

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG051622\  
 Data File : BG053573.D  
 Acq On : 16 May 2022 18:56  
 Operator : CG/JU  
 Sample : N2832-06  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB07

Quant Time: May 17 05:21:19 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG050522.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 11 06:00:46 2022  
 Response via : Initial Calibration

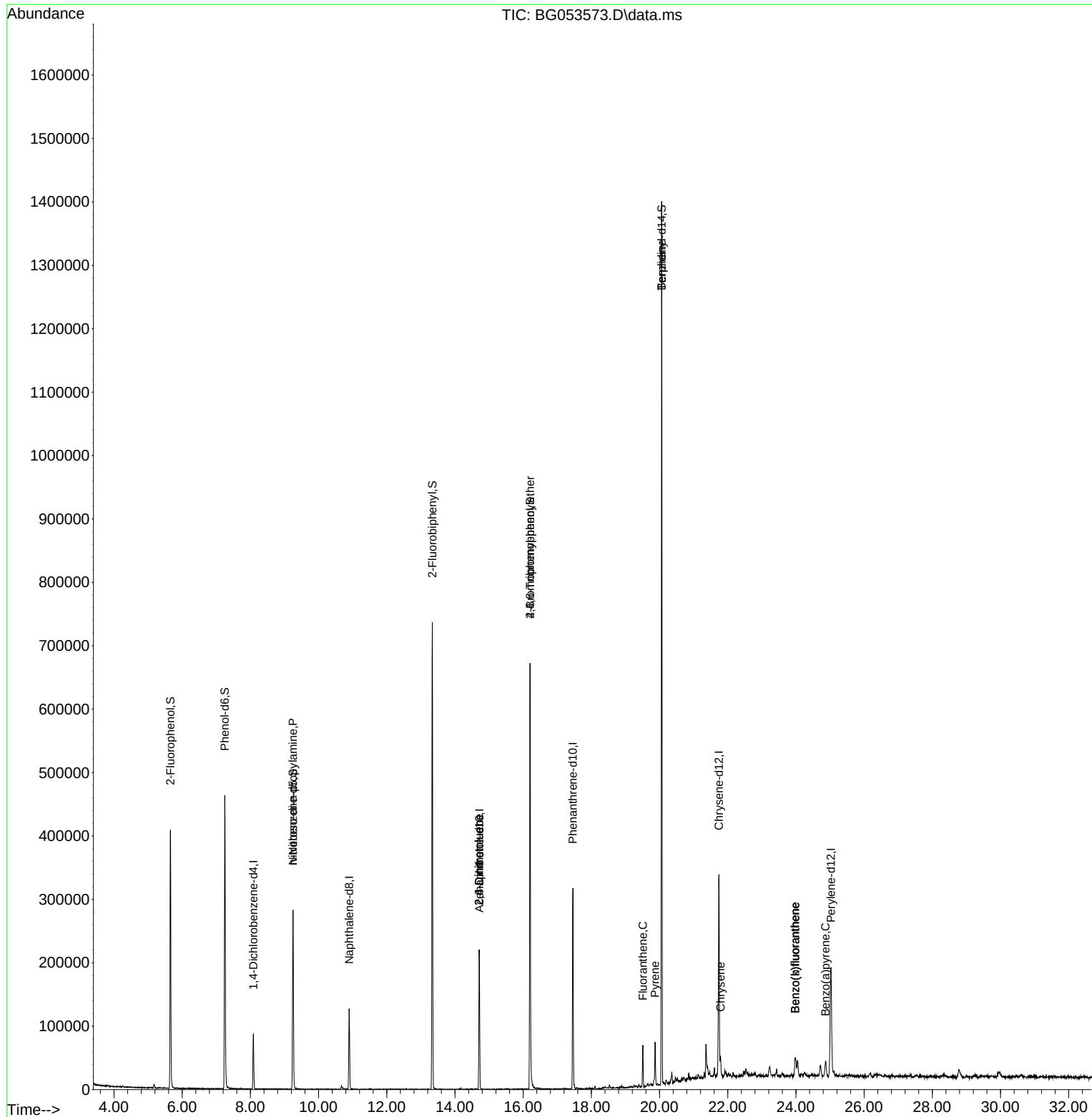
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.090  | 152  | 25309    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.898 | 136  | 104619   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.716 | 164  | 83555    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.459 | 188  | 203466   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.742 | 240  | 193971   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 25.025 | 264  | 195183   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.658  | 112  | 170668   | 114.444 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.250  | 99   | 263371   | 116.369 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.247  | 82   | 185909   | 75.645  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.202 | 330  | 140545   | 114.047 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.335 | 172  | 401240   | 70.172  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.062 | 244  | 702250   | 67.429  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 9.247  | 70   | 25914    | 15.958  | ng    | # 78     |
| 51) 2,6-Dinitrotoluene        | 14.710 | 165  | 10762    | 8.320   | ng    | # 16     |
| 57) 2,4-Dinitrotoluene        | 14.710 | 165  | 10762    | 5.740   | ng    | # 21     |
| 67) 4-Bromophenyl-phenylether | 16.202 | 248  | 9436     | 3.971   | ng    | # 1      |
| 75) Fluoranthene              | 19.509 | 202  | 44267    | 3.305   | ng    | 93       |
| 77) Benzidine                 | 20.062 | 184  | 11978    | 2.865   | ng    | # 93     |
| 78) Pyrene                    | 19.868 | 202  | 43998    | 3.504   | ng    | 98       |
| 83) Chrysene                  | 21.789 | 228  | 23895    | 2.068   | ng    | 95       |
| 88) Benzo(b)fluoranthene      | 23.980 | 252  | 41138    | 3.561   | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 23.980 | 252  | 41138    | 3.624   | ng    | 97       |
| 90) Benzo(a)pyrene            | 24.867 | 252  | 27133    | 2.759   | ng    | 98       |
| -----                         |        |      |          |         |       |          |

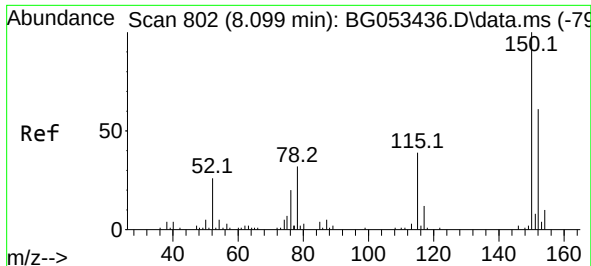
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG051622\  
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Sample : N2832-06  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_G  
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Quant Time: May 17 05:21:19 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG050522.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed May 11 06:00:46 2022  
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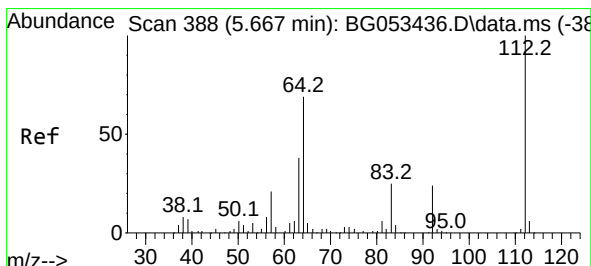
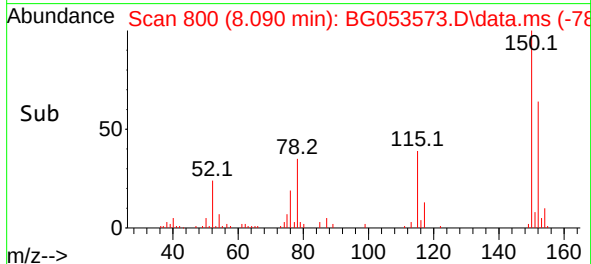
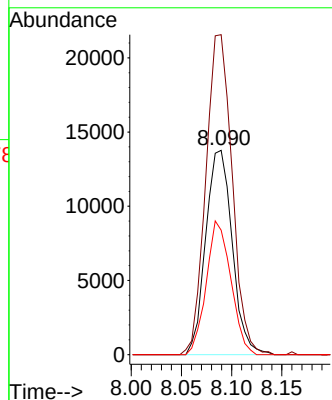
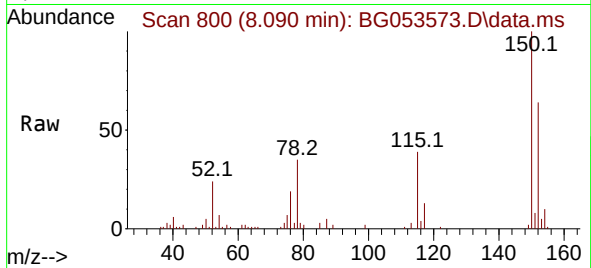




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.090 min Scan# 80  
Delta R.T. 0.001 min  
Lab File: BG053573.D  
Acq: 16 May 2022 18:56

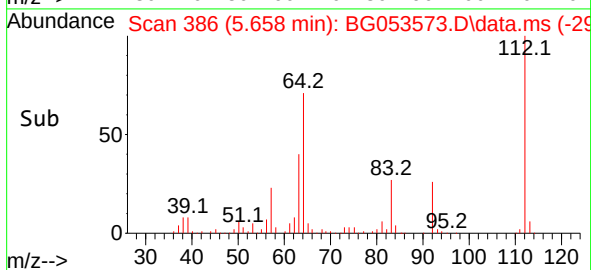
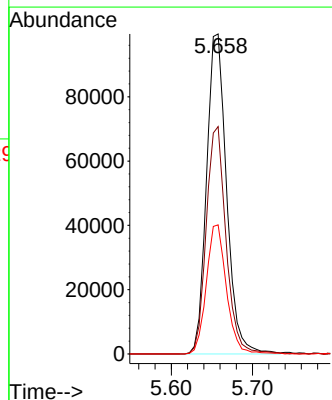
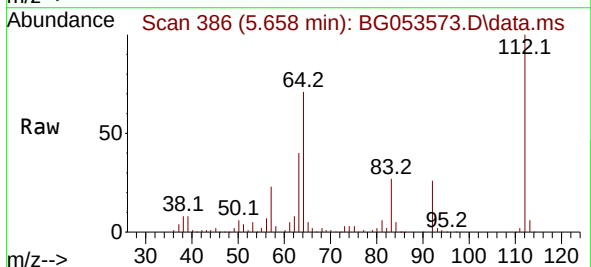
Instrument :  
BNA\_G  
ClientSampleId :  
SB07

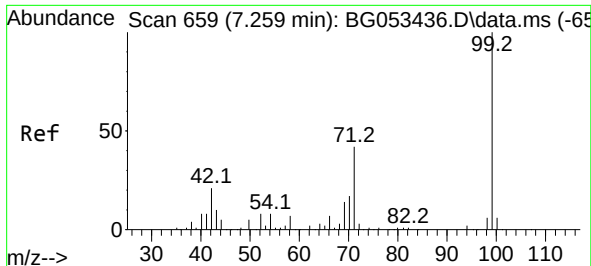
Tgt Ion:152 Resp: 25309  
Ion Ratio Lower Upper  
152 100  
150 156.6 131.6 197.4  
115 60.9 50.9 76.3



#5  
2-Fluorophenol  
Concen: 114.444 ng  
RT: 5.658 min Scan# 386  
Delta R.T. 0.006 min  
Lab File: BG053573.D  
Acq: 16 May 2022 18:56

Tgt Ion:112 Resp: 170668  
Ion Ratio Lower Upper  
112 100  
64 71.0 55.1 82.7  
63 40.4 30.4 45.6

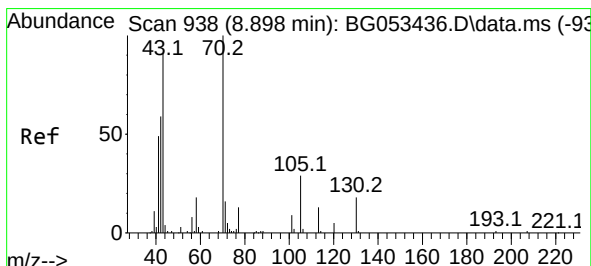
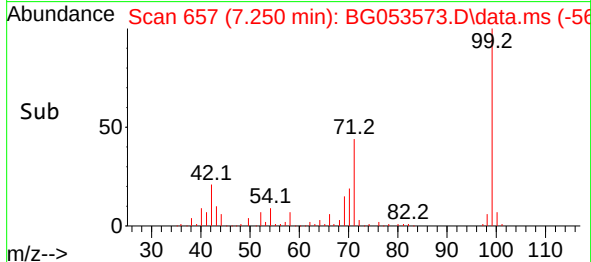
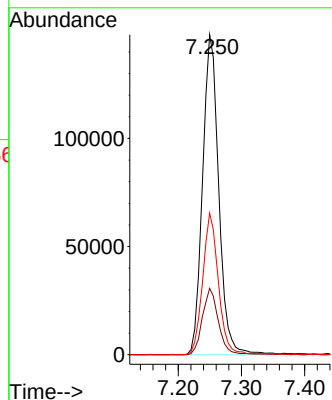
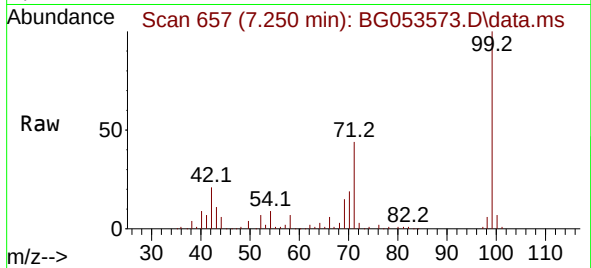




#7  
Phenol-d6  
Concen: 116.369 ng  
RT: 7.250 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: BG053573.D  
Acq: 16 May 2022 18:56

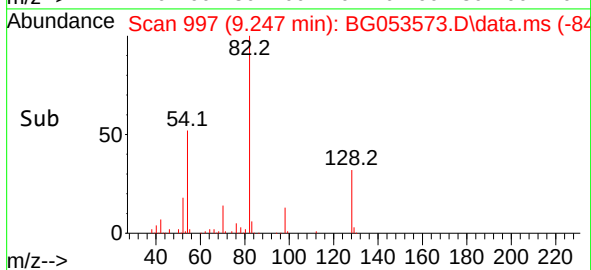
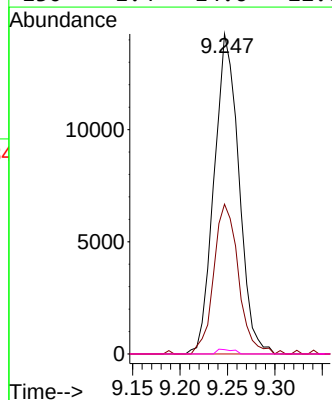
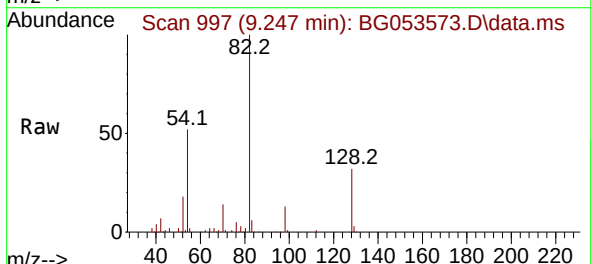
Instrument :  
BNA\_G  
ClientSampleId :  
SB07

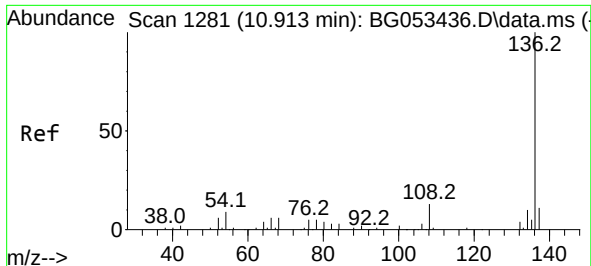
Tgt Ion: 99 Resp: 263371  
Ion Ratio Lower Upper  
99 100  
42 20.7 17.0 25.6  
71 44.3 33.8 50.8



#19  
n-Nitroso-di-n-propylamine  
Concen: 15.958 ng  
RT: 9.247 min Scan# 997  
Delta R.T. 0.358 min  
Lab File: BG053573.D  
Acq: 16 May 2022 18:56

Tgt Ion: 70 Resp: 25914  
Ion Ratio Lower Upper  
70 100  
42 46.8 47.3 70.9#  
101 0.0 7.0 10.4#  
130 1.4 14.6 22.0#

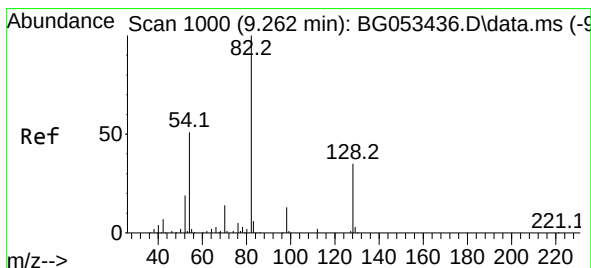
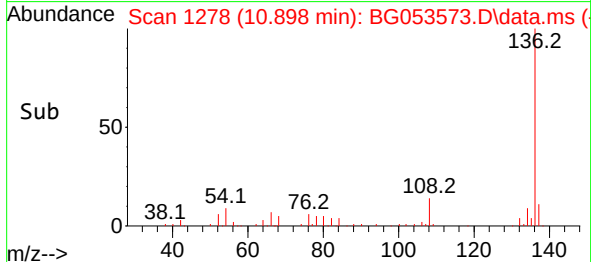
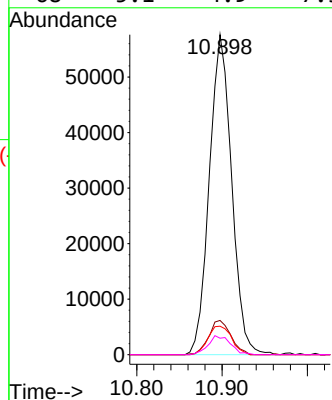
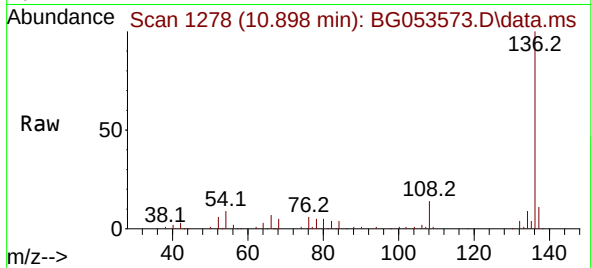




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.898 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BG053573.D  
Acq: 16 May 2022 18:56

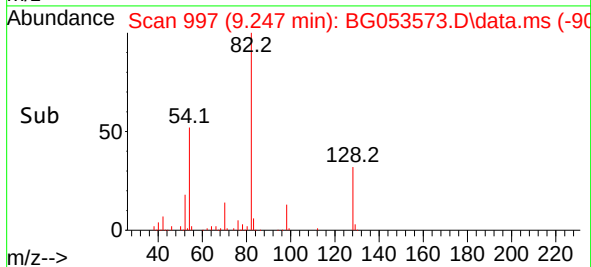
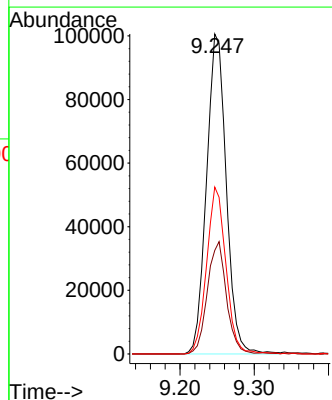
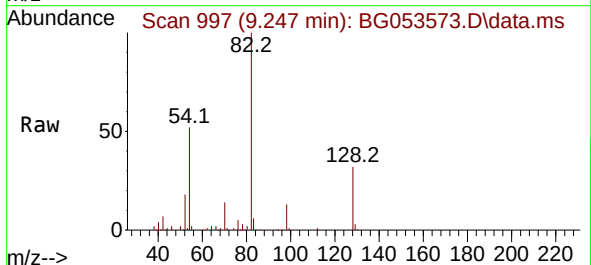
Instrument :  
BNA\_G  
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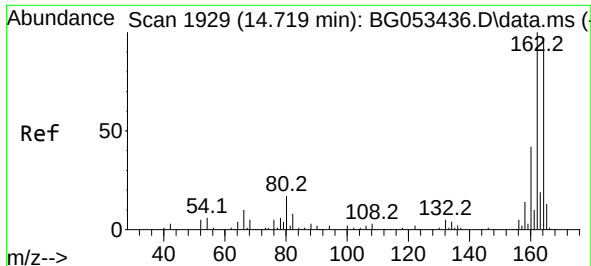
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 104619 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 10.7  | 8.5   | 12.7   |
| 54        | 8.9   | 7.4   | 11.2   |
| 68        | 5.1   | 4.9   | 7.3    |



#23  
Nitrobenzene-d5  
Concen: 75.645 ng  
RT: 9.247 min Scan# 997  
Delta R.T. -0.006 min  
Lab File: BG053573.D  
Acq: 16 May 2022 18:56

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 82    | Resp: | 185909 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 32.3  | 27.9  | 41.9   |
| 54        | 52.2  | 41.2  | 61.8   |

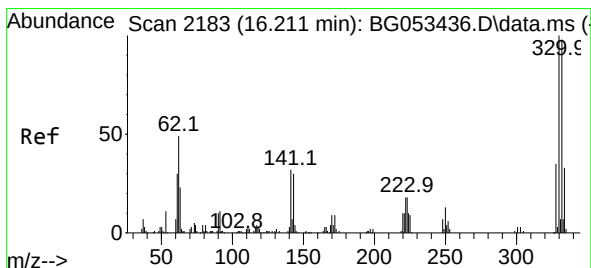
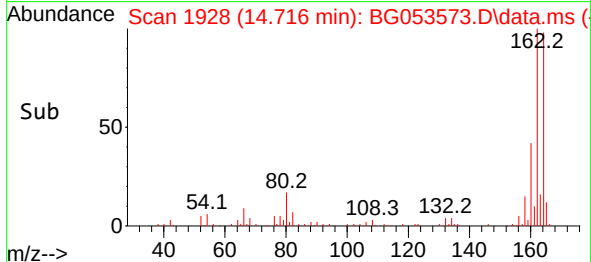
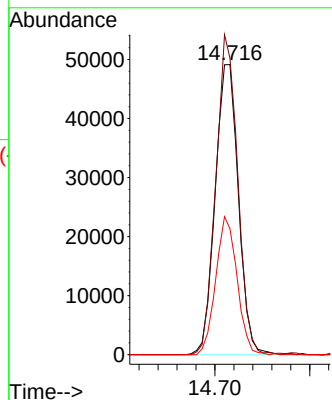
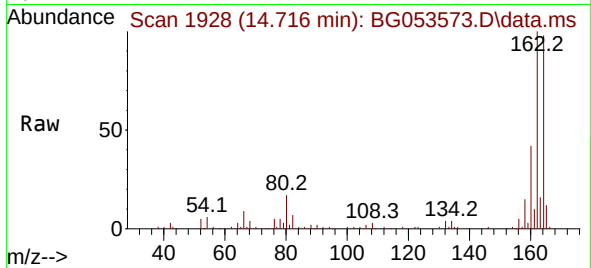




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.716 min Scan# 1929  
Delta R.T. 0.000 min  
Lab File: BG053573.D  
Acq: 16 May 2022 18:56

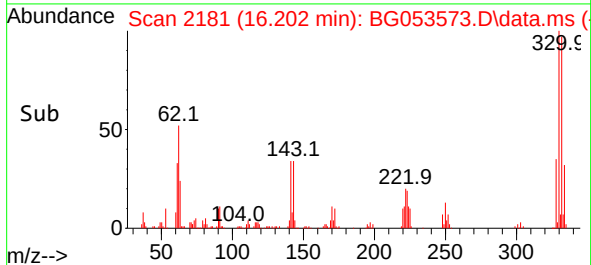
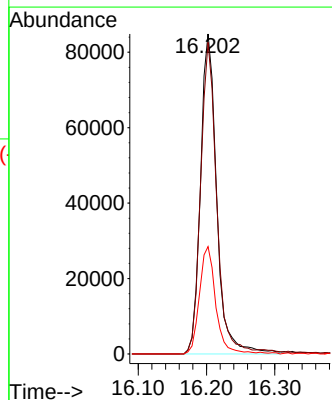
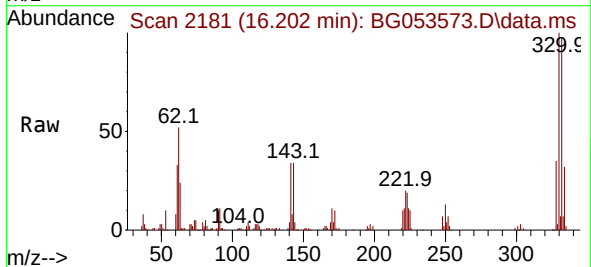
Instrument :  
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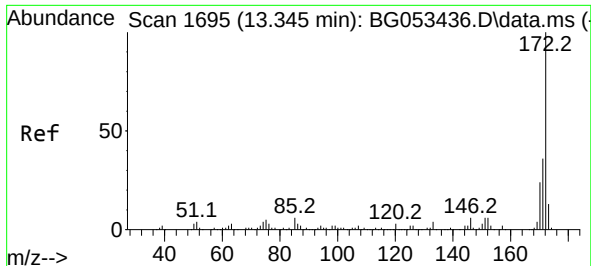
Tgt Ion:164 Resp: 83555  
Ion Ratio Lower Upper  
164 100  
162 102.2 82.3 123.5  
160 43.4 34.2 51.2



#42  
2,4,6-Tribromophenol  
Concen: 114.047 ng  
RT: 16.202 min Scan# 2181  
Delta R.T. 0.000 min  
Lab File: BG053573.D  
Acq: 16 May 2022 18:56

Tgt Ion:330 Resp: 140545  
Ion Ratio Lower Upper  
330 100  
332 95.7 76.0 114.0  
141 34.0 27.1 40.7

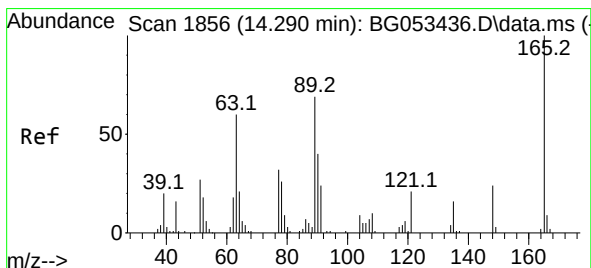
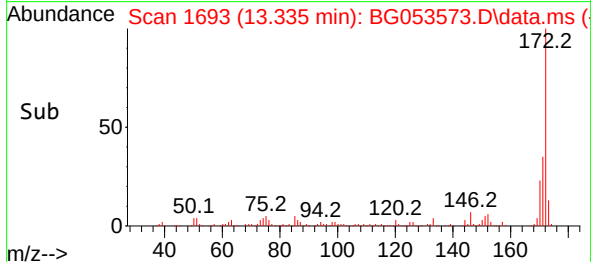
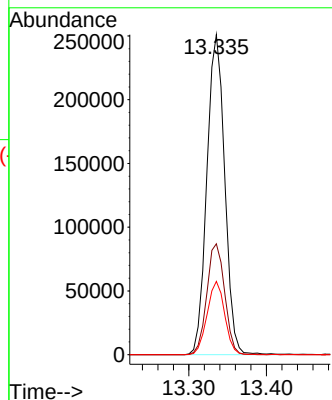
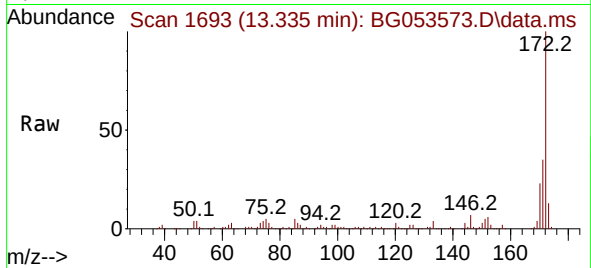




#45  
2-Fluorobiphenyl  
Concen: 70.172 ng  
RT: 13.335 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: BG053573.D  
Acq: 16 May 2022 18:56

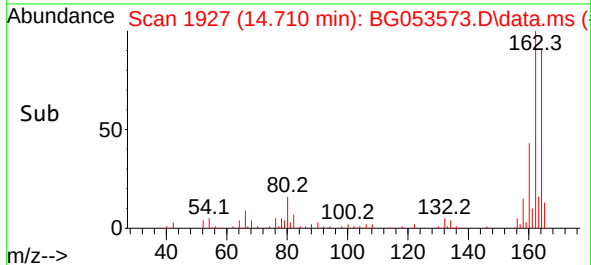
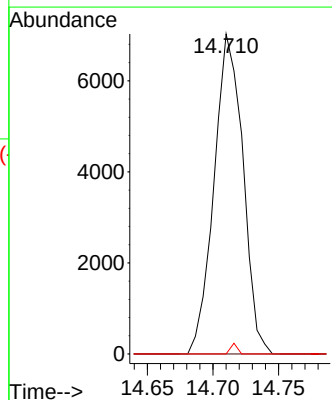
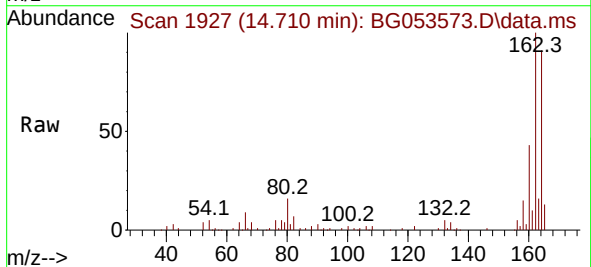
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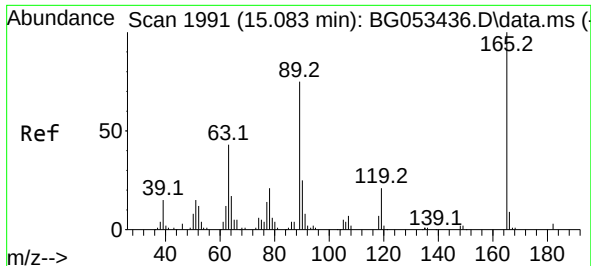
Tgt Ion:172 Resp: 401240  
Ion Ratio Lower Upper  
172 100  
171 34.6 28.5 42.7  
170 22.9 18.9 28.3



#51  
2,6-Dinitrotoluene  
Concen: 8.320 ng  
RT: 14.710 min Scan# 1927  
Delta R.T. 0.429 min  
Lab File: BG053573.D  
Acq: 16 May 2022 18:56

Tgt Ion:165 Resp: 10762  
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: 5.740 ng

RT: 14.710 min Scan# 1991

Delta R.T. -0.364 min

Lab File: BG053573.D

Acq: 16 May 2022 18:56

Instrument :

BNA\_G

ClientSampleId :

SB07

Tgt Ion:165 Resp: 10762

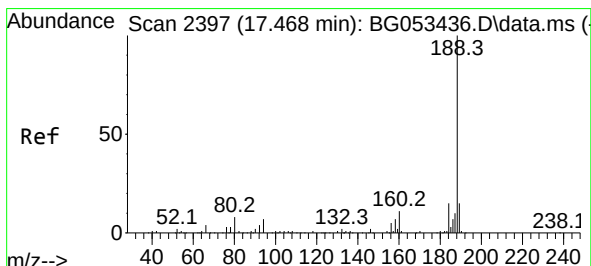
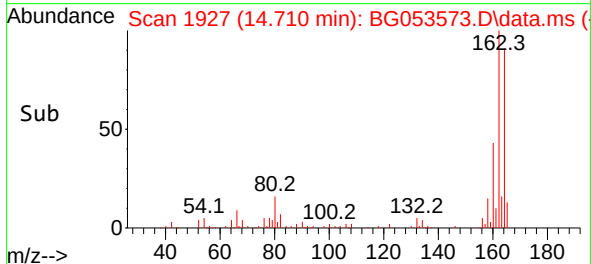
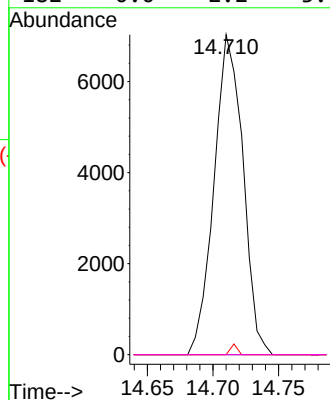
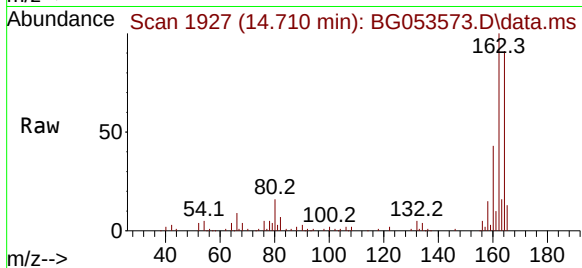
Ion Ratio Lower Upper

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: 17.459 min Scan# 2395

Delta R.T. 0.000 min

Lab File: BG053573.D

Acq: 16 May 2022 18:56

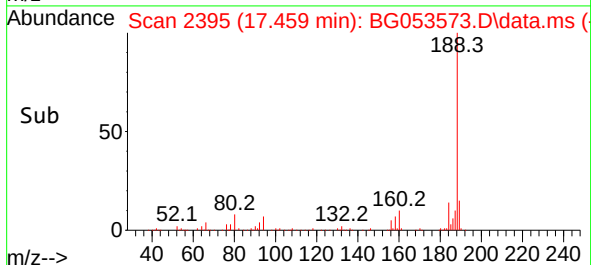
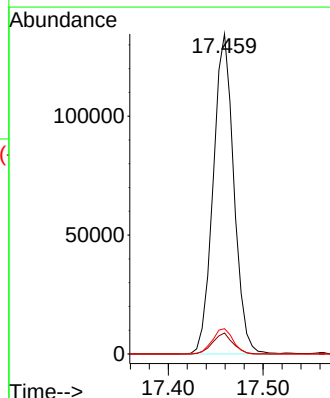
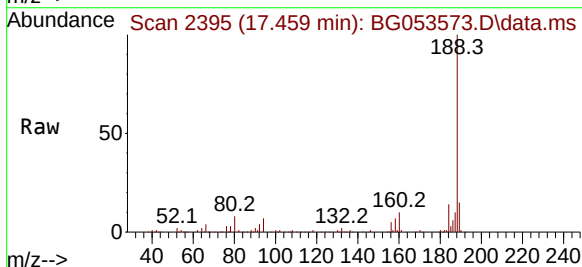
Tgt Ion:188 Resp: 203466

Ion Ratio Lower Upper

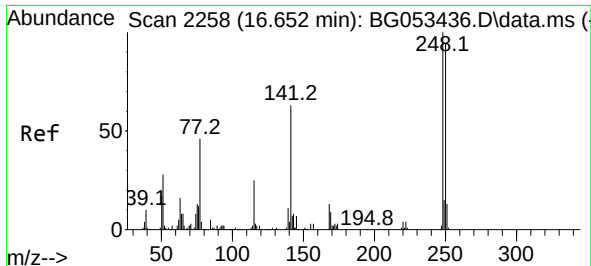
188 100

94 6.6 5.4 8.0

80 7.9 6.8 10.2



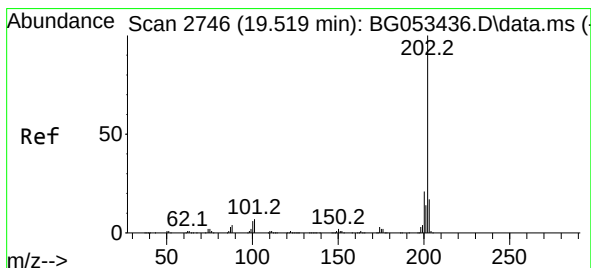
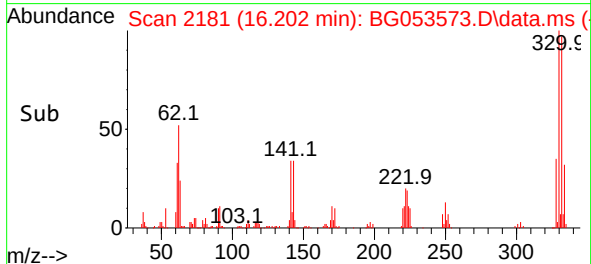
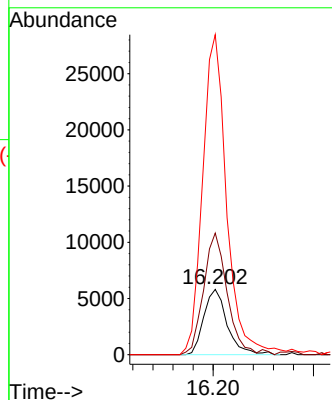
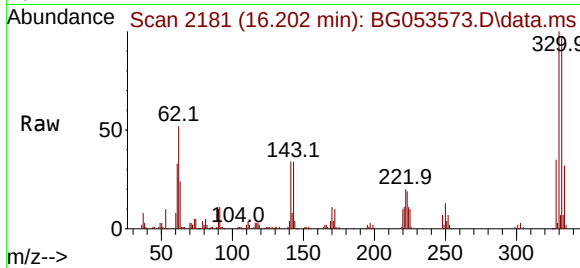




#67  
4-Bromophenyl-phenylether  
Concen: 3.971 ng  
RT: 16.202 min Scan# 2181  
Delta R.T. -0.440 min  
Lab File: BG053573.D  
Acq: 16 May 2022 18:56

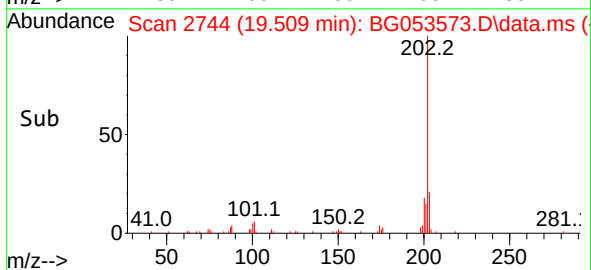
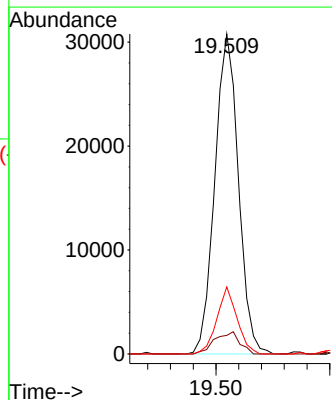
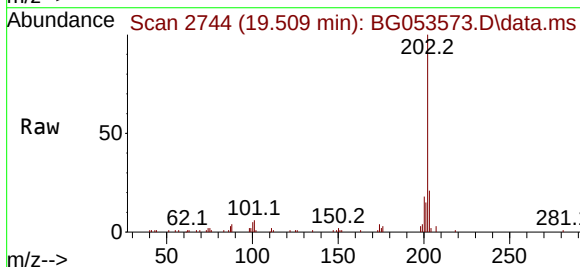
Instrument :  
BNA\_G  
ClientSampleId :  
SB07

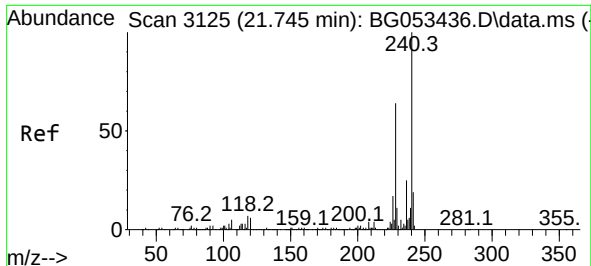
Tgt Ion:248 Resp: 9436  
Ion Ratio Lower Upper  
248 100  
250 186.3 75.2 112.8#  
141 490.1 50.0 75.0#



#75  
Fluoranthene  
Concen: 3.305 ng  
RT: 19.509 min Scan# 2744  
Delta R.T. 0.000 min  
Lab File: BG053573.D  
Acq: 16 May 2022 18:56

Tgt Ion:202 Resp: 44267  
Ion Ratio Lower Upper  
202 100  
101 5.8 0.0 26.9  
203 20.9 0.0 37.2

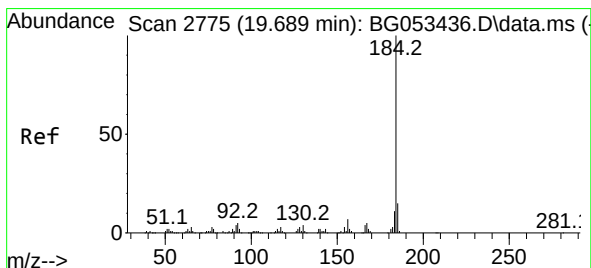
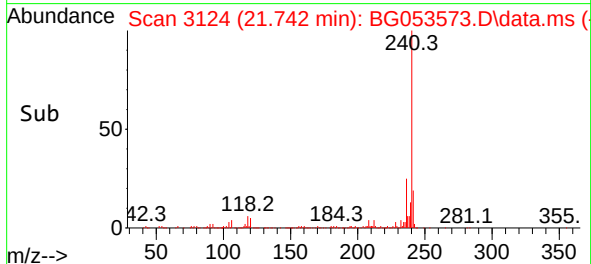
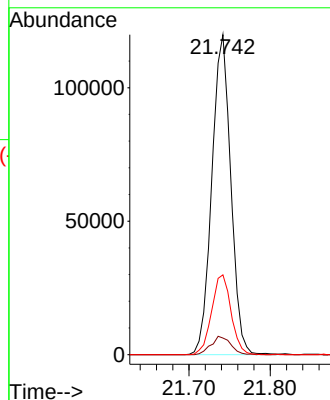
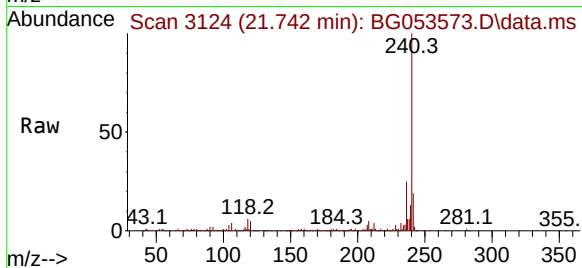




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.742 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: BG053573.D  
Acq: 16 May 2022 18:56

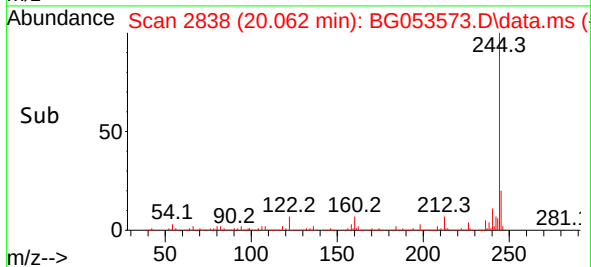
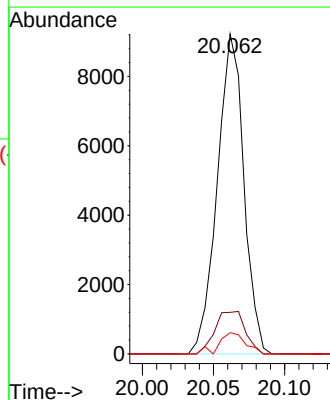
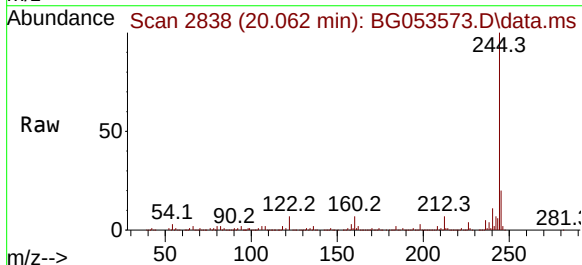
Instrument :  
BNA\_G  
ClientSampleId :  
SB07

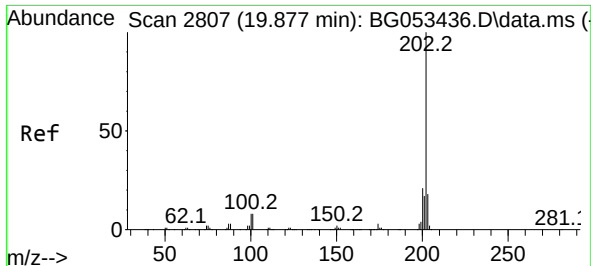
Tgt Ion:240 Resp: 193971  
Ion Ratio Lower Upper  
240 100  
120 5.2 4.6 7.0  
236 25.0 20.2 30.4



#77  
Benzidine  
Concen: 2.865 ng  
RT: 20.062 min Scan# 2838  
Delta R.T. 0.382 min  
Lab File: BG053573.D  
Acq: 16 May 2022 18:56

Tgt Ion:184 Resp: 11978  
Ion Ratio Lower Upper  
184 100  
185 13.0 11.8 17.6  
183 6.6 8.9 13.3#

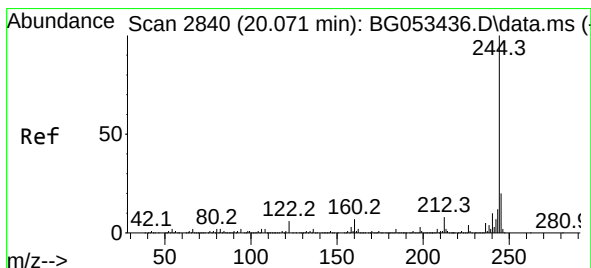
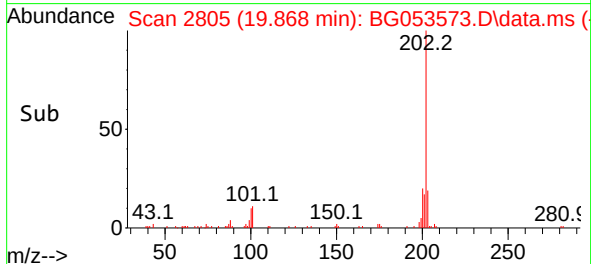
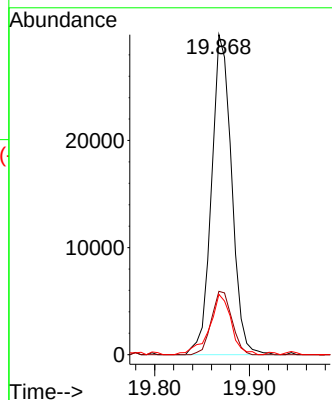
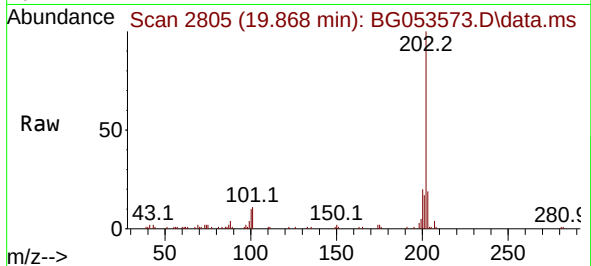




#78  
 Pyrene  
 Concen: 3.504 ng  
 RT: 19.868 min Scan# 21  
 Delta R.T. -0.006 min  
 Lab File: BG053573.D  
 Acq: 16 May 2022 18:56

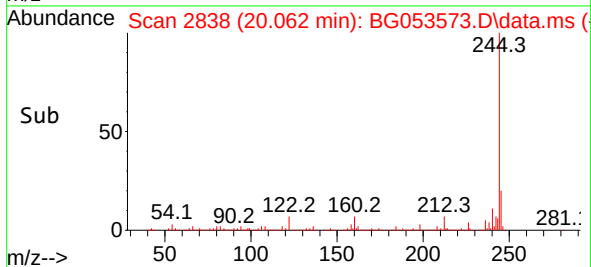
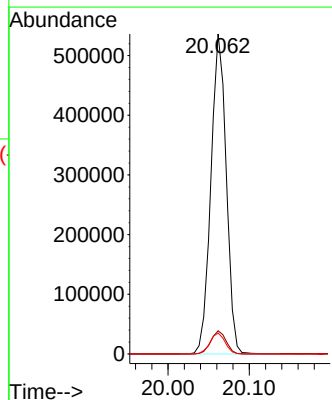
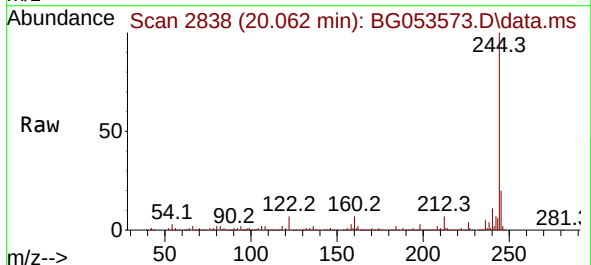
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB07

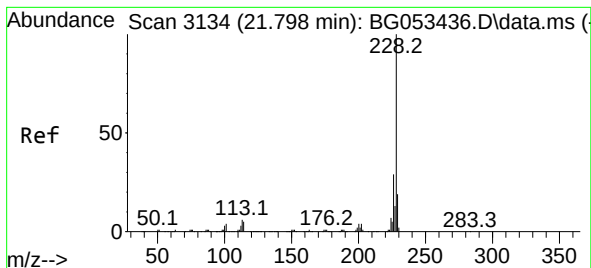
Tgt Ion:202 Resp: 43998  
 Ion Ratio Lower Upper  
 202 100  
 200 19.8 16.6 24.8  
 203 18.8 14.6 21.8



#79  
 Terphenyl-d14  
 Concen: 67.429 ng  
 RT: 20.062 min Scan# 2838  
 Delta R.T. 0.000 min  
 Lab File: BG053573.D  
 Acq: 16 May 2022 18:56

Tgt Ion:244 Resp: 702250  
 Ion Ratio Lower Upper  
 244 100  
 212 7.2 6.5 9.7  
 122 6.6 5.0 7.4





#83

Chrysene

Concen: 2.068 ng

RT: 21.789 min Scan# 31

Delta R.T. 0.000 min

Lab File: BG053573.D

Acq: 16 May 2022 18:56

Instrument :

BNA\_G

ClientSampleId :

SB07

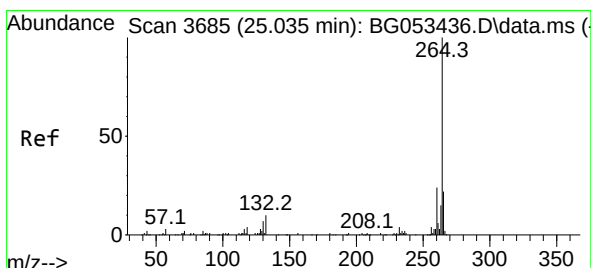
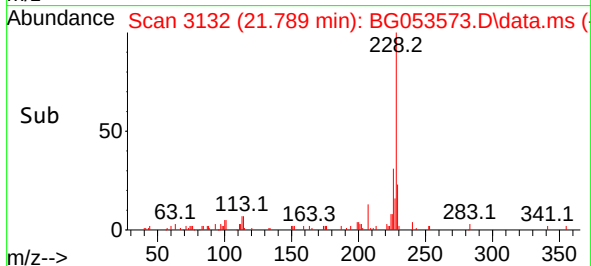
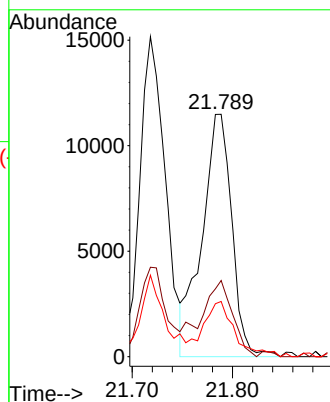
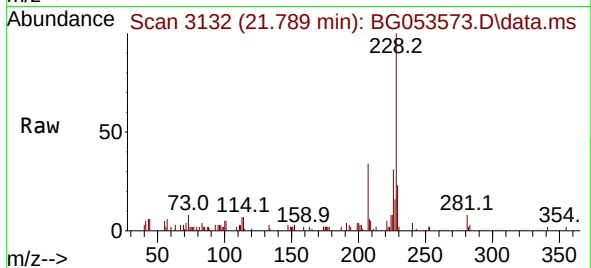
Tgt Ion:228 Resp: 23895

Ion Ratio Lower Upper

228 100

226 31.4 23.4 35.2

229 22.8 15.5 23.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.025 min Scan# 3683

Delta R.T. 0.006 min

Lab File: BG053573.D

Acq: 16 May 2022 18:56

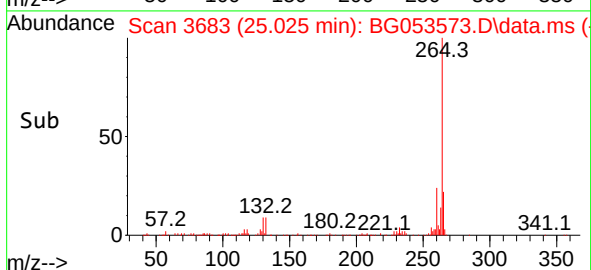
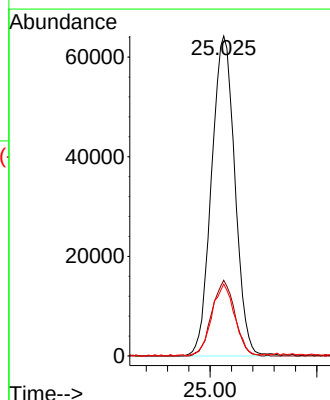
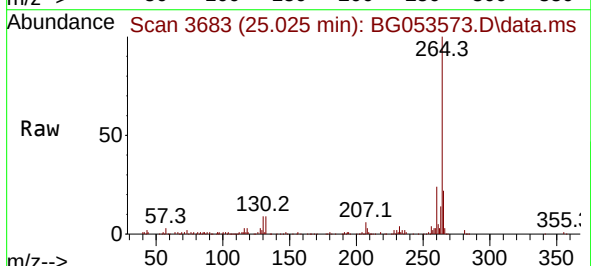
Tgt Ion:264 Resp: 195183

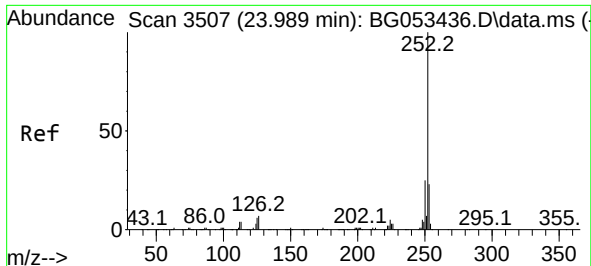
Ion Ratio Lower Upper

264 100

260 23.7 19.0 28.6

265 22.5 17.4 26.2

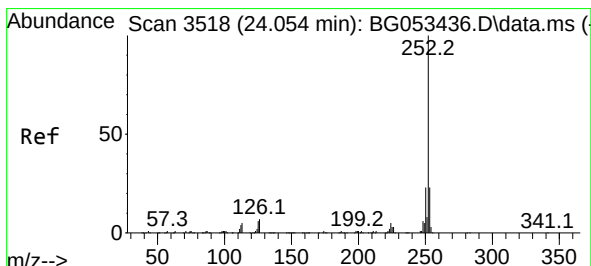
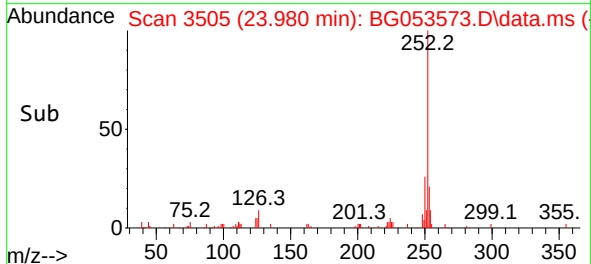
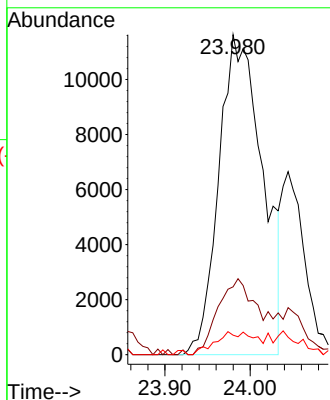
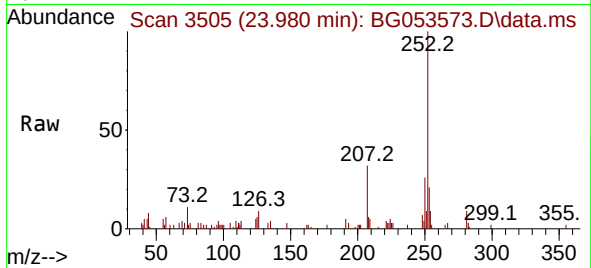




#88  
Benzo(b)fluoranthene  
Concen: 3.561 ng  
RT: 23.980 min Scan# 3505  
Delta R.T. 0.000 min  
Lab File: BG053573.D  
Acq: 16 May 2022 18:56

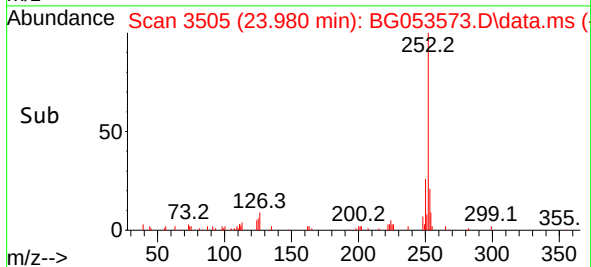
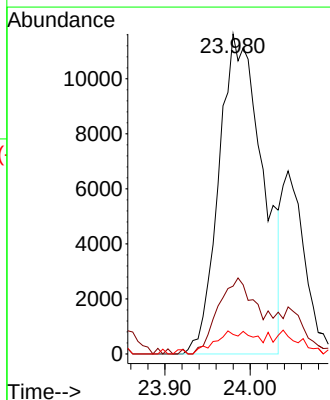
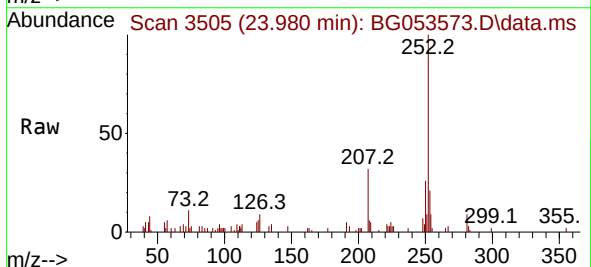
Instrument :  
BNA\_G  
ClientSampleId :  
SB07

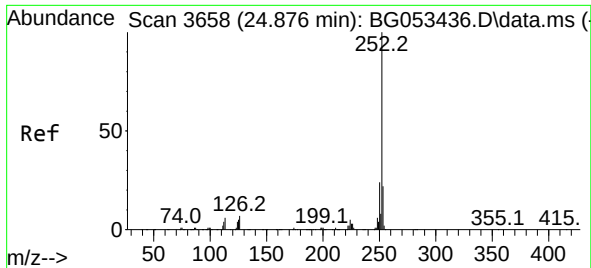
Tgt Ion:252 Resp: 41138  
Ion Ratio Lower Upper  
252 100  
253 21.2 18.0 27.0  
125 6.1 4.6 6.8



#89  
Benzo(k)fluoranthene  
Concen: 3.624 ng  
RT: 23.980 min Scan# 3505  
Delta R.T. -0.064 min  
Lab File: BG053573.D  
Acq: 16 May 2022 18:56

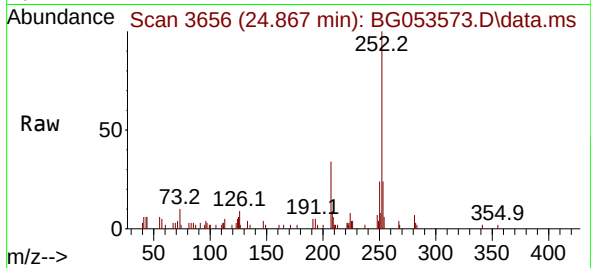
Tgt Ion:252 Resp: 41138  
Ion Ratio Lower Upper  
252 100  
253 21.2 18.4 27.6  
125 6.1 4.8 7.2





#90  
 Benzo(a)pyrene  
 Concen: 2.759 ng  
 RT: 24.867 min Scan# 30  
 Delta R.T. 0.000 min  
 Lab File: BG053573.D  
 Acq: 16 May 2022 18:56

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB07



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 252   | Resp: | 27133 |
| Ion      | Ratio | Lower | Upper |
| 252      | 100   |       |       |
| 253      | 23.5  | 17.8  | 26.8  |
| 125      | 5.9   | 4.3   | 6.5   |

