

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG090424\  
 Data File : BG062654.D  
 Acq On : 4 Sep 2024 23:05  
 Operator : MA/JU  
 Sample : PB163109BL  
 Misc : LOD-MDL-WATER-8 ng  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB163109BL

Quant Time: Sep 05 04:54:45 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG083024.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Aug 31 02:36:01 2024  
 Response via : Initial Calibration

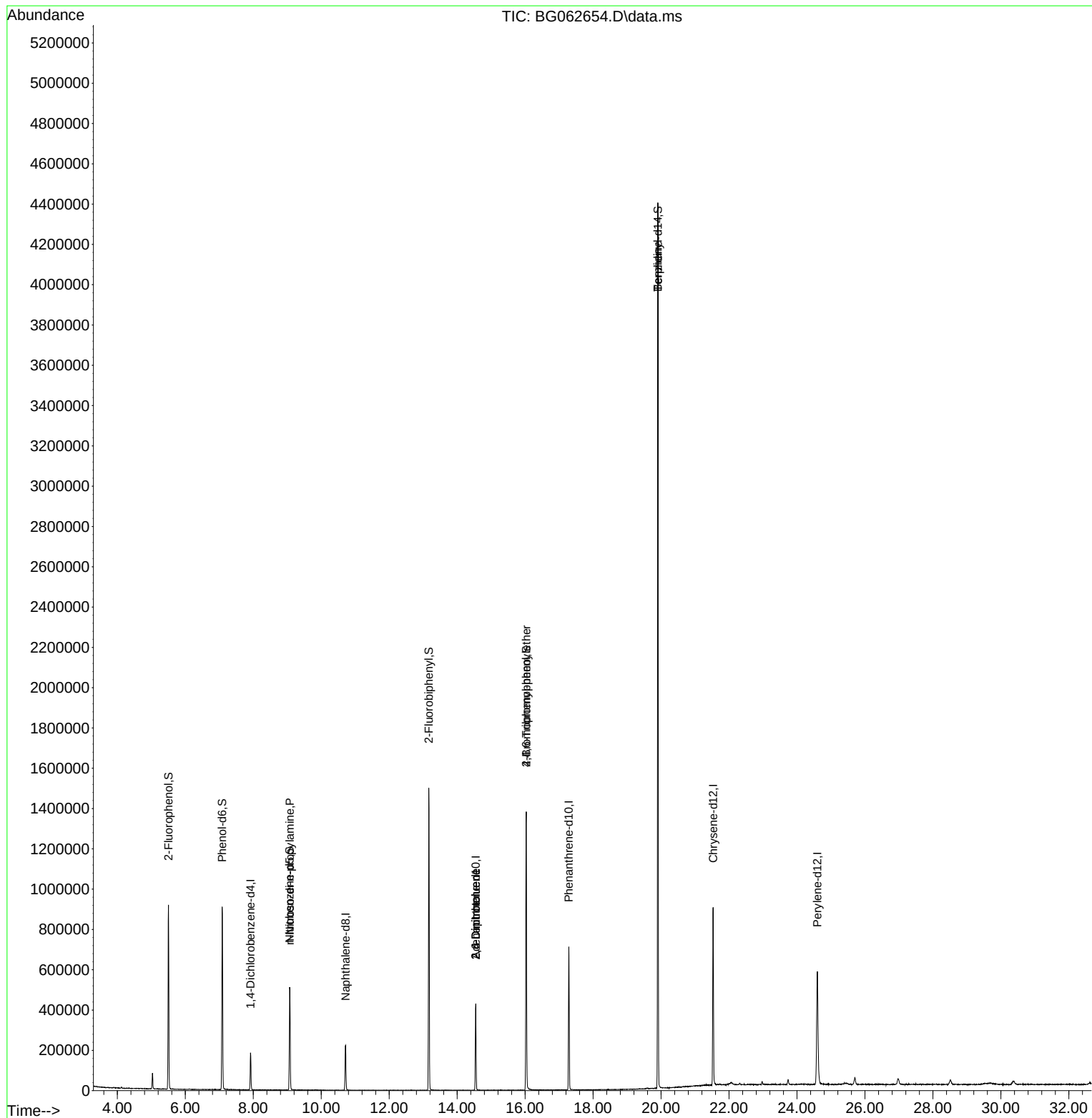
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.918  | 152  | 51429    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.715 | 136  | 197880   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.545 | 164  | 157879   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.283 | 188  | 480092   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.531 | 240  | 552095   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 24.598 | 264  | 621188   | 20.000  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.503  | 112  | 377179   | 126.771 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.084  | 99   | 513205   | 119.399 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.070  | 82   | 311424   | 84.759  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.032 | 330  | 316333   | 142.373 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.165 | 172  | 805878   | 82.681  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.904 | 244  | 2260128  | 81.172  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 9.075  | 70   | 41118    | 12.140  | ng    | # 76     |
| 51) 2,6-Dinitrotoluene        | 14.545 | 165  | 20254    | 9.275   | ng    | # 22     |
| 57) 2,4-Dinitrotoluene        | 14.545 | 165  | 20254    | 6.798   | ng    | # 23     |
| 67) 4-Bromophenyl-phenylether | 16.032 | 248  | 19922    | 4.021   | ng    | # 1      |
| 77) Benzydine                 | 19.904 | 184  | 34630    | 3.480   | ng    | # 92     |
| -----                         |        |      |          |         |       |          |

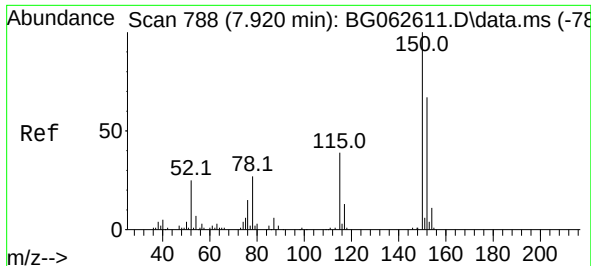
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG083024.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Aug 31 02:36:01 2024  
Response via : Initial Calibration

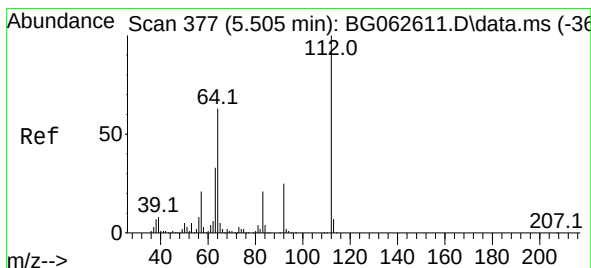
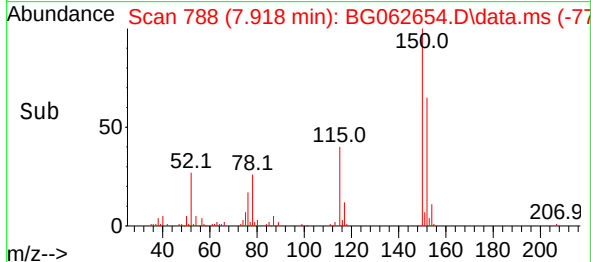
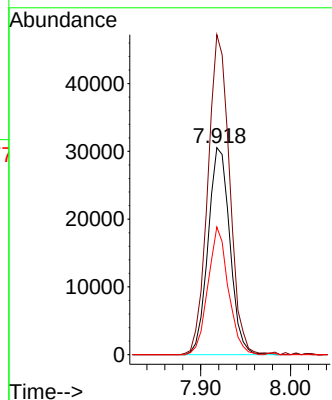
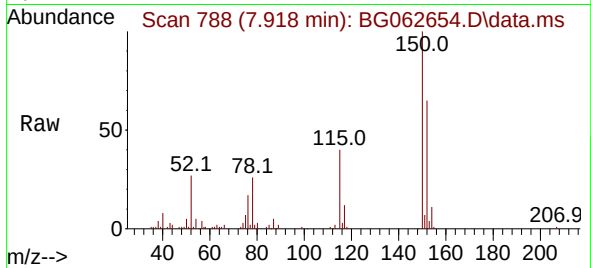




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.918 min Scan# 71  
Delta R.T. -0.002 min  
Lab File: BG062654.D  
Acq: 4 Sep 2024 23:05

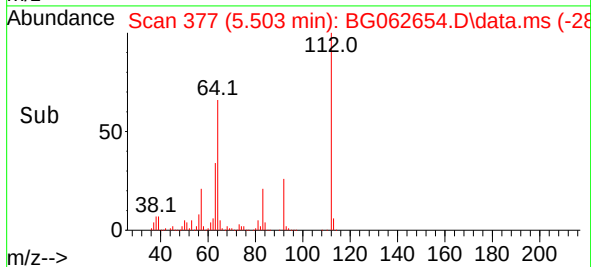
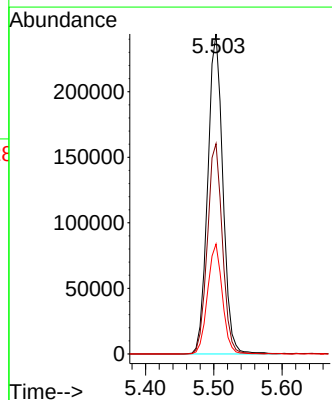
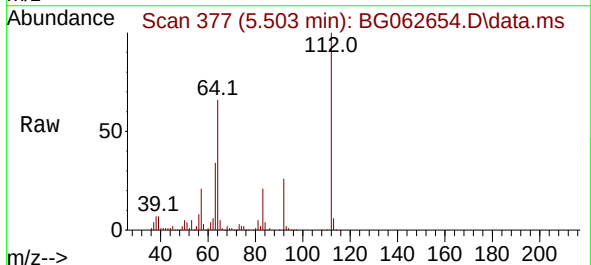
Instrument :  
BNA\_G  
ClientSampleId :  
PB163109BL

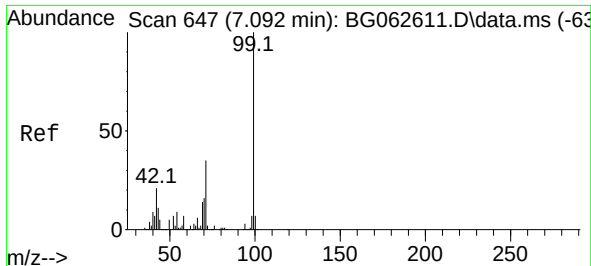
Tgt Ion:152 Resp: 51429  
Ion Ratio Lower Upper  
152 100  
150 154.5 119.9 179.9  
115 61.6 46.6 69.8



#5  
2-Fluorophenol  
Concen: 126.771 ng  
RT: 5.503 min Scan# 377  
Delta R.T. -0.002 min  
Lab File: BG062654.D  
Acq: 4 Sep 2024 23:05

Tgt Ion:112 Resp: 377179  
Ion Ratio Lower Upper  
112 100  
64 65.7 50.2 75.2  
63 34.4 26.6 39.8

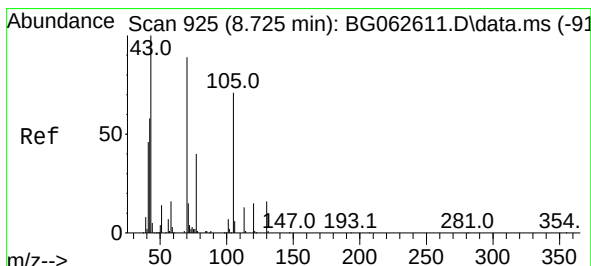
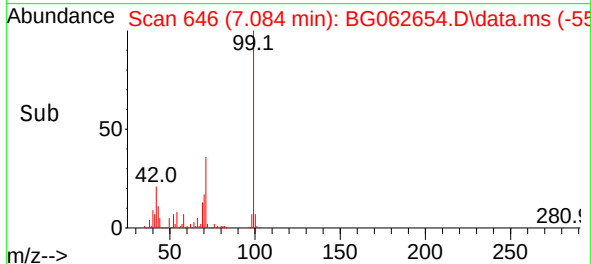
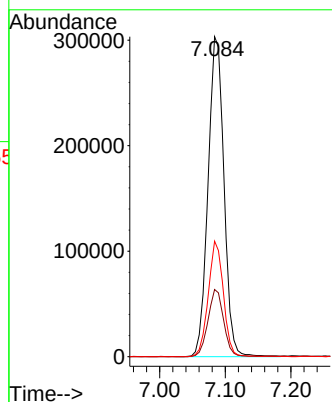
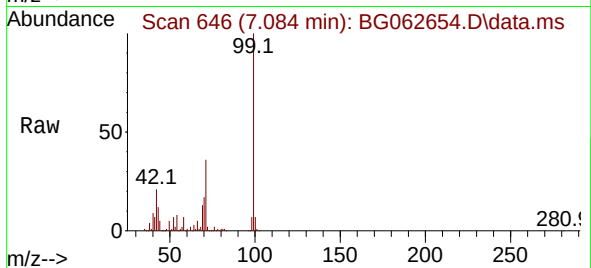




#7  
Phenol-d6  
Concen: 119.399 ng  
RT: 7.084 min Scan# 647  
Delta R.T. -0.008 min  
Lab File: BG062654.D  
Acq: 4 Sep 2024 23:05

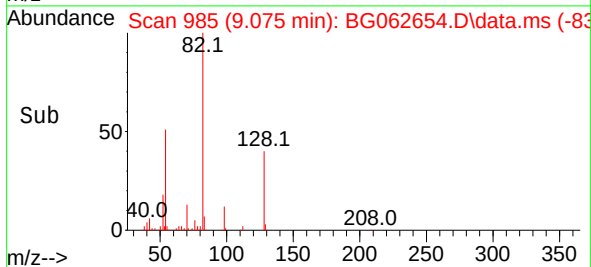
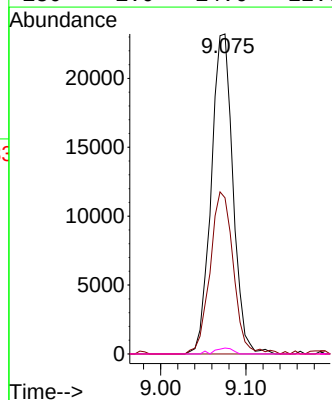
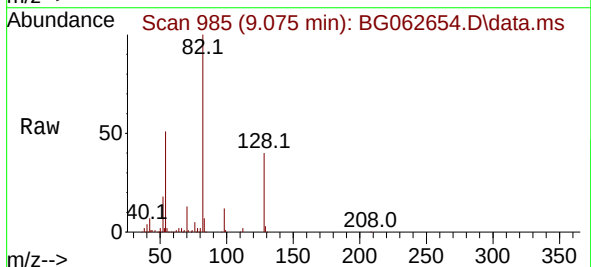
Instrument :  
BNA\_G  
ClientSampleId :  
PB163109BL

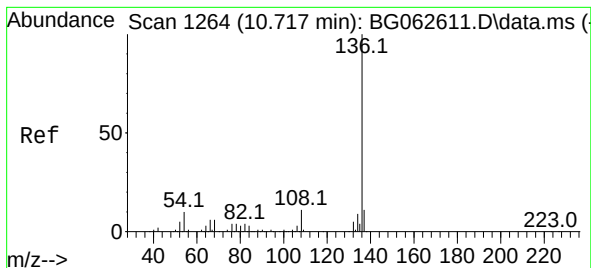
Tgt Ion: 99 Resp: 513205  
Ion Ratio Lower Upper  
99 100  
42 21.0 16.9 25.3  
71 36.1 27.9 41.9



#19  
n-Nitroso-di-n-propylamine  
Concen: 12.140 ng  
RT: 9.075 min Scan# 985  
Delta R.T. 0.350 min  
Lab File: BG062654.D  
Acq: 4 Sep 2024 23:05

Tgt Ion: 70 Resp: 41118  
Ion Ratio Lower Upper  
70 100  
42 48.8 52.3 78.5#  
101 0.0 6.6 9.8#  
130 1.9 14.6 22.0#

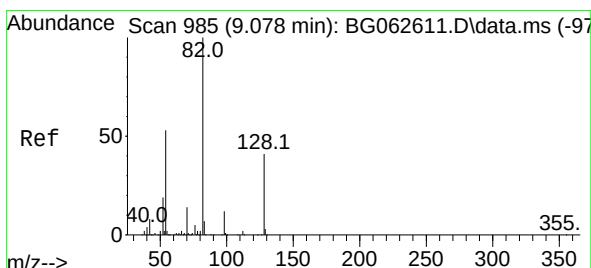
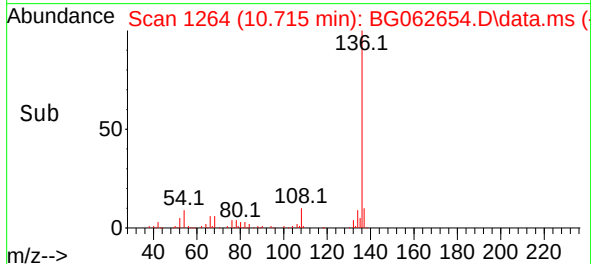
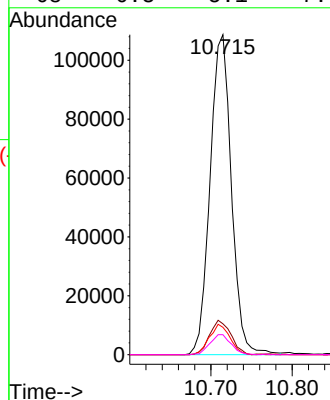
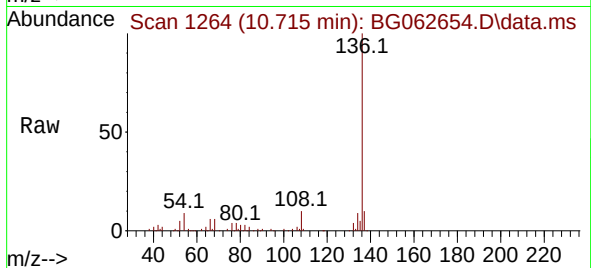




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.715 min Scan# 11  
Delta R.T. -0.002 min  
Lab File: BG062654.D  
Acq: 4 Sep 2024 23:05

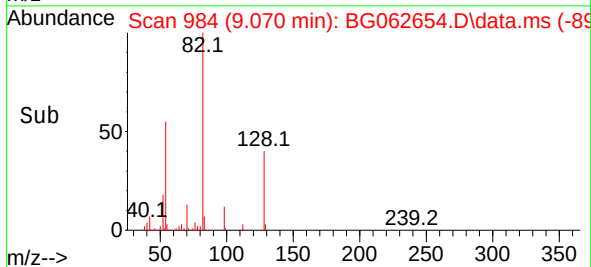
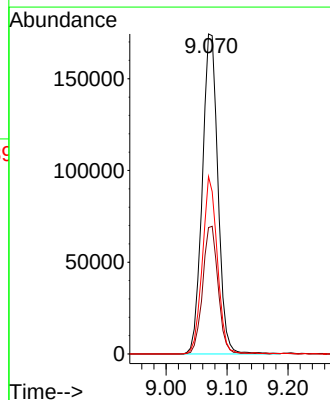
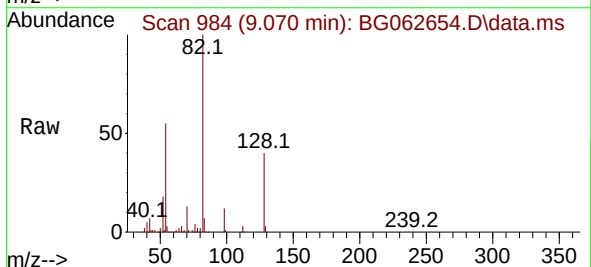
Instrument :  
BNA\_G  
ClientSampleId :  
PB163109BL

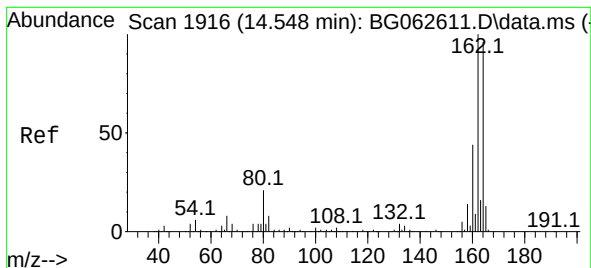
Tgt Ion:136 Resp: 197880  
Ion Ratio Lower Upper  
136 100  
137 9.7 9.0 13.4  
54 8.5 7.8 11.6  
68 6.3 5.1 7.7



#23  
Nitrobenzene-d5  
Concen: 84.759 ng  
RT: 9.070 min Scan# 984  
Delta R.T. -0.008 min  
Lab File: BG062654.D  
Acq: 4 Sep 2024 23:05

Tgt Ion: 82 Resp: 311424  
Ion Ratio Lower Upper  
82 100  
128 39.5 32.5 48.7  
54 55.5 42.5 63.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.545 min Scan# 1916

Delta R.T. -0.002 min

Lab File: BG062654.D

Acq: 4 Sep 2024 23:05

Instrument :

BNA\_G

ClientSampleId :

PB163109BL

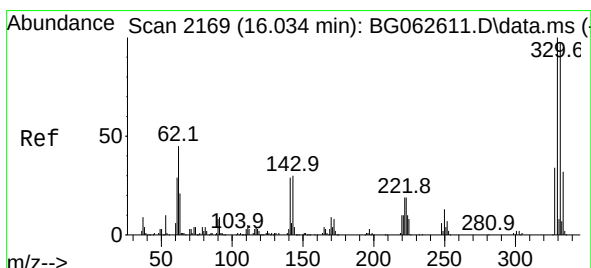
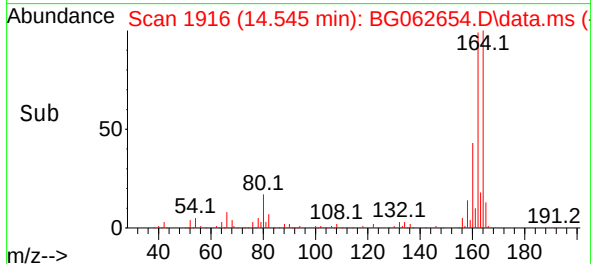
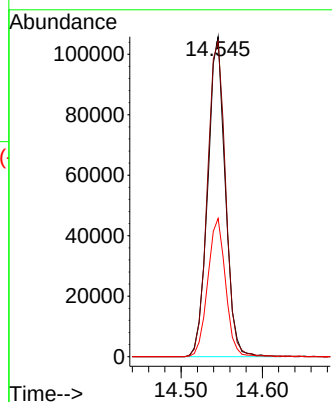
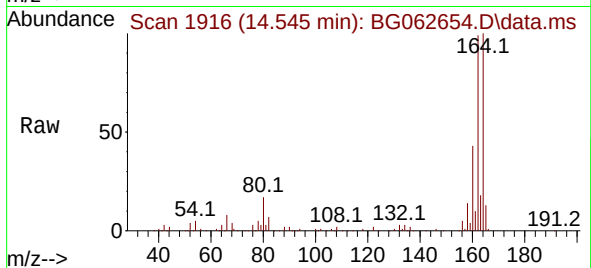
Tgt Ion:164 Resp: 157879

Ion Ratio Lower Upper

164 100

162 98.7 83.1 124.7

160 43.2 36.2 54.4



#42

2,4,6-Tribromophenol

Concen: 142.373 ng

RT: 16.032 min Scan# 2169

Delta R.T. -0.002 min

Lab File: BG062654.D

Acq: 4 Sep 2024 23:05

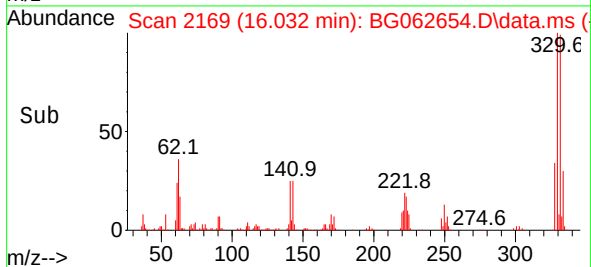
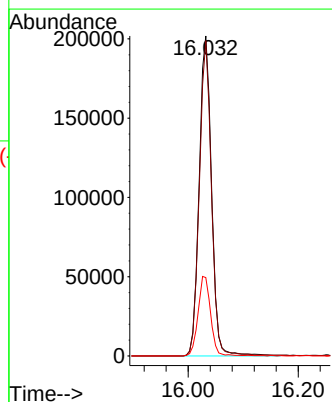
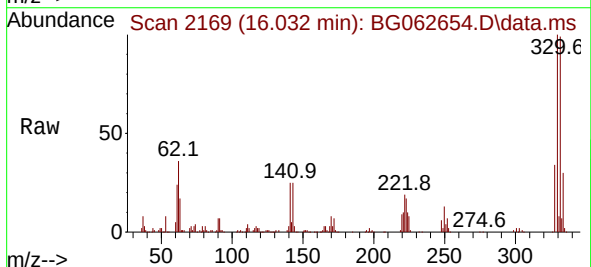
Tgt Ion:330 Resp: 316333

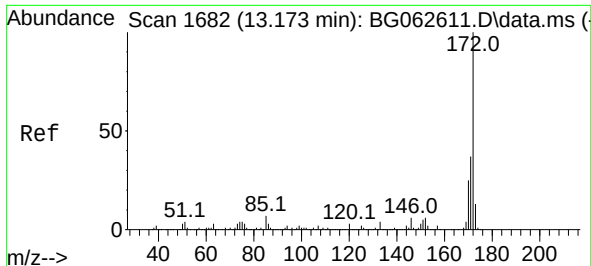
Ion Ratio Lower Upper

330 100

332 95.9 77.2 115.8

141 25.3 22.2 33.4





#45

2-Fluorobiphenyl

Concen: 82.681 ng

RT: 13.165 min Scan# 1

Delta R.T. -0.008 min

Lab File: BG062654.D

Acq: 4 Sep 2024 23:05

Instrument :

BNA\_G

ClientSampleId :

PB163109BL

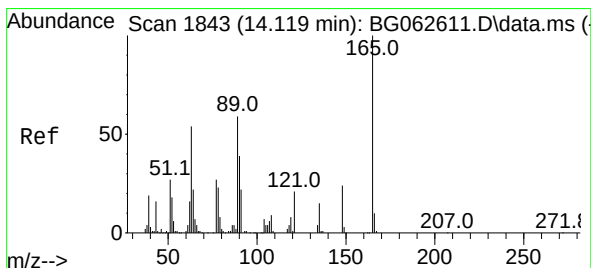
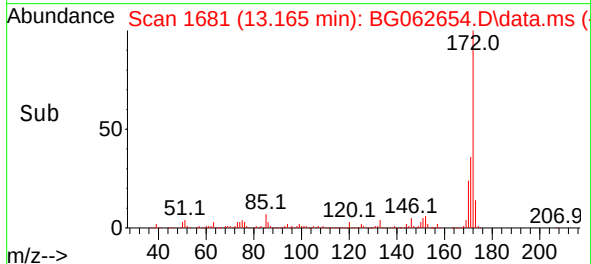
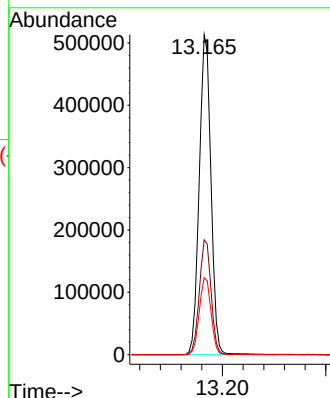
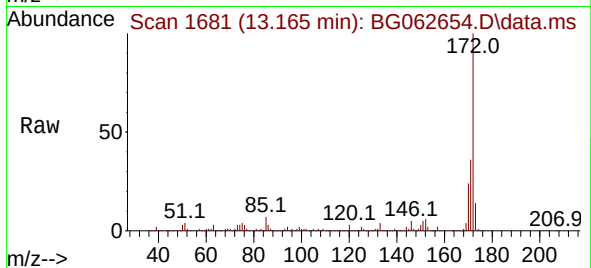
Tgt Ion:172 Resp: 805878

Ion Ratio Lower Upper

172 100

171 35.9 29.7 44.5

170 24.1 20.0 30.0



#51

2,6-Dinitrotoluene

Concen: 9.275 ng

RT: 14.545 min Scan# 1916

Delta R.T. 0.427 min

Lab File: BG062654.D

Acq: 4 Sep 2024 23:05

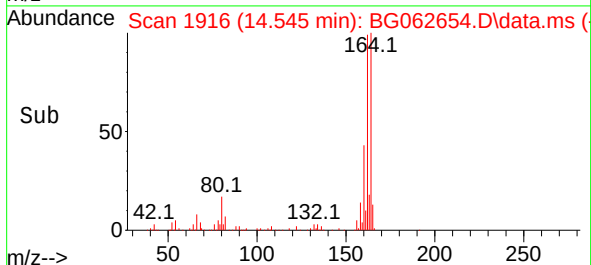
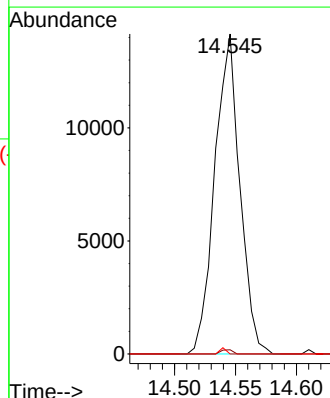
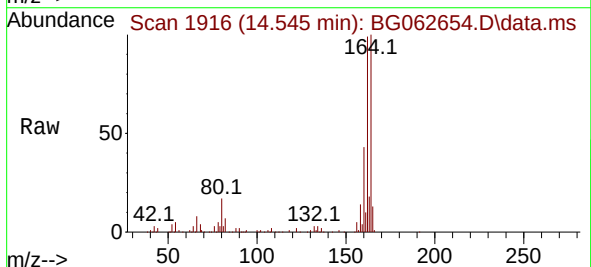
Tgt Ion:165 Resp: 20254

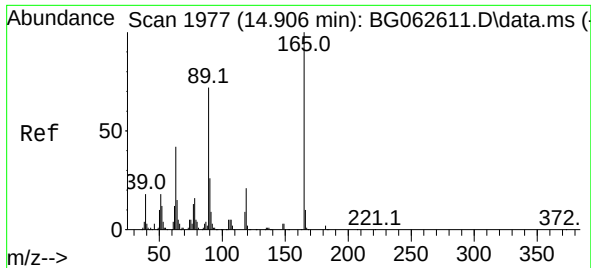
Ion Ratio Lower Upper

165 100

63 1.3 46.6 69.8#

89 0.0 47.2 70.8#

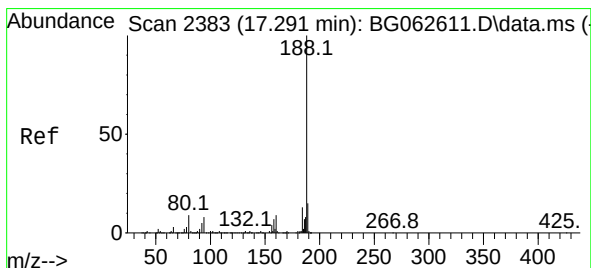
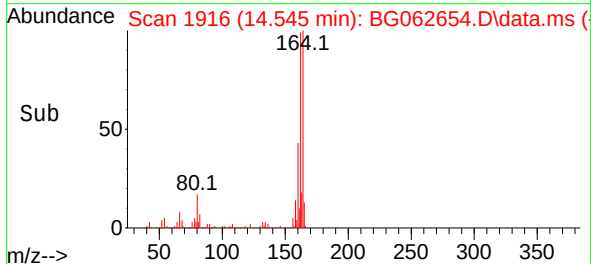
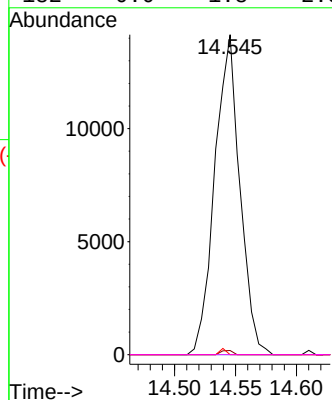
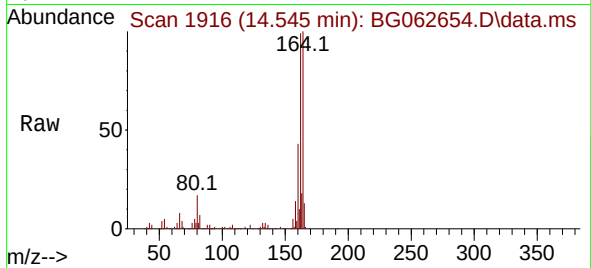




#57  
2,4-Dinitrotoluene  
Concen: 6.798 ng  
RT: 14.545 min Scan# 1977  
Delta R.T. -0.361 min  
Lab File: BG062654.D  
Acq: 4 Sep 2024 23:05

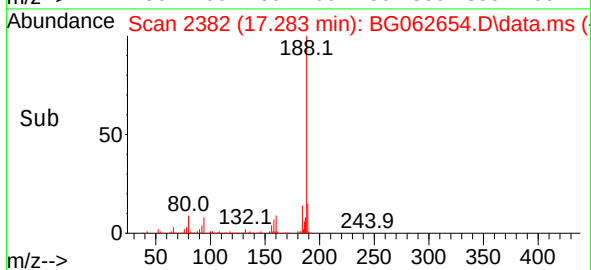
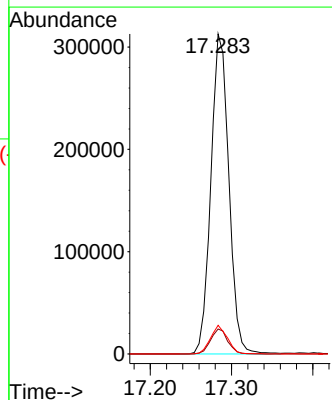
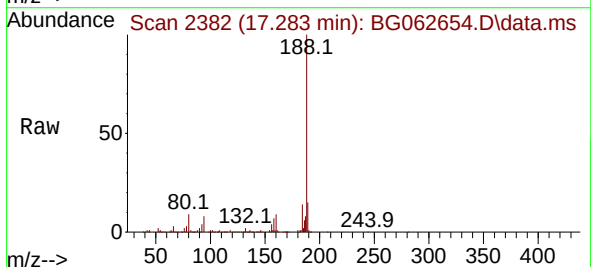
Instrument :  
BNA\_G  
ClientSampleId :  
PB163109BL

Tgt Ion:165 Resp: 20254  
Ion Ratio Lower Upper  
165 100  
63 1.3 33.8 50.6#  
89 0.0 57.9 86.9#  
182 0.0 1.8 2.8#

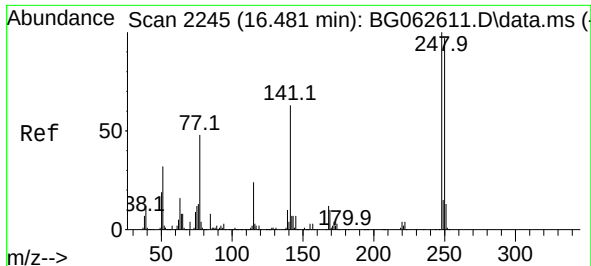


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.283 min Scan# 2382  
Delta R.T. -0.008 min  
Lab File: BG062654.D  
Acq: 4 Sep 2024 23:05

Tgt Ion:188 Resp: 480092  
Ion Ratio Lower Upper  
188 100  
94 7.8 6.3 9.5  
80 8.9 7.0 10.4



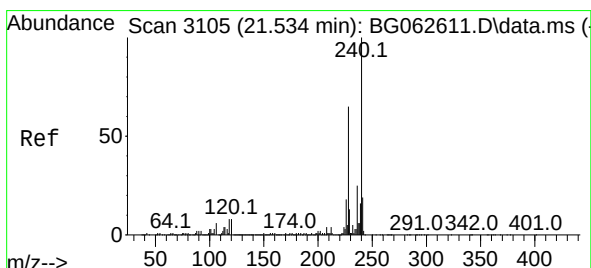
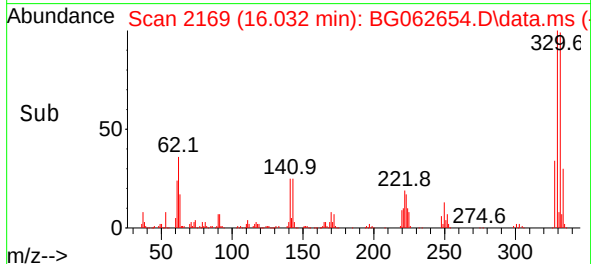
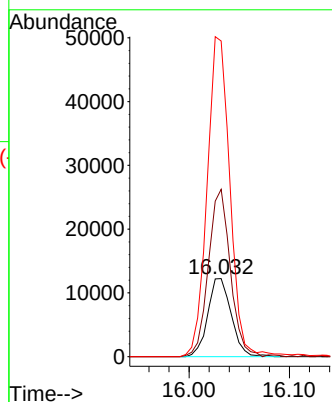
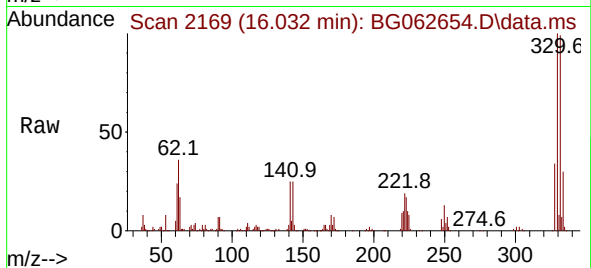




#67  
4-Bromophenyl-phenylether  
Concen: 4.021 ng  
RT: 16.032 min Scan# 2169  
Delta R.T. -0.449 min  
Lab File: BG062654.D  
Acq: 4 Sep 2024 23:05

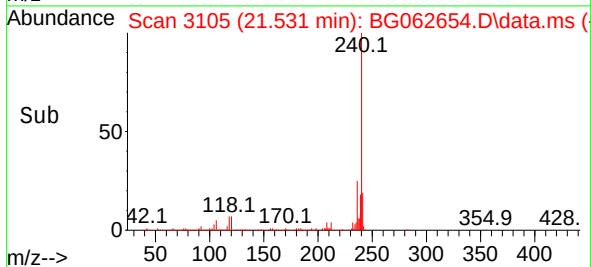
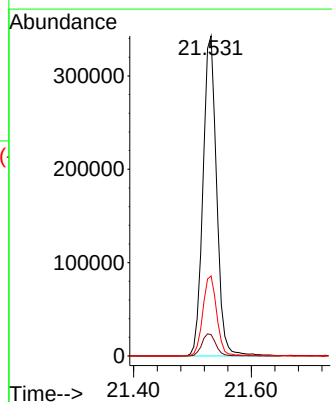
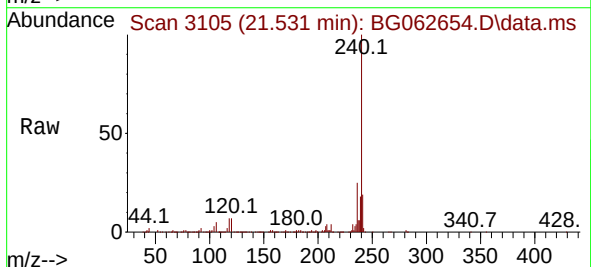
Instrument :  
BNA\_G  
ClientSampleId :  
PB163109BL

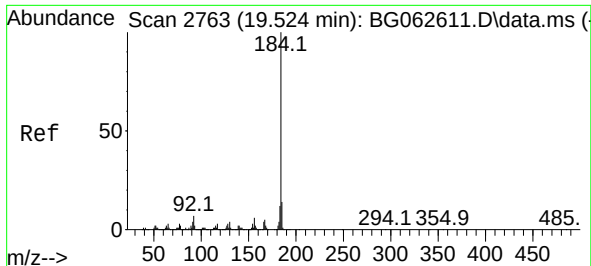
Tgt Ion:248 Resp: 19922  
Ion Ratio Lower Upper  
248 100  
250 214.4 77.9 116.9#  
141 404.2 50.2 75.2#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.531 min Scan# 3105  
Delta R.T. -0.002 min  
Lab File: BG062654.D  
Acq: 4 Sep 2024 23:05

Tgt Ion:240 Resp: 552095  
Ion Ratio Lower Upper  
240 100  
120 6.7 6.6 9.8  
236 25.0 20.2 30.4

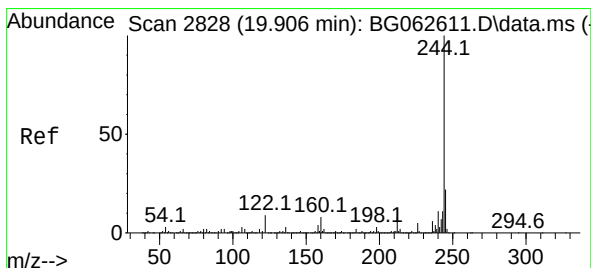
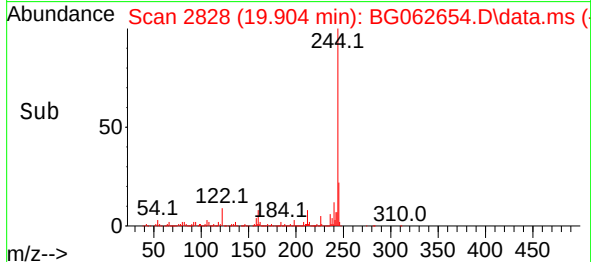
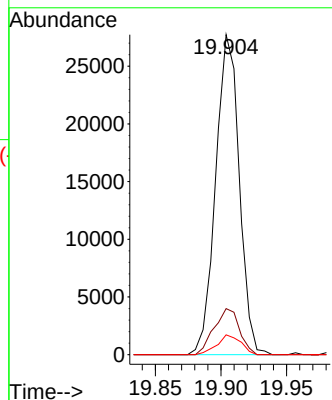
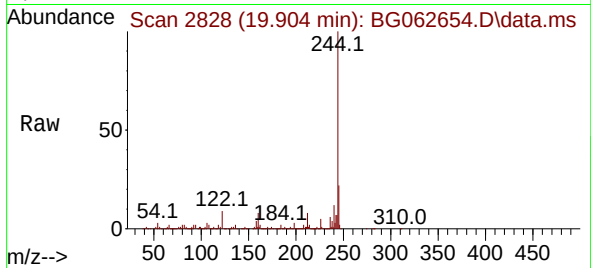




#77  
Benzidine  
Concen: 3.480 ng  
RT: 19.904 min Scan# 21  
Delta R.T. 0.380 min  
Lab File: BG062654.D  
Acq: 4 Sep 2024 23:05

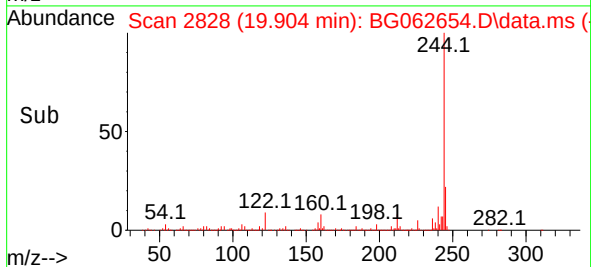
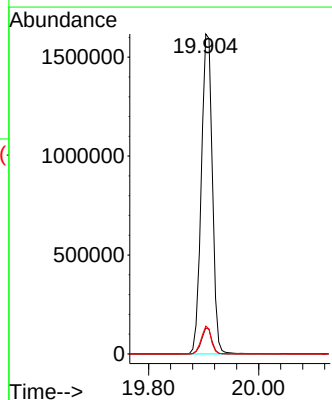
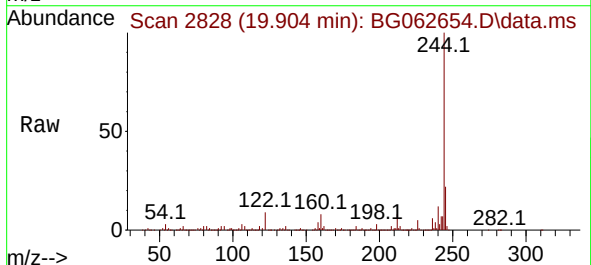
Instrument :  
BNA\_G  
ClientSampleId :  
PB163109BL

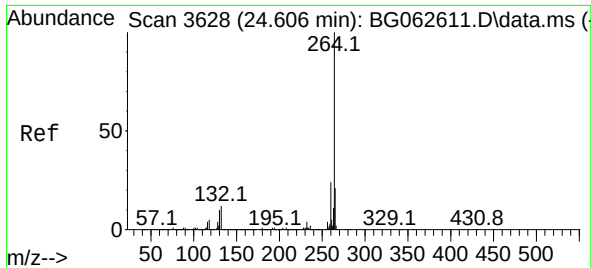
Tgt Ion:184 Resp: 34630  
Ion Ratio Lower Upper  
184 100  
185 14.4 11.0 16.6  
183 6.2 9.7 14.5#



#79  
Terphenyl-d14  
Concen: 81.172 ng  
RT: 19.904 min Scan# 2828  
Delta R.T. -0.002 min  
Lab File: BG062654.D  
Acq: 4 Sep 2024 23:05

Tgt Ion:244 Resp: 2260128  
Ion Ratio Lower Upper  
244 100  
212 8.1 6.6 10.0  
122 8.7 7.2 10.8





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 24.598 min Scan# 30  
Delta R.T. -0.008 min  
Lab File: BG062654.D  
Acq: 4 Sep 2024 23:05

Instrument :  
BNA\_G  
ClientSampleId :  
PB163109BL

Tgt Ion:264 Resp: 621188  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 22.7  | 19.0  | 28.4  |
| 265 | 22.0  | 17.3  | 25.9  |

