

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

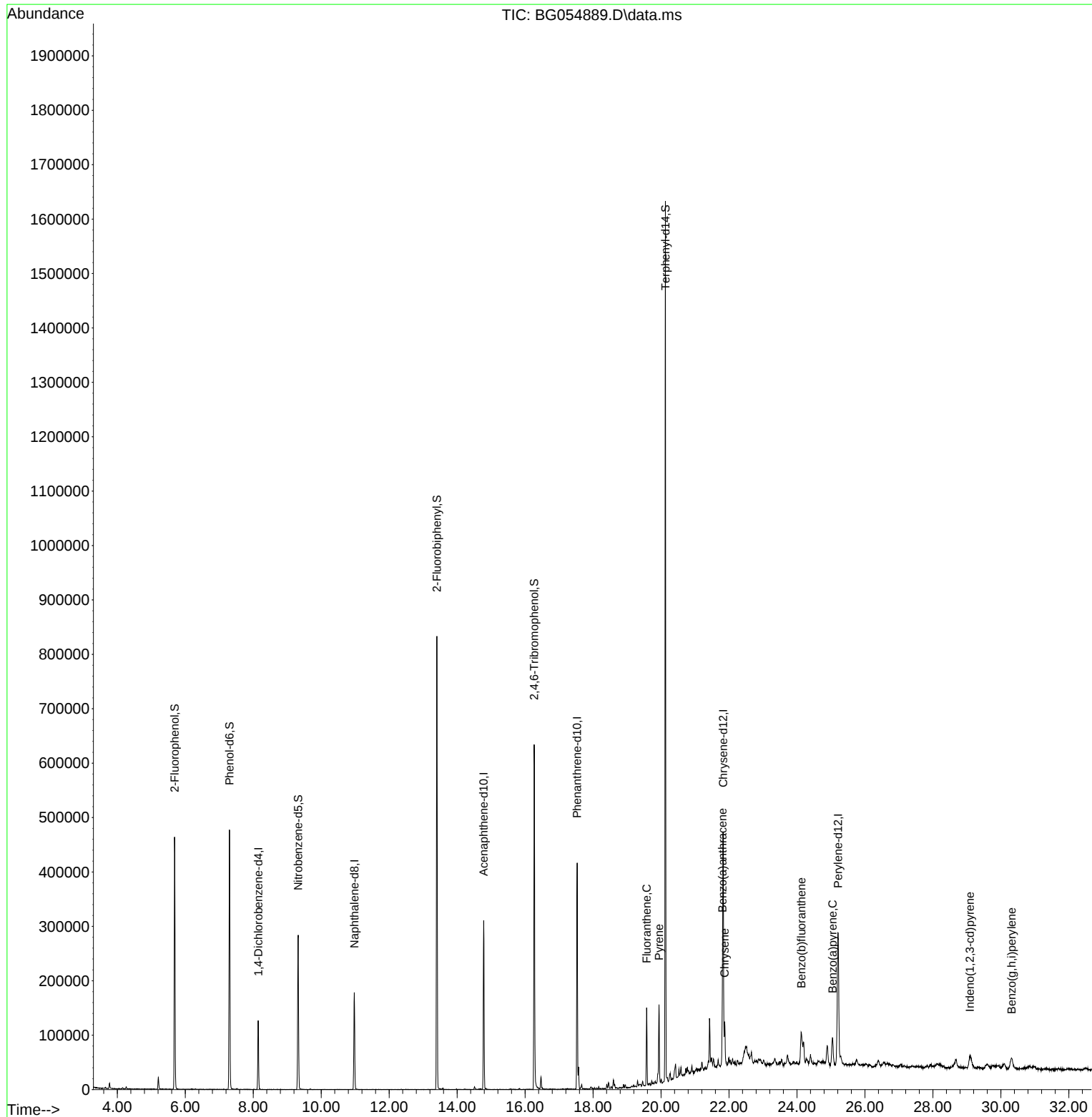
| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 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   |
| 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       |
| 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     |
| -----                       |        |      |          |         |       |          |

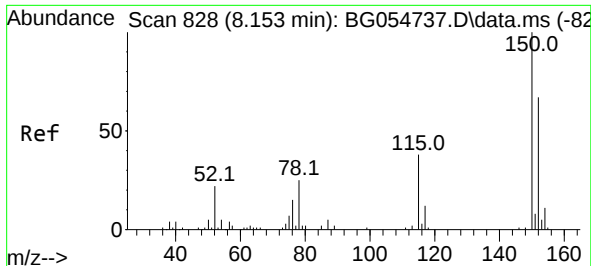
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG090822\  
Data File : BG054889.D  
Acq On : 8 Sep 2022 18:36  
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

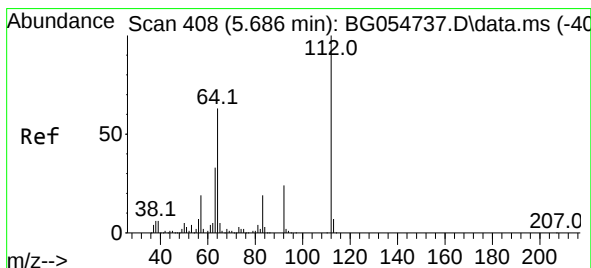
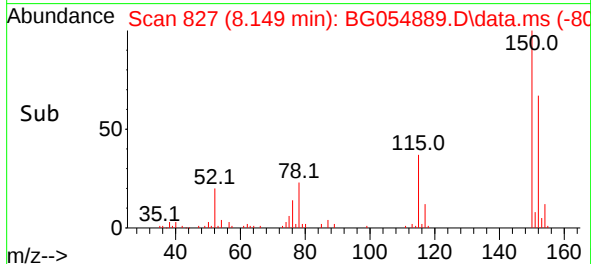
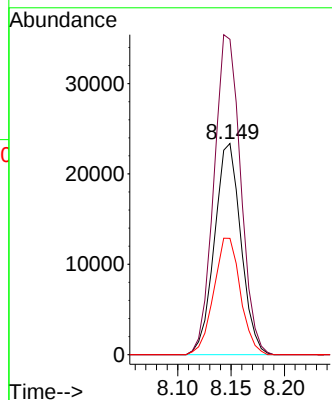
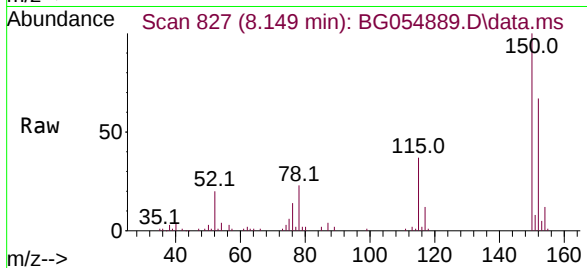




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.149 min Scan# 81  
Delta R.T. 0.003 min  
Lab File: BG054889.D  
Acq: 8 Sep 2022 18:36

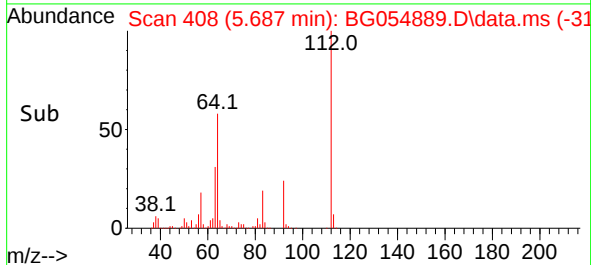
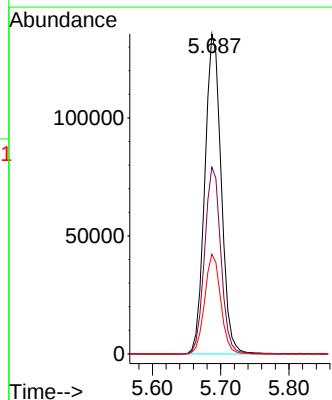
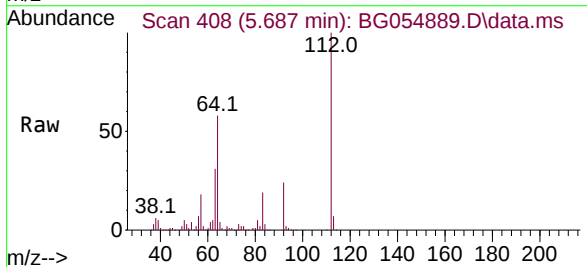
Instrument :  
BNA\_G  
ClientSampleId :  
SB-18-COMP

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

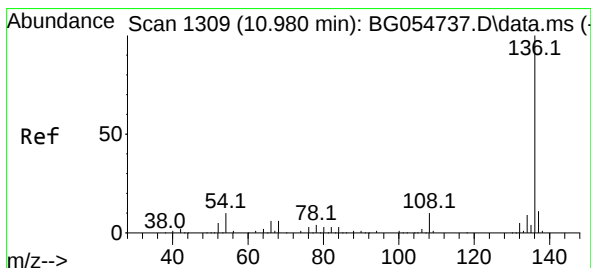
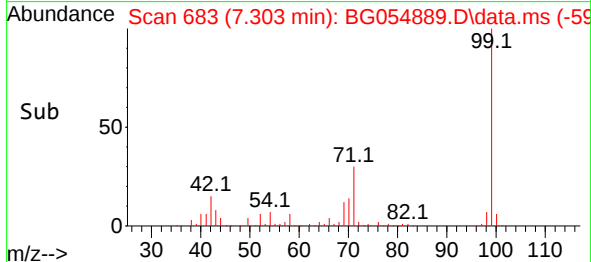
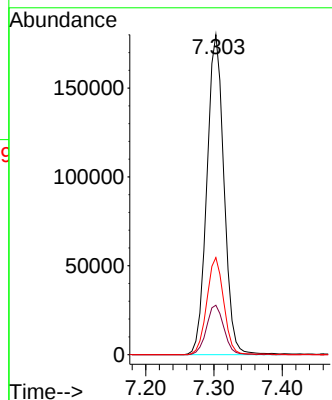
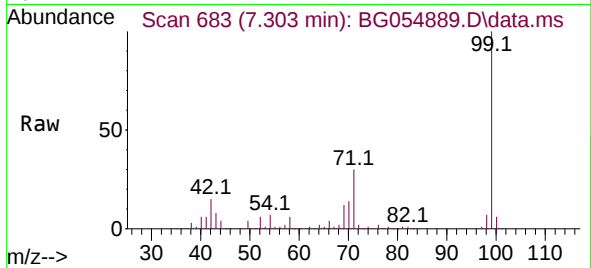




#7  
Phenol-d6  
Concen: 98.679 ng  
RT: 7.303 min Scan# 681  
Delta R.T. -0.003 min  
Lab File: BG054889.D  
Acq: 8 Sep 2022 18:36

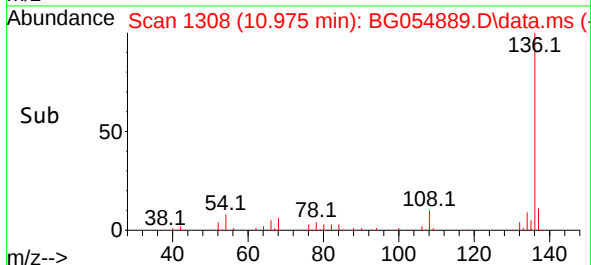
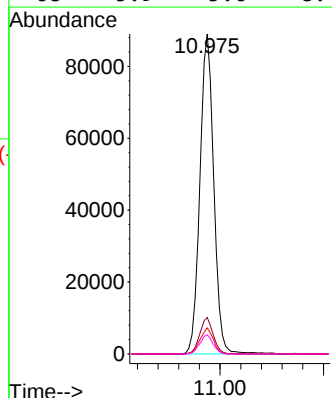
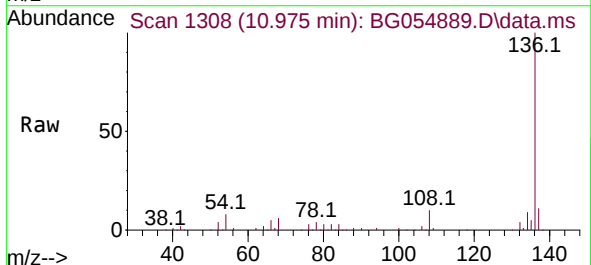
Instrument :  
BNA\_G  
ClientSampleId :  
SB-18-COMP

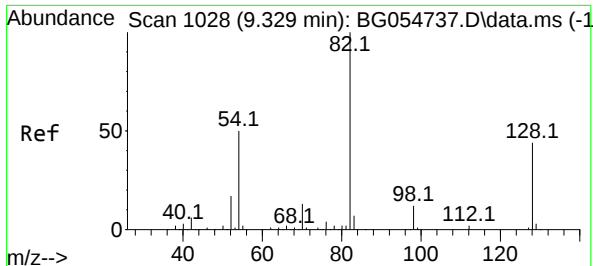
Tgt Ion: 99 Resp: 312439  
Ion Ratio Lower Upper  
99 100  
42 15.4 14.6 22.0  
71 30.3 24.6 37.0



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.975 min Scan# 1308  
Delta R.T. -0.003 min  
Lab File: BG054889.D  
Acq: 8 Sep 2022 18:36

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# 10

Delta R.T. -0.003 min

Lab File: BG054889.D

Acq: 8 Sep 2022 18:36

Instrument :

BNA\_G

ClientSampleId :

SB-18-COMP

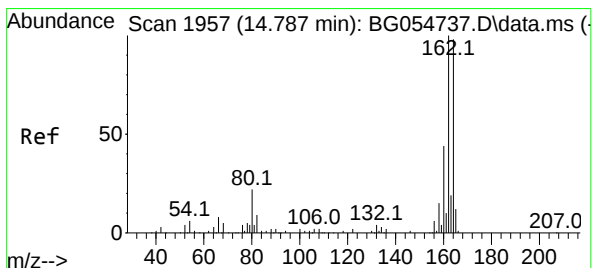
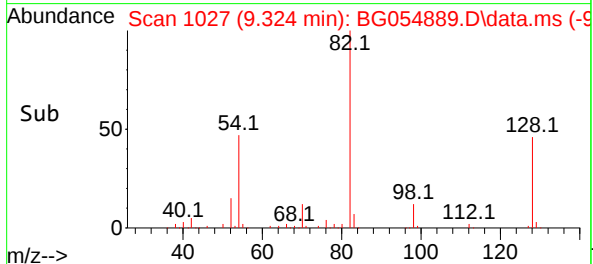
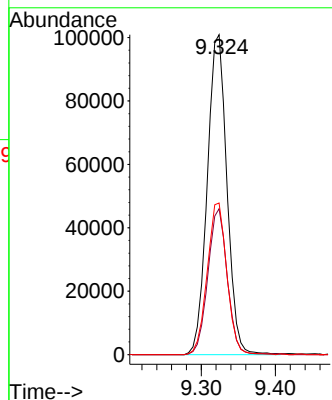
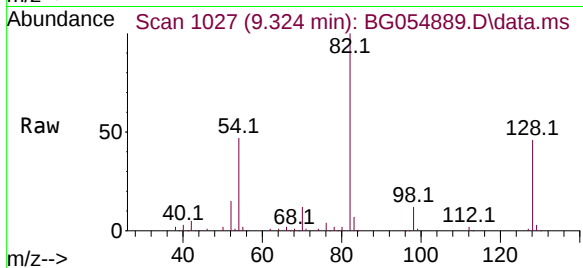
Tgt Ion: 82 Resp: 185653

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

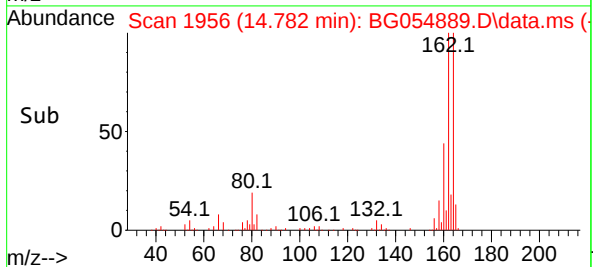
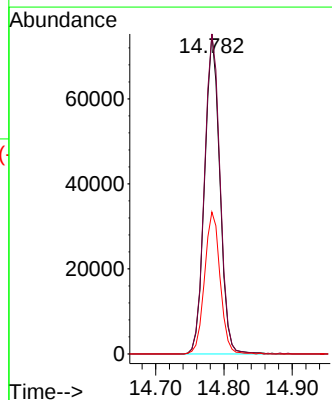
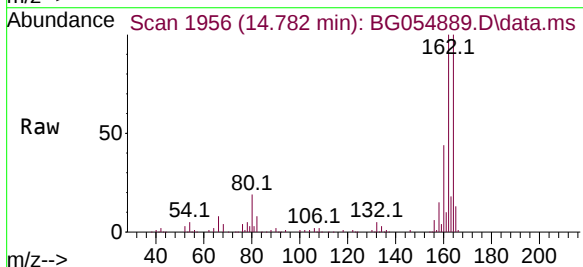
Tgt Ion:164 Resp: 116192

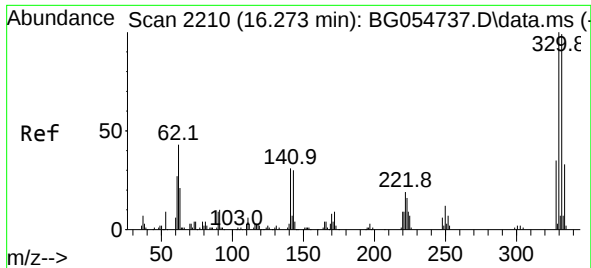
Ion Ratio Lower Upper

164 100

162 100.0 83.0 124.4

160 44.3 38.0 57.0

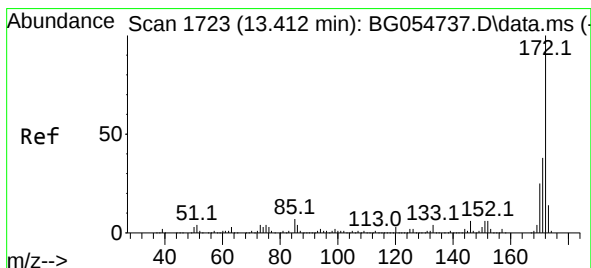
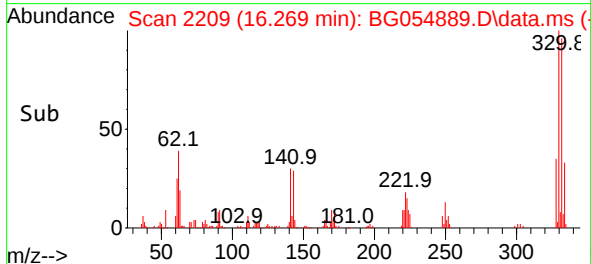
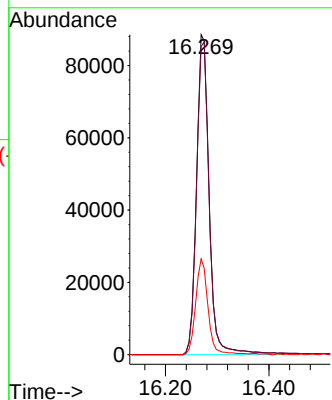
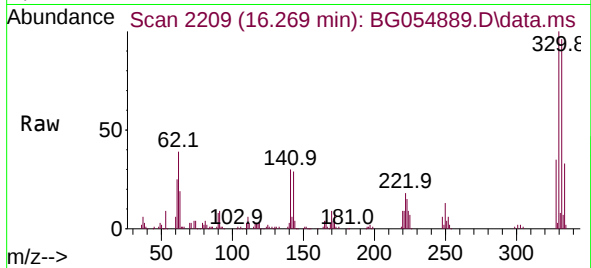




#42  
2,4,6-Tribromophenol  
Concen: 103.665 ng  
RT: 16.269 min Scan# 2210  
Delta R.T. -0.009 min  
Lab File: BG054889.D  
Acq: 8 Sep 2022 18:36

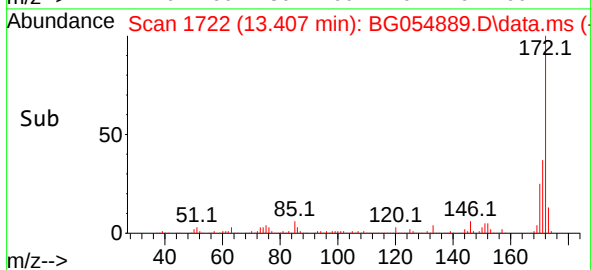
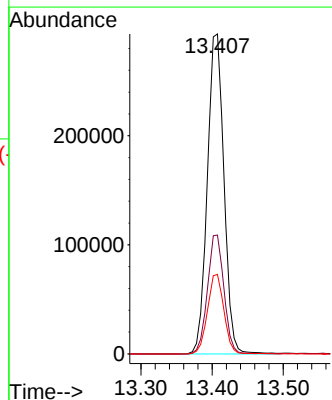
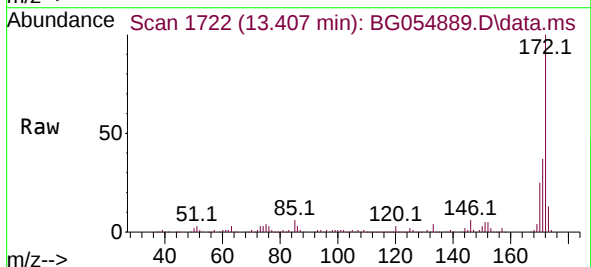
Instrument :  
BNA\_G  
ClientSampleId :  
SB-18-COMP

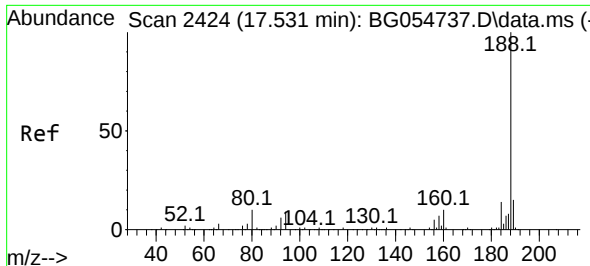
Tgt Ion:330 Resp: 150510  
Ion Ratio Lower Upper  
330 100  
332 97.9 79.8 119.6  
141 29.0 26.8 40.2



#45  
2-Fluorobiphenyl  
Concen: 61.636 ng  
RT: 13.407 min Scan# 1722  
Delta R.T. -0.003 min  
Lab File: BG054889.D  
Acq: 8 Sep 2022 18:36

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

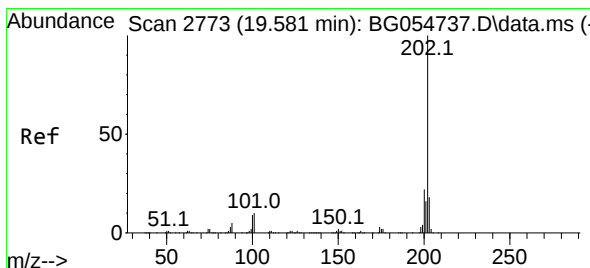
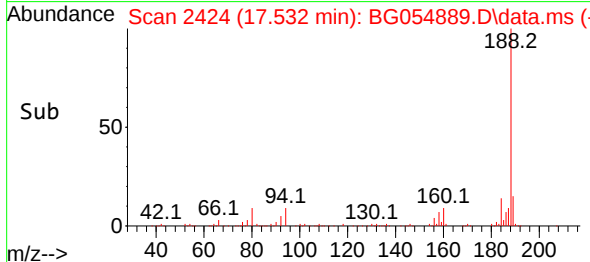
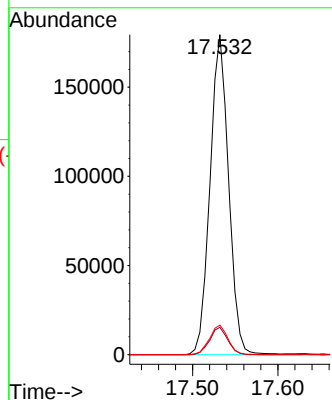
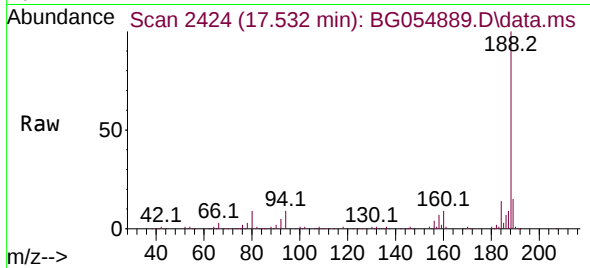




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.532 min Scan# 24  
Delta R.T. -0.003 min  
Lab File: BG054889.D  
Acq: 8 Sep 2022 18:36

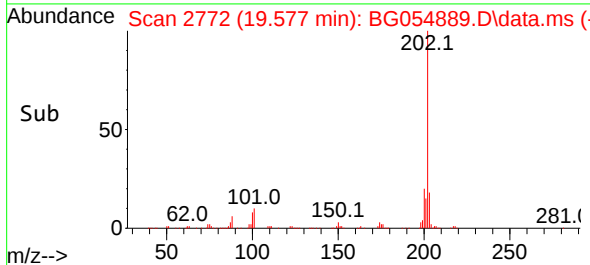
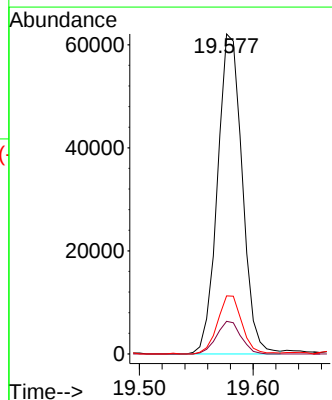
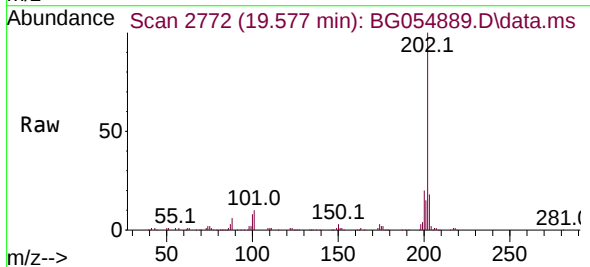
Instrument :  
BNA\_G  
ClientSampleId :  
SB-18-COMP

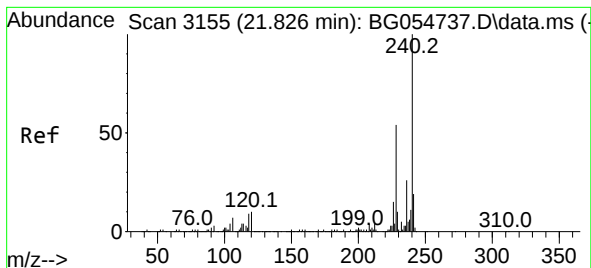
Tgt Ion:188 Resp: 270585  
Ion Ratio Lower Upper  
188 100  
94 8.5 7.0 10.4  
80 9.2 7.9 11.9



#75  
Fluoranthene  
Concen: 5.340 ng  
RT: 19.577 min Scan# 2772  
Delta R.T. -0.009 min  
Lab File: BG054889.D  
Acq: 8 Sep 2022 18:36

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

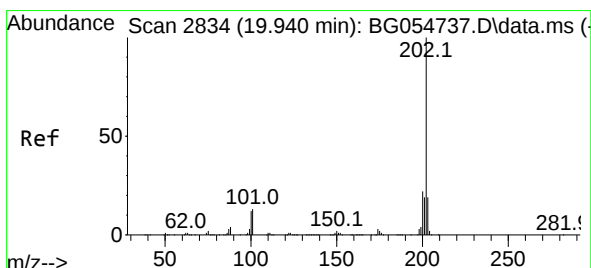
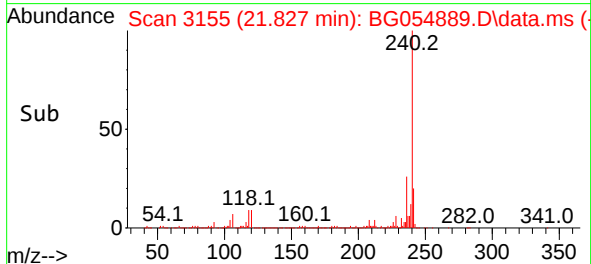
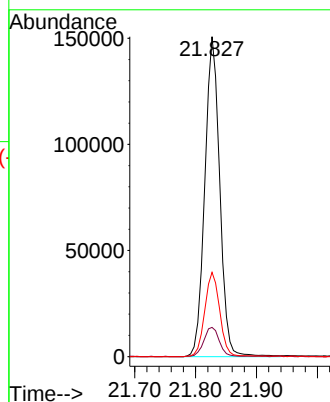
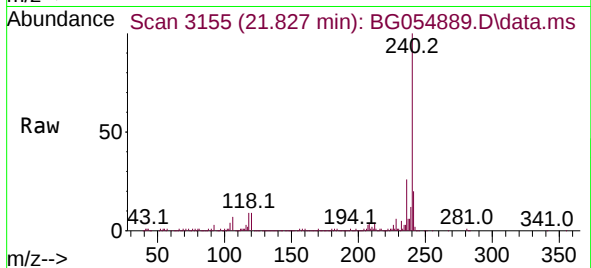
Tgt Ion:240 Resp: 256877

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

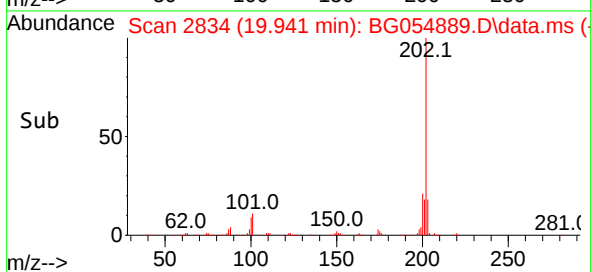
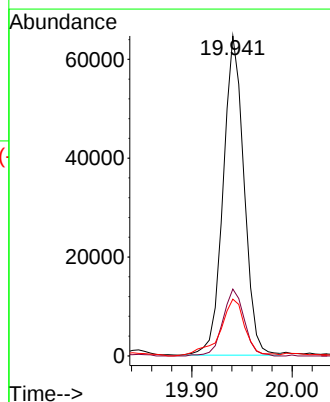
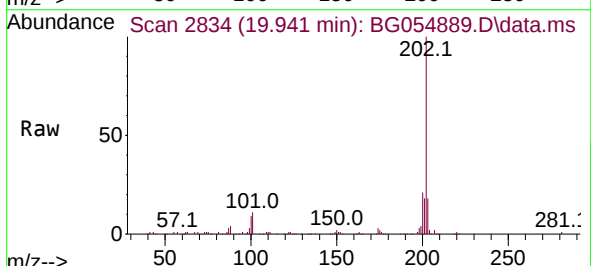
Tgt Ion:202 Resp: 93448

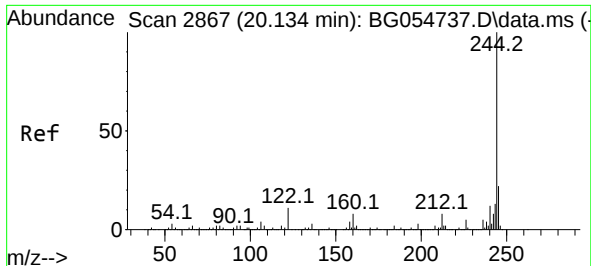
Ion Ratio Lower Upper

202 100

200 20.9 17.8 26.6

203 17.7 14.6 21.8

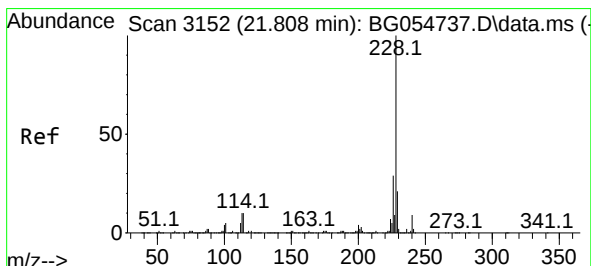
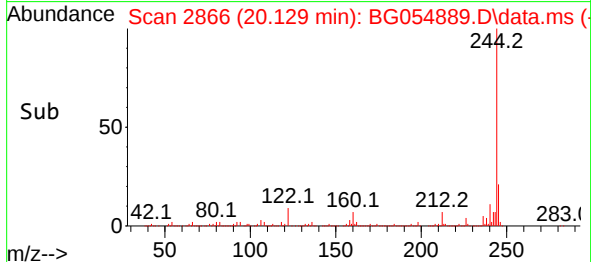
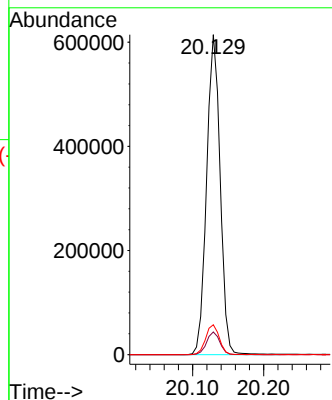
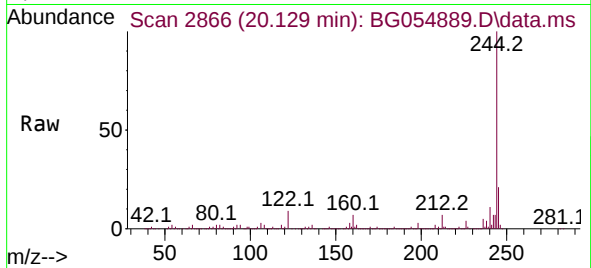




#79  
 Terphenyl-d14  
 Concen: 62.280 ng  
 RT: 20.129 min Scan# 2866  
 Delta R.T. -0.003 min  
 Lab File: BG054889.D  
 Acq: 8 Sep 2022 18:36

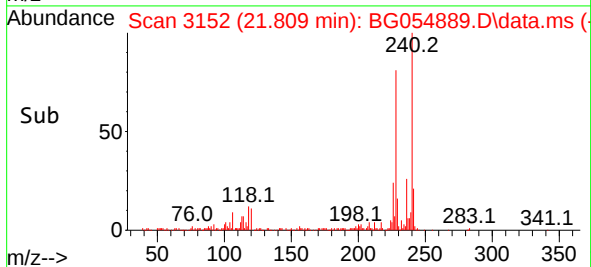
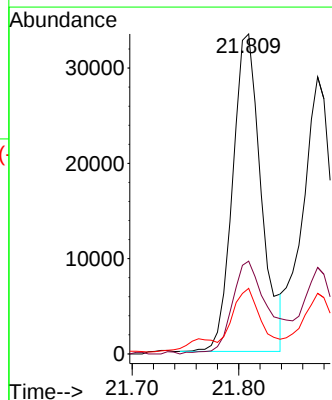
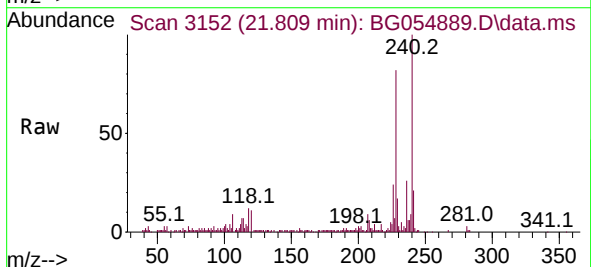
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-18-COMP

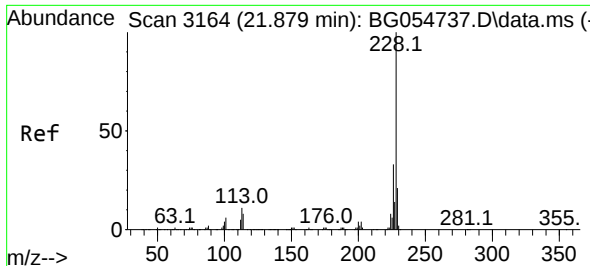
Tgt Ion:244 Resp: 807424  
 Ion Ratio Lower Upper  
 244 100  
 212 7.1 6.2 9.2  
 122 9.4 9.0 13.6



#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

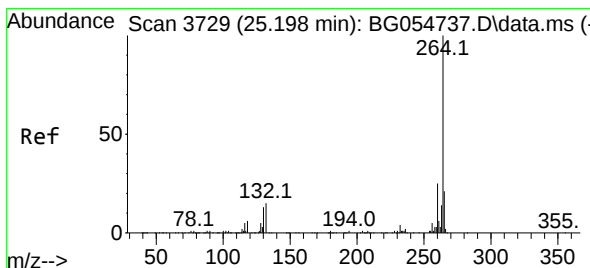
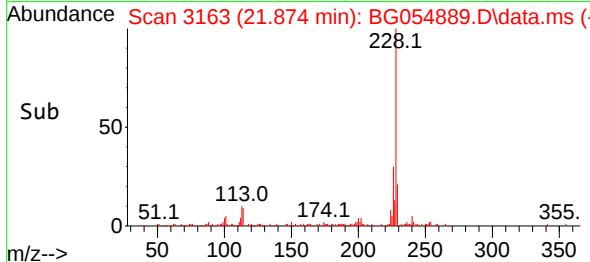
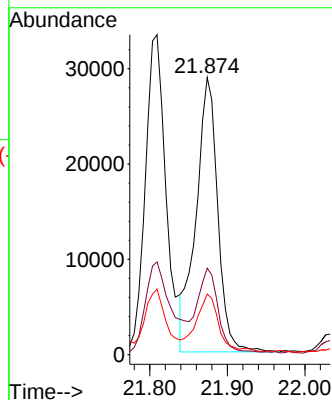
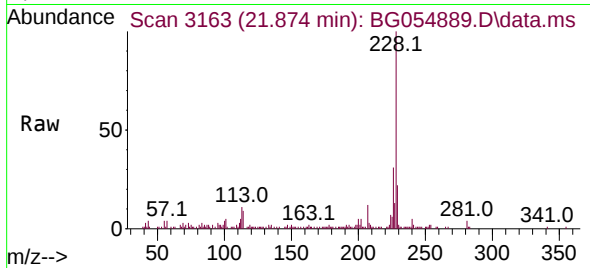




#83  
Chrysene  
Concen: 3.371 ng  
RT: 21.874 min Scan# 3163  
Delta R.T. -0.009 min  
Lab File: BG054889.D  
Acq: 8 Sep 2022 18:36

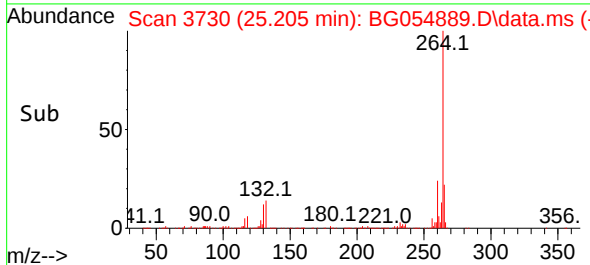
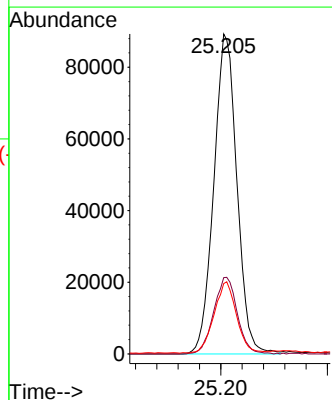
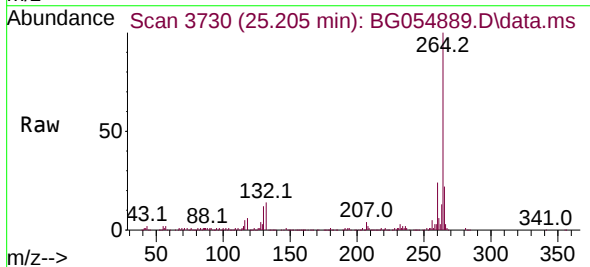
Instrument :  
BNA\_G  
ClientSampleId :  
SB-18-COMP

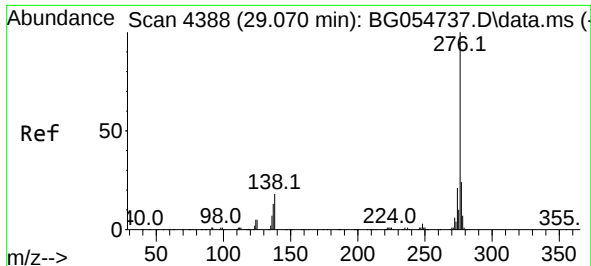
Tgt Ion:228 Resp: 56136  
Ion Ratio Lower Upper  
228 100  
226 31.2 25.5 38.3  
229 21.9 16.8 25.2



#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

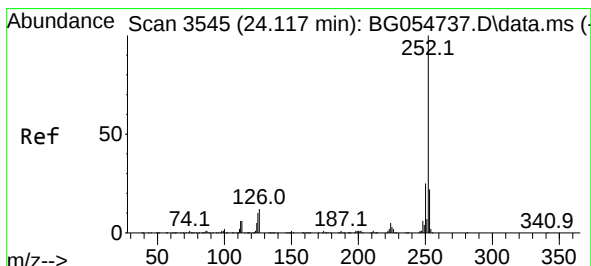
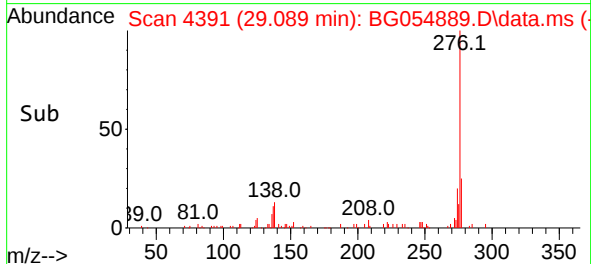
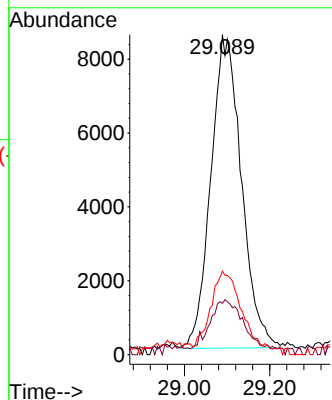
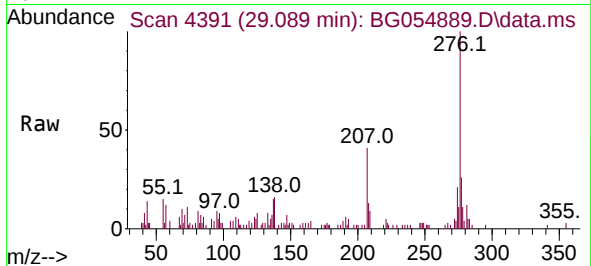




#87  
 Indeno(1,2,3-cd)pyrene  
 Concen: 2.072 ng  
 RT: 29.089 min Scan# 4388  
 Delta R.T. -0.039 min  
 Lab File: BG054889.D  
 Acq: 8 Sep 2022 18:36

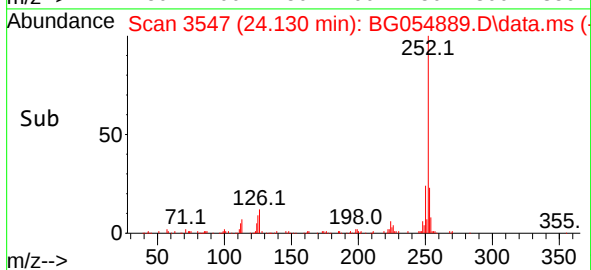
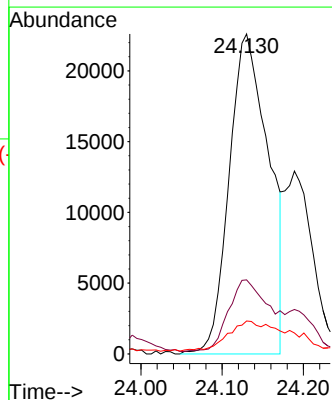
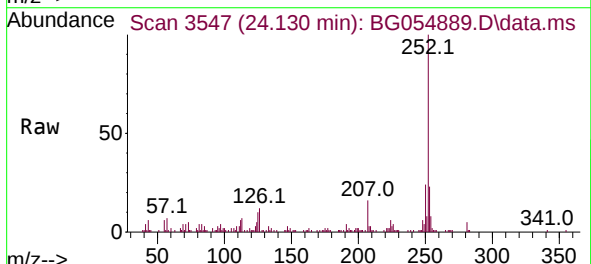
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-18-COMP

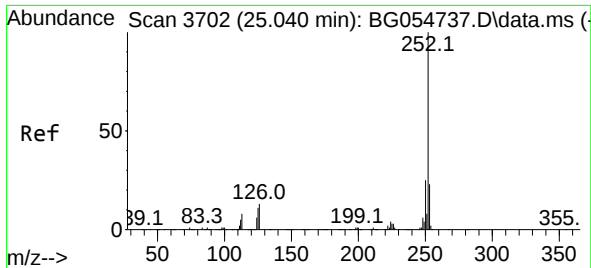
Tgt Ion:276 Resp: 42166  
 Ion Ratio Lower Upper  
 276 100  
 138 16.4 12.0 18.0  
 277 28.6 20.2 30.4



#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

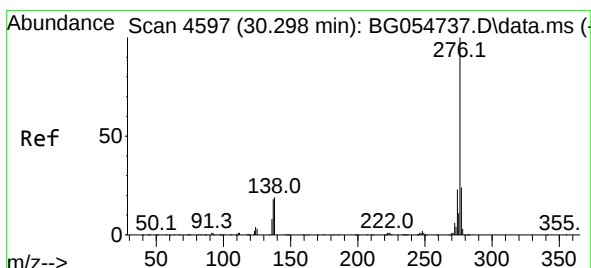
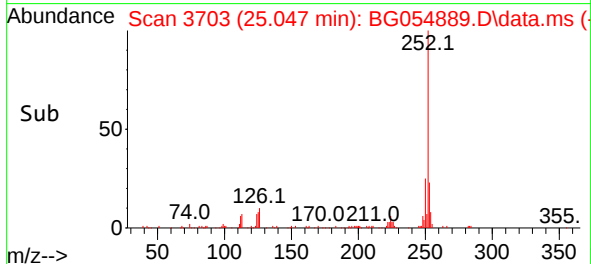
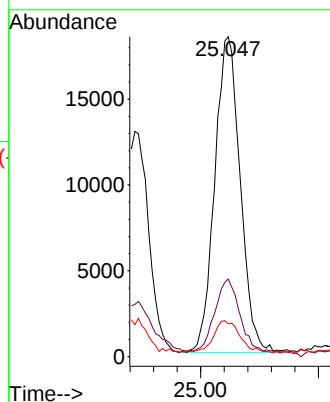
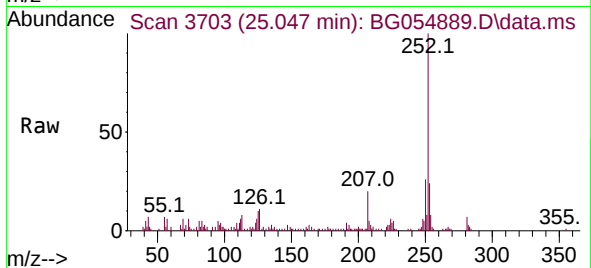




#90  
Benzo(a)pyrene  
Concen: 3.859 ng  
RT: 25.047 min Scan# 31  
Delta R.T. -0.015 min  
Lab File: BG054889.D  
Acq: 8 Sep 2022 18:36

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

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# 4600  
Delta R.T. -0.045 min  
Lab File: BG054889.D  
Acq: 8 Sep 2022 18:36

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#

