

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG090822\  
 Data File : BG054889.D  
 Acq On : 8 Sep 2022 18:36  
 Operator : CG/JU  
 Sample : N4530-04  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-18-COMP

Quant Time: Sep 09 02:51:13 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG082522.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 09 02:45:21 2022  
 Response via : Initial Calibration

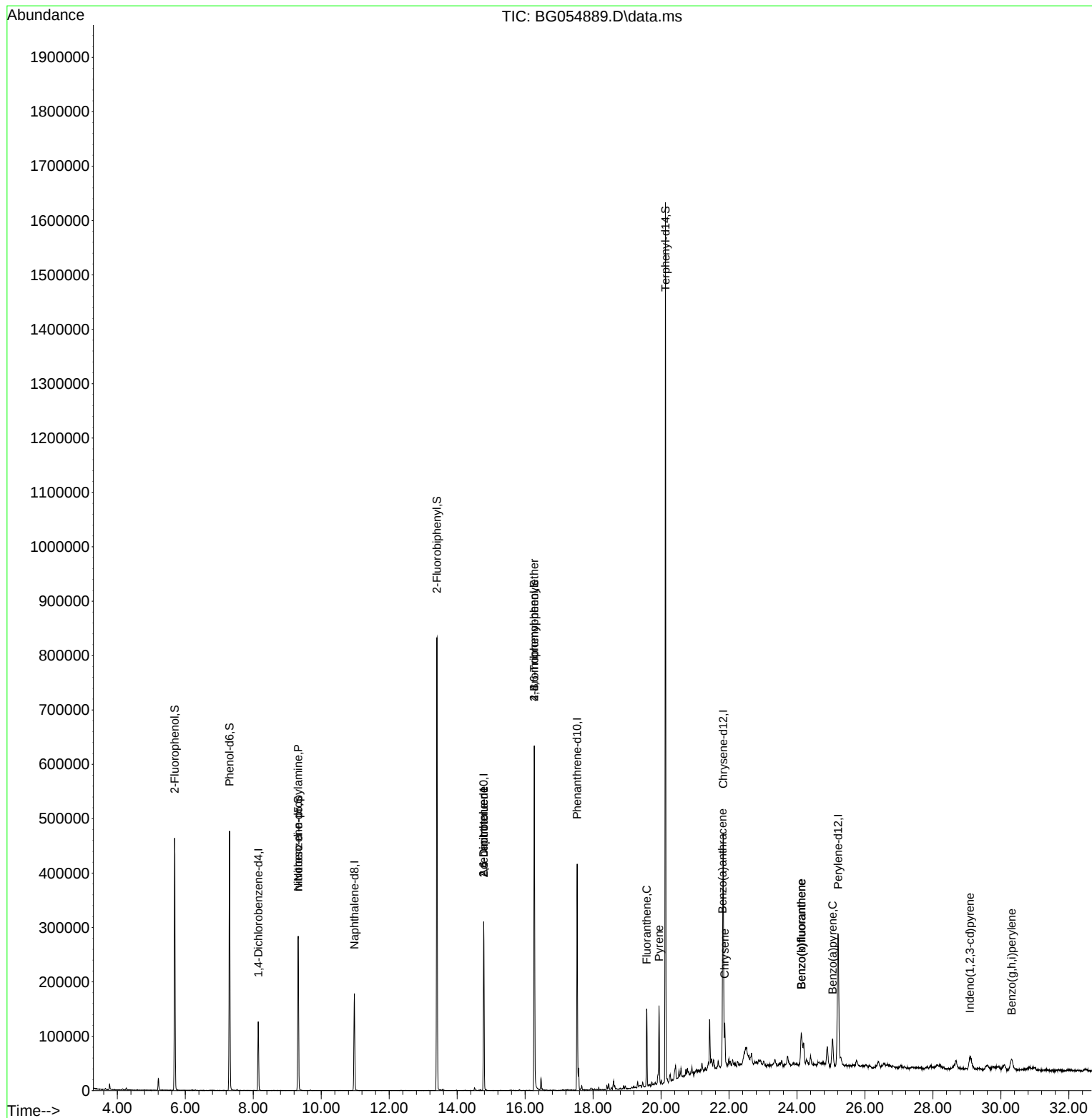
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.149  | 152  | 40316    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.975 | 136  | 165152   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.782 | 164  | 116192   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.532 | 188  | 270585   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.827 | 240  | 256877   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 25.205 | 264  | 268122   | 20.000  | ng    | -0.02    |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.687  | 112  | 226064   | 97.643  | ng    | 0.00     |
| 7) Phenol-d6                  | 7.303  | 99   | 312439   | 98.679  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.324  | 82   | 185653   | 59.013  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.269 | 330  | 150510   | 103.665 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.407 | 172  | 476483   | 61.636  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.129 | 244  | 807424   | 62.280  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 9.324  | 70   | 23275    | 10.690  | ng    | # 77     |
| 51) 2,6-Dinitrotoluene        | 14.782 | 165  | 15383    | 8.402   | ng    | # 20     |
| 57) 2,4-Dinitrotoluene        | 14.782 | 165  | 15383    | 6.074   | ng    | # 18     |
| 67) 4-Bromophenyl-phenylether | 16.269 | 248  | 9331     | 3.141   | ng    | # 1      |
| 75) Fluoranthene              | 19.577 | 202  | 93633    | 5.340   | ng    | 98       |
| 78) Pyrene                    | 19.941 | 202  | 93448    | 5.217   | ng    | 98       |
| 81) Benzo(a)anthracene        | 21.809 | 228  | 61982    | 3.559   | ng    | 100      |
| 83) Chrysene                  | 21.874 | 228  | 56136    | 3.371   | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 29.089 | 276  | 42166    | 2.072   | ng    | 95       |
| 88) Benzo(b)fluoranthene      | 24.130 | 252  | 76190    | 4.530   | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 24.130 | 252  | 76190    | 4.501   | ng    | 99       |
| 90) Benzo(a)pyrene            | 25.047 | 252  | 55460    | 3.859   | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 30.317 | 276  | 44495    | 2.656   | ng    | # 92     |
| -----                         |        |      |          |         |       |          |

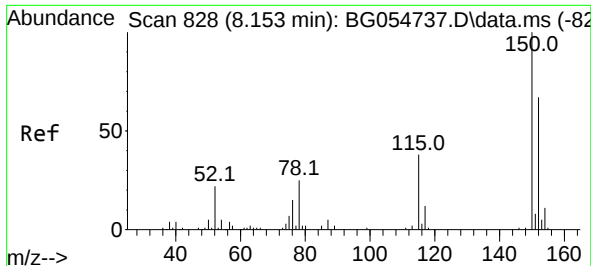
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG090822\  
Data File : BG054889.D  
Acq On : 8 Sep 2022 18:36  
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Sample : N4530-04  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_G  
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SB-18-COMP

Quant Time: Sep 09 02:51:13 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG082522.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Sep 09 02:45:21 2022  
Response via : Initial Calibration

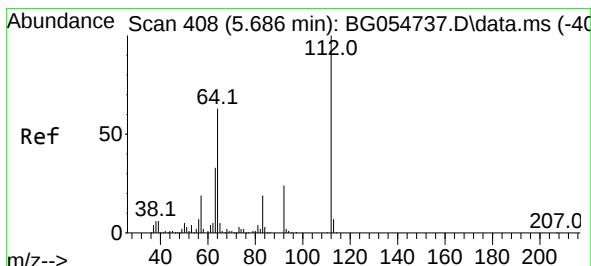
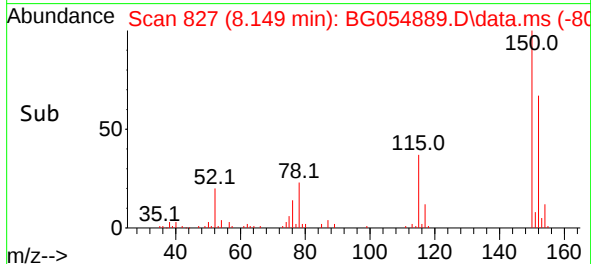
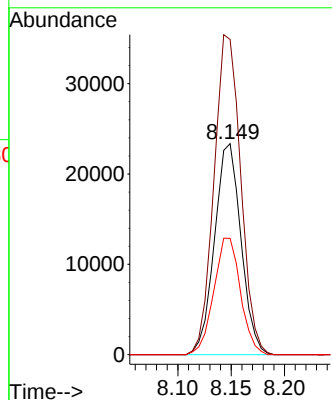
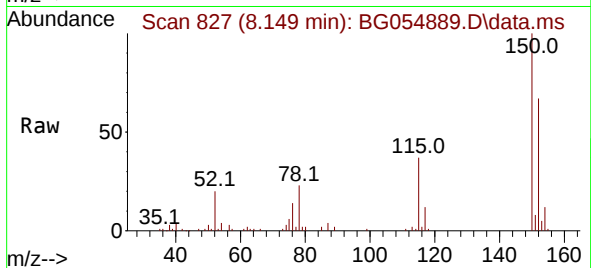




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.149 min Scan# 81  
Delta R.T. 0.003 min  
Lab File: BG054889.D  
Acq: 8 Sep 2022 18:36

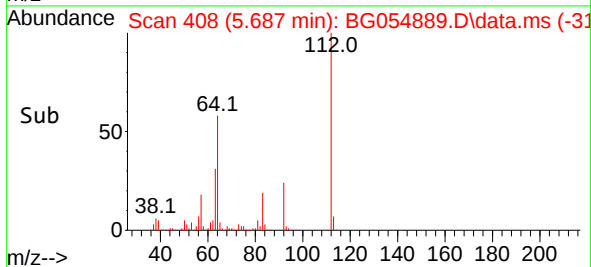
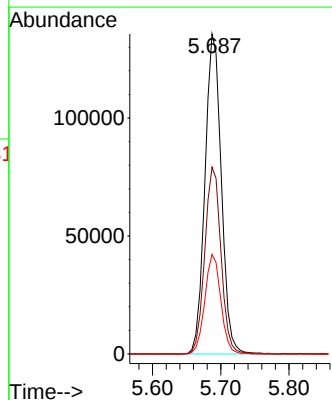
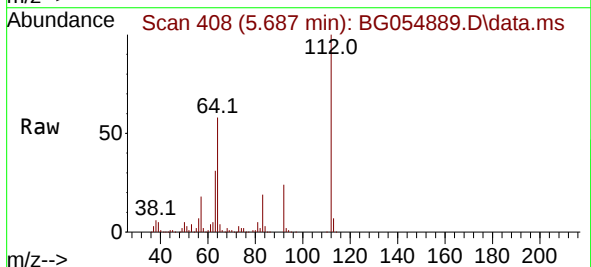
Instrument :  
BNA\_G  
ClientSampleId :  
SB-18-COMP

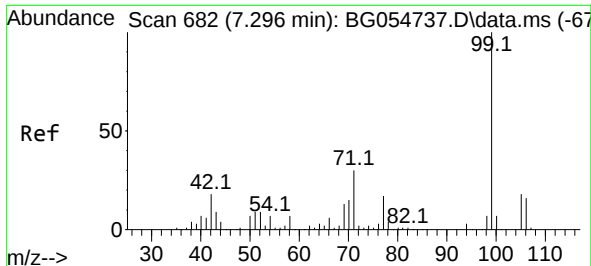
Tgt Ion:152 Resp: 40316  
Ion Ratio Lower Upper  
152 100  
150 149.3 125.2 187.8  
115 55.1 47.9 71.9



#5  
2-Fluorophenol  
Concen: 97.643 ng  
RT: 5.687 min Scan# 408  
Delta R.T. 0.002 min  
Lab File: BG054889.D  
Acq: 8 Sep 2022 18:36

Tgt Ion:112 Resp: 226064  
Ion Ratio Lower Upper  
112 100  
64 58.3 49.3 73.9  
63 31.1 26.3 39.5

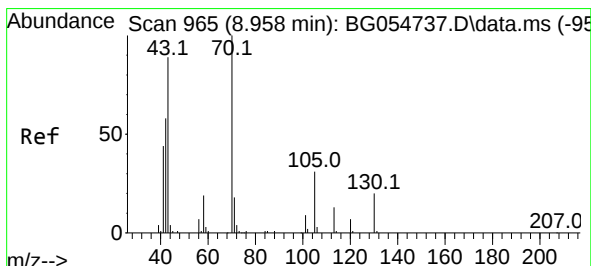
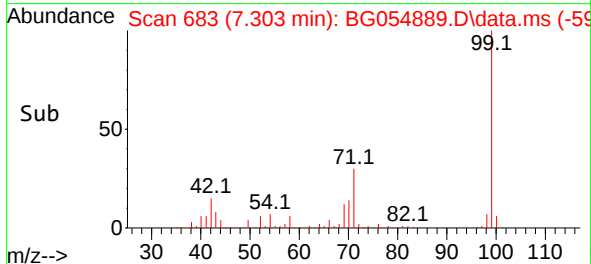
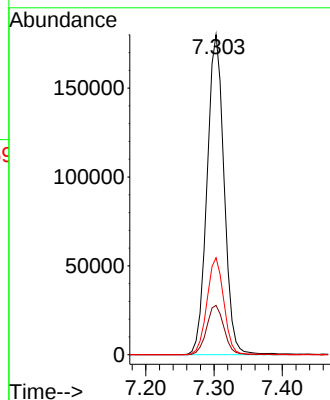
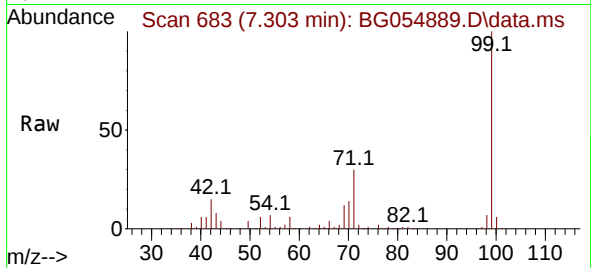




#7  
Phenol-d6  
Concen: 98.679 ng  
RT: 7.303 min Scan# 61  
Delta R.T. -0.003 min  
Lab File: BG054889.D  
Acq: 8 Sep 2022 18:36

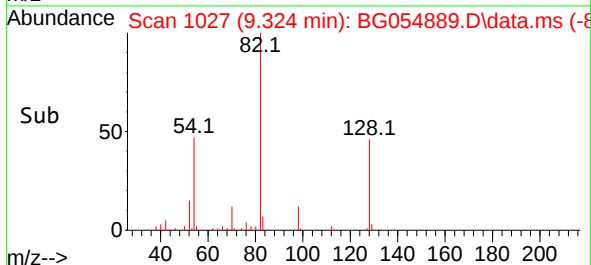
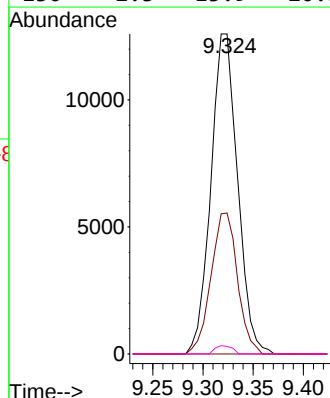
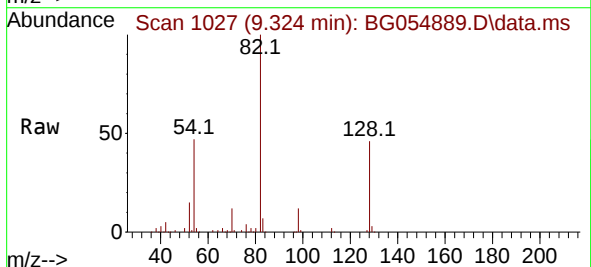
Instrument :  
BNA\_G  
ClientSampleId :  
SB-18-COMP

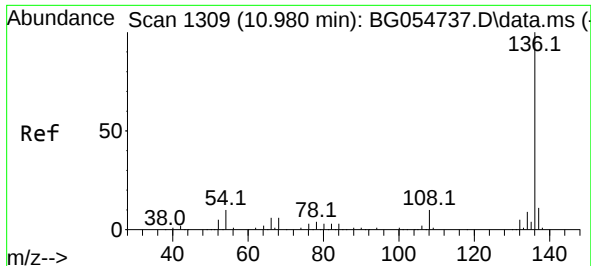
Tgt Ion: 99 Resp: 312439  
Ion Ratio Lower Upper  
99 100  
42 15.4 14.6 22.0  
71 30.3 24.6 37.0



#19  
n-Nitroso-di-n-propylamine  
Concen: 10.690 ng  
RT: 9.324 min Scan# 1027  
Delta R.T. 0.367 min  
Lab File: BG054889.D  
Acq: 8 Sep 2022 18:36

Tgt Ion: 70 Resp: 23275  
Ion Ratio Lower Upper  
70 100  
42 44.0 46.6 69.8#  
101 0.0 7.7 11.5#  
130 2.3 13.9 20.9#





#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.975 min Scan# 11  
Delta R.T. -0.003 min  
Lab File: BG054889.D  
Acq: 8 Sep 2022 18:36

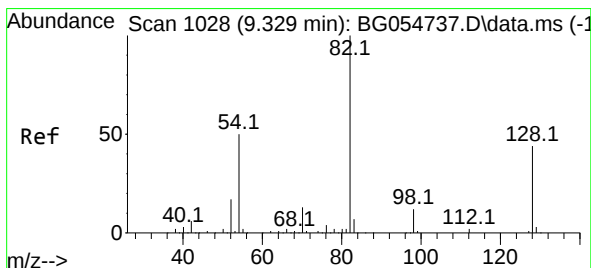
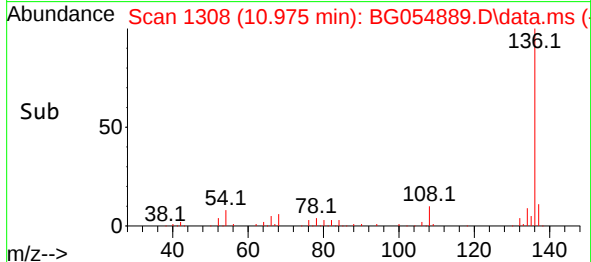
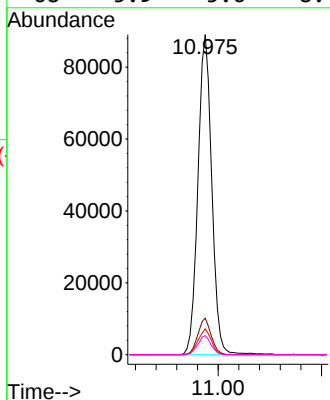
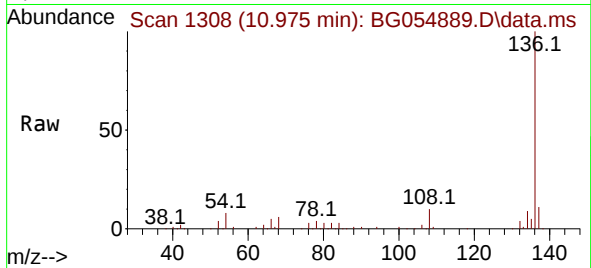
Instrument :

BNA\_G

ClientSampleId :

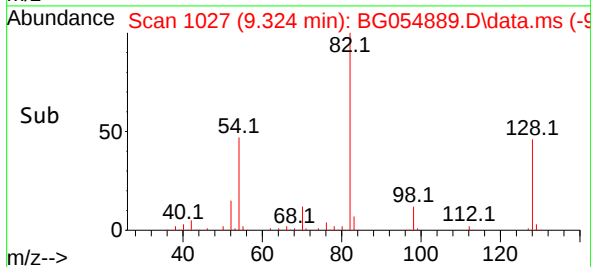
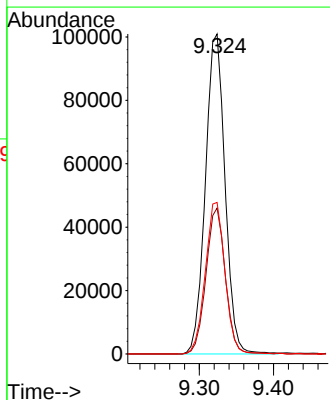
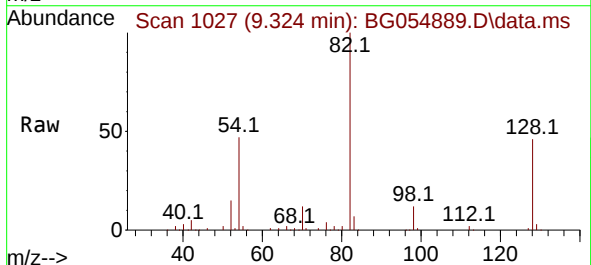
SB-18-COMP

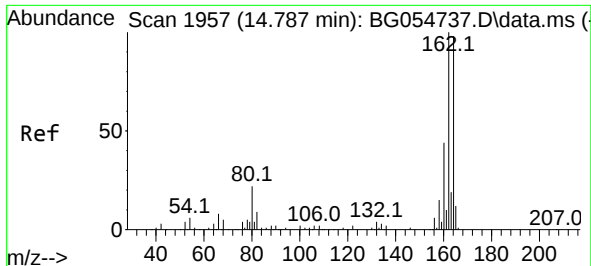
Tgt Ion:136 Resp: 165152  
Ion Ratio Lower Upper  
136 100  
137 11.4 9.2 13.8  
54 8.1 7.7 11.5  
68 5.9 5.6 8.4



#23  
Nitrobenzene-d5  
Concen: 59.013 ng  
RT: 9.324 min Scan# 1027  
Delta R.T. -0.003 min  
Lab File: BG054889.D  
Acq: 8 Sep 2022 18:36

Tgt Ion: 82 Resp: 185653  
Ion Ratio Lower Upper  
82 100  
128 45.6 32.2 48.2  
54 47.4 41.4 62.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.782 min Scan# 1956

Delta R.T. -0.009 min

Lab File: BG054889.D

Acq: 8 Sep 2022 18:36

Instrument :

BNA\_G

ClientSampleId :

SB-18-COMP

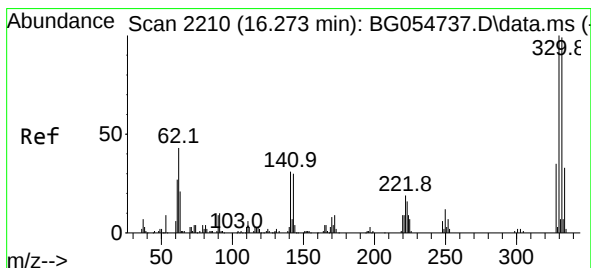
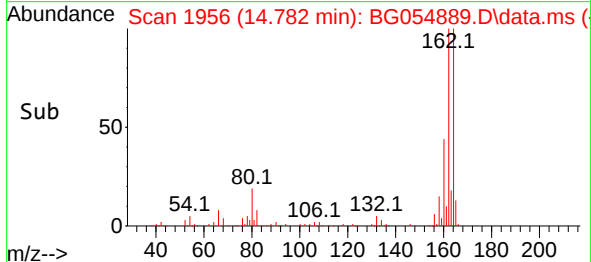
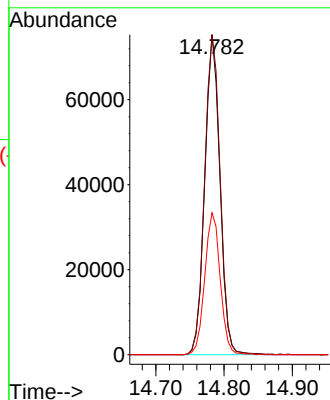
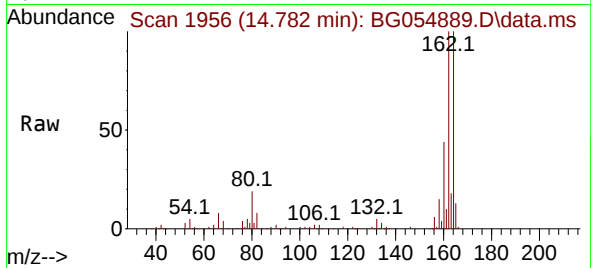
Tgt Ion:164 Resp: 116192

Ion Ratio Lower Upper

164 100

162 100.0 83.0 124.4

160 44.3 38.0 57.0



#42

2,4,6-Tribromophenol

Concen: 103.665 ng

RT: 16.269 min Scan# 2209

Delta R.T. -0.009 min

Lab File: BG054889.D

Acq: 8 Sep 2022 18:36

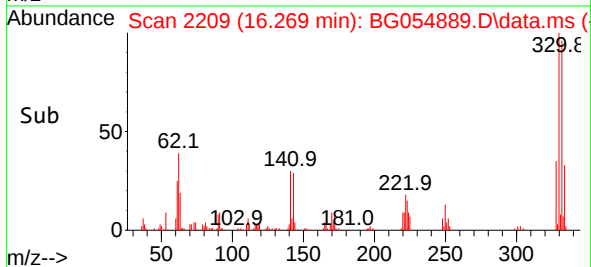
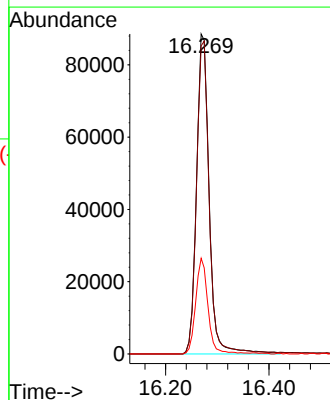
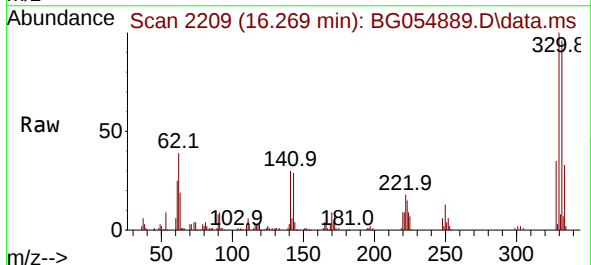
Tgt Ion:330 Resp: 150510

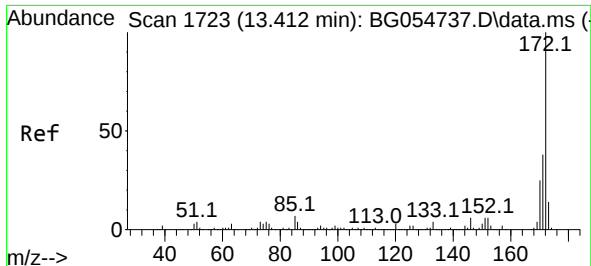
Ion Ratio Lower Upper

330 100

332 97.9 79.8 119.6

141 29.0 26.8 40.2

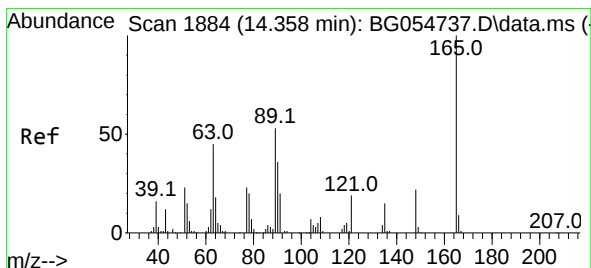
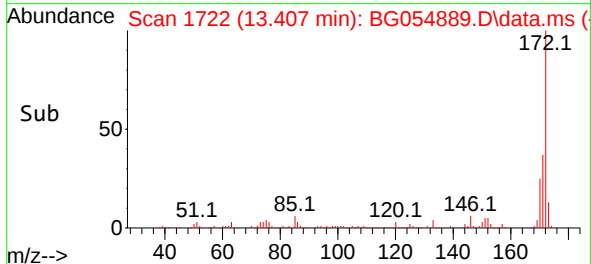
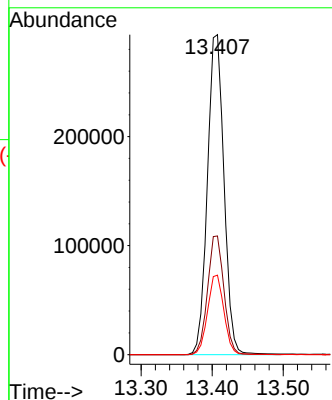
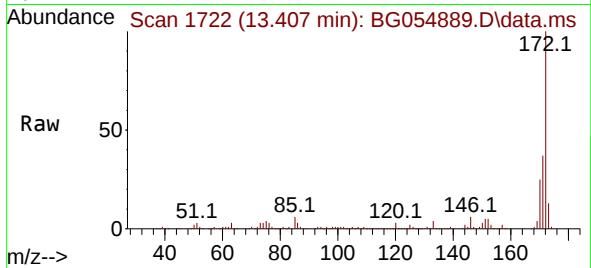




#45  
2-Fluorobiphenyl  
Concen: 61.636 ng  
RT: 13.407 min Scan# 1  
Delta R.T. -0.003 min  
Lab File: BG054889.D  
Acq: 8 Sep 2022 18:36

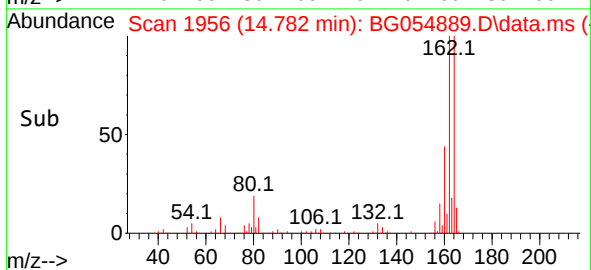
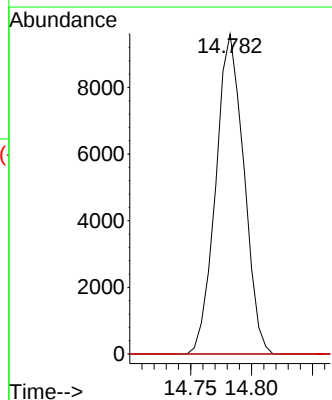
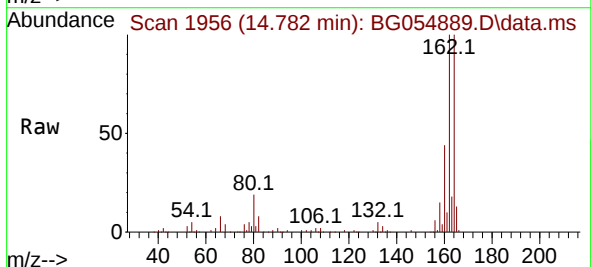
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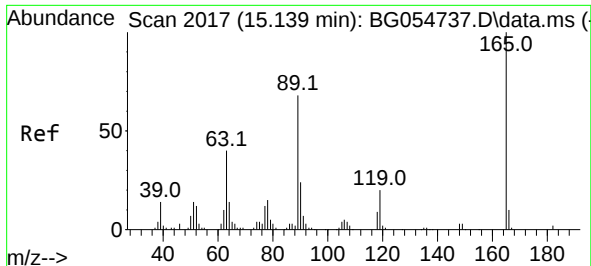
Tgt Ion:172 Resp: 476483  
Ion Ratio Lower Upper  
172 100  
171 37.1 31.2 46.8  
170 24.8 20.6 30.8



#51  
2,6-Dinitrotoluene  
Concen: 8.402 ng  
RT: 14.782 min Scan# 1956  
Delta R.T. 0.420 min  
Lab File: BG054889.D  
Acq: 8 Sep 2022 18:36

Tgt Ion:165 Resp: 15383  
Ion Ratio Lower Upper  
165 100  
63 0.0 46.0 69.0#  
89 0.0 50.3 75.5#





#57

2,4-Dinitrotoluene

Concen: 6.074 ng

RT: 14.782 min Scan# 1956

Delta R.T. -0.368 min

Lab File: BG054889.D

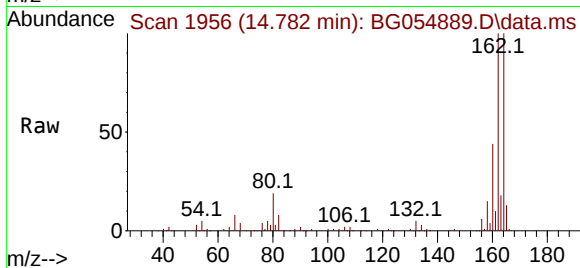
Acq: 8 Sep 2022 18:36

Instrument :

BNA\_G

ClientSampleId :

SB-18-COMP



Tgt Ion:165 Resp: 15383

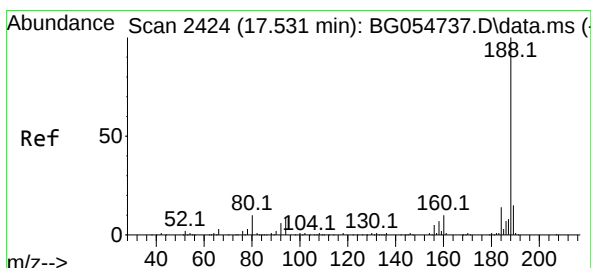
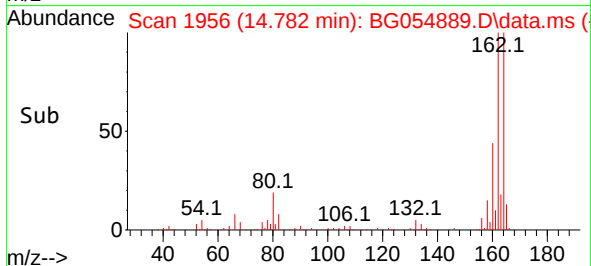
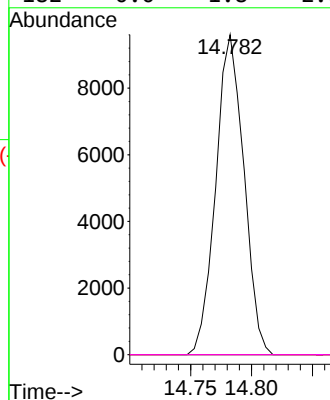
Ion Ratio Lower Upper

165 100

63 0.0 36.8 55.2#

89 0.0 64.3 96.5#

182 0.0 1.8 2.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.532 min Scan# 2424

Delta R.T. -0.003 min

Lab File: BG054889.D

Acq: 8 Sep 2022 18:36

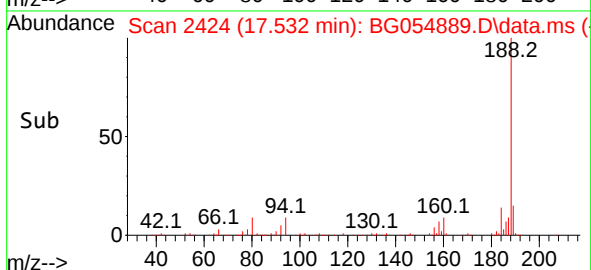
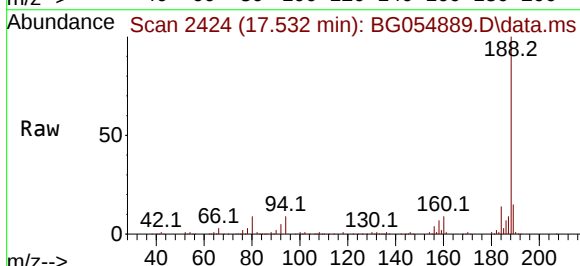
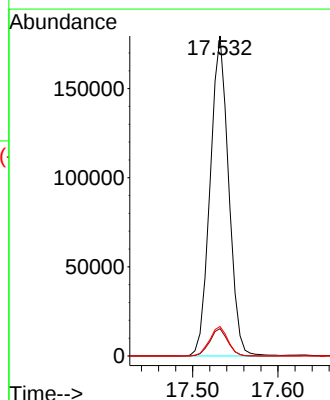
Tgt Ion:188 Resp: 270585

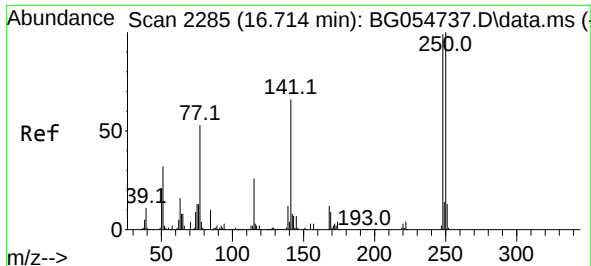
Ion Ratio Lower Upper

188 100

94 8.5 7.0 10.4

80 9.2 7.9 11.9

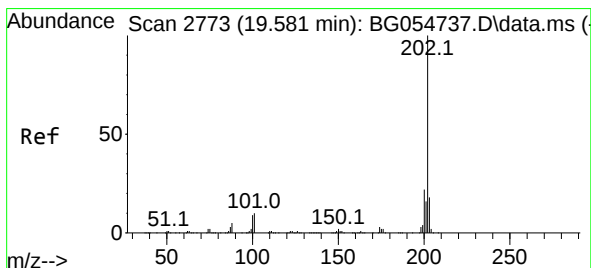
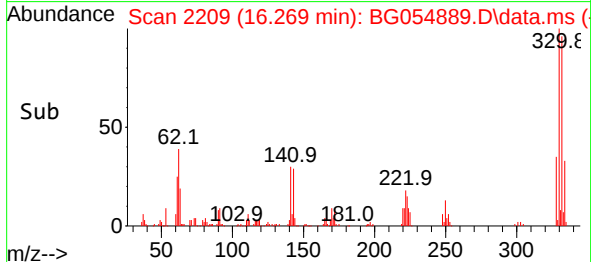
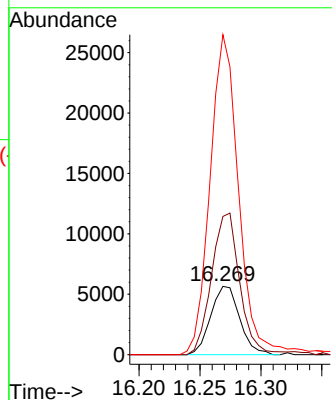
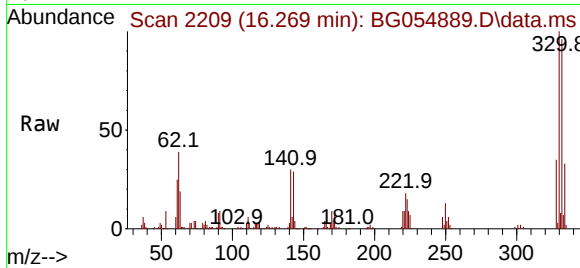




#67  
4-Bromophenyl-phenylether  
Concen: 3.141 ng  
RT: 16.269 min Scan# 211  
Delta R.T. -0.450 min  
Lab File: BG054889.D  
Acq: 8 Sep 2022 18:36

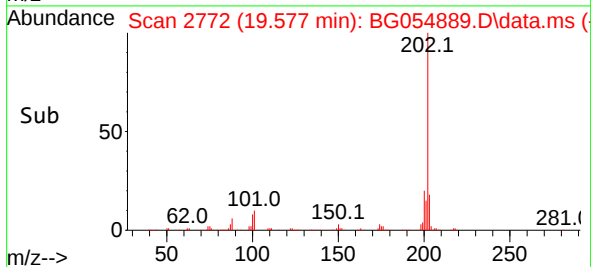
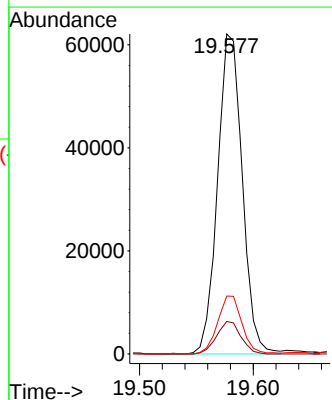
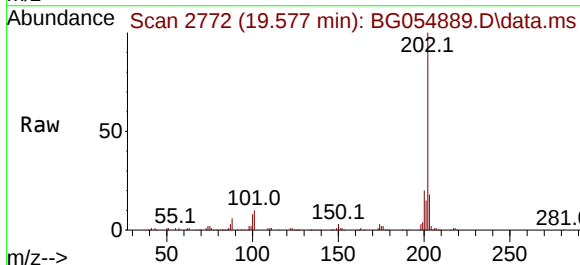
Instrument :  
BNA\_G  
ClientSampleId :  
SB-18-COMP

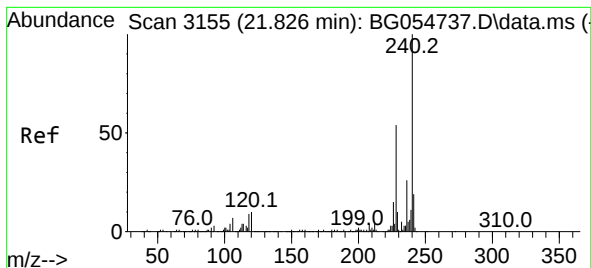
Tgt Ion:248 Resp: 9331  
Ion Ratio Lower Upper  
248 100  
250 202.1 78.8 118.2#  
141 467.9 51.9 77.9#



#75  
Fluoranthene  
Concen: 5.340 ng  
RT: 19.577 min Scan# 2772  
Delta R.T. -0.009 min  
Lab File: BG054889.D  
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Tgt Ion:202 Resp: 93633  
Ion Ratio Lower Upper  
202 100  
101 10.2 0.0 31.4  
203 18.1 0.0 38.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.827 min Scan# 3155

Delta R.T. -0.009 min

Lab File: BG054889.D

Acq: 8 Sep 2022 18:36

Instrument :

BNA\_G

ClientSampleId :

SB-18-COMP

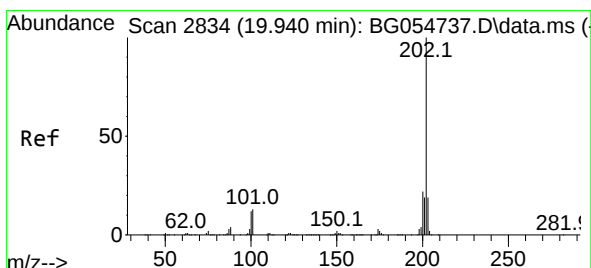
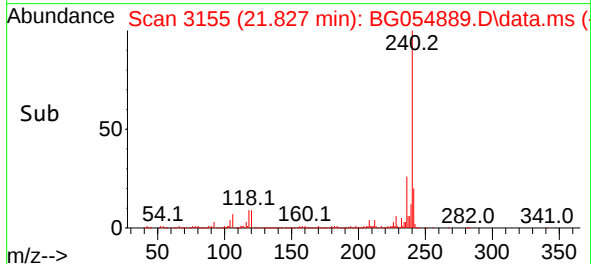
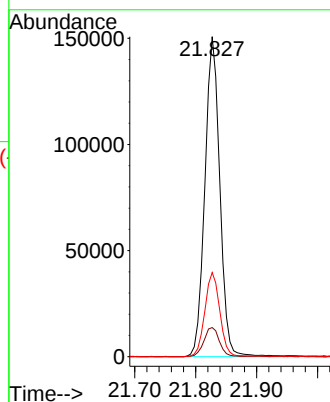
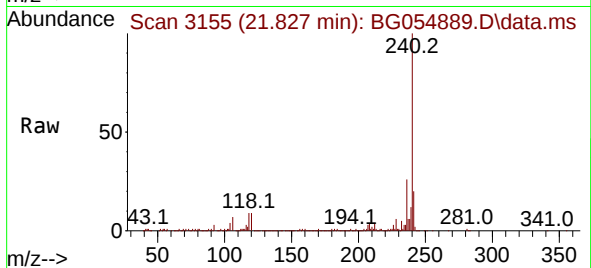
Tgt Ion:240 Resp: 256877

Ion Ratio Lower Upper

240 100

120 9.1 8.2 12.4

236 26.3 21.2 31.8



#78

Pyrene

Concen: 5.217 ng

RT: 19.941 min Scan# 2834

Delta R.T. -0.003 min

Lab File: BG054889.D

Acq: 8 Sep 2022 18:36

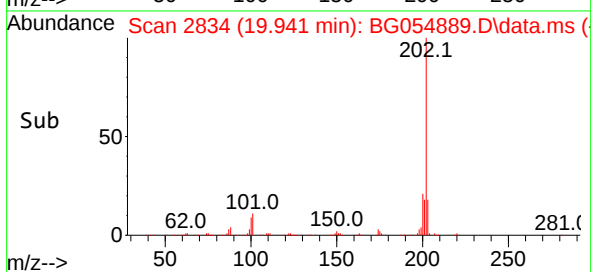
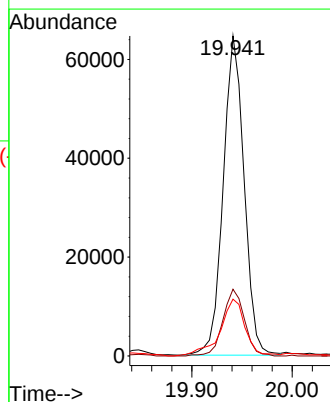
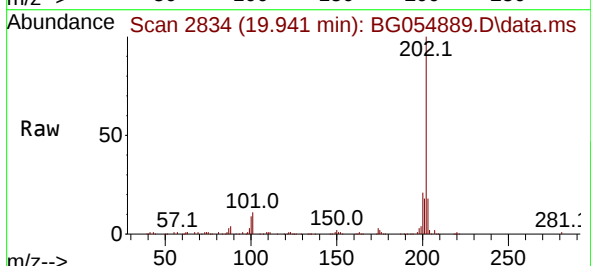
Tgt Ion:202 Resp: 93448

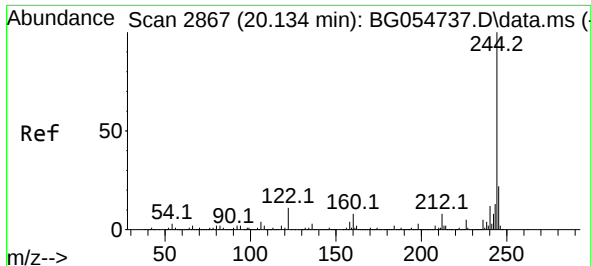
Ion Ratio Lower Upper

202 100

200 20.9 17.8 26.6

203 17.7 14.6 21.8

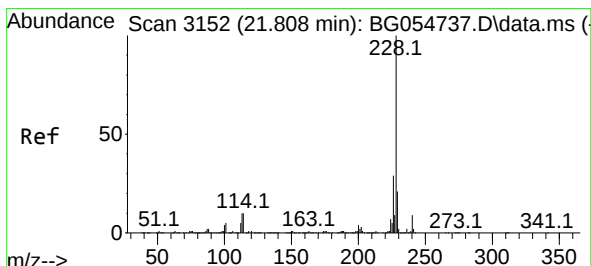
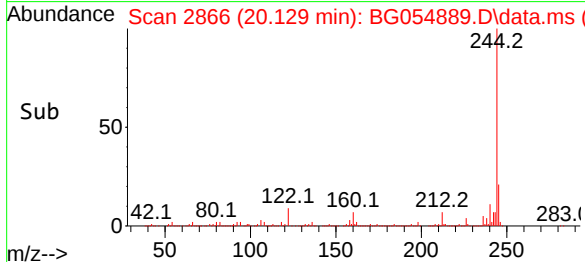
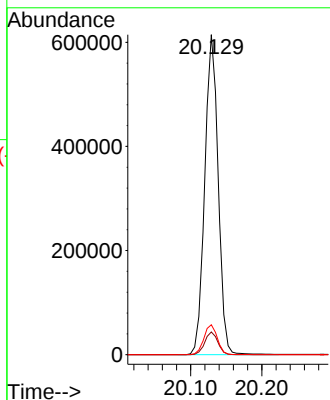
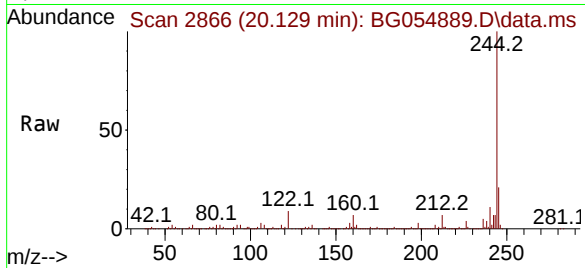




#79  
 Terphenyl-d14  
 Concen: 62.280 ng  
 RT: 20.129 min Scan# 21  
 Delta R.T. -0.003 min  
 Lab File: BG054889.D  
 Acq: 8 Sep 2022 18:36

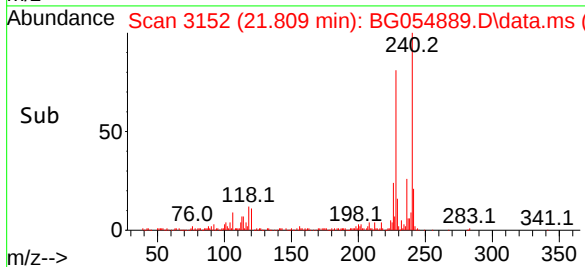
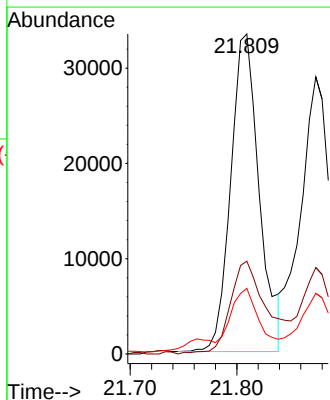
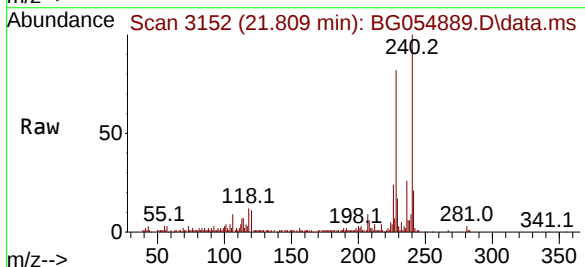
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-18-COMP

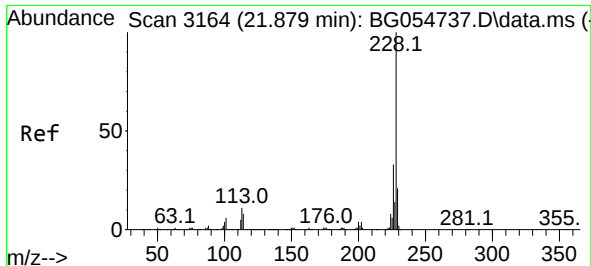
Tgt Ion:244 Resp: 807424  
 Ion Ratio Lower Upper  
 244 100  
 212 7.1 6.2 9.2  
 122 9.4 9.0 13.6



#81  
 Benzo(a)anthracene  
 Concen: 3.559 ng  
 RT: 21.809 min Scan# 3152  
 Delta R.T. -0.003 min  
 Lab File: BG054889.D  
 Acq: 8 Sep 2022 18:36

Tgt Ion:228 Resp: 61982  
 Ion Ratio Lower Upper  
 228 100  
 226 29.0 23.4 35.2  
 229 20.5 16.5 24.7

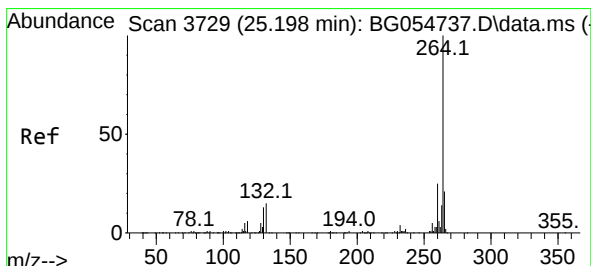
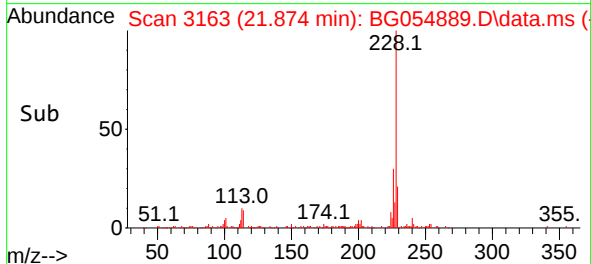
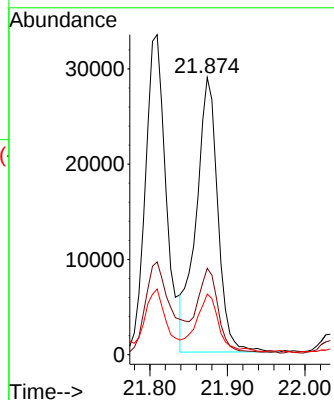
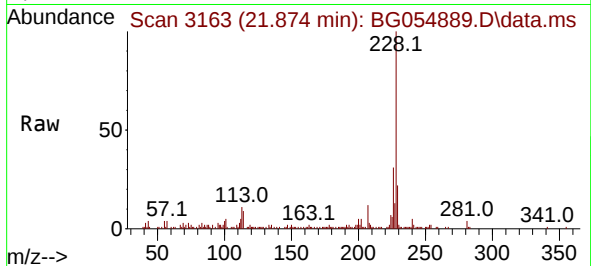




#83  
Chrysene  
Concen: 3.371 ng  
RT: 21.874 min Scan# 3163  
Delta R.T. -0.009 min  
Lab File: BG054889.D  
Acq: 8 Sep 2022 18:36

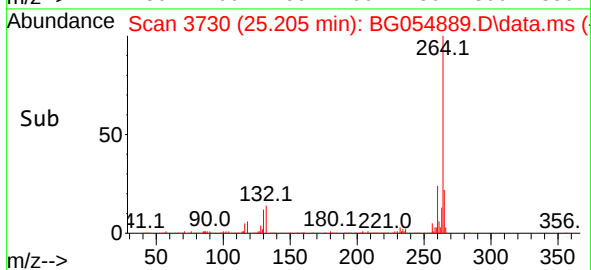
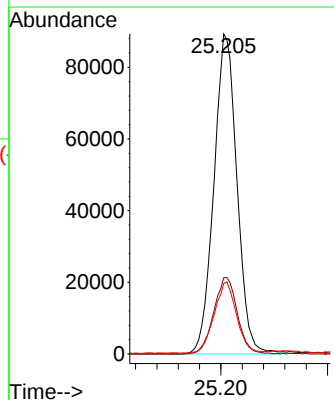
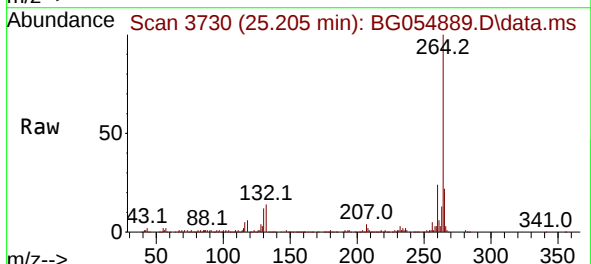
Instrument :  
BNA\_G  
ClientSampleId :  
SB-18-COMP

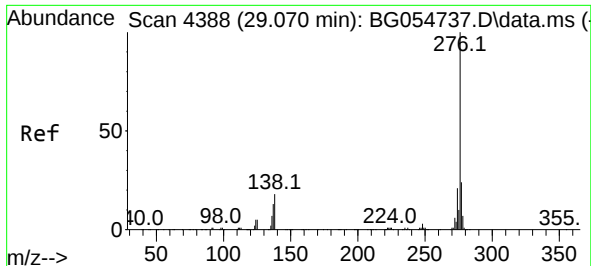
Tgt Ion:228 Resp: 56136  
Ion Ratio Lower Upper  
228 100  
226 31.2 25.5 38.3  
229 21.9 16.8 25.2



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 25.205 min Scan# 3730  
Delta R.T. -0.015 min  
Lab File: BG054889.D  
Acq: 8 Sep 2022 18:36

Tgt Ion:264 Resp: 268122  
Ion Ratio Lower Upper  
264 100  
260 23.8 19.9 29.9  
265 22.0 16.9 25.3

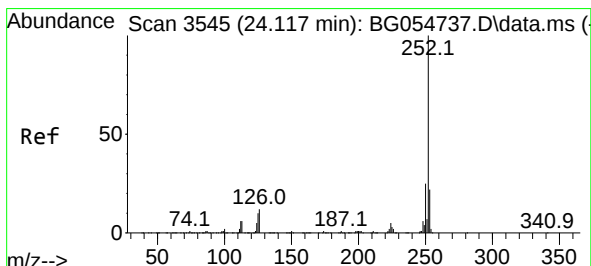
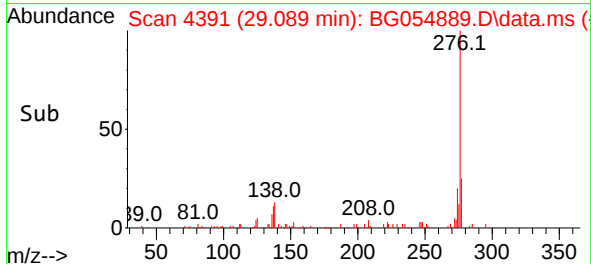
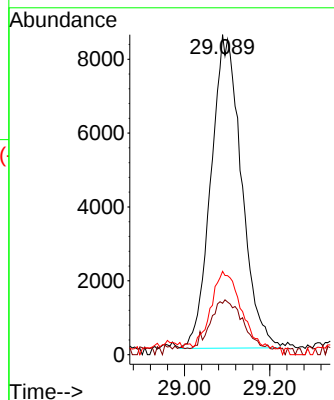
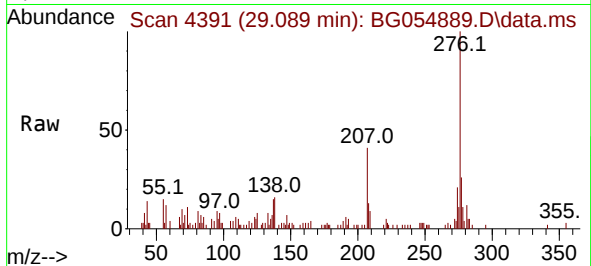




#87  
 Indeno(1,2,3-cd)pyrene  
 Concen: 2.072 ng  
 RT: 29.089 min Scan# 41  
 Delta R.T. -0.039 min  
 Lab File: BG054889.D  
 Acq: 8 Sep 2022 18:36

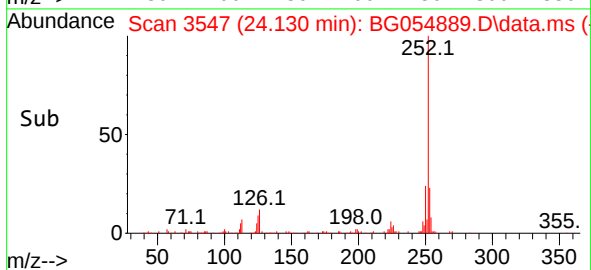
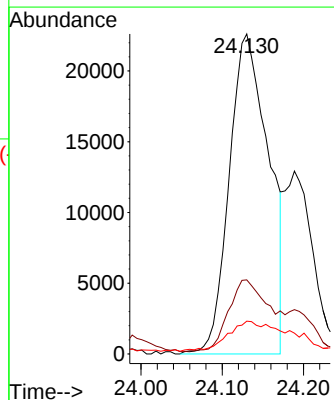
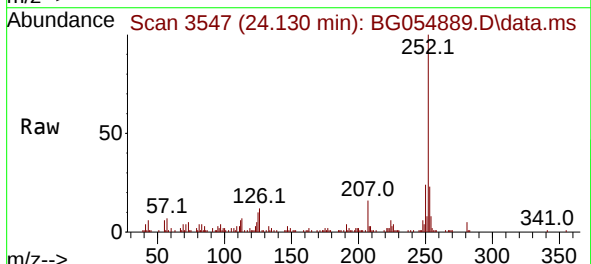
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-18-COMP

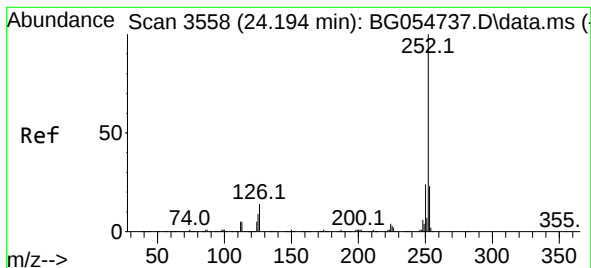
Tgt Ion:276 Resp: 42166  
 Ion Ratio Lower Upper  
 276 100  
 138 16.4 12.0 18.0  
 277 28.6 20.2 30.4



#88  
 Benzo(b)fluoranthene  
 Concen: 4.530 ng  
 RT: 24.130 min Scan# 3547  
 Delta R.T. -0.009 min  
 Lab File: BG054889.D  
 Acq: 8 Sep 2022 18:36

Tgt Ion:252 Resp: 76190  
 Ion Ratio Lower Upper  
 252 100  
 253 23.1 18.0 27.0  
 125 10.3 8.1 12.1





#89

Benzo(k)fluoranthene

Concen: 4.501 ng

RT: 24.130 min Scan# 3

Delta R.T. -0.080 min

Lab File: BG054889.D

Acq: 8 Sep 2022 18:36

Instrument :

BNA\_G

ClientSampleId :

SB-18-COMP

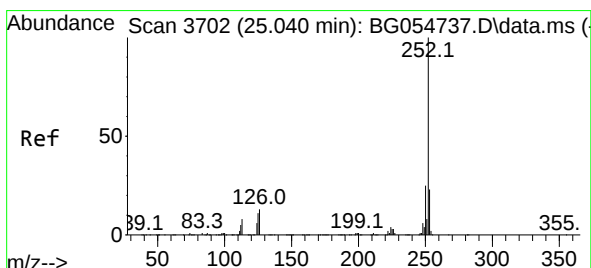
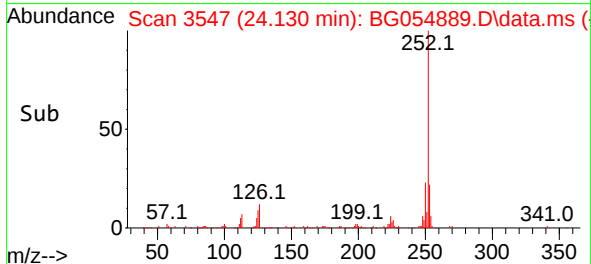
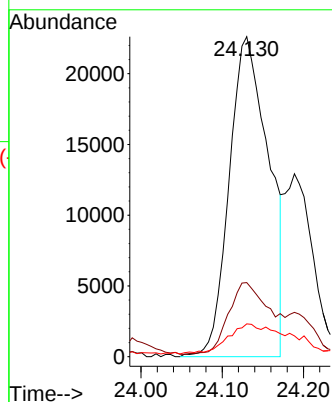
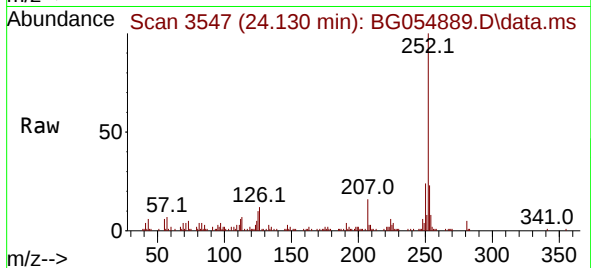
Tgt Ion:252 Resp: 76190

Ion Ratio Lower Upper

252 100

253 23.1 17.8 26.8

125 10.3 8.2 12.4



#90

Benzo(a)pyrene

Concen: 3.859 ng

RT: 25.047 min Scan# 3703

Delta R.T. -0.015 min

Lab File: BG054889.D

Acq: 8 Sep 2022 18:36

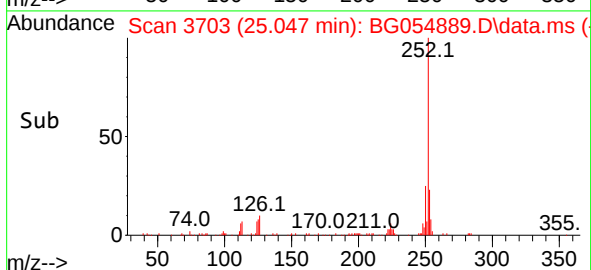
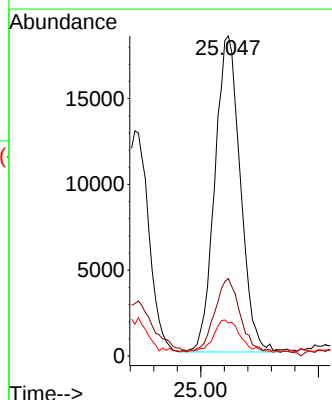
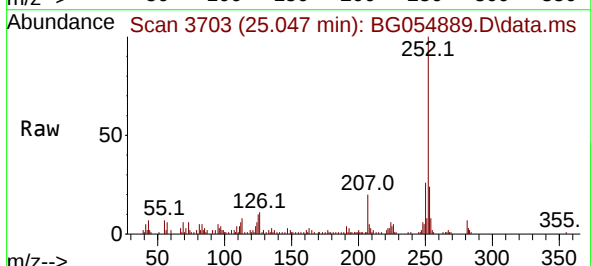
Tgt Ion:252 Resp: 55460

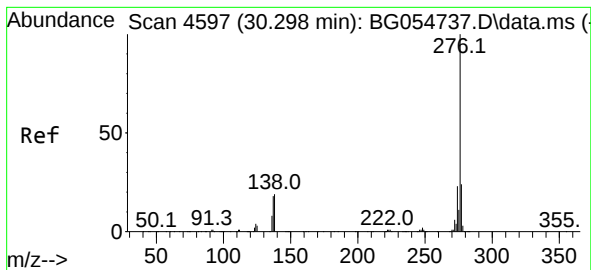
Ion Ratio Lower Upper

252 100

253 24.2 18.3 27.5

125 10.3 8.8 13.2





#92

Benzo(g,h,i)perylene

Concen: 2.656 ng

RT: 30.317 min Scan# 4

Delta R.T. -0.045 min

Lab File: BG054889.D

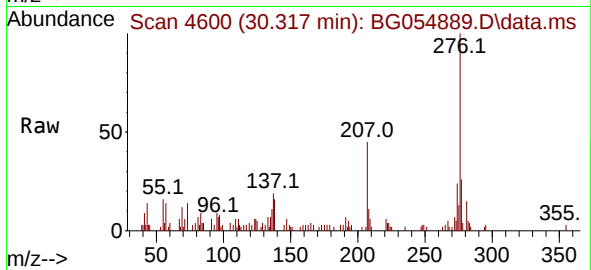
Acq: 8 Sep 2022 18:36

Instrument :

BNA\_G

ClientSampleId :

SB-18-COMP



Tgt Ion:276 Resp: 44495

Ion Ratio Lower Upper

276 100

277 26.5 19.4 29.0

138 15.7 16.6 25.0#

