

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG050124\  
 Data File : BG061070.D  
 Acq On : 1 May 2024 10:25  
 Operator : MA/JU  
 Sample : PB160608BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: May 01 11:25:07 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

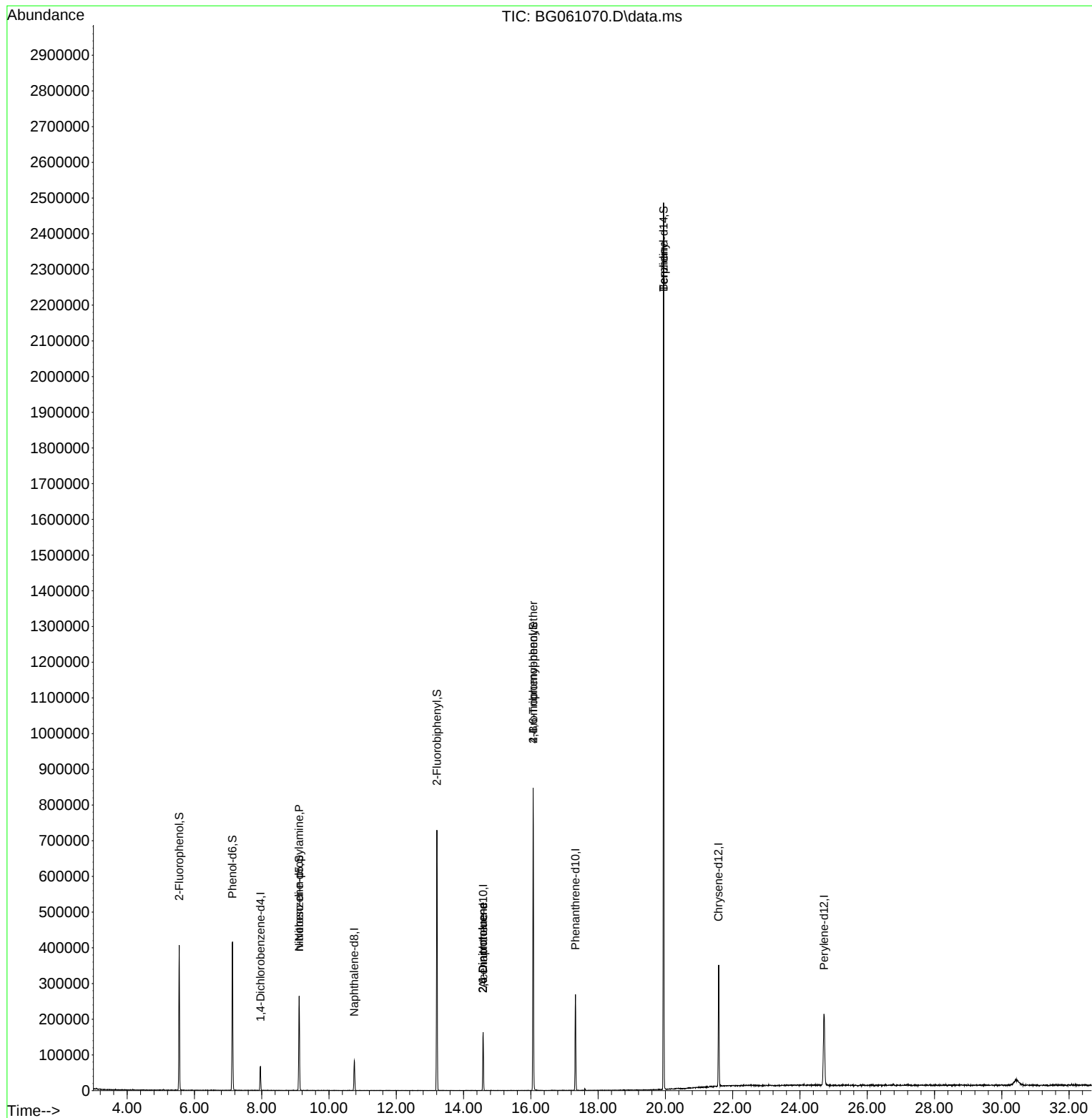
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.961  | 152  | 17689    | 20.000    | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.752 | 136  | 66274    | 20.000    | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.583 | 164  | 60156    | 20.000    | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.327 | 188  | 177363   | 20.000    | ng    | 0.00     |
| 76) Chrysene-d12              | 21.581 | 240  | 217356   | 20.000    | ng    | #-0.01   |
| 86) Perylene-d12              | 24.712 | 264  | 242476   | 20.000    | ng    | -0.02    |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.547  | 112  | 137360   | 157.925   | ng    | 0.00     |
| 7) Phenol-d6                  | 7.127  | 99   | 188751   | 146.696   | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.113  | 82   | 128847   | 96.376    | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.070 | 330  | 180779   | 150.347   | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.208 | 172  | 378183   | 92.962    | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.947 | 244  | 1222012  | 93.505    | ng    | 0.00     |
| Target Compounds              |        |      |          |           |       |          |
|                               |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde               | 7.133  | 77   | 545      | Below Cal | #     | 3        |
| 19) n-Nitroso-di-n-propyla... | 9.113  | 70   | 19666    | 20.424    | ng    | # 60     |
| 51) 2,6-Dinitrotoluene        | 14.577 | 165  | 7550     | 7.597     | ng    | # 15     |
| 57) 2,4-Dinitrotoluene        | 14.577 | 165  | 7550     | 5.135     | ng    | # 17     |
| 67) 4-Bromophenyl-phenylether | 16.070 | 248  | 11473    | 5.491     | ng    | # 1      |
| 77) Benzidine                 | 19.947 | 184  | 19315    | 7.193     | ng    | # 95     |
| -----                         |        |      |          |           |       |          |

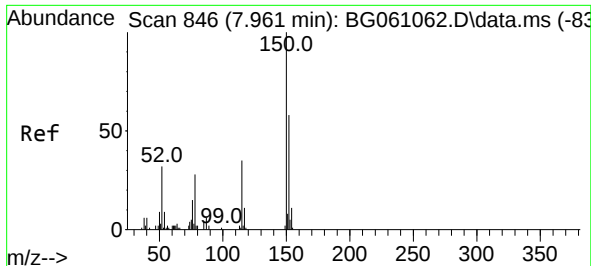
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG050124\  
Data File : BG061070.D  
Acq On : 1 May 2024 10:25  
Operator : MA/JU  
Sample : PB160608BL  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :

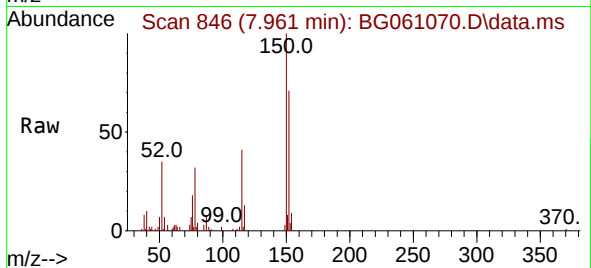
Quant Time: May 01 11:25:07 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG043024.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed May 01 05:11:25 2024  
Response via : Initial Calibration





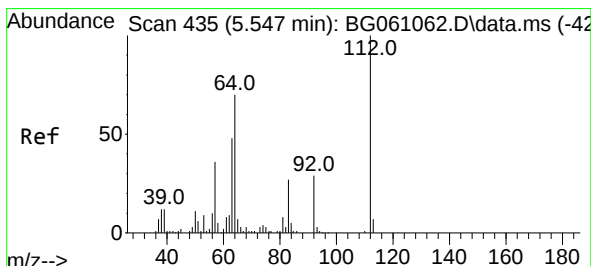
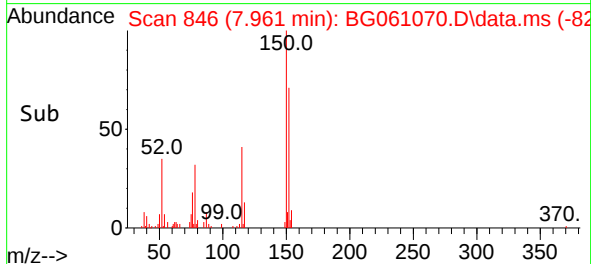
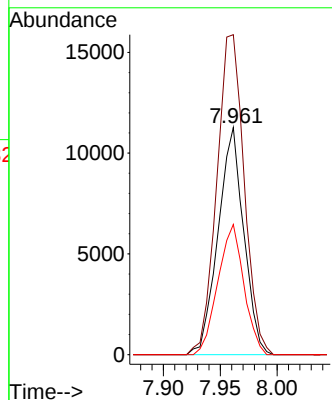
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.961 min Scan# 846  
 Delta R.T. 0.000 min  
 Lab File: BG061070.D  
 Acq: 1 May 2024 10:25

Instrument :  
 BNA\_G  
 ClientSampleId :



Tgt Ion:152 Resp: 17689  

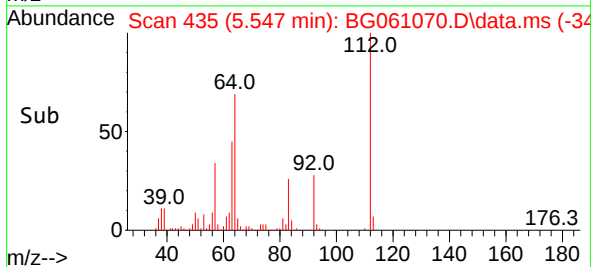
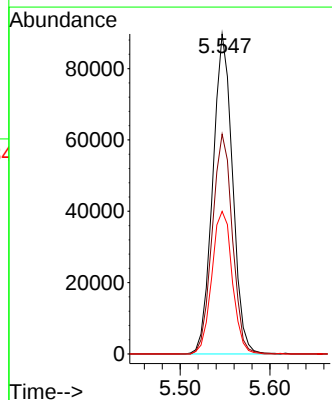
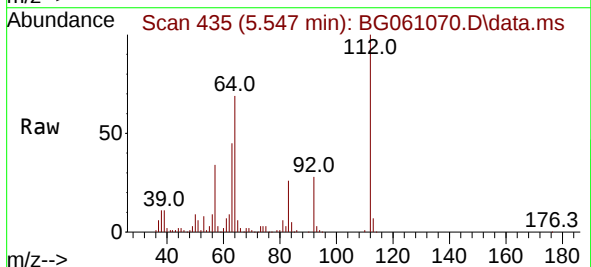
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 150 | 140.9 | 138.3 | 207.5 |
| 115 | 57.3  | 48.0  | 72.0  |

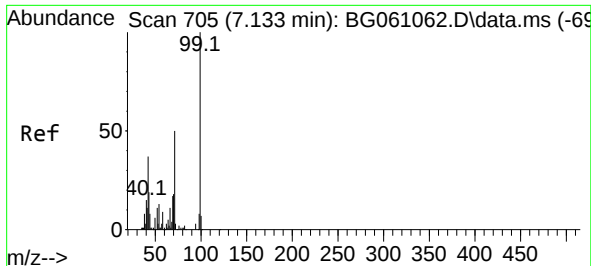


#5  
 2-Fluorophenol  
 Concen: 157.925 ng  
 RT: 5.547 min Scan# 435  
 Delta R.T. 0.000 min  
 Lab File: BG061070.D  
 Acq: 1 May 2024 10:25

Tgt Ion:112 Resp: 137360  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 112 | 100   |       |       |
| 64  | 68.7  | 55.7  | 83.5  |
| 63  | 44.6  | 38.1  | 57.1  |





#7

Phenol-d6

Concen: 146.696 ng

RT: 7.127 min Scan# 70

Delta R.T. -0.006 min

Lab File: BG061070.D

Acq: 1 May 2024 10:25

Instrument :

BNA\_G

ClientSampleId :

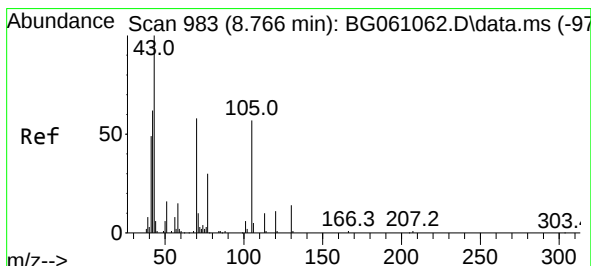
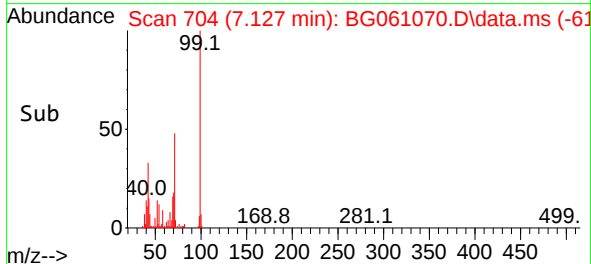
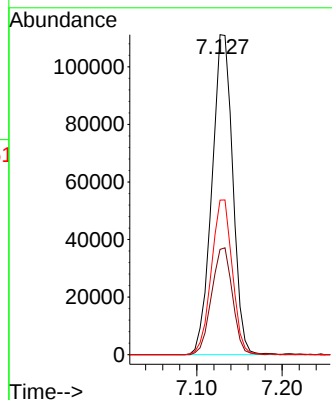
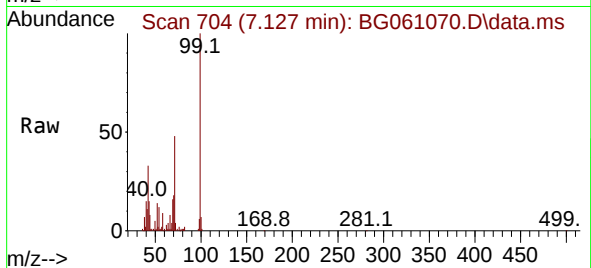
Tgt Ion: 99 Resp: 188751

Ion Ratio Lower Upper

99 100

42 32.9 29.2 43.8

71 48.3 39.7 59.5



#19

n-Nitroso-di-n-propylamine

Concen: 20.424 ng

RT: 9.113 min Scan# 1042

Delta R.T. 0.347 min

Lab File: BG061070.D

Acq: 1 May 2024 10:25

Tgt Ion: 70 Resp: 19666

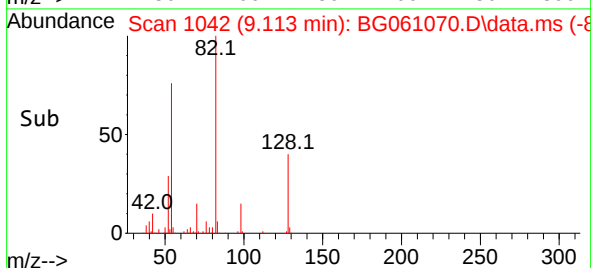
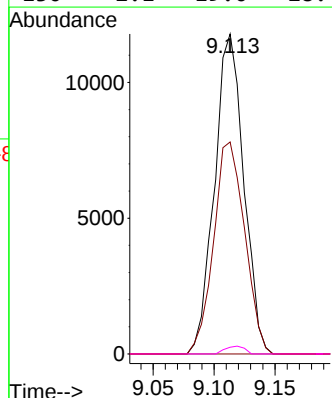
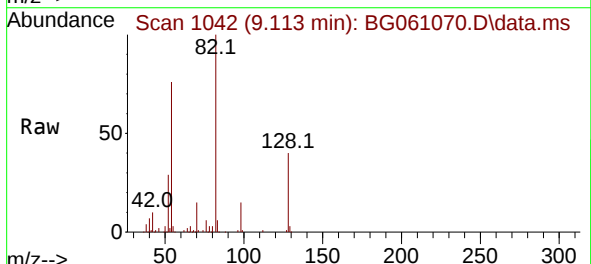
Ion Ratio Lower Upper

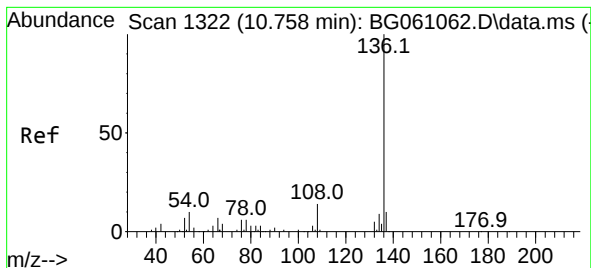
70 100

42 66.3 86.4 129.6#

101 0.0 7.8 11.8#

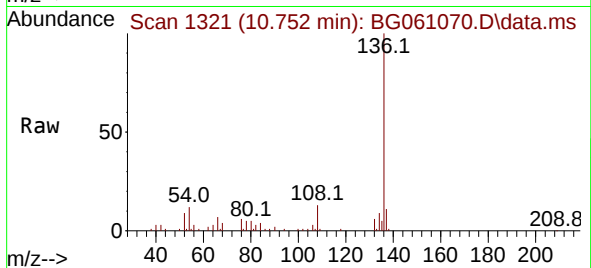
130 2.1 19.0 28.4#



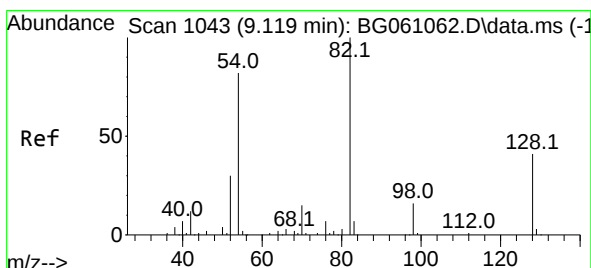
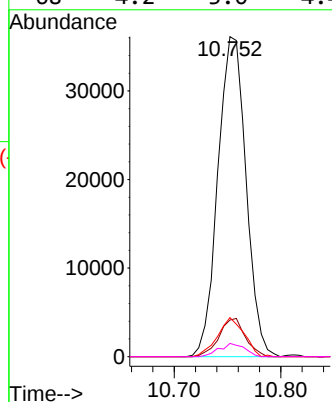
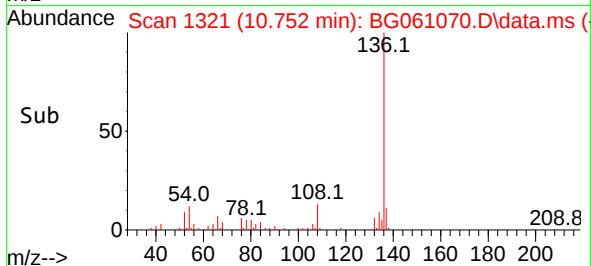


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.752 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BG061070.D  
Acq: 1 May 2024 10:25

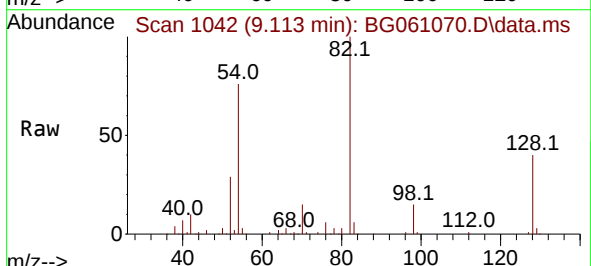
Instrument :  
BNA\_G  
ClientSampleId :



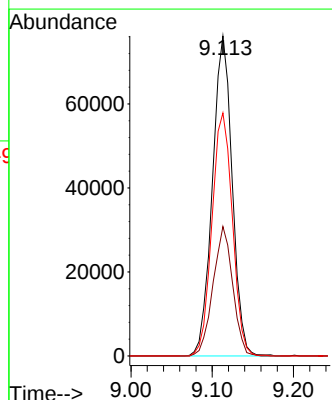
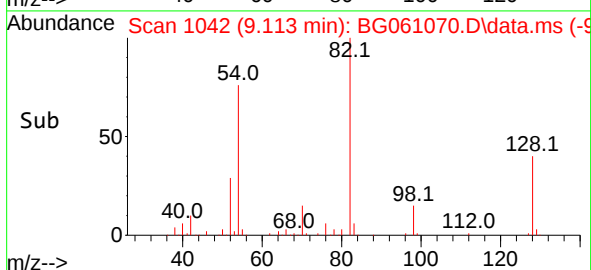
Tgt Ion:136 Resp: 66274  
Ion Ratio Lower Upper  
136 100  
137 11.4 7.8 11.6  
54 12.2 8.1 12.1#  
68 4.2 3.0 4.4

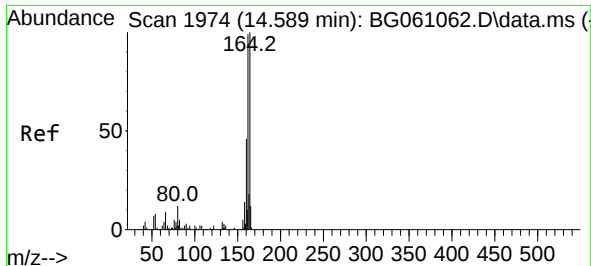


#23  
Nitrobenzene-d5  
Concen: 96.376 ng  
RT: 9.113 min Scan# 1042  
Delta R.T. -0.006 min  
Lab File: BG061070.D  
Acq: 1 May 2024 10:25



Tgt Ion: 82 Resp: 128847  
Ion Ratio Lower Upper  
82 100  
128 40.4 32.7 49.1  
54 75.9 65.6 98.4

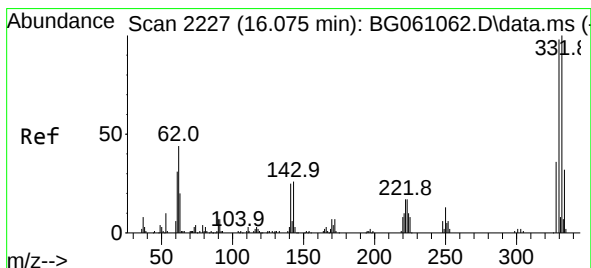
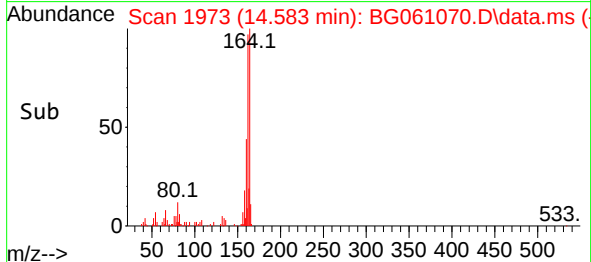
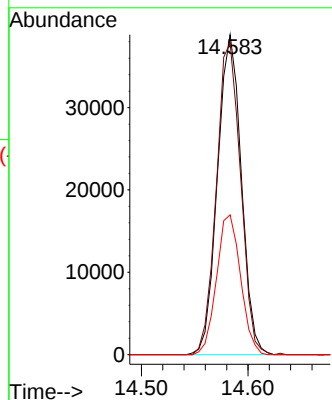
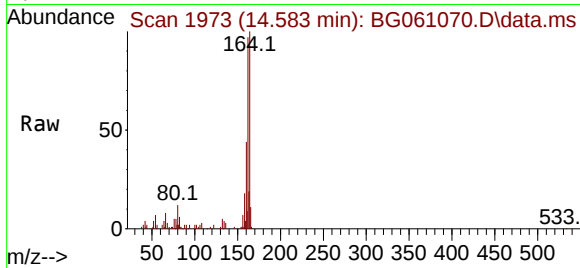




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.583 min Scan# 1973  
Delta R.T. -0.006 min  
Lab File: BG061070.D  
Acq: 1 May 2024 10:25

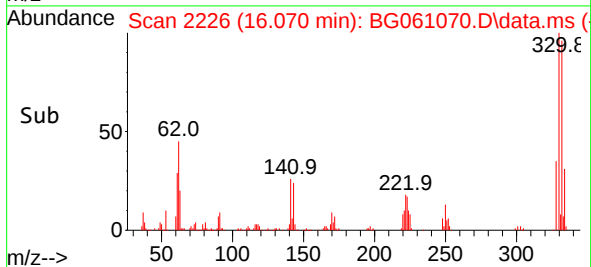
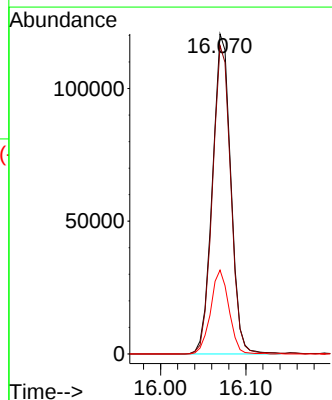
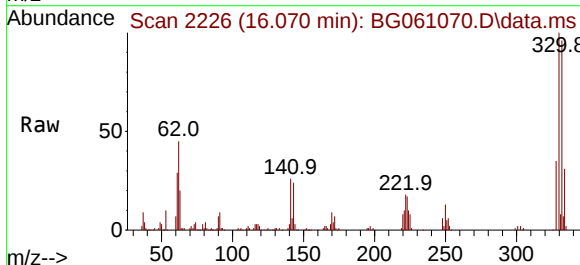
Instrument :  
BNA\_G  
ClientSampleId :

Tgt Ion:164 Resp: 60156  
Ion Ratio Lower Upper  
164 100  
162 97.5 79.4 119.2  
160 43.7 37.0 55.6



#42  
2,4,6-Tribromophenol  
Concen: 150.347 ng  
RT: 16.070 min Scan# 2226  
Delta R.T. -0.006 min  
Lab File: BG061070.D  
Acq: 1 May 2024 10:25

Tgt Ion:330 Resp: 180779  
Ion Ratio Lower Upper  
330 100  
332 96.0 78.6 117.8  
141 26.0 20.5 30.7

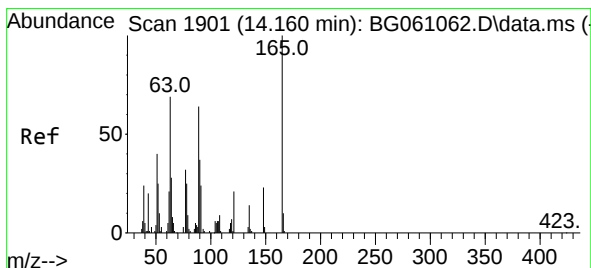
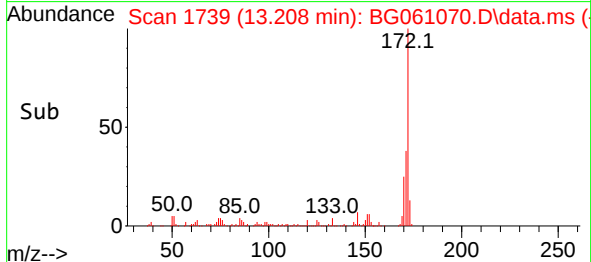
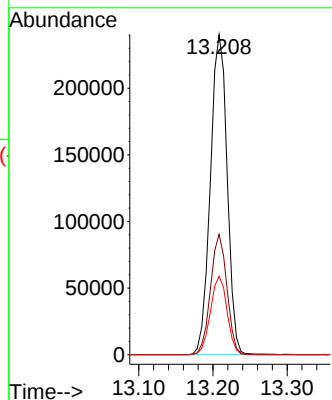
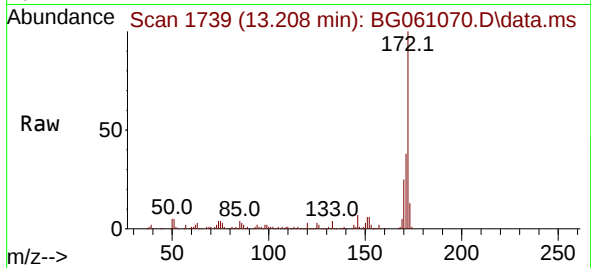




#45  
2-Fluorobiphenyl  
Concen: 92.962 ng  
RT: 13.208 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: BG061070.D  
Acq: 1 May 2024 10:25

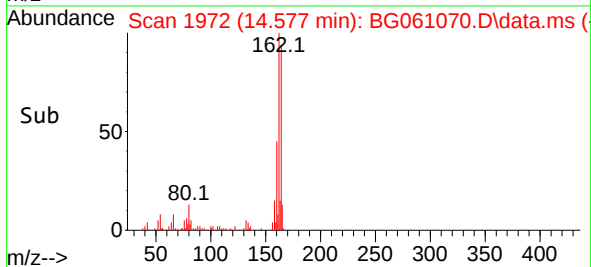
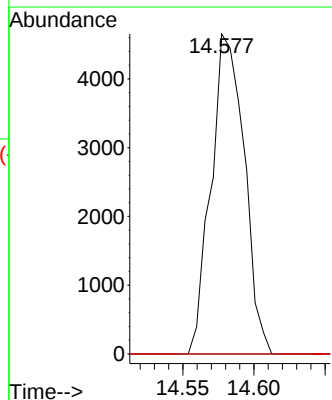
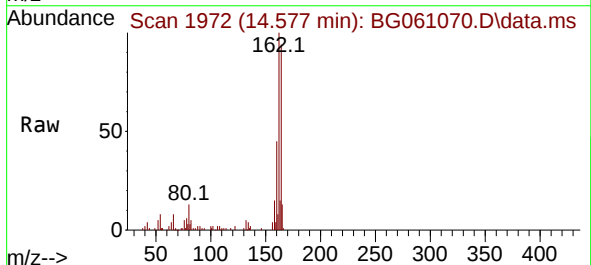
Instrument :  
BNA\_G  
ClientSampleId :

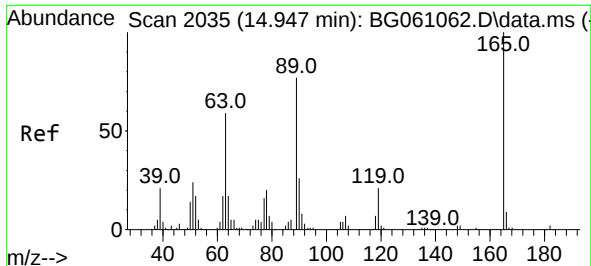
Tgt Ion:172 Resp: 378183  
Ion Ratio Lower Upper  
172 100  
171 37.6 29.0 43.6  
170 24.5 20.2 30.4



#51  
2,6-Dinitrotoluene  
Concen: 7.597 ng  
RT: 14.577 min Scan# 1972  
Delta R.T. 0.417 min  
Lab File: BG061070.D  
Acq: 1 May 2024 10:25

Tgt Ion:165 Resp: 7550  
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: 5.135 ng

RT: 14.577 min Scan# 1972

Delta R.T. -0.370 min

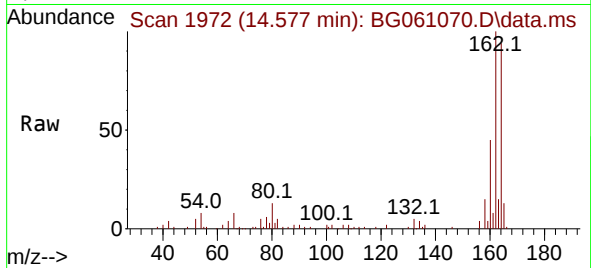
Lab File: BG061070.D

Acq: 1 May 2024 10:25

Instrument :

BNA\_G

ClientSampleId :



Tgt Ion:165 Resp: 7550

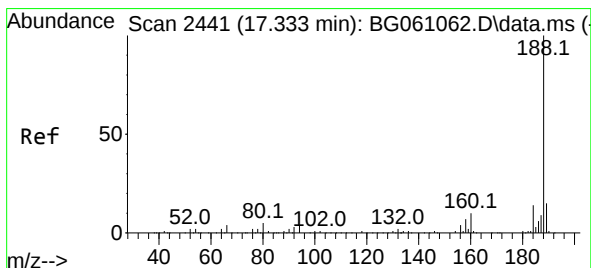
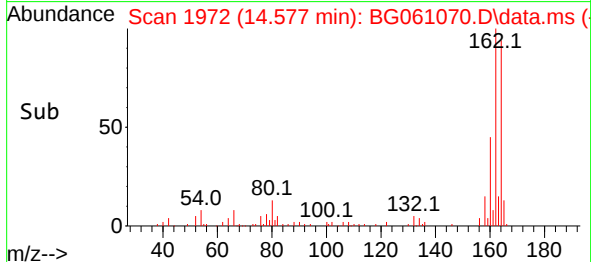
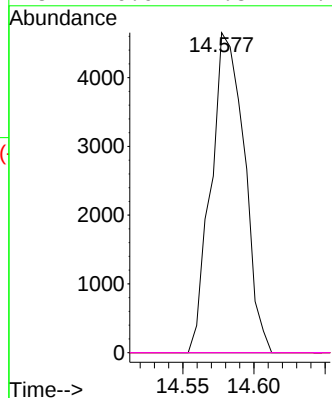
Ion Ratio Lower Upper

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: 17.327 min Scan# 2440

Delta R.T. -0.006 min

Lab File: BG061070.D

Acq: 1 May 2024 10:25

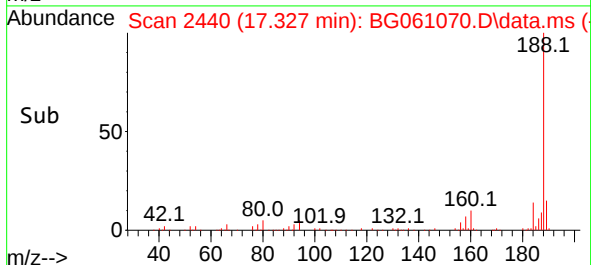
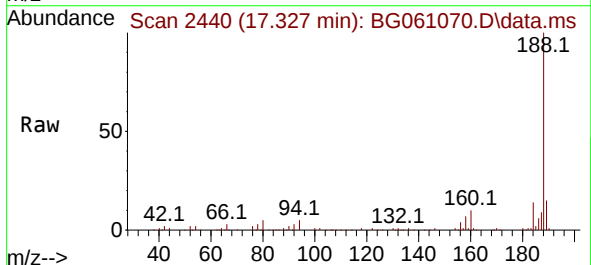
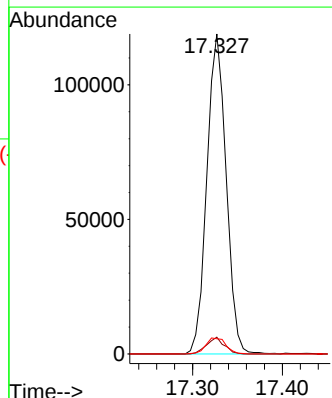
Tgt Ion:188 Resp: 177363

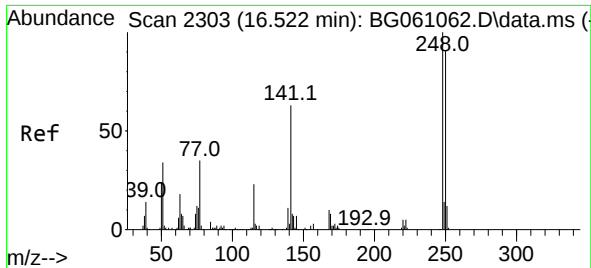
Ion Ratio Lower Upper

188 100

94 5.2 3.6 5.4

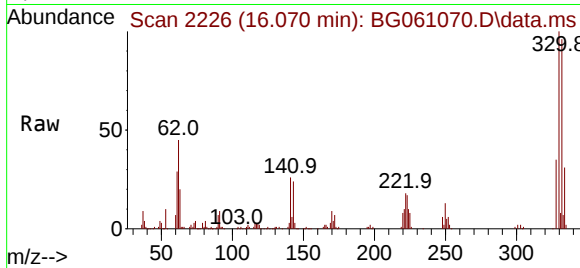
80 4.8 4.2 6.2



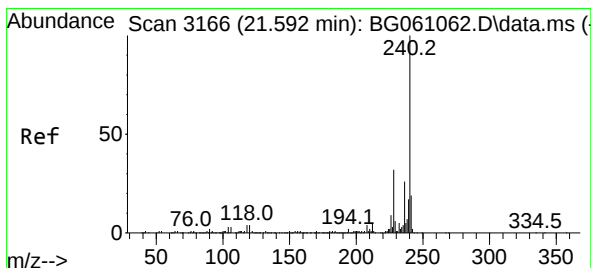
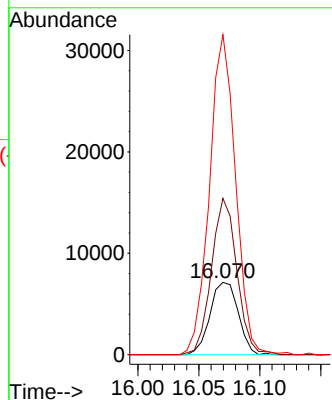
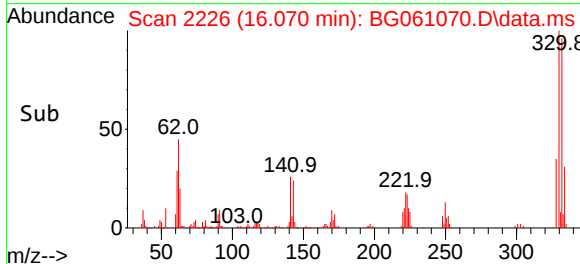


#67  
4-Bromophenyl-phenylether  
Concen: 5.491 ng  
RT: 16.070 min Scan# 211  
Delta R.T. -0.452 min  
Lab File: BG061070.D  
Acq: 1 May 2024 10:25

Instrument :  
BNA\_G  
ClientSampleId :

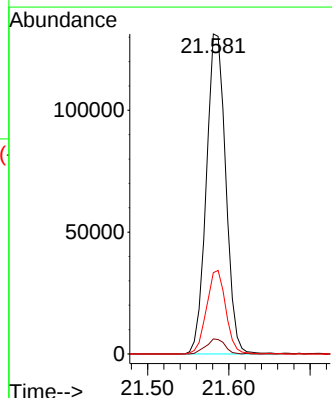
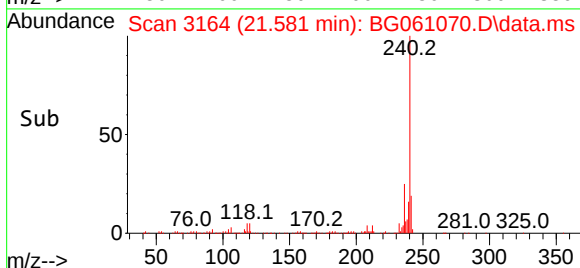
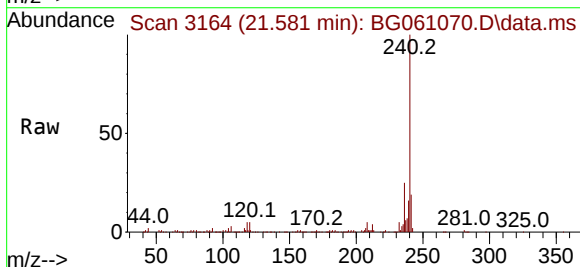


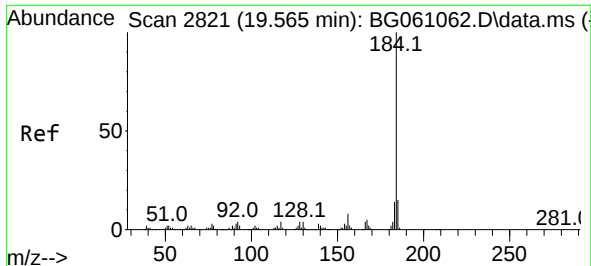
Tgt Ion:248 Resp: 11473  
Ion Ratio Lower Upper  
248 100  
250 216.2 73.0 109.4#  
141 442.8 50.8 76.2#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.581 min Scan# 3164  
Delta R.T. -0.012 min  
Lab File: BG061070.D  
Acq: 1 May 2024 10:25

Tgt Ion:240 Resp: 217356  
Ion Ratio Lower Upper  
240 100  
120 5.5 3.2 4.8#  
236 25.4 21.0 31.6

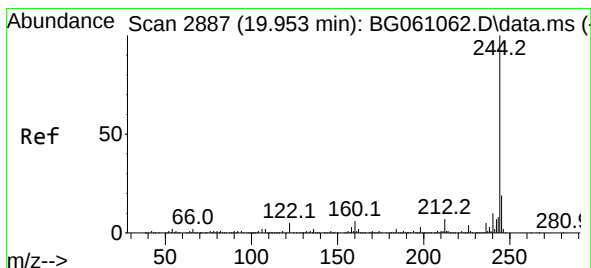
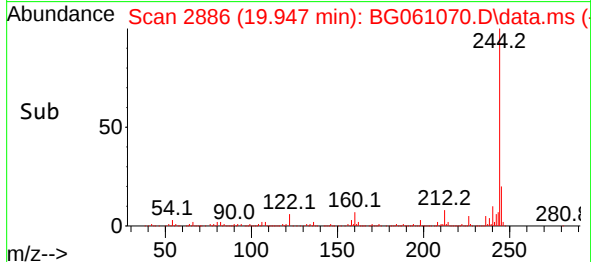
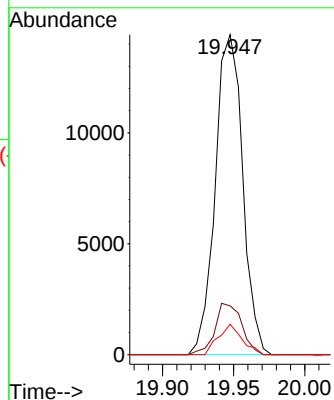
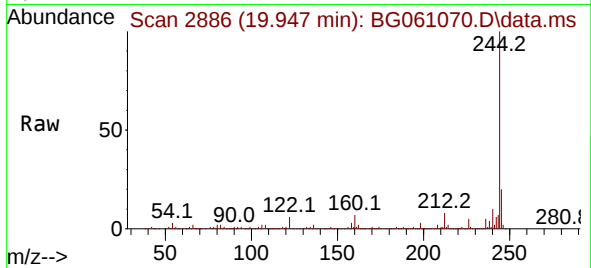




#77  
Benzidine  
Concen: 7.193 ng  
RT: 19.947 min Scan# 2886  
Delta R.T. 0.382 min  
Lab File: BG061070.D  
Acq: 1 May 2024 10:25

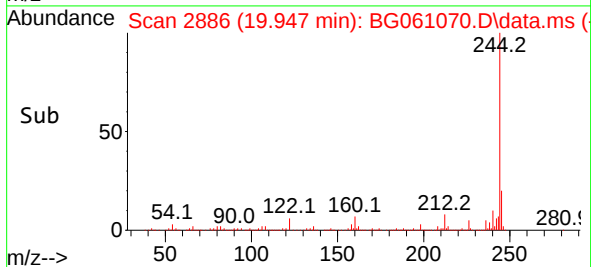
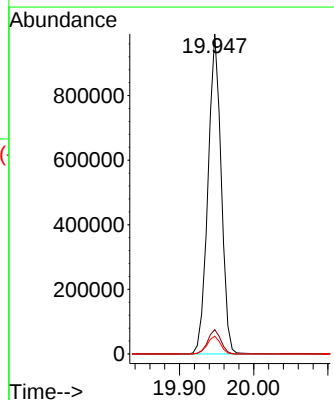
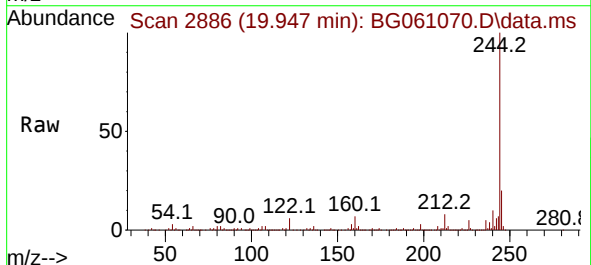
Instrument :  
BNA\_G  
ClientSampleId :

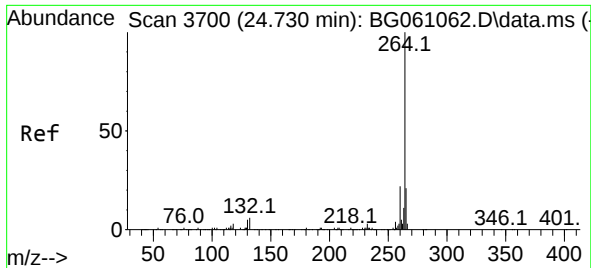
Tgt Ion:184 Resp: 19315  
Ion Ratio Lower Upper  
184 100  
185 15.3 12.0 18.0  
183 9.5 10.9 16.3#



#79  
Terphenyl-d14  
Concen: 93.505 ng  
RT: 19.947 min Scan# 2886  
Delta R.T. -0.006 min  
Lab File: BG061070.D  
Acq: 1 May 2024 10:25

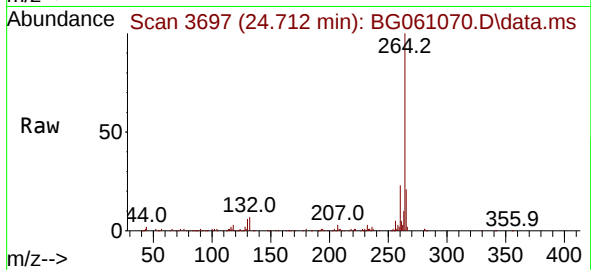
Tgt Ion:244 Resp: 1222012  
Ion Ratio Lower Upper  
244 100  
212 7.6 5.7 8.5  
122 5.5 4.2 6.2





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.712 min Scan# 30  
 Delta R.T. -0.017 min  
 Lab File: BG061070.D  
 Acq: 1 May 2024 10:25

Instrument :  
 BNA\_G  
 ClientSampleId :



Tgt Ion:264 Resp: 242476  
 Ion Ratio Lower Upper  
 264 100  
 260 22.8 17.7 26.5  
 265 20.8 16.4 24.6

