

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG041024\  
 Data File : BG060852.D  
 Acq On : 10 Apr 2024 16:31  
 Operator : MA/JU  
 Sample : P2022-01 10X  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SU-03-04082024

Quant Time: Apr 10 17:08:08 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG032924.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Mar 30 03:12:26 2024  
 Response via : Initial Calibration

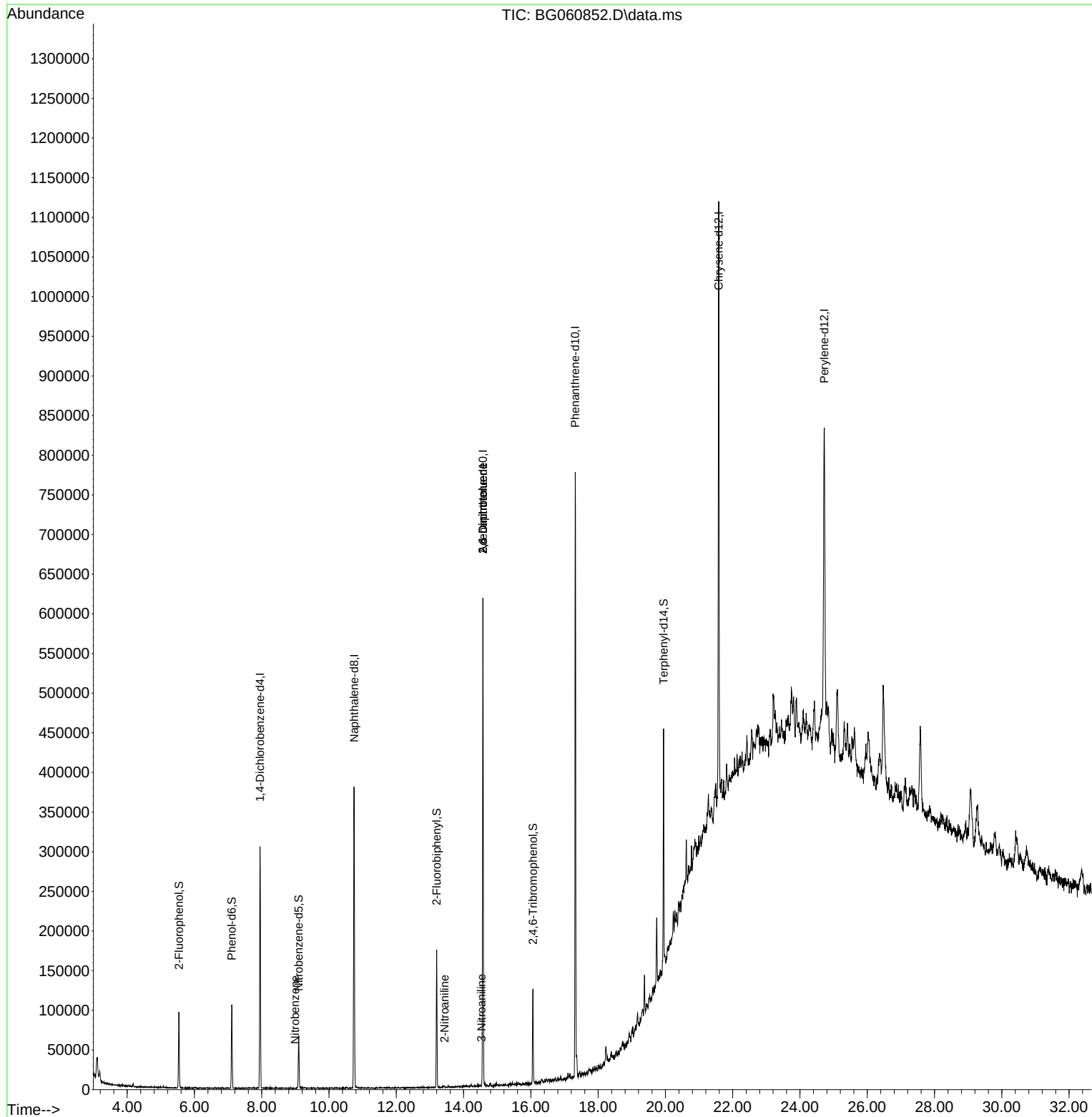
| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.947  | 152  | 78752    | 20.000 | ng    | -0.01    |
| 21) Naphthalene-d8          | 10.744 | 136  | 302727   | 20.000 | ng    | -0.01    |
| 39) Acenaphthene-d10        | 14.575 | 164  | 213923   | 20.000 | ng    | -0.01    |
| 64) Phenanthrene-d10        | 17.319 | 188  | 481281   | 20.000 | ng    | -0.02    |
| 76) Chrysene-d12            | 21.584 | 240  | 447100   | 20.000 | ng    | -0.02    |
| 86) Perylene-d12            | 24.722 | 264  | 510834   | 20.000 | ng    | -0.03    |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.538  | 112  | 38146    | 8.069  | ng    | 0.00     |
| 7) Phenol-d6                | 7.107  | 99   | 52560    | 7.490  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.099  | 82   | 34707    | 6.542  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 16.061 | 330  | 24556    | 10.112 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 13.200 | 172  | 87762    | 6.021  | ng    | -0.02    |
| 79) Terphenyl-d14           | 19.945 | 244  | 153265   | 6.036  | ng    | -0.02    |
| Target Compounds            |        |      |          |        |       |          |
|                             |        |      |          |        |       | Qvalue   |
| 24) Nitrobenzene            | 8.993  | 77   | 56       | 2.782  | ng    | # 42     |
| 48) 2-Nitroaniline          | 13.435 | 65   | 55       | 2.806  | ng    | # 11     |
| 51) 2,6-Dinitrotoluene      | 14.575 | 165  | 27771    | 11.999 | ng    | # 18     |
| 53) 3-Nitroaniline          | 14.534 | 138  | 57       | 2.867  | ng    | # 1      |
| 57) 2,4-Dinitrotoluene      | 14.575 | 165  | 27771    | 10.098 | ng    | # 19     |
| -----                       |        |      |          |        |       |          |

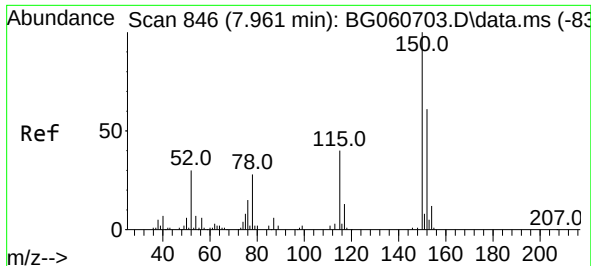
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG041024\  
Data File : BG060852.D  
Acq On : 10 Apr 2024 16:31  
Operator : MA/JU  
Sample : P2022-01 10X  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
SU-03-04082024

Quant Time: Apr 10 17:08:08 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG032924.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Mar 30 03:12:26 2024  
Response via : Initial Calibration

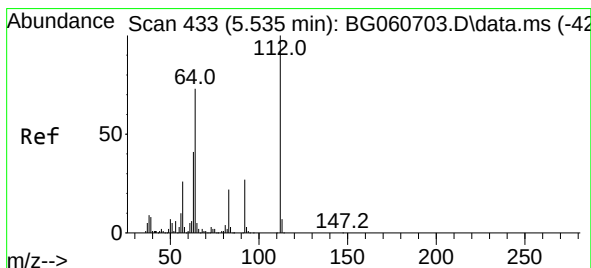
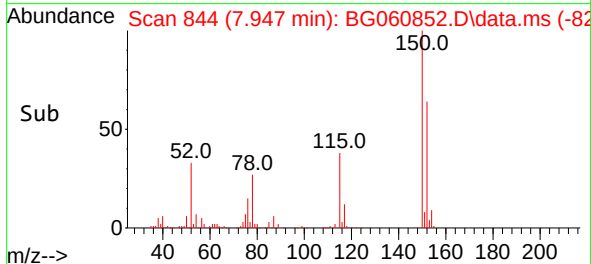
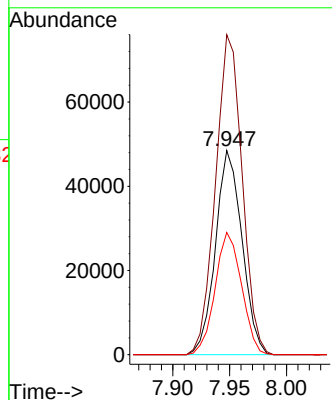
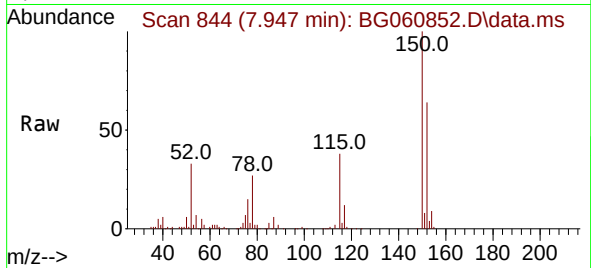




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.947 min Scan# 84  
 Delta R.T. -0.014 min  
 Lab File: BG060852.D  
 Acq: 10 Apr 2024 16:31

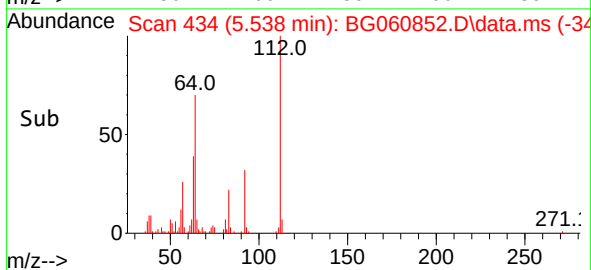
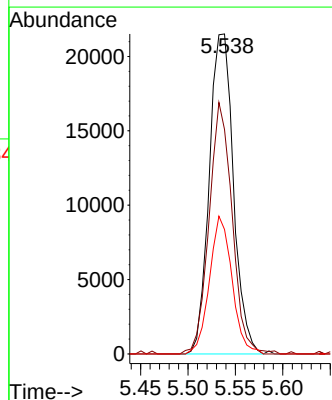
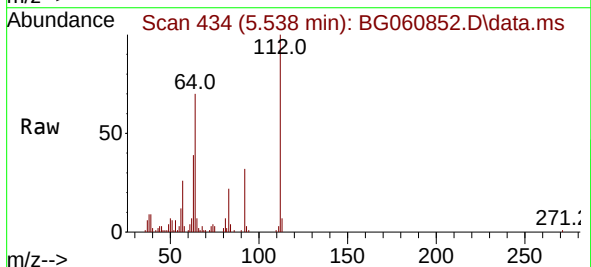
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SU-03-04082024

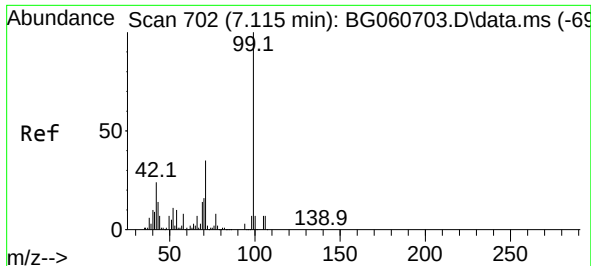
Tgt Ion:152 Resp: 78752  
 Ion Ratio Lower Upper  
 152 100  
 150 156.8 130.2 195.4  
 115 59.9 51.6 77.4



#5  
 2-Fluorophenol  
 Concen: 8.069 ng  
 RT: 5.538 min Scan# 434  
 Delta R.T. 0.004 min  
 Lab File: BG060852.D  
 Acq: 10 Apr 2024 16:31

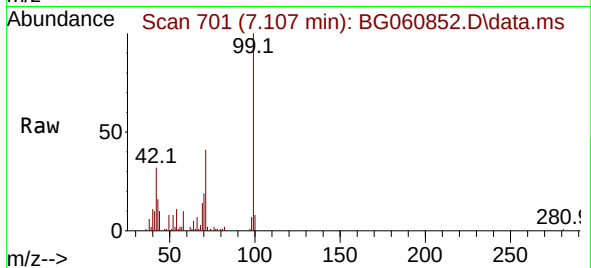
Tgt Ion:112 Resp: 38146  
 Ion Ratio Lower Upper  
 112 100  
 64 70.2 58.4 87.6  
 63 38.9 32.7 49.1



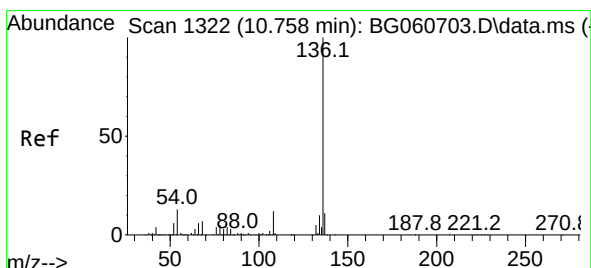
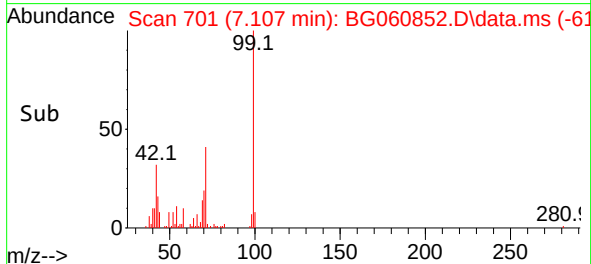
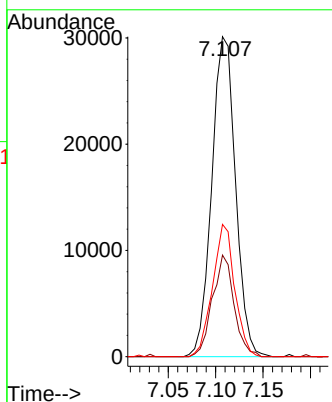


#7  
Phenol-d6  
Concen: 7.490 ng  
RT: 7.107 min Scan# 702  
Delta R.T. -0.008 min  
Lab File: BG060852.D  
Acq: 10 Apr 2024 16:31

Instrument :  
BNA\_G  
ClientSampleId :  
SU-03-04082024

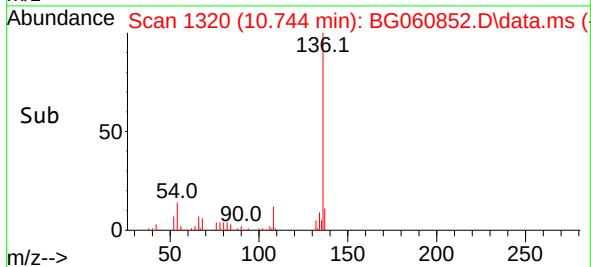
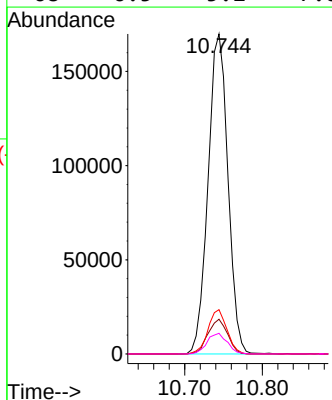
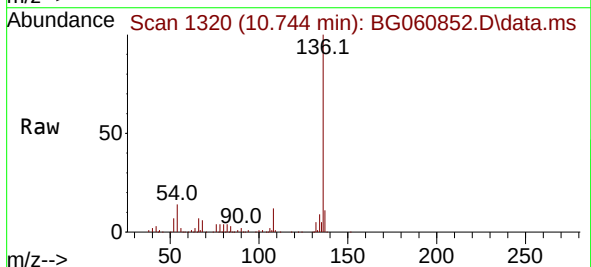


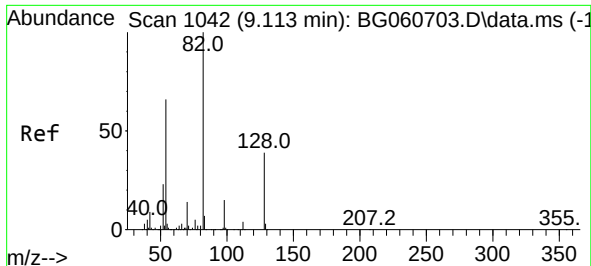
Tgt Ion: 99 Resp: 52560  
Ion Ratio Lower Upper  
99 100  
42 31.7 19.4 29.2#  
71 41.3 28.2 42.2



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.744 min Scan# 1320  
Delta R.T. -0.014 min  
Lab File: BG060852.D  
Acq: 10 Apr 2024 16:31

Tgt Ion: 136 Resp: 302727  
Ion Ratio Lower Upper  
136 100  
137 10.9 8.8 13.2  
54 13.9 10.2 15.2  
68 6.5 5.2 7.8





#23

Nitrobenzene-d5

Concen: 6.542 ng

RT: 9.099 min Scan# 1040

Delta R.T. -0.014 min

Lab File: BG060852.D

Acq: 10 Apr 2024 16:31

Instrument :

BNA\_G

ClientSampleId :

SU-03-04082024

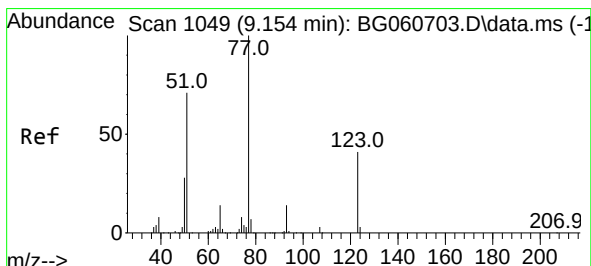
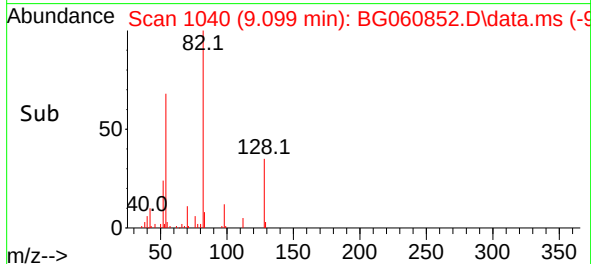
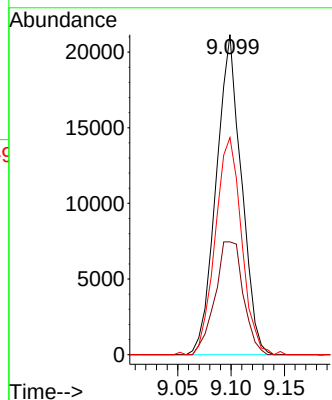
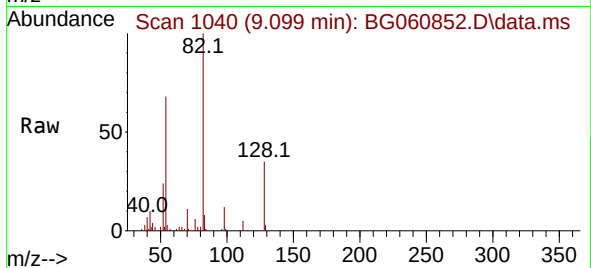
Tgt Ion: 82 Resp: 34707

Ion Ratio Lower Upper

82 100

128 35.2 31.2 46.8

54 67.9 53.2 79.8



#24

Nitrobenzene

Concen: 2.782 ng

RT: 8.993 min Scan# 1022

Delta R.T. -0.161 min

Lab File: BG060852.D

Acq: 10 Apr 2024 16:31

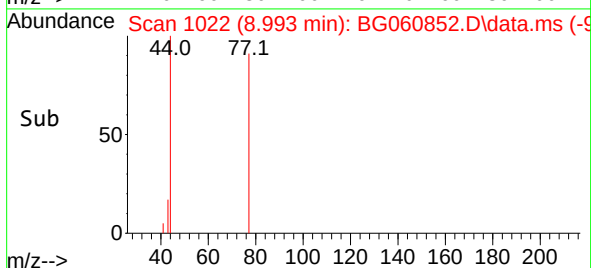
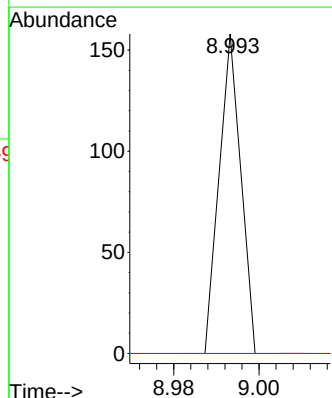
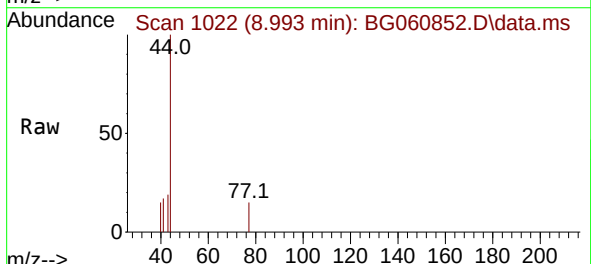
Tgt Ion: 77 Resp: 56

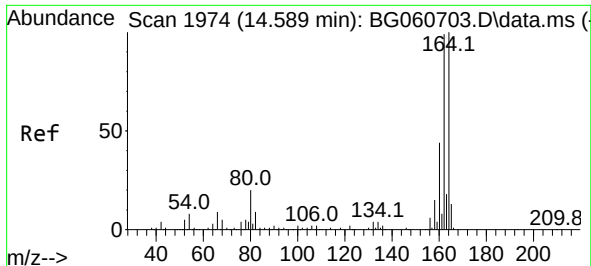
Ion Ratio Lower Upper

77 100

123 0.0 32.7 49.1#

65 0.0 11.3 16.9#

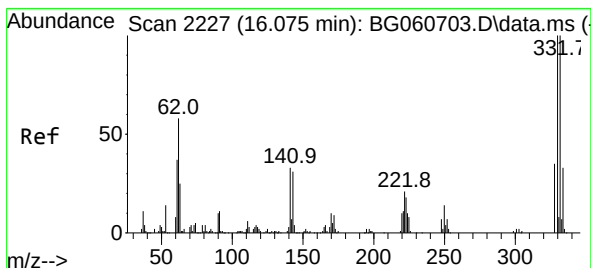
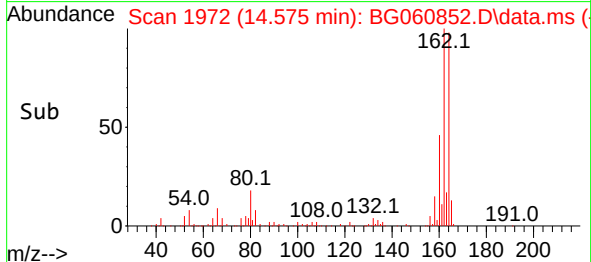
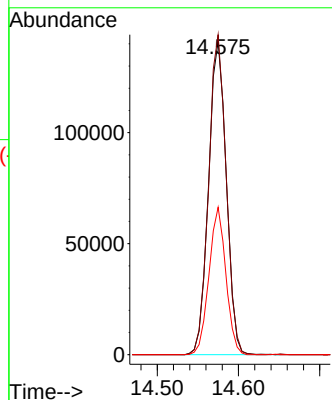
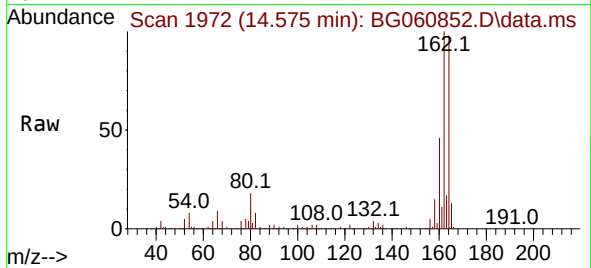




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.575 min Scan# 1974  
Delta R.T. -0.014 min  
Lab File: BG060852.D  
Acq: 10 Apr 2024 16:31

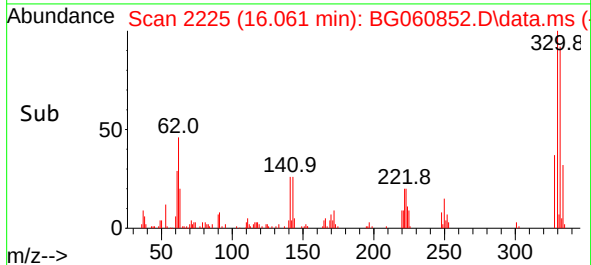
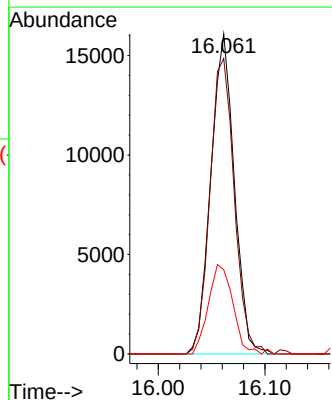
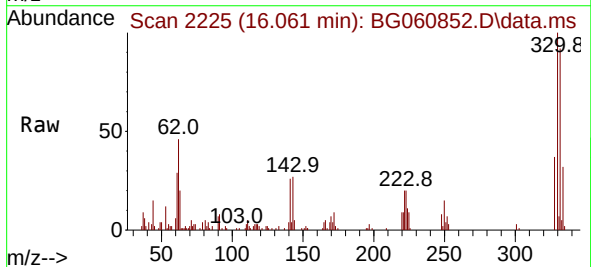
Instrument :  
BNA\_G  
ClientSampleId :  
SU-03-04082024

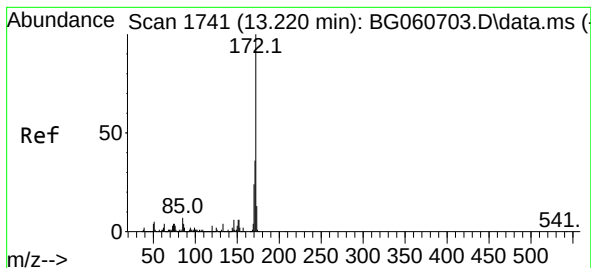
Tgt Ion:164 Resp: 213923  
Ion Ratio Lower Upper  
164 100  
162 102.2 79.5 119.3  
160 47.1 35.4 53.0



#42  
2,4,6-Tribromophenol  
Concen: 10.112 ng  
RT: 16.061 min Scan# 2225  
Delta R.T. -0.014 min  
Lab File: BG060852.D  
Acq: 10 Apr 2024 16:31

Tgt Ion:330 Resp: 24556  
Ion Ratio Lower Upper  
330 100  
332 95.6 78.2 117.4  
141 29.5 27.0 40.6





#45

2-Fluorobiphenyl

Concen: 6.021 ng

RT: 13.200 min Scan# 1

Delta R.T. -0.020 min

Lab File: BG060852.D

Acq: 10 Apr 2024 16:31

Instrument :

BNA\_G

ClientSampleId :

SU-03-04082024

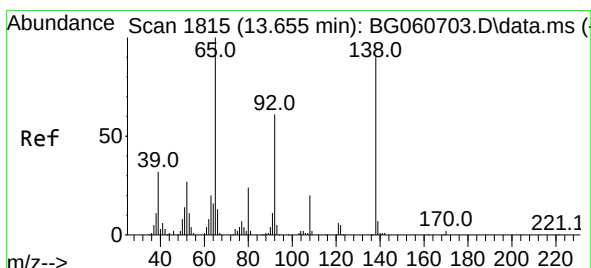
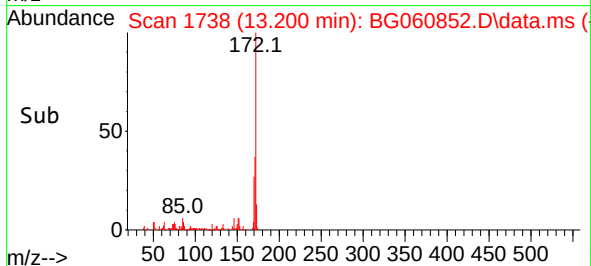
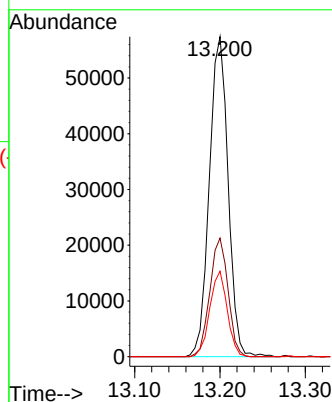
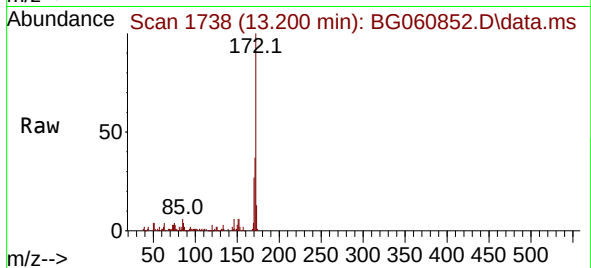
Tgt Ion:172 Resp: 87762

Ion Ratio Lower Upper

172 100

171 37.0 28.7 43.1

170 26.7 19.4 29.0



#48

2-Nitroaniline

Concen: 2.806 ng

RT: 13.435 min Scan# 1778

Delta R.T. -0.220 min

Lab File: BG060852.D

Acq: 10 Apr 2024 16:31

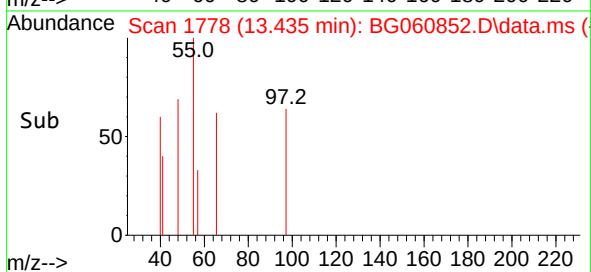
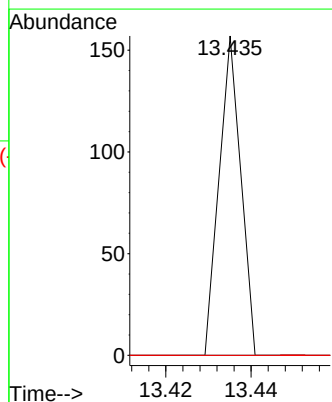
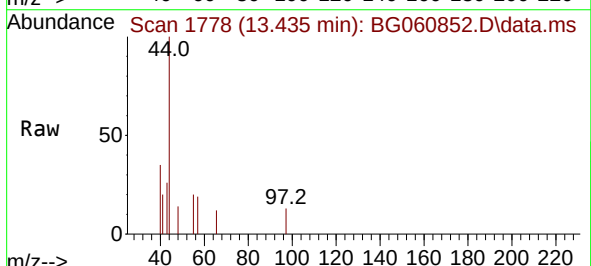
Tgt Ion: 65 Resp: 55

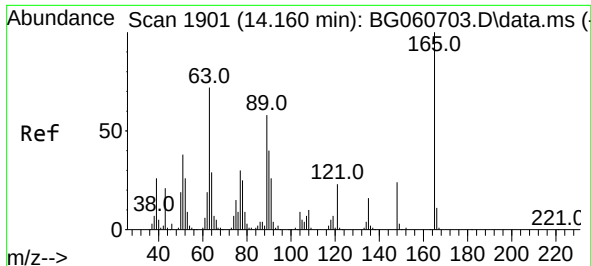
Ion Ratio Lower Upper

65 100

92 0.0 48.6 72.8#

138 0.0 72.2 108.4#

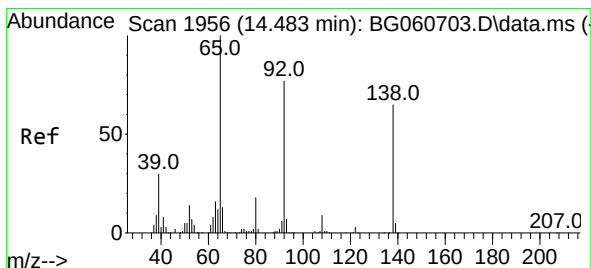
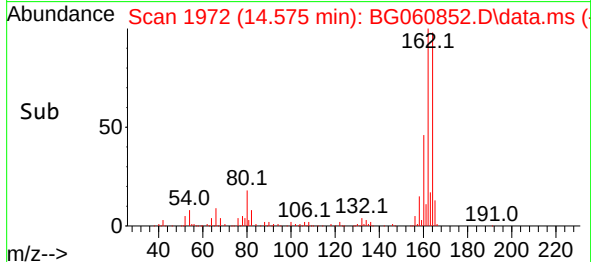
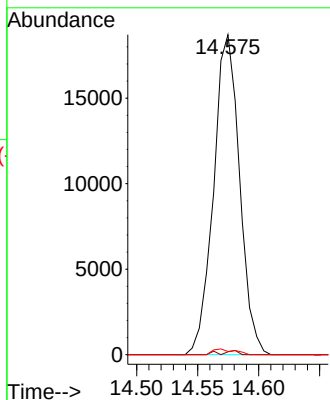
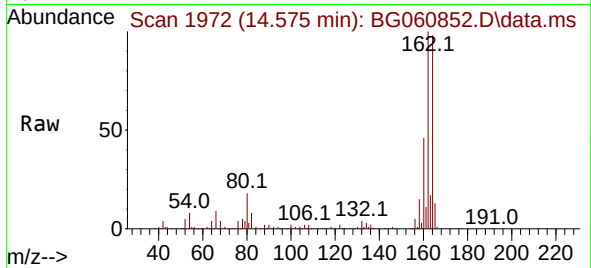




#51  
2,6-Dinitrotoluene  
Concen: 11.999 ng  
RT: 14.575 min Scan# 1901  
Delta R.T. 0.415 min  
Lab File: BG060852.D  
Acq: 10 Apr 2024 16:31

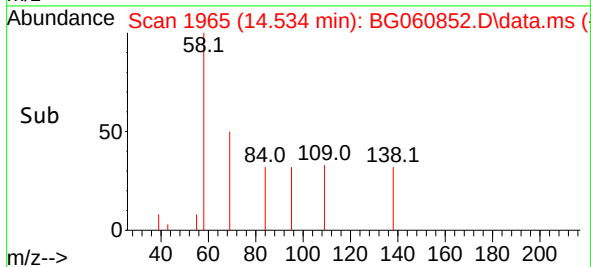
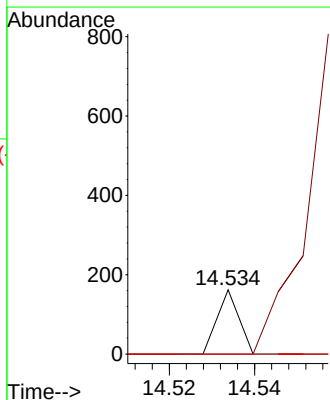
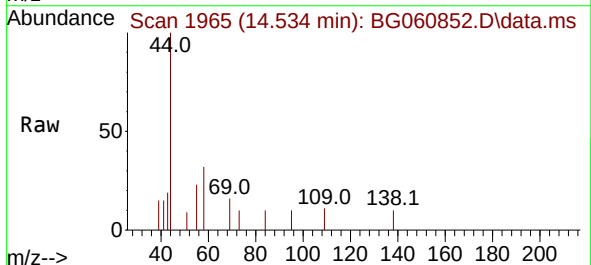
Instrument :  
BNA\_G  
ClientSampleId :  
SU-03-04082024

Tgt Ion:165 Resp: 27771  
Ion Ratio Lower Upper  
165 100  
63 0.9 58.2 87.4#  
89 1.0 46.1 69.1#

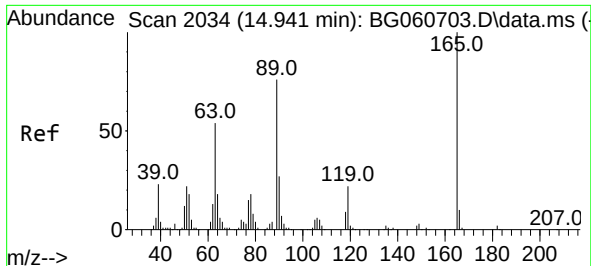


#53  
3-Nitroaniline  
Concen: 2.867 ng  
RT: 14.534 min Scan# 1965  
Delta R.T. 0.051 min  
Lab File: BG060852.D  
Acq: 10 Apr 2024 16:31

Tgt Ion:138 Resp: 57  
Ion Ratio Lower Upper  
138 100  
108 0.0 11.3 16.9#  
92 0.0 94.1 141.1#







#57

2,4-Dinitrotoluene

Concen: 10.098 ng

RT: 14.575 min Scan# 14

Delta R.T. -0.366 min

Lab File: BG060852.D

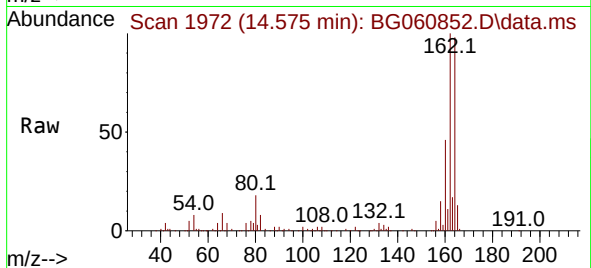
Acq: 10 Apr 2024 16:31

Instrument :

BNA\_G

ClientSampleId :

SU-03-04082024



Tgt Ion:165 Resp: 27771

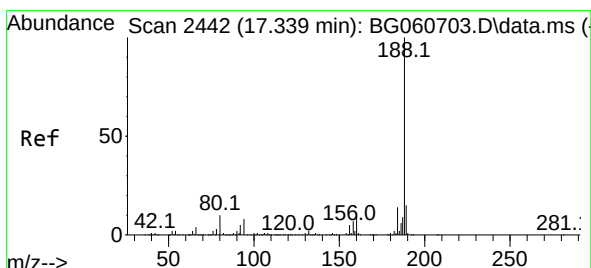
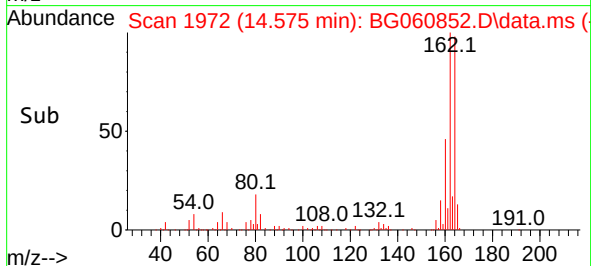
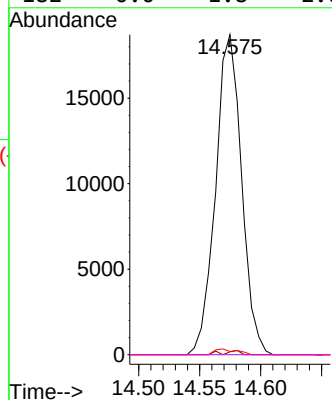
Ion Ratio Lower Upper

165 100

63 0.9 43.4 65.0#

89 1.0 61.0 91.6#

182 0.0 1.8 2.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.319 min Scan# 2439

Delta R.T. -0.020 min

Lab File: BG060852.D

Acq: 10 Apr 2024 16:31

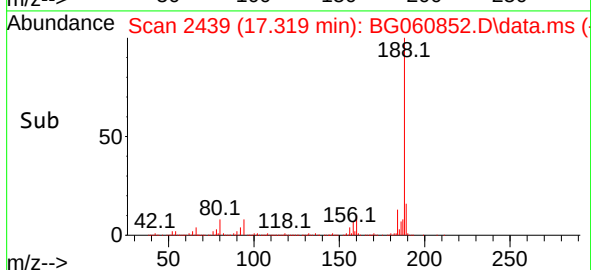
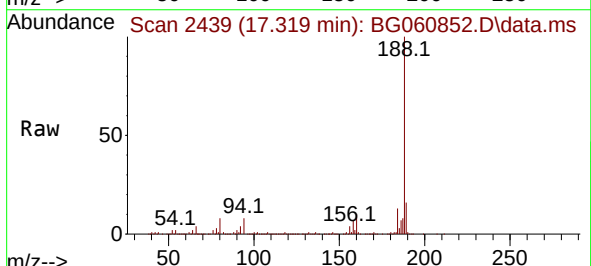
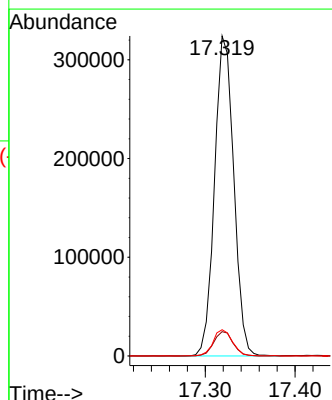
Tgt Ion:188 Resp: 481281

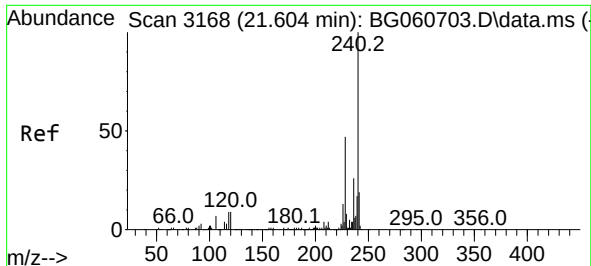
Ion Ratio Lower Upper

188 100

94 7.6 6.6 9.8

80 8.2 7.6 11.4

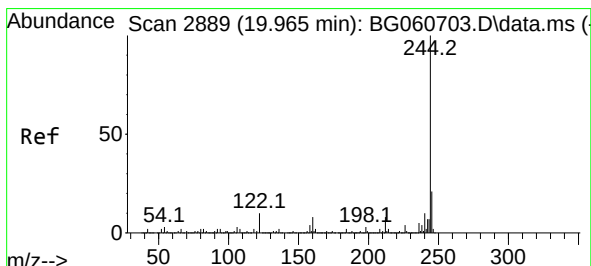
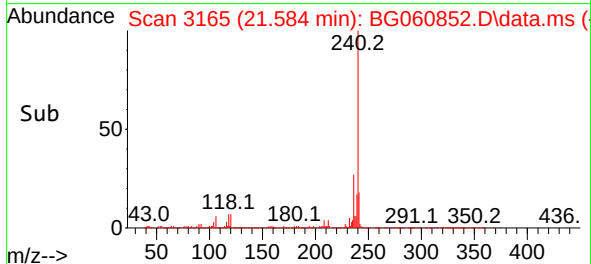
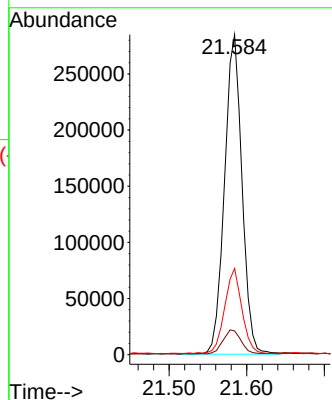
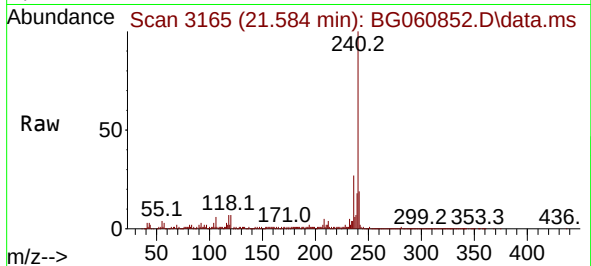




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.584 min Scan# 3165  
Delta R.T. -0.020 min  
Lab File: BG060852.D  
Acq: 10 Apr 2024 16:31

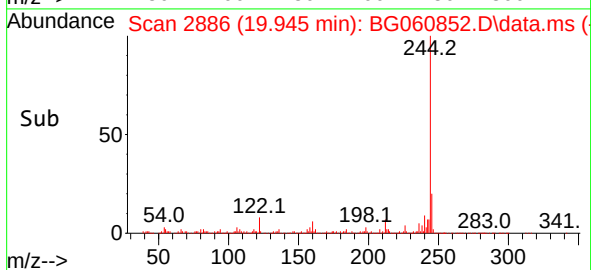
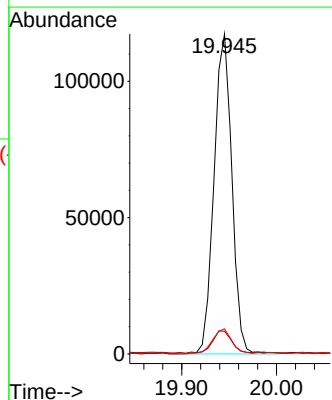
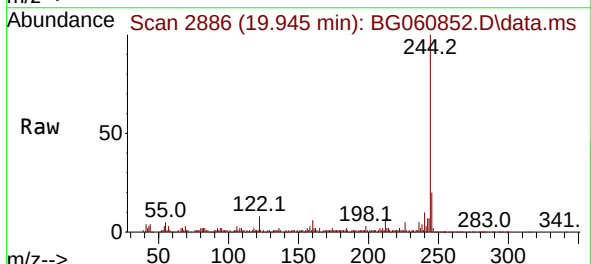
Instrument :  
BNA\_G  
ClientSampleId :  
SU-03-04082024

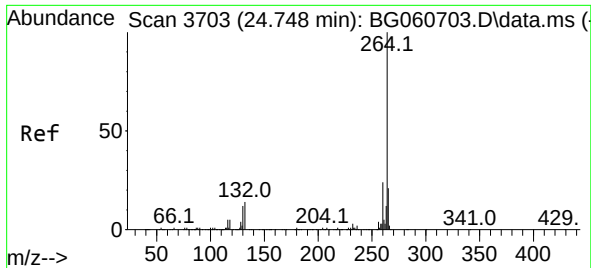
Tgt Ion:240 Resp: 447100  
Ion Ratio Lower Upper  
240 100  
120 7.4 7.1 10.7  
236 27.0 20.7 31.1



#79  
Terphenyl-d14  
Concen: 6.036 ng  
RT: 19.945 min Scan# 2886  
Delta R.T. -0.020 min  
Lab File: BG060852.D  
Acq: 10 Apr 2024 16:31

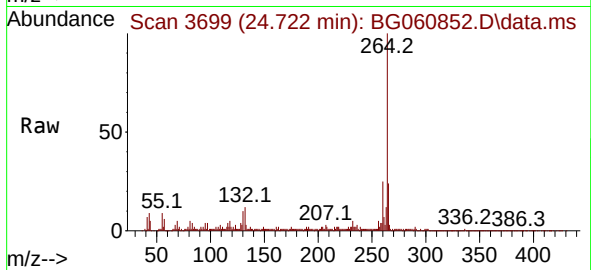
Tgt Ion:244 Resp: 153265  
Ion Ratio Lower Upper  
244 100  
212 7.1 6.2 9.2  
122 7.9 7.8 11.8





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 24.722 min Scan# 30  
Delta R.T. -0.026 min  
Lab File: BG060852.D  
Acq: 10 Apr 2024 16:31

Instrument :  
BNA\_G  
ClientSampleId :  
SU-03-04082024



Tgt Ion:264 Resp: 510834  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.5  | 19.5  | 29.3  |
| 265 | 23.6  | 16.9  | 25.3  |

