

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG113022\  
 Data File : BG055850.D  
 Acq On : 30 Nov 2022 20:35  
 Operator : CG/JU  
 Sample : N5806-01  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 COMP-1

Quant Time: Dec 01 02:14:52 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG111622.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 01 02:10:33 2022  
 Response via : Initial Calibration

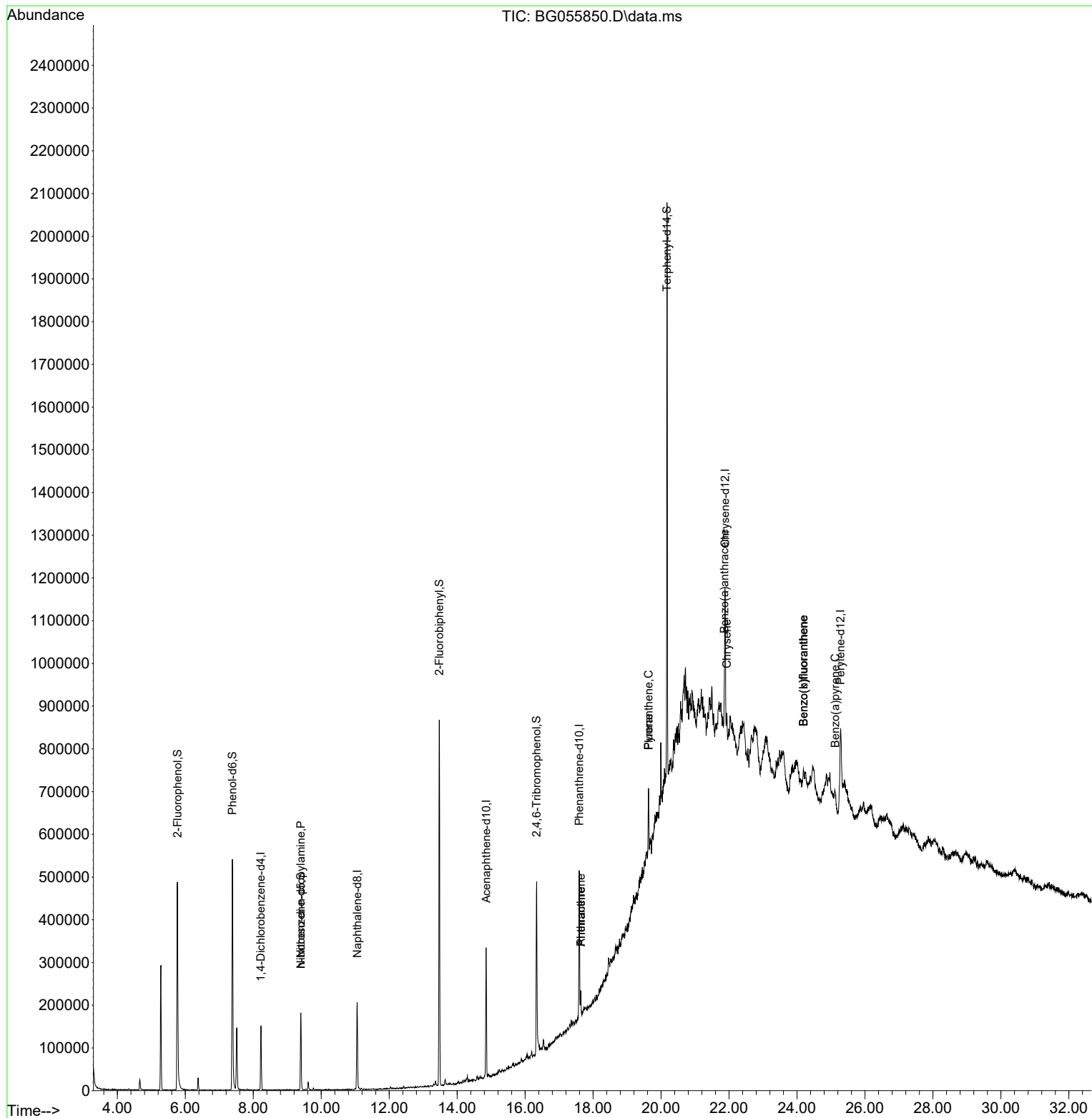
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.224  | 152  | 43057    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 11.056 | 136  | 172765   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.852 | 164  | 111012   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.589 | 188  | 228700   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.884 | 240  | 223379   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 25.280 | 264  | 229225   | 20.000  | ng    | 0.02     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.768  | 112  | 255732   | 107.355 | ng    | 0.02     |
| 7) Phenol-d6                  | 7.384  | 99   | 324884   | 102.456 | ng    | 0.01     |
| 23) Nitrobenzene-d5           | 9.399  | 82   | 104278   | 31.902  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.338 | 330  | 111527   | 71.346  | ng    | 0.01     |
| 45) 2-Fluorobiphenyl          | 13.477 | 172  | 468142   | 63.177  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.175 | 244  | 652772   | 58.449  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 9.399  | 70   | 14026    | 5.757   | ng    | # 78     |
| 71) Phenanthrene              | 17.636 | 178  | 34711    | 2.813   | ng    | 95       |
| 72) Anthracene                | 17.636 | 178  | 34711    | 2.895   | ng    | 94       |
| 75) Fluoranthene              | 19.634 | 202  | 85773    | 5.713   | ng    | 96       |
| 78) Pyrene                    | 19.634 | 202  | 85956    | 5.685   | ng    | 97       |
| 81) Benzo(a)anthracene        | 21.861 | 228  | 51888    | 3.373   | ng    | # 88     |
| 83) Chrysene                  | 21.931 | 228  | 49591    | 3.386   | ng    | # 87     |
| 88) Benzo(b)fluoranthene      | 24.194 | 252  | 64163    | 4.298   | ng    | # 74     |
| 89) Benzo(k)fluoranthene      | 24.194 | 252  | 64163    | 4.312   | ng    | # 74     |
| 90) Benzo(a)pyrene            | 25.122 | 252  | 48147    | 3.758   | ng    | # 71     |
| -----                         |        |      |          |         |       |          |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG113022\  
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Operator : CG/JU  
Sample : N5806-01  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
COMP-1

Quant Time: Dec 01 02:14:52 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG111622.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Dec 01 02:10:33 2022  
Response via : Initial Calibration

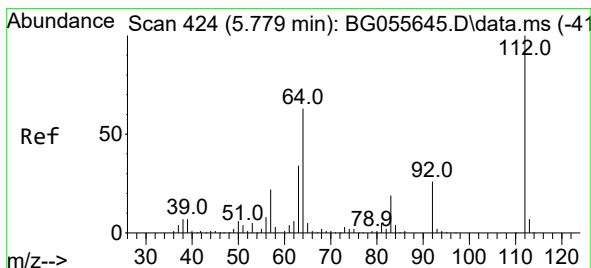
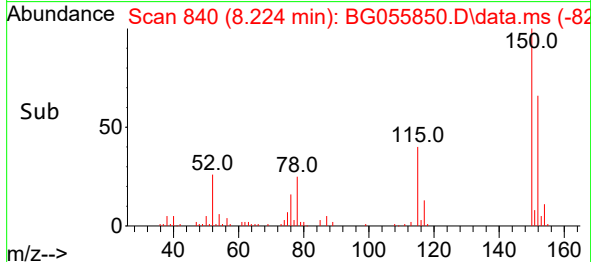
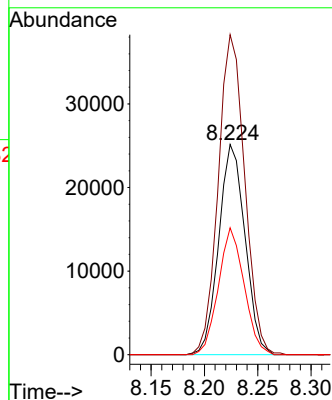
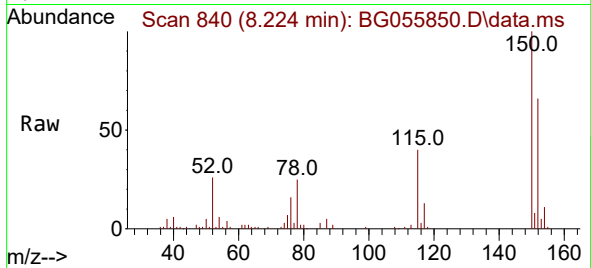




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.224 min Scan# 84  
Delta R.T. 0.005 min  
Lab File: BG055850.D  
Acq: 30 Nov 2022 20:35

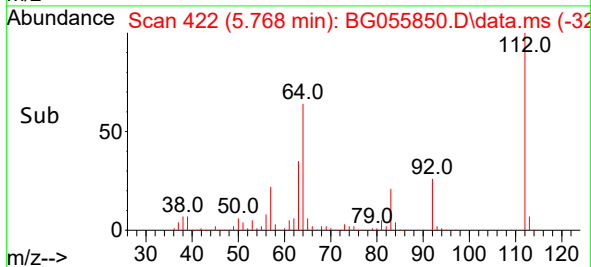
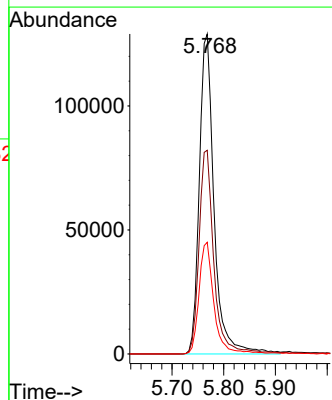
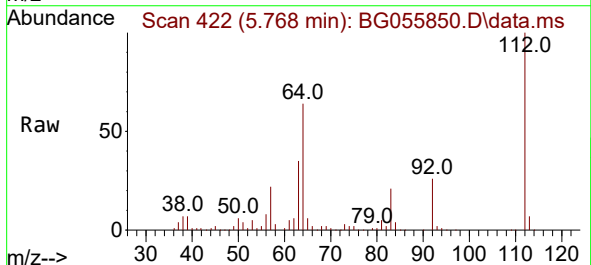
Instrument :  
BNA\_G  
ClientSampleId :  
COMP-1

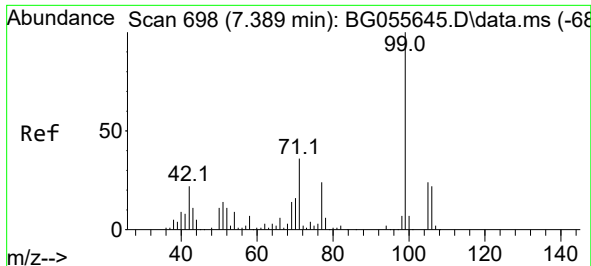
Tgt Ion:152 Resp: 43057  
Ion Ratio Lower Upper  
152 100  
150 152.2 123.0 184.6  
115 60.4 47.0 70.4



#5  
2-Fluorophenol  
Concen: 107.355 ng  
RT: 5.768 min Scan# 422  
Delta R.T. 0.016 min  
Lab File: BG055850.D  
Acq: 30 Nov 2022 20:35

Tgt Ion:112 Resp: 255732  
Ion Ratio Lower Upper  
112 100  
64 63.6 50.6 76.0  
63 34.9 27.5 41.3

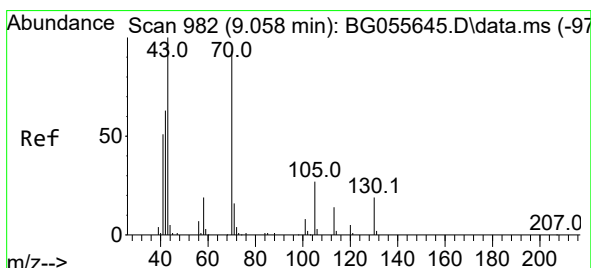
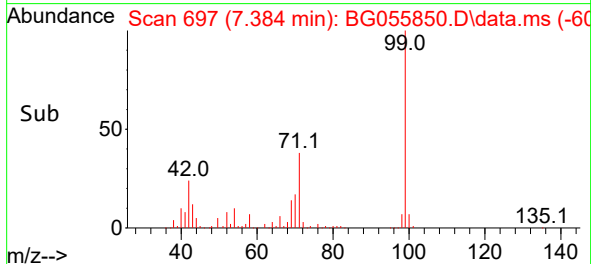
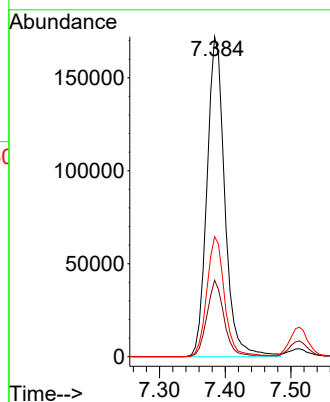
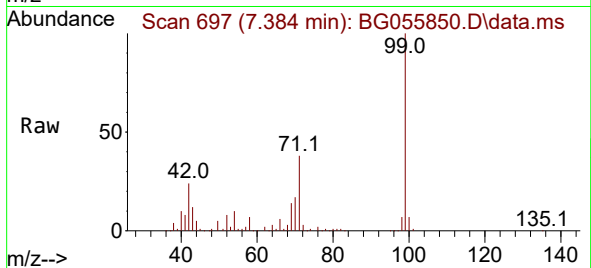




#7  
Phenol-d6  
Concen: 102.456 ng  
RT: 7.384 min Scan# 698  
Delta R.T. 0.011 min  
Lab File: BG055850.D  
Acq: 30 Nov 2022 20:35

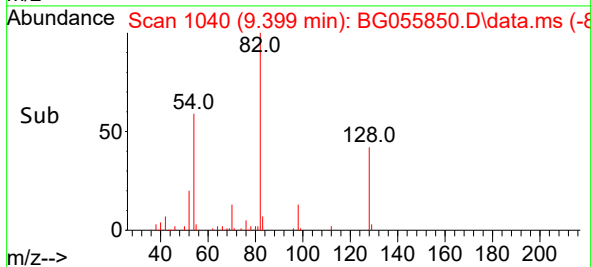
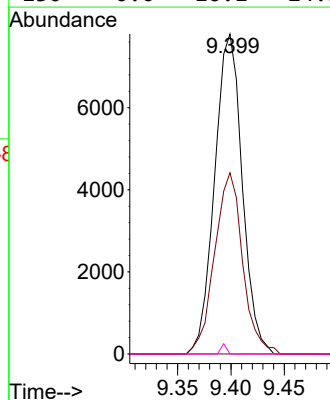
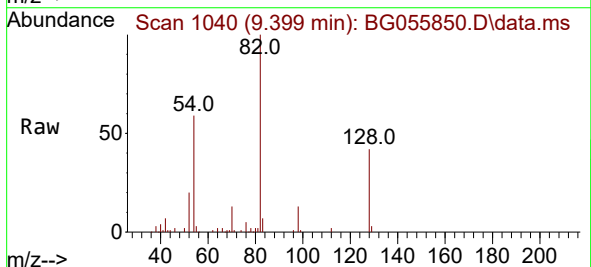
Instrument :  
BNA\_G  
ClientSampleId :  
COMP-1

Tgt Ion: 99 Resp: 324884  
Ion Ratio Lower Upper  
99 100  
42 23.9 18.0 27.0  
71 37.5 29.0 43.6



#19  
n-Nitroso-di-n-propylamine  
Concen: 5.757 ng  
RT: 9.399 min Scan# 1040  
Delta R.T. 0.375 min  
Lab File: BG055850.D  
Acq: 30 Nov 2022 20:35

Tgt Ion: 70 Resp: 14026  
Ion Ratio Lower Upper  
70 100  
42 56.6 55.2 82.8  
101 0.0 7.1 10.7#  
130 0.0 16.1 24.1#

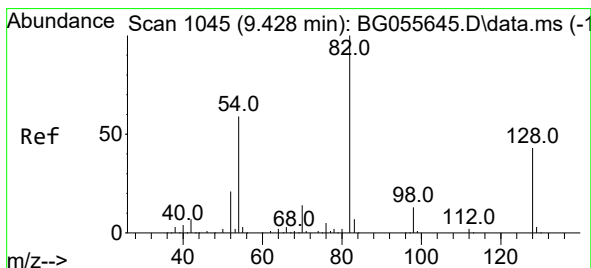
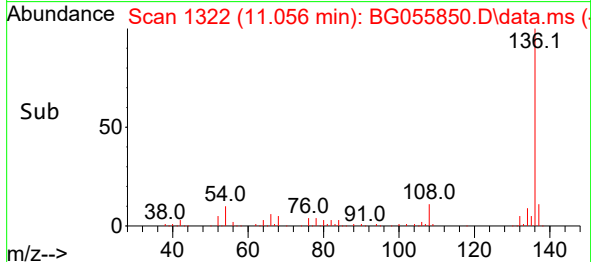
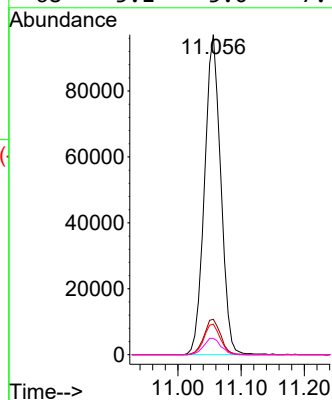
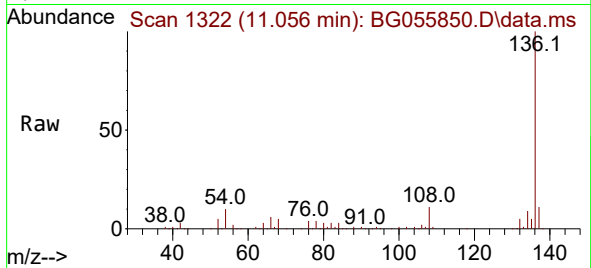




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.056 min Scan# 11  
Delta R.T. 0.005 min  
Lab File: BG055850.D  
Acq: 30 Nov 2022 20:35

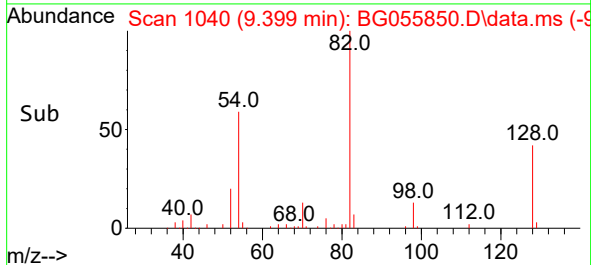
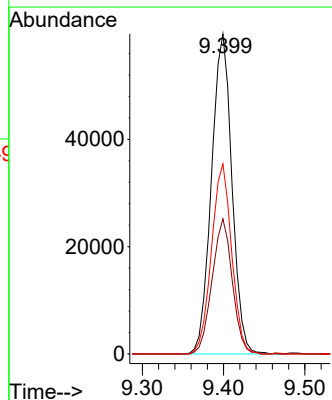
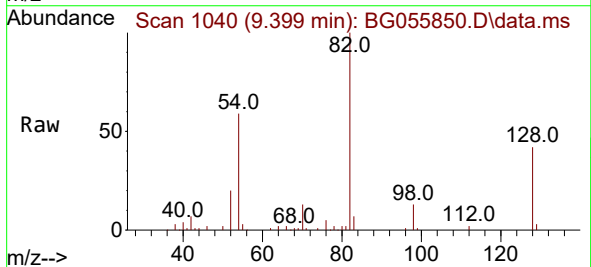
Instrument :  
BNA\_G  
ClientSampleId :  
COMP-1

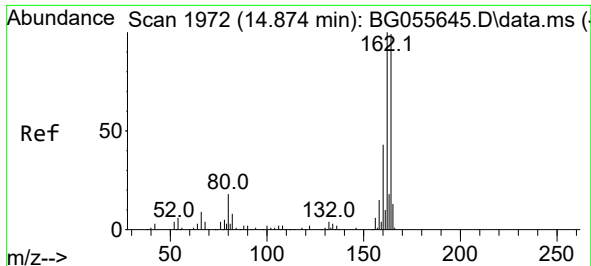
Tgt Ion:136 Resp: 172765  
Ion Ratio Lower Upper  
136 100  
137 11.1 9.0 13.6  
54 9.5 7.8 11.6  
68 5.1 5.0 7.4



#23  
Nitrobenzene-d5  
Concen: 31.902 ng  
RT: 9.399 min Scan# 1040  
Delta R.T. 0.005 min  
Lab File: BG055850.D  
Acq: 30 Nov 2022 20:35

Tgt Ion: 82 Resp: 104278  
Ion Ratio Lower Upper  
82 100  
128 42.2 34.1 51.1  
54 59.4 47.3 70.9

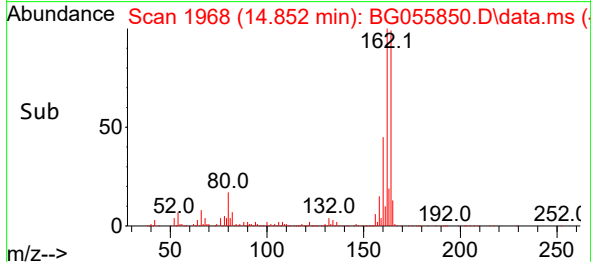
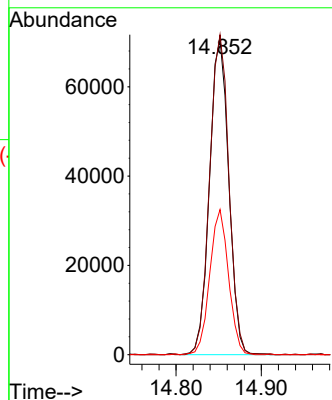
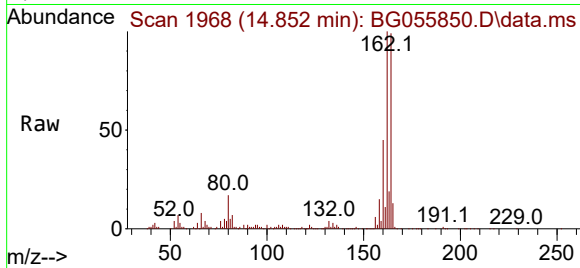




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.852 min Scan# 1972  
Delta R.T. 0.005 min  
Lab File: BG055850.D  
Acq: 30 Nov 2022 20:35

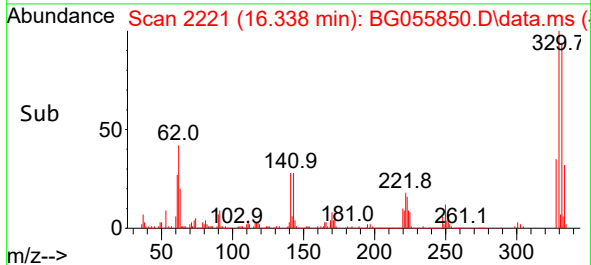
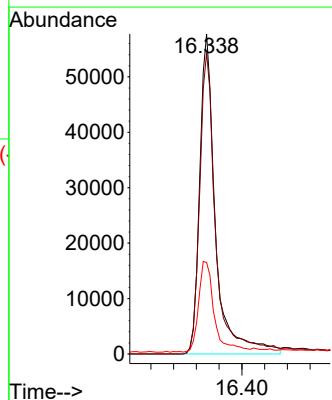
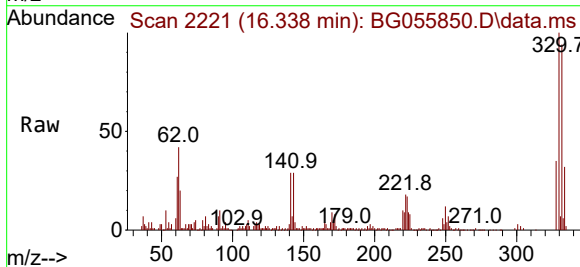
Instrument :  
BNA\_G  
ClientSampleId :  
COMP-1

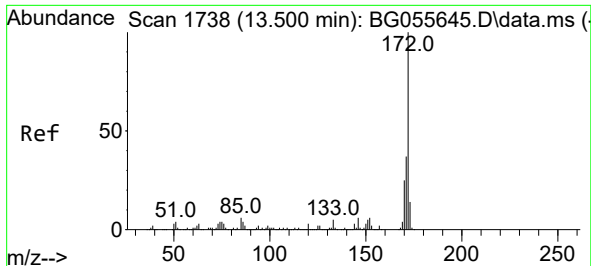
Tgt Ion:164 Resp: 111012  
Ion Ratio Lower Upper  
164 100  
162 101.5 81.1 121.7  
160 46.0 34.8 52.2



#42  
2,4,6-Tribromophenol  
Concen: 71.346 ng  
RT: 16.338 min Scan# 2221  
Delta R.T. 0.011 min  
Lab File: BG055850.D  
Acq: 30 Nov 2022 20:35

Tgt Ion:330 Resp: 111527  
Ion Ratio Lower Upper  
330 100  
332 98.8 77.8 116.8  
141 28.1 23.9 35.9

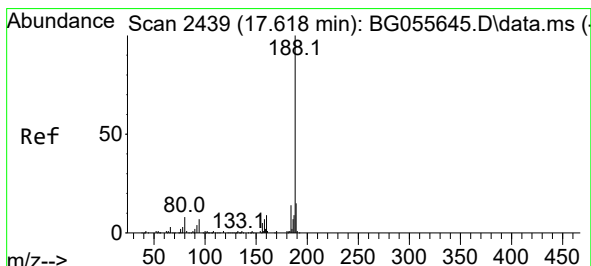
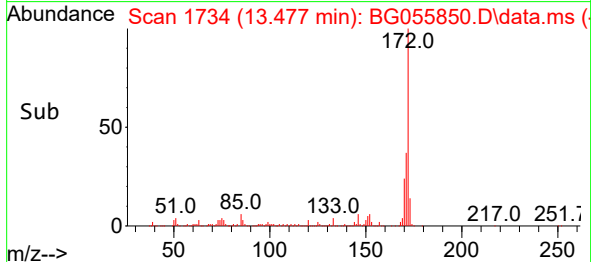
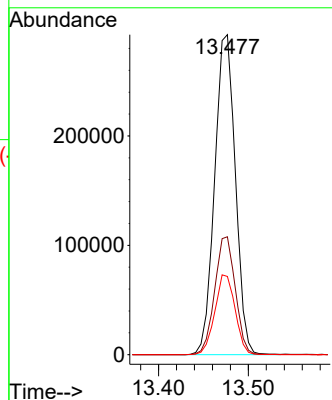
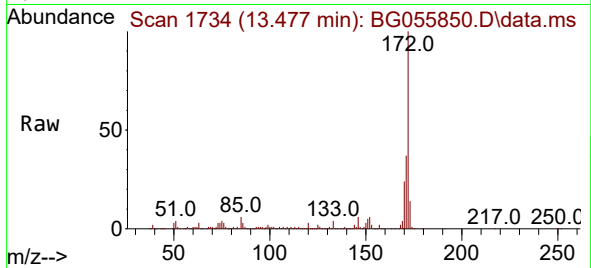




#45  
2-Fluorobiphenyl  
Concen: 63.177 ng  
RT: 13.477 min Scan# 11  
Delta R.T. 0.005 min  
Lab File: BG055850.D  
Acq: 30 Nov 2022 20:35

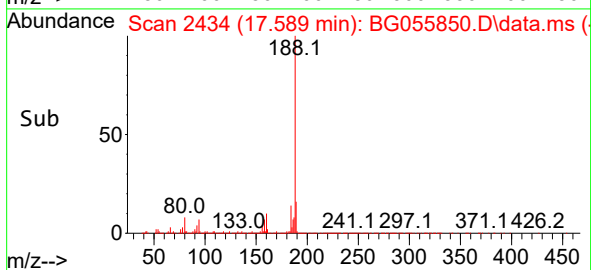
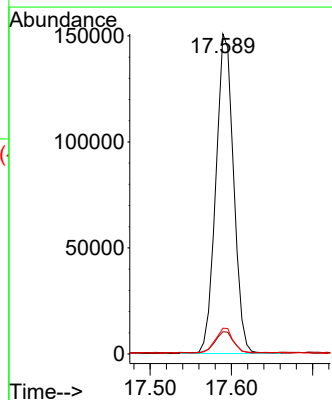
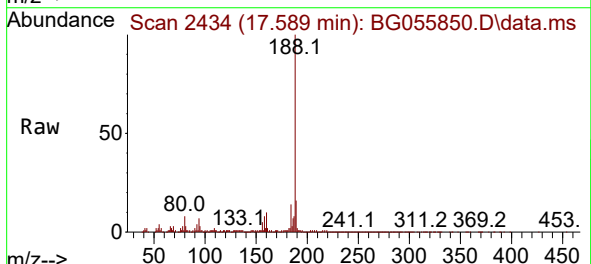
Instrument :  
BNA\_G  
ClientSampleId :  
COMP-1

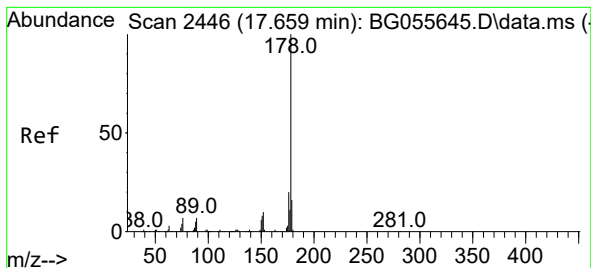
Tgt Ion:172 Resp: 468142  
Ion Ratio Lower Upper  
172 100  
171 36.9 29.8 44.6  
170 24.5 20.2 30.4



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.589 min Scan# 2434  
Delta R.T. 0.005 min  
Lab File: BG055850.D  
Acq: 30 Nov 2022 20:35

Tgt Ion:188 Resp: 228700  
Ion Ratio Lower Upper  
188 100  
94 6.9 5.4 8.2  
80 8.1 6.6 10.0





#71

Phenanthrene

Concen: 2.813 ng

RT: 17.636 min Scan# 2442

Delta R.T. 0.011 min

Lab File: BG055850.D

Acq: 30 Nov 2022 20:35

Instrument :

BNA\_G

ClientSampleId :

COMP-1

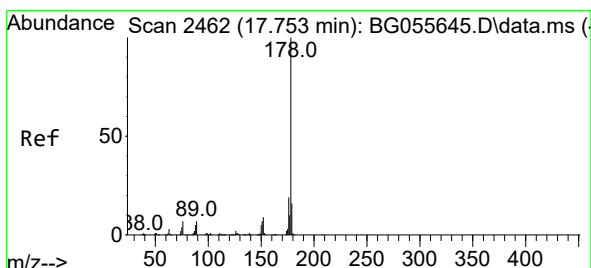
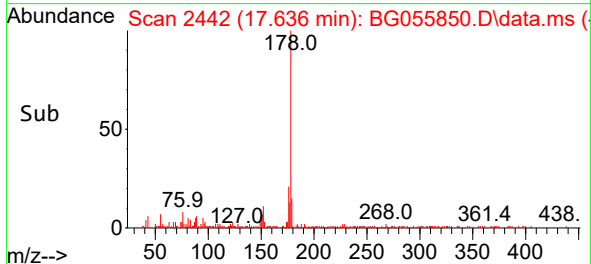
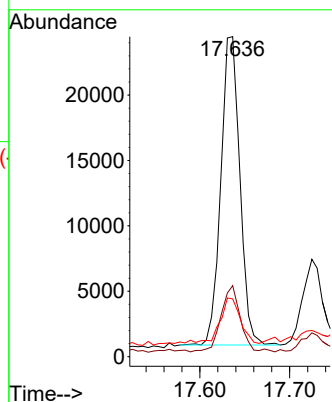
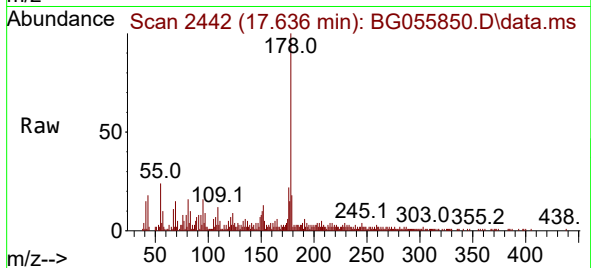
Tgt Ion:178 Resp: 34711

Ion Ratio Lower Upper

178 100

176 22.2 16.0 24.0

179 18.1 12.7 19.1



#72

Anthracene

Concen: 2.895 ng

RT: 17.636 min Scan# 2442

Delta R.T. -0.083 min

Lab File: BG055850.D

Acq: 30 Nov 2022 20:35

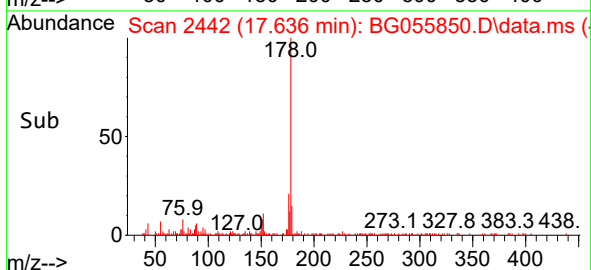
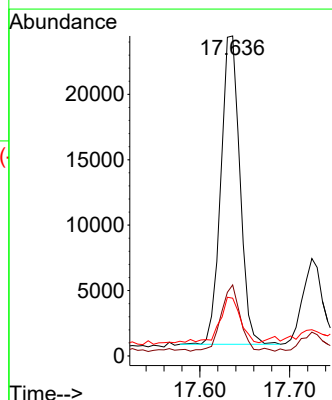
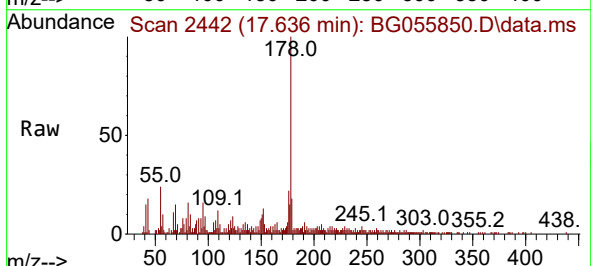
Tgt Ion:178 Resp: 34711

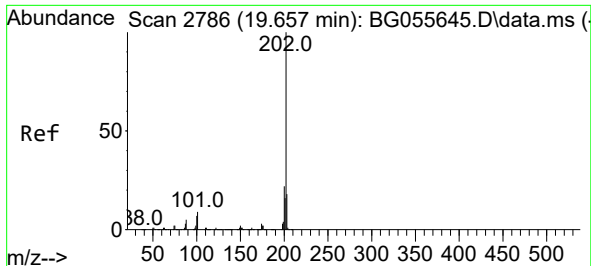
Ion Ratio Lower Upper

178 100

176 22.2 15.5 23.3

179 18.1 12.5 18.7

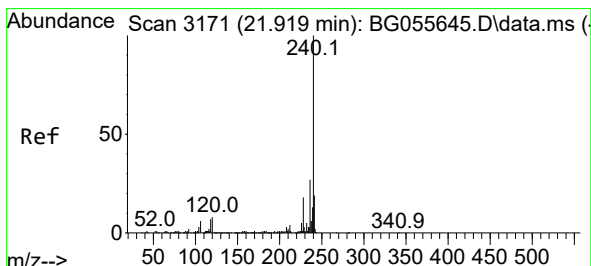
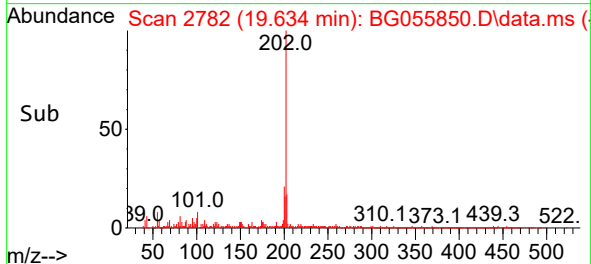
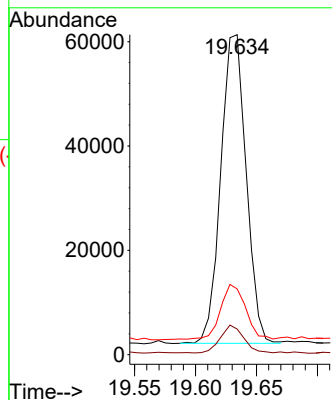
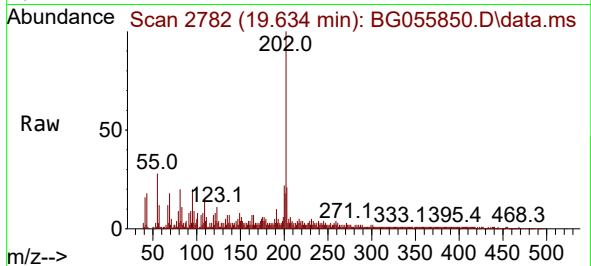




#75  
Fluoranthene  
Concen: 5.713 ng  
RT: 19.634 min Scan# 21  
Delta R.T. 0.011 min  
Lab File: BG055850.D  
Acq: 30 Nov 2022 20:35

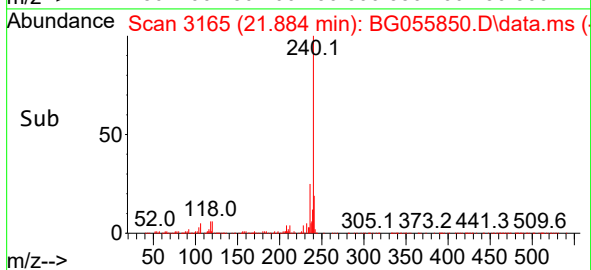
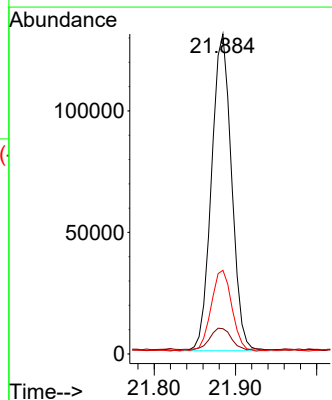
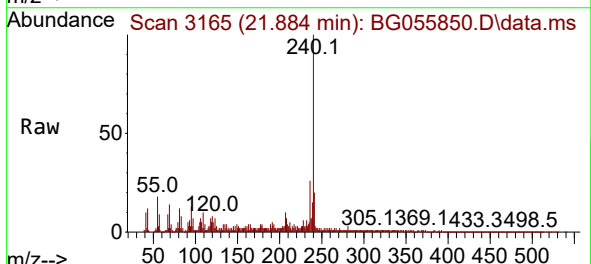
Instrument :  
BNA\_G  
ClientSampleId :  
COMP-1

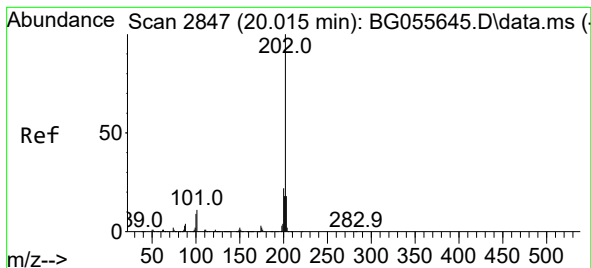
Tgt Ion:202 Resp: 85773  
Ion Ratio Lower Upper  
202 100  
101 8.0 0.0 28.8  
203 20.5 0.0 38.1



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.884 min Scan# 3165  
Delta R.T. 0.005 min  
Lab File: BG055850.D  
Acq: 30 Nov 2022 20:35

Tgt Ion:240 Resp: 223379  
Ion Ratio Lower Upper  
240 100  
120 7.9 6.3 9.5  
236 26.2 21.9 32.9





#78

Pyrene

Concen: 5.685 ng

RT: 19.634 min Scan# 21

Delta R.T. -0.354 min

Lab File: BG055850.D

Acq: 30 Nov 2022 20:35

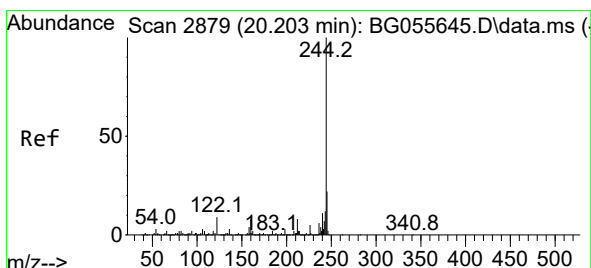
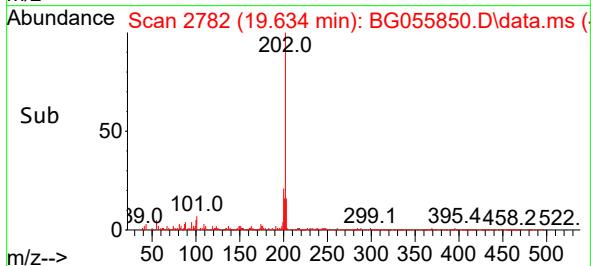
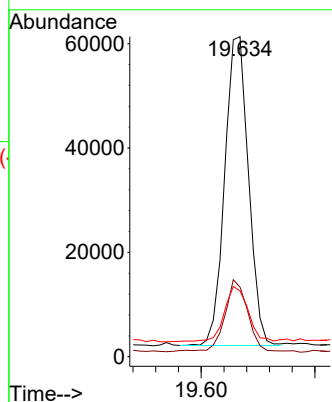
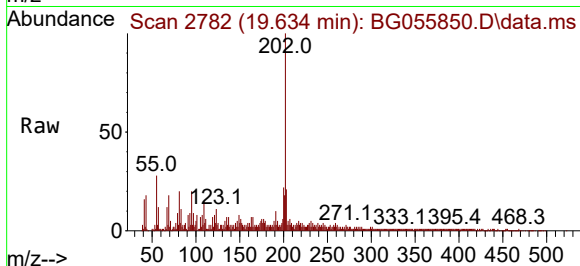
Instrument :

BNA\_G

ClientSampleId :

COMP-1

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:202 | Resp: | 85956     |
| Ion Ratio   | Lower | Upper     |
| 202         | 100   |           |
| 200         | 21.8  | 17.8 26.6 |
| 203         | 20.5  | 14.4 21.6 |



#79

Terphenyl-d14

Concen: 58.449 ng

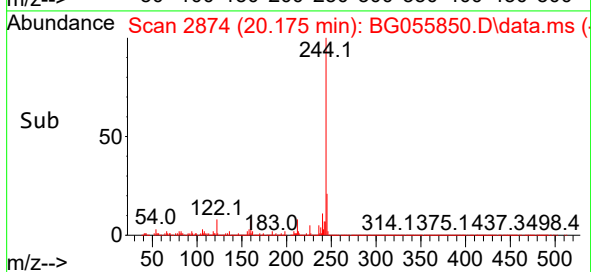
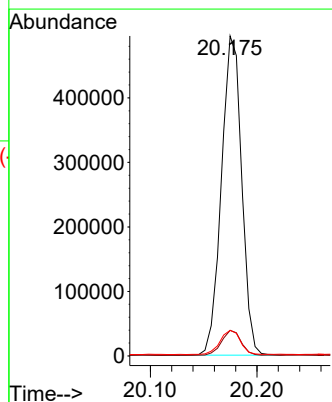
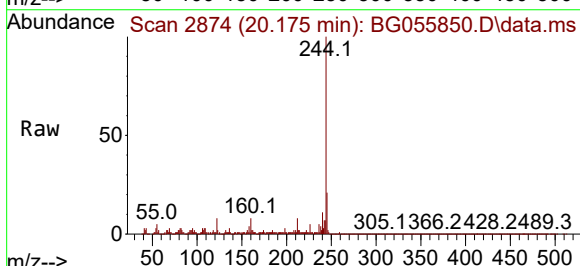
RT: 20.175 min Scan# 2874

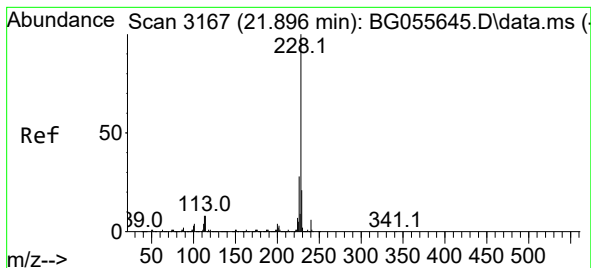
Delta R.T. 0.005 min

Lab File: BG055850.D

Acq: 30 Nov 2022 20:35

|             |       |          |
|-------------|-------|----------|
| Tgt Ion:244 | Resp: | 652772   |
| Ion Ratio   | Lower | Upper    |
| 244         | 100   |          |
| 212         | 8.0   | 6.3 9.5  |
| 122         | 8.0   | 6.9 10.3 |





#81

Benzo(a)anthracene

Concen: 3.373 ng

RT: 21.861 min Scan# 3161

Delta R.T. 0.005 min

Lab File: BG055850.D

Acq: 30 Nov 2022 20:35

Instrument :

BNA\_G

ClientSampleId :

COMP-1

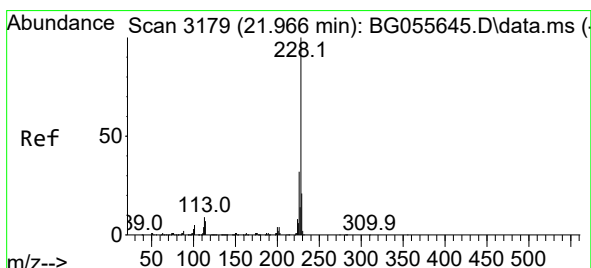
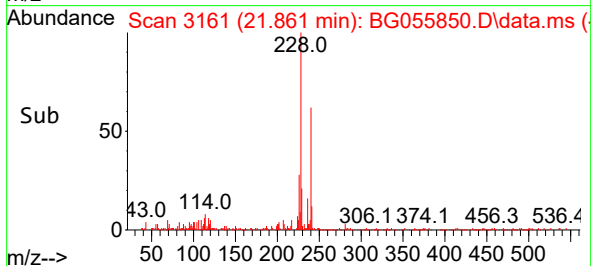
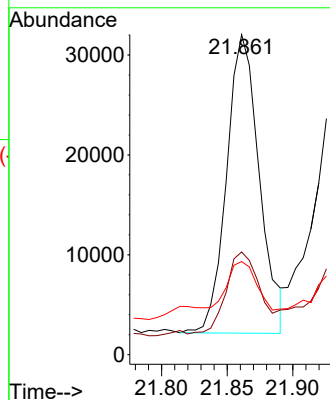
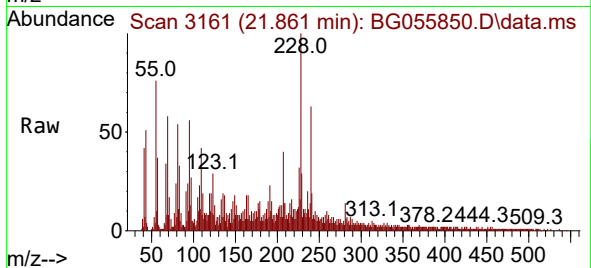
Tgt Ion:228 Resp: 51888

Ion Ratio Lower Upper

228 100

226 32.1 22.7 34.1

229 29.1 16.5 24.7#



#83

Chrysene

Concen: 3.386 ng

RT: 21.931 min Scan# 3173

Delta R.T. 0.005 min

Lab File: BG055850.D

Acq: 30 Nov 2022 20:35

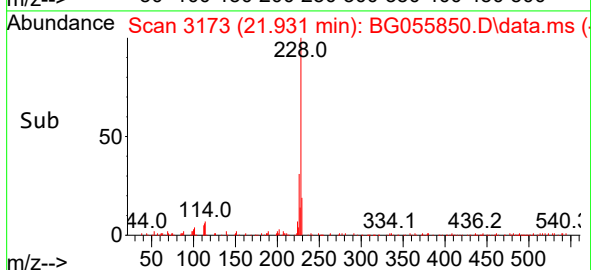
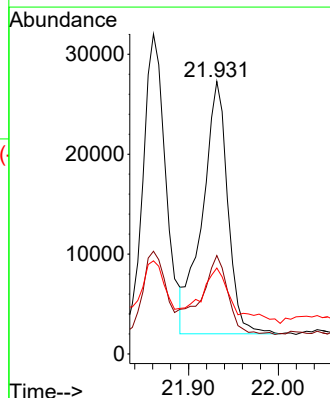
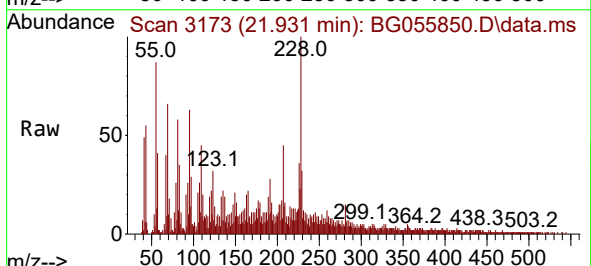
Tgt Ion:228 Resp: 49591

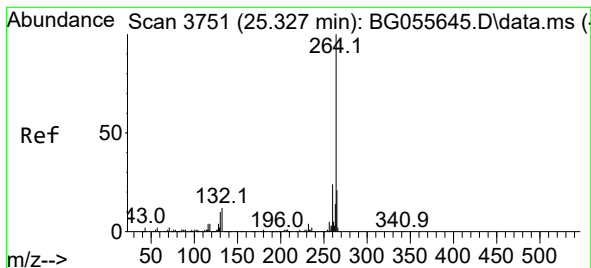
Ion Ratio Lower Upper

228 100

226 36.1 25.4 38.2

229 31.5 17.1 25.7#





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.280 min Scan# 31

Delta R.T. 0.022 min

Lab File: BG055850.D

Acq: 30 Nov 2022 20:35

Instrument :

BNA\_G

ClientSampleId :

COMP-1

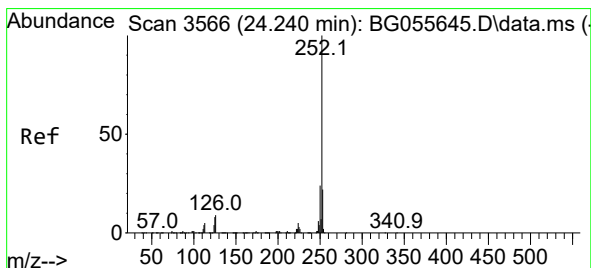
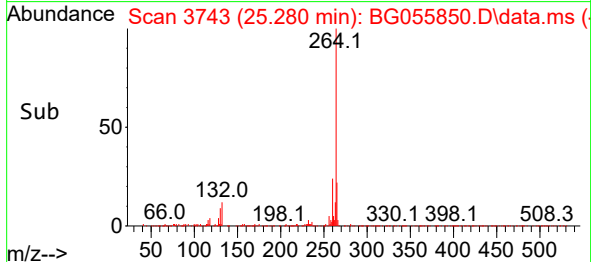
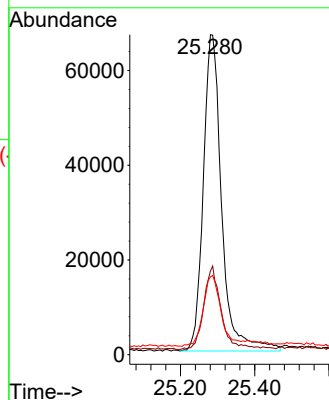
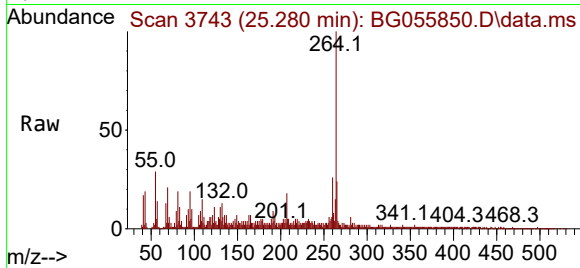
Tgt Ion:264 Resp: 229225

Ion Ratio Lower Upper

264 100

260 26.1 19.5 29.3

265 24.3 17.1 25.7



#88

Benzo(b)fluoranthene

Concen: 4.298 ng

RT: 24.194 min Scan# 3558

Delta R.T. 0.016 min

Lab File: BG055850.D

Acq: 30 Nov 2022 20:35

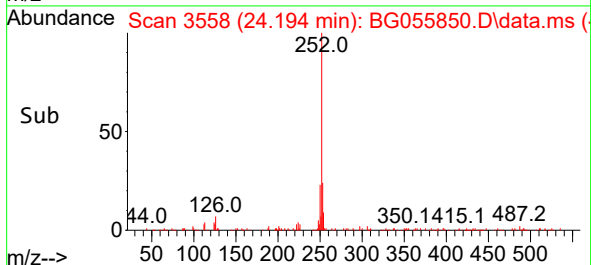
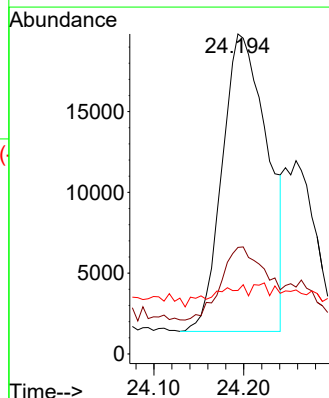
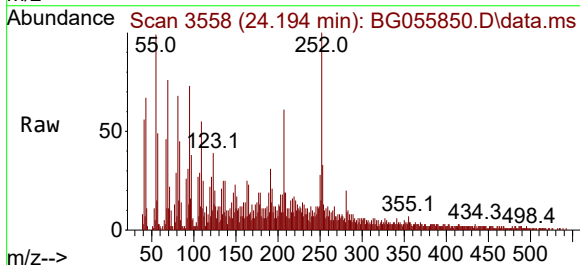
Tgt Ion:252 Resp: 64163

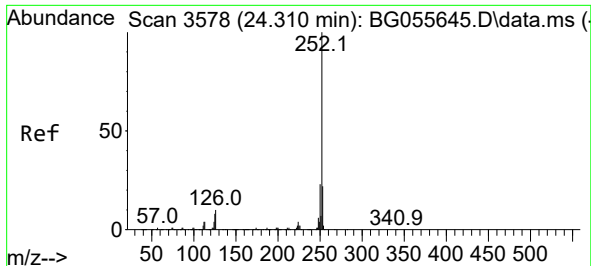
Ion Ratio Lower Upper

252 100

253 33.3 18.0 27.0#

125 19.9 6.2 9.2#

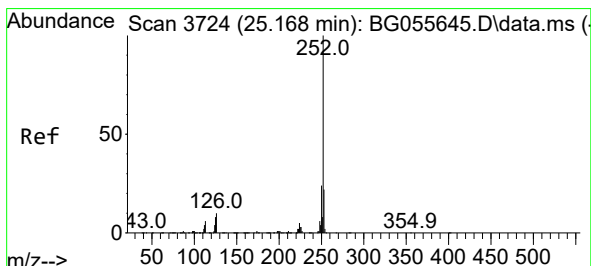
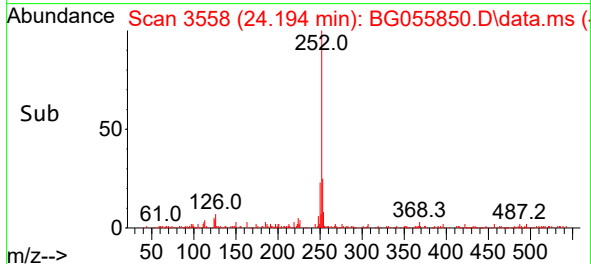
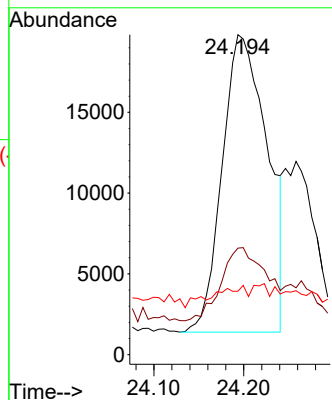
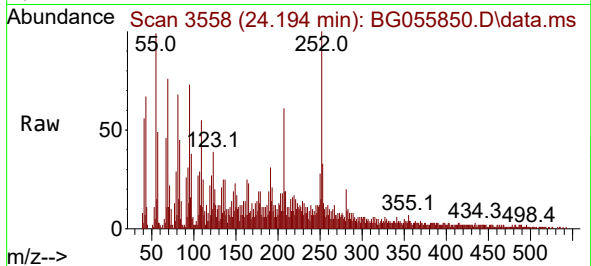




#89  
Benzo(k)fluoranthene  
Concen: 4.312 ng  
RT: 24.194 min Scan# 311  
Delta R.T. -0.060 min  
Lab File: BG055850.D  
Acq: 30 Nov 2022 20:35

Instrument :  
BNA\_G  
ClientSampleId :  
COMP-1

Tgt Ion:252 Resp: 64163  
Ion Ratio Lower Upper  
252 100  
253 33.3 17.8 26.6#  
125 19.9 6.1 9.1#



#90  
Benzo(a)pyrene  
Concen: 3.758 ng  
RT: 25.122 min Scan# 3716  
Delta R.T. 0.022 min  
Lab File: BG055850.D  
Acq: 30 Nov 2022 20:35

Tgt Ion:252 Resp: 48147  
Ion Ratio Lower Upper  
252 100  
253 32.6 17.8 26.6#  
125 25.0 6.4 9.6#

