

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG050124\  
 Data File : BG061073.D  
 Acq On : 1 May 2024 12:38  
 Operator : MA/JU  
 Sample : P2307-02  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: May 01 13:37:43 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG043024.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 01 05:11:25 2024  
 Response via : Initial Calibration

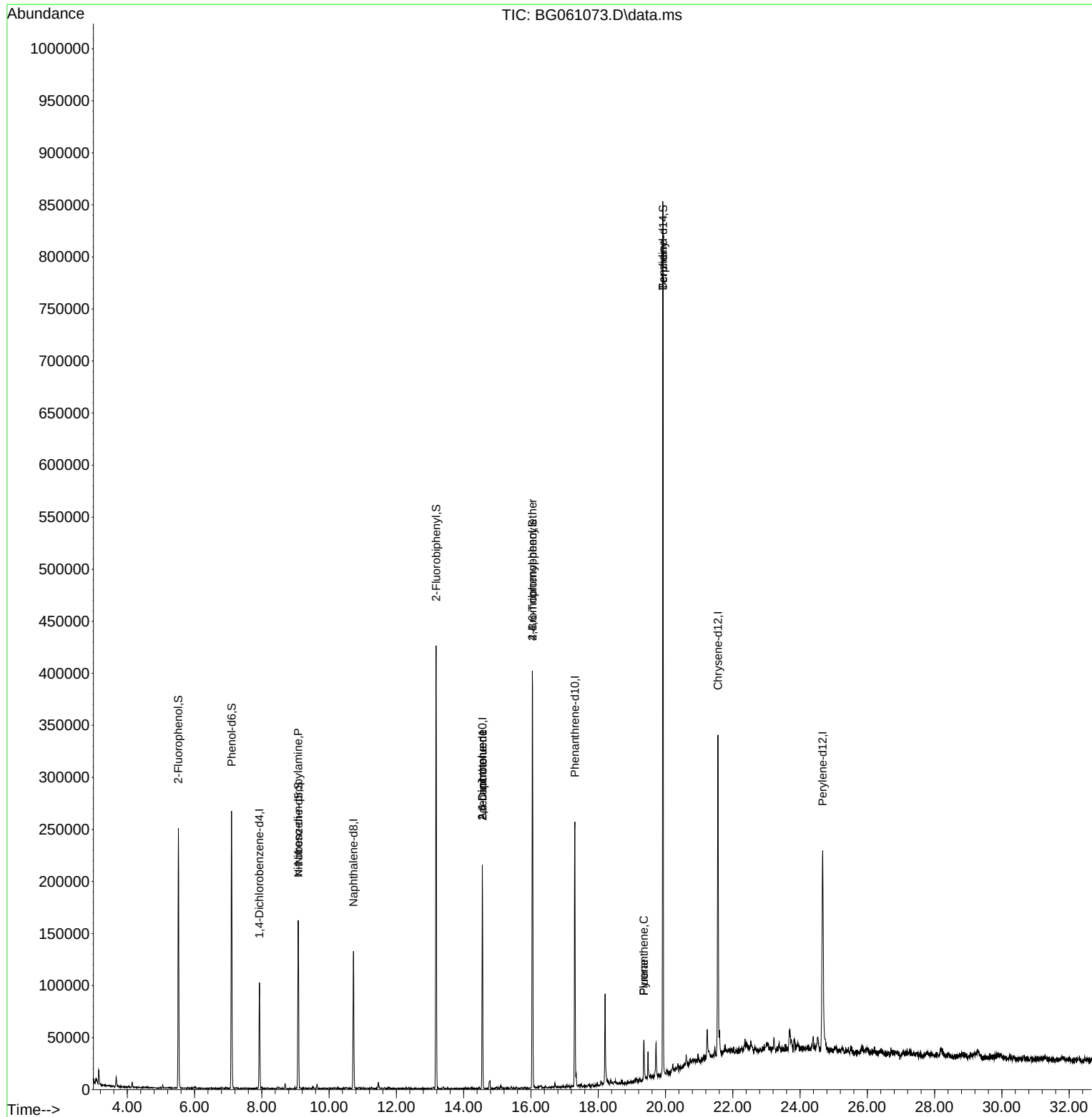
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.929  | 152  | 25311    | 20.000    | ng    | -0.03    |
| 21) Naphthalene-d8            | 10.726 | 136  | 99948    | 20.000    | ng    | -0.03    |
| 39) Acenaphthene-d10          | 14.557 | 164  | 72412    | 20.000    | ng    | -0.03    |
| 64) Phenanthrene-d10          | 17.306 | 188  | 171155   | 20.000    | ng    | -0.03    |
| 76) Chrysene-d12              | 21.560 | 240  | 180833   | 20.000    | ng    | -0.03    |
| 86) Perylene-d12              | 24.674 | 264  | 219900   | 20.000    | ng    | -0.06    |
|                               |        |      |          |           |       |          |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.520  | 112  | 84848    | 68.175    | ng    | -0.03    |
| 7) Phenol-d6                  | 7.101  | 99   | 117272   | 63.697    | ng    | -0.03    |
| 23) Nitrobenzene-d5           | 9.086  | 82   | 82406    | 40.872    | ng    | -0.03    |
| 42) 2,4,6-Tribromophenol      | 16.049 | 330  | 87367    | 60.362    | ng    | -0.03    |
| 45) 2-Fluorobiphenyl          | 13.182 | 172  | 219176   | 44.758    | ng    | -0.03    |
| 79) Terphenyl-d14             | 19.927 | 244  | 438310   | 40.312    | ng    | -0.03    |
|                               |        |      |          |           |       |          |
| Target Compounds              |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde               | 7.089  | 77   | 161      | Below Cal | #     | 3        |
| 19) n-Nitroso-di-n-propyla... | 9.081  | 70   | 12034    | 8.734     | ng    | # 63     |
| 51) 2,6-Dinitrotoluene        | 14.557 | 165  | 9878     | 8.257     | ng    | # 15     |
| 57) 2,4-Dinitrotoluene        | 14.557 | 165  | 9878     | 5.581     | ng    | # 17     |
| 67) 4-Bromophenyl-phenylether | 16.049 | 248  | 5726     | 2.840     | ng    | # 1      |
| 75) Fluoranthene              | 19.357 | 202  | 23486    | 2.191     | ng    | 95       |
| 77) Benzidine                 | 19.921 | 184  | 7600     | 4.875     | ng    | # 91     |
| 78) Pyrene                    | 19.357 | 202  | 23486    | 2.043     | ng    | 98       |
| -----                         |        |      |          |           |       |          |

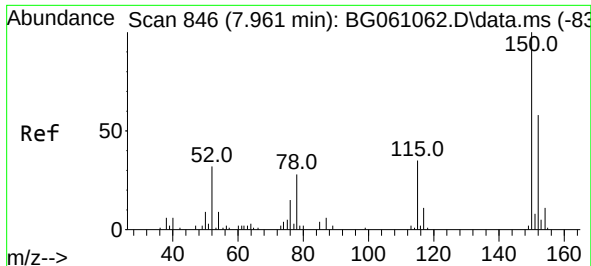
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
BNA\_G  
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Quant Time: May 01 13:37:43 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG043024.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed May 01 05:11:25 2024  
Response via : Initial Calibration

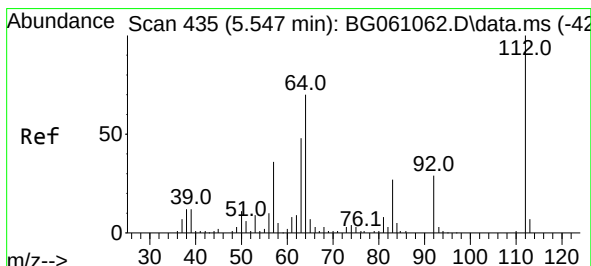
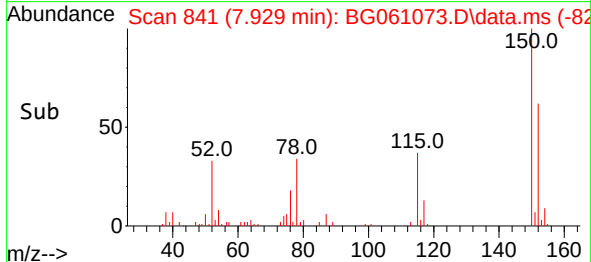
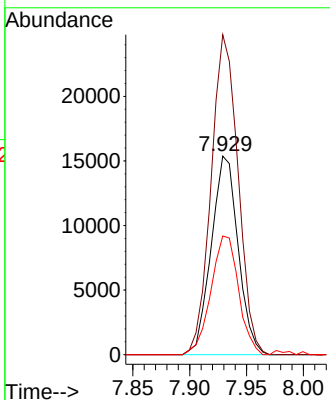
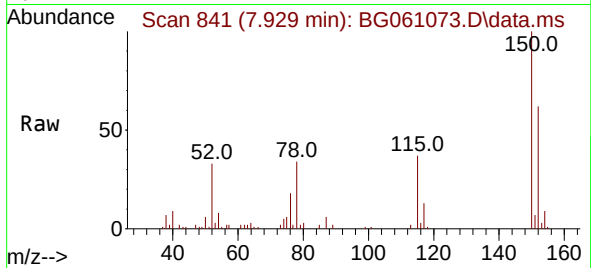




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.929 min Scan# 846  
 Delta R.T. -0.032 min  
 Lab File: BG061073.D  
 Acq: 1 May 2024 12:38

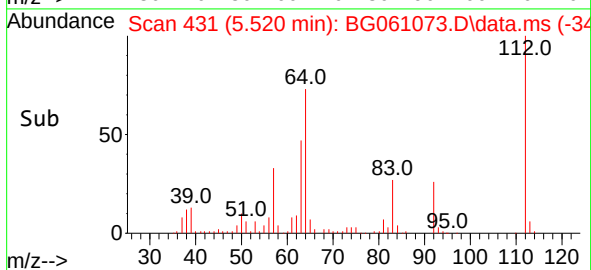
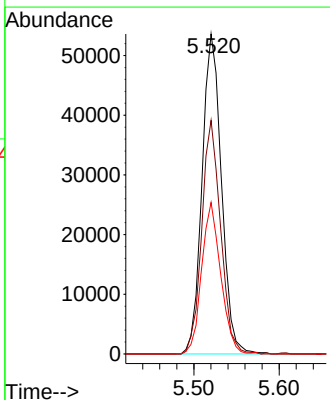
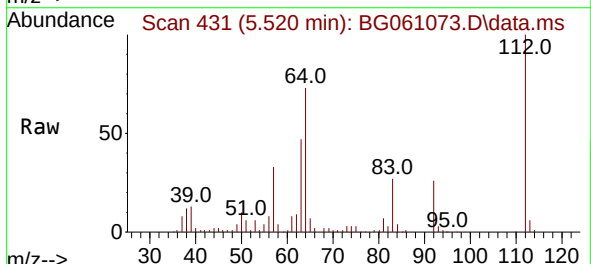
Instrument :  
 BNA\_G  
 ClientSampleId :

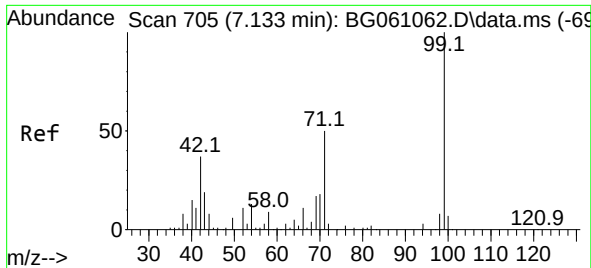
Tgt Ion:152 Resp: 25311  
 Ion Ratio Lower Upper  
 152 100  
 150 161.1 138.3 207.5  
 115 59.8 48.0 72.0



#5  
 2-Fluorophenol  
 Concen: 68.175 ng  
 RT: 5.520 min Scan# 431  
 Delta R.T. -0.026 min  
 Lab File: BG061073.D  
 Acq: 1 May 2024 12:38

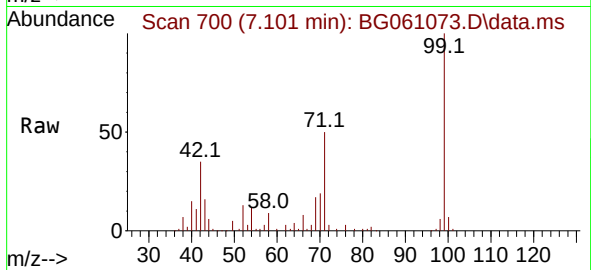
Tgt Ion:112 Resp: 84848  
 Ion Ratio Lower Upper  
 112 100  
 64 73.0 55.7 83.5  
 63 47.4 38.1 57.1



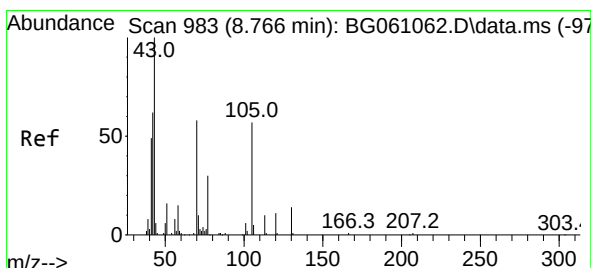
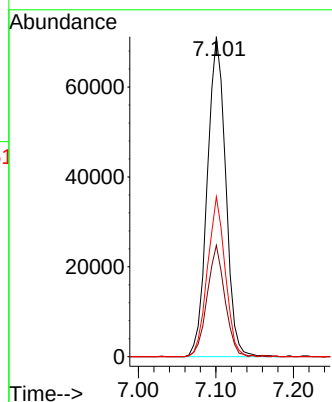
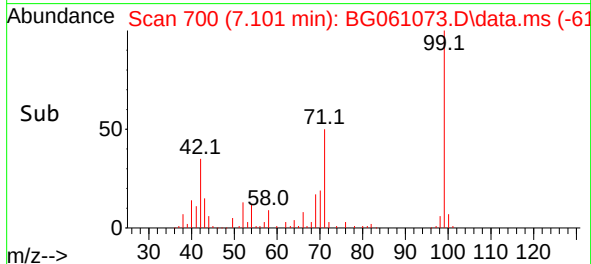


#7  
Phenol-d6  
Concen: 63.697 ng  
RT: 7.101 min Scan# 70  
Delta R.T. -0.032 min  
Lab File: BG061073.D  
Acq: 1 May 2024 12:38

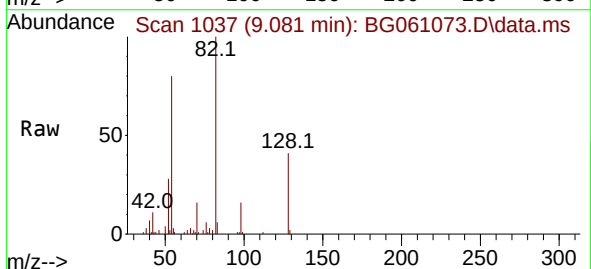
Instrument :  
BNA\_G  
ClientSampleId :



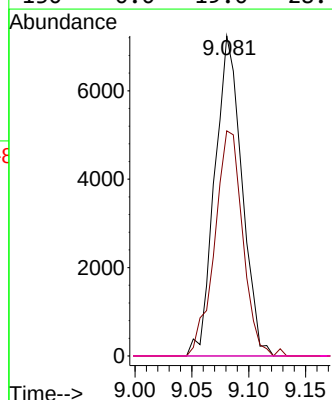
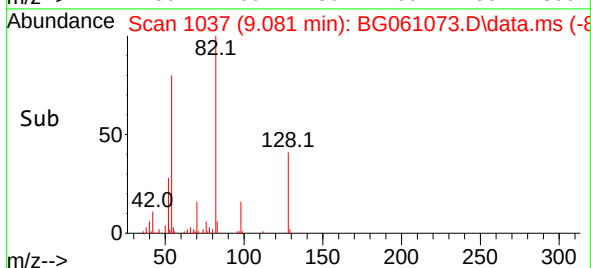
Tgt Ion: 99 Resp: 117272  
Ion Ratio Lower Upper  
99 100  
42 34.8 29.2 43.8  
71 50.0 39.7 59.5

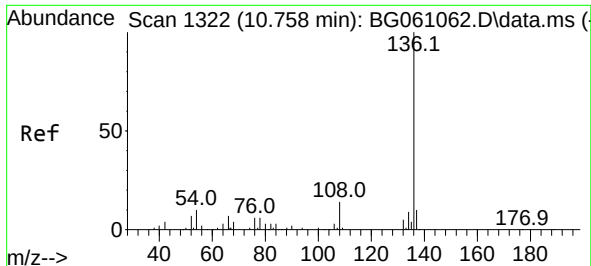


#19  
n-Nitroso-di-n-propylamine  
Concen: 8.734 ng  
RT: 9.081 min Scan# 1037  
Delta R.T. 0.314 min  
Lab File: BG061073.D  
Acq: 1 May 2024 12:38



Tgt Ion: 70 Resp: 12034  
Ion Ratio Lower Upper  
70 100  
42 70.4 86.4 129.6#  
101 0.0 7.8 11.8#  
130 0.0 19.0 28.4#

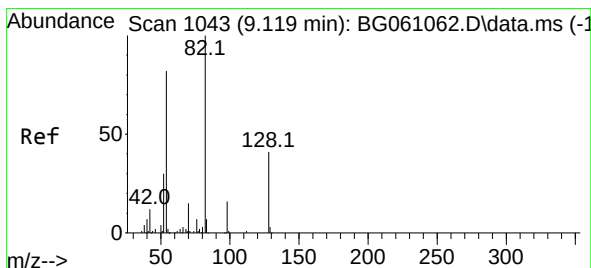
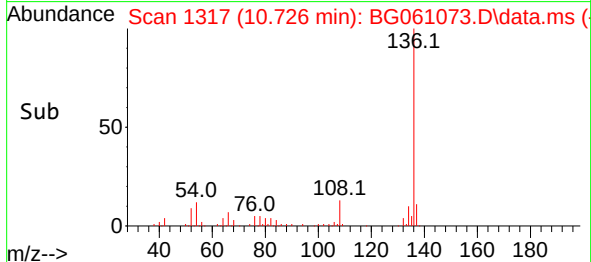
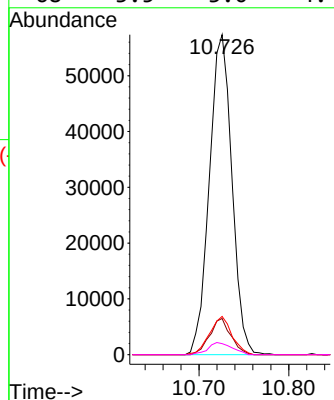
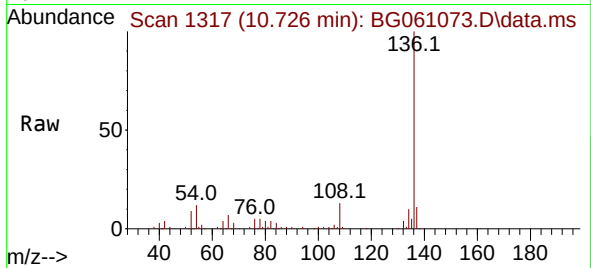




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.726 min Scan# 11  
Delta R.T. -0.032 min  
Lab File: BG061073.D  
Acq: 1 May 2024 12:38

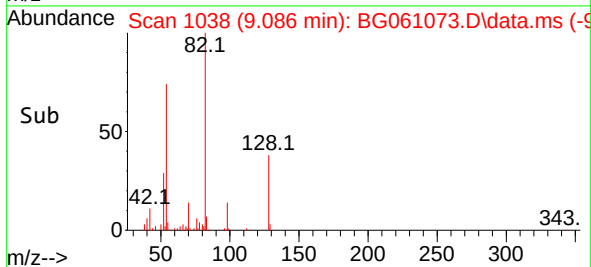
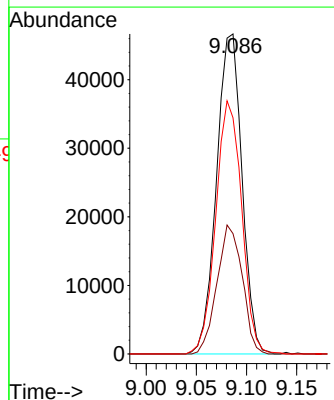
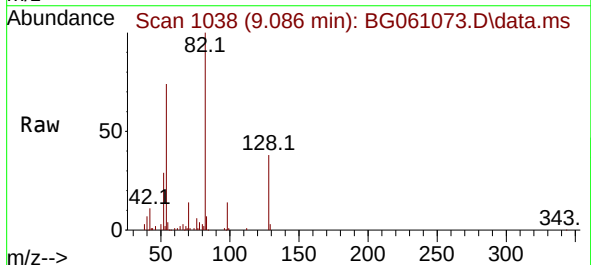
Instrument :  
BNA\_G  
ClientSampleId :

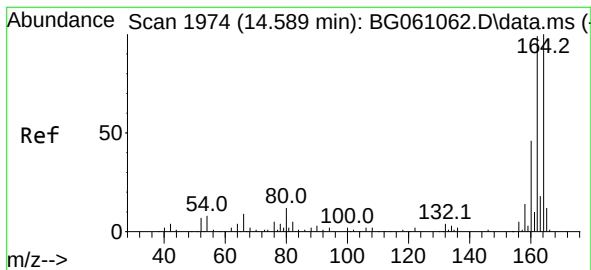
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 136   | Resp: | 99948 |
| Ion Ratio | Lower | Upper |       |
| 136       | 100   |       |       |
| 137       | 11.3  | 7.8   | 11.6  |
| 54        | 11.9  | 8.1   | 12.1  |
| 68        | 3.5   | 3.0   | 4.4   |



#23  
Nitrobenzene-d5  
Concen: 40.872 ng  
RT: 9.086 min Scan# 1038  
Delta R.T. -0.032 min  
Lab File: BG061073.D  
Acq: 1 May 2024 12:38

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 82    | Resp: | 82406 |
| Ion Ratio | Lower | Upper |       |
| 82        | 100   |       |       |
| 128       | 37.6  | 32.7  | 49.1  |
| 54        | 73.8  | 65.6  | 98.4  |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.557 min Scan# 1969

Delta R.T. -0.032 min

Lab File: BG061073.D

Acq: 1 May 2024 12:38

Instrument :

BNA\_G

ClientSampleId :

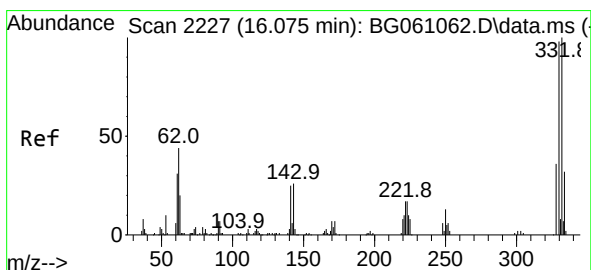
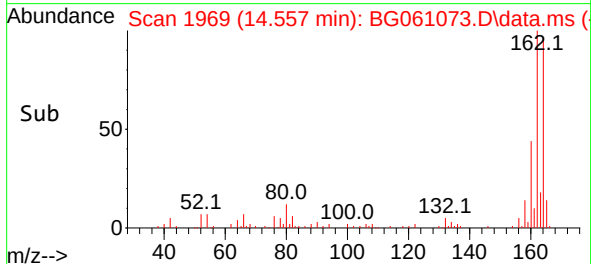
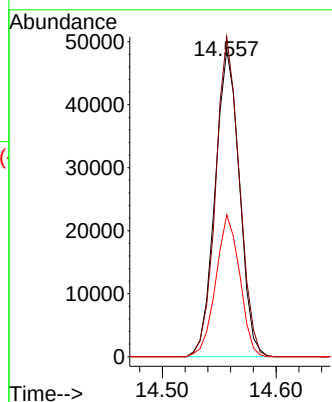
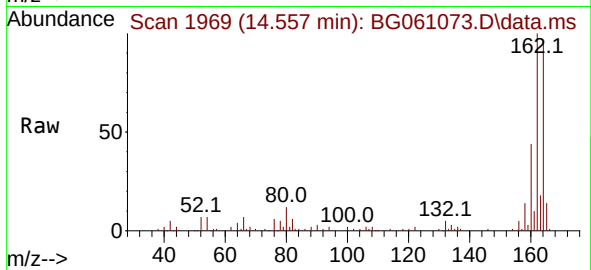
Tgt Ion:164 Resp: 72412

Ion Ratio Lower Upper

164 100

162 104.2 79.4 119.2

160 46.2 37.0 55.6



#42

2,4,6-Tribromophenol

Concen: 60.362 ng

RT: 16.049 min Scan# 2223

Delta R.T. -0.026 min

Lab File: BG061073.D

Acq: 1 May 2024 12:38

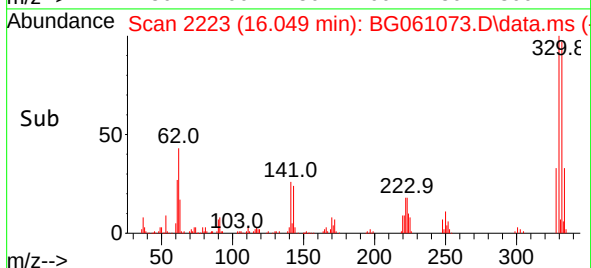
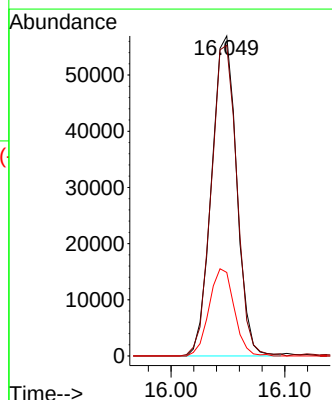
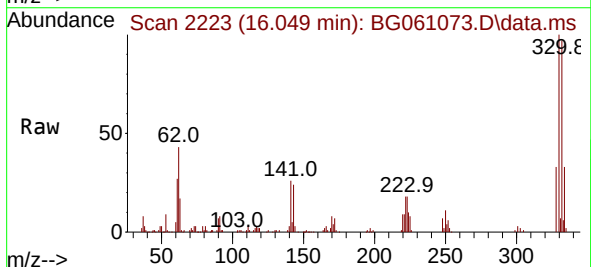
Tgt Ion:330 Resp: 87367

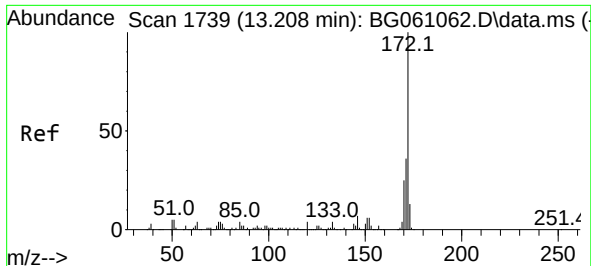
Ion Ratio Lower Upper

330 100

332 98.7 78.6 117.8

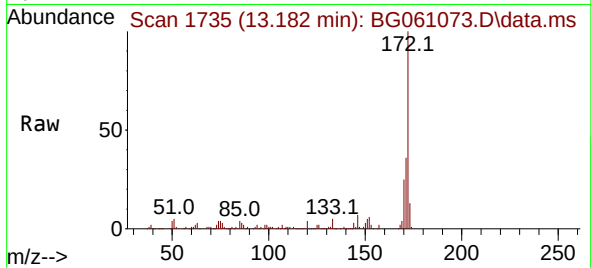
141 27.2 20.5 30.7



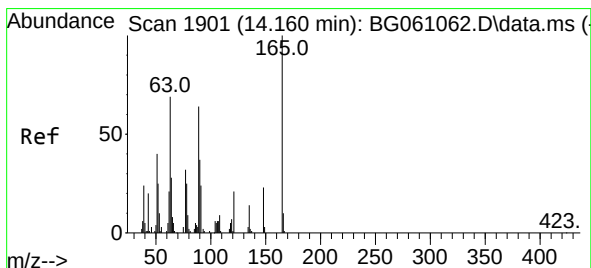
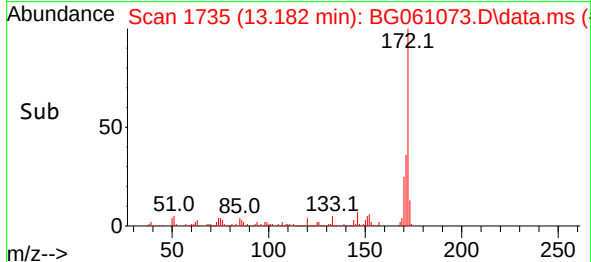
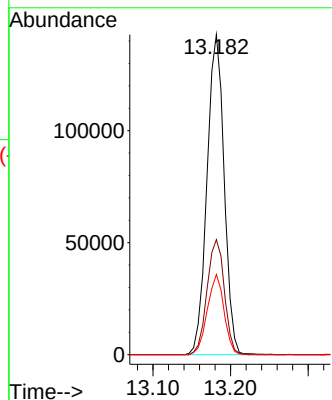


#45  
2-Fluorobiphenyl  
Concen: 44.758 ng  
RT: 13.182 min Scan# 1  
Delta R.T. -0.026 min  
Lab File: BG061073.D  
Acq: 1 May 2024 12:38

Instrument :  
BNA\_G  
ClientSampleId :

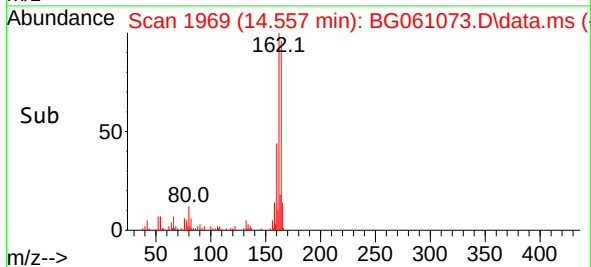
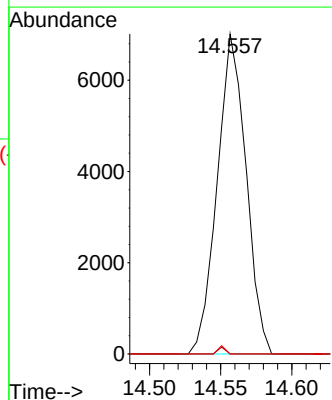
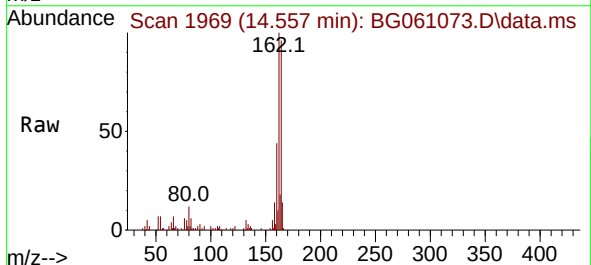


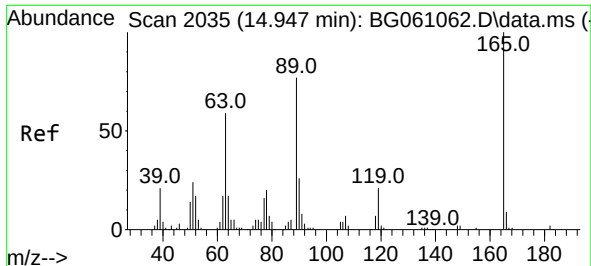
Tgt Ion:172 Resp: 219176  
Ion Ratio Lower Upper  
172 100  
171 35.9 29.0 43.6  
170 25.1 20.2 30.4



#51  
2,6-Dinitrotoluene  
Concen: 8.257 ng  
RT: 14.557 min Scan# 1969  
Delta R.T. 0.397 min  
Lab File: BG061073.D  
Acq: 1 May 2024 12:38

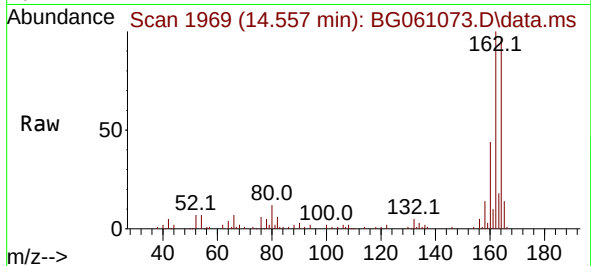
Tgt Ion:165 Resp: 9878  
Ion Ratio Lower Upper  
165 100  
63 0.0 60.0 90.0#  
89 0.0 50.9 76.3#



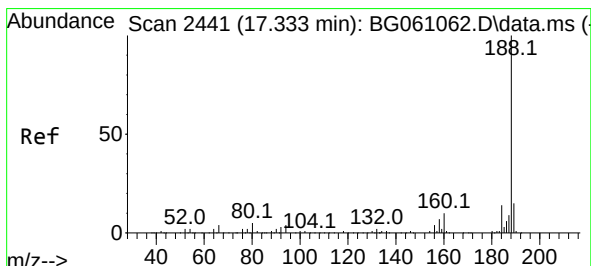
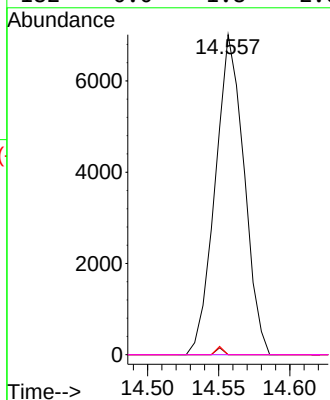
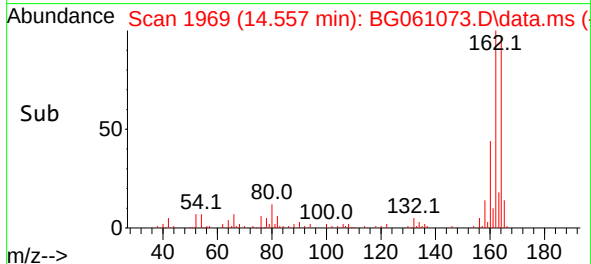


#57  
2,4-Dinitrotoluene  
Concen: 5.581 ng  
RT: 14.557 min Scan# 1969  
Delta R.T. -0.391 min  
Lab File: BG061073.D  
Acq: 1 May 2024 12:38

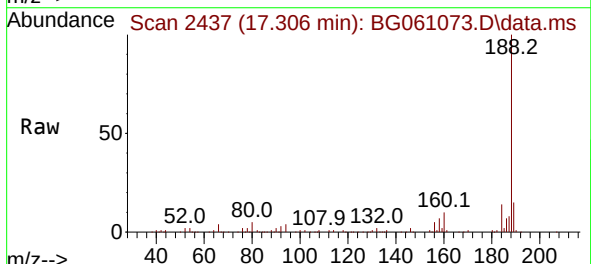
Instrument :  
BNA\_G  
ClientSampleId :



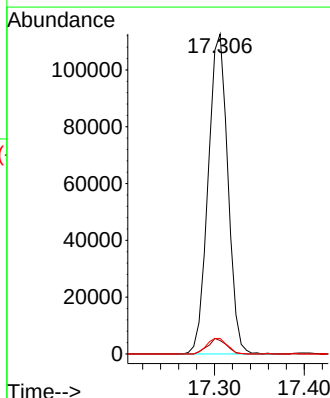
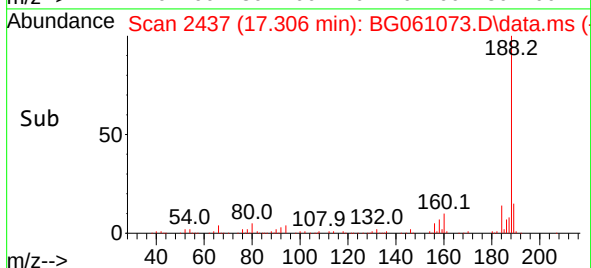
Tgt Ion:165 Resp: 9878  
Ion Ratio Lower Upper  
165 100  
63 0.0 47.3 70.9#  
89 0.0 61.8 92.8#  
182 0.0 1.8 2.6#



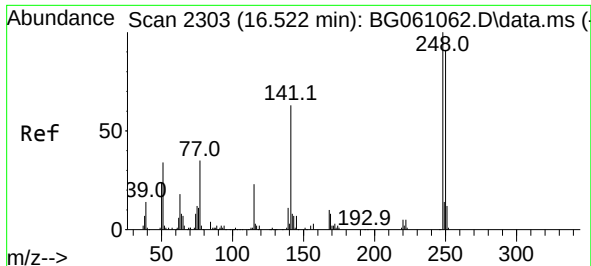
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.306 min Scan# 2437  
Delta R.T. -0.026 min  
Lab File: BG061073.D  
Acq: 1 May 2024 12:38



Tgt Ion:188 Resp: 171155  
Ion Ratio Lower Upper  
188 100  
94 4.2 3.6 5.4  
80 4.8 4.2 6.2



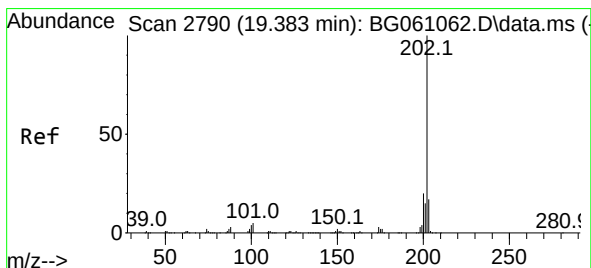
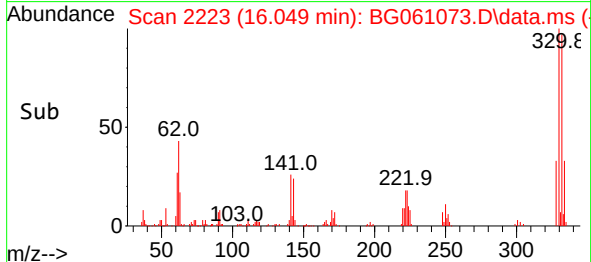
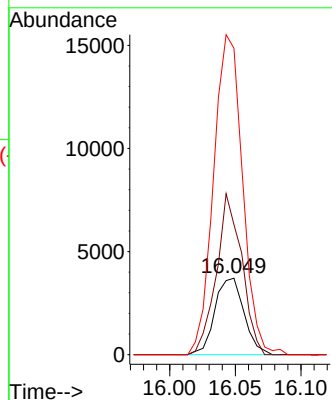
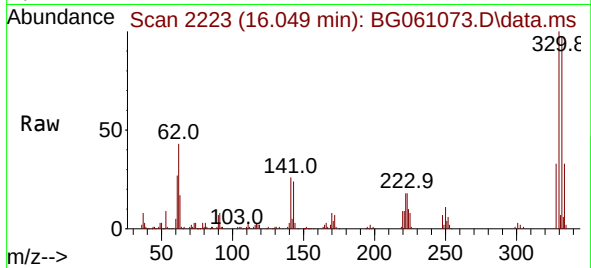




#67  
4-Bromophenyl-phenylether  
Concen: 2.840 ng  
RT: 16.049 min Scan# 21  
Delta R.T. -0.473 min  
Lab File: BG061073.D  
Acq: 1 May 2024 12:38

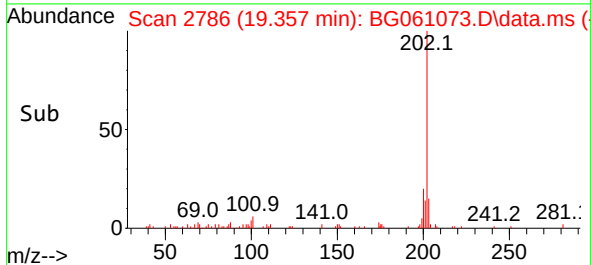
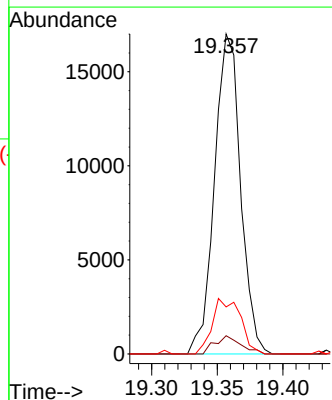
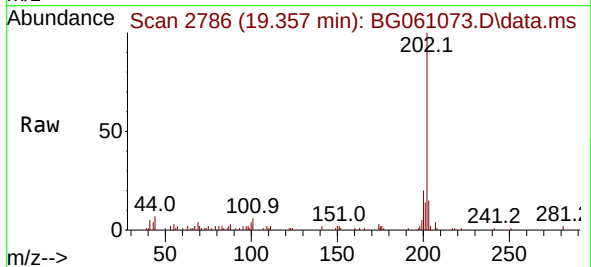
Instrument :  
BNA\_G  
ClientSampleId :

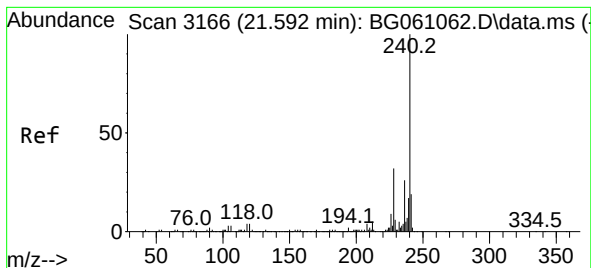
Tgt Ion:248 Resp: 5726  
Ion Ratio Lower Upper  
248 100  
250 170.2 73.0 109.4#  
141 401.0 50.8 76.2#



#75  
Fluoranthene  
Concen: 2.191 ng  
RT: 19.357 min Scan# 2786  
Delta R.T. -0.027 min  
Lab File: BG061073.D  
Acq: 1 May 2024 12:38

Tgt Ion:202 Resp: 23486  
Ion Ratio Lower Upper  
202 100  
101 5.7 0.0 24.7  
203 14.7 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.560 min Scan# 3161

Delta R.T. -0.032 min

Lab File: BG061073.D

Acq: 1 May 2024 12:38

Instrument :

BNA\_G

ClientSampleId :

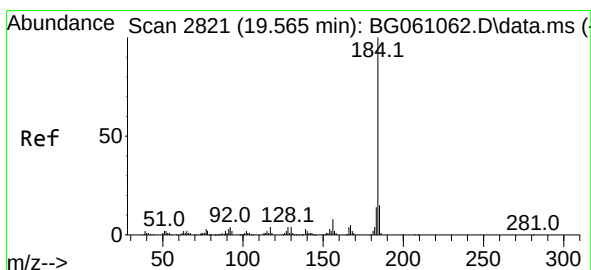
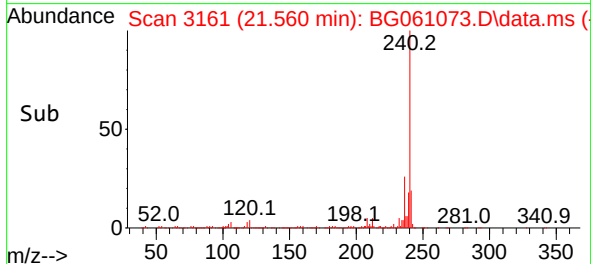
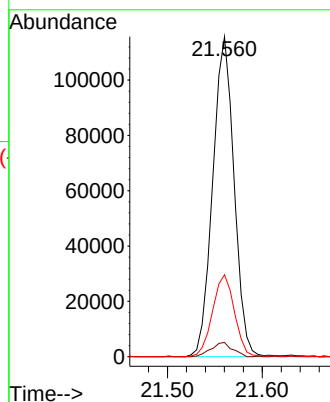
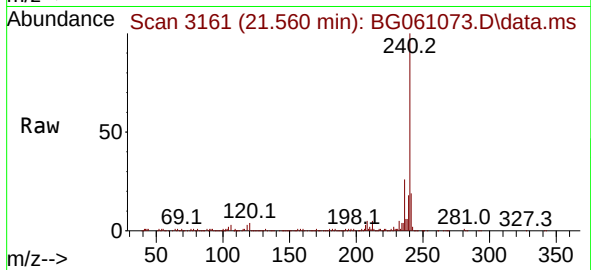
Tgt Ion:240 Resp: 180833

Ion Ratio Lower Upper

240 100

120 4.4 3.2 4.8

236 25.6 21.0 31.6



#77

Benzidine

Concen: 4.875 ng

RT: 19.921 min Scan# 2882

Delta R.T. 0.356 min

Lab File: BG061073.D

Acq: 1 May 2024 12:38

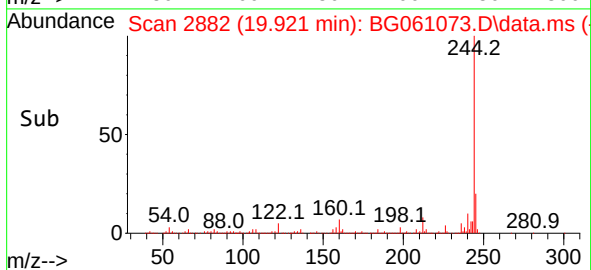
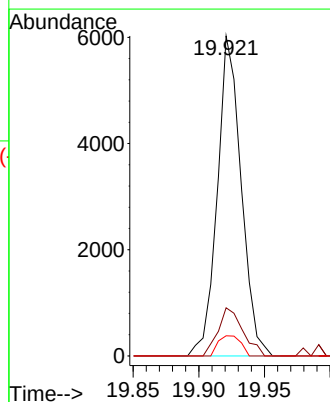
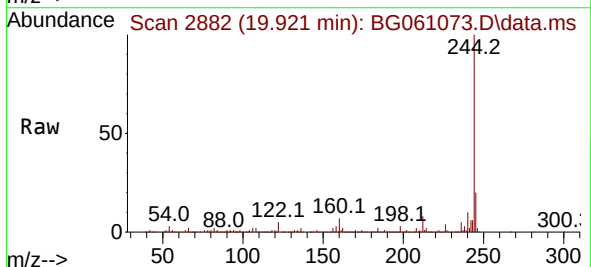
Tgt Ion:184 Resp: 7600

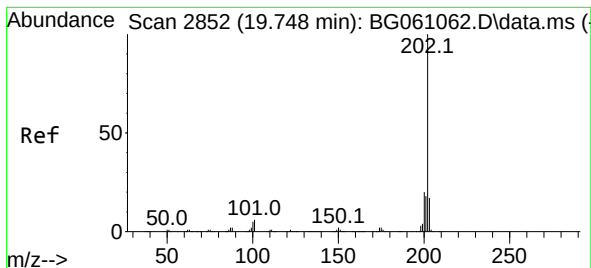
Ion Ratio Lower Upper

184 100

185 15.0 12.0 18.0

183 6.3 10.9 16.3#





#78

Pyrene

Concen: 2.043 ng

RT: 19.357 min Scan# 21

Delta R.T. -0.391 min

Lab File: BG061073.D

Acq: 1 May 2024 12:38

Instrument :

BNA\_G

ClientSampleId :

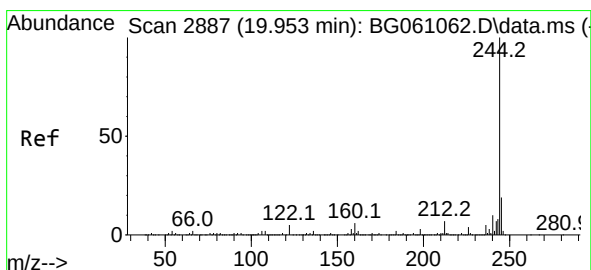
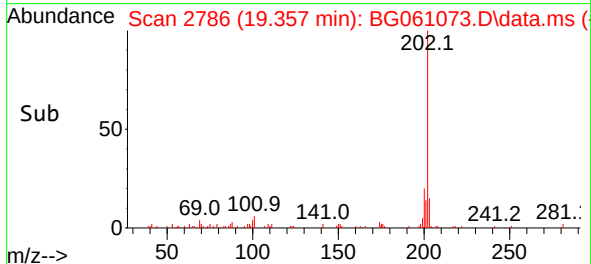
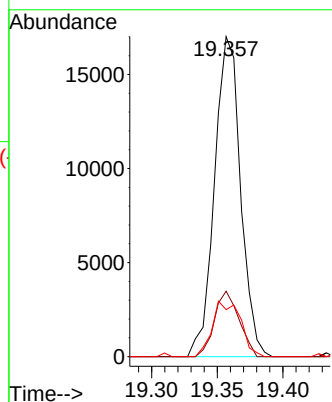
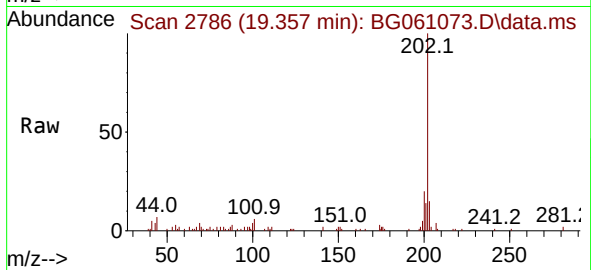
Tgt Ion:202 Resp: 23486

Ion Ratio Lower Upper

202 100

200 20.4 16.2 24.4

203 14.7 13.3 19.9



#79

Terphenyl-d14

Concen: 40.312 ng

RT: 19.927 min Scan# 2883

Delta R.T. -0.026 min

Lab File: BG061073.D

Acq: 1 May 2024 12:38

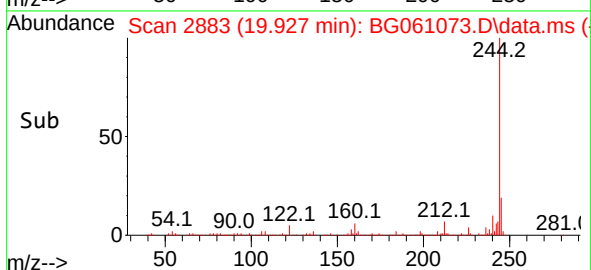
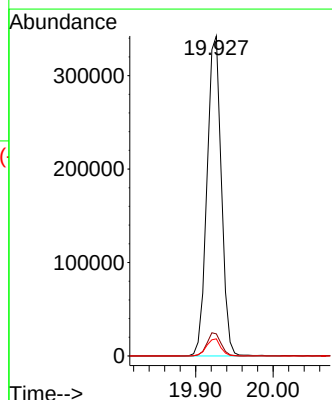
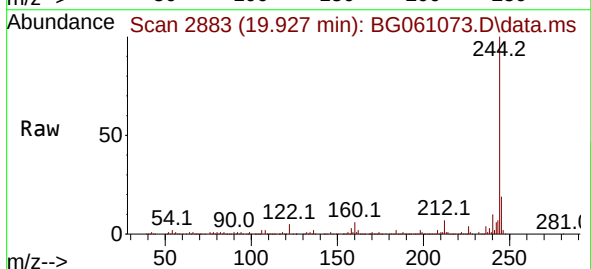
Tgt Ion:244 Resp: 438310

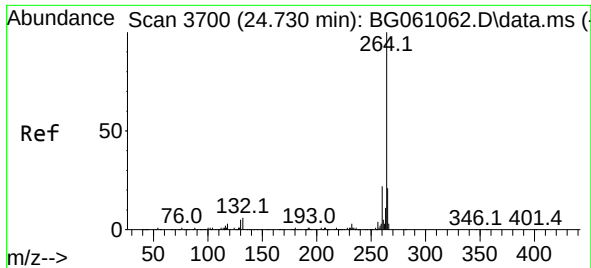
Ion Ratio Lower Upper

244 100

212 6.9 5.7 8.5

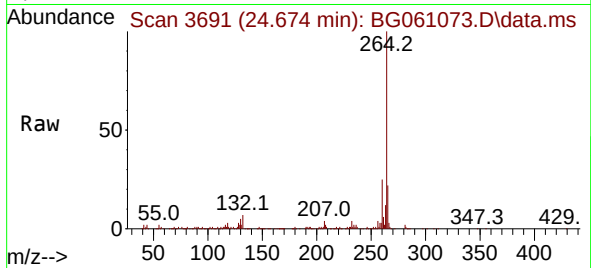
122 5.4 4.2 6.2





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 24.674 min Scan# 30  
Delta R.T. -0.056 min  
Lab File: BG061073.D  
Acq: 1 May 2024 12:38

Instrument :  
BNA\_G  
ClientSampleId :



Tgt Ion:264 Resp: 219900  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.5  | 17.7  | 26.5  |
| 265 | 21.9  | 16.4  | 24.6  |

