

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG050622\  
 Data File : BG053472.D  
 Acq On : 6 May 2022 12:14  
 Operator : CG/JU  
 Sample : N2672-02  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 02

Quant Time: May 06 22:52:15 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

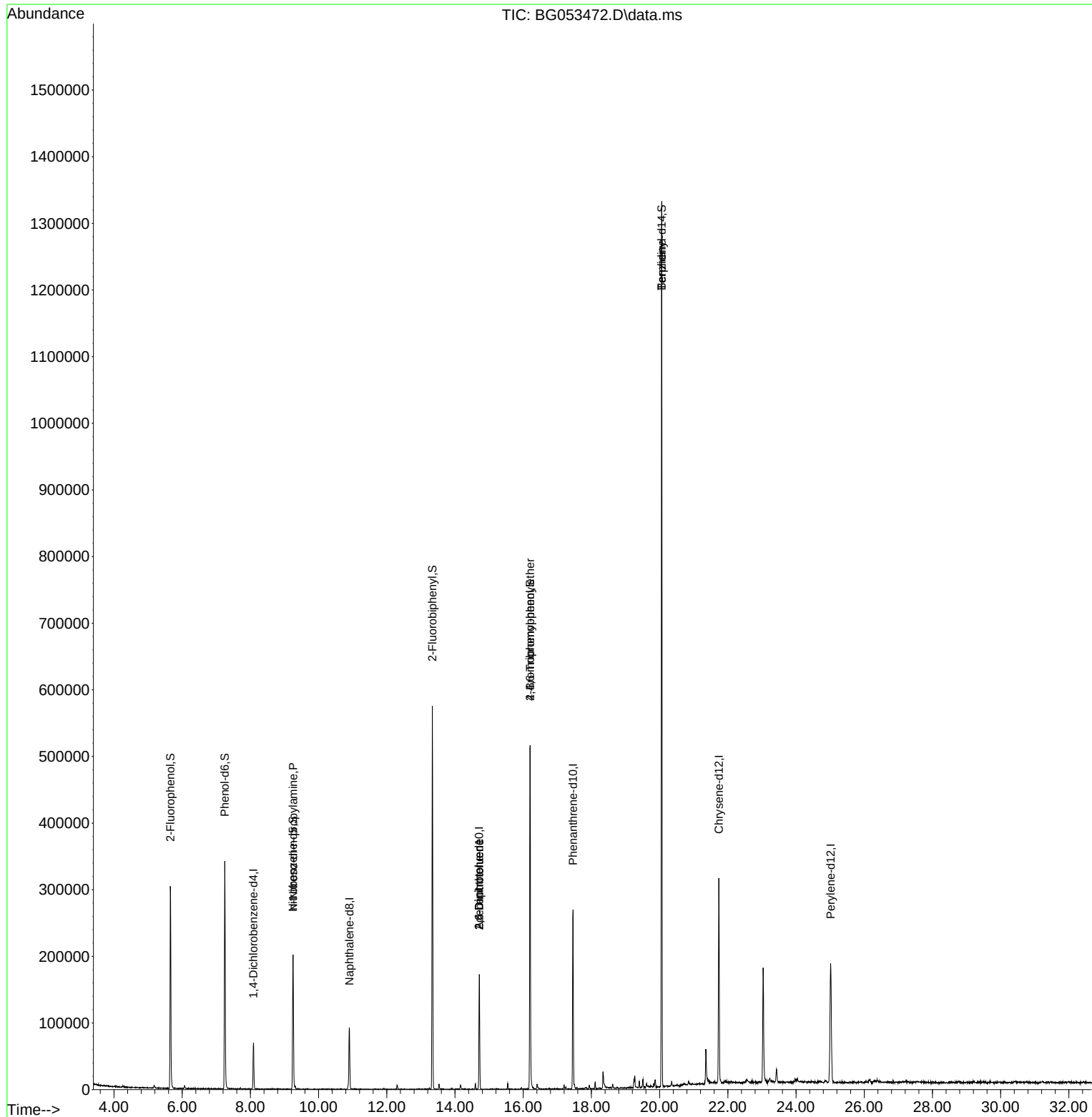
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.090  | 152  | 18811    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.904 | 136  | 79045    | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.711 | 164  | 63461    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.460 | 188  | 175993   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.737 | 240  | 193606   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 25.015 | 264  | 201823   | 20.000  | ng    | -0.02    |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.652  | 112  | 126880   | 114.472 | ng    | -0.01    |
| 7) Phenol-d6                  | 7.250  | 99   | 191790   | 114.014 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.248  | 82   | 132663   | 71.444  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 16.203 | 330  | 107301   | 114.641 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.336 | 172  | 299407   | 68.943  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.062 | 244  | 695169   | 66.875  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 9.253  | 70   | 19698    | 16.321  | ng    | # 79     |
| 51) 2,6-Dinitrotoluene        | 14.711 | 165  | 7661     | 7.798   | ng    | # 16     |
| 57) 2,4-Dinitrotoluene        | 14.711 | 165  | 7661     | 5.379   | ng    | # 21     |
| 67) 4-Bromophenyl-phenylether | 16.203 | 248  | 6720     | 3.269   | ng    | # 1      |
| 77) Benzidine                 | 20.062 | 184  | 11637    | 2.789   | ng    | # 93     |
| -----                         |        |      |          |         |       |          |

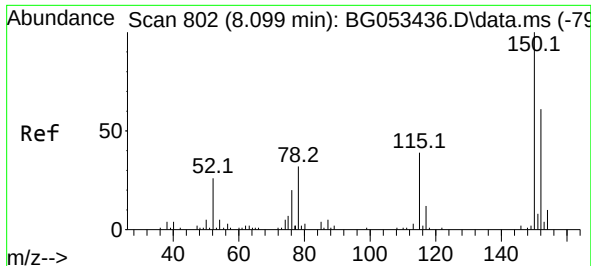
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

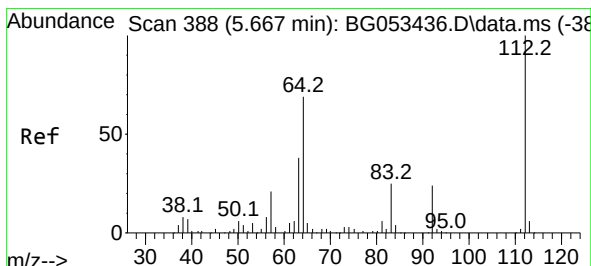
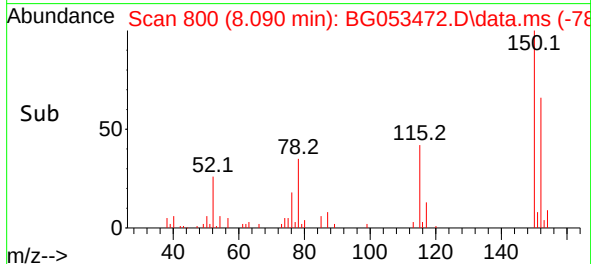
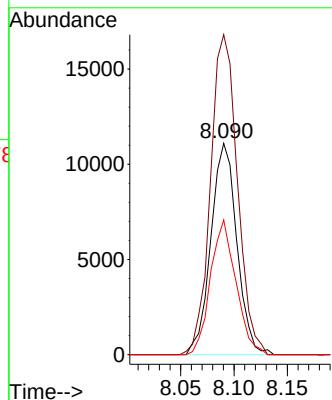
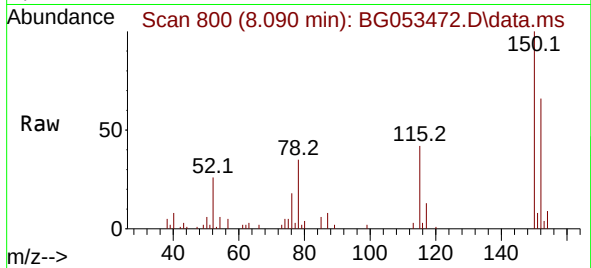




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.090 min Scan# 80  
Delta R.T. -0.009 min  
Lab File: BG053472.D  
Acq: 6 May 2022 12:14

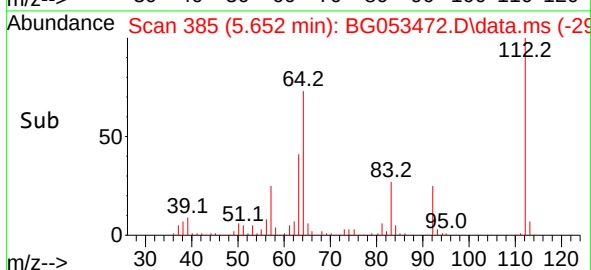
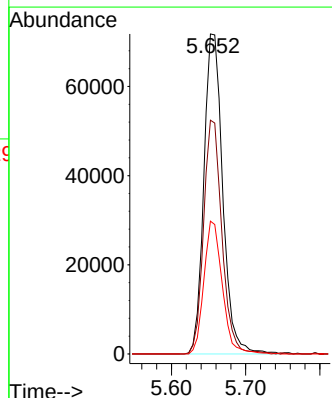
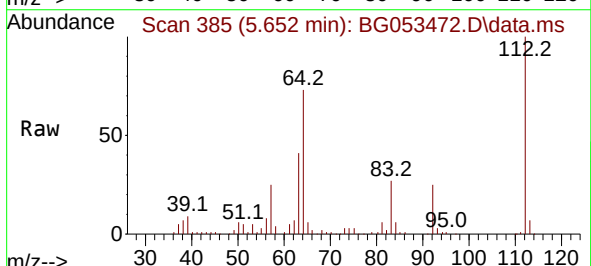
Instrument :  
BNA\_G  
ClientSampleId :  
02

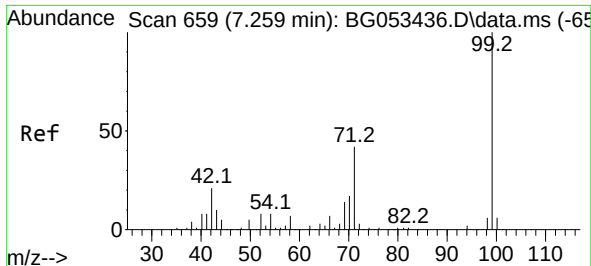
Tgt Ion:152 Resp: 18811  
Ion Ratio Lower Upper  
152 100  
150 151.4 131.6 197.4  
115 63.7 50.9 76.3



#5  
2-Fluorophenol  
Concen: 114.472 ng  
RT: 5.652 min Scan# 385  
Delta R.T. -0.015 min  
Lab File: BG053472.D  
Acq: 6 May 2022 12:14

Tgt Ion:112 Resp: 126880  
Ion Ratio Lower Upper  
112 100  
64 73.0 55.1 82.7  
63 41.5 30.4 45.6

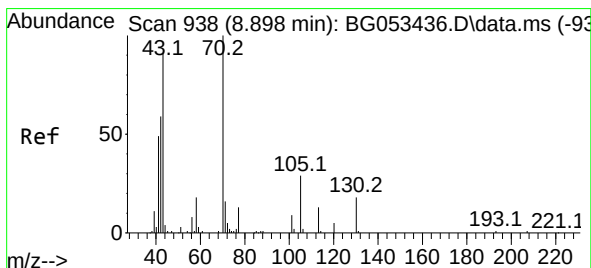
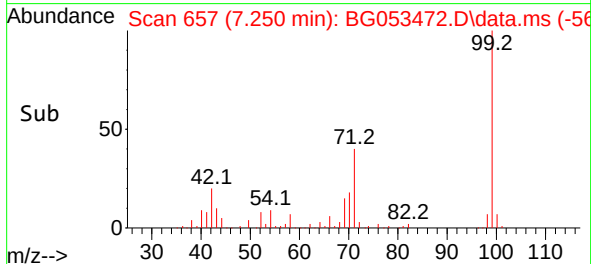
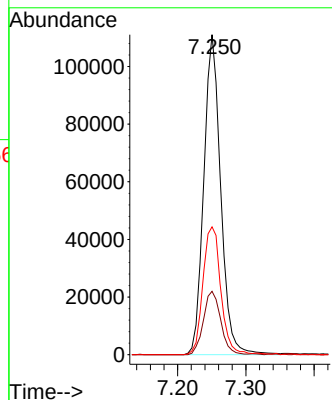
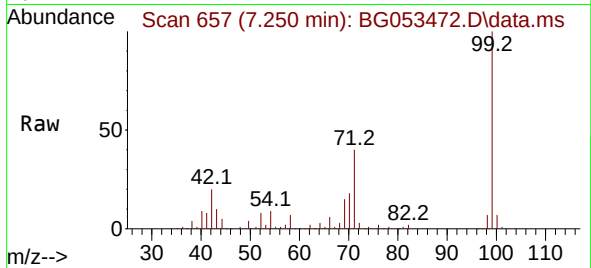




#7  
Phenol-d6  
Concen: 114.014 ng  
RT: 7.250 min Scan# 61  
Delta R.T. -0.009 min  
Lab File: BG053472.D  
Acq: 6 May 2022 12:14

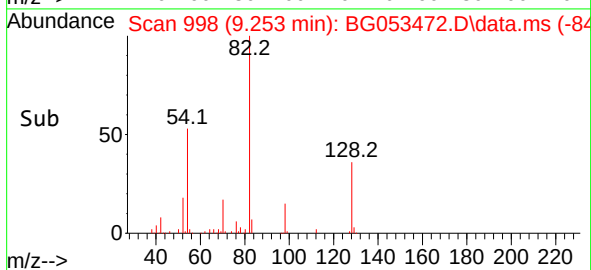
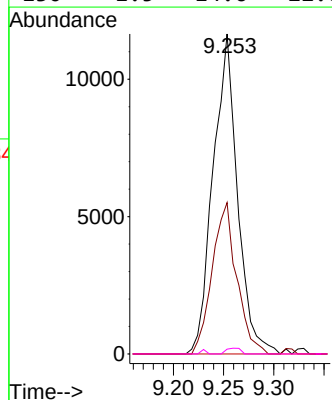
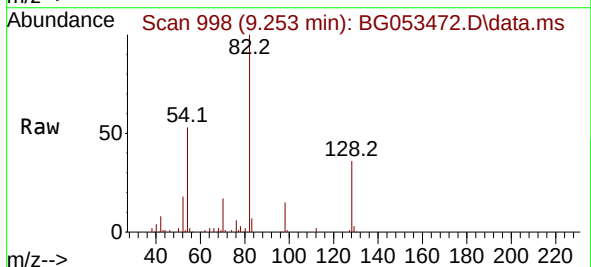
Instrument :  
BNA\_G  
ClientSampleId :  
02

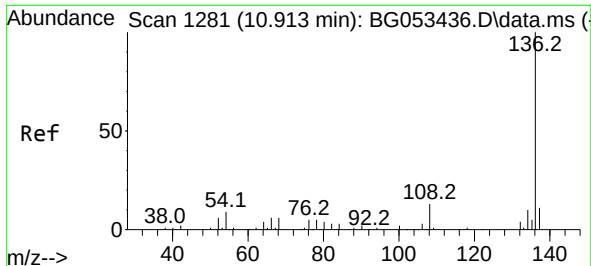
Tgt Ion: 99 Resp: 191790  
Ion Ratio Lower Upper  
99 100  
42 19.8 17.0 25.6  
71 39.9 33.8 50.8



#19  
n-Nitroso-di-n-propylamine  
Concen: 16.321 ng  
RT: 9.253 min Scan# 998  
Delta R.T. 0.356 min  
Lab File: BG053472.D  
Acq: 6 May 2022 12:14

Tgt Ion: 70 Resp: 19698  
Ion Ratio Lower Upper  
70 100  
42 47.3 47.3 70.9  
101 0.0 7.0 10.4#  
130 1.5 14.6 22.0#

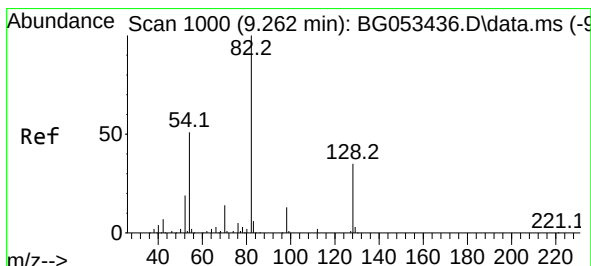
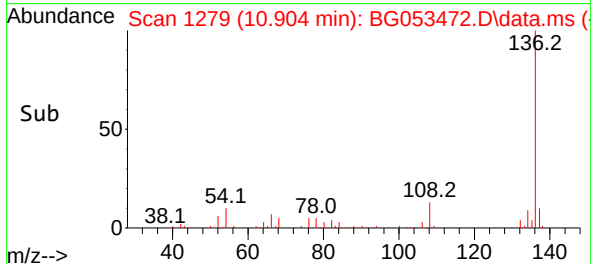
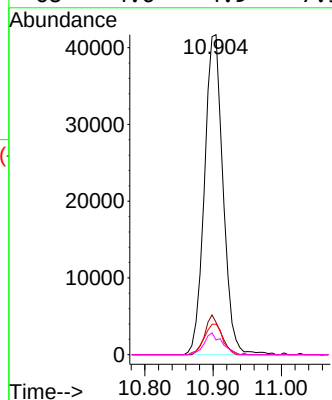
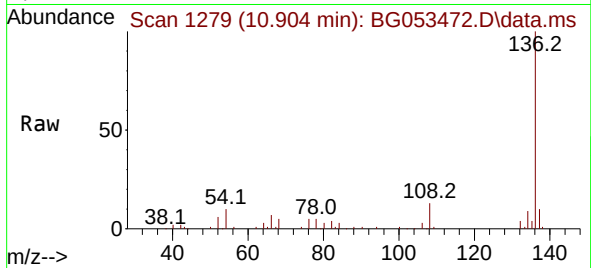




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.904 min Scan# 11  
Delta R.T. -0.009 min  
Lab File: BG053472.D  
Acq: 6 May 2022 12:14

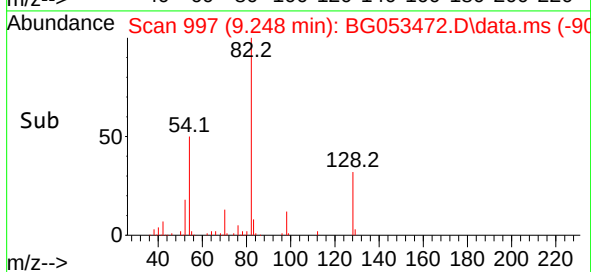
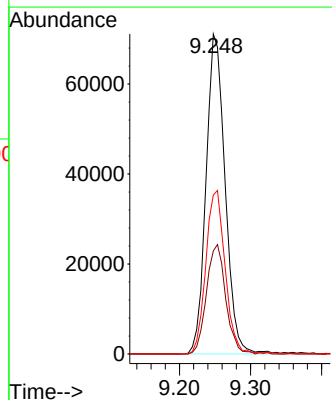
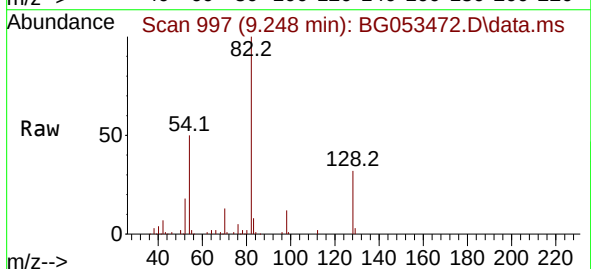
Instrument :  
BNA\_G  
ClientSampleId :  
02

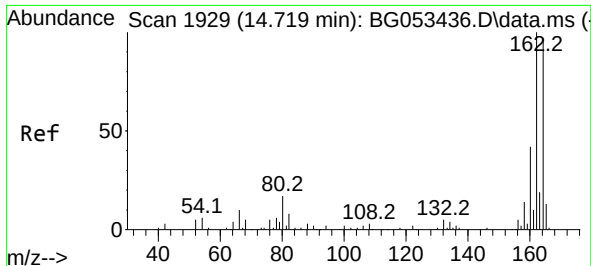
|             |       |          |
|-------------|-------|----------|
| Tgt Ion:136 | Resp: | 79045    |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 10.1  | 8.5 12.7 |
| 54          | 9.5   | 7.4 11.2 |
| 68          | 4.6   | 4.9 7.3  |



#23  
Nitrobenzene-d5  
Concen: 71.444 ng  
RT: 9.248 min Scan# 997  
Delta R.T. -0.014 min  
Lab File: BG053472.D  
Acq: 6 May 2022 12:14

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 82 | Resp: | 132663    |
| Ion Ratio   | Lower | Upper     |
| 82          | 100   |           |
| 128         | 32.2  | 27.9 41.9 |
| 54          | 49.7  | 41.2 61.8 |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.711 min Scan# 1927

Delta R.T. -0.008 min

Lab File: BG053472.D

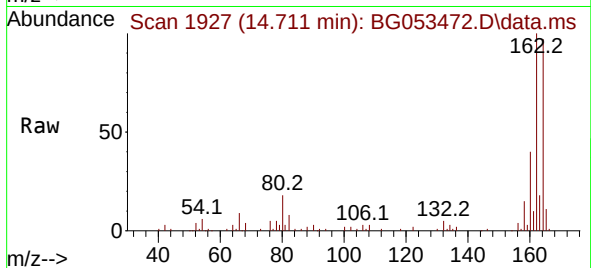
Acq: 6 May 2022 12:14

Instrument :

BNA\_G

ClientSampleId :

02



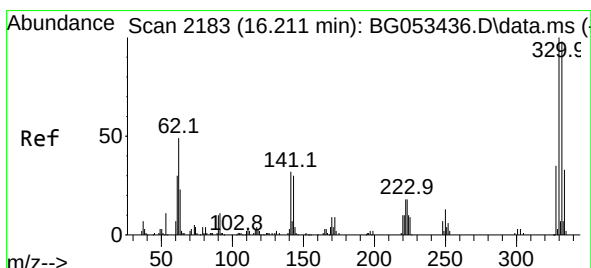
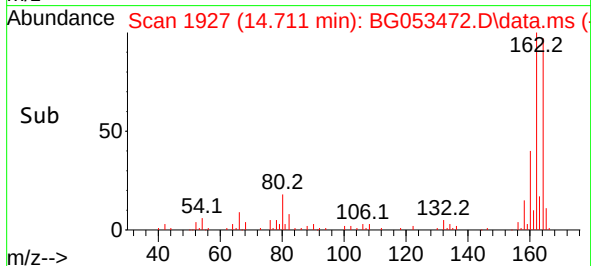
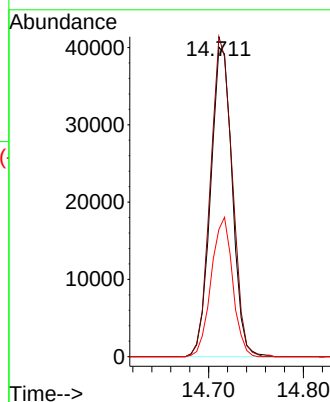
Tgt Ion:164 Resp: 63461

Ion Ratio Lower Upper

164 100

162 103.4 82.3 123.5

160 41.2 34.2 51.2



#42

2,4,6-Tribromophenol

Concen: 114.641 ng

RT: 16.203 min Scan# 2181

Delta R.T. -0.008 min

Lab File: BG053472.D

Acq: 6 May 2022 12:14

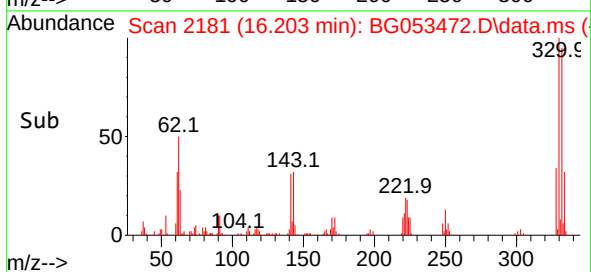
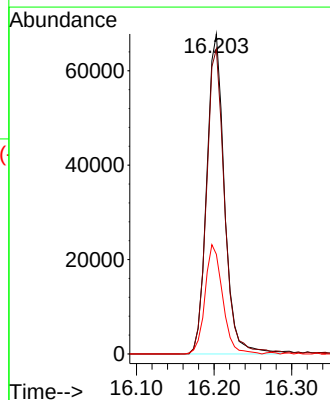
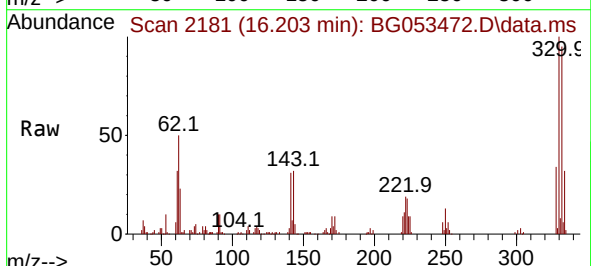
Tgt Ion:330 Resp: 107301

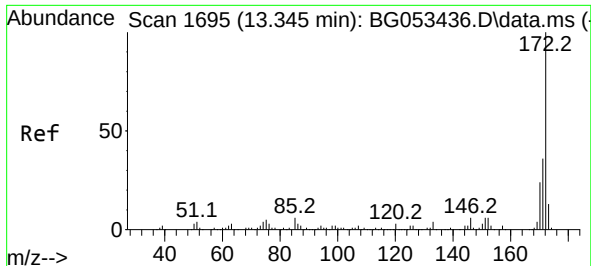
Ion Ratio Lower Upper

330 100

332 97.5 76.0 114.0

141 34.0 27.1 40.7

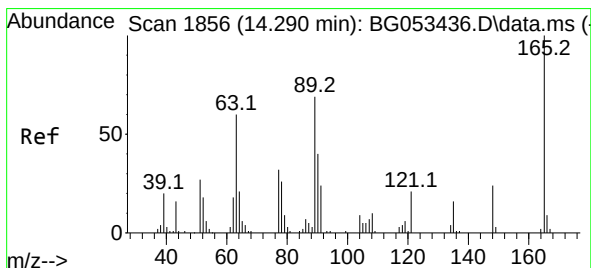
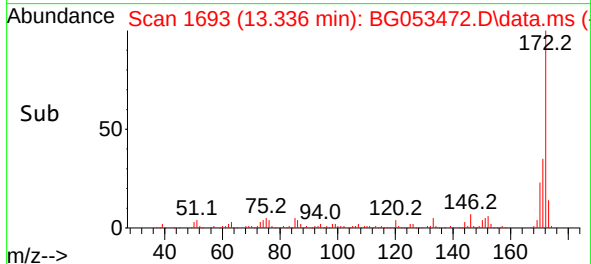
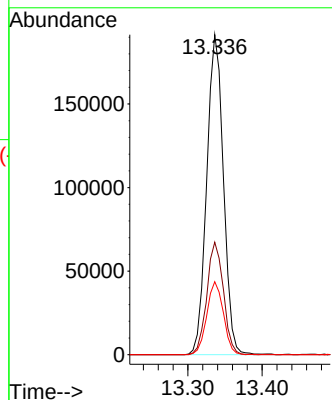
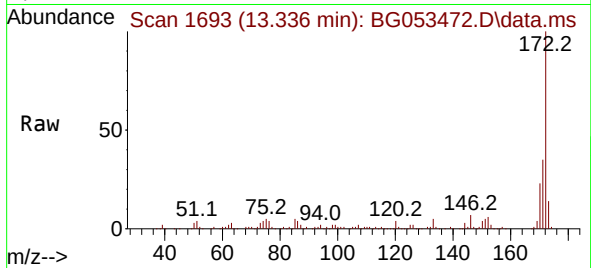




#45  
2-Fluorobiphenyl  
Concen: 68.943 ng  
RT: 13.336 min Scan# 1  
Delta R.T. -0.009 min  
Lab File: BG053472.D  
Acq: 6 May 2022 12:14

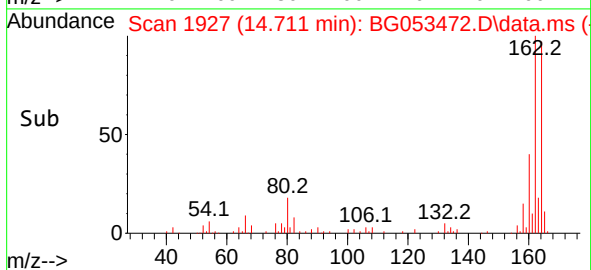
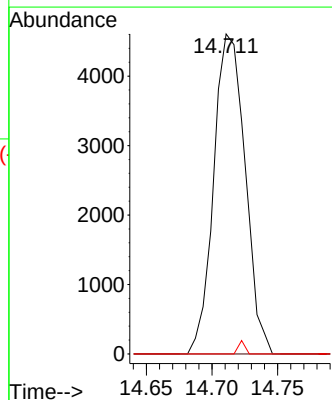
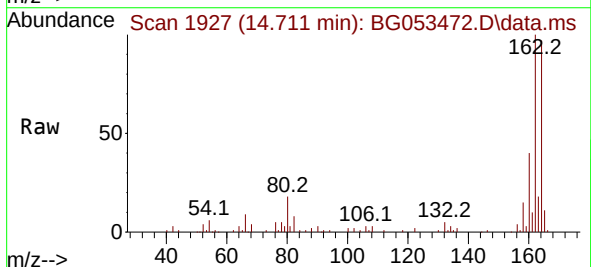
Instrument :  
BNA\_G  
ClientSampleId :  
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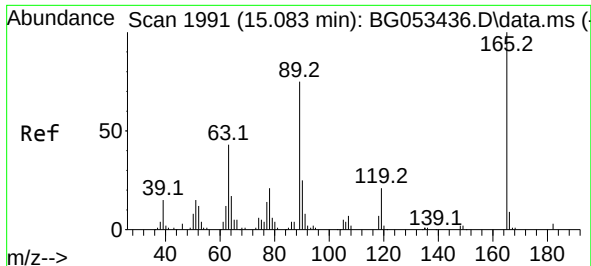
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Ion Ratio Lower Upper  
172 100  
171 35.2 28.5 42.7  
170 22.8 18.9 28.3



#51  
2,6-Dinitrotoluene  
Concen: 7.798 ng  
RT: 14.711 min Scan# 1927  
Delta R.T. 0.420 min  
Lab File: BG053472.D  
Acq: 6 May 2022 12:14

Tgt Ion:165 Resp: 7661  
Ion Ratio Lower Upper  
165 100  
63 0.0 54.1 81.1#  
89 0.0 54.8 82.2#

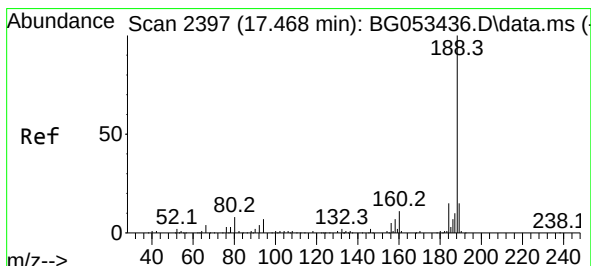
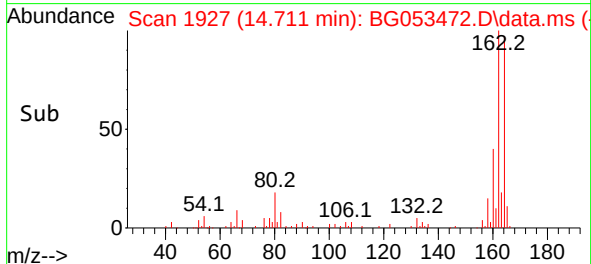
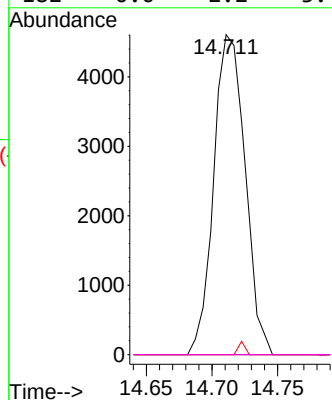
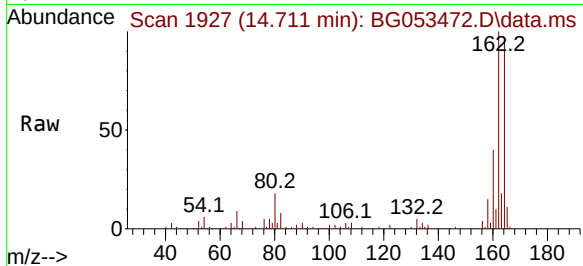




#57  
2,4-Dinitrotoluene  
Concen: 5.379 ng  
RT: 14.711 min Scan# 1927  
Delta R.T. -0.373 min  
Lab File: BG053472.D  
Acq: 6 May 2022 12:14

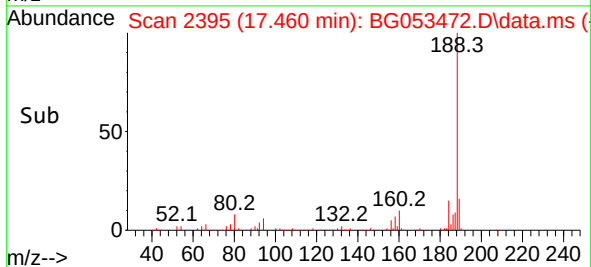
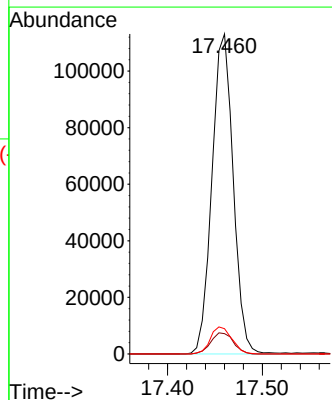
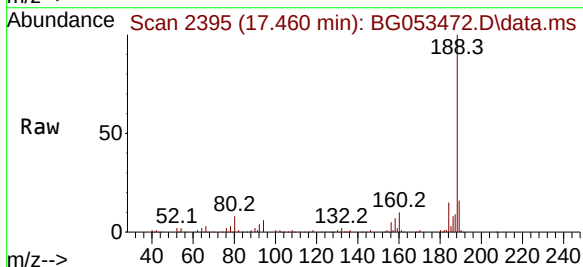
Instrument :  
BNA\_G  
ClientSampleId :  
02

Tgt Ion:165 Resp: 7661  
Ion Ratio Lower Upper  
165 100  
63 0.0 34.6 52.0#  
89 0.0 60.3 90.5#  
182 0.0 2.2 3.4#

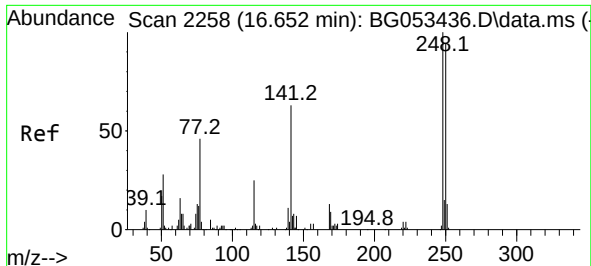


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.460 min Scan# 2395  
Delta R.T. -0.008 min  
Lab File: BG053472.D  
Acq: 6 May 2022 12:14

Tgt Ion:188 Resp: 175993  
Ion Ratio Lower Upper  
188 100  
94 6.3 5.4 8.0  
80 7.9 6.8 10.2



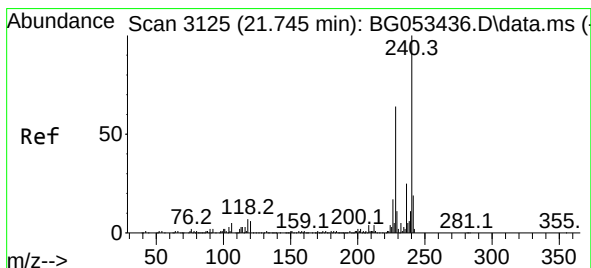
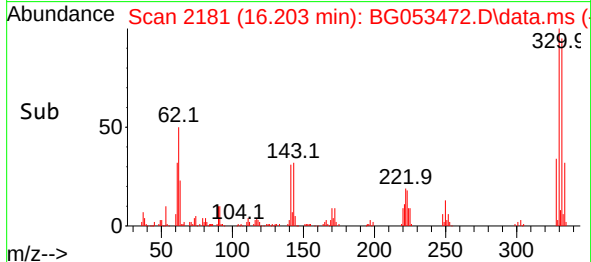
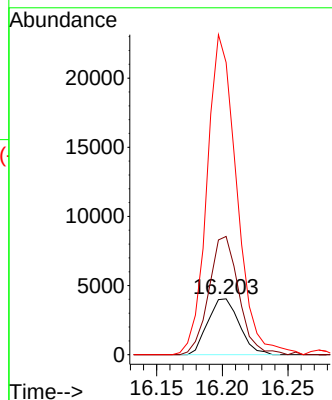
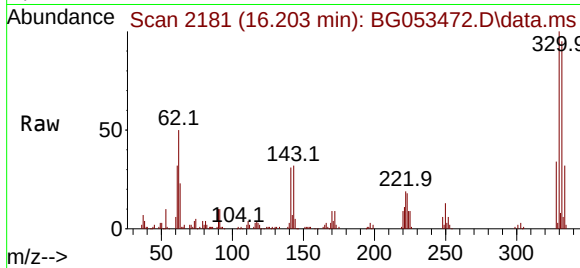




#67  
4-Bromophenyl-phenylether  
Concen: 3.269 ng  
RT: 16.203 min Scan# 21181  
Delta R.T. -0.449 min  
Lab File: BG053472.D  
Acq: 6 May 2022 12:14

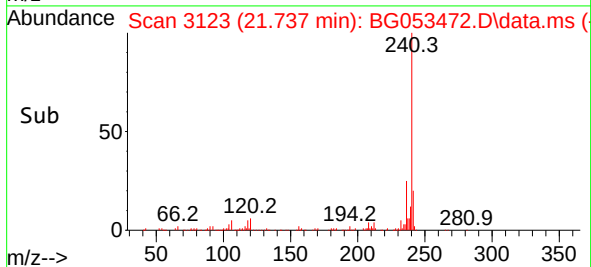
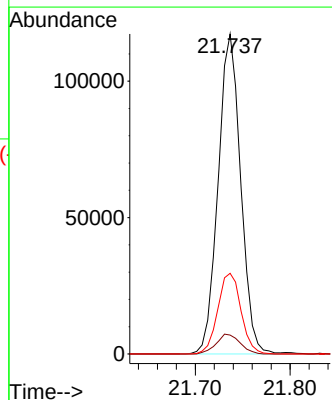
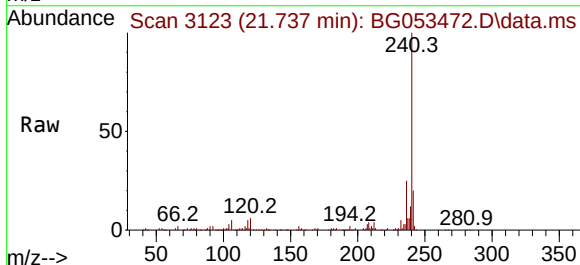
Instrument :  
BNA\_G  
ClientSampleId :  
02

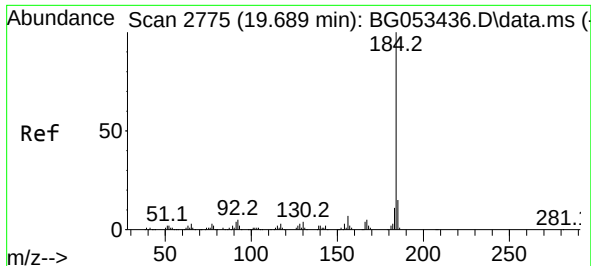
Tgt Ion:248 Resp: 6720  
Ion Ratio Lower Upper  
248 100  
250 211.6 75.2 112.8#  
141 522.7 50.0 75.0#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.737 min Scan# 3123  
Delta R.T. -0.008 min  
Lab File: BG053472.D  
Acq: 6 May 2022 12:14

Tgt Ion:240 Resp: 193606  
Ion Ratio Lower Upper  
240 100  
120 5.9 4.6 7.0  
236 25.2 20.2 30.4

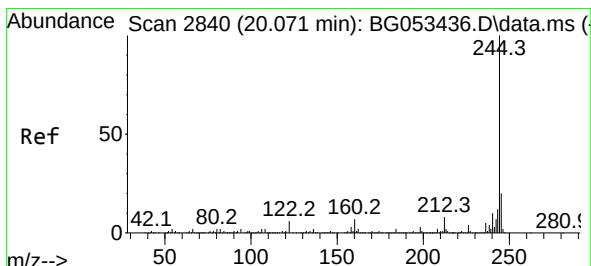
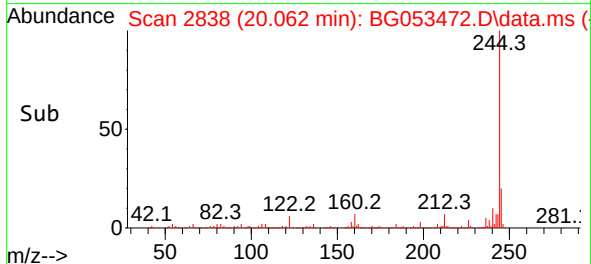
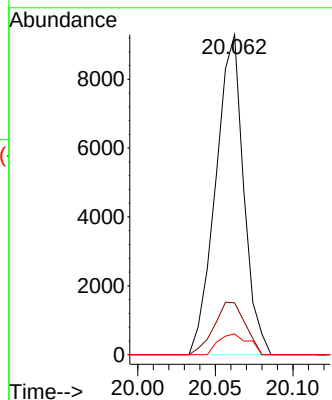
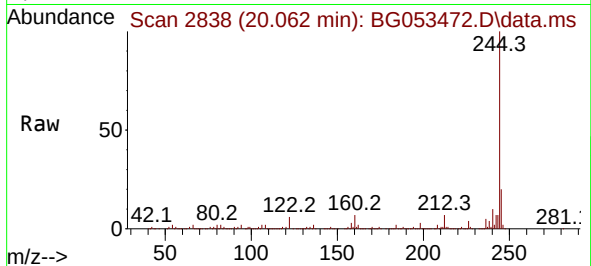




#77  
Benzidine  
Concen: 2.789 ng  
RT: 20.062 min Scan# 21  
Delta R.T. 0.373 min  
Lab File: BG053472.D  
Acq: 6 May 2022 12:14

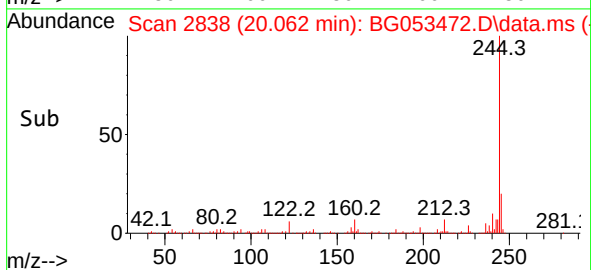
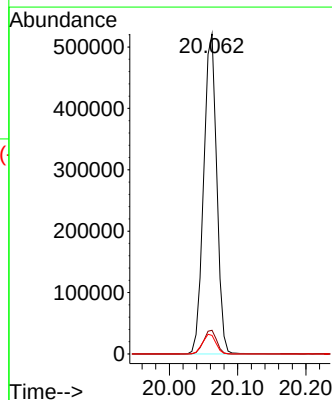
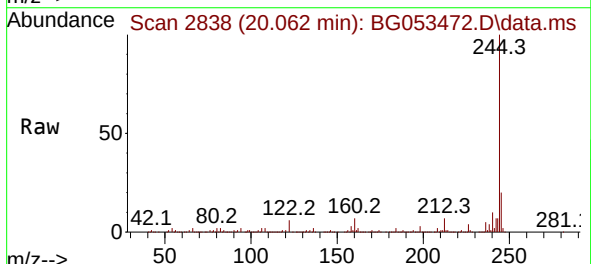
Instrument :  
BNA\_G  
ClientSampleId :  
02

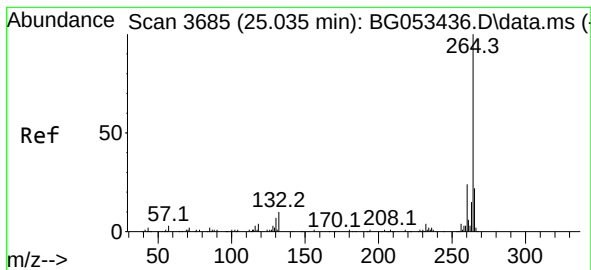
Tgt Ion:184 Resp: 11637  
Ion Ratio Lower Upper  
184 100  
185 16.2 11.8 17.6  
183 6.5 8.9 13.3#



#79  
Terphenyl-d14  
Concen: 66.875 ng  
RT: 20.062 min Scan# 2838  
Delta R.T. -0.009 min  
Lab File: BG053472.D  
Acq: 6 May 2022 12:14

Tgt Ion:244 Resp: 695169  
Ion Ratio Lower Upper  
244 100  
212 7.4 6.5 9.7  
122 5.8 5.0 7.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.015 min Scan# 30

Delta R.T. -0.020 min

Lab File: BG053472.D

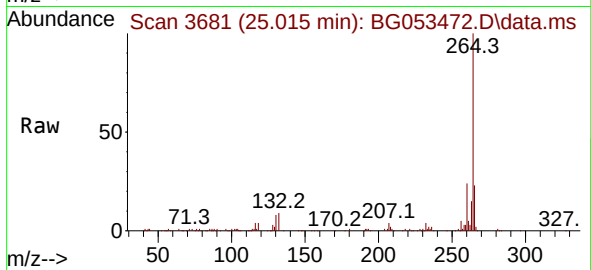
Acq: 6 May 2022 12:14

Instrument :

BNA\_G

ClientSampleId :

02



Tgt Ion:264 Resp: 201823

Ion Ratio Lower Upper

264 100

260 24.0 19.0 28.6

265 22.5 17.4 26.2

