

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG082423\  
 Data File : BG058835.D  
 Acq On : 24 Aug 2023 12:33  
 Operator : MA/JU  
 Sample : 04090-02  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-I

Quant Time: Aug 24 13:06:50 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

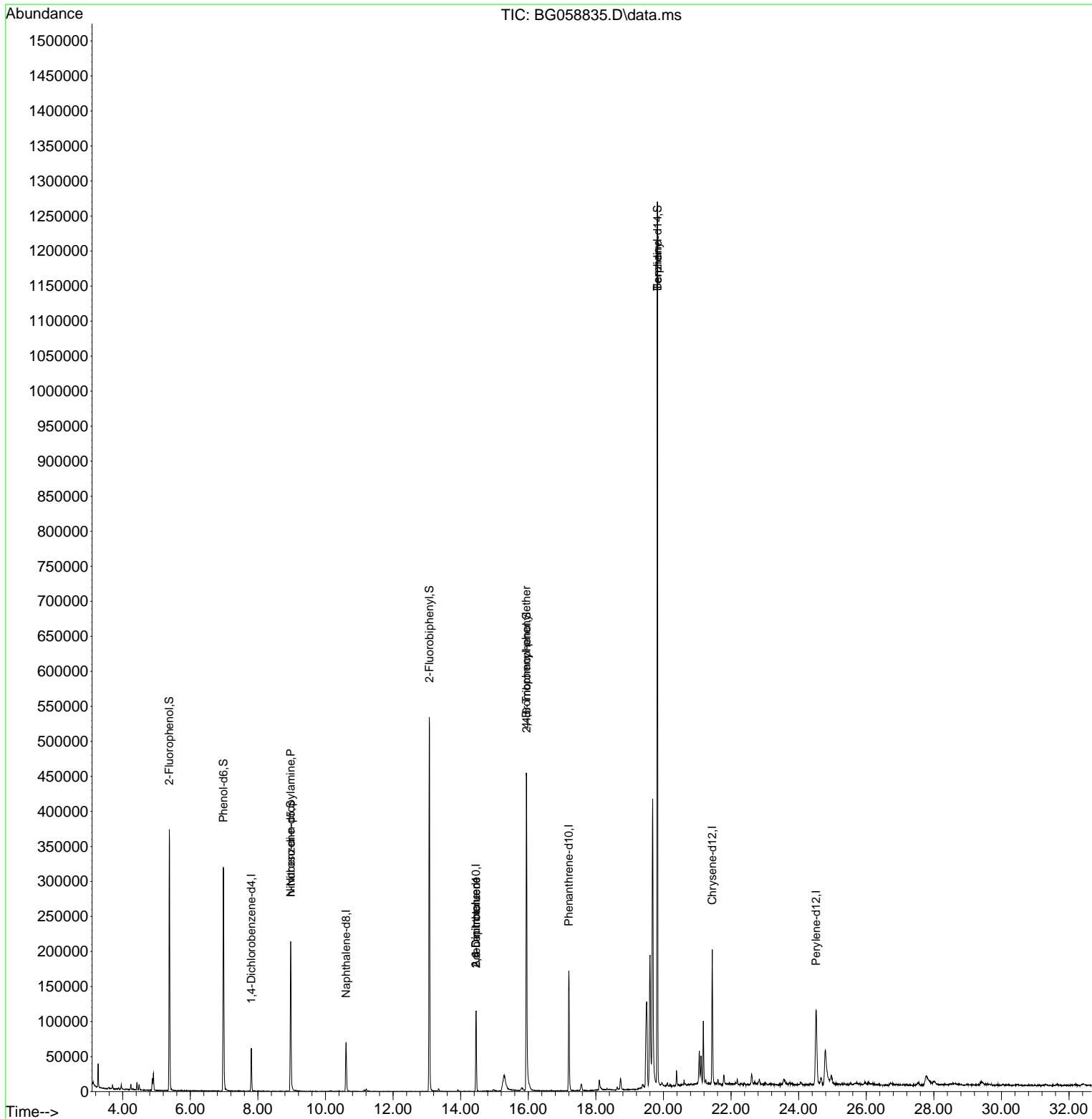
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.807  | 152  | 16846    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.609 | 136  | 65913    | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.452 | 164  | 48739    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.201 | 188  | 127101   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.443 | 240  | 117553   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 24.516 | 264  | 144057   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.380  | 112  | 148239   | 141.609 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.978  | 99   | 179889   | 122.482 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.970  | 82   | 129987   | 94.814  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.950 | 330  | 118473   | 155.025 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.077 | 172  | 309752   | 92.436  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.822 | 244  | 629012   | 96.080  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
| 19) n-Nitroso-di-n-propyla... | 8.970  | 70   | 17409    | 18.337  | ng    | # 73     |
| 51) 2,6-Dinitrotoluene        | 14.452 | 165  | 6258     | 7.893   | ng    | # 22     |
| 57) 2,4-Dinitrotoluene        | 14.452 | 165  | 6258     | 5.659   | ng    | # 19     |
| 67) 4-Bromophenyl-phenylether | 15.944 | 248  | 7015     | 5.030   | ng    | # 1      |
| 77) Benzidine                 | 19.822 | 184  | 9445     | 4.483   | ng    | # 93     |

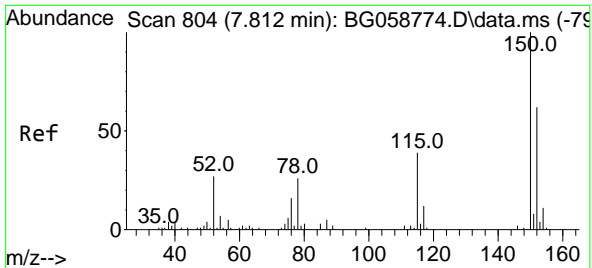
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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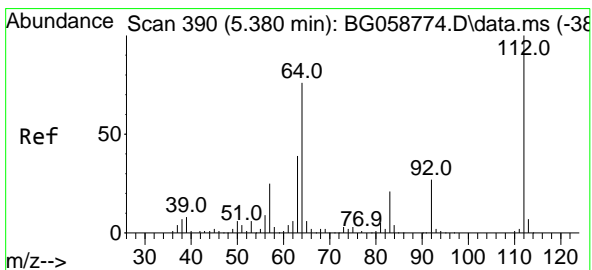
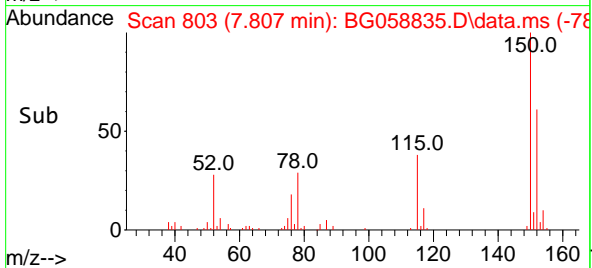
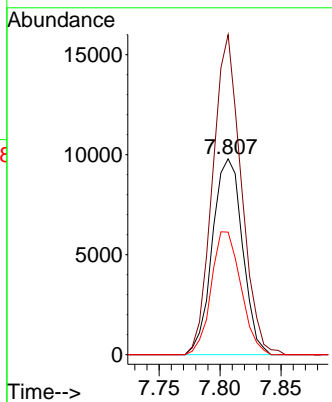
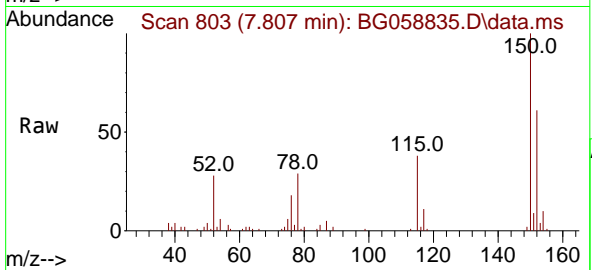


#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.807 min Scan# 80  
 Delta R.T. -0.005 min  
 Lab File: BG058835.D  
 Acq: 24 Aug 2023 12:33

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-I

Tgt Ion:152 Resp: 16846

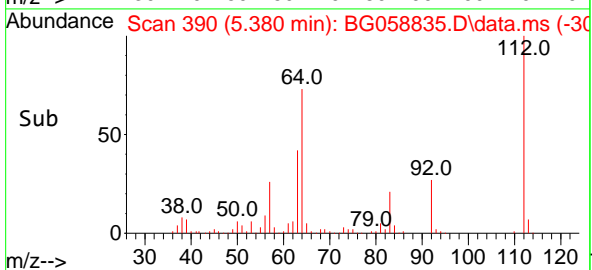
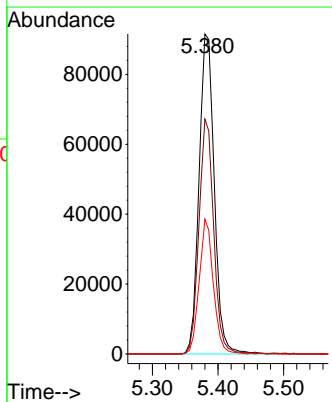
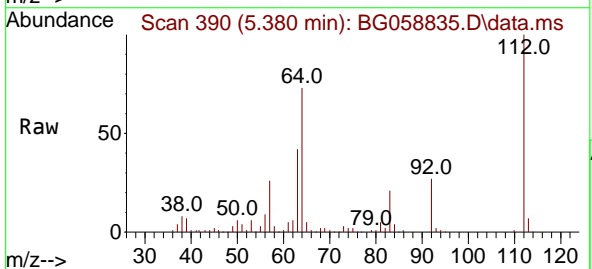
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 150 | 163.4 | 128.6 | 192.8 |
| 115 | 62.6  | 50.4  | 75.6  |

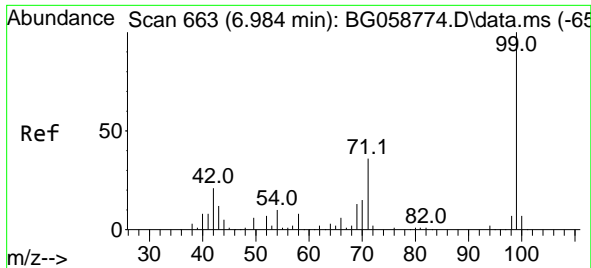


#5  
 2-Fluorophenol  
 Concen: 141.609 ng  
 RT: 5.380 min Scan# 390  
 Delta R.T. 0.000 min  
 Lab File: BG058835.D  
 Acq: 24 Aug 2023 12:33

Tgt Ion:112 Resp: 148239

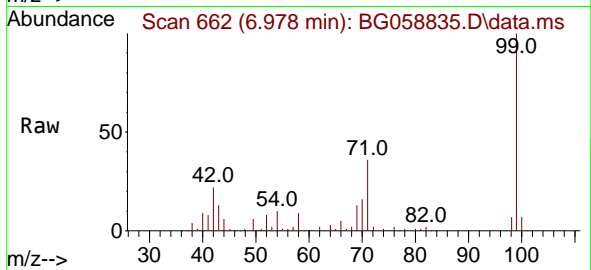
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 112 | 100   |       |       |
| 64  | 73.4  | 60.6  | 90.8  |
| 63  | 42.1  | 31.0  | 46.4  |



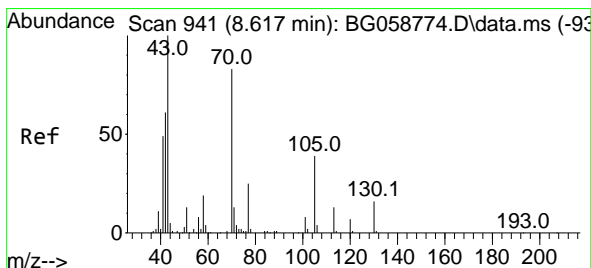
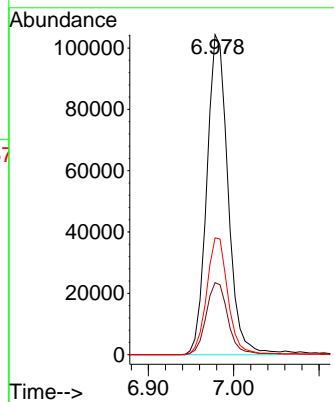
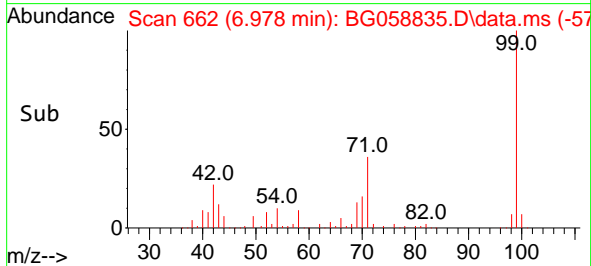


#7  
Phenol-d6  
Concen: 122.482 ng  
RT: 6.978 min Scan# 60  
Delta R.T. -0.006 min  
Lab File: BG058835.D  
Acq: 24 Aug 2023 12:33

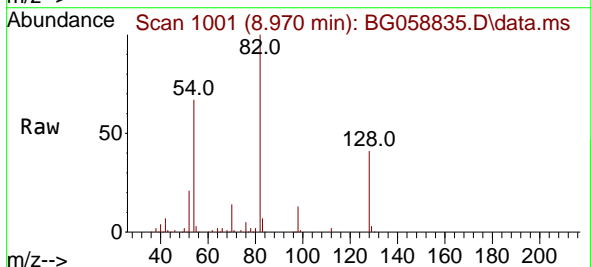
Instrument :  
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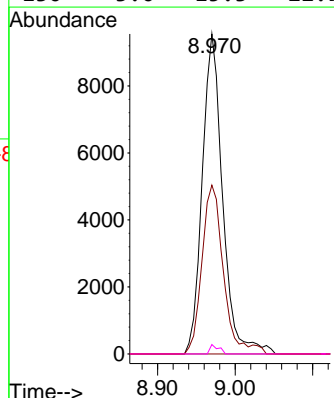
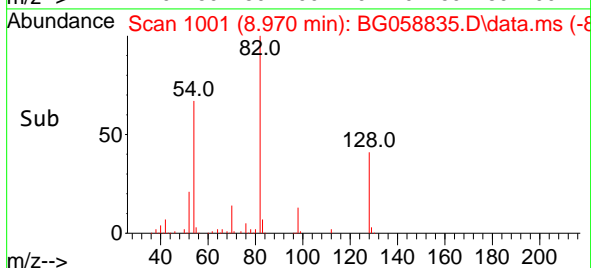
Tgt Ion: 99 Resp: 179889  
Ion Ratio Lower Upper  
99 100  
42 22.5 16.5 24.7  
71 36.5 28.4 42.6

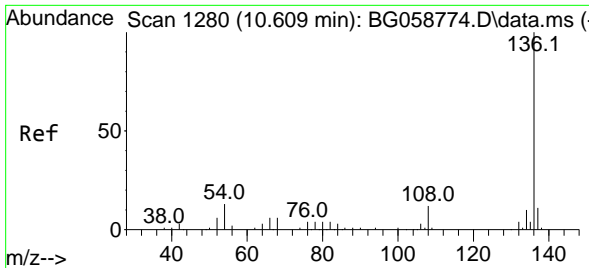


#19  
n-Nitroso-di-n-propylamine  
Concen: 18.337 ng  
RT: 8.970 min Scan# 1001  
Delta R.T. 0.353 min  
Lab File: BG058835.D  
Acq: 24 Aug 2023 12:33



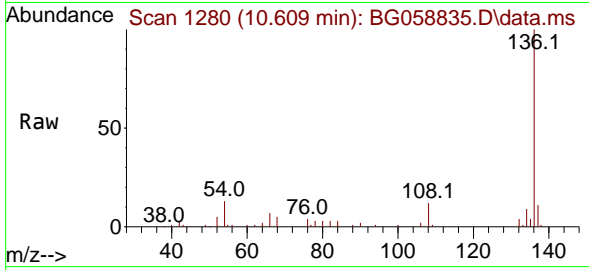
Tgt Ion: 70 Resp: 17409  
Ion Ratio Lower Upper  
70 100  
42 52.7 59.2 88.8#  
101 0.0 8.2 12.2#  
130 3.0 15.3 22.9#



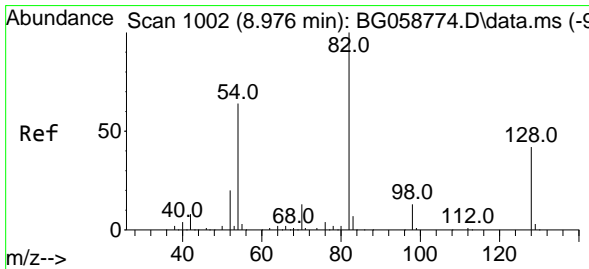
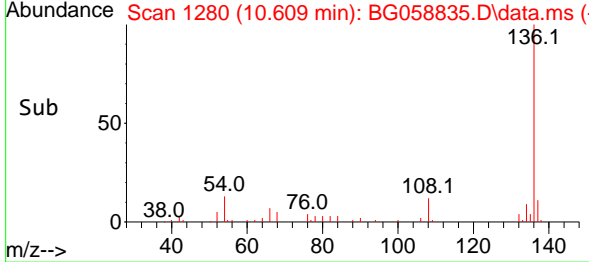
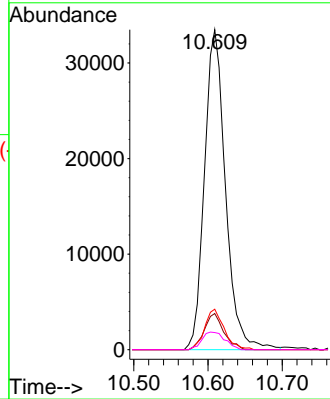


#21  
 Naphthalene-d8  
 Concen: 20.000 ng  
 RT: 10.609 min Scan# 111  
 Delta R.T. 0.000 min  
 Lab File: BG058835.D  
 Acq: 24 Aug 2023 12:33

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-I

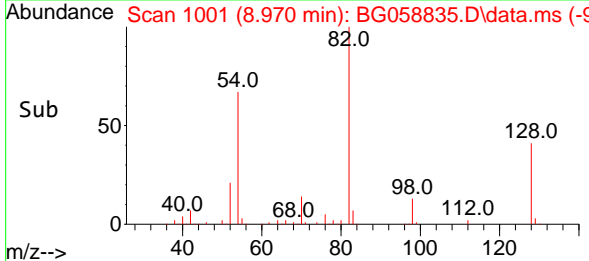
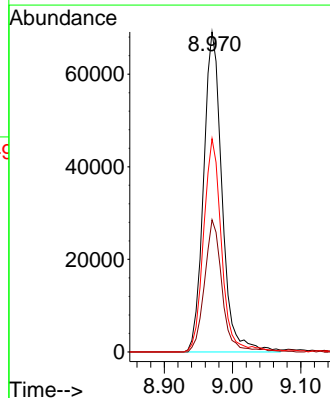
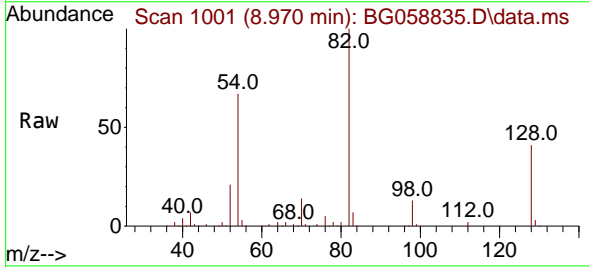


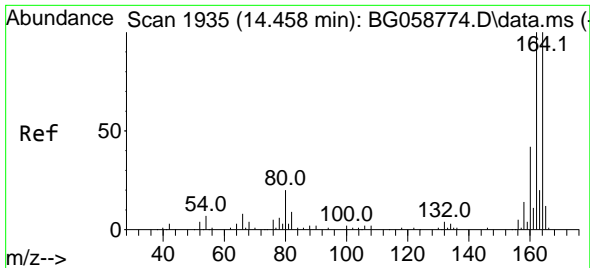
Tgt Ion:136 Resp: 65913  
 Ion Ratio Lower Upper  
 136 100  
 137 11.3 8.7 13.1  
 54 12.7 10.1 15.1  
 68 5.4 5.2 7.8



#23  
 Nitrobenzene-d5  
 Concen: 94.814 ng  
 RT: 8.970 min Scan# 1001  
 Delta R.T. -0.006 min  
 Lab File: BG058835.D  
 Acq: 24 Aug 2023 12:33

Tgt Ion: 82 Resp: 129987  
 Ion Ratio Lower Upper  
 82 100  
 128 41.3 33.2 49.8  
 54 66.6 51.2 76.8

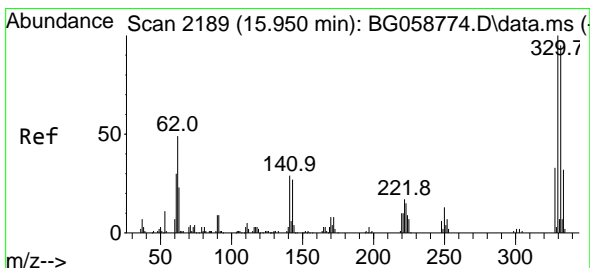
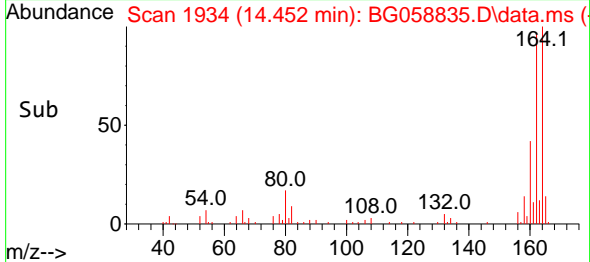
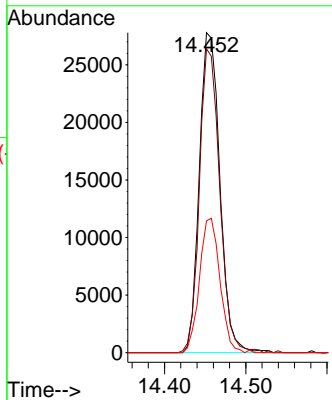
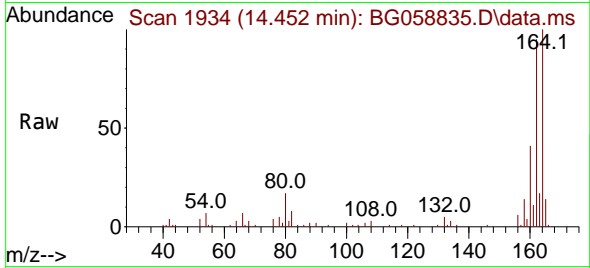




#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.452 min Scan# 1934  
 Delta R.T. -0.006 min  
 Lab File: BG058835.D  
 Acq: 24 Aug 2023 12:33

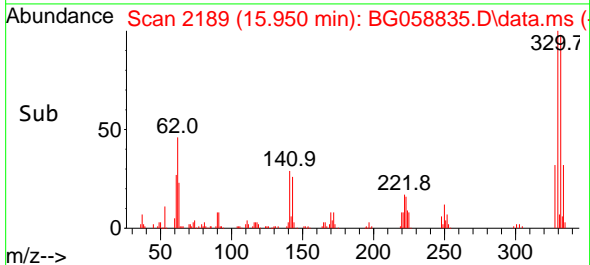
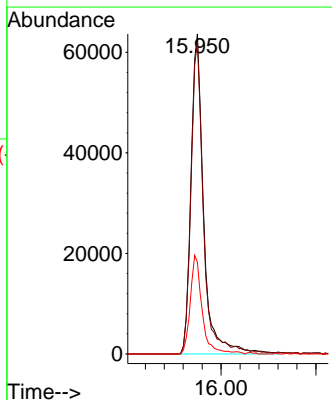
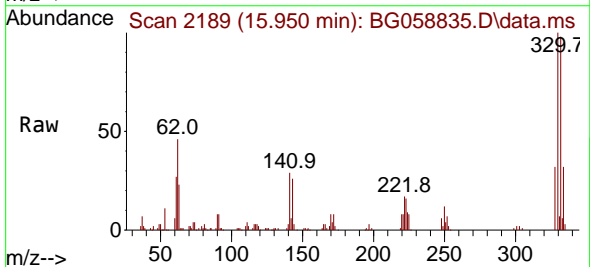
Instrument :  
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 ClientSampleId :  
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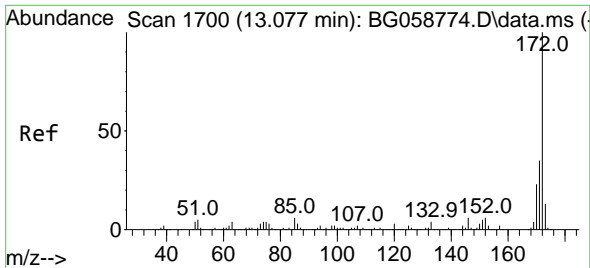
Tgt Ion:164 Resp: 48739  
 Ion Ratio Lower Upper  
 164 100  
 162 95.0 79.6 119.4  
 160 41.2 34.0 51.0



#42  
 2,4,6-Tribromophenol  
 Concen: 155.025 ng  
 RT: 15.950 min Scan# 2189  
 Delta R.T. 0.000 min  
 Lab File: BG058835.D  
 Acq: 24 Aug 2023 12:33

Tgt Ion:330 Resp: 118473  
 Ion Ratio Lower Upper  
 330 100  
 332 95.9 78.5 117.7  
 141 28.5 23.0 34.6

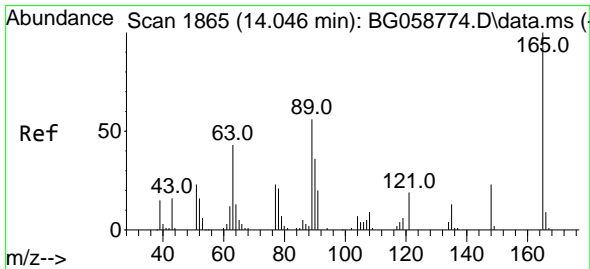
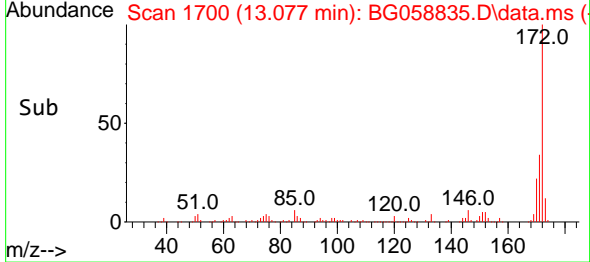
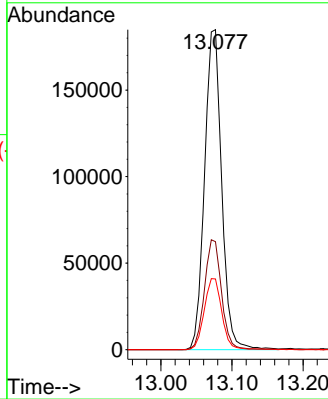
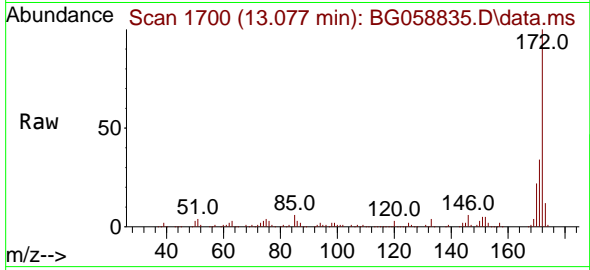




#45  
 2-Fluorobiphenyl  
 Concen: 92.436 ng  
 RT: 13.077 min Scan# 11  
 Delta R.T. -0.000 min  
 Lab File: BG058835.D  
 Acq: 24 Aug 2023 12:33

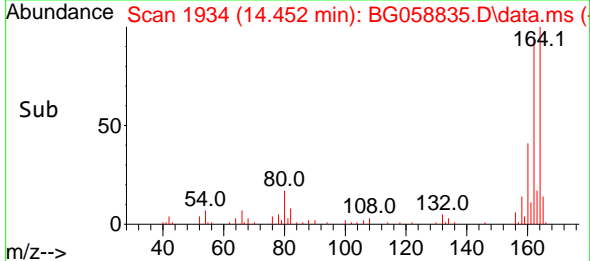
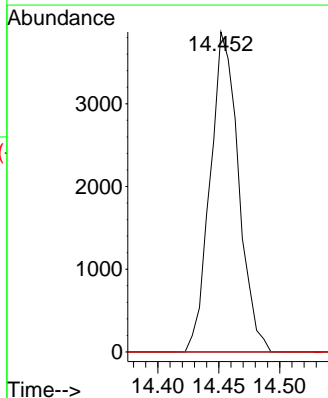
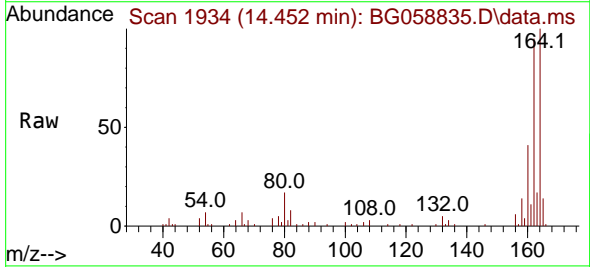
Instrument :  
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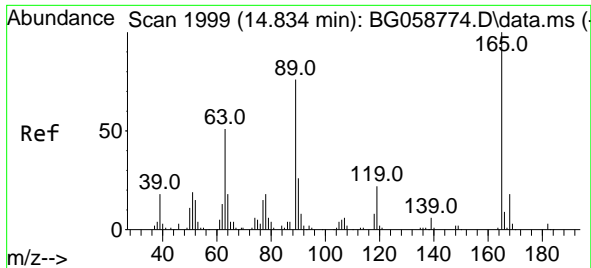
Tgt Ion:172 Resp: 309752  
 Ion Ratio Lower Upper  
 172 100  
 171 33.8 28.1 42.1  
 170 22.1 18.6 27.8



#51  
 2,6-Dinitrotoluene  
 Concen: 7.893 ng  
 RT: 14.452 min Scan# 1934  
 Delta R.T. 0.405 min  
 Lab File: BG058835.D  
 Acq: 24 Aug 2023 12:33

Tgt Ion:165 Resp: 6258  
 Ion Ratio Lower Upper  
 165 100  
 63 0.0 47.2 70.8#  
 89 0.0 45.0 67.4#



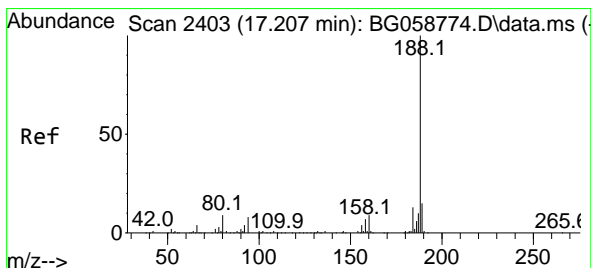
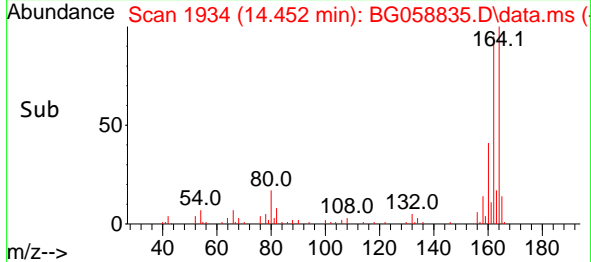
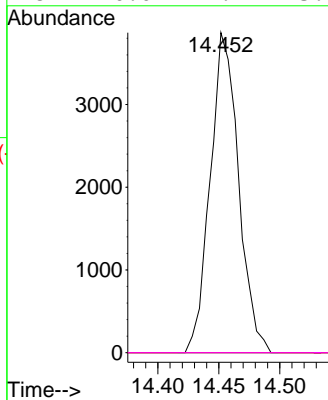
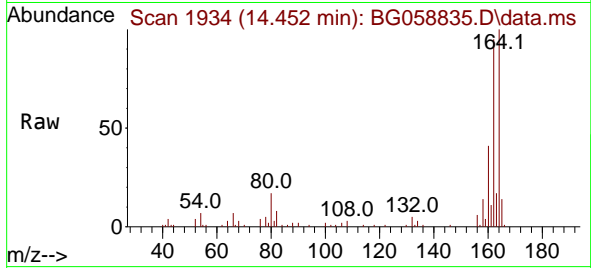


#57  
 2,4-Dinitrotoluene  
 Concen: 5.659 ng  
 RT: 14.452 min Scan# 1999  
 Delta R.T. -0.382 min  
 Lab File: BG058835.D  
 Acq: 24 Aug 2023 12:33

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-I

Tgt Ion:165 Resp: 6258

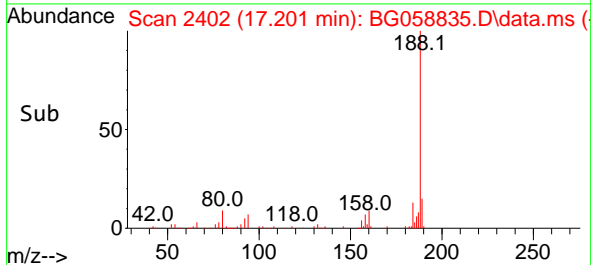
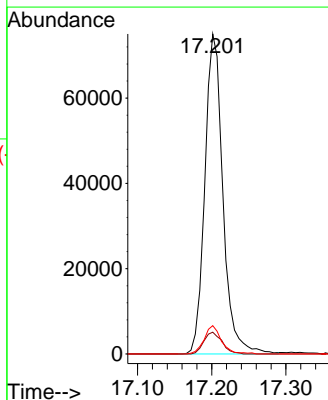
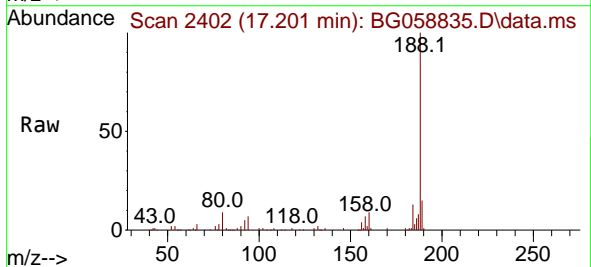
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 165 | 100   |       |       |
| 63  | 0.0   | 41.8  | 62.6# |
| 89  | 0.0   | 60.7  | 91.1# |
| 182 | 0.0   | 2.1   | 3.1#  |



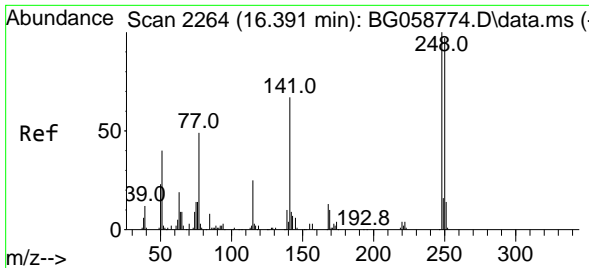
#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.201 min Scan# 2402  
 Delta R.T. -0.006 min  
 Lab File: BG058835.D  
 Acq: 24 Aug 2023 12:33

Tgt Ion:188 Resp: 127101

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 188 | 100   |       |       |
| 94  | 6.8   | 6.1   | 9.1   |
| 80  | 8.8   | 6.9   | 10.3  |



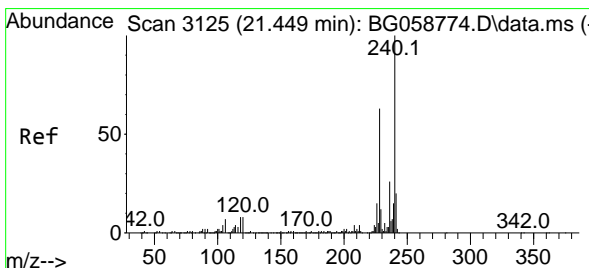
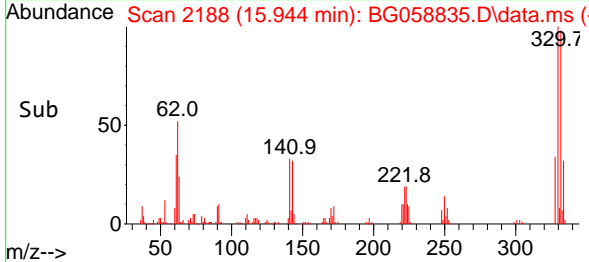
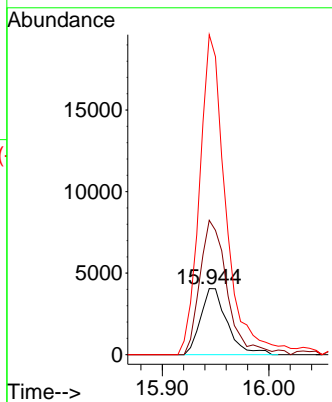
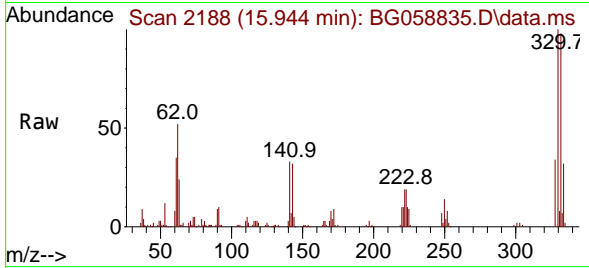




#67  
 4-Bromophenyl-phenylether  
 Concen: 5.030 ng  
 RT: 15.944 min Scan# 2188  
 Delta R.T. -0.447 min  
 Lab File: BG058835.D  
 Acq: 24 Aug 2023 12:33

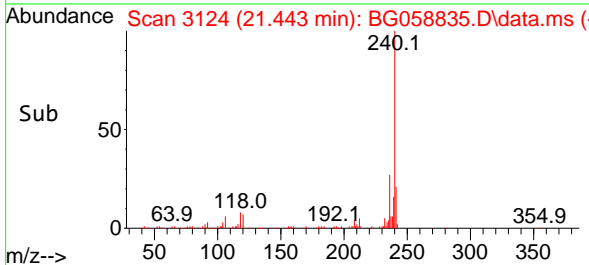
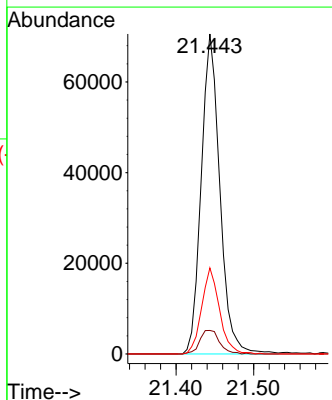
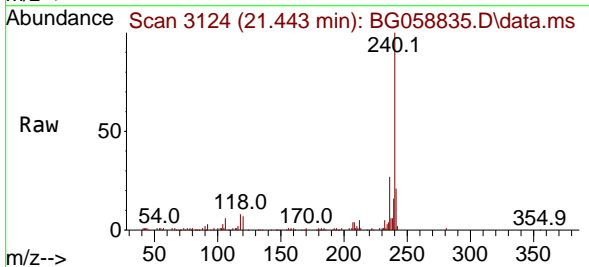
Instrument :  
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 ClientSampleId :  
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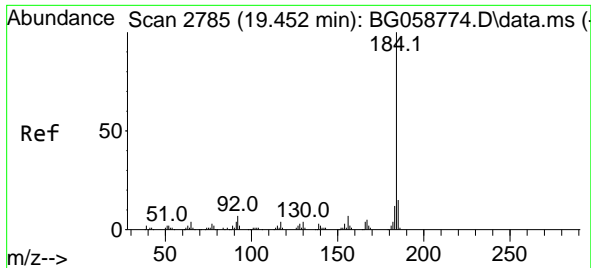
| Tgt Ion | Resp  | Lower | Upper  |
|---------|-------|-------|--------|
| 248     | 100   |       |        |
| 250     | 203.6 | 77.7  | 116.5# |
| 141     | 484.8 | 53.6  | 80.4#  |



#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 21.443 min Scan# 3124  
 Delta R.T. -0.006 min  
 Lab File: BG058835.D  
 Acq: 24 Aug 2023 12:33

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 240     | 100  |       |       |
| 120     | 7.3  | 6.2   | 9.2   |
| 236     | 26.9 | 20.5  | 30.7  |

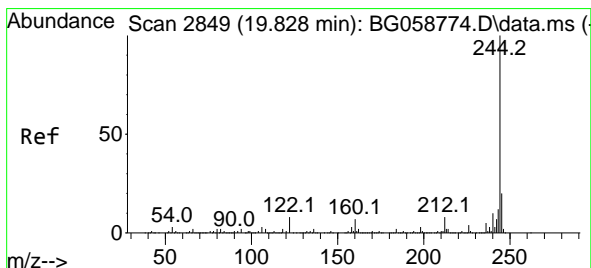
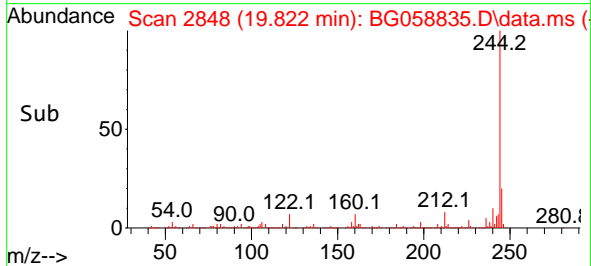
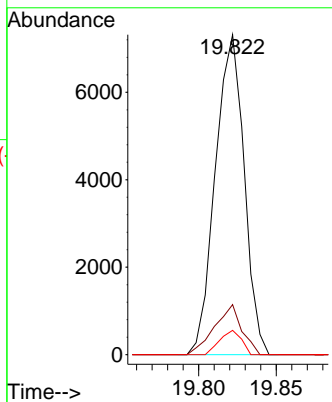
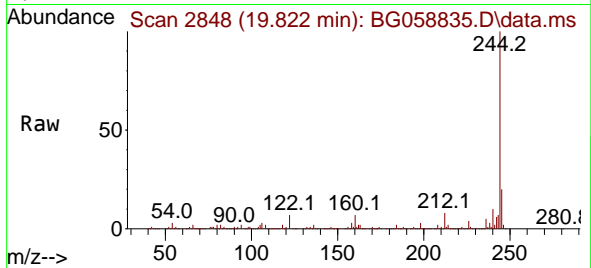




#77  
 Benzidine  
 Concen: 4.483 ng  
 RT: 19.822 min Scan# 2848  
 Delta R.T. 0.370 min  
 Lab File: BG058835.D  
 Acq: 24 Aug 2023 12:33

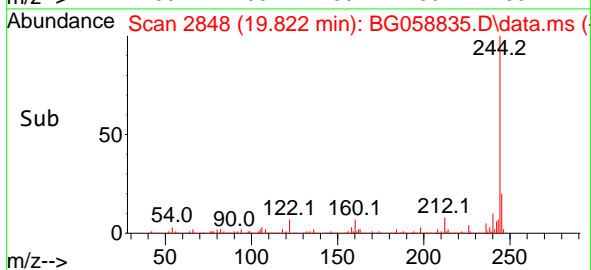
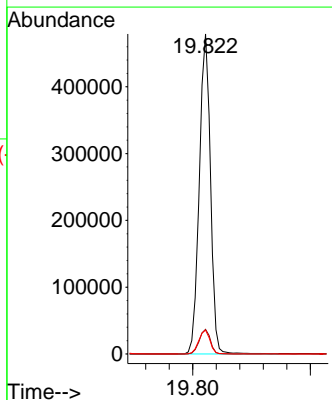
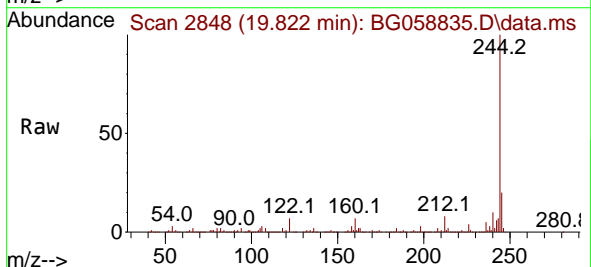
Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-I

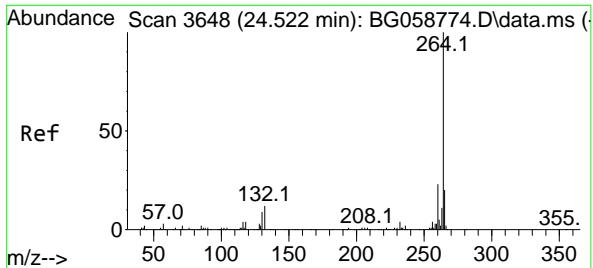
Tgt Ion:184 Resp: 9445  
 Ion Ratio Lower Upper  
 184 100  
 185 15.6 11.9 17.9  
 183 7.6 10.0 15.0#



#79  
 Terphenyl-d14  
 Concen: 96.080 ng  
 RT: 19.822 min Scan# 2848  
 Delta R.T. -0.006 min  
 Lab File: BG058835.D  
 Acq: 24 Aug 2023 12:33

Tgt Ion:244 Resp: 629012  
 Ion Ratio Lower Upper  
 244 100  
 212 7.7 6.2 9.2  
 122 7.5 6.3 9.5





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.516 min Scan# 30  
 Delta R.T. -0.006 min  
 Lab File: BG058835.D  
 Acq: 24 Aug 2023 12:33

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-I

Tgt Ion:264 Resp: 144057

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 22.8  | 18.2  | 27.2  |
| 265 | 21.6  | 16.4  | 24.6  |

