

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG020723\  
 Data File : BG056568.D  
 Acq On : 7 Feb 2023 15:18  
 Operator : CG/JU  
 Sample : 01462-08  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 COMP-2

Quant Time: Feb 08 03:05:54 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG012723.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Feb 08 03:02:11 2023  
 Response via : Initial Calibration

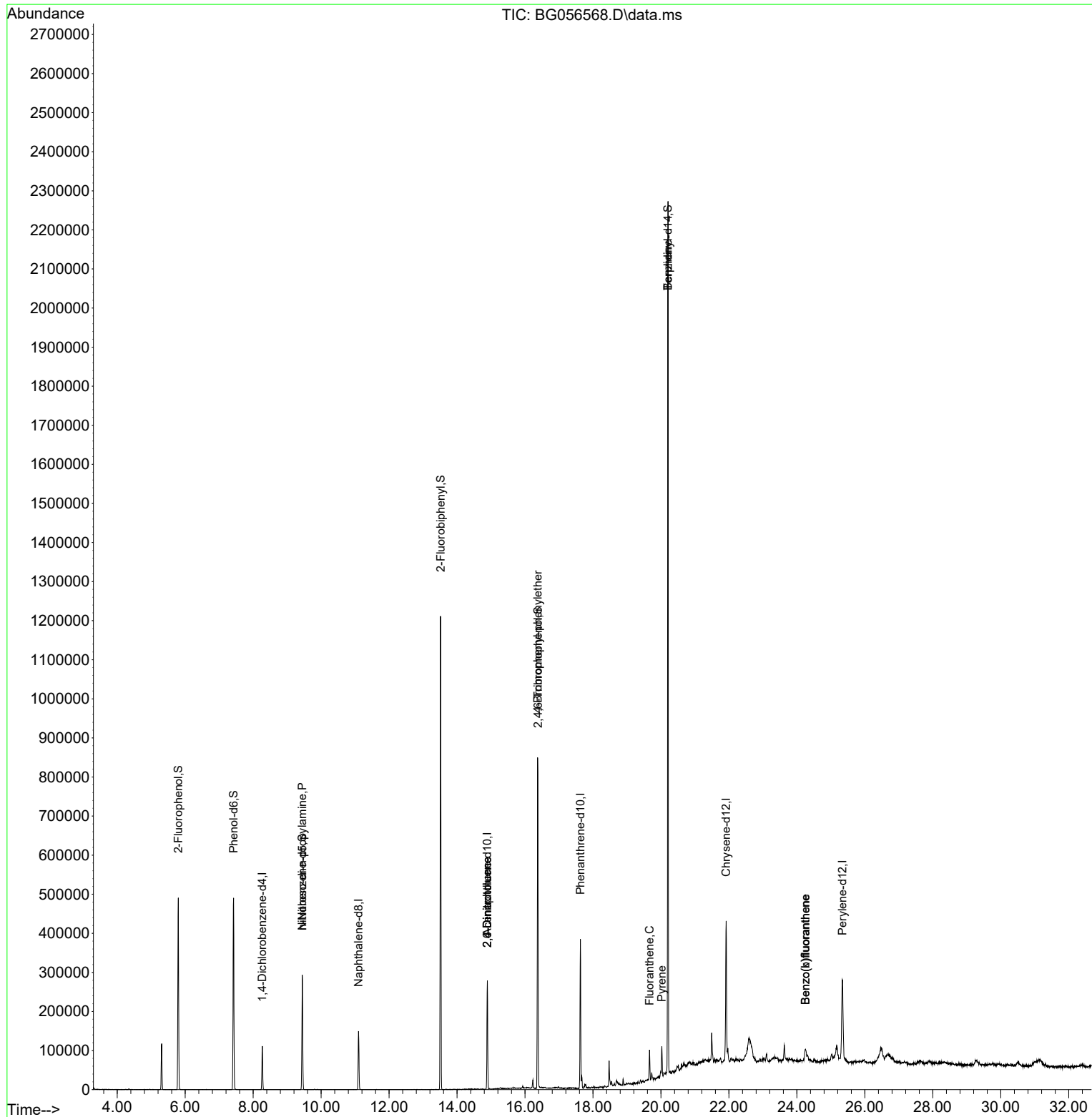
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.268  | 152  | 36995    | 20.000    | ng    | # 0.00   |
| 21) Naphthalene-d8            | 11.100 | 136  | 140085   | 20.000    | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.889 | 164  | 106975   | 20.000    | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.627 | 188  | 261051   | 20.000    | ng    | 0.00     |
| 76) Chrysene-d12              | 21.916 | 240  | 239399   | 20.000    | ng    | 0.00     |
| 86) Perylene-d12              | 25.336 | 264  | 261479   | 20.000    | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.794  | 112  | 282003   | 140.226   | ng    | 0.00     |
| 7) Phenol-d6                  | 7.422  | 99   | 383654   | 128.755   | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.443  | 82   | 202021   | 81.891    | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.376 | 330  | 183780   | 129.225   | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.515 | 172  | 668635   | 86.657    | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.207 | 244  | 1184612  | 86.910    | ng    | 0.00     |
| Target Compounds              |        |      |          |           |       |          |
|                               |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde               | 7.433  | 77   | 571      | Below Cal | #     | 1        |
| 19) n-Nitroso-di-n-propyla... | 9.443  | 70   | 24537    | 14.289    | ng    | # 75     |
| 51) 2,6-Dinitrotoluene        | 14.884 | 165  | 14776    | 7.829     | ng    | # 36     |
| 57) 2,4-Dinitrotoluene        | 14.884 | 165  | 14776    | 5.558     | ng    | # 35     |
| 67) 4-Bromophenyl-phenylether | 16.370 | 248  | 15052    | 4.504     | ng    | # 1      |
| 75) Fluoranthene              | 19.660 | 202  | 53669    | 3.112     | ng    | 98       |
| 77) Benzidine                 | 20.207 | 184  | 16173    | 2.496     | ng    | # 95     |
| 78) Pyrene                    | 20.025 | 202  | 52967    | 3.111     | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 24.249 | 252  | 38232    | 2.356     | ng    | # 93     |
| 89) Benzo(k)fluoranthene      | 24.249 | 252  | 38232    | 2.333     | ng    | # 92     |
| -----                         |        |      |          |           |       |          |

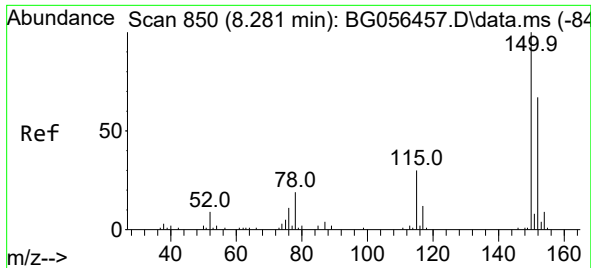
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG012723.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Feb 08 03:02:11 2023  
Response via : Initial Calibration

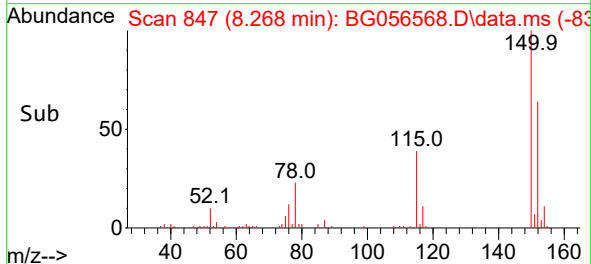
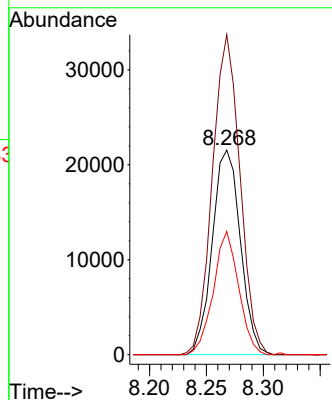
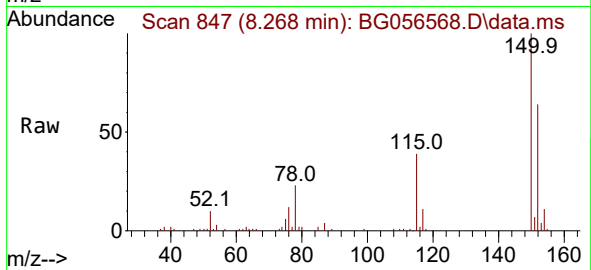




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.268 min Scan# 84  
Delta R.T. -0.001 min  
Lab File: BG056568.D  
Acq: 7 Feb 2023 15:18

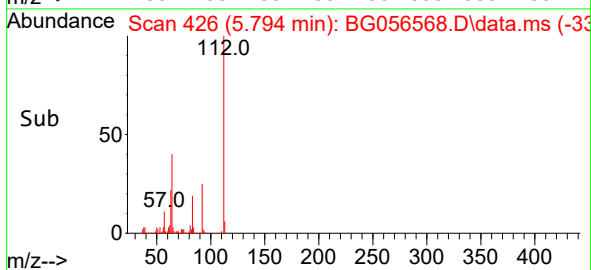
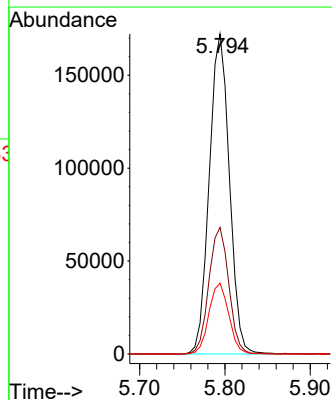
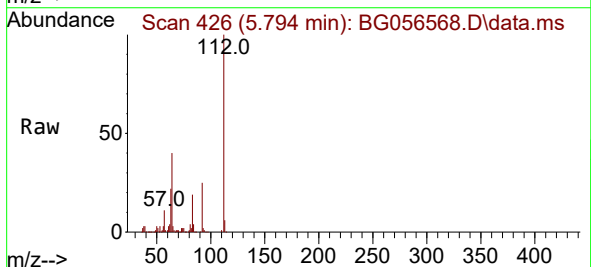
Instrument :  
BNA\_G  
ClientSampleId :  
COMP-2

Tgt Ion:152 Resp: 36995  
Ion Ratio Lower Upper  
152 100  
150 156.3 120.2 180.4  
115 60.2 36.3 54.5#



#5  
2-Fluorophenol  
Concen: 140.226 ng  
RT: 5.794 min Scan# 426  
Delta R.T. 0.004 min  
Lab File: BG056568.D  
Acq: 7 Feb 2023 15:18

Tgt Ion:112 Resp: 282003  
Ion Ratio Lower Upper  
112 100  
64 39.6 31.9 47.9  
63 22.1 17.4 26.0

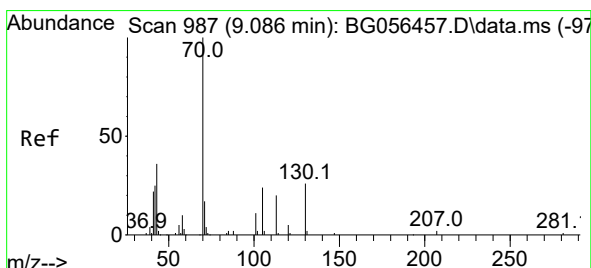
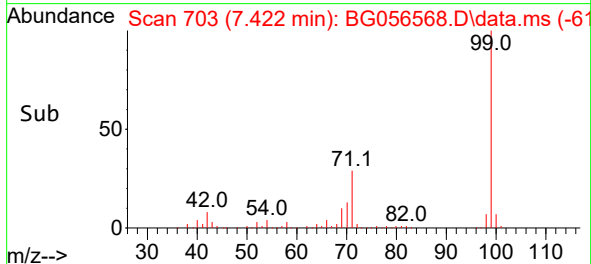
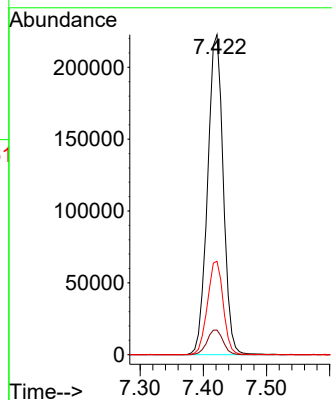
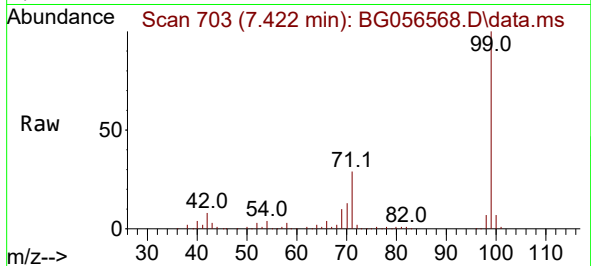




#7  
Phenol-d6  
Concen: 128.755 ng  
RT: 7.422 min Scan# 704  
Delta R.T. 0.004 min  
Lab File: BG056568.D  
Acq: 7 Feb 2023 15:18

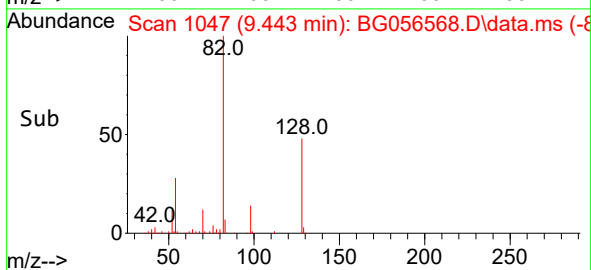
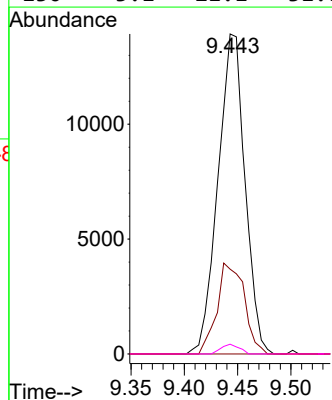
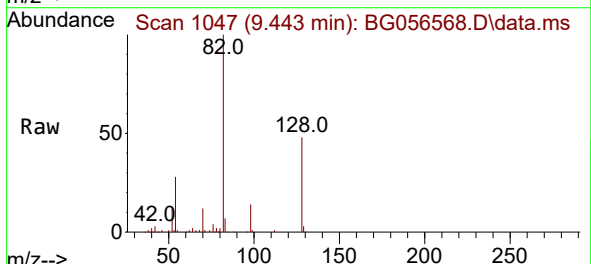
Instrument :  
BNA\_G  
ClientSampleId :  
COMP-2

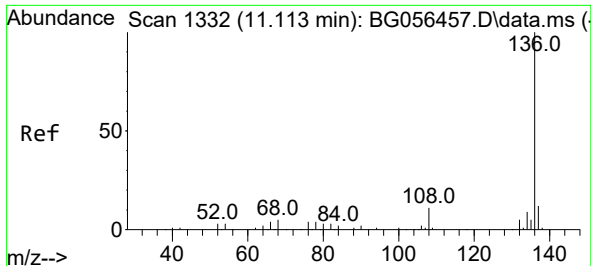
Tgt Ion: 99 Resp: 383654  
Ion Ratio Lower Upper  
99 100  
42 7.7 6.6 10.0  
71 29.2 23.4 35.0



#19  
n-Nitroso-di-n-propylamine  
Concen: 14.289 ng  
RT: 9.443 min Scan# 1047  
Delta R.T. 0.368 min  
Lab File: BG056568.D  
Acq: 7 Feb 2023 15:18

Tgt Ion: 70 Resp: 24537  
Ion Ratio Lower Upper  
70 100  
42 26.5 20.2 30.4  
101 0.0 9.1 13.7#  
130 3.1 21.1 31.7#

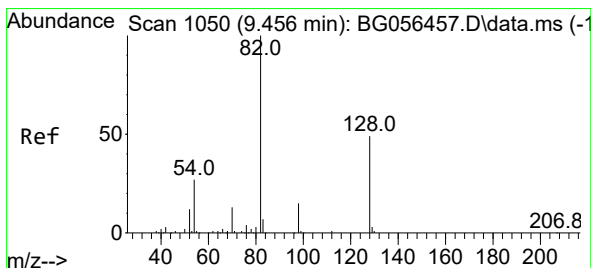
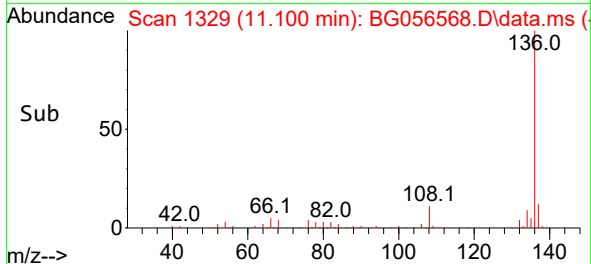
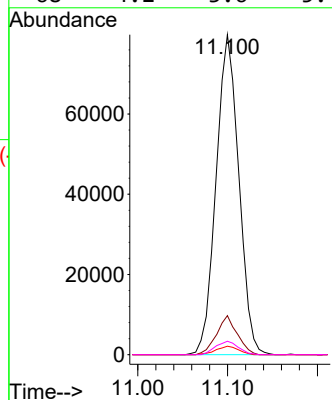
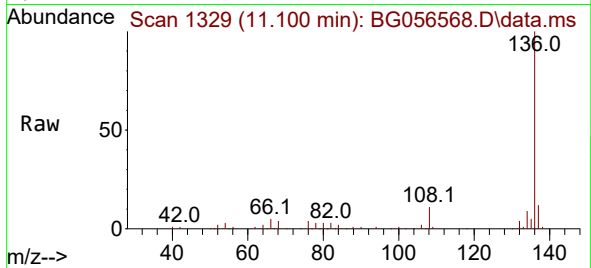




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.100 min Scan# 11  
Delta R.T. -0.002 min  
Lab File: BG056568.D  
Acq: 7 Feb 2023 15:18

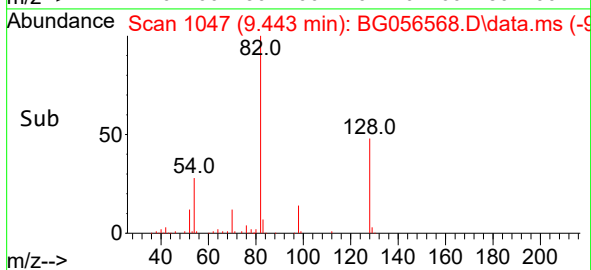
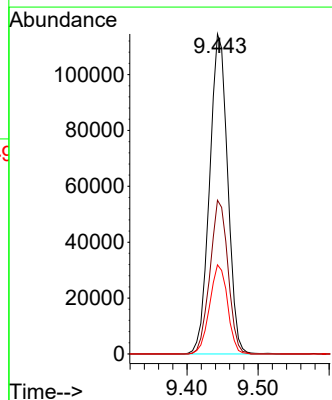
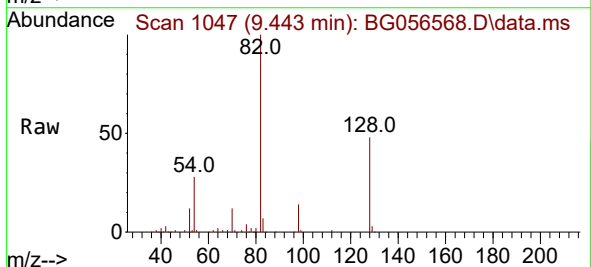
Instrument :  
BNA\_G  
ClientSampleId :  
COMP-2

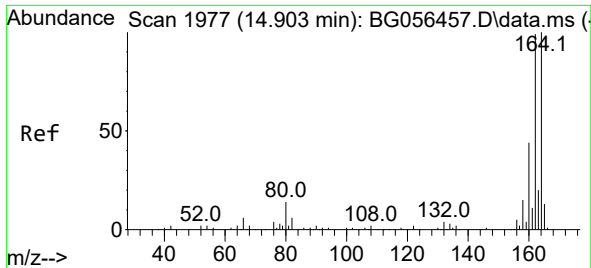
Tgt Ion:136 Resp: 140085  
Ion Ratio Lower Upper  
136 100  
137 12.2 9.4 14.0  
54 2.7 2.2 3.4  
68 4.2 3.6 5.4



#23  
Nitrobenzene-d5  
Concen: 81.891 ng  
RT: 9.443 min Scan# 1047  
Delta R.T. -0.002 min  
Lab File: BG056568.D  
Acq: 7 Feb 2023 15:18

Tgt Ion: 82 Resp: 202021  
Ion Ratio Lower Upper  
82 100  
128 48.1 39.4 59.2  
54 27.9 21.4 32.2

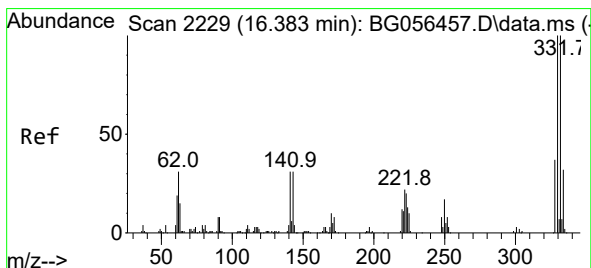
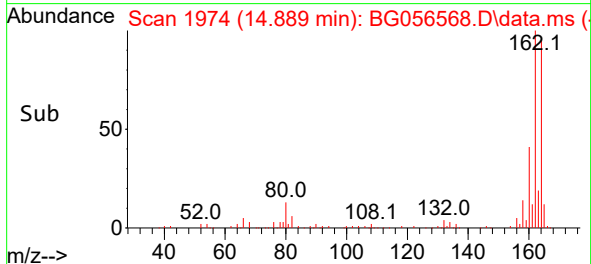
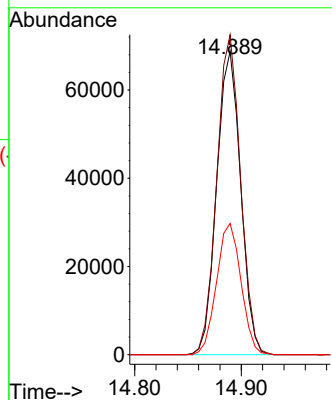
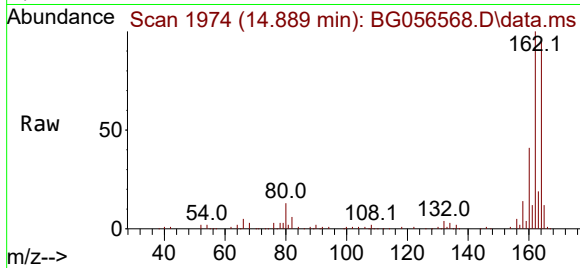




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.889 min Scan# 1977  
Delta R.T. -0.002 min  
Lab File: BG056568.D  
Acq: 7 Feb 2023 15:18

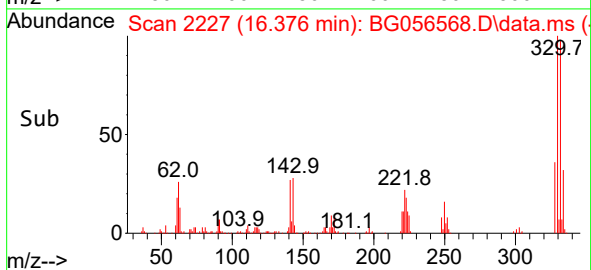
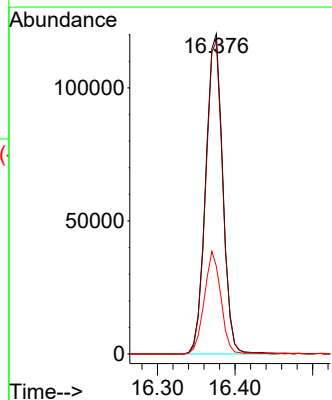
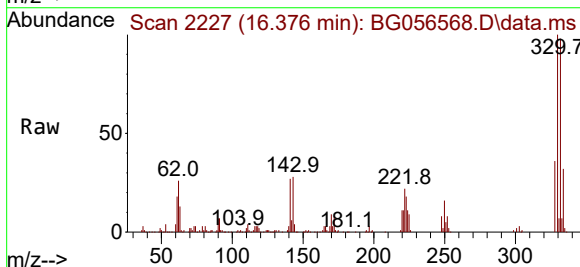
Instrument :  
BNA\_G  
ClientSampleId :  
COMP-2

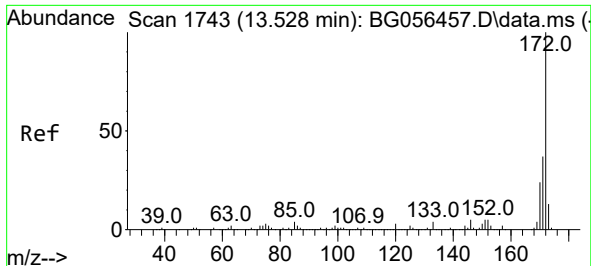
Tgt Ion:164 Resp: 106975  
Ion Ratio Lower Upper  
164 100  
162 105.5 79.6 119.4  
160 43.3 34.9 52.3



#42  
2,4,6-Tribromophenol  
Concen: 129.225 ng  
RT: 16.376 min Scan# 2227  
Delta R.T. -0.002 min  
Lab File: BG056568.D  
Acq: 7 Feb 2023 15:18

Tgt Ion:330 Resp: 183780  
Ion Ratio Lower Upper  
330 100  
332 97.5 79.0 118.6  
141 31.1 24.2 36.4

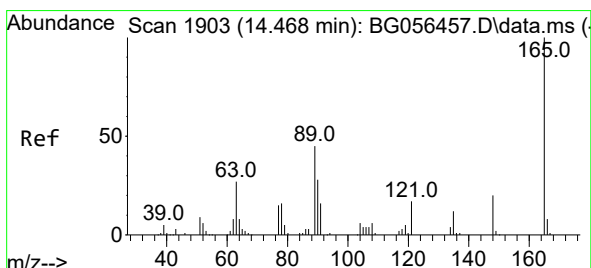
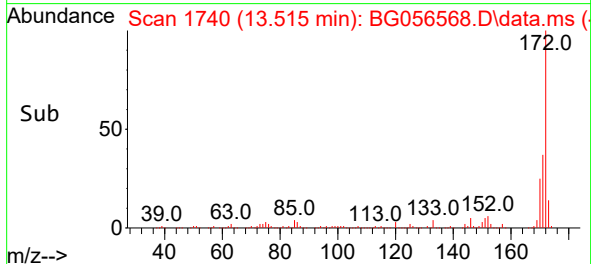
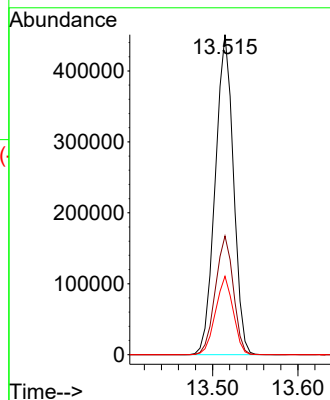
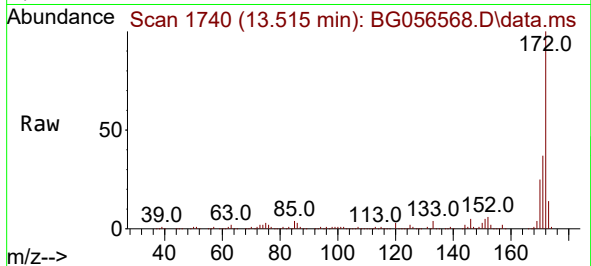




#45  
2-Fluorobiphenyl  
Concen: 86.657 ng  
RT: 13.515 min Scan# 11  
Delta R.T. -0.002 min  
Lab File: BG056568.D  
Acq: 7 Feb 2023 15:18

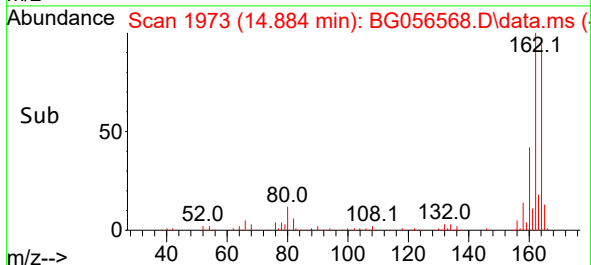
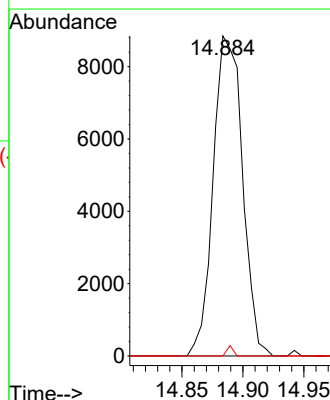
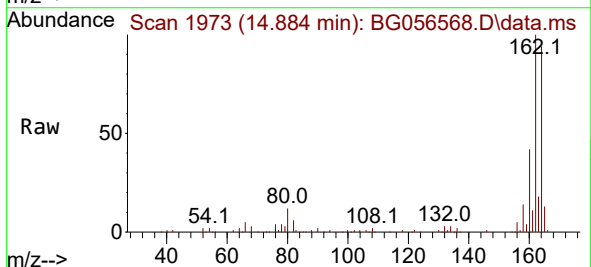
Instrument :  
BNA\_G  
ClientSampleId :  
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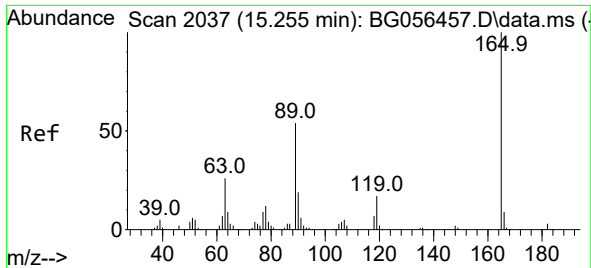
Tgt Ion:172 Resp: 668635  
Ion Ratio Lower Upper  
172 100  
171 37.1 29.5 44.3  
170 24.5 19.2 28.8



#51  
2,6-Dinitrotoluene  
Concen: 7.829 ng  
RT: 14.884 min Scan# 1973  
Delta R.T. 0.421 min  
Lab File: BG056568.D  
Acq: 7 Feb 2023 15:18

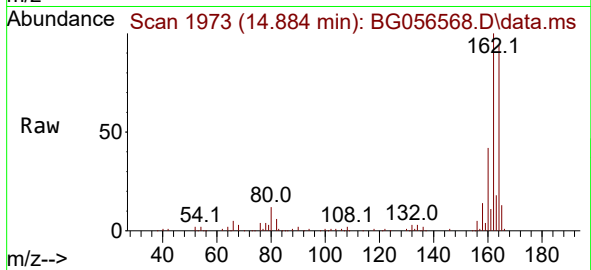
Tgt Ion:165 Resp: 14776  
Ion Ratio Lower Upper  
165 100  
63 0.0 26.9 40.3#  
89 0.0 35.6 53.4#



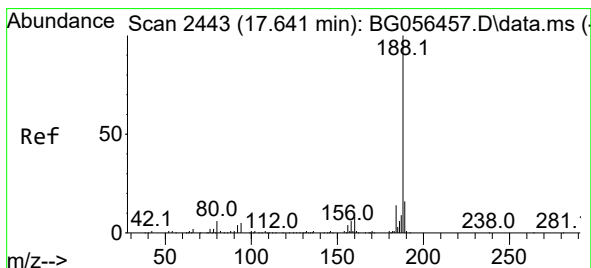
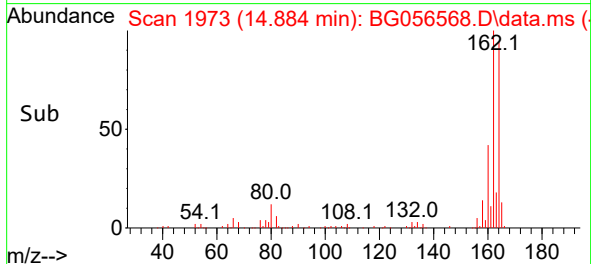
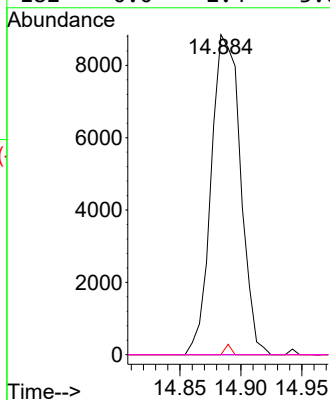


#57  
2,4-Dinitrotoluene  
Concen: 5.558 ng  
RT: 14.884 min Scan# 1973  
Delta R.T. -0.366 min  
Lab File: BG056568.D  
Acq: 7 Feb 2023 15:18

Instrument :  
BNA\_G  
ClientSampleId :  
COMP-2

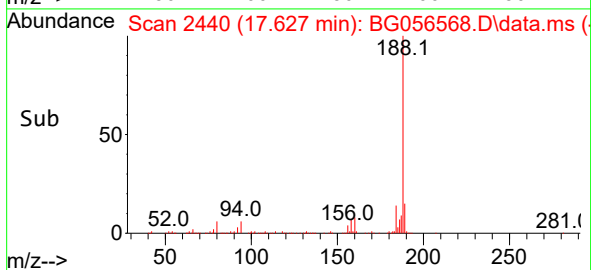
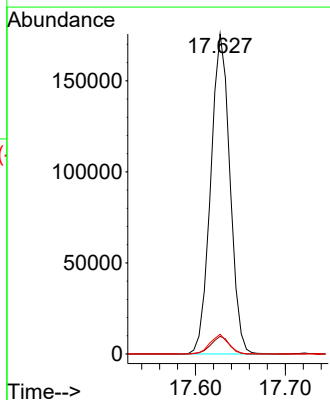
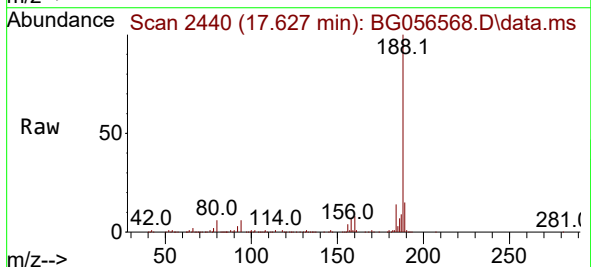


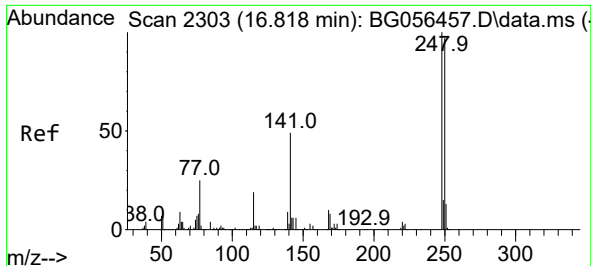
Tgt Ion:165 Resp: 14776  
Ion Ratio Lower Upper  
165 100  
63 0.0 20.6 31.0#  
89 0.0 43.1 64.7#  
182 0.0 2.4 3.6#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.627 min Scan# 2440  
Delta R.T. -0.002 min  
Lab File: BG056568.D  
Acq: 7 Feb 2023 15:18

Tgt Ion:188 Resp: 261051  
Ion Ratio Lower Upper  
188 100  
94 5.5 4.1 6.1  
80 6.2 5.0 7.4

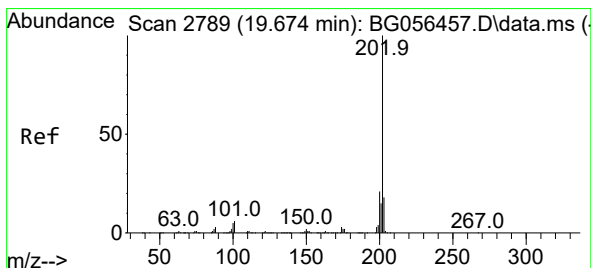
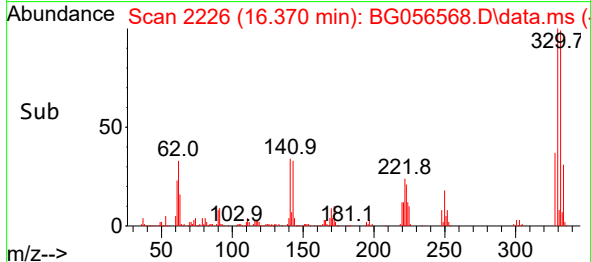
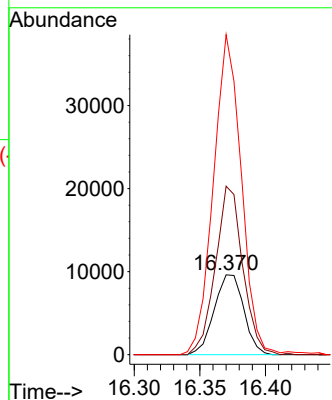
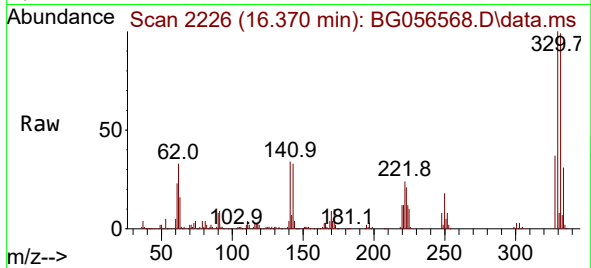




#67  
4-Bromophenyl-phenylether  
Concen: 4.504 ng  
RT: 16.370 min Scan# 21  
Delta R.T. -0.436 min  
Lab File: BG056568.D  
Acq: 7 Feb 2023 15:18

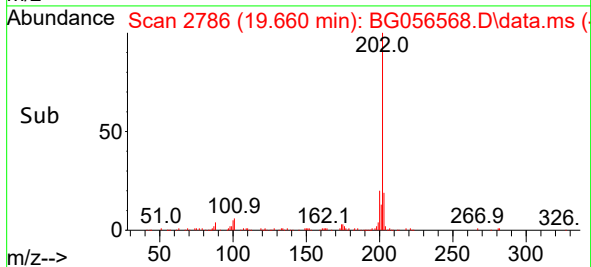
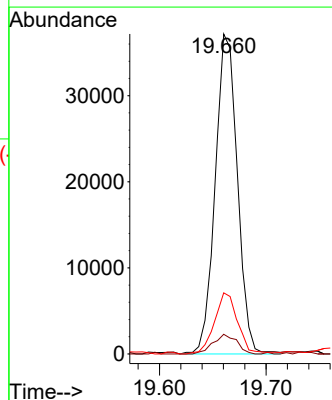
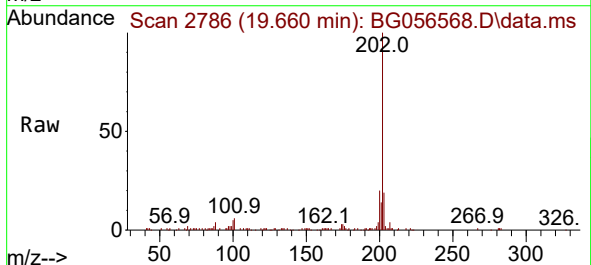
Instrument :  
BNA\_G  
ClientSampleId :  
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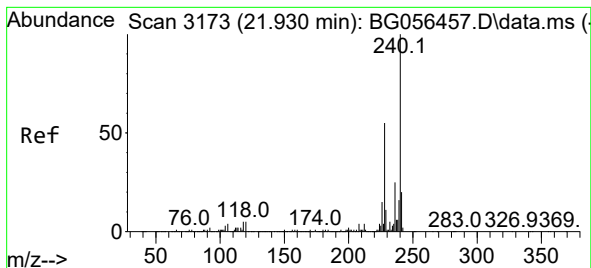
Tgt Ion:248 Resp: 15052  
Ion Ratio Lower Upper  
248 100  
250 210.9 77.6 116.4#  
141 400.7 39.0 58.4#



#75  
Fluoranthene  
Concen: 3.112 ng  
RT: 19.660 min Scan# 2786  
Delta R.T. -0.008 min  
Lab File: BG056568.D  
Acq: 7 Feb 2023 15:18

Tgt Ion:202 Resp: 53669  
Ion Ratio Lower Upper  
202 100  
101 6.2 0.0 25.6  
203 19.1 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.916 min Scan# 31

Delta R.T. -0.008 min

Lab File: BG056568.D

Acq: 7 Feb 2023 15:18

Instrument :

BNA\_G

ClientSampleId :

COMP-2

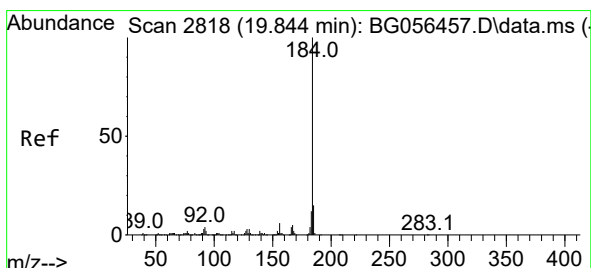
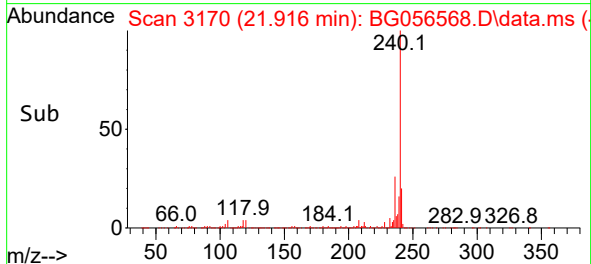
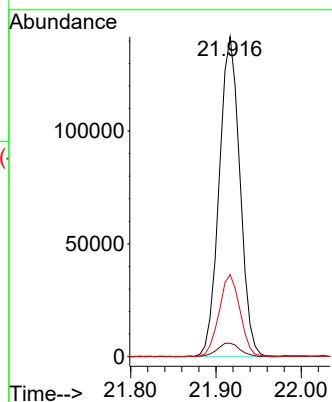
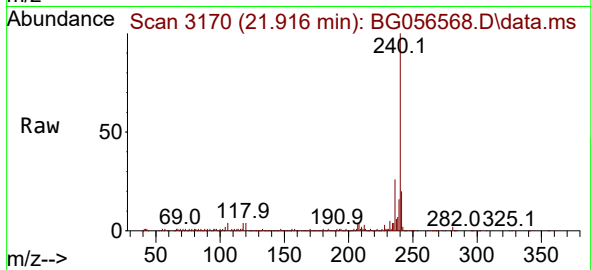
Tgt Ion:240 Resp: 239399

Ion Ratio Lower Upper

240 100

120 4.2 3.8 5.8

236 25.6 20.2 30.2



#77

Benzidine

Concen: 2.496 ng

RT: 20.207 min Scan# 2879

Delta R.T. 0.374 min

Lab File: BG056568.D

Acq: 7 Feb 2023 15:18

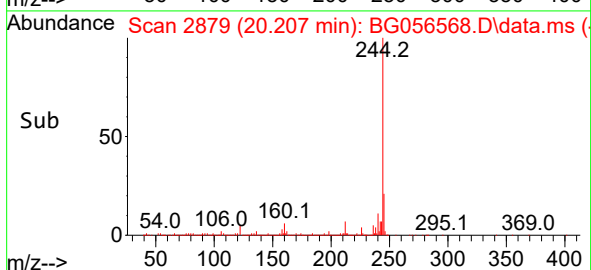
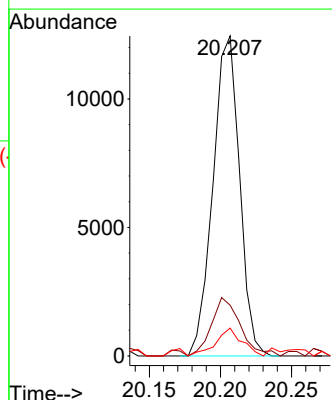
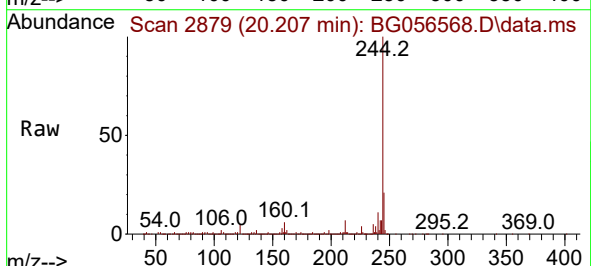
Tgt Ion:184 Resp: 16173

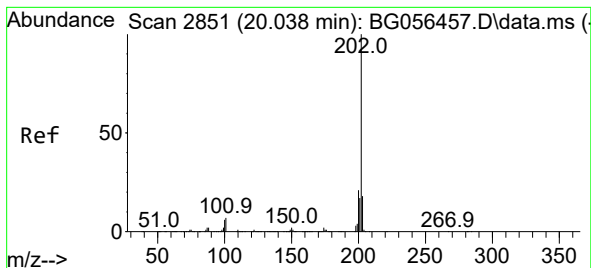
Ion Ratio Lower Upper

184 100

185 15.8 12.3 18.5

183 8.7 9.8 14.8#





#78

Pyrene

Concen: 3.111 ng

RT: 20.025 min Scan# 21

Delta R.T. -0.002 min

Lab File: BG056568.D

Acq: 7 Feb 2023 15:18

Instrument :

BNA\_G

ClientSampleId :

COMP-2

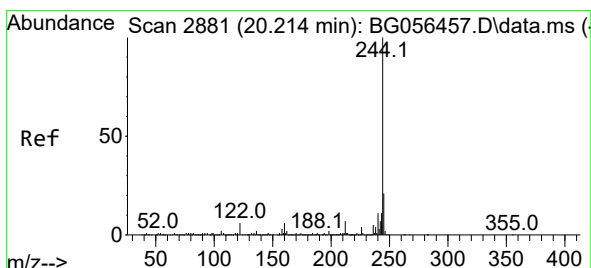
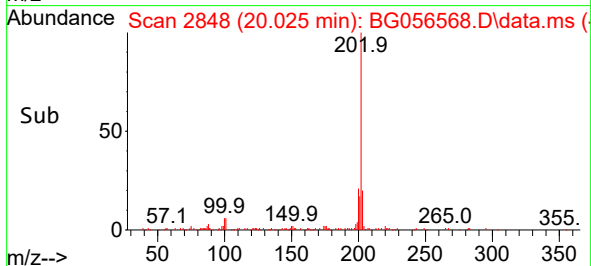
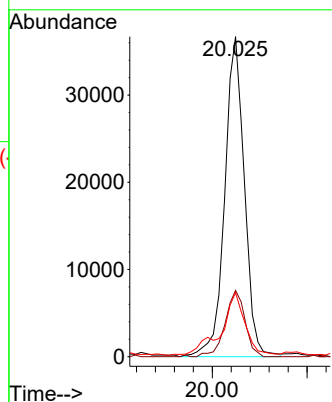
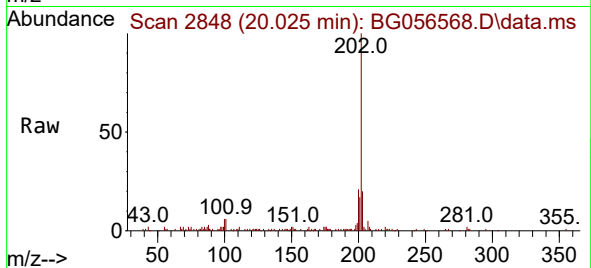
Tgt Ion:202 Resp: 52967

Ion Ratio Lower Upper

202 100

200 20.7 16.7 25.1

203 20.0 14.4 21.6



#79

Terphenyl-d14

Concen: 86.910 ng

RT: 20.207 min Scan# 2879

Delta R.T. -0.002 min

Lab File: BG056568.D

Acq: 7 Feb 2023 15:18

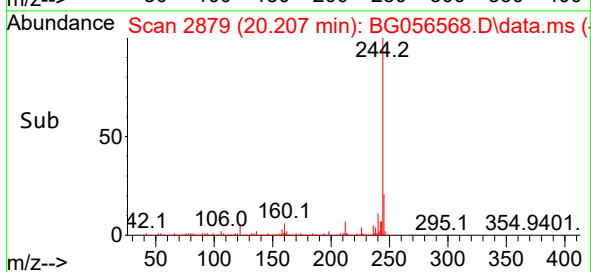
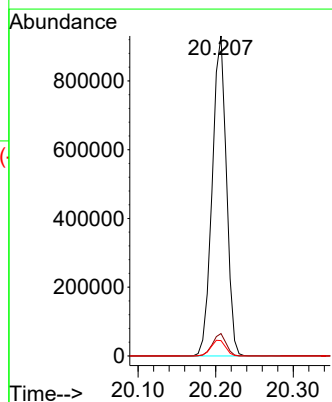
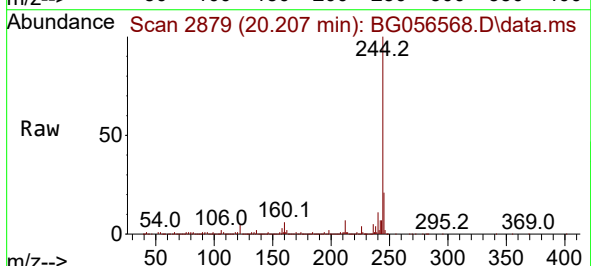
Tgt Ion:244 Resp: 1184612

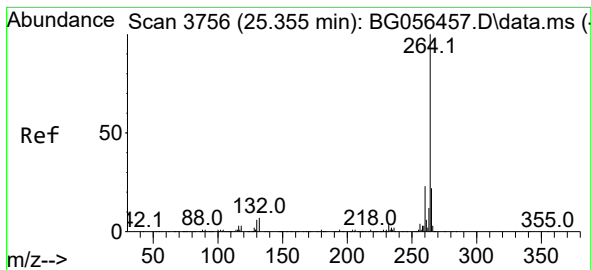
Ion Ratio Lower Upper

244 100

212 7.0 5.5 8.3

122 4.8 4.4 6.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.336 min Scan# 31

Delta R.T. -0.002 min

Lab File: BG056568.D

Acq: 7 Feb 2023 15:18

Instrument :

BNA\_G

ClientSampleId :

COMP-2

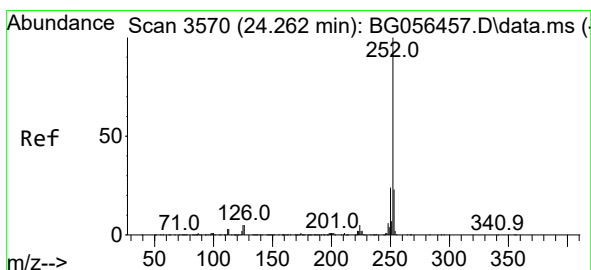
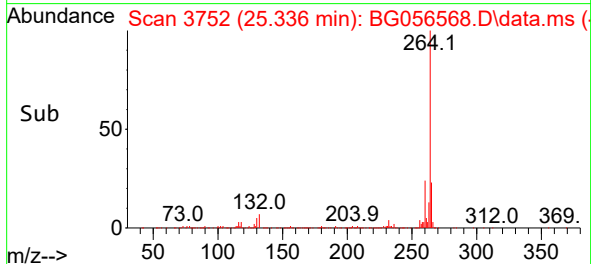
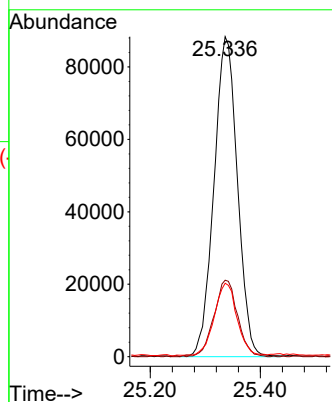
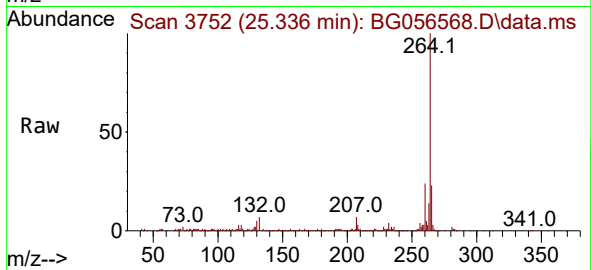
Tgt Ion:264 Resp: 261479

Ion Ratio Lower Upper

264 100

260 23.9 18.2 27.4

265 22.9 18.1 27.1



#88

Benzo(b)fluoranthene

Concen: 2.356 ng

RT: 24.249 min Scan# 3567

Delta R.T. -0.002 min

Lab File: BG056568.D

Acq: 7 Feb 2023 15:18

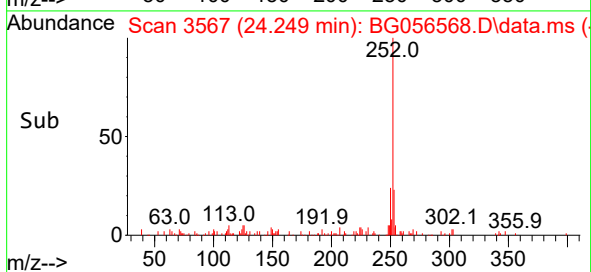
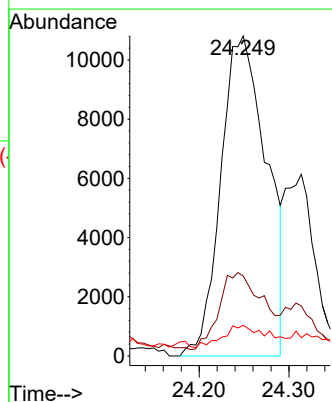
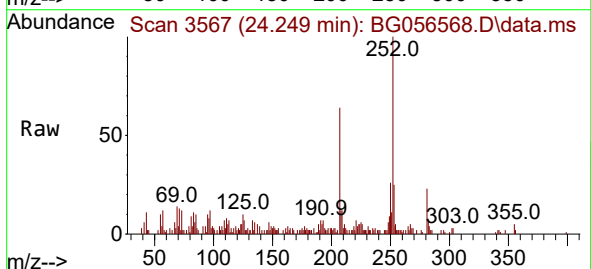
Tgt Ion:252 Resp: 38232

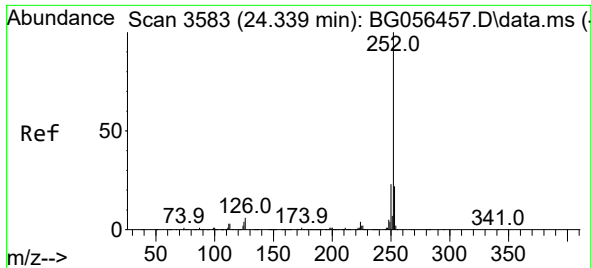
Ion Ratio Lower Upper

252 100

253 25.0 18.1 27.1

125 9.6 3.9 5.9#





#89

Benzo(k)fluoranthene

Concen: 2.333 ng

RT: 24.249 min Scan# 3

Delta R.T. -0.072 min

Lab File: BG056568.D

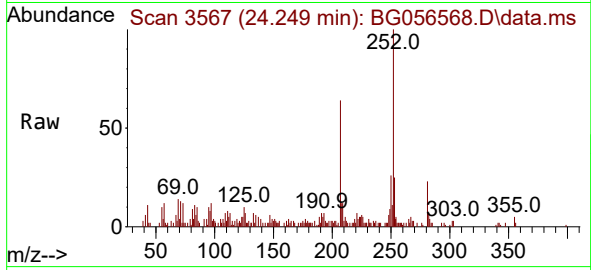
Acq: 7 Feb 2023 15:18

Instrument :

BNA\_G

ClientSampleId :

COMP-2



Tgt Ion:252 Resp: 38232

Ion Ratio Lower Upper

252 100

253 25.0 17.5 26.3

125 9.6 3.4 5.0#

