

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG050522\  
 Data File : BG053460.D  
 Acq On : 5 May 2022 21:12  
 Operator : CG/JU  
 Sample : N2677-06  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-2,13

Quant Time: May 06 03:48:23 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG050522.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 05 02:13:53 2022  
 Response via : Initial Calibration

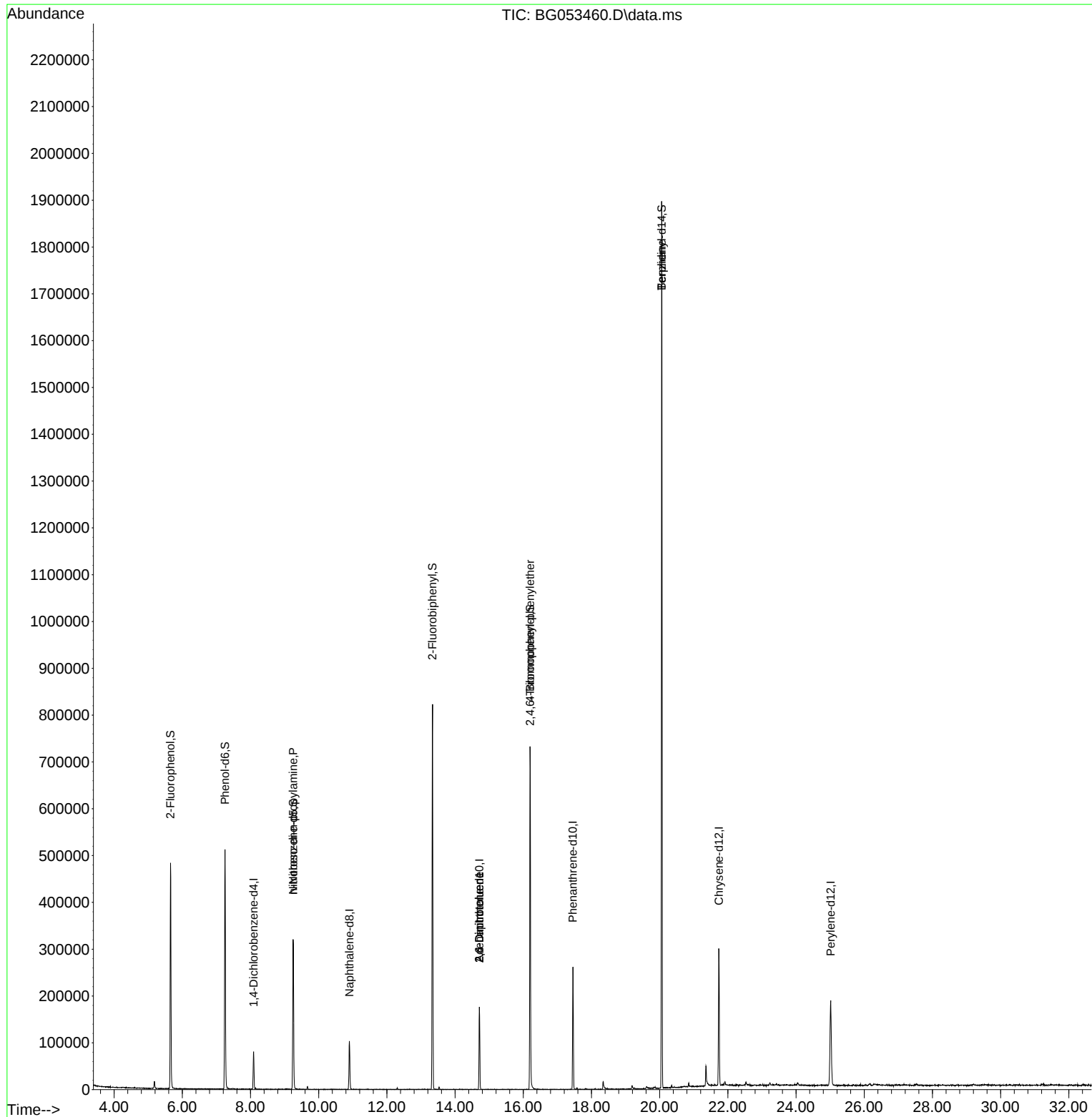
| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| -----                         |        |      |          |         |        |          |
| Internal Standards            |        |      |          |         |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.092  | 152  | 22155    | 20.000  | ng     | 0.00     |
| 21) Naphthalene-d8            | 10.900 | 136  | 86170    | 20.000  | ng     | -0.01    |
| 39) Acenaphthene-d10          | 14.713 | 164  | 65225    | 20.000  | ng     | 0.00     |
| 64) Phenanthrene-d10          | 17.456 | 188  | 168829   | 20.000  | ng     | -0.01    |
| 76) Chrysene-d12              | 21.738 | 240  | 196125   | 20.000  | ng     | 0.00     |
| 86) Perylene-d12              | 25.016 | 264  | 200653   | 20.000  | ng     | -0.02    |
| System Monitoring Compounds   |        |      |          |         |        |          |
| 5) 2-Fluorophenol             | 5.654  | 112  | 196656   | 150.644 | ng     | -0.01    |
| 7) Phenol-d6                  | 7.252  | 99   | 285124   | 143.915 | ng     | 0.00     |
| 23) Nitrobenzene-d5           | 9.249  | 82   | 207764   | 102.636 | ng     | -0.01    |
| 42) 2,4,6-Tribromophenol      | 16.205 | 330  | 144940   | 150.666 | ng     | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.338 | 172  | 440614   | 98.714  | ng     | 0.00     |
| 79) Terphenyl-d14             | 20.064 | 244  | 969690   | 92.085  | ng     | 0.00     |
| Target Compounds              |        |      |          |         |        |          |
|                               |        |      |          |         | Qvalue |          |
| 19) n-Nitroso-di-n-propyla... | 9.249  | 70   | 27729    | 19.507  | ng     | # 82     |
| 51) 2,6-Dinitrotoluene        | 14.713 | 165  | 8709     | 8.625   | ng     | # 16     |
| 57) 2,4-Dinitrotoluene        | 14.713 | 165  | 8709     | 5.950   | ng     | # 21     |
| 67) 4-Bromophenyl-phenylether | 16.199 | 248  | 9375     | 4.755   | ng     | # 1      |
| 77) Benzidine                 | 20.058 | 184  | 17091    | 4.043   | ng     | # 89     |
| -----                         |        |      |          |         |        |          |

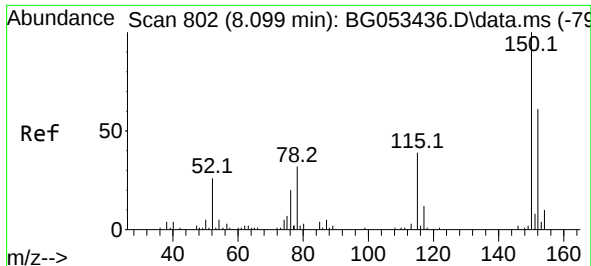
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG050522\  
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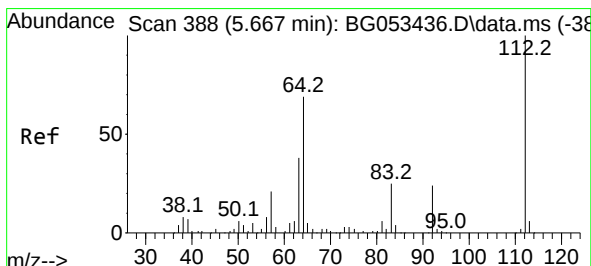
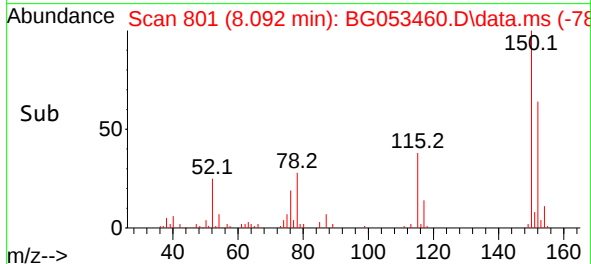
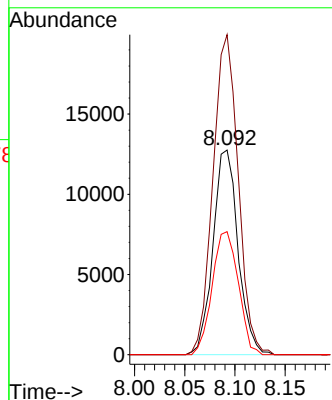
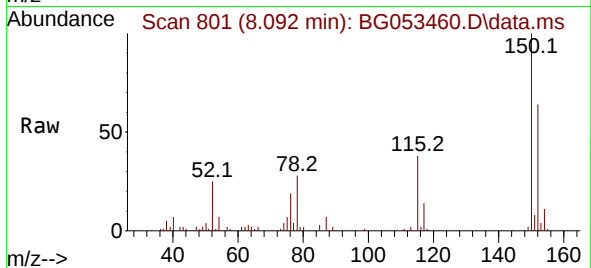




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.092 min Scan# 80  
Delta R.T. -0.007 min  
Lab File: BG053460.D  
Acq: 5 May 2022 21:12

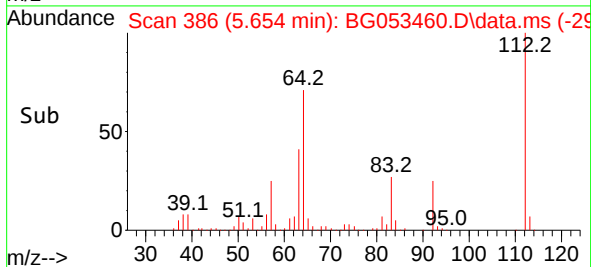
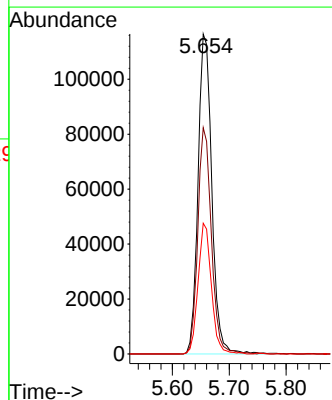
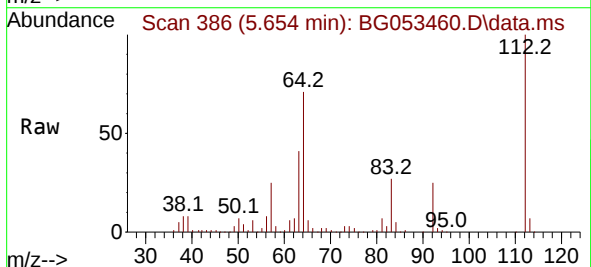
Instrument :  
BNA\_G  
ClientSampleId :  
SB-2,13

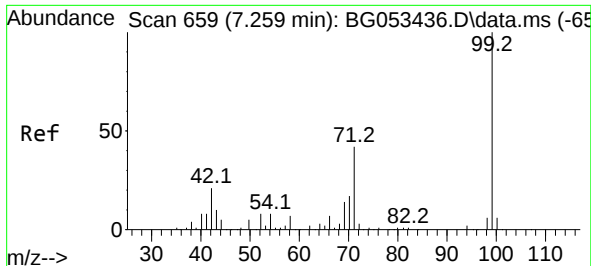
Tgt Ion:152 Resp: 22155  
Ion Ratio Lower Upper  
152 100  
150 156.4 131.6 197.4  
115 60.1 50.9 76.3



#5  
2-Fluorophenol  
Concen: 150.644 ng  
RT: 5.654 min Scan# 386  
Delta R.T. -0.013 min  
Lab File: BG053460.D  
Acq: 5 May 2022 21:12

Tgt Ion:112 Resp: 196656  
Ion Ratio Lower Upper  
112 100  
64 70.7 55.1 82.7  
63 40.8 30.4 45.6

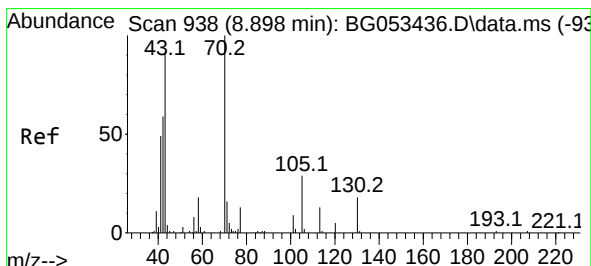
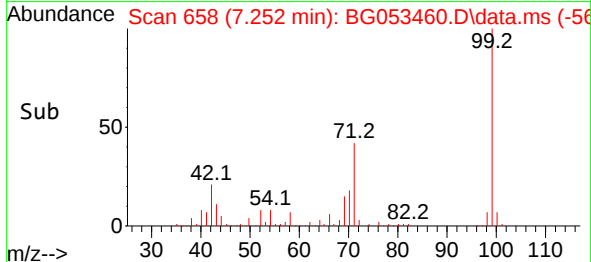
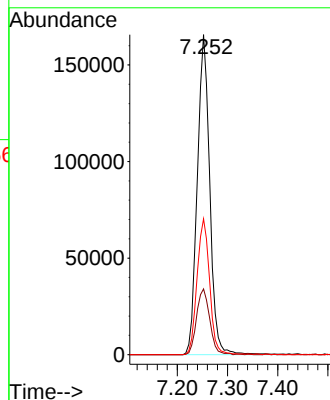
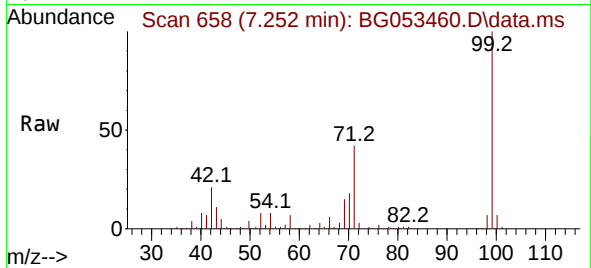




#7  
Phenol-d6  
Concen: 143.915 ng  
RT: 7.252 min Scan# 61  
Delta R.T. -0.007 min  
Lab File: BG053460.D  
Acq: 5 May 2022 21:12

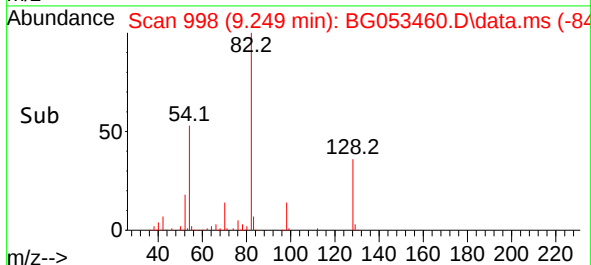
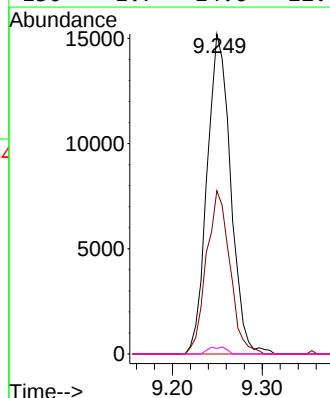
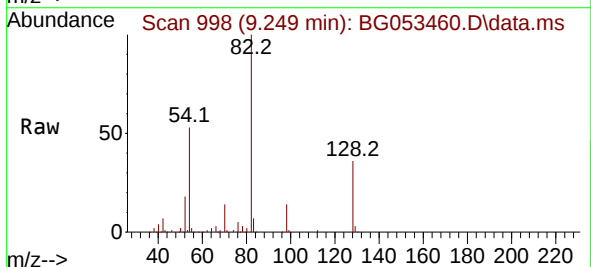
Instrument :  
BNA\_G  
ClientSampleId :  
SB-2,13

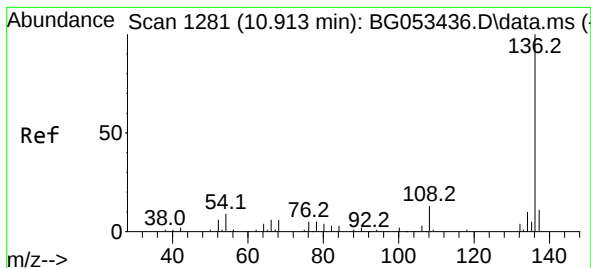
Tgt Ion: 99 Resp: 285124  
Ion Ratio Lower Upper  
99 100  
42 20.6 17.0 25.6  
71 42.4 33.8 50.8



#19  
n-Nitroso-di-n-propylamine  
Concen: 19.507 ng  
RT: 9.249 min Scan# 998  
Delta R.T. 0.352 min  
Lab File: BG053460.D  
Acq: 5 May 2022 21:12

Tgt Ion: 70 Resp: 27729  
Ion Ratio Lower Upper  
70 100  
42 51.0 47.3 70.9  
101 0.0 7.0 10.4#  
130 1.7 14.6 22.0#

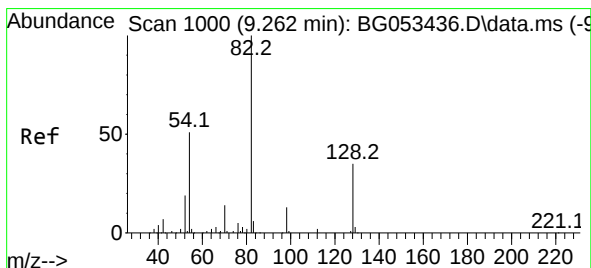
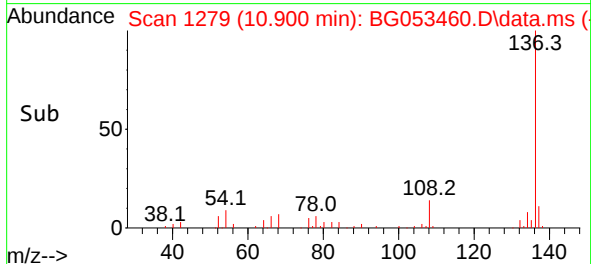
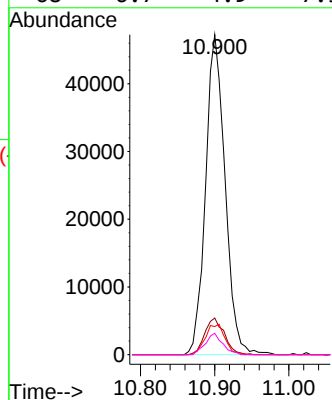
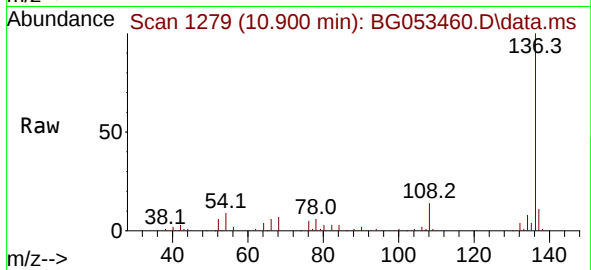




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.900 min Scan# 11  
Delta R.T. -0.013 min  
Lab File: BG053460.D  
Acq: 5 May 2022 21:12

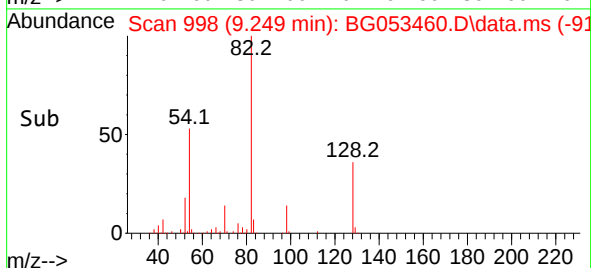
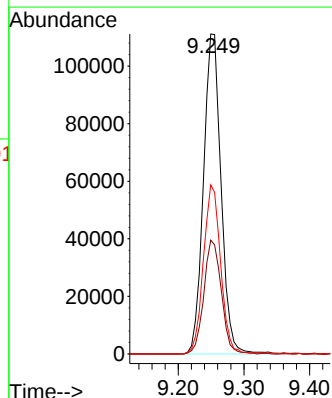
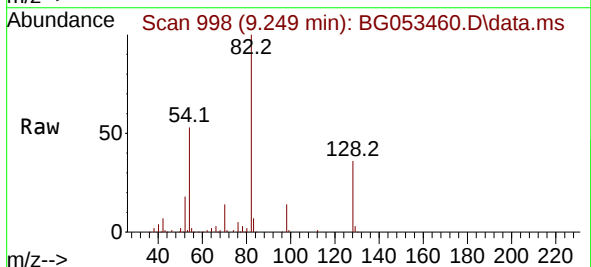
Instrument :  
BNA\_G  
ClientSampleId :  
SB-2,13

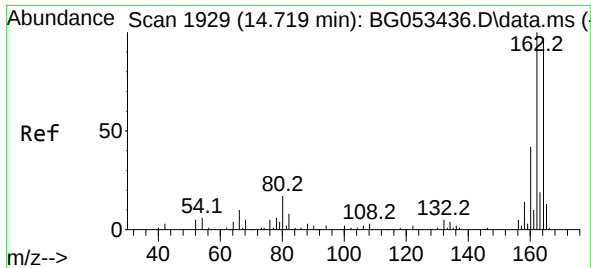
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 136   | Resp: | 86170 |
| Ion Ratio | Lower | Upper |       |
| 136       | 100   |       |       |
| 137       | 11.5  | 8.5   | 12.7  |
| 54        | 8.8   | 7.4   | 11.2  |
| 68        | 6.7   | 4.9   | 7.3   |



#23  
Nitrobenzene-d5  
Concen: 102.636 ng  
RT: 9.249 min Scan# 998  
Delta R.T. -0.013 min  
Lab File: BG053460.D  
Acq: 5 May 2022 21:12

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 82    | Resp: | 207764 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 35.6  | 27.9  | 41.9   |
| 54        | 52.8  | 41.2  | 61.8   |

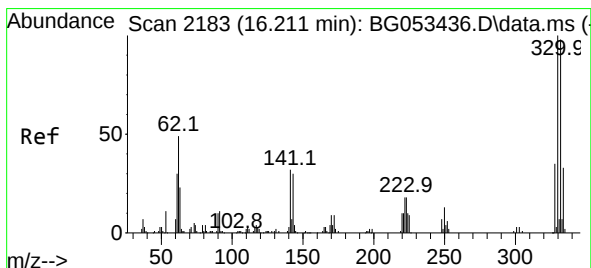
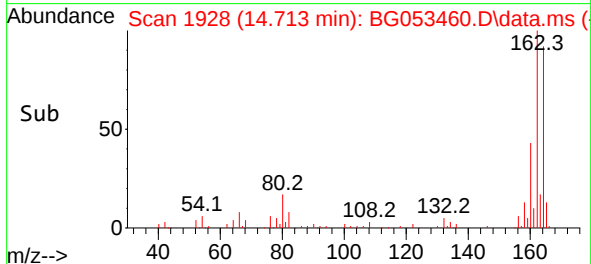
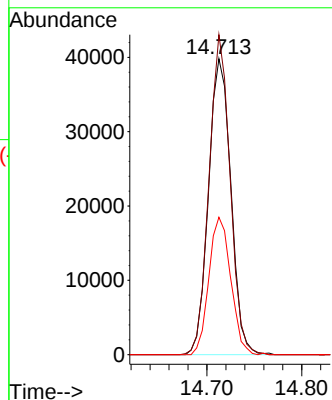
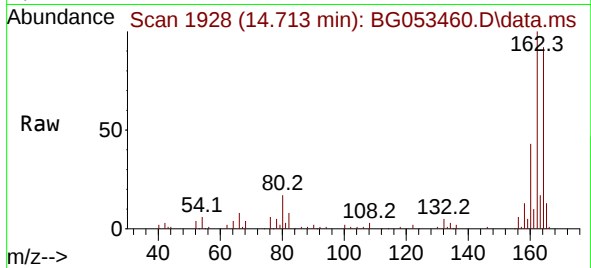




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.713 min Scan# 1928  
Delta R.T. -0.006 min  
Lab File: BG053460.D  
Acq: 5 May 2022 21:12

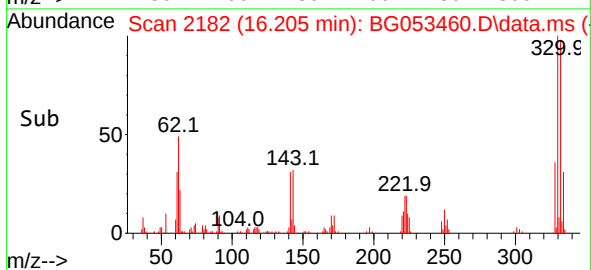
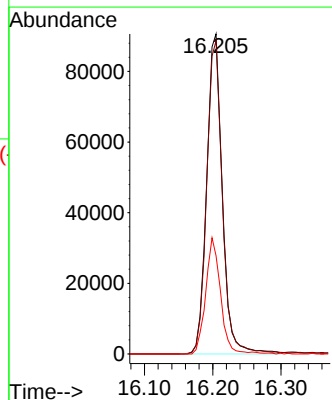
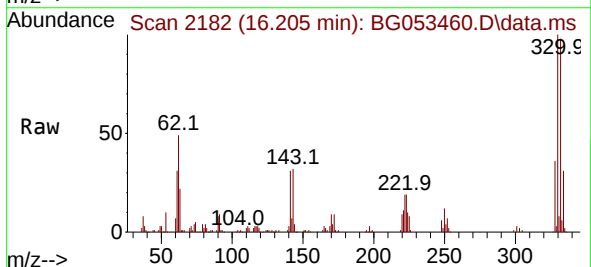
Instrument :  
BNA\_G  
ClientSampleId :  
SB-2,13

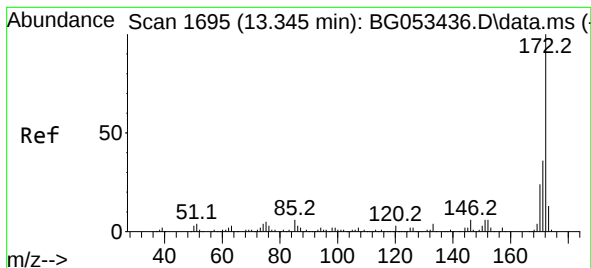
Tgt Ion:164 Resp: 65225  
Ion Ratio Lower Upper  
164 100  
162 108.1 82.3 123.5  
160 46.4 34.2 51.2



#42  
2,4,6-Tribromophenol  
Concen: 150.666 ng  
RT: 16.205 min Scan# 2182  
Delta R.T. -0.006 min  
Lab File: BG053460.D  
Acq: 5 May 2022 21:12

Tgt Ion:330 Resp: 144940  
Ion Ratio Lower Upper  
330 100  
332 97.7 76.0 114.0  
141 34.5 27.1 40.7





#45

2-Fluorobiphenyl

Concen: 98.714 ng

RT: 13.338 min Scan# 1

Delta R.T. -0.007 min

Lab File: BG053460.D

Acq: 5 May 2022 21:12

Instrument :

BNA\_G

ClientSampleId :

SB-2,13

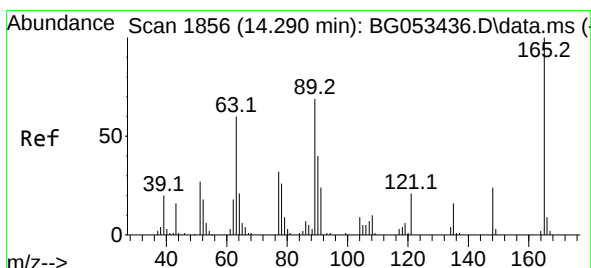
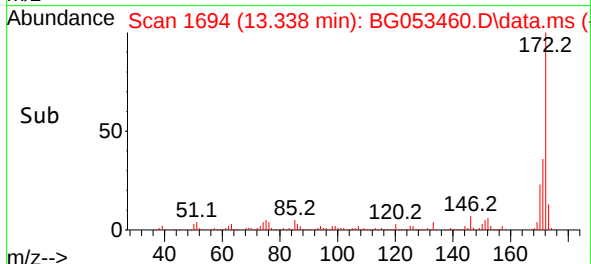
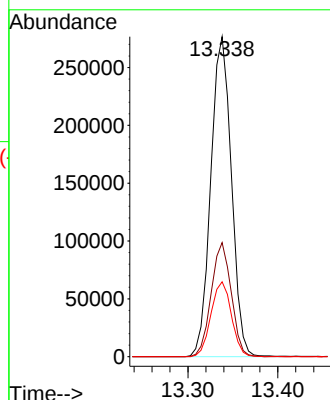
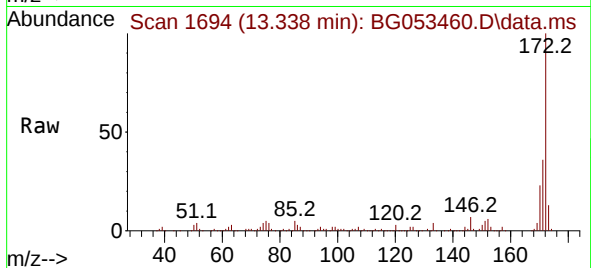
Tgt Ion:172 Resp: 440614

Ion Ratio Lower Upper

172 100

171 35.6 28.5 42.7

170 23.4 18.9 28.3



#51

2,6-Dinitrotoluene

Concen: 8.625 ng

RT: 14.713 min Scan# 1928

Delta R.T. 0.422 min

Lab File: BG053460.D

Acq: 5 May 2022 21:12

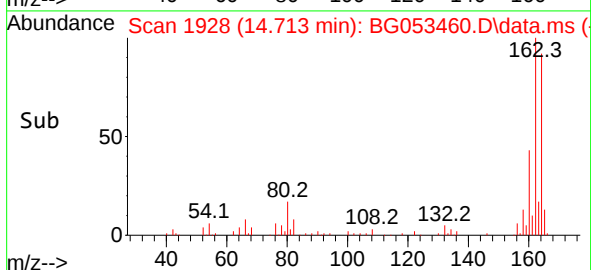
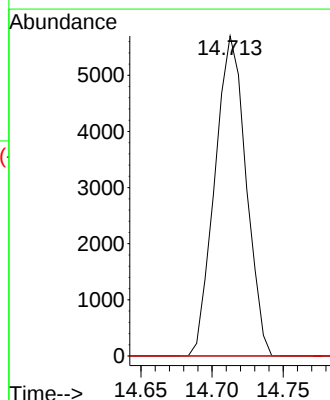
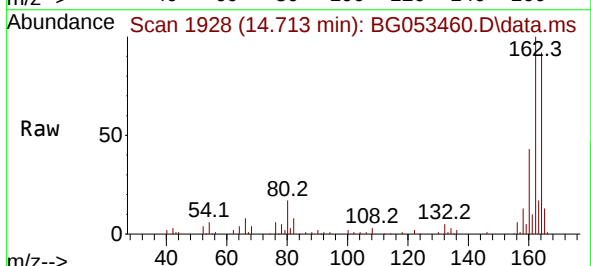
Tgt Ion:165 Resp: 8709

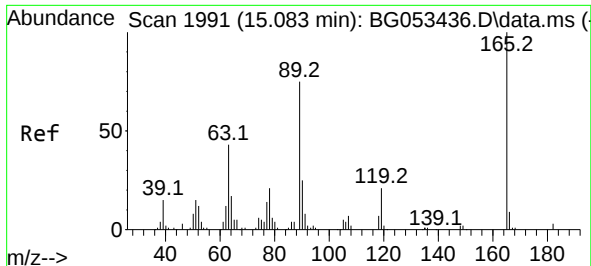
Ion Ratio Lower Upper

165 100

63 0.0 54.1 81.1#

89 0.0 54.8 82.2#

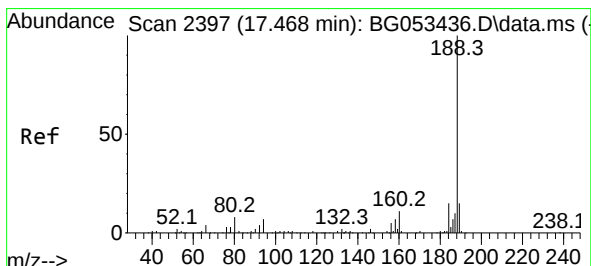
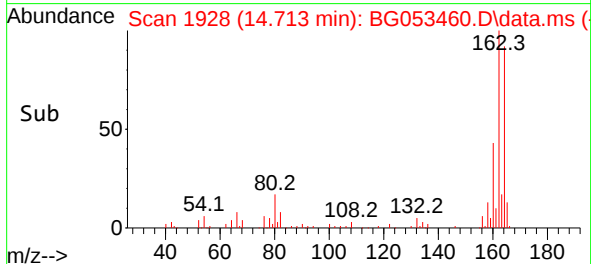
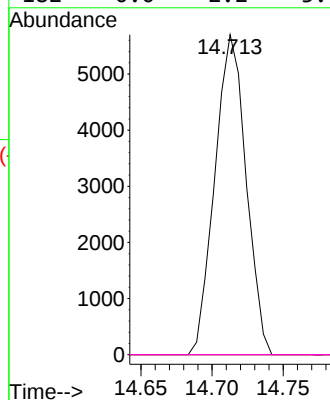
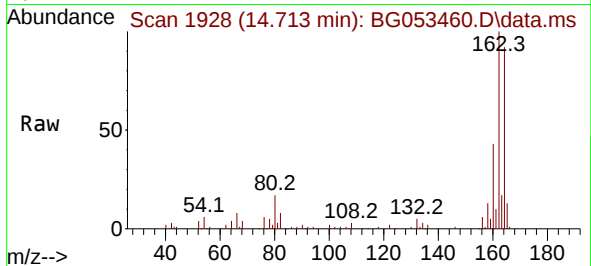




#57  
2,4-Dinitrotoluene  
Concen: 5.950 ng  
RT: 14.713 min Scan# 1928  
Delta R.T. -0.371 min  
Lab File: BG053460.D  
Acq: 5 May 2022 21:12

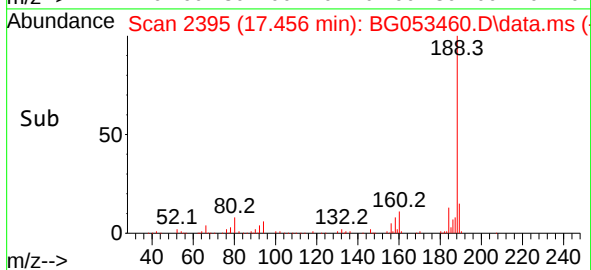
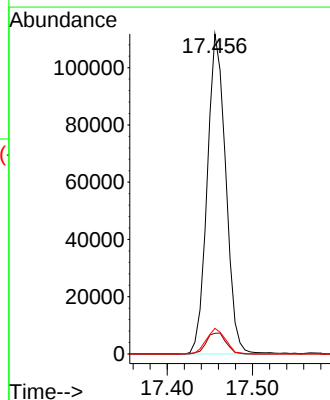
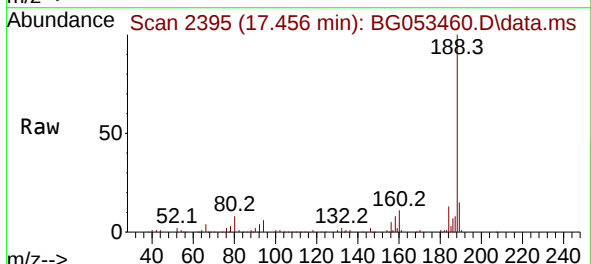
Instrument :  
BNA\_G  
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SB-2,13

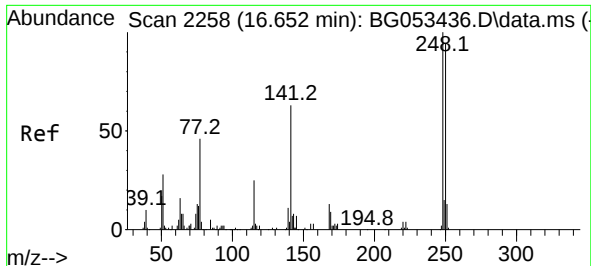
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|-------------|-------|-------|
| Tgt Ion:165 | Resp: | 8709  |
| Ion Ratio   | Lower | Upper |
| 165         | 100   |       |
| 63          | 0.0   | 34.6  |
| 89          | 0.0   | 60.3  |
| 182         | 0.0   | 2.2   |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.456 min Scan# 2395  
Delta R.T. -0.012 min  
Lab File: BG053460.D  
Acq: 5 May 2022 21:12

|             |       |        |
|-------------|-------|--------|
| Tgt Ion:188 | Resp: | 168829 |
| Ion Ratio   | Lower | Upper  |
| 188         | 100   |        |
| 94          | 6.5   | 5.4    |
| 80          | 8.0   | 6.8    |

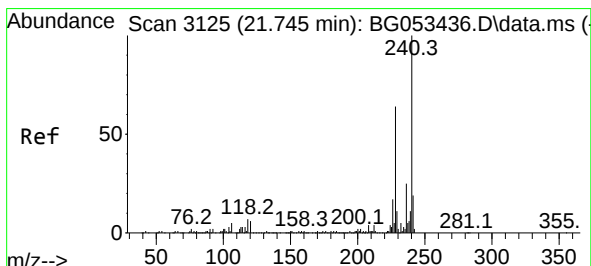
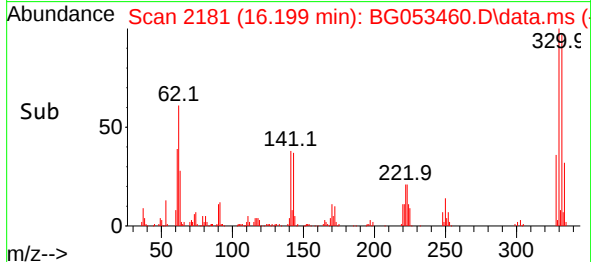
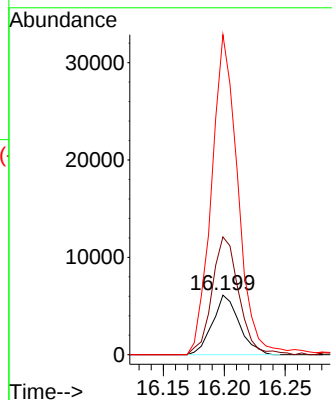
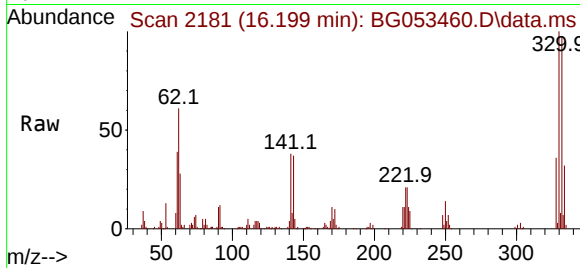




#67  
4-Bromophenyl-phenylether  
Concen: 4.755 ng  
RT: 16.199 min Scan# 211  
Delta R.T. -0.453 min  
Lab File: BG053460.D  
Acq: 5 May 2022 21:12

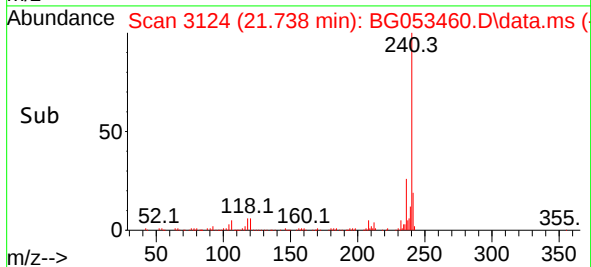
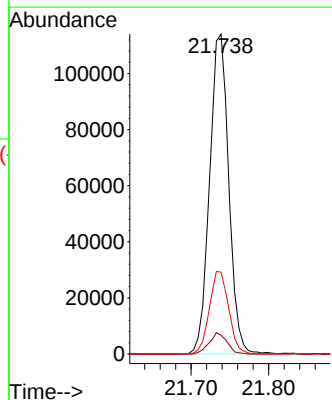
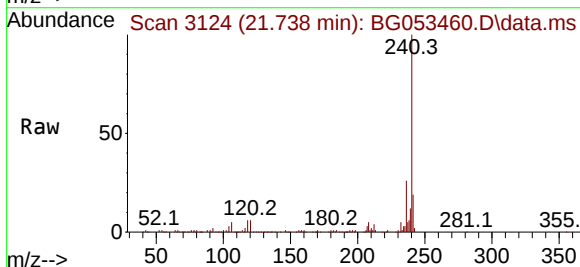
Instrument :  
BNA\_G  
ClientSampleId :  
SB-2,13

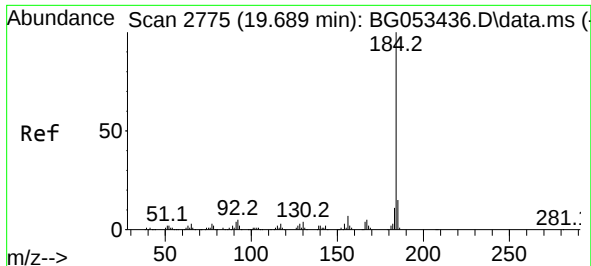
Tgt Ion:248 Resp: 9375  
Ion Ratio Lower Upper  
248 100  
250 197.9 75.2 112.8#  
141 537.8 50.0 75.0#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.738 min Scan# 3124  
Delta R.T. -0.007 min  
Lab File: BG053460.D  
Acq: 5 May 2022 21:12

Tgt Ion:240 Resp: 196125  
Ion Ratio Lower Upper  
240 100  
120 5.9 4.6 7.0  
236 25.6 20.2 30.4

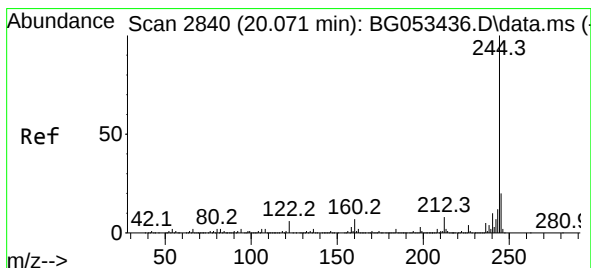
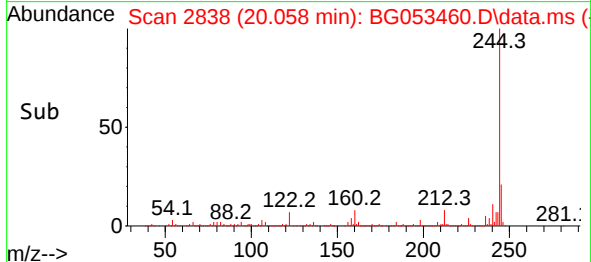
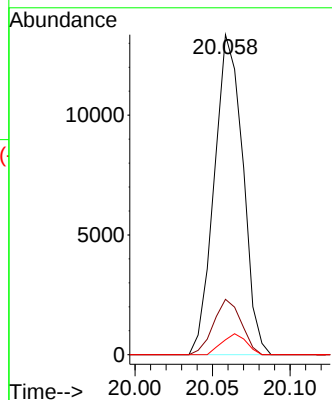
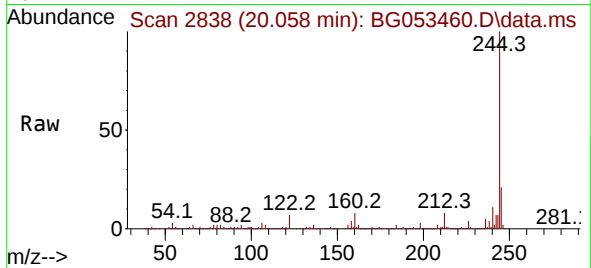




#77  
Benzidine  
Concen: 4.043 ng  
RT: 20.058 min Scan# 21  
Delta R.T. 0.369 min  
Lab File: BG053460.D  
Acq: 5 May 2022 21:12

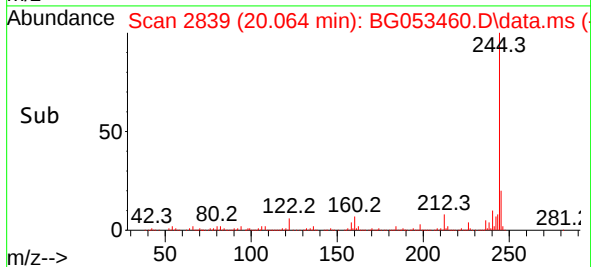
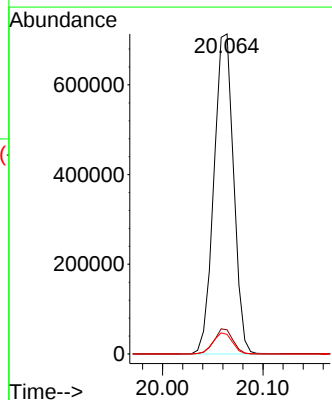
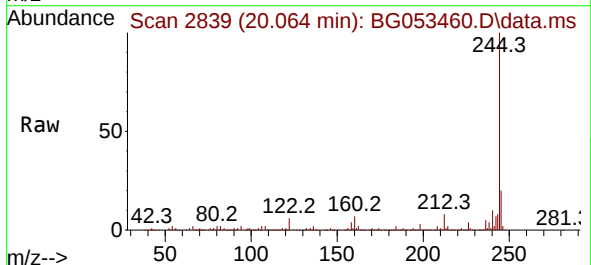
Instrument :  
BNA\_G  
ClientSampleId :  
SB-2,13

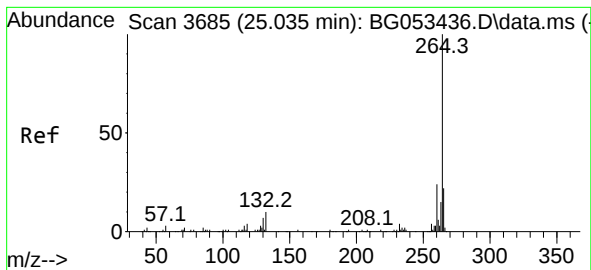
Tgt Ion:184 Resp: 17091  
Ion Ratio Lower Upper  
184 100  
185 17.3 11.8 17.6  
183 4.6 8.9 13.3#



#79  
Terphenyl-d14  
Concen: 92.085 ng  
RT: 20.064 min Scan# 2839  
Delta R.T. -0.007 min  
Lab File: BG053460.D  
Acq: 5 May 2022 21:12

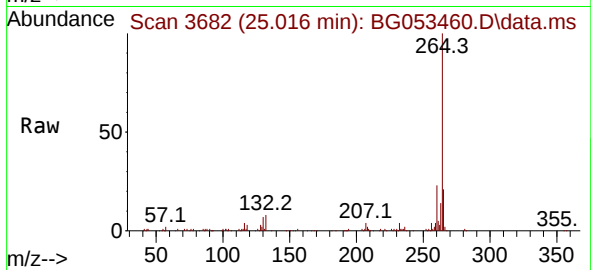
Tgt Ion:244 Resp: 969690  
Ion Ratio Lower Upper  
244 100  
212 7.6 6.5 9.7  
122 6.1 5.0 7.4





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 25.016 min Scan# 30  
Delta R.T. -0.018 min  
Lab File: BG053460.D  
Acq: 5 May 2022 21:12

Instrument :  
BNA\_G  
ClientSampleId :  
SB-2,13



Tgt Ion:264 Resp: 200653  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 22.5  | 19.0  | 28.6  |
| 265 | 21.3  | 17.4  | 26.2  |

