#51  
2,6-Dinitrotoluene  
Concen: 7.405 ng  
RT: 14.452 min Scan# 1934  
Delta R.T. 0.391 min  
Lab File: BG058856.D  
Acq: 25 Aug 2023 19:24

Tgt Ion:165 Resp: 5387  
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: 5.309 ng

RT: 14.452 min Scan# 1934

Delta R.T. -0.402 min

Lab File: BG058856.D

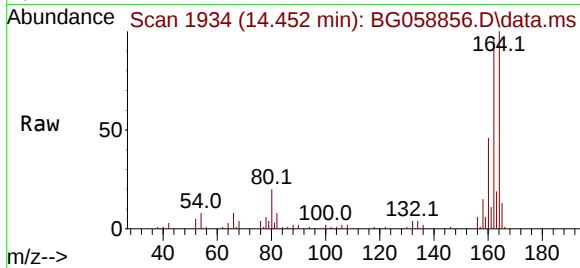
Acq: 25 Aug 2023 19:24

Instrument :

BNA\_G

ClientSampleId :

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Tgt Ion:165 Resp: 5387

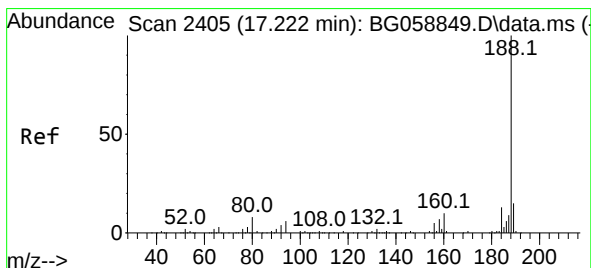
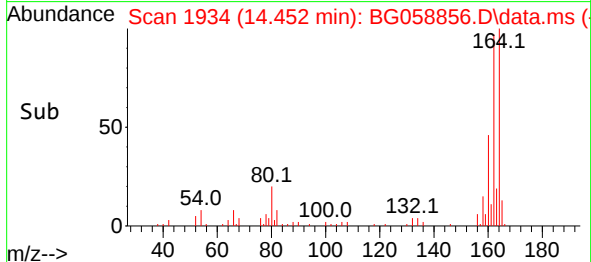
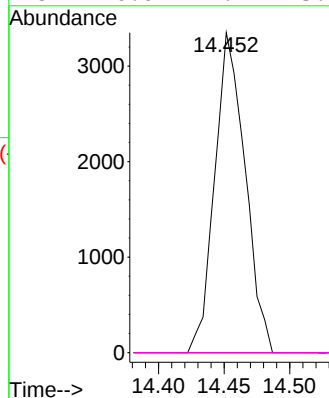
Ion Ratio Lower Upper

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. -0.020 min

Lab File: BG058856.D

Acq: 25 Aug 2023 19:24

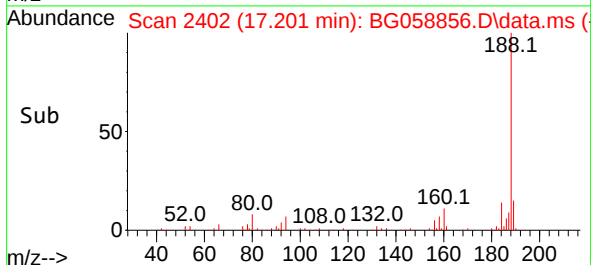
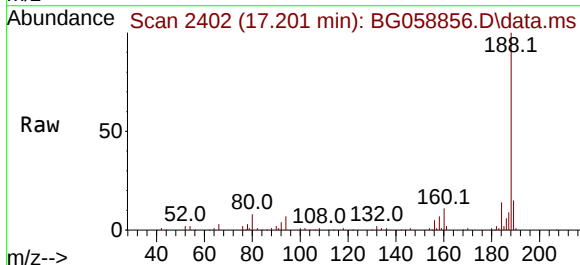
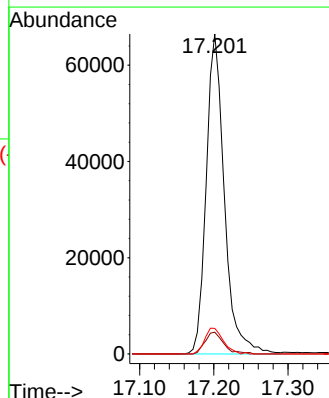
Tgt Ion:188 Resp: 113314

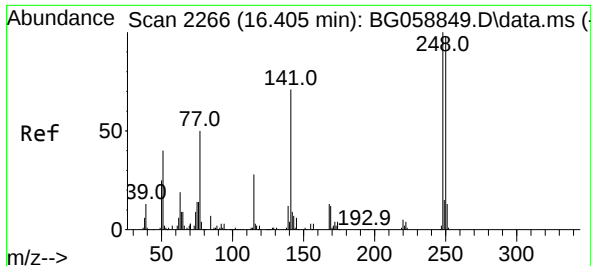
Ion Ratio Lower Upper

188 100

94 6.8 6.1 9.1

80 8.0 6.9 10.3

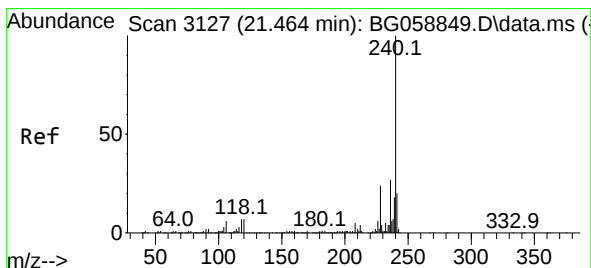
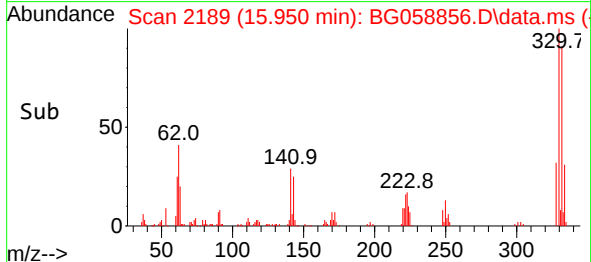
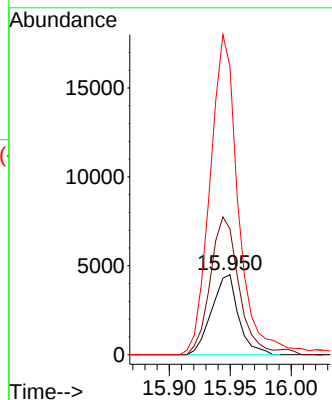
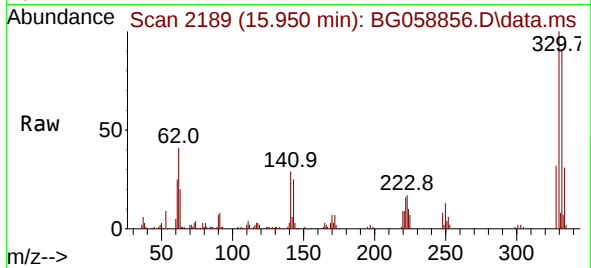




#67  
4-Bromophenyl-phenylether  
Concen: 5.547 ng  
RT: 15.950 min Scan# 2119  
Delta R.T. -0.455 min  
Lab File: BG058856.D  
Acq: 25 Aug 2023 19:24

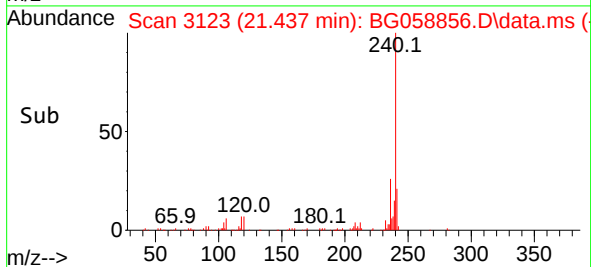
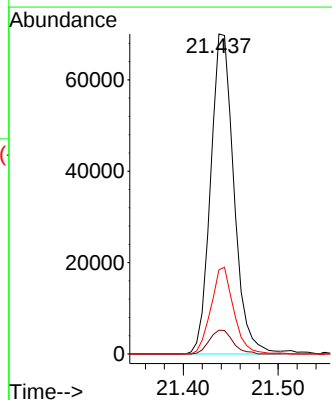
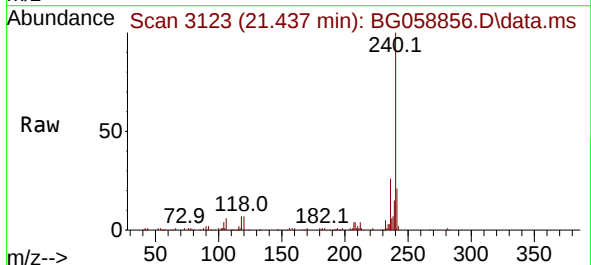
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BNA\_G  
ClientSampleId :  
RINSATE-BLANK

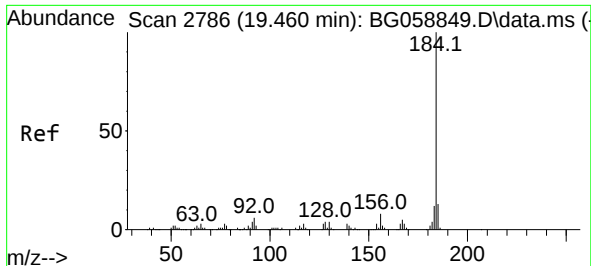
Tgt Ion:248 Resp: 6897  
Ion Ratio Lower Upper  
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250 157.1 77.7 116.5#  
141 360.1 53.6 80.4#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.437 min Scan# 3123  
Delta R.T. -0.026 min  
Lab File: BG058856.D  
Acq: 25 Aug 2023 19:24

Tgt Ion:240 Resp: 119647  
Ion Ratio Lower Upper  
240 100  
120 7.4 6.2 9.2  
236 26.3 20.5 30.7

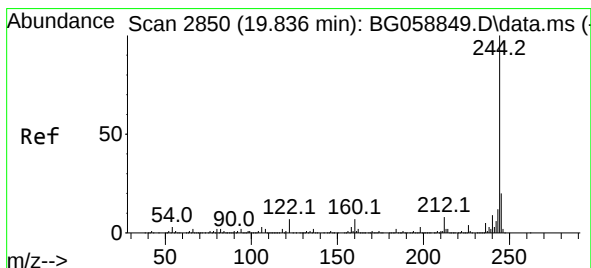
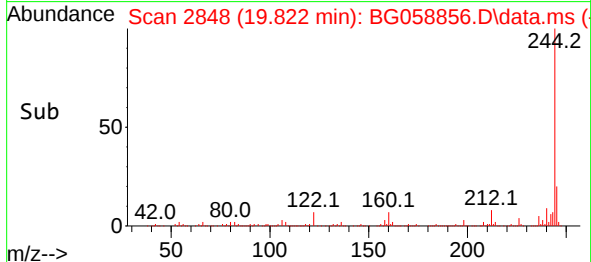
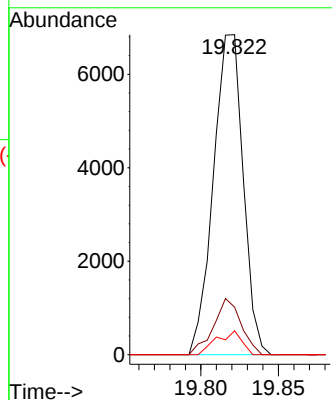
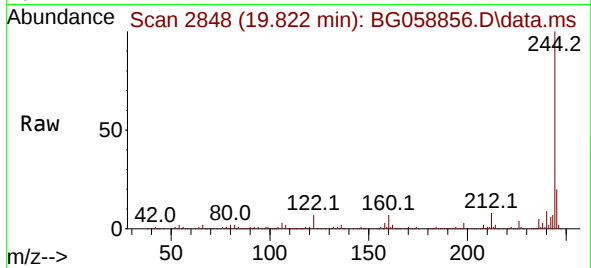




#77  
Benzidine  
Concen: 4.264 ng  
RT: 19.822 min Scan# 21  
Delta R.T. 0.362 min  
Lab File: BG058856.D  
Acq: 25 Aug 2023 19:24

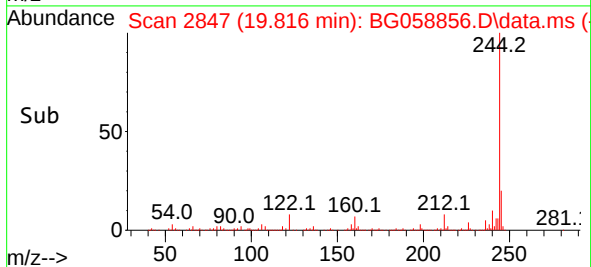
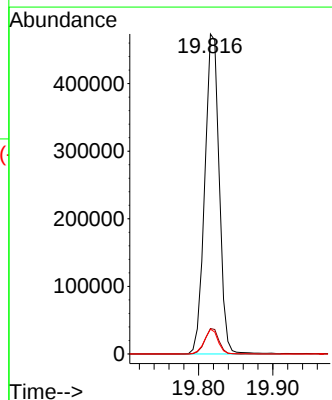
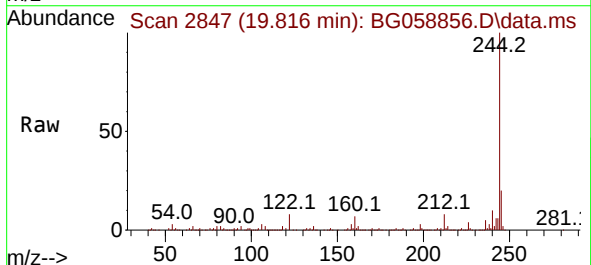
Instrument :  
BNA\_G  
ClientSampleId :  
RINSATE-BLANK

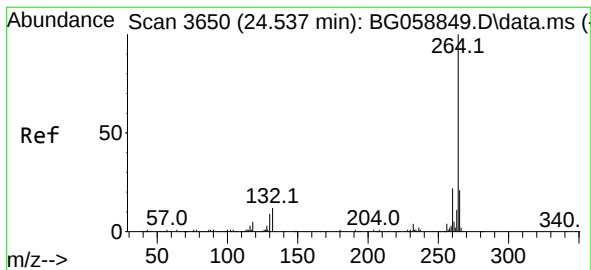
Tgt Ion:184 Resp: 9144  
Ion Ratio Lower Upper  
184 100  
185 14.9 11.9 17.9  
183 7.4 10.0 15.0#



#79  
Terphenyl-d14  
Concen: 96.245 ng  
RT: 19.816 min Scan# 2847  
Delta R.T. -0.020 min  
Lab File: BG058856.D  
Acq: 25 Aug 2023 19:24

Tgt Ion:244 Resp: 641318  
Ion Ratio Lower Upper  
244 100  
212 7.9 6.2 9.2  
122 7.8 6.3 9.5





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.504 min Scan# 30  
 Delta R.T. -0.032 min  
 Lab File: BG058856.D  
 Acq: 25 Aug 2023 19:24

Instrument :  
 BNA\_G  
 ClientSampleId :  
 RINSATE-BLANK

Tgt Ion:264 Resp: 141079  
 Ion Ratio Lower Upper  
 264 100  
 260 20.9 18.2 27.2  
 265 22.5 16.4 24.6

