

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG120523\  
 Data File : BG059950.D  
 Acq On : 5 Dec 2023 15:25  
 Operator : MA/JU  
 Sample : 05560-01  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 RT4746

Quant Time: Dec 05 18:25:10 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG120423.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 05 02:26:15 2023  
 Response via : Initial Calibration

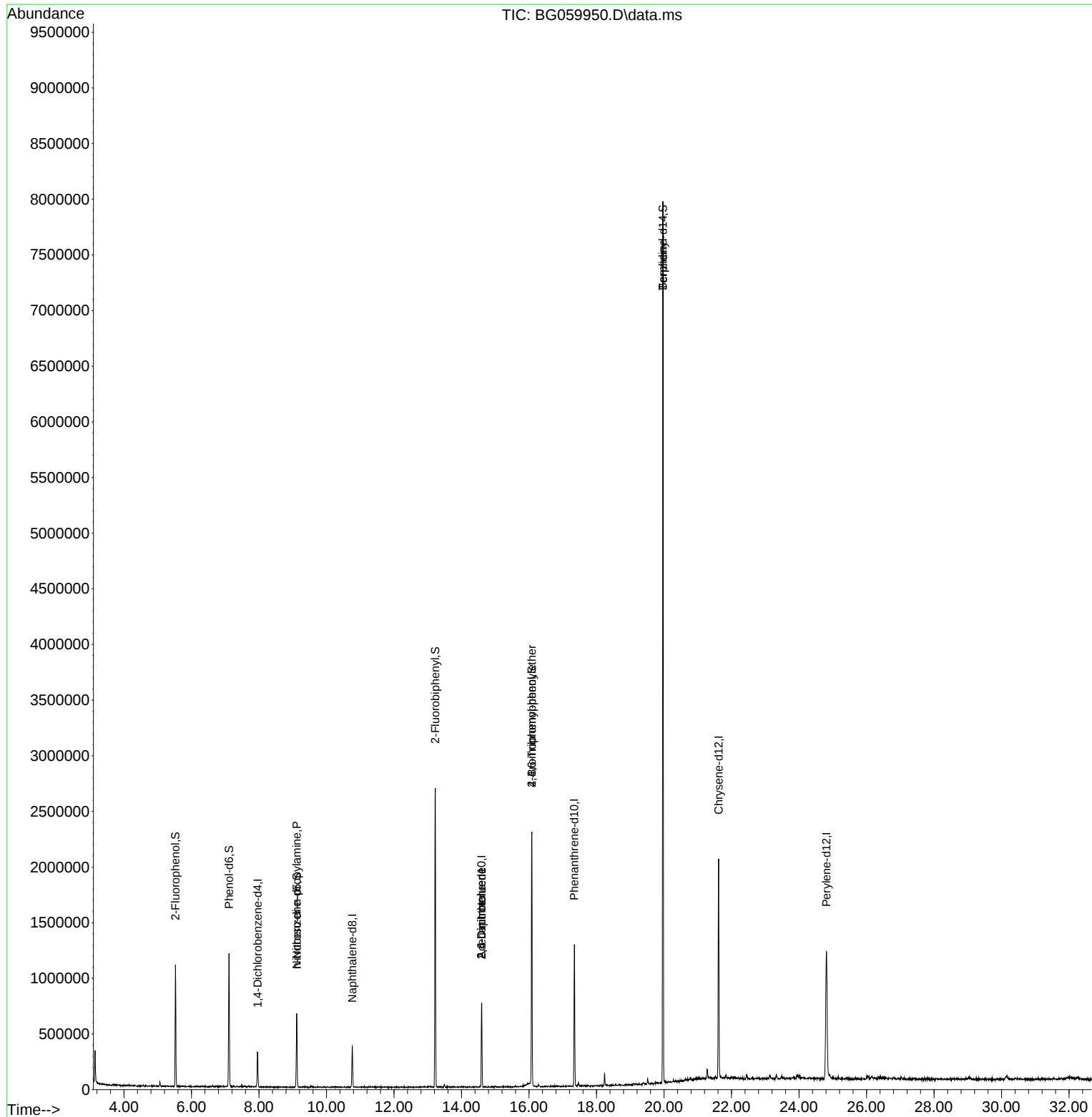
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.959  | 152  | 77928    | 20.000 | ng    | # 0.00   |
| 21) Naphthalene-d8            | 10.761 | 136  | 268386   | 20.000 | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.592 | 164  | 271811   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.342 | 188  | 912552   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 21.619 | 240  | 1378551  | 20.000 | ng    | # 0.00   |
| 86) Perylene-d12              | 24.809 | 264  | 1662425  | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.526  | 112  | 378681   | 97.636 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.112  | 99   | 558403   | 91.347 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.116  | 82   | 399684   | 53.235 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.084 | 330  | 590245   | 67.493 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.223 | 172  | 1414666  | 56.766 | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.968 | 244  | 4234761  | 52.956 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
| 19) n-Nitroso-di-n-propyla... | 9.116  | 70   | 60221    | 13.145 | ng    | # 78     |
| 51) 2,6-Dinitrotoluene        | 14.592 | 165  | 38074    | 7.510  | ng    | # 18     |
| 57) 2,4-Dinitrotoluene        | 14.592 | 165  | 38074    | 5.400  | ng    | # 22     |
| 67) 4-Bromophenyl-phenylether | 16.084 | 248  | 31416    | 2.009  | ng    | # 1      |
| 77) Benzidine                 | 19.968 | 184  | 74002    | 6.369  | ng    | # 90     |
| -----                         |        |      |          |        |       |          |

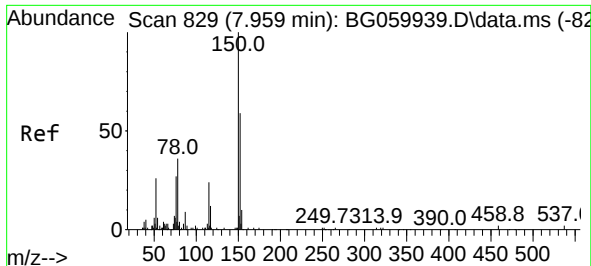
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : 05560-01  
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ALS Vial : 6 Sample Multiplier: 1

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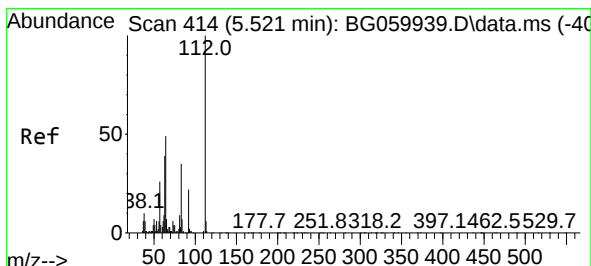
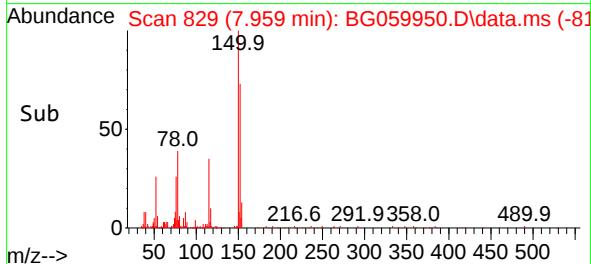
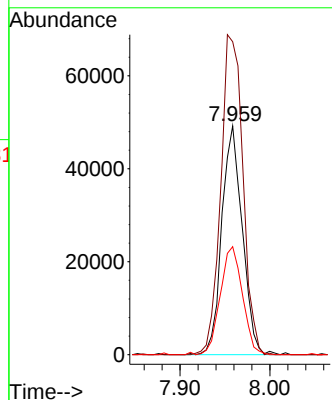
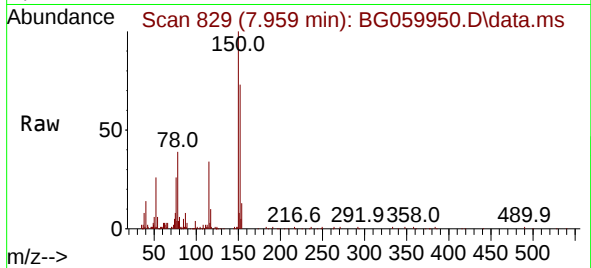




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.959 min Scan# 81  
Delta R.T. -0.000 min  
Lab File: BG059950.D  
Acq: 5 Dec 2023 15:25

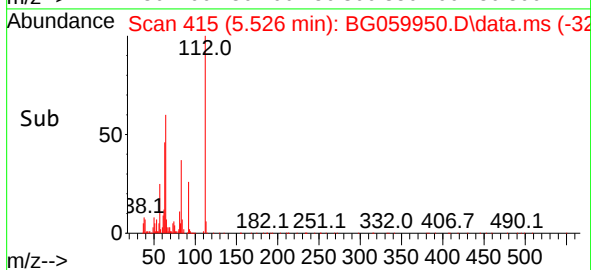
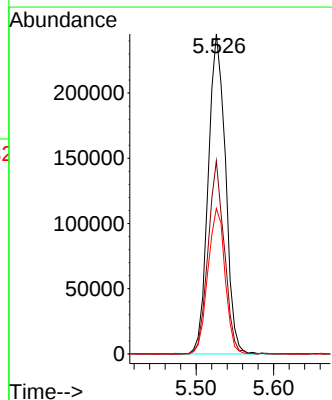
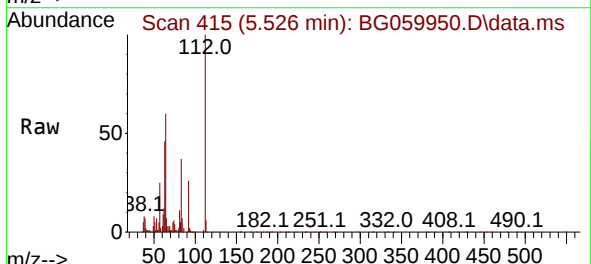
Instrument :  
BNA\_G  
ClientSampleId :  
RT4746

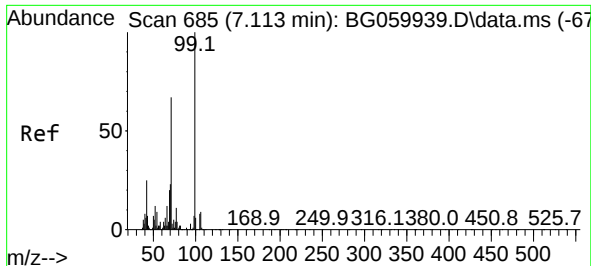
Tgt Ion:152 Resp: 77928  
Ion Ratio Lower Upper  
152 100  
150 136.7 136.9 205.3#  
115 47.2 32.9 49.3



#5  
2-Fluorophenol  
Concen: 97.636 ng  
RT: 5.526 min Scan# 415  
Delta R.T. 0.005 min  
Lab File: BG059950.D  
Acq: 5 Dec 2023 15:25

Tgt Ion:112 Resp: 378681  
Ion Ratio Lower Upper  
112 100  
64 60.3 39.4 59.0#  
63 45.5 31.2 46.8

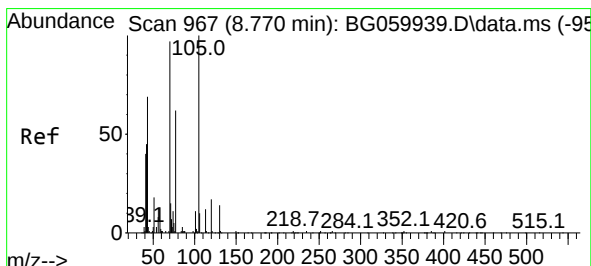
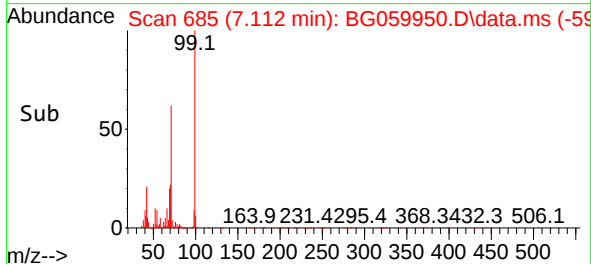
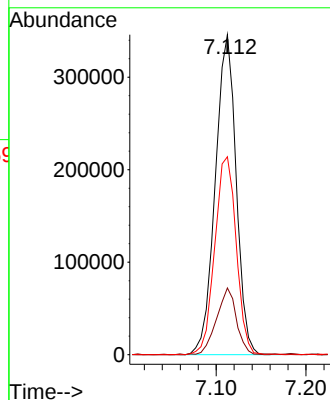
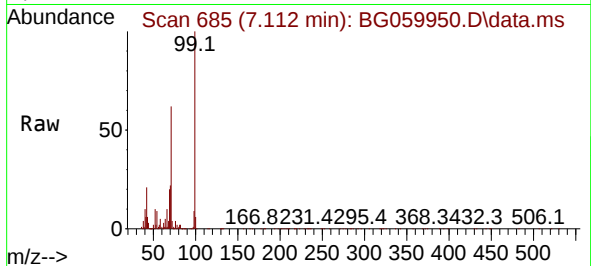




#7  
Phenol-d6  
Concen: 91.347 ng  
RT: 7.112 min Scan# 61  
Delta R.T. -0.001 min  
Lab File: BG059950.D  
Acq: 5 Dec 2023 15:25

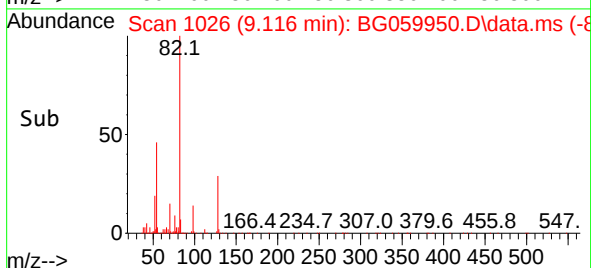
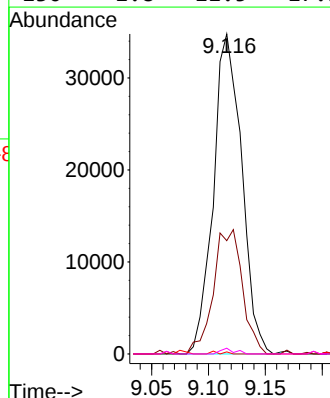
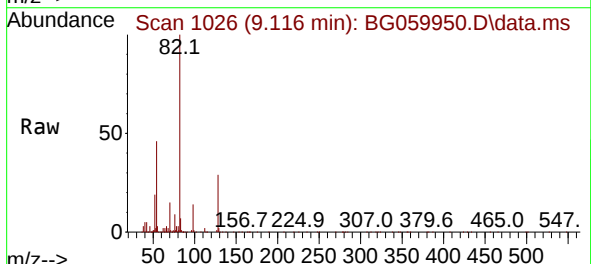
Instrument :  
BNA\_G  
ClientSampleId :  
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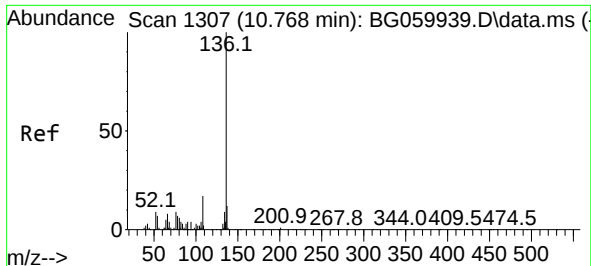
Tgt Ion: 99 Resp: 558403  
Ion Ratio Lower Upper  
99 100  
42 20.9 20.1 30.1  
71 61.9 53.8 80.6



#19  
n-Nitroso-di-n-propylamine  
Concen: 13.145 ng  
RT: 9.116 min Scan# 1026  
Delta R.T. 0.346 min  
Lab File: BG059950.D  
Acq: 5 Dec 2023 15:25

Tgt Ion: 70 Resp: 60221  
Ion Ratio Lower Upper  
70 100  
42 35.4 38.1 57.1#  
101 0.7 8.6 13.0#  
130 1.8 11.5 17.3#

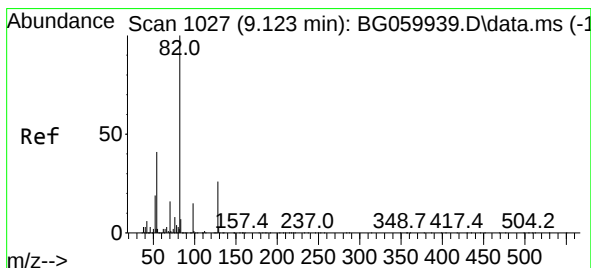
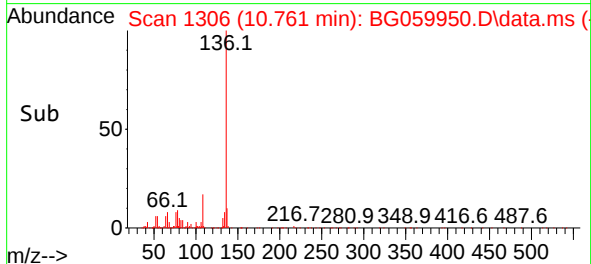
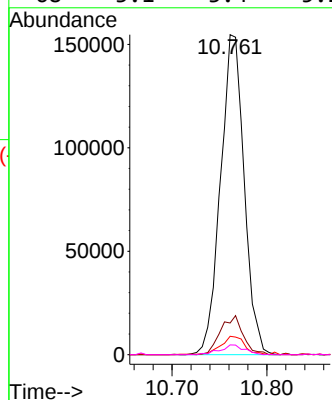
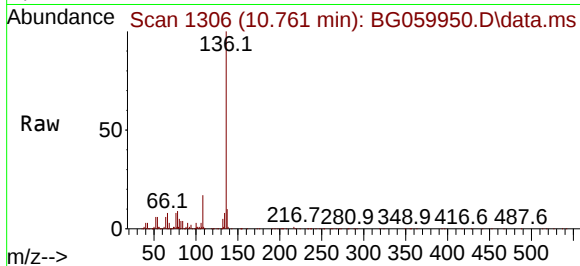




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.761 min Scan# 11  
Delta R.T. -0.007 min  
Lab File: BG059950.D  
Acq: 5 Dec 2023 15:25

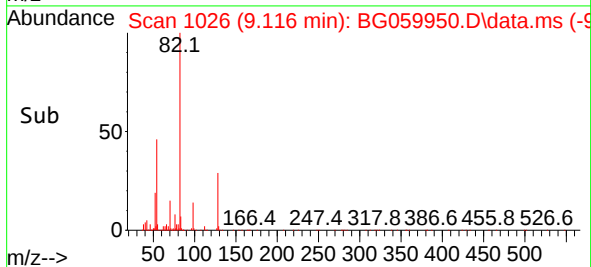
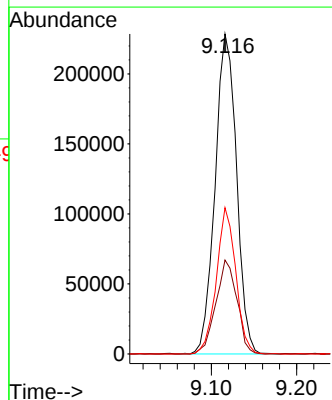
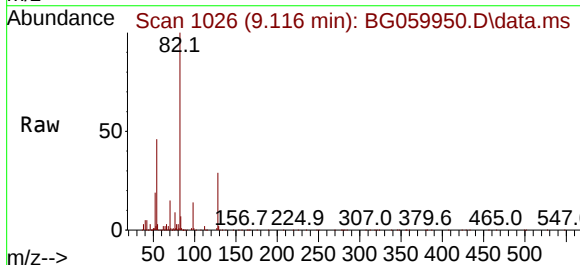
Instrument :  
BNA\_G  
ClientSampleId :  
RT4746

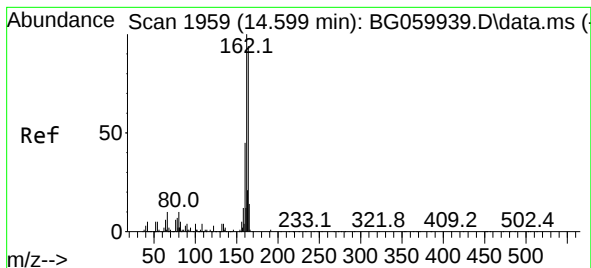
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 268386 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 9.9   | 9.8   | 14.6   |
| 54       | 5.7   | 5.8   | 8.6#   |
| 68       | 3.1   | 3.4   | 5.2#   |



#23  
Nitrobenzene-d5  
Concen: 53.235 ng  
RT: 9.116 min Scan# 1026  
Delta R.T. -0.007 min  
Lab File: BG059950.D  
Acq: 5 Dec 2023 15:25

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 399684 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 29.3  | 21.0  | 31.6   |
| 54       | 45.7  | 32.6  | 48.8   |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.592 min Scan# 1958

Delta R.T. -0.007 min

Lab File: BG059950.D

Acq: 5 Dec 2023 15:25

Instrument :

BNA\_G

ClientSampleId :

RT4746

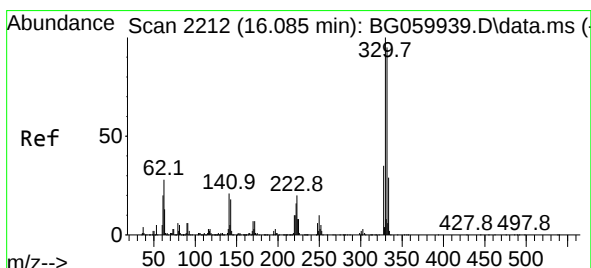
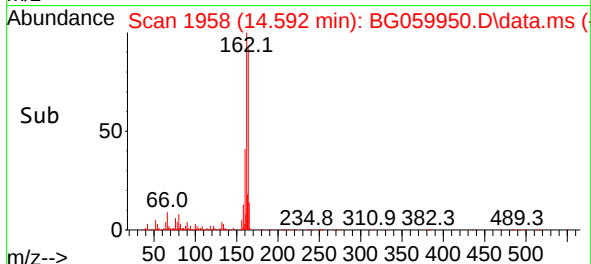
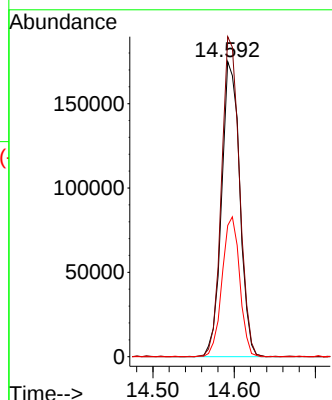
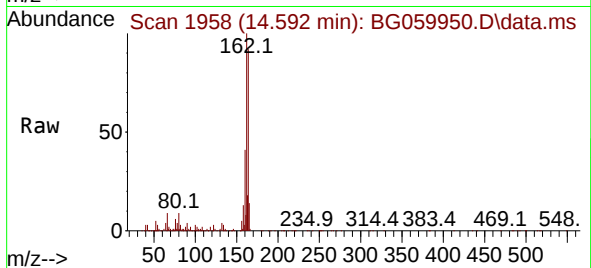
Tgt Ion:164 Resp: 271811

Ion Ratio Lower Upper

164 100

162 108.5 85.0 127.6

160 44.5 38.1 57.1



#42

2,4,6-Tribromophenol

Concen: 67.493 ng

RT: 16.084 min Scan# 2212

Delta R.T. -0.001 min

Lab File: BG059950.D

Acq: 5 Dec 2023 15:25

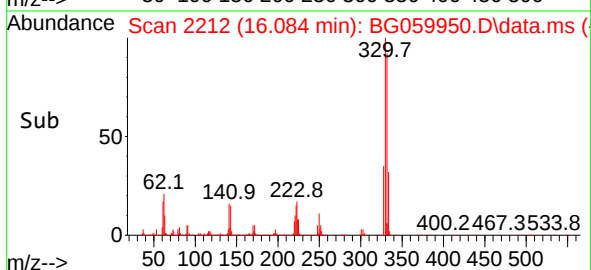
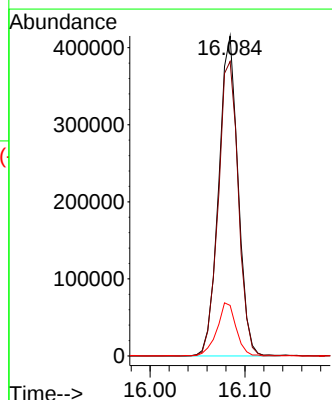
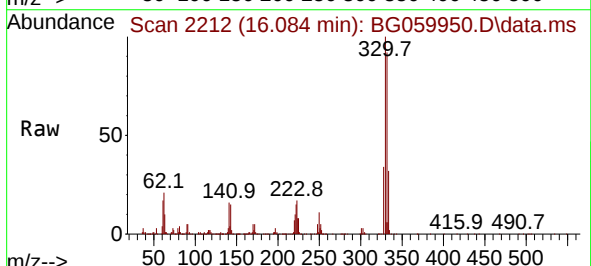
Tgt Ion:330 Resp: 590245

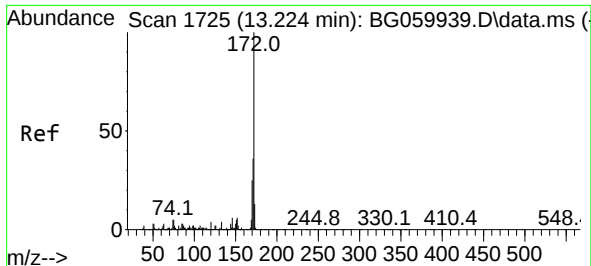
Ion Ratio Lower Upper

330 100

332 95.3 76.5 114.7

141 16.5 15.0 22.6

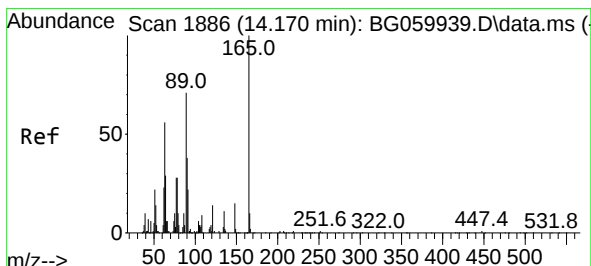
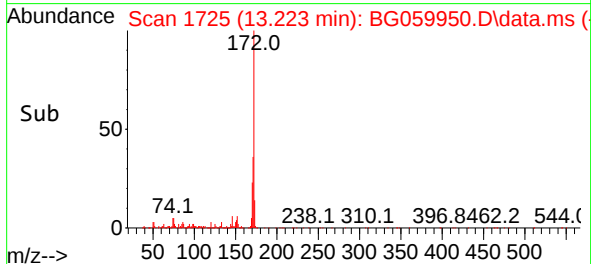
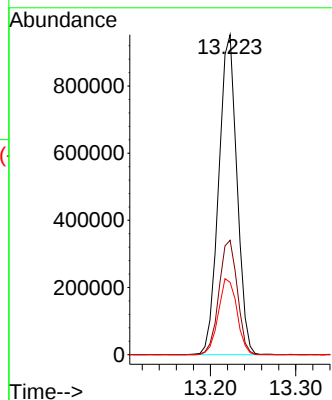
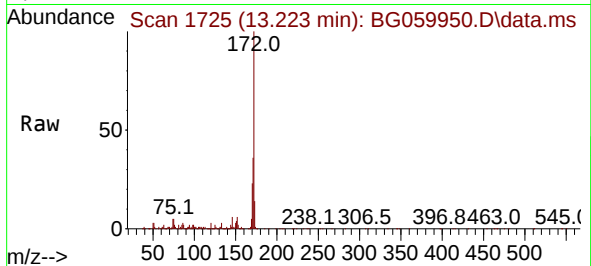




#45  
2-Fluorobiphenyl  
Concen: 56.766 ng  
RT: 13.223 min Scan# 11  
Delta R.T. -0.001 min  
Lab File: BG059950.D  
Acq: 5 Dec 2023 15:25

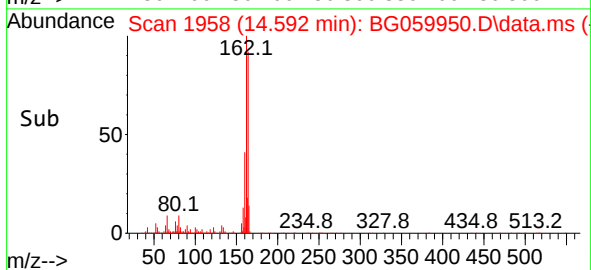
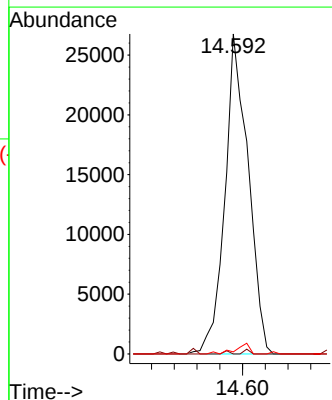
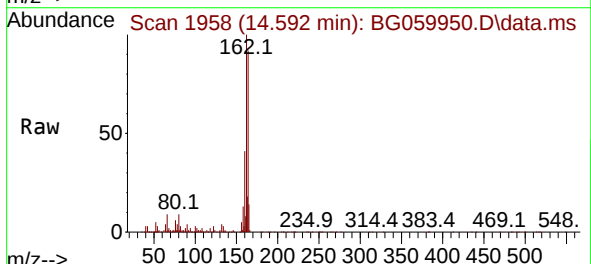
Instrument :  
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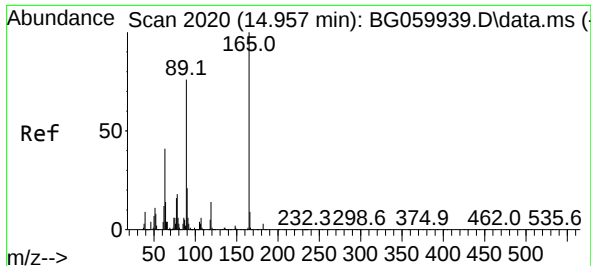
Tgt Ion:172 Resp: 1414666  
Ion Ratio Lower Upper  
172 100  
171 35.8 28.6 43.0  
170 22.6 19.8 29.8



#51  
2,6-Dinitrotoluene  
Concen: 7.510 ng  
RT: 14.592 min Scan# 1958  
Delta R.T. 0.422 min  
Lab File: BG059950.D  
Acq: 5 Dec 2023 15:25

Tgt Ion:165 Resp: 38074  
Ion Ratio Lower Upper  
165 100  
63 0.0 47.2 70.8#  
89 0.7 57.1 85.7#

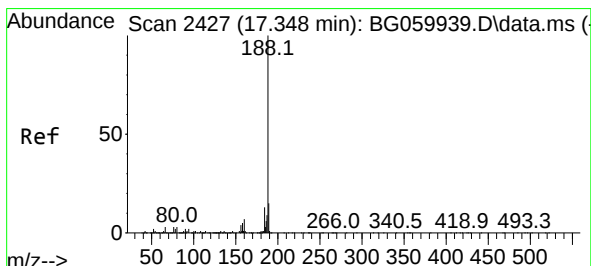
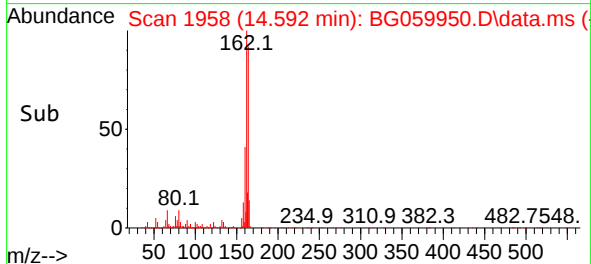
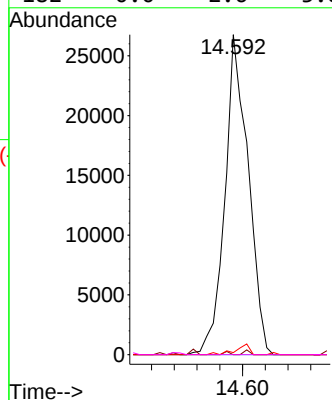
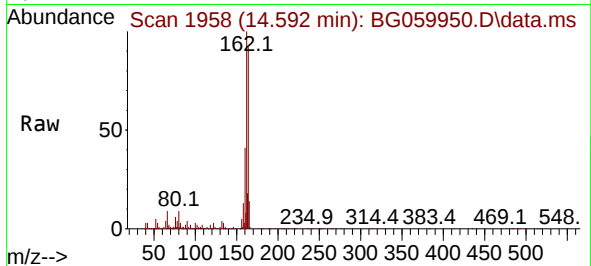




#57  
2,4-Dinitrotoluene  
Concen: 5.400 ng  
RT: 14.592 min Scan# 1958  
Delta R.T. -0.365 min  
Lab File: BG059950.D  
Acq: 5 Dec 2023 15:25

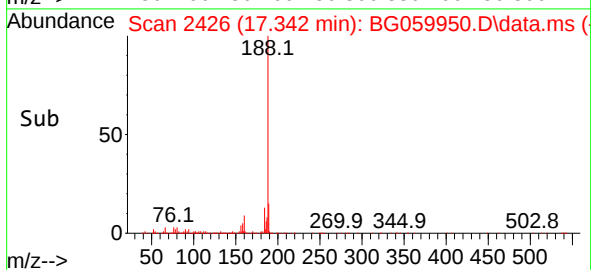
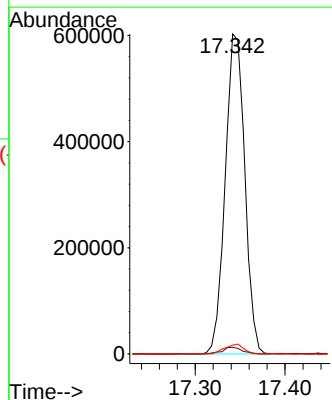
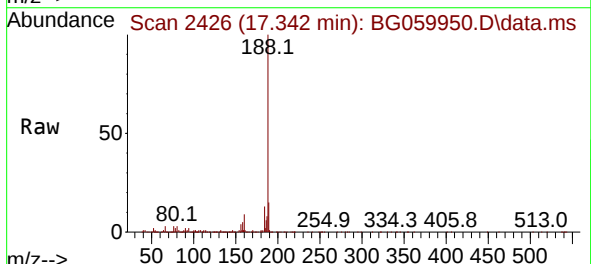
Instrument :  
BNA\_G  
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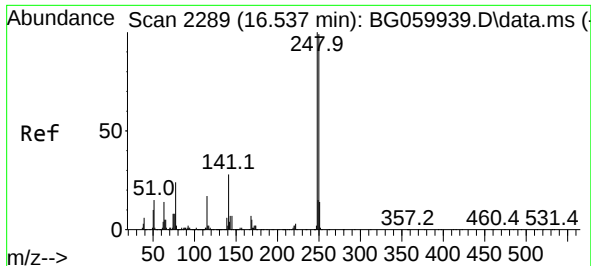
Tgt Ion:165 Resp: 38074  
Ion Ratio Lower Upper  
165 100  
63 0.0 32.8 49.2#  
89 0.7 60.6 90.8#  
182 0.0 2.6 3.8#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.342 min Scan# 2426  
Delta R.T. -0.007 min  
Lab File: BG059950.D  
Acq: 5 Dec 2023 15:25

Tgt Ion:188 Resp: 912552  
Ion Ratio Lower Upper  
188 100  
94 2.0 1.8 2.6  
80 2.8 2.2 3.4

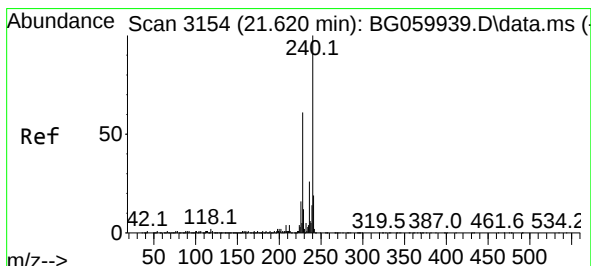
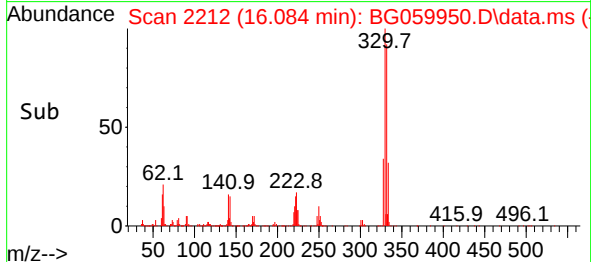
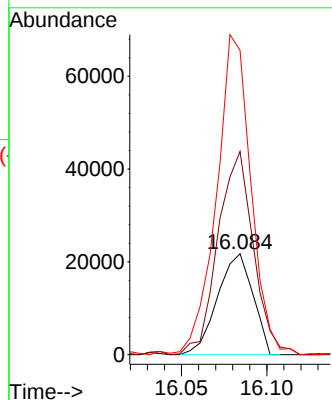
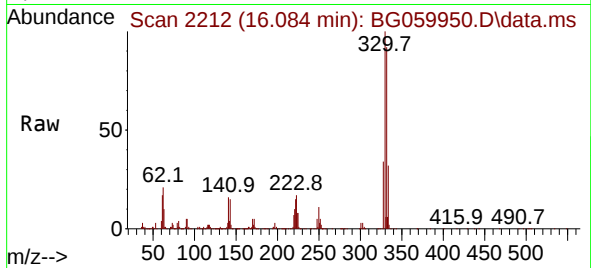




#67  
4-Bromophenyl-phenylether  
Concen: 2.009 ng  
RT: 16.084 min Scan# 21  
Delta R.T. -0.453 min  
Lab File: BG059950.D  
Acq: 5 Dec 2023 15:25

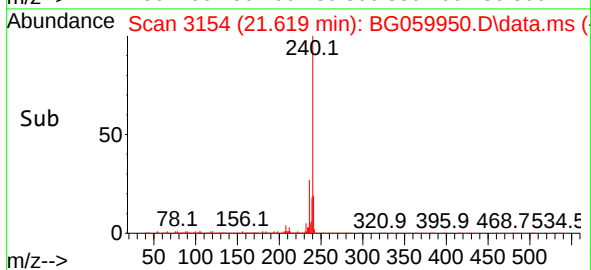
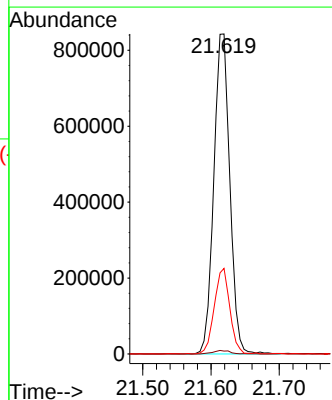
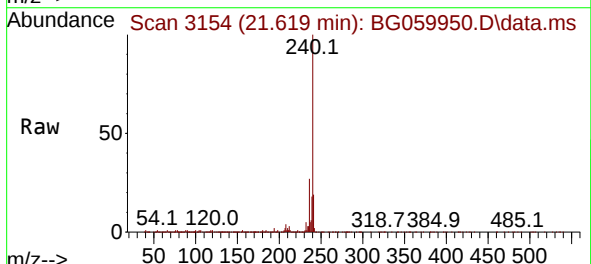
Instrument :  
BNA\_G  
ClientSampleId :  
RT4746

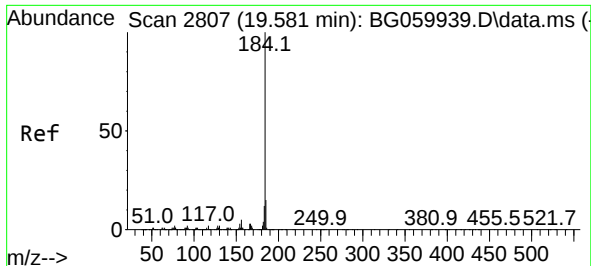
Tgt Ion:248 Resp: 31416  
Ion Ratio Lower Upper  
248 100  
250 201.2 79.0 118.4#  
141 301.2 22.3 33.5#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.619 min Scan# 3154  
Delta R.T. -0.001 min  
Lab File: BG059950.D  
Acq: 5 Dec 2023 15:25

Tgt Ion:240 Resp: 1378551  
Ion Ratio Lower Upper  
240 100  
120 0.9 1.0 1.4#  
236 26.7 20.8 31.2

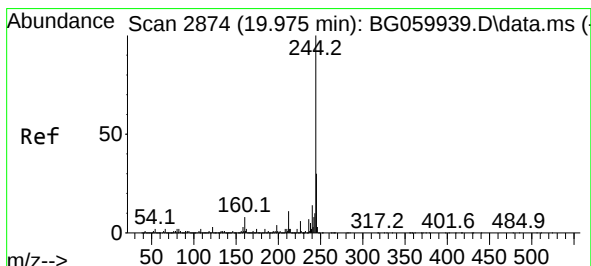
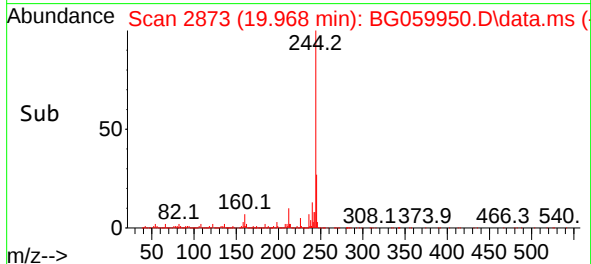
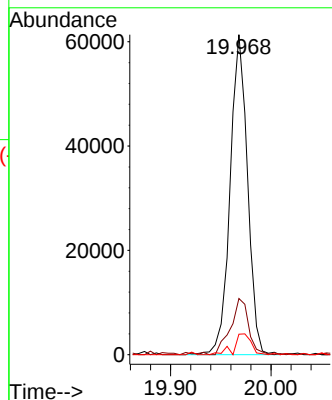
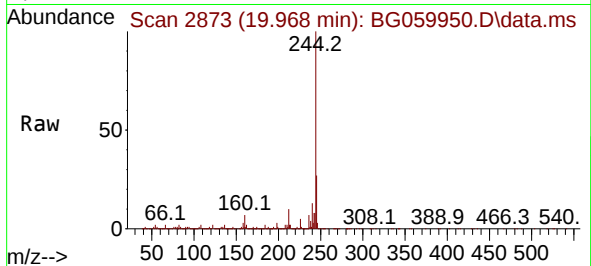




#77  
Benzidine  
Concen: 6.369 ng  
RT: 19.968 min Scan# 2873  
Delta R.T. 0.387 min  
Lab File: BG059950.D  
Acq: 5 Dec 2023 15:25

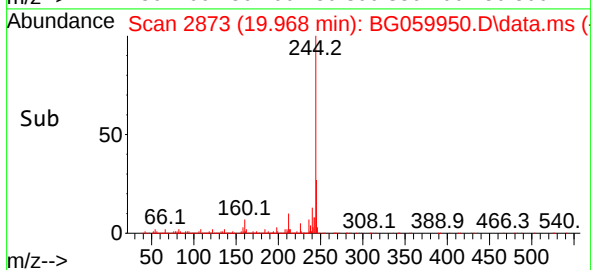
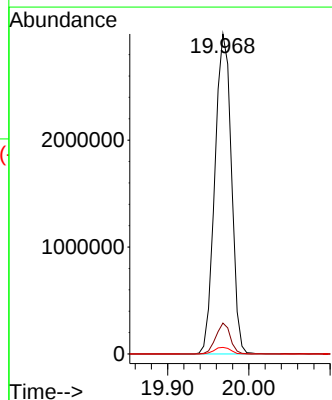
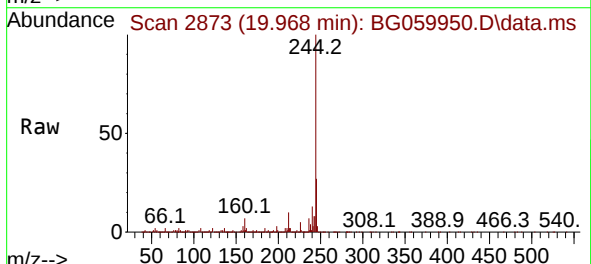
Instrument :  
BNA\_G  
ClientSampleId :  
RT4746

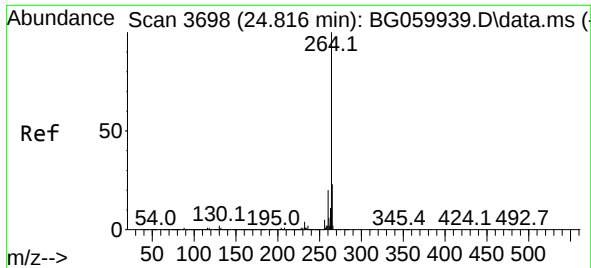
Tgt Ion:184 Resp: 74002  
Ion Ratio Lower Upper  
184 100  
185 17.5 12.0 18.0  
183 6.4 9.7 14.5#



#79  
Terphenyl-d14  
Concen: 52.956 ng  
RT: 19.968 min Scan# 2873  
Delta R.T. -0.007 min  
Lab File: BG059950.D  
Acq: 5 Dec 2023 15:25

Tgt Ion:244 Resp: 4234761  
Ion Ratio Lower Upper  
244 100  
212 9.7 8.6 13.0  
122 2.1 2.1 3.1#





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.809 min Scan# 30  
 Delta R.T. -0.007 min  
 Lab File: BG059950.D  
 Acq: 5 Dec 2023 15:25

Instrument :  
 BNA\_G  
 ClientSampleId :  
 RT4746

Tgt Ion:264 Resp: 1662425  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 22.5  | 15.8  | 23.6  |
| 265 | 22.5  | 18.1  | 27.1  |

