

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG112223\  
 Data File : BG059823.D  
 Acq On : 22 Nov 2023 18:21  
 Operator : MA/JU  
 Sample : 05432-05  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-7

Quant Time: Nov 23 01:29:18 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG111623.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 17 01:51:38 2023  
 Response via : Initial Calibration

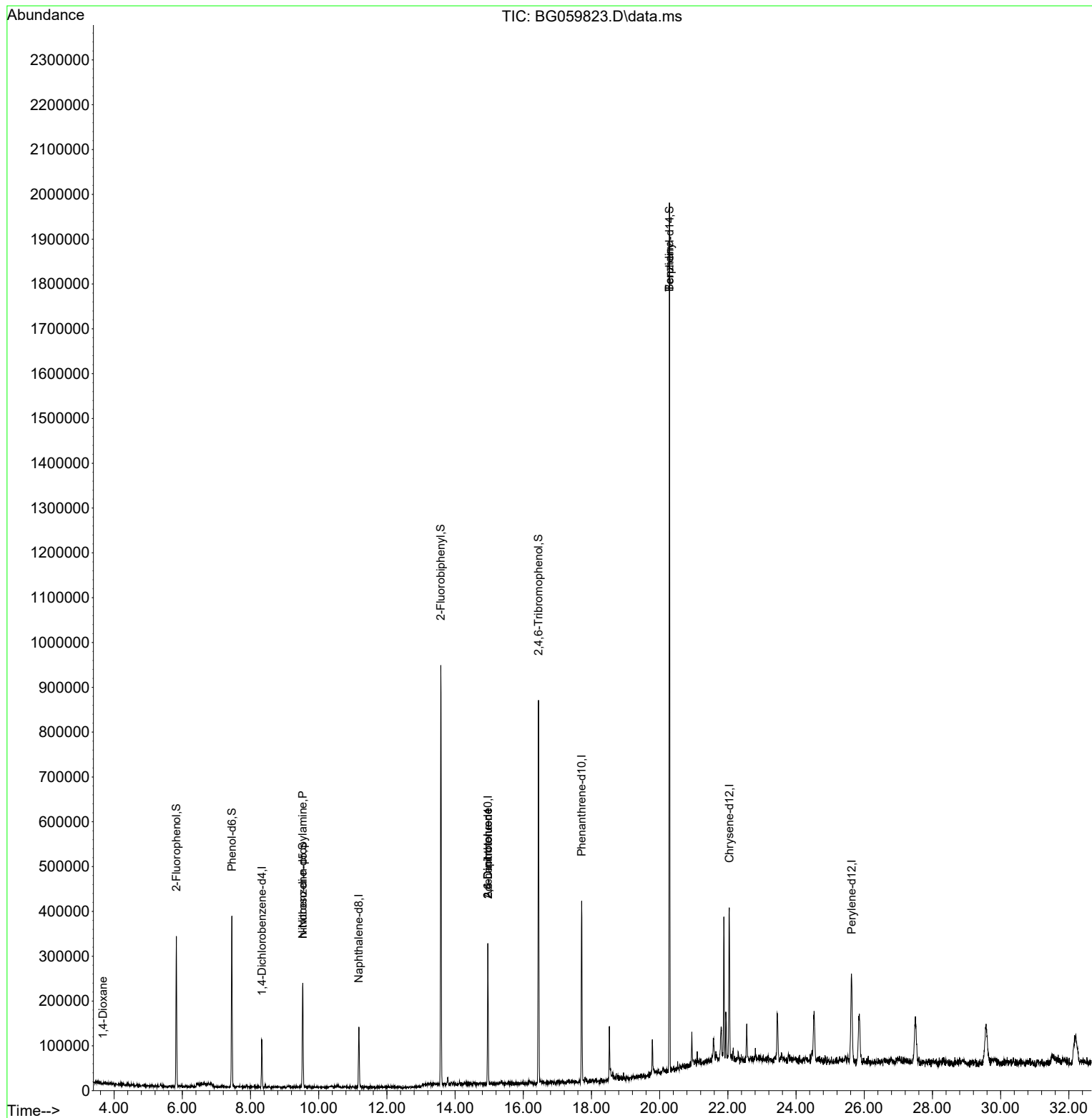
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.334  | 152  | 21261    | 20.000  | ng    | # 0.00   |
| 21) Naphthalene-d8            | 11.178 | 136  | 94555    | 20.000  | ng    | #-0.02   |
| 39) Acenaphthene-d10          | 14.962 | 164  | 91165    | 20.000  | ng    | # 0.00   |
| 64) Phenanthrene-d10          | 17.711 | 188  | 230369   | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12              | 22.042 | 240  | 193515   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 25.631 | 264  | 232506   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.825  | 112  | 114925   | 90.981  | ng    | 0.00     |
| 7) Phenol-d6                  | 7.453  | 99   | 165994   | 88.677  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.533  | 82   | 144598   | 58.405  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.448 | 330  | 118437   | 114.501 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.581 | 172  | 387766   | 57.253  | ng    | -0.02    |
| 79) Terphenyl-d14             | 20.291 | 244  | 809026   | 61.717  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.669  | 88   | 1196     | 2.016   | ng    | # 58     |
| 19) n-Nitroso-di-n-propyla... | 9.533  | 70   | 23009    | 15.609  | ng    | # 85     |
| 51) 2,6-Dinitrotoluene        | 14.962 | 165  | 12316    | 9.189   | ng    | # 1      |
| 57) 2,4-Dinitrotoluene        | 14.962 | 165  | 12316    | 5.975   | ng    | # 1      |
| 77) Benzidine                 | 20.285 | 184  | 27006    | 6.154   | ng    | 96       |
| -----                         |        |      |          |         |       |          |

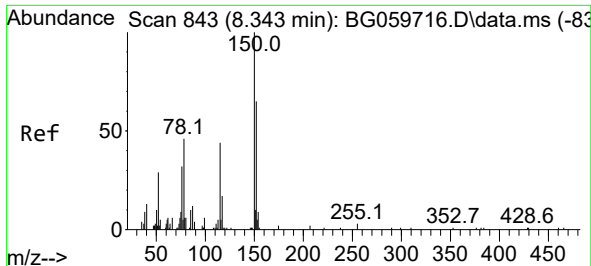
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG112223\  
Data File : BG059823.D  
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Sample : 05432-05  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
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Quant Time: Nov 23 01:29:18 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG111623.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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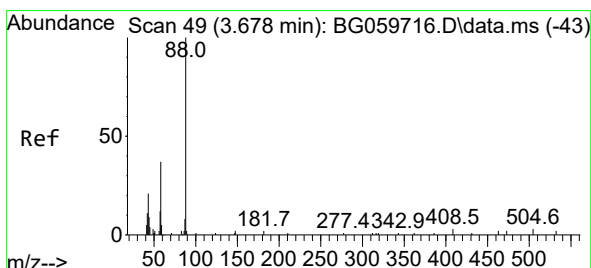
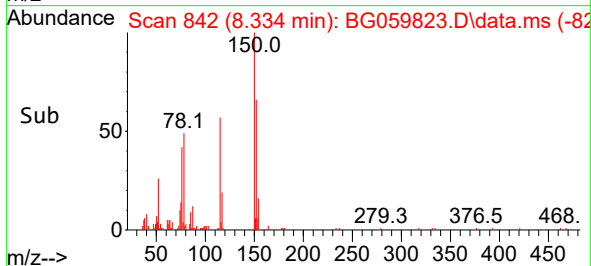
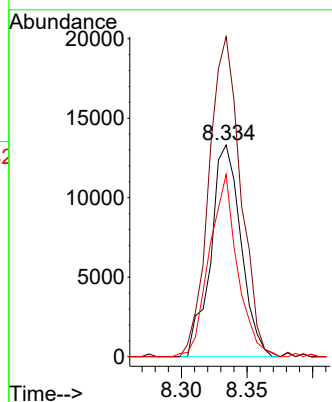
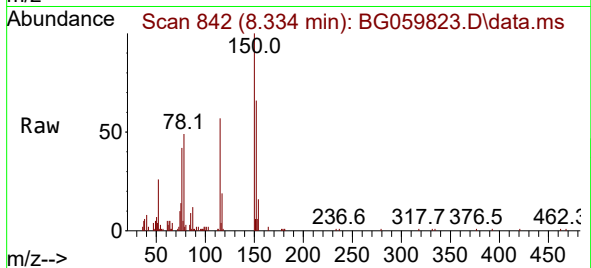




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.334 min Scan# 84  
 Delta R.T. -0.009 min  
 Lab File: BG059823.D  
 Acq: 22 Nov 2023 18:21

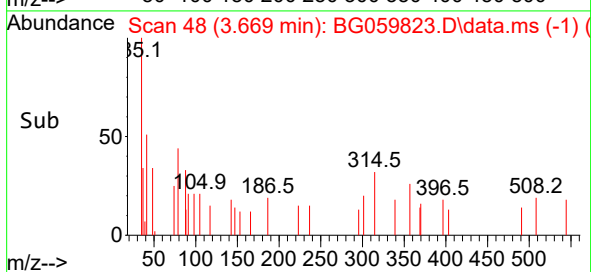
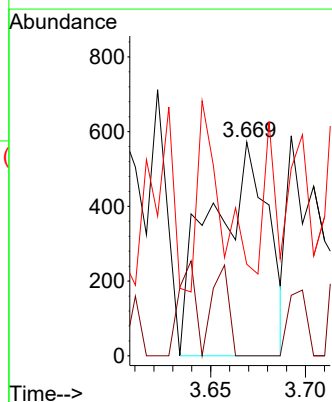
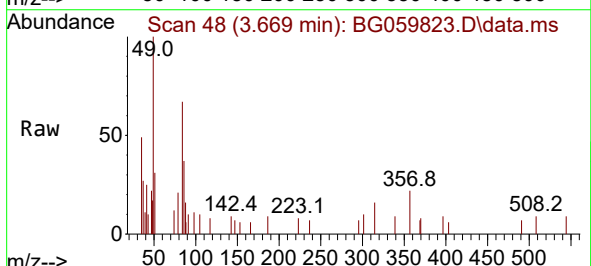
Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-7

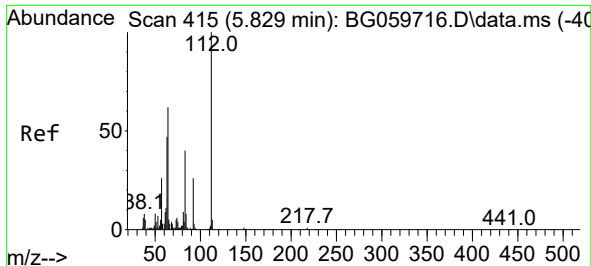
Tgt Ion:152 Resp: 21261  
 Ion Ratio Lower Upper  
 152 100  
 150 151.1 122.2 183.4  
 115 86.1 54.2 81.4#



#2  
 1,4-Dioxane  
 Concen: 2.016 ng  
 RT: 3.669 min Scan# 48  
 Delta R.T. -0.009 min  
 Lab File: BG059823.D  
 Acq: 22 Nov 2023 18:21

Tgt Ion: 88 Resp: 1196  
 Ion Ratio Lower Upper  
 88 100  
 58 12.5 28.6 42.8#  
 43 0.0 17.5 26.3#

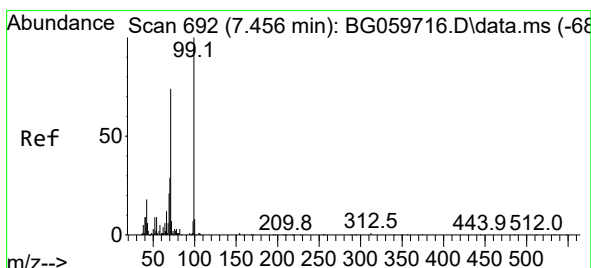
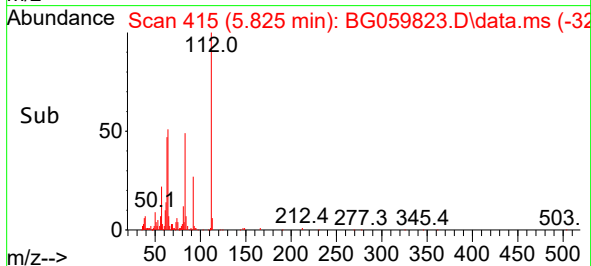
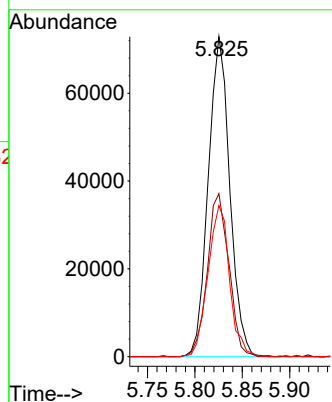
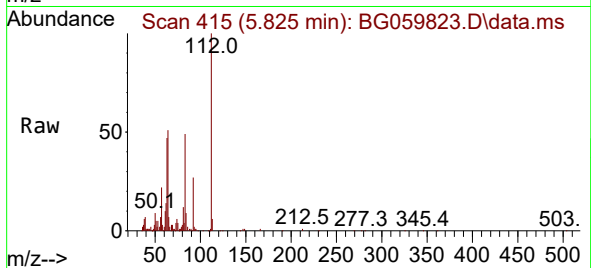




#5  
2-Fluorophenol  
Concen: 90.981 ng  
RT: 5.825 min Scan# 415  
Delta R.T. -0.003 min  
Lab File: BG059823.D  
Acq: 22 Nov 2023 18:21

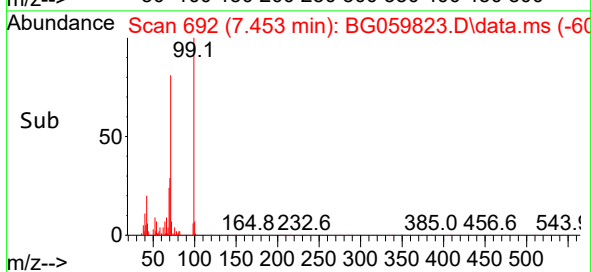
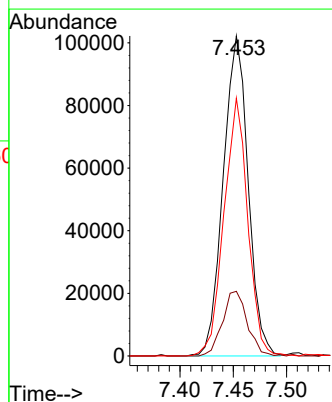
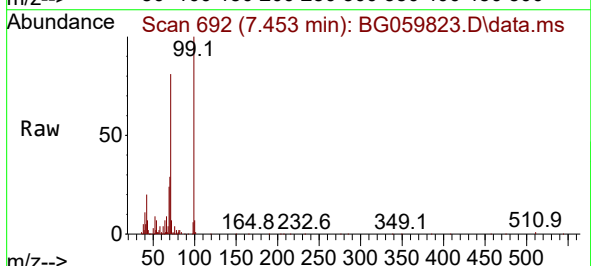
Instrument :  
BNA\_G  
ClientSampleId :  
TP-7

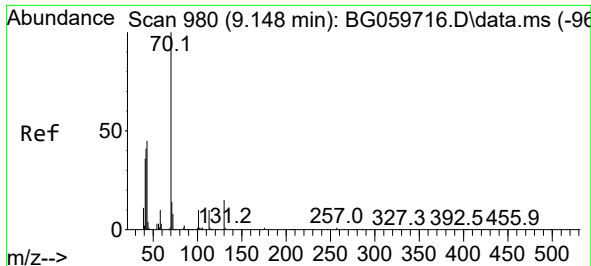
Tgt Ion:112 Resp: 114925  
Ion Ratio Lower Upper  
112 100  
64 51.0 49.5 74.3  
63 47.3 37.4 56.2



#7  
Phenol-d6  
Concen: 88.677 ng  
RT: 7.453 min Scan# 692  
Delta R.T. -0.003 min  
Lab File: BG059823.D  
Acq: 22 Nov 2023 18:21

Tgt Ion: 99 Resp: 165994  
Ion Ratio Lower Upper  
99 100  
42 20.2 14.3 21.5  
71 80.6 59.3 88.9

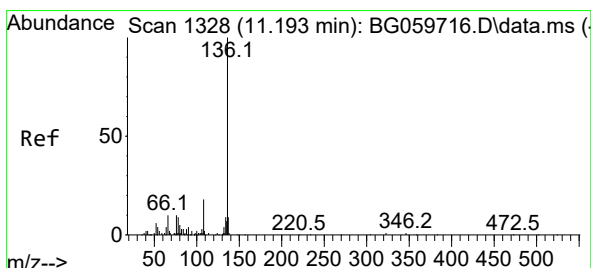
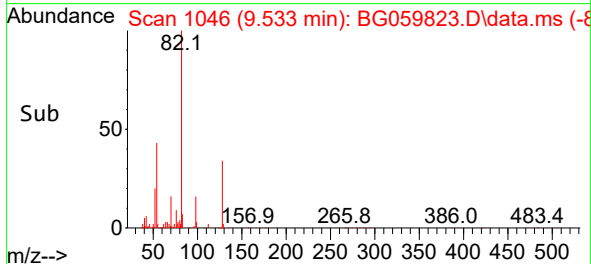
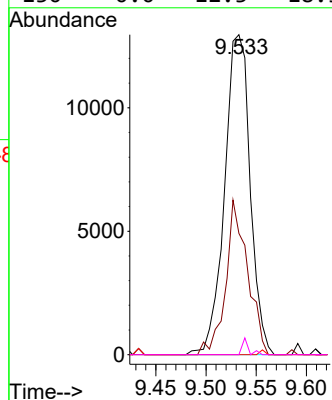
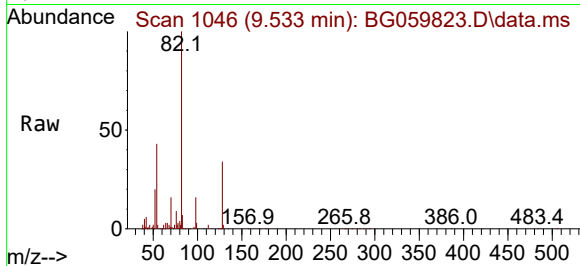




#19  
n-Nitroso-di-n-propylamine  
Concen: 15.609 ng  
RT: 9.533 min Scan# 1046  
Delta R.T. 0.384 min  
Lab File: BG059823.D  
Acq: 22 Nov 2023 18:21

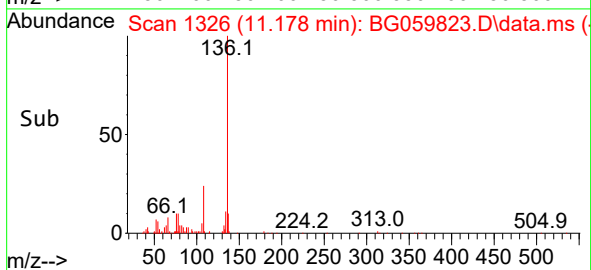
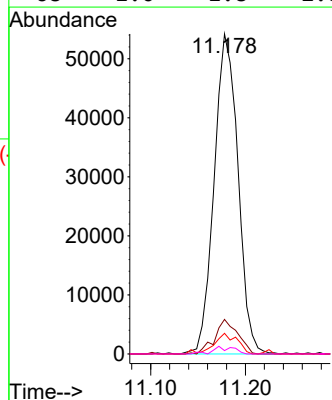
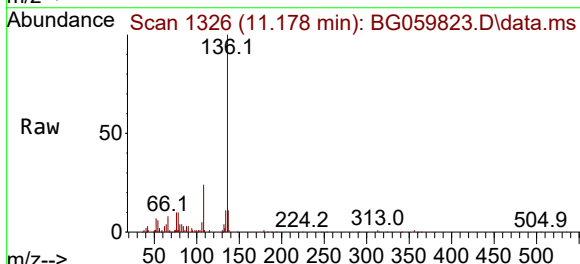
Instrument :  
BNA\_G  
ClientSampleId :  
TP-7

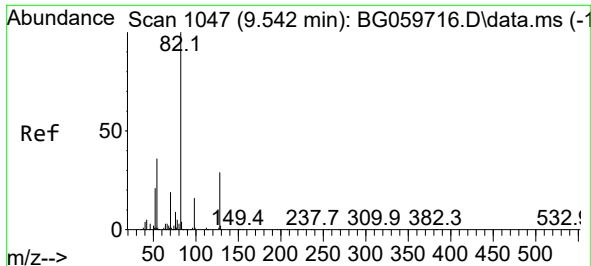
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 70    | Resp: | 23009 |
| Ion Ratio | Lower | Upper |       |
| 70        | 100   |       |       |
| 42        | 37.9  | 32.8  | 49.2  |
| 101       | 0.0   | 7.7   | 11.5# |
| 130       | 0.0   | 12.3  | 18.5# |



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.178 min Scan# 1326  
Delta R.T. -0.015 min  
Lab File: BG059823.D  
Acq: 22 Nov 2023 18:21

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 136   | Resp: | 94555 |
| Ion Ratio | Lower | Upper |       |
| 136       | 100   |       |       |
| 137       | 10.8  | 7.4   | 11.0  |
| 54        | 6.5   | 3.1   | 4.7#  |
| 68        | 1.0   | 1.8   | 2.8#  |

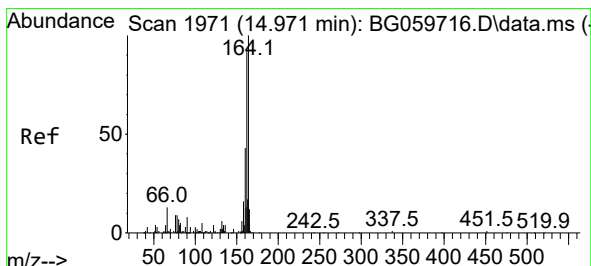
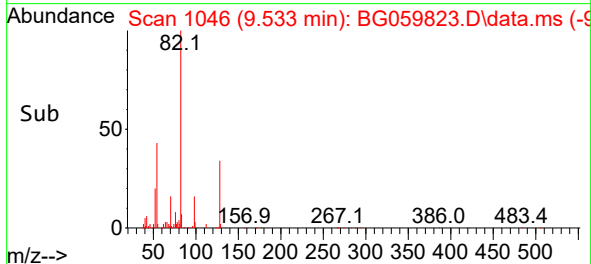
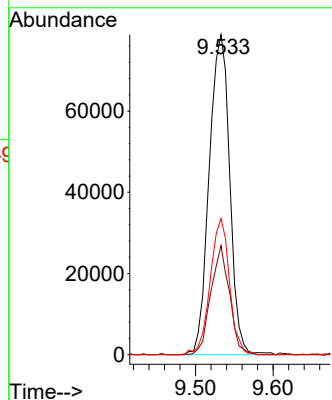
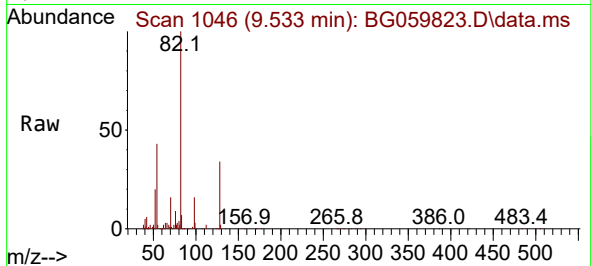




#23  
Nitrobenzene-d5  
Concen: 58.405 ng  
RT: 9.533 min Scan# 1046  
Delta R.T. -0.009 min  
Lab File: BG059823.D  
Acq: 22 Nov 2023 18:21

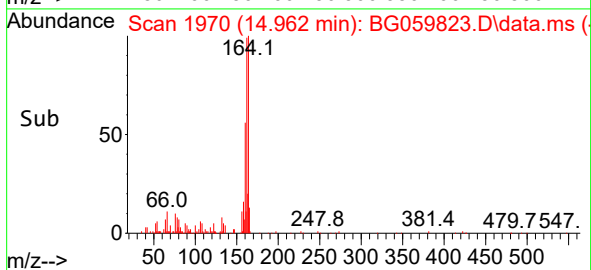
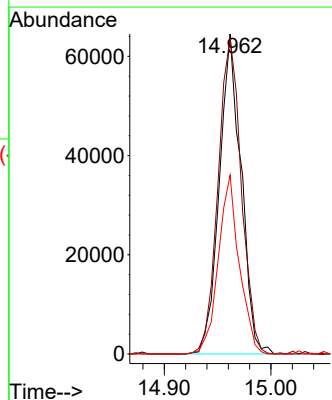
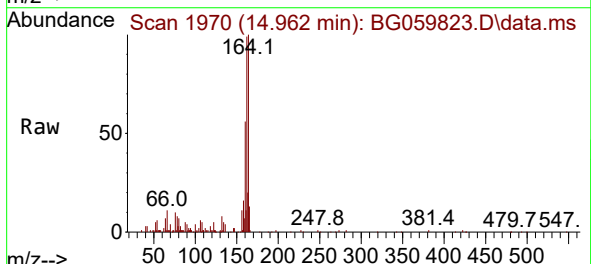
Instrument :  
BNA\_G  
ClientSampleId :  
TP-7

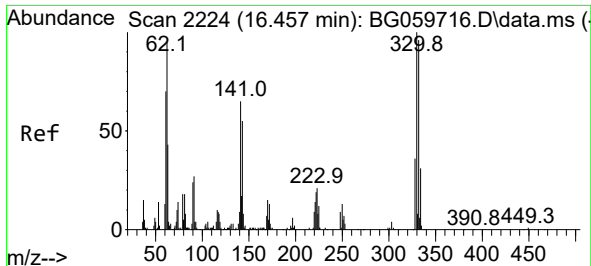
Tgt Ion: 82 Resp: 144598  
Ion Ratio Lower Upper  
82 100  
128 34.1 23.0 34.6  
54 42.6 28.7 43.1



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.962 min Scan# 1970  
Delta R.T. -0.009 min  
Lab File: BG059823.D  
Acq: 22 Nov 2023 18:21

Tgt Ion:164 Resp: 91165  
Ion Ratio Lower Upper  
164 100  
162 98.7 73.3 109.9  
160 55.9 34.1 51.1#

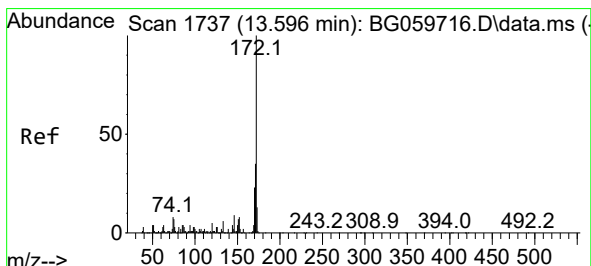
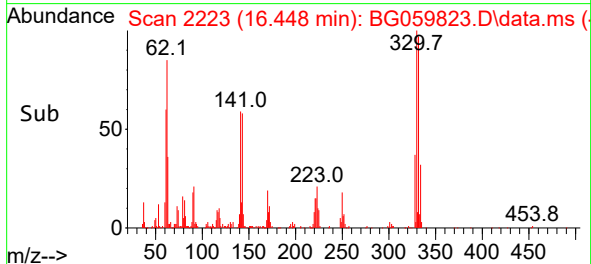
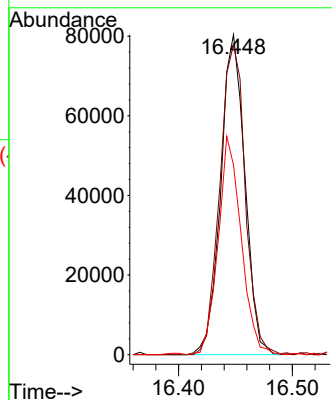
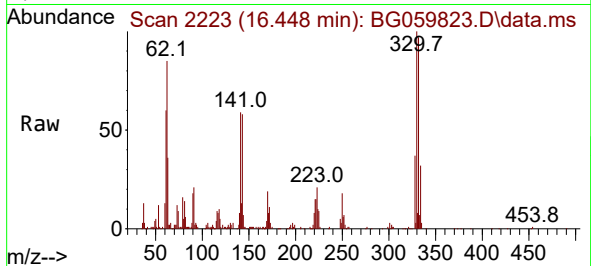




#42  
2,4,6-Tribromophenol  
Concen: 114.501 ng  
RT: 16.448 min Scan# 21  
Delta R.T. -0.009 min  
Lab File: BG059823.D  
Acq: 22 Nov 2023 18:21

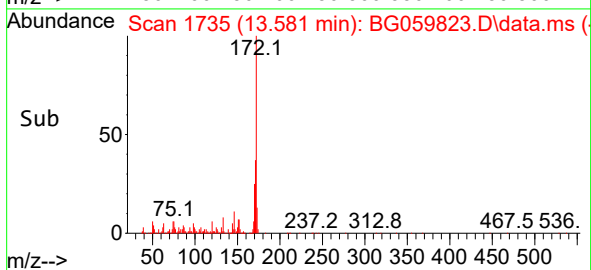
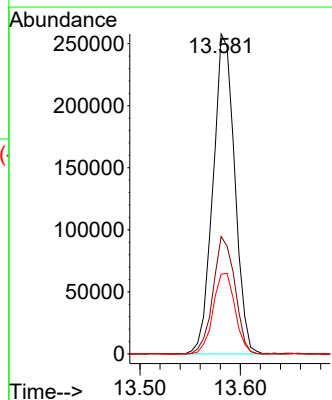
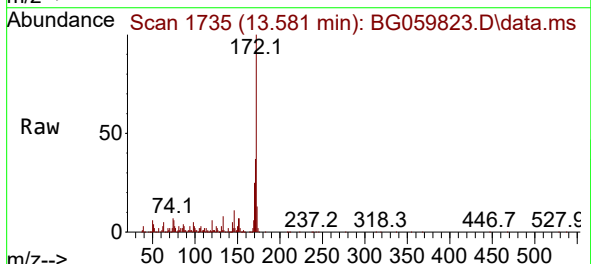
Instrument :  
BNA\_G  
ClientSampleId :  
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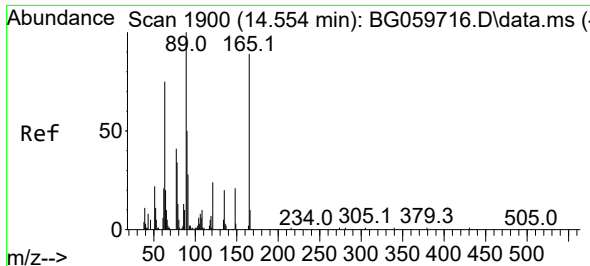
Tgt Ion:330 Resp: 118437  
Ion Ratio Lower Upper  
330 100  
332 102.3 73.3 109.9  
141 65.0 52.1 78.1



#45  
2-Fluorobiphenyl  
Concen: 57.253 ng  
RT: 13.581 min Scan# 1735  
Delta R.T. -0.015 min  
Lab File: BG059823.D  
Acq: 22 Nov 2023 18:21

Tgt Ion:172 Resp: 387766  
Ion Ratio Lower Upper  
172 100  
171 36.7 27.7 41.5  
170 24.9 18.4 27.6

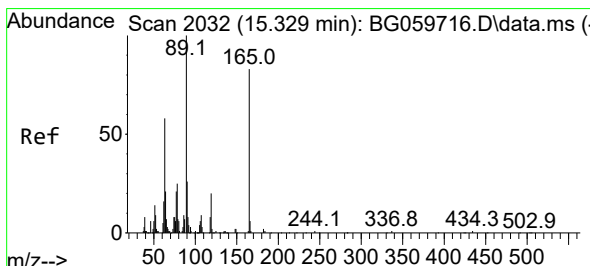
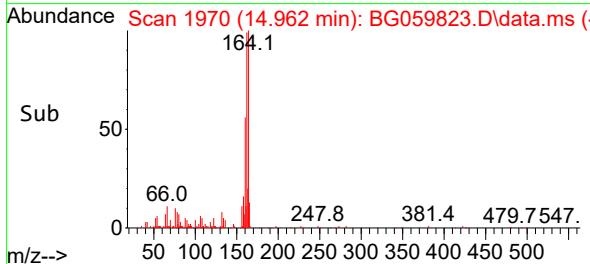
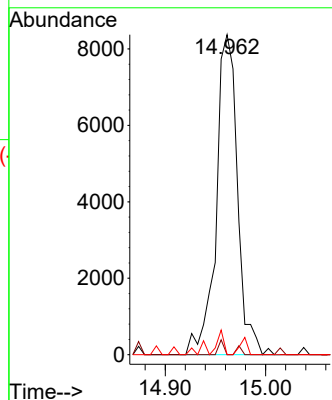
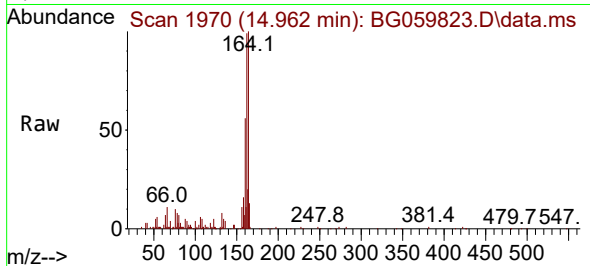




#51  
2,6-Dinitrotoluene  
Concen: 9.189 ng  
RT: 14.962 min Scan# 1900  
Delta R.T. 0.408 min  
Lab File: BG059823.D  
Acq: 22 Nov 2023 18:21

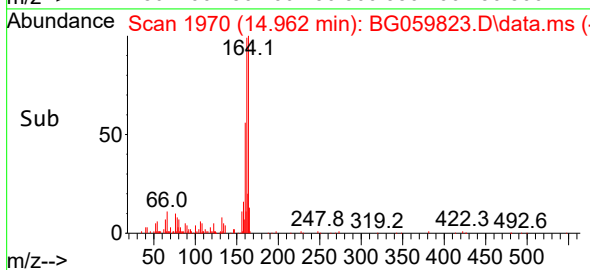
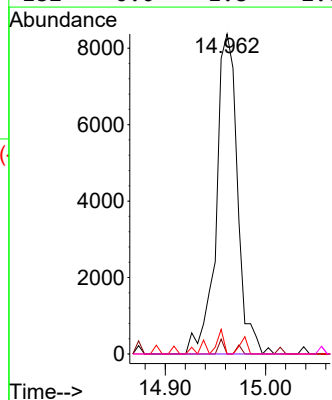
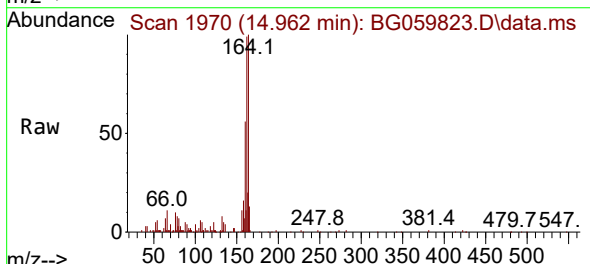
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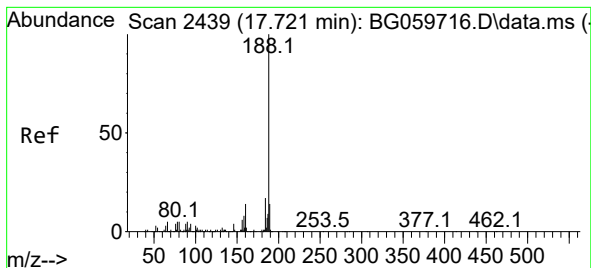
Tgt Ion:165 Resp: 12316  
Ion Ratio Lower Upper  
165 100  
63 0.0 75.3 112.9#  
89 0.0 90.9 136.3#



#57  
2,4-Dinitrotoluene  
Concen: 5.975 ng  
RT: 14.962 min Scan# 1970  
Delta R.T. -0.368 min  
Lab File: BG059823.D  
Acq: 22 Nov 2023 18:21

Tgt Ion:165 Resp: 12316  
Ion Ratio Lower Upper  
165 100  
63 0.0 55.8 83.8#  
89 0.0 96.9 145.3#  
182 0.0 1.8 2.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.711 min Scan# 2438

Delta R.T. -0.009 min

Lab File: BG059823.D

Acq: 22 Nov 2023 18:21

Instrument :

BNA\_G

ClientSampleId :

TP-7

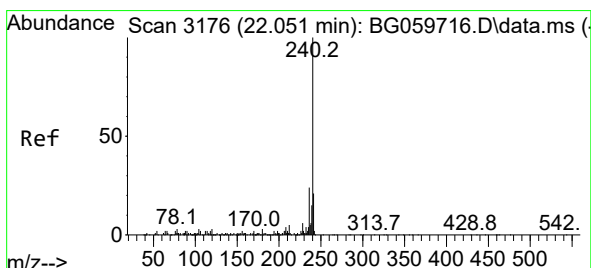
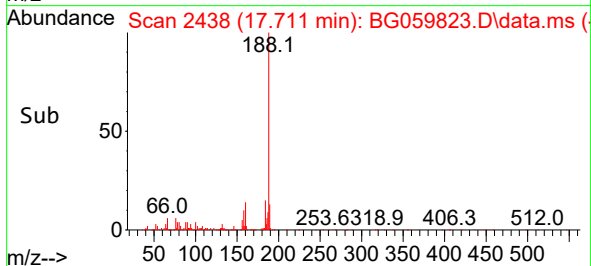
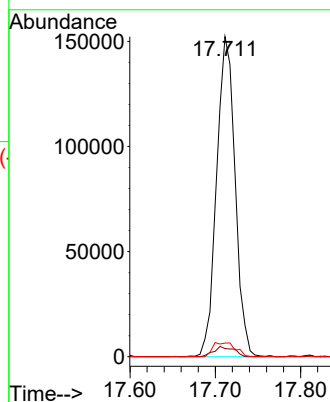
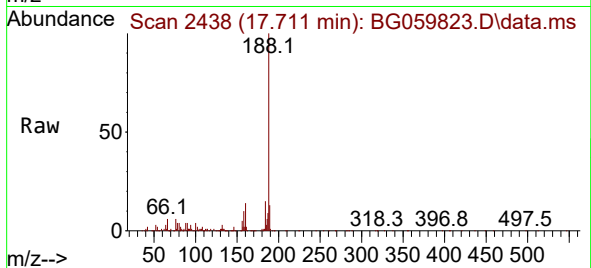
Tgt Ion:188 Resp: 230369

Ion Ratio Lower Upper

188 100

94 2.6 3.0 4.4#

80 4.3 4.2 6.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.042 min Scan# 3175

Delta R.T. -0.009 min

Lab File: BG059823.D

Acq: 22 Nov 2023 18:21

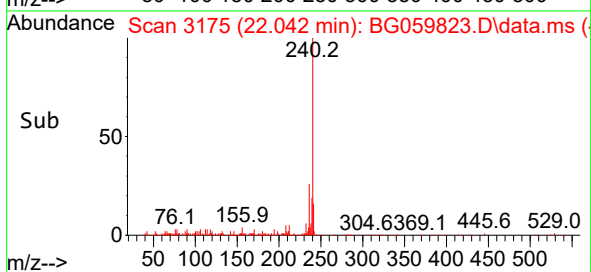
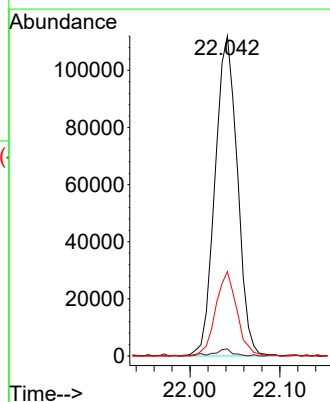
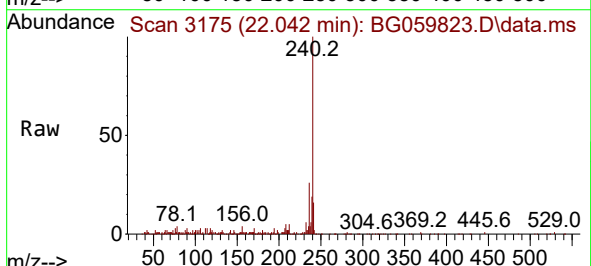
Tgt Ion:240 Resp: 193515

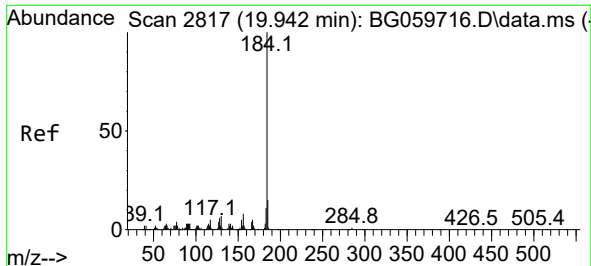
Ion Ratio Lower Upper

240 100

120 2.2 2.2 3.2

236 26.4 19.4 29.2

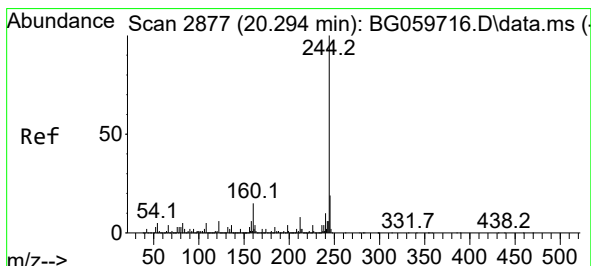
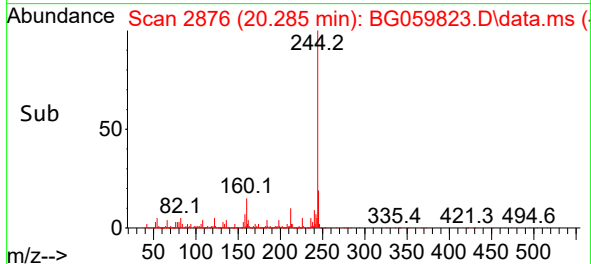
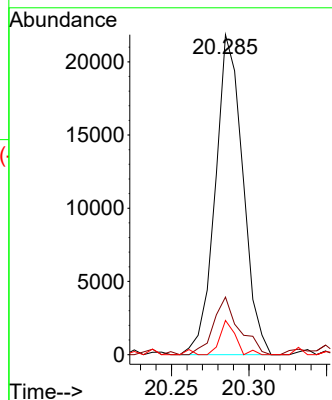
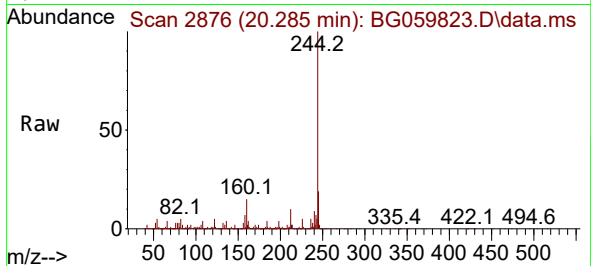




#77  
Benzidine  
Concen: 6.154 ng  
RT: 20.285 min Scan# 2817  
Delta R.T. 0.343 min  
Lab File: BG059823.D  
Acq: 22 Nov 2023 18:21

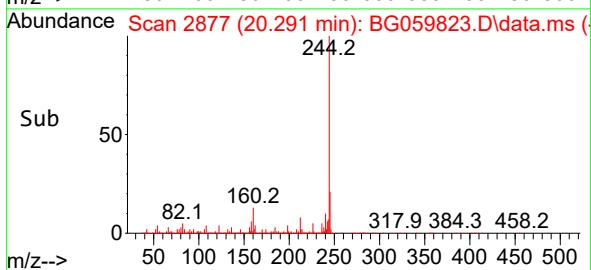
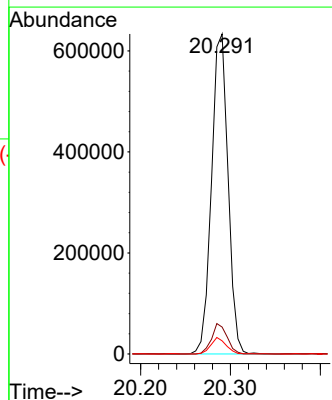
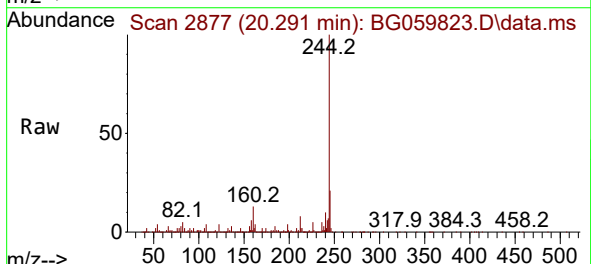
Instrument :  
BNA\_G  
ClientSampleId :  
TP-7

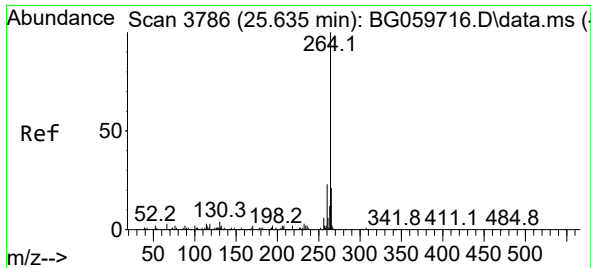
Tgt Ion:184 Resp: 27006  
Ion Ratio Lower Upper  
184 100  
185 18.0 12.2 18.2  
183 10.7 8.8 13.2



#79  
Terphenyl-d14  
Concen: 61.717 ng  
RT: 20.291 min Scan# 2877  
Delta R.T. -0.003 min  
Lab File: BG059823.D  
Acq: 22 Nov 2023 18:21

Tgt Ion:244 Resp: 809026  
Ion Ratio Lower Upper  
244 100  
212 8.4 6.6 10.0  
122 4.1 4.4 6.6#





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 25.631 min Scan# 31  
 Delta R.T. -0.003 min  
 Lab File: BG059823.D  
 Acq: 22 Nov 2023 18:21

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-7

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 264   | Resp: | 232506 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 24.3  | 18.5  | 27.7   |
| 265      | 21.8  | 17.0  | 25.6   |

