

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG062822\  
 Data File : BG054130.D  
 Acq On : 28 Jun 2022 23:26  
 Operator : CG/JU  
 Sample : N3488-11  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Jun 29 00:51:12 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG061322.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 27 00:27:54 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.071  | 152  | 33640    | 20.000 | ng     | 0.00     |
| 21) Naphthalene-d8            | 10.880 | 136  | 139813   | 20.000 | ng     | 0.00     |
| 39) Acenaphthene-d10          | 14.699 | 164  | 96302    | 20.000 | ng     | 0.00     |
| 64) Phenanthrene-d10          | 17.443 | 188  | 212969   | 20.000 | ng     | 0.00     |
| 76) Chrysene-d12              | 21.720 | 240  | 211783   | 20.000 | ng     | 0.00     |
| 86) Perylene-d12              | 24.981 | 264  | 223010   | 20.000 | ng     | 0.02     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 5) 2-Fluorophenol             | 5.639  | 112  | 133772   | 76.029 | ng     | 0.00     |
| 7) Phenol-d6                  | 7.231  | 99   | 187651   | 78.617 | ng     | 0.00     |
| 23) Nitrobenzene-d5           | 9.235  | 82   | 127496   | 51.246 | ng     | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.185 | 330  | 104200   | 67.345 | ng     | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.324 | 172  | 347692   | 52.501 | ng     | 0.00     |
| 79) Terphenyl-d14             | 20.052 | 244  | 579239   | 55.086 | ng     | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 19) n-Nitroso-di-n-propyla... | 9.229  | 70   | 16794    | 10.473 | ng     | # 86     |
| 51) 2,6-Dinitrotoluene        | 14.699 | 165  | 13543    | 9.139  | ng     | # 16     |
| 57) 2,4-Dinitrotoluene        | 14.699 | 165  | 13543    | 6.471  | ng     | # 21     |
| 67) 4-Bromophenyl-phenylether | 16.185 | 248  | 6737     | 2.533  | ng     | # 1      |
| 71) Phenanthrene              | 17.484 | 178  | 38800    | 3.546  | ng     | 98       |
| 75) Fluoranthene              | 19.493 | 202  | 77995    | 5.430  | ng     | 98       |
| 78) Pyrene                    | 19.852 | 202  | 68610    | 5.364  | ng     | 99       |
| 81) Benzo(a)anthracene        | 21.697 | 228  | 43386    | 3.164  | ng     | 97       |
| 83) Chrysene                  | 21.761 | 228  | 41736    | 3.193  | ng     | 96       |
| 88) Benzo(b)fluoranthene      | 23.947 | 252  | 67736    | 4.995  | ng     | # 93     |
| 89) Benzo(k)fluoranthene      | 23.947 | 252  | 67736    | 5.045  | ng     | # 94     |
| 90) Benzo(a)pyrene            | 24.822 | 252  | 43547    | 3.806  | ng     | # 97     |
| -----                         |        |      |          |        |        |          |

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

**Instrument :**

BNA G

**ClientSampleId :**

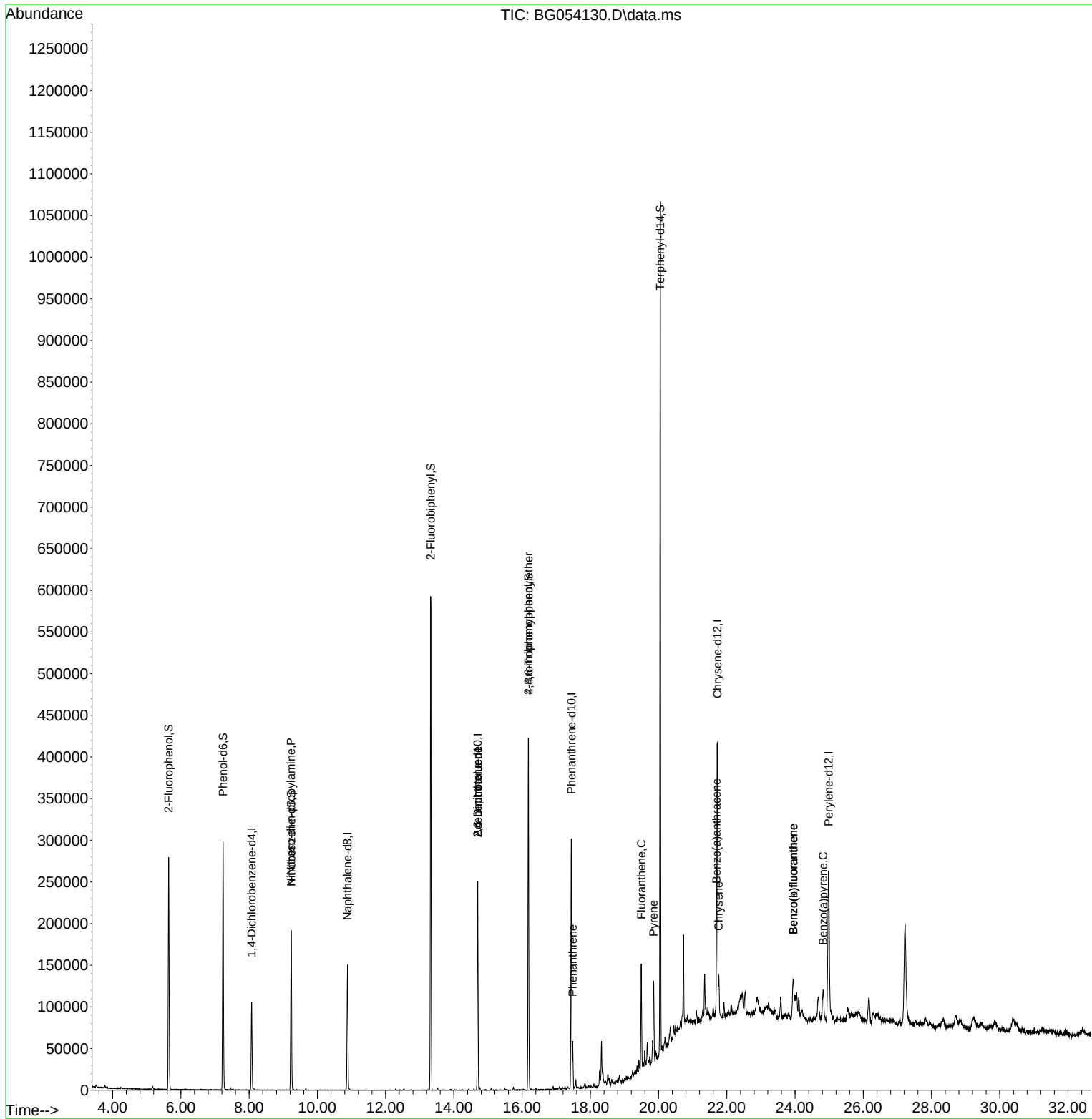
Quant Time: Jun 29 00:51:12 2022

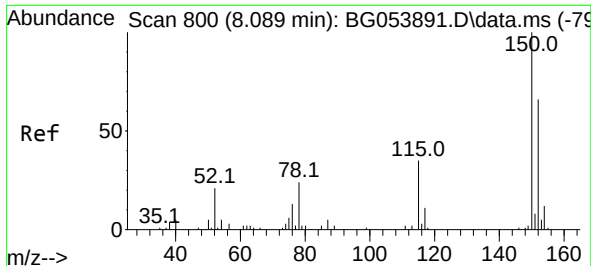
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG061322.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Jun 27 00:27:54 2022

Response via : Initial Calibration

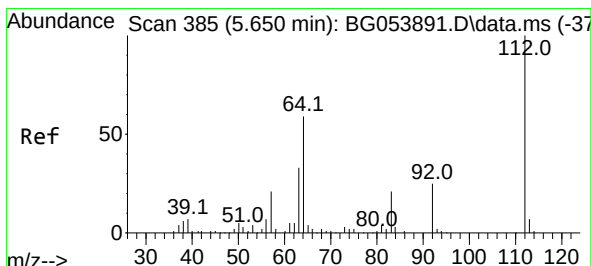
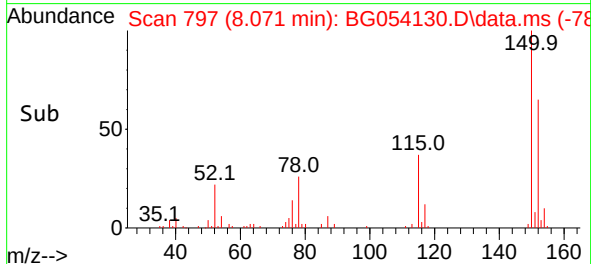
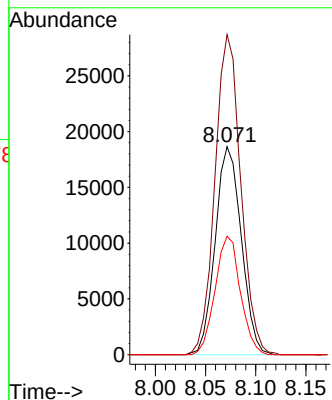
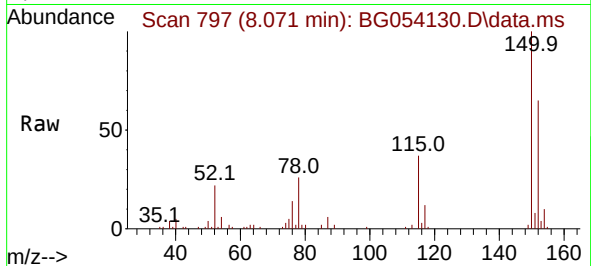




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.071 min Scan# 79  
Delta R.T. 0.001 min  
Lab File: BG054130.D  
Acq: 28 Jun 2022 23:26

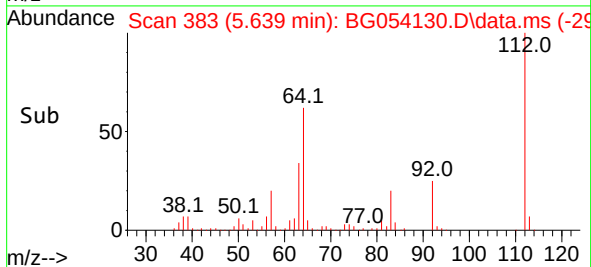
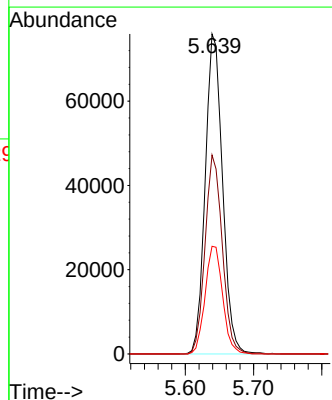
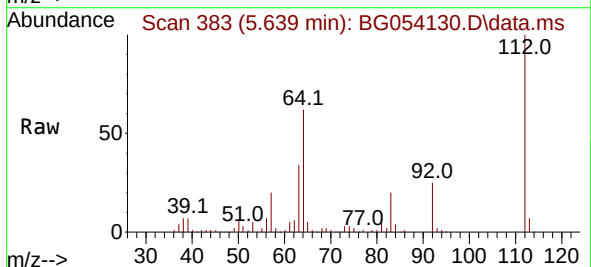
Instrument :  
BNA\_G  
ClientSampleId :

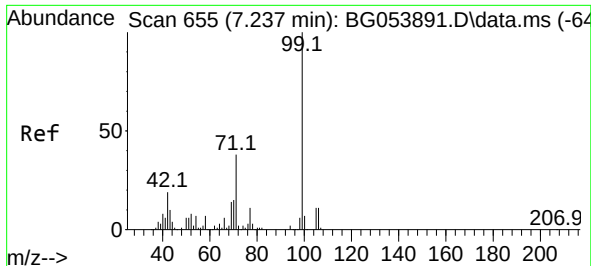
Tgt Ion:152 Resp: 33640  
Ion Ratio Lower Upper  
152 100  
150 153.8 131.6 197.4  
115 56.9 50.9 76.3



#5  
2-Fluorophenol  
Concen: 76.029 ng  
RT: 5.639 min Scan# 383  
Delta R.T. 0.001 min  
Lab File: BG054130.D  
Acq: 28 Jun 2022 23:26

Tgt Ion:112 Resp: 133772  
Ion Ratio Lower Upper  
112 100  
64 62.2 55.1 82.7  
63 33.7 30.4 45.6

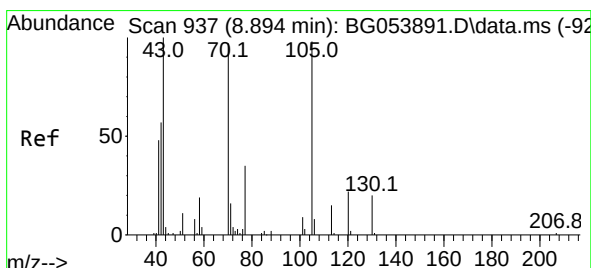
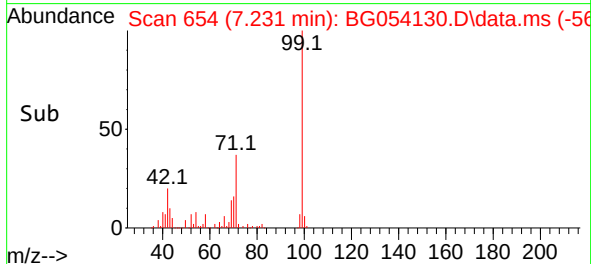
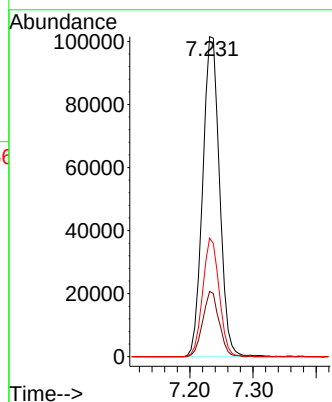
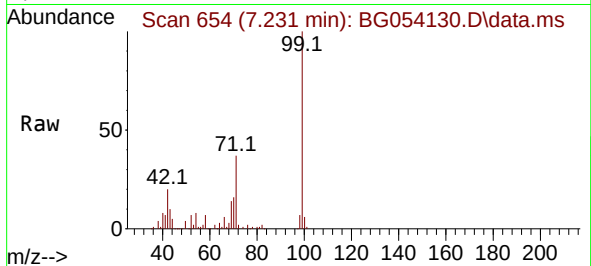




#7  
Phenol-d6  
Concen: 78.617 ng  
RT: 7.231 min Scan# 61  
Delta R.T. 0.001 min  
Lab File: BG054130.D  
Acq: 28 Jun 2022 23:26

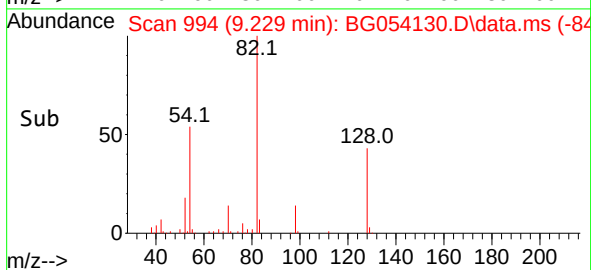
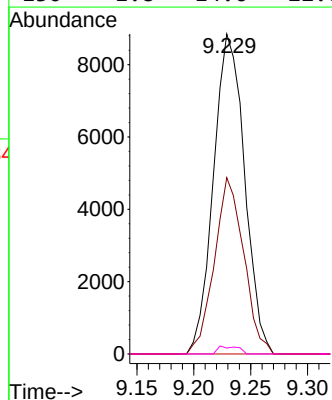
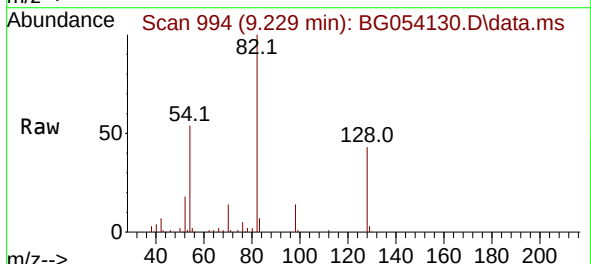
Instrument :  
BNA\_G  
ClientSampleId :

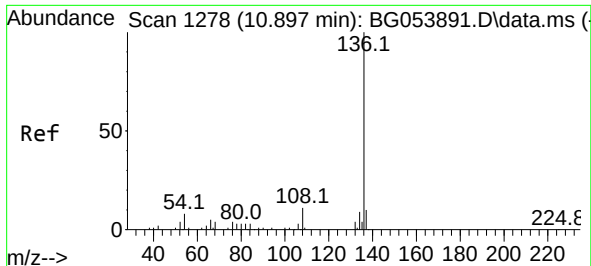
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Ion Ratio Lower Upper  
99 100  
42 20.4 17.0 25.6  
71 37.1 33.8 50.8



#19  
n-Nitroso-di-n-propylamine  
Concen: 10.473 ng  
RT: 9.229 min Scan# 994  
Delta R.T. 0.354 min  
Lab File: BG054130.D  
Acq: 28 Jun 2022 23:26

Tgt Ion: 70 Resp: 16794  
Ion Ratio Lower Upper  
70 100  
42 55.1 47.3 70.9  
101 0.0 7.0 10.4#  
130 1.8 14.6 22.0#

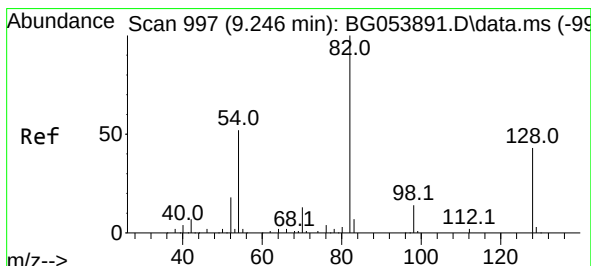
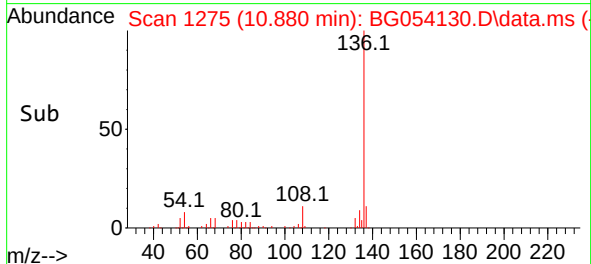
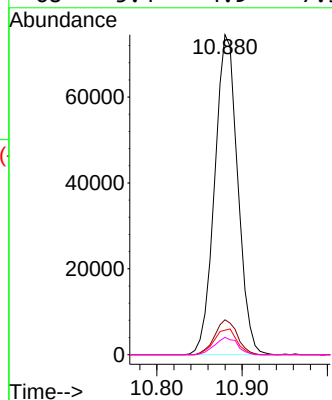
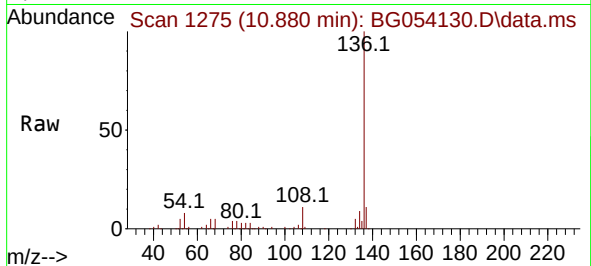




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.880 min Scan# 11  
Delta R.T. 0.001 min  
Lab File: BG054130.D  
Acq: 28 Jun 2022 23:26

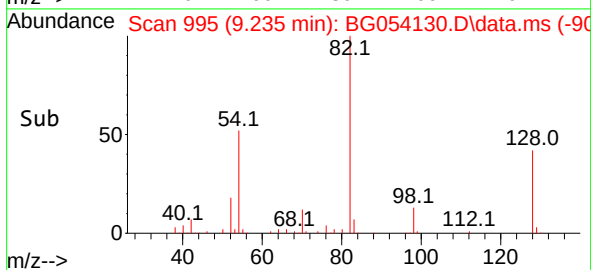
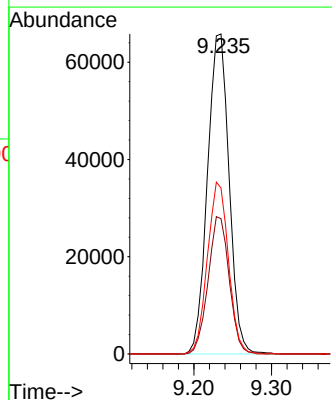
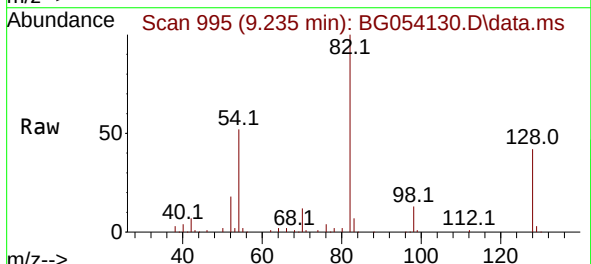
Instrument :  
BNA\_G  
ClientSampleId :

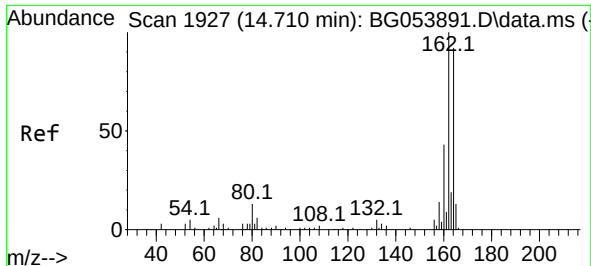
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 139813 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 10.9  | 8.5   | 12.7   |
| 54        | 7.6   | 7.4   | 11.2   |
| 68        | 5.4   | 4.9   | 7.3    |



#23  
Nitrobenzene-d5  
Concen: 51.246 ng  
RT: 9.235 min Scan# 995  
Delta R.T. 0.001 min  
Lab File: BG054130.D  
Acq: 28 Jun 2022 23:26

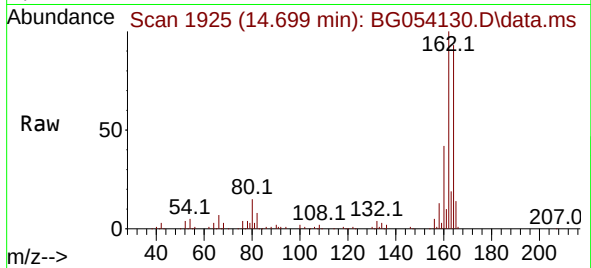
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 82    | Resp: | 127496 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 42.3  | 27.9  | 41.9#  |
| 54        | 51.8  | 41.2  | 61.8   |



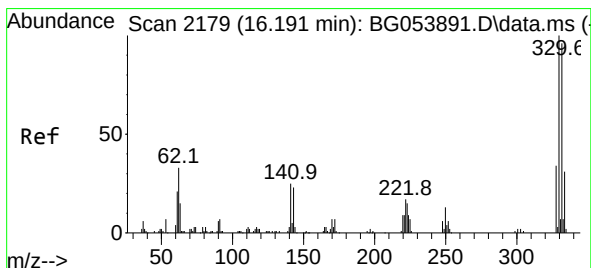
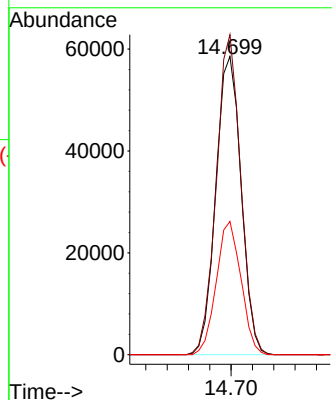
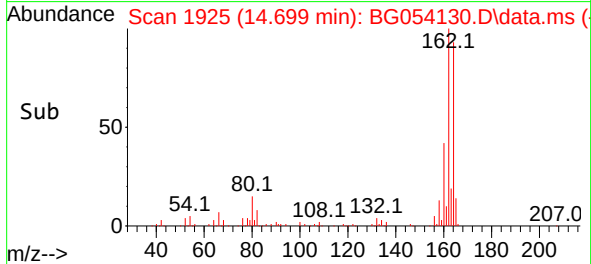


#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.699 min Scan# 1925  
Delta R.T. 0.001 min  
Lab File: BG054130.D  
Acq: 28 Jun 2022 23:26

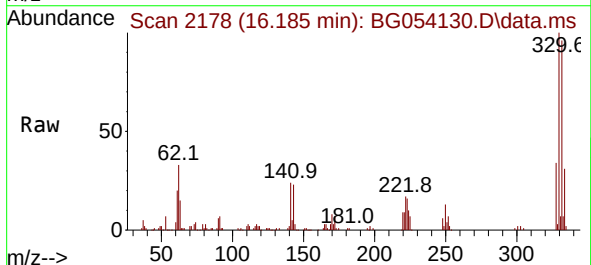
Instrument :  
BNA\_G  
ClientSampleId :



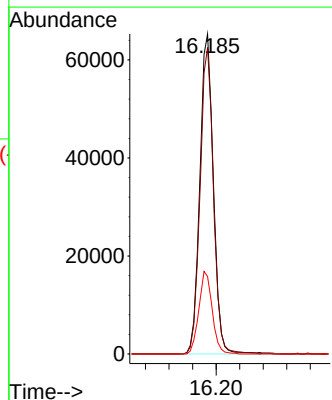
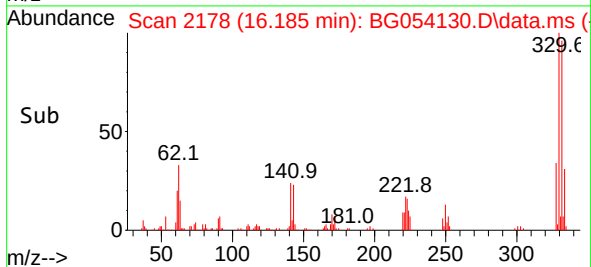
Tgt Ion:164 Resp: 96302  
Ion Ratio Lower Upper  
164 100  
162 107.3 82.3 123.5  
160 44.7 34.2 51.2

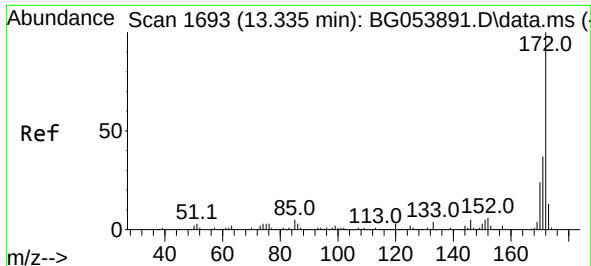


#42  
2,4,6-Tribromophenol  
Concen: 67.345 ng  
RT: 16.185 min Scan# 2178  
Delta R.T. 0.001 min  
Lab File: BG054130.D  
Acq: 28 Jun 2022 23:26



Tgt Ion:330 Resp: 104200  
Ion Ratio Lower Upper  
330 100  
332 94.6 76.0 114.0  
141 25.5 27.1 40.7#

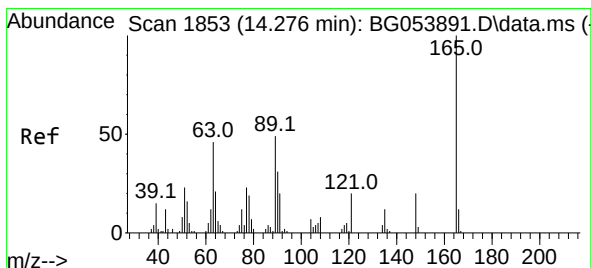
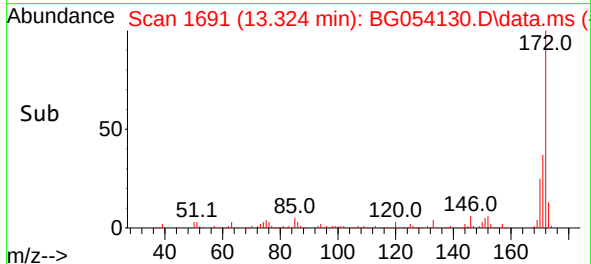
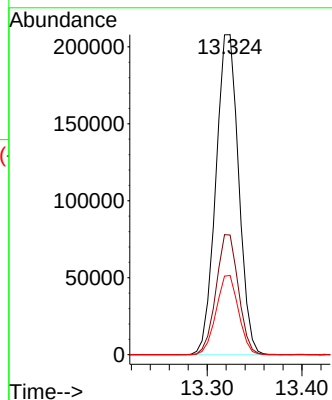
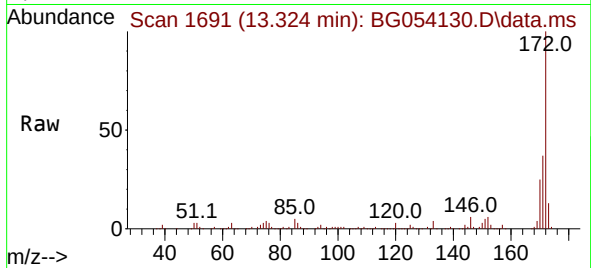




#45  
2-Fluorobiphenyl  
Concen: 52.501 ng  
RT: 13.324 min Scan# 1  
Delta R.T. 0.001 min  
Lab File: BG054130.D  
Acq: 28 Jun 2022 23:26

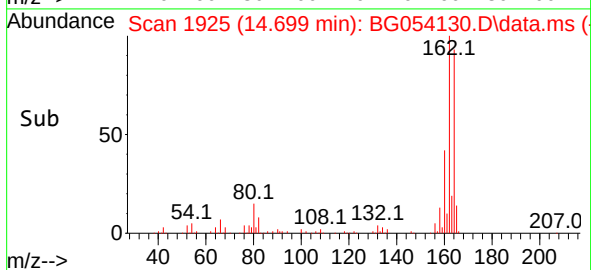
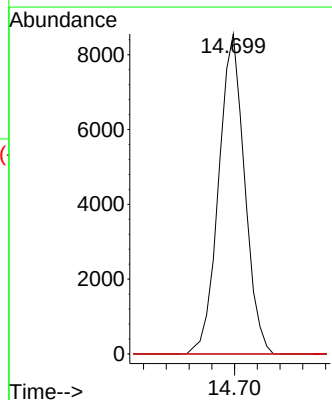
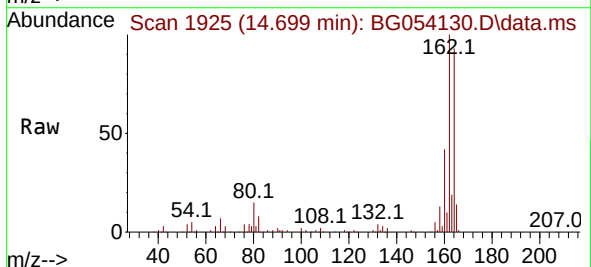
Instrument :  
BNA\_G  
ClientSampleId :

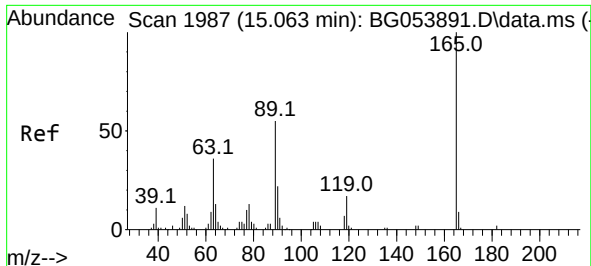
Tgt Ion:172 Resp: 347692  
Ion Ratio Lower Upper  
172 100  
171 37.4 28.5 42.7  
170 24.8 18.9 28.3



#51  
2,6-Dinitrotoluene  
Concen: 9.139 ng  
RT: 14.699 min Scan# 1925  
Delta R.T. 0.436 min  
Lab File: BG054130.D  
Acq: 28 Jun 2022 23:26

Tgt Ion:165 Resp: 13543  
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: 6.471 ng

RT: 14.699 min Scan# 1987

Delta R.T. -0.351 min

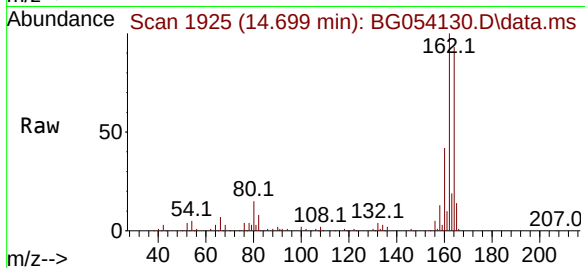
Lab File: BG054130.D

Acq: 28 Jun 2022 23:26

Instrument :

BNA\_G

ClientSampleId :



Tgt Ion:165 Resp: 13543

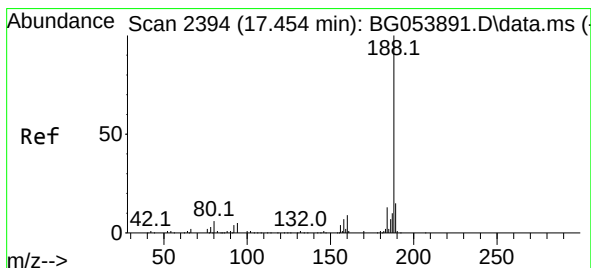
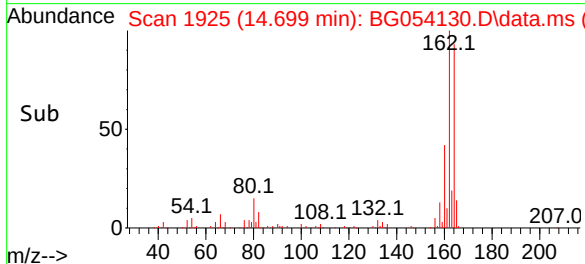
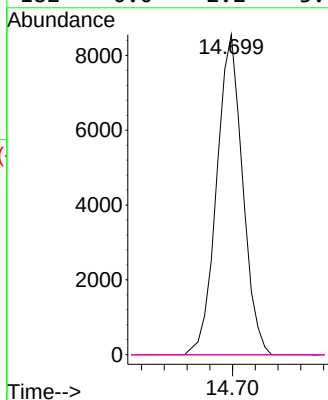
Ion Ratio Lower Upper

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: 17.443 min Scan# 2392

Delta R.T. 0.001 min

Lab File: BG054130.D

Acq: 28 Jun 2022 23:26

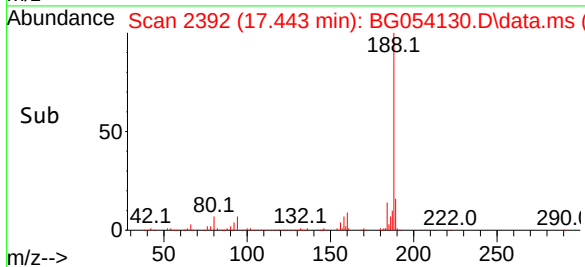
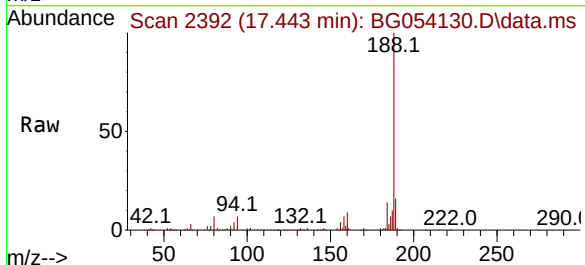
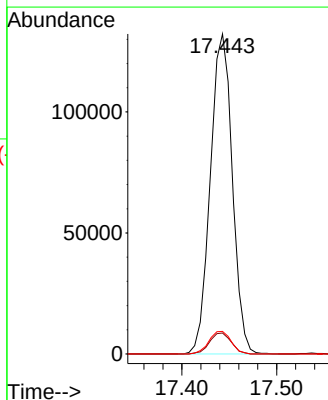
Tgt Ion:188 Resp: 212969

Ion Ratio Lower Upper

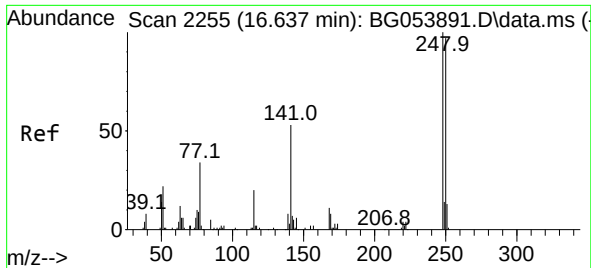
188 100

94 6.6 5.4 8.0

80 7.0 6.8 10.2



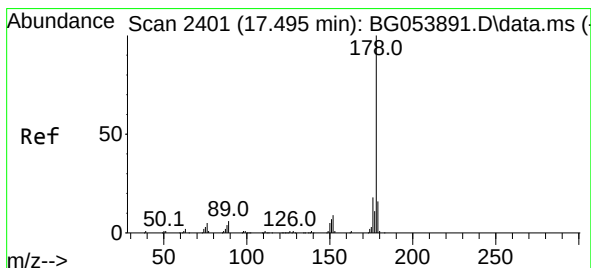
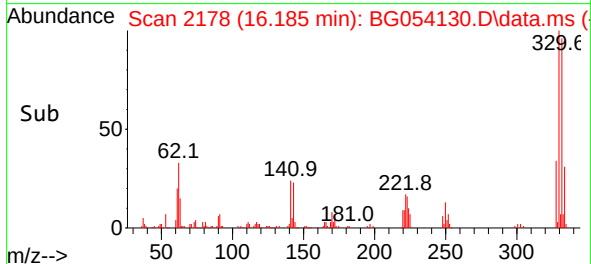
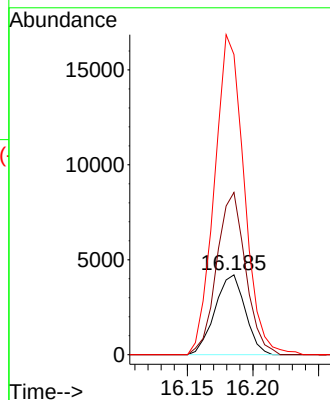
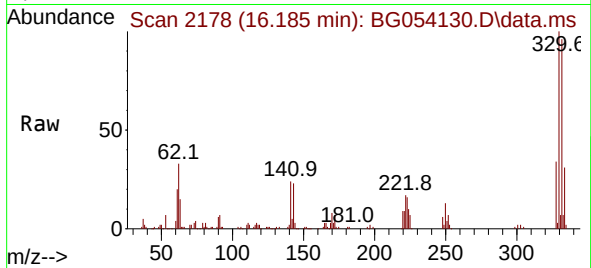




#67  
4-Bromophenyl-phenylether  
Concen: 2.533 ng  
RT: 16.185 min Scan# 2178  
Delta R.T. -0.440 min  
Lab File: BG054130.D  
Acq: 28 Jun 2022 23:26

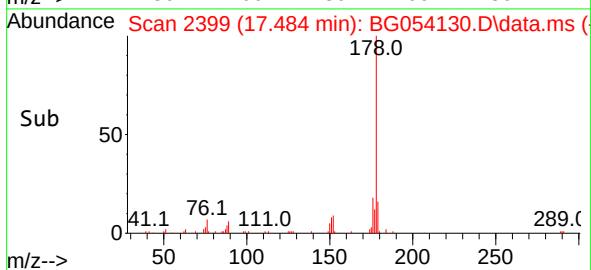
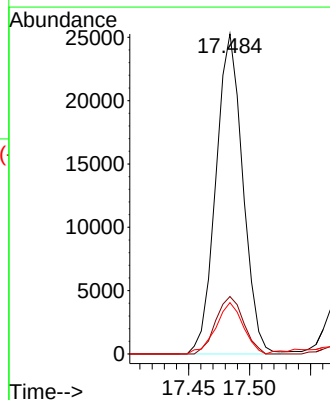
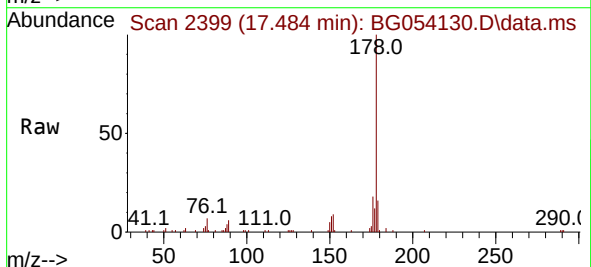
Instrument :  
BNA\_G  
ClientSampleId :

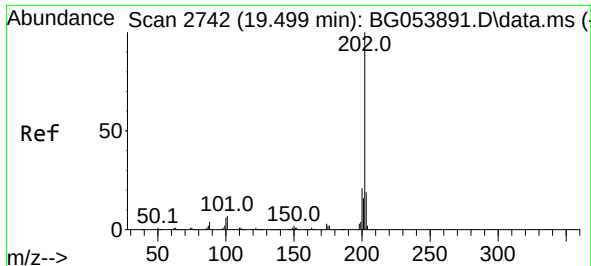
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Ion Ratio Lower Upper  
248 100  
250 155.3 75.2 112.8#  
141 287.4 50.0 75.0#



#71  
Phenanthrene  
Concen: 3.546 ng  
RT: 17.484 min Scan# 2399  
Delta R.T. 0.001 min  
Lab File: BG054130.D  
Acq: 28 Jun 2022 23:26

Tgt Ion:178 Resp: 38800  
Ion Ratio Lower Upper  
178 100  
176 18.0 14.1 21.1  
179 16.1 12.1 18.1

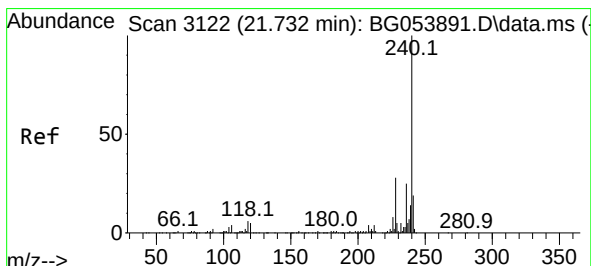
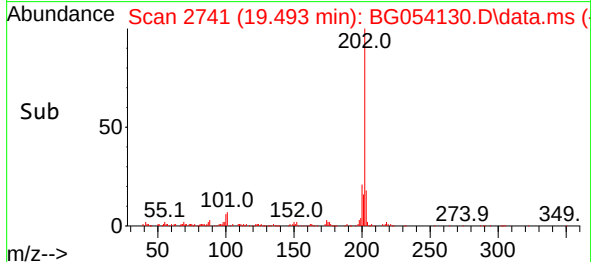
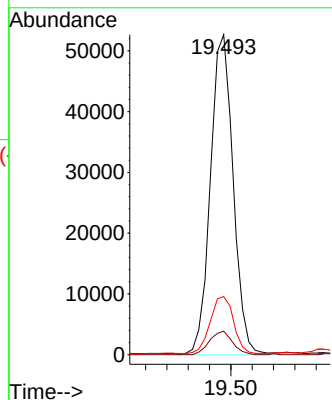
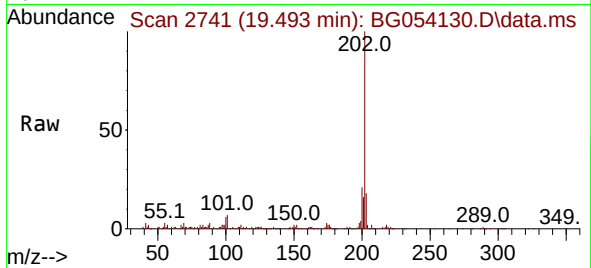




#75  
Fluoranthene  
Concen: 5.430 ng  
RT: 19.493 min Scan# 21  
Delta R.T. 0.001 min  
Lab File: BG054130.D  
Acq: 28 Jun 2022 23:26

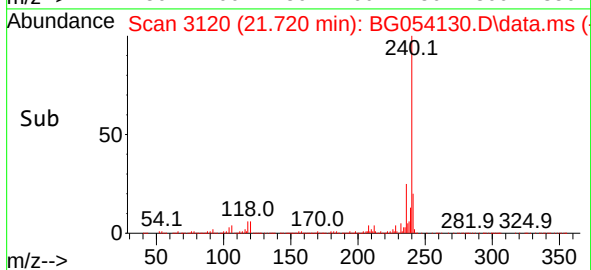
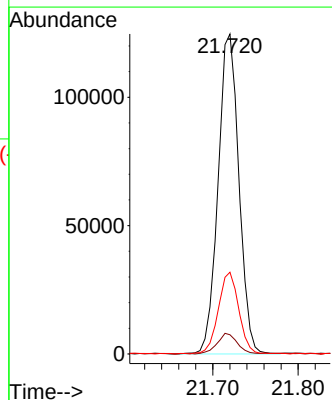
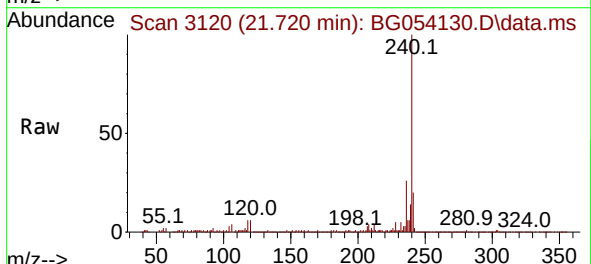
Instrument :  
BNA\_G  
ClientSampleId :

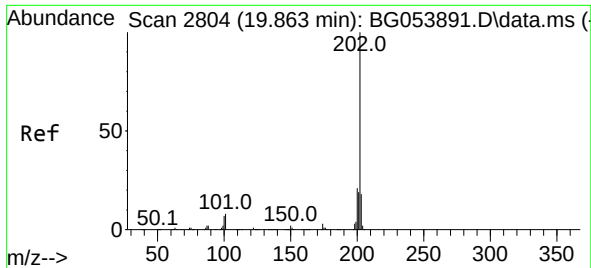
Tgt Ion:202 Resp: 77995  
Ion Ratio Lower Upper  
202 100  
101 7.3 0.0 26.9  
203 18.2 0.0 37.2



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.720 min Scan# 3120  
Delta R.T. 0.001 min  
Lab File: BG054130.D  
Acq: 28 Jun 2022 23:26

Tgt Ion:240 Resp: 211783  
Ion Ratio Lower Upper  
240 100  
120 6.0 4.6 7.0  
236 25.5 20.2 30.4

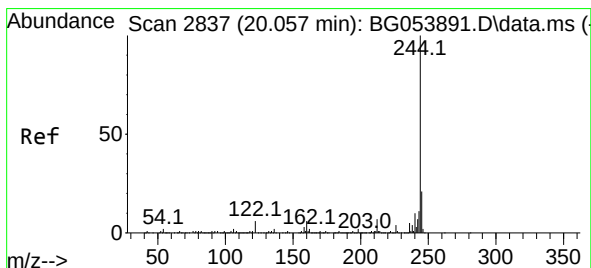
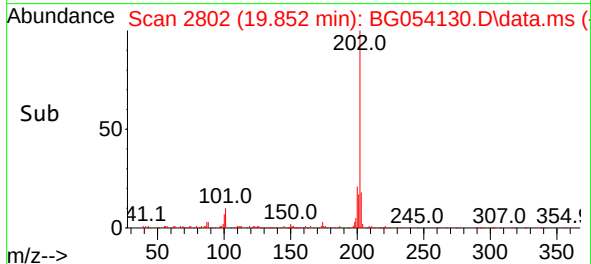
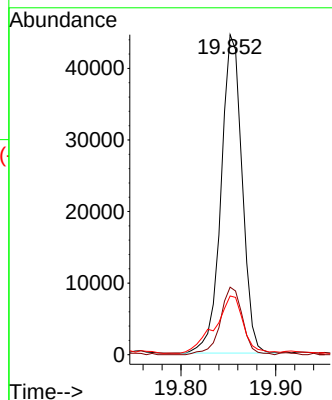
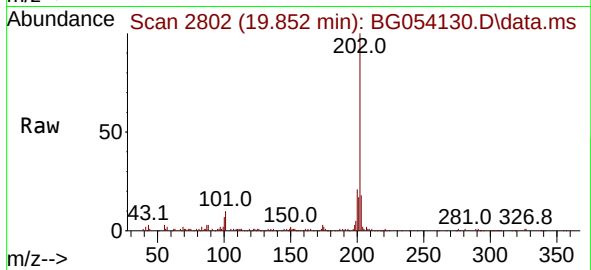




#78  
 Pyrene  
 Concen: 5.364 ng  
 RT: 19.852 min Scan# 21  
 Delta R.T. 0.001 min  
 Lab File: BG054130.D  
 Acq: 28 Jun 2022 23:26

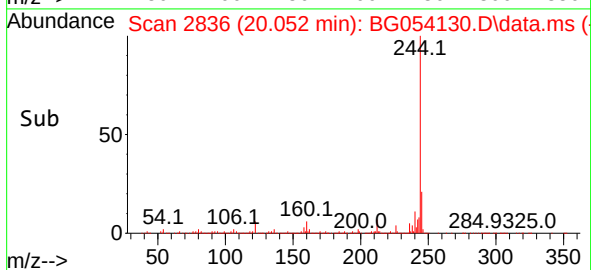
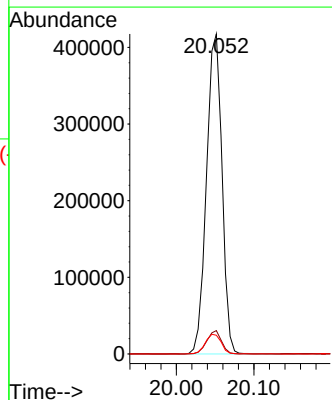
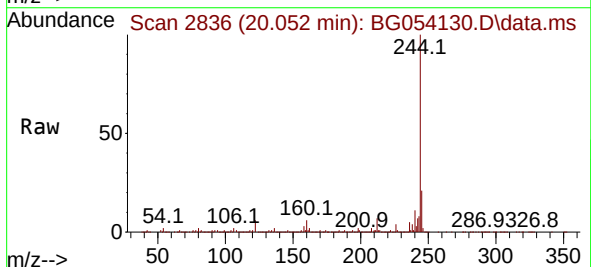
Instrument :  
 BNA\_G  
 ClientSampleId :

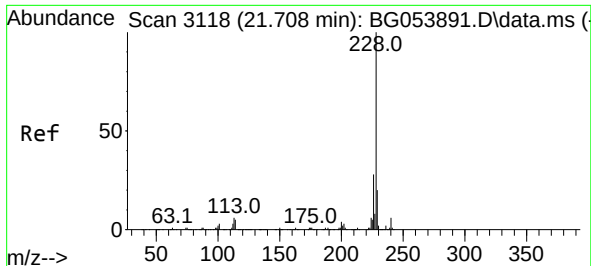
Tgt Ion:202 Resp: 68610  
 Ion Ratio Lower Upper  
 202 100  
 200 21.1 16.6 24.8  
 203 18.4 14.6 21.8



#79  
 Terphenyl-d14  
 Concen: 55.086 ng  
 RT: 20.052 min Scan# 2836  
 Delta R.T. 0.007 min  
 Lab File: BG054130.D  
 Acq: 28 Jun 2022 23:26

Tgt Ion:244 Resp: 579239  
 Ion Ratio Lower Upper  
 244 100  
 212 7.3 6.5 9.7  
 122 5.9 5.0 7.4

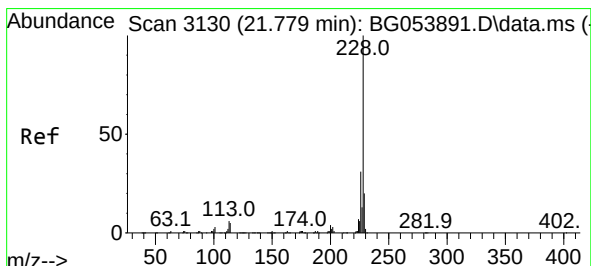
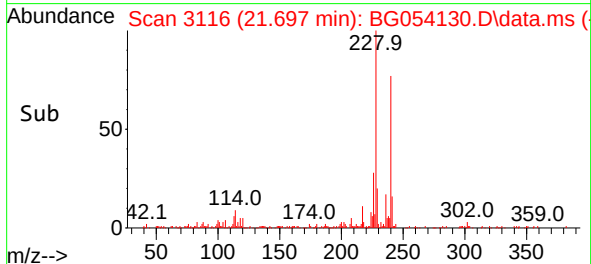
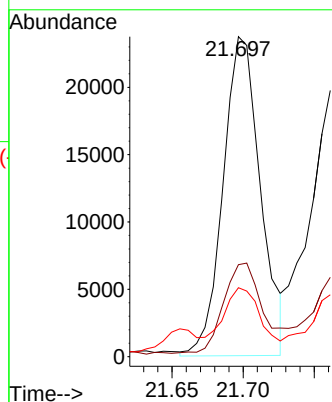
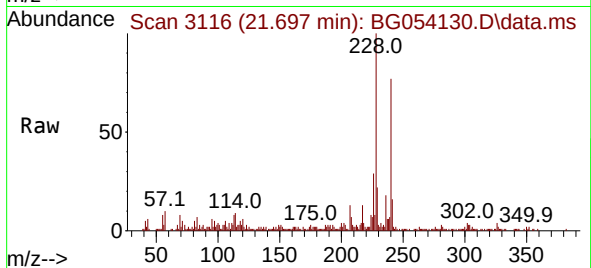




#81  
Benzo(a)anthracene  
Concen: 3.164 ng  
RT: 21.697 min Scan# 3116  
Delta R.T. 0.001 min  
Lab File: BG054130.D  
Acq: 28 Jun 2022 23:26

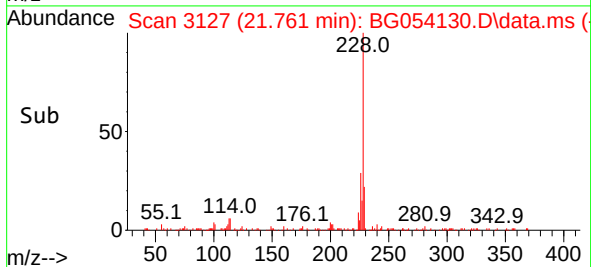
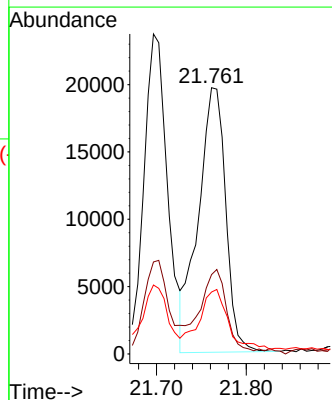
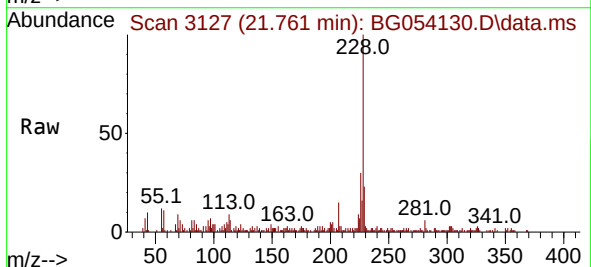
Instrument :  
BNA\_G  
ClientSampleId :

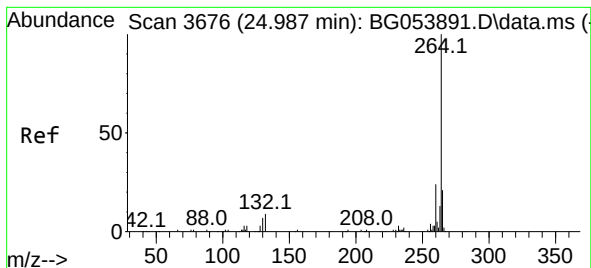
Tgt Ion:228 Resp: 43386  
Ion Ratio Lower Upper  
228 100  
226 28.8 21.6 32.4  
229 21.5 16.2 24.2



#83  
Chrysene  
Concen: 3.193 ng  
RT: 21.761 min Scan# 3127  
Delta R.T. 0.001 min  
Lab File: BG054130.D  
Acq: 28 Jun 2022 23:26

Tgt Ion:228 Resp: 41736  
Ion Ratio Lower Upper  
228 100  
226 29.8 23.4 35.2  
229 23.3 15.5 23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.981 min Scan# 3

Delta R.T. 0.019 min

Lab File: BG054130.D

Acq: 28 Jun 2022 23:26

Instrument :

BNA\_G

ClientSampleId :

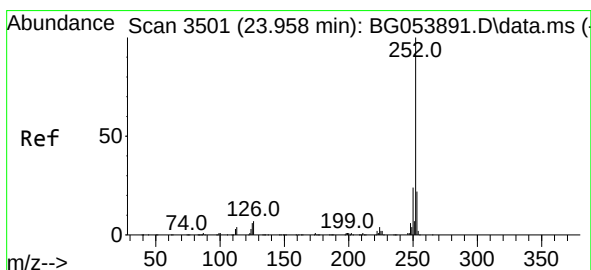
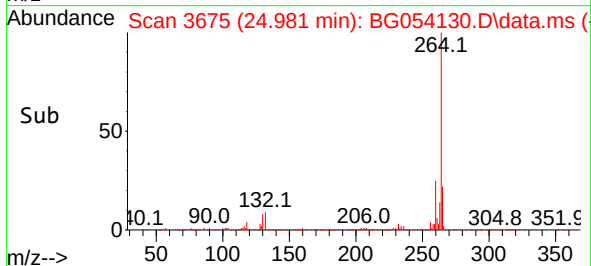
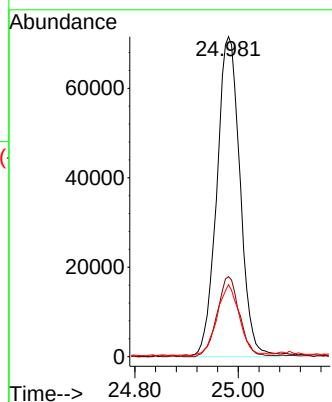
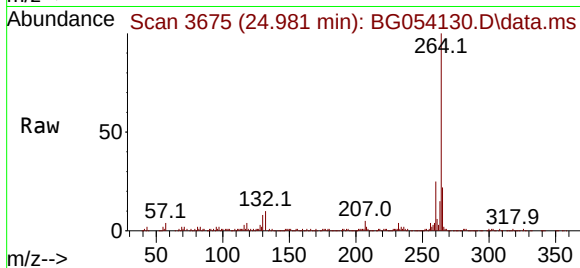
Tgt Ion:264 Resp: 223010

Ion Ratio Lower Upper

264 100

260 25.0 19.0 28.6

265 22.5 17.4 26.2



#88

Benzo(b)fluoranthene

Concen: 4.995 ng

RT: 23.947 min Scan# 3499

Delta R.T. 0.013 min

Lab File: BG054130.D

Acq: 28 Jun 2022 23:26

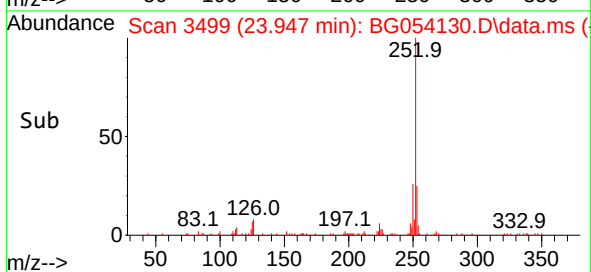
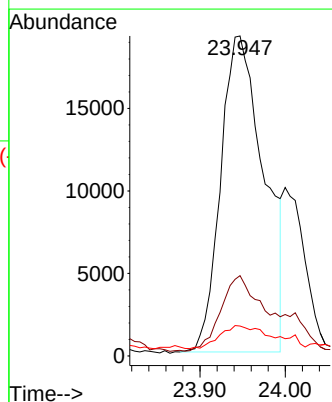
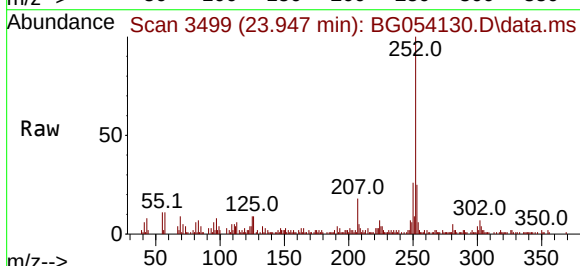
Tgt Ion:252 Resp: 67736

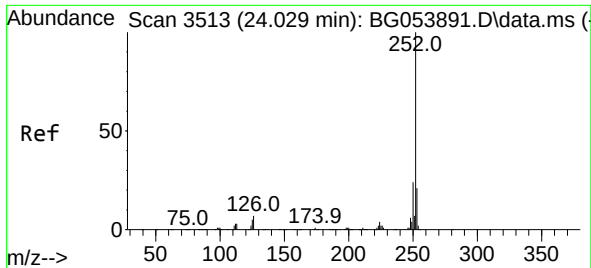
Ion Ratio Lower Upper

252 100

253 25.1 18.0 27.0

125 9.3 4.6 6.8#

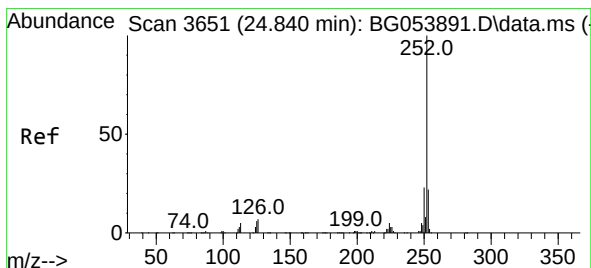
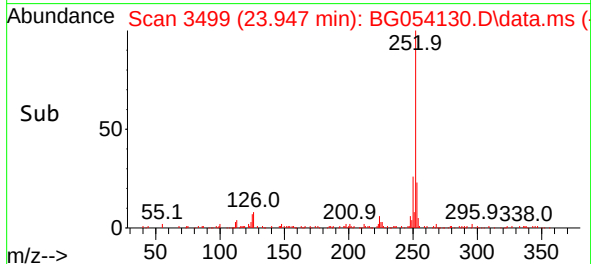
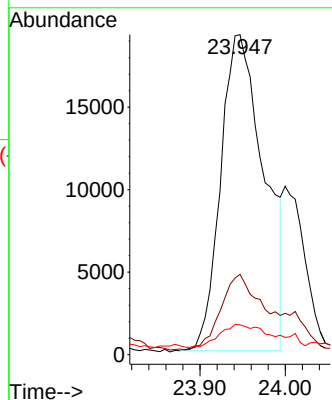
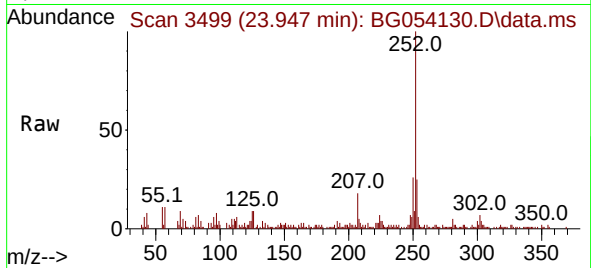




#89  
Benzo(k)fluoranthene  
Concen: 5.045 ng  
RT: 23.947 min Scan# 34  
Delta R.T. -0.058 min  
Lab File: BG054130.D  
Acq: 28 Jun 2022 23:26

Instrument :  
BNA\_G  
ClientSampleId :

Tgt Ion:252 Resp: 67736  
Ion Ratio Lower Upper  
252 100  
253 25.1 18.4 27.6  
125 9.3 4.8 7.2#



#90  
Benzo(a)pyrene  
Concen: 3.806 ng  
RT: 24.822 min Scan# 3648  
Delta R.T. 0.007 min  
Lab File: BG054130.D  
Acq: 28 Jun 2022 23:26

Tgt Ion:252 Resp: 43547  
Ion Ratio Lower Upper  
252 100  
253 22.0 17.8 26.8  
125 9.1 4.3 6.5#

