

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG090822\  
 Data File : BG054886.D  
 Acq On : 8 Sep 2022 16:28  
 Operator : CG/JU  
 Sample : N4537-03  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW6

Quant Time: Sep 09 02:50:01 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

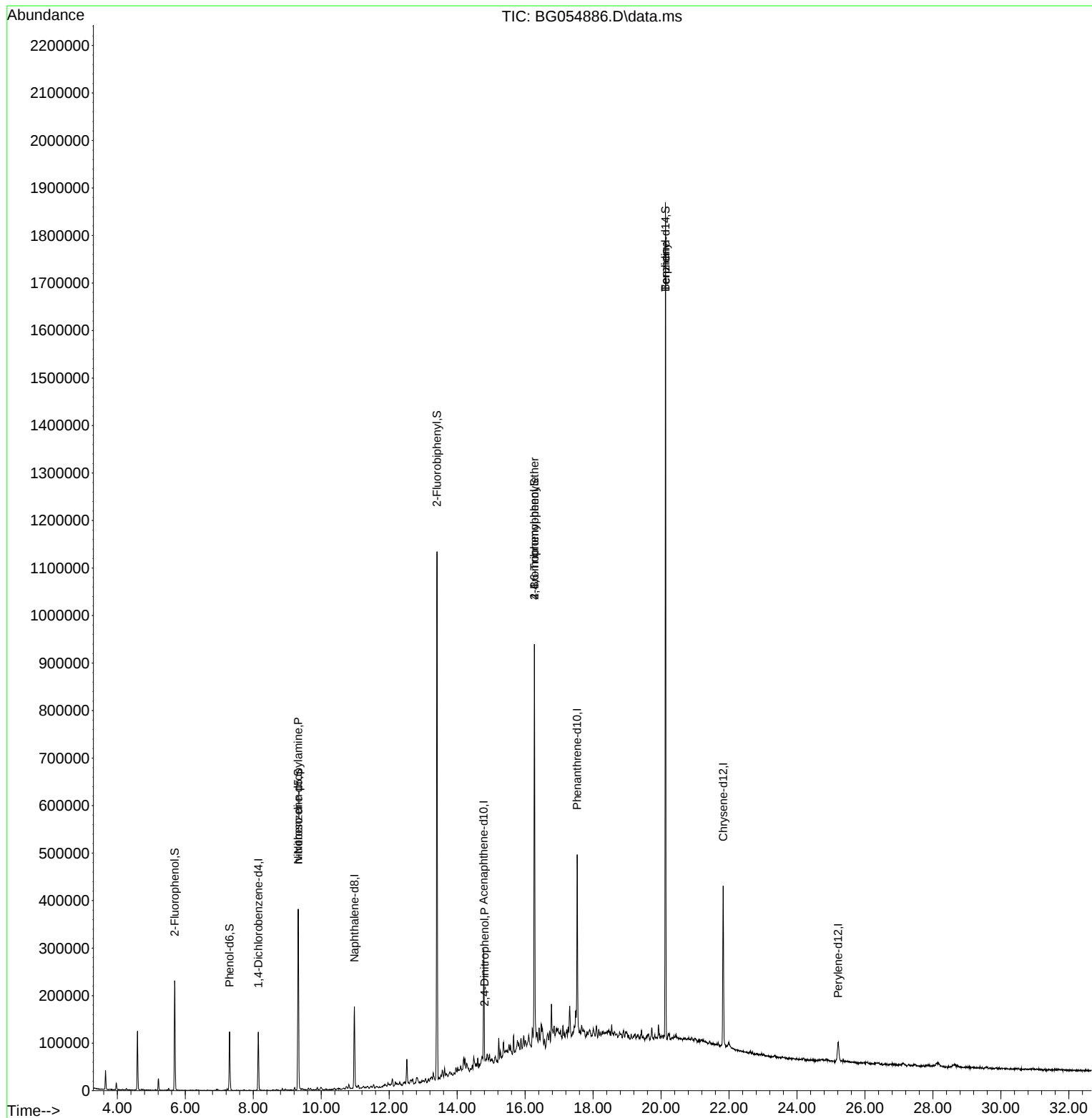
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.149  | 152  | 38085    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.975 | 136  | 156144   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.782 | 164  | 89528    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.532 | 188  | 226091   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.827 | 240  | 222648   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 25.205 | 264  | 29984    | 20.000  | ng    | -0.02    |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.687  | 112  | 112079   | 51.246  | ng    | 0.00     |
| 7) Phenol-d6                  | 7.303  | 99   | 78076    | 26.103  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.324  | 82   | 244910   | 82.340  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.274 | 330  | 186083   | 166.337 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.407 | 172  | 608076   | 102.085 | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.135 | 244  | 913343   | 81.280  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
| 19) n-Nitroso-di-n-propyla... | 9.324  | 70   | 31526    | 15.328  | ng    | # 81     |
| 54) 2,4-Dinitrophenol         | 14.806 | 184  | 312      | 7.059   | ng    | # 36     |
| 67) 4-Bromophenyl-phenylether | 16.274 | 248  | 11990    | 4.830   | ng    | # 1      |
| 77) Benzidine                 | 20.129 | 184  | 13368    | 2.424   | ng    | # 78     |
| -----                         |        |      |          |         |       |          |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG090822\  
Data File : BG054886.D  
Acq On : 8 Sep 2022 16:28  
Operator : CG/JU  
Sample : N4537-03  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
MW6

Quant Time: Sep 09 02:50:01 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

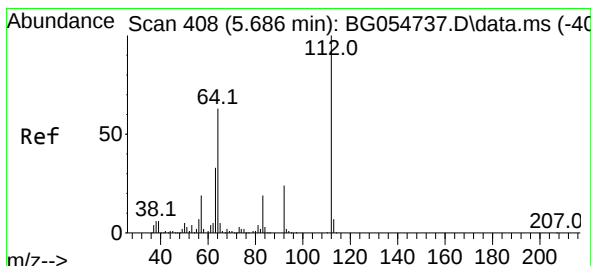
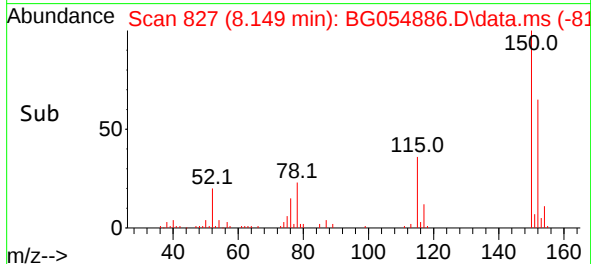
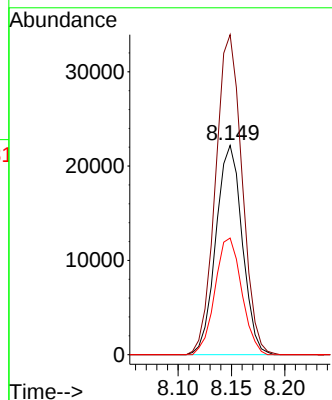
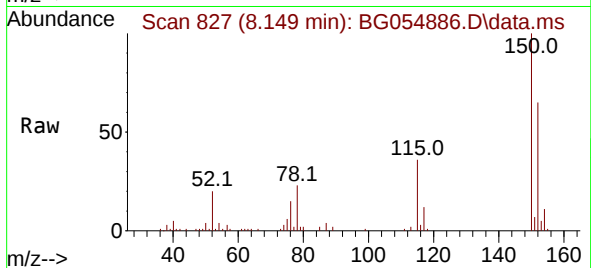




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.149 min Scan# 81  
Delta R.T. 0.003 min  
Lab File: BG054886.D  
Acq: 8 Sep 2022 16:28

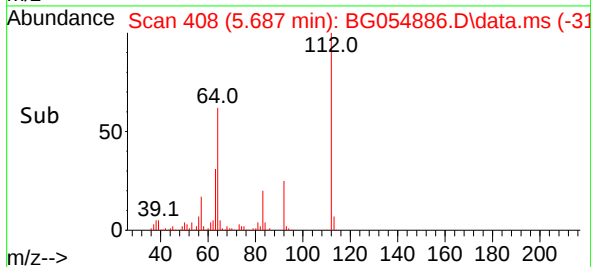
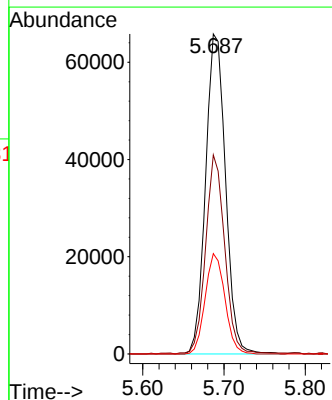
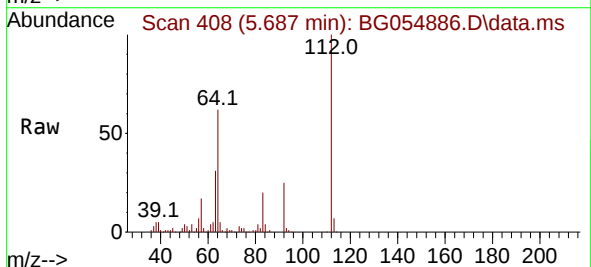
Instrument :  
BNA\_G  
ClientSampleId :  
MW6

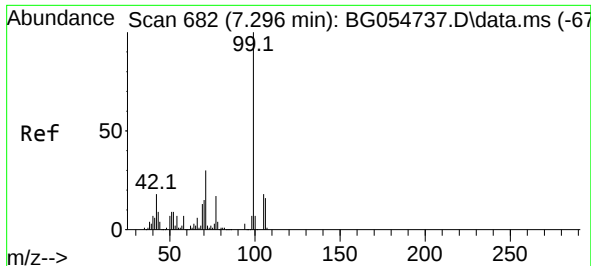
Tgt Ion:152 Resp: 38085  
Ion Ratio Lower Upper  
152 100  
150 152.9 125.2 187.8  
115 55.7 47.9 71.9



#5  
2-Fluorophenol  
Concen: 51.246 ng  
RT: 5.687 min Scan# 408  
Delta R.T. 0.002 min  
Lab File: BG054886.D  
Acq: 8 Sep 2022 16:28

Tgt Ion:112 Resp: 112079  
Ion Ratio Lower Upper  
112 100  
64 62.2 49.3 73.9  
63 31.4 26.3 39.5

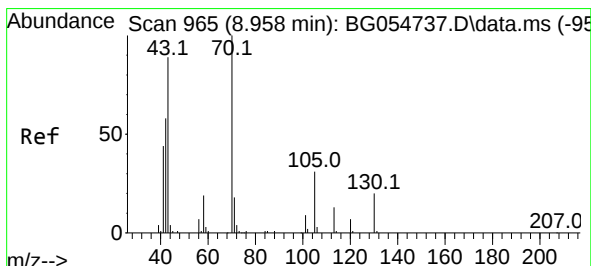
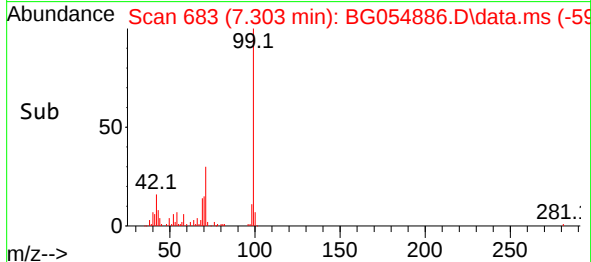
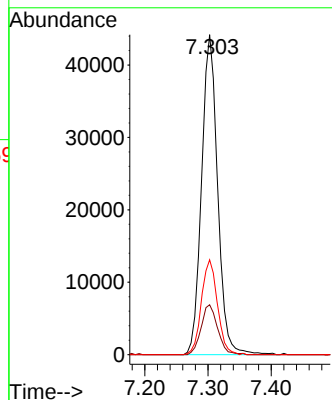
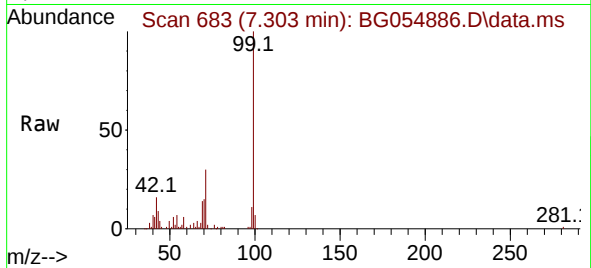




#7  
Phenol-d6  
Concen: 26.103 ng  
RT: 7.303 min Scan# 61  
Delta R.T. -0.004 min  
Lab File: BG054886.D  
Acq: 8 Sep 2022 16:28

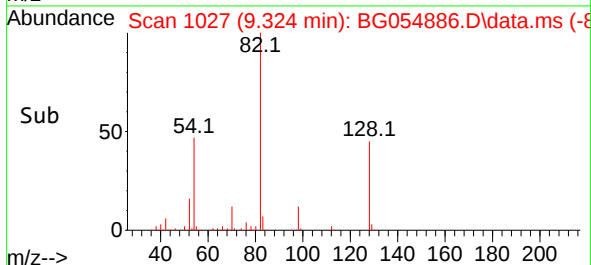
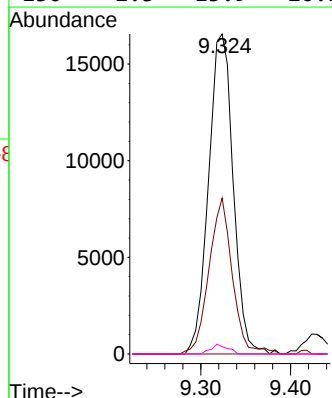
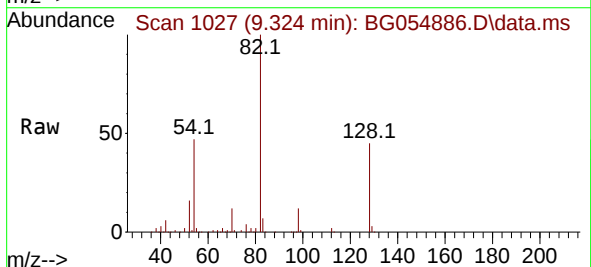
Instrument :  
BNA\_G  
ClientSampleId :  
MW6

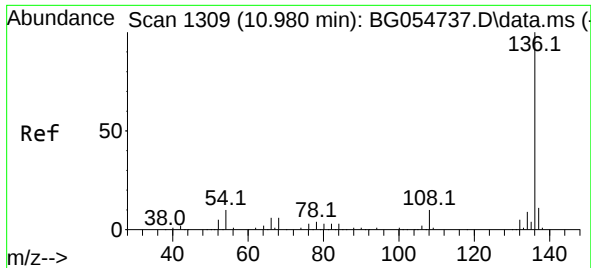
Tgt Ion: 99 Resp: 78076  
Ion Ratio Lower Upper  
99 100  
42 15.6 14.6 22.0  
71 29.7 24.6 37.0



#19  
n-Nitroso-di-n-propylamine  
Concen: 15.328 ng  
RT: 9.324 min Scan# 1027  
Delta R.T. 0.366 min  
Lab File: BG054886.D  
Acq: 8 Sep 2022 16:28

Tgt Ion: 70 Resp: 31526  
Ion Ratio Lower Upper  
70 100  
42 48.7 46.6 69.8  
101 0.0 7.7 11.5#  
130 2.3 13.9 20.9#

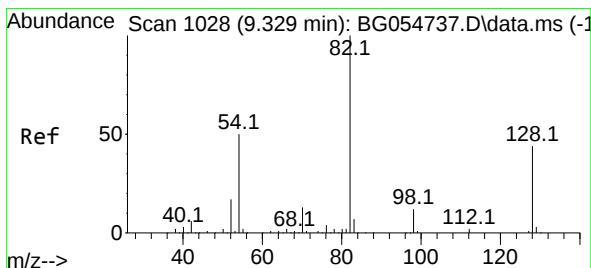
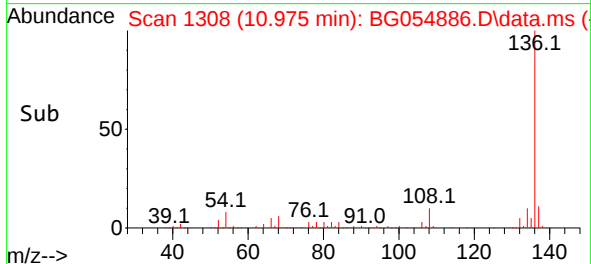
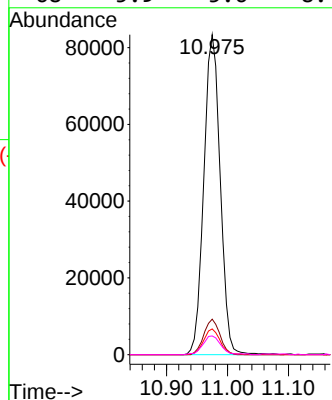
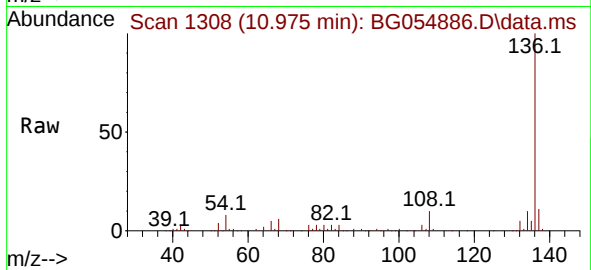




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.975 min Scan# 11  
Delta R.T. -0.004 min  
Lab File: BG054886.D  
Acq: 8 Sep 2022 16:28

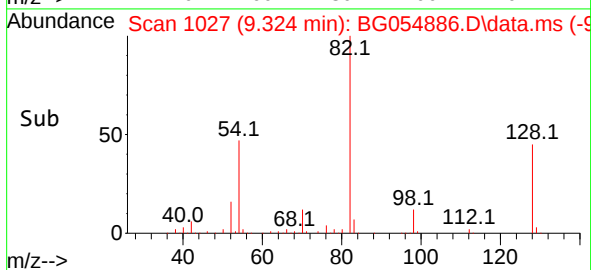
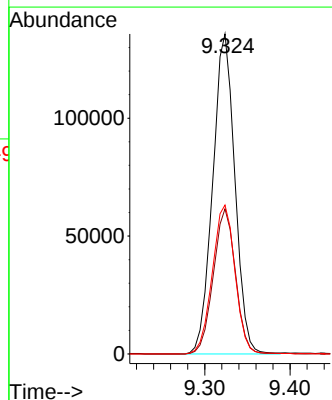
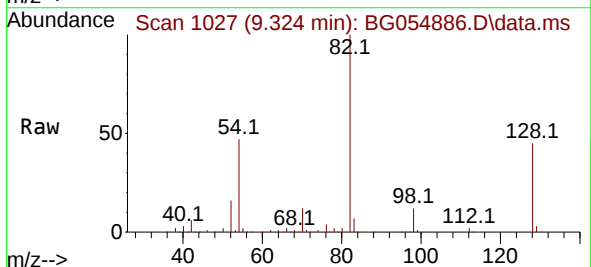
Instrument :  
BNA\_G  
ClientSampleId :  
MW6

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 156144 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 11.1  | 9.2   | 13.8   |
| 54        | 8.1   | 7.7   | 11.5   |
| 68        | 5.9   | 5.6   | 8.4    |



#23  
Nitrobenzene-d5  
Concen: 82.340 ng  
RT: 9.324 min Scan# 1027  
Delta R.T. -0.004 min  
Lab File: BG054886.D  
Acq: 8 Sep 2022 16:28

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 82    | Resp: | 244910 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 45.4  | 32.2  | 48.2   |
| 54        | 46.5  | 41.4  | 62.0   |

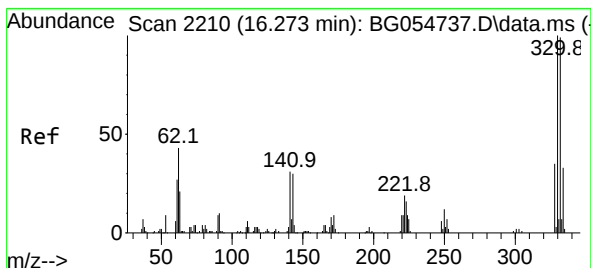
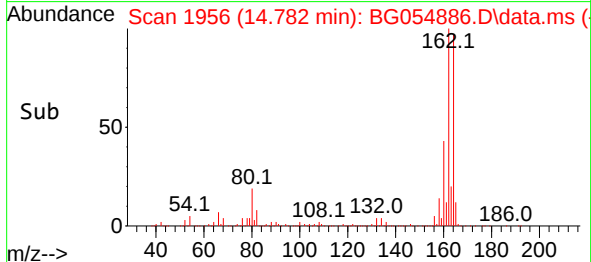
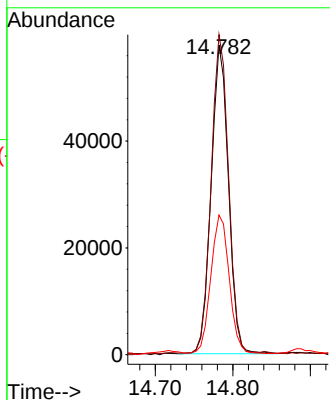
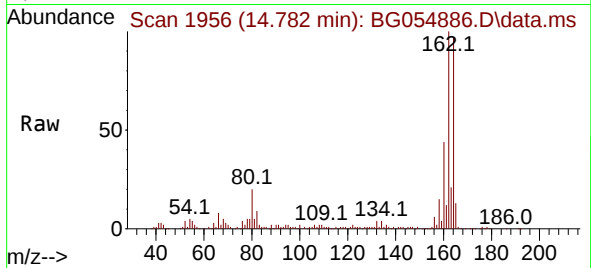




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.782 min Scan# 1957  
Delta R.T. -0.010 min  
Lab File: BG054886.D  
Acq: 8 Sep 2022 16:28

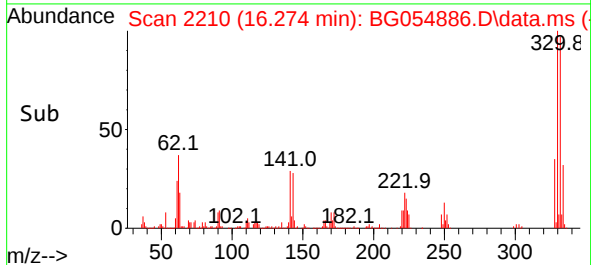
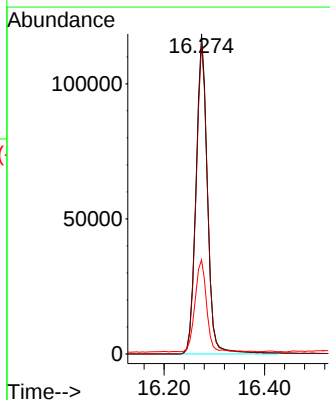
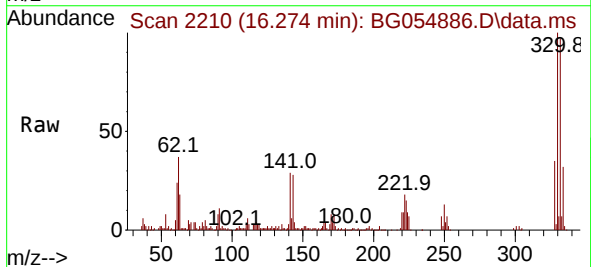
Instrument :  
BNA\_G  
ClientSampleId :  
MW6

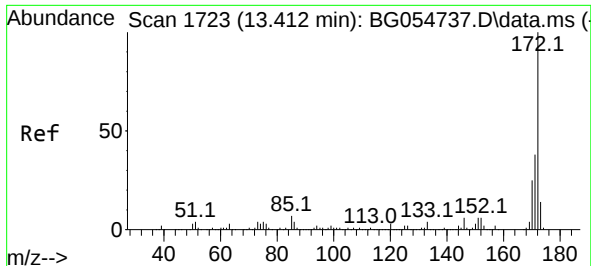
Tgt Ion:164 Resp: 89528  
Ion Ratio Lower Upper  
164 100  
162 103.3 83.0 124.4  
160 45.1 38.0 57.0



#42  
2,4,6-Tribromophenol  
Concen: 166.337 ng  
RT: 16.274 min Scan# 2210  
Delta R.T. -0.004 min  
Lab File: BG054886.D  
Acq: 8 Sep 2022 16:28

Tgt Ion:330 Resp: 186083  
Ion Ratio Lower Upper  
330 100  
332 97.3 79.8 119.6  
141 29.2 26.8 40.2

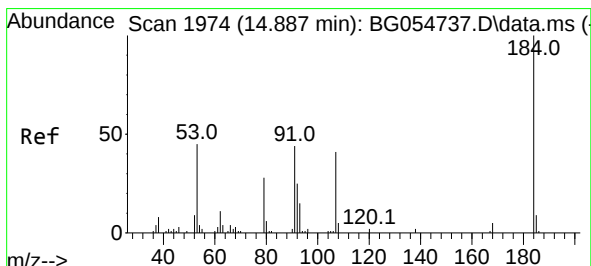
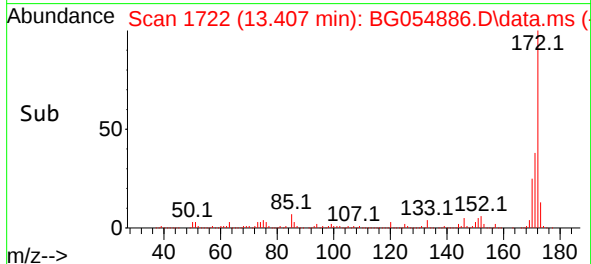
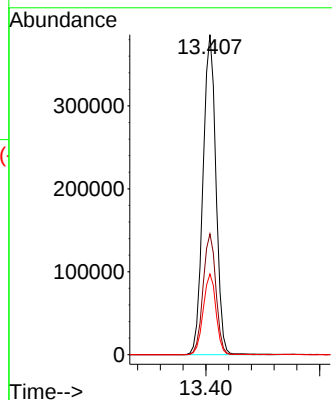
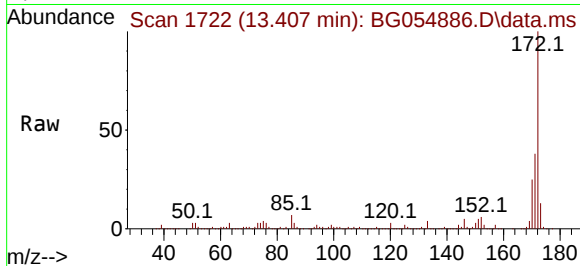




#45  
2-Fluorobiphenyl  
Concen: 102.085 ng  
RT: 13.407 min Scan# 1  
Delta R.T. -0.004 min  
Lab File: BG054886.D  
Acq: 8 Sep 2022 16:28

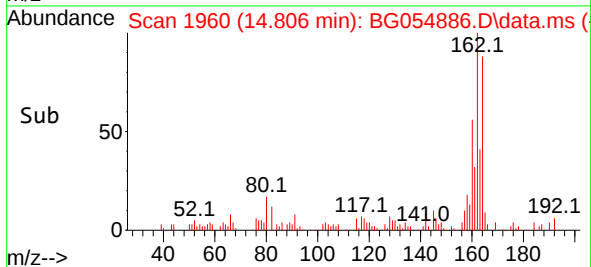
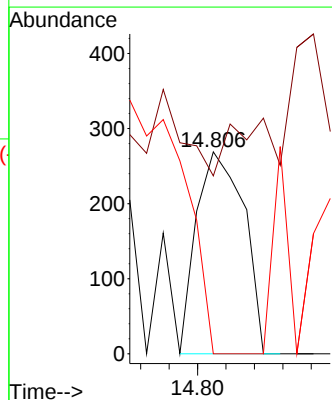
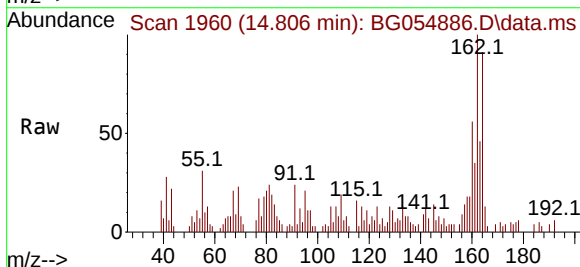
Instrument :  
BNA\_G  
ClientSampleId :  
MW6

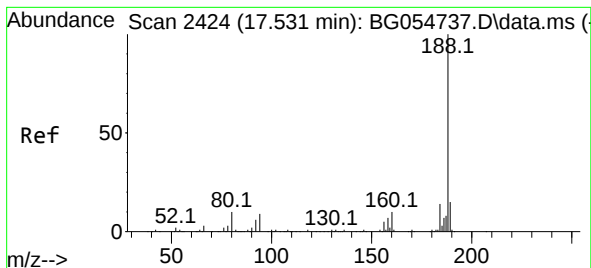
Tgt Ion:172 Resp: 608076  
Ion Ratio Lower Upper  
172 100  
171 37.7 31.2 46.8  
170 25.2 20.6 30.8



#54  
2,4-Dinitrophenol  
Concen: 7.059 ng  
RT: 14.806 min Scan# 1960  
Delta R.T. -0.104 min  
Lab File: BG054886.D  
Acq: 8 Sep 2022 16:28

Tgt Ion:184 Resp: 312  
Ion Ratio Lower Upper  
184 100  
63 88.1 41.8 62.8#  
154 0.0 45.2 67.8#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.532 min Scan# 2424

Delta R.T. -0.004 min

Lab File: BG054886.D

Acq: 8 Sep 2022 16:28

Instrument :

BNA\_G

ClientSampleId :

MW6

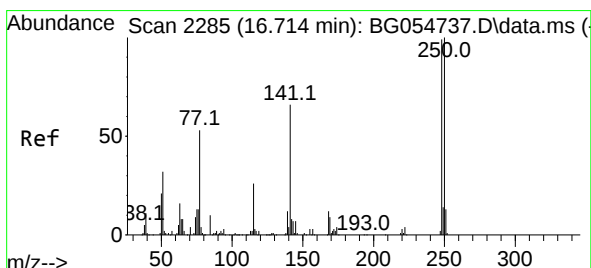
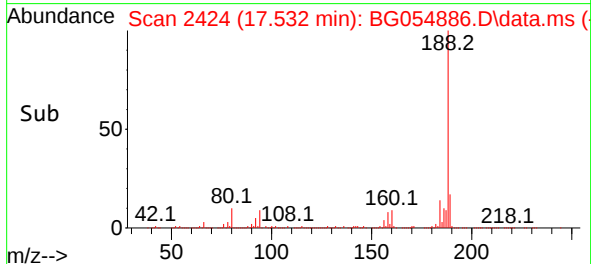
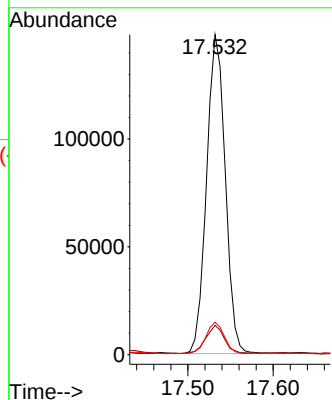
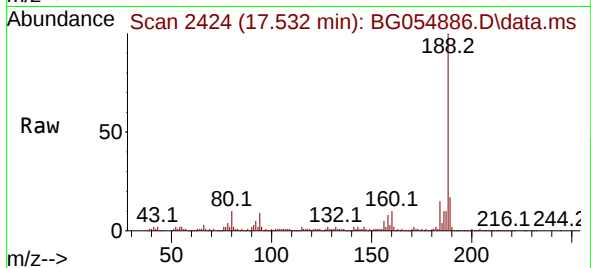
Tgt Ion:188 Resp: 226091

Ion Ratio Lower Upper

188 100

94 9.2 7.0 10.4

80 10.2 7.9 11.9



#67

4-Bromophenyl-phenylether

Concen: 4.830 ng

RT: 16.274 min Scan# 2210

Delta R.T. -0.444 min

Lab File: BG054886.D

Acq: 8 Sep 2022 16:28

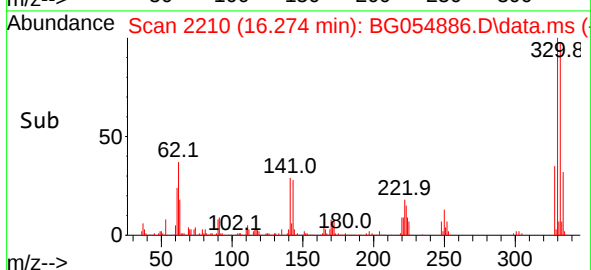
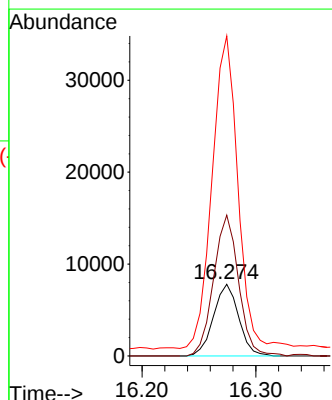
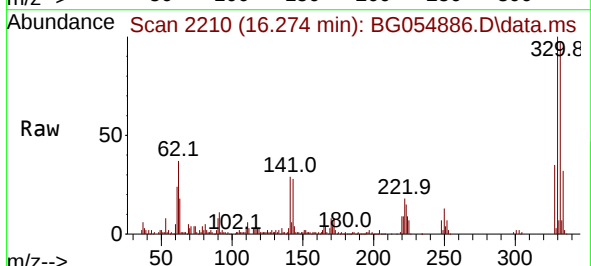
Tgt Ion:248 Resp: 11990

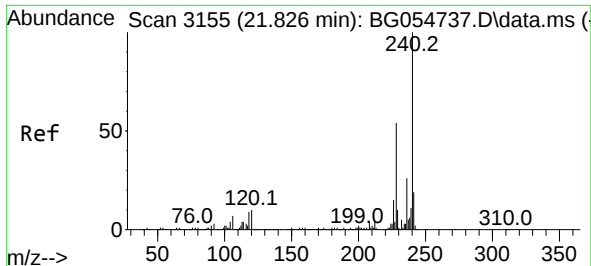
Ion Ratio Lower Upper

248 100

250 196.2 78.8 118.2#

141 445.9 51.9 77.9#

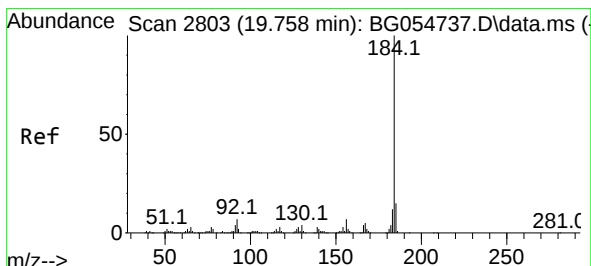
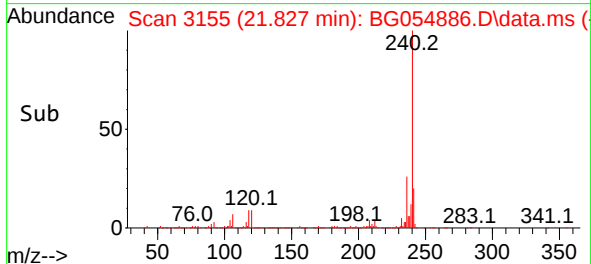
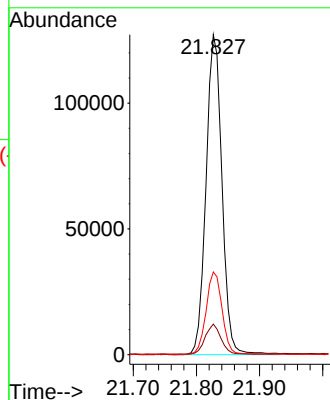
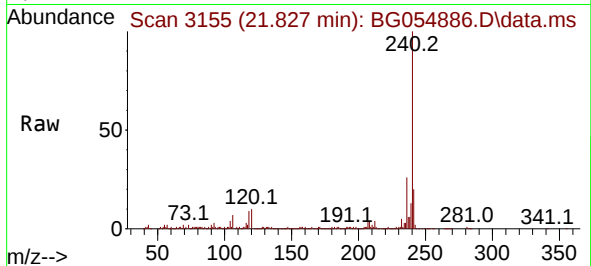




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.827 min Scan# 3155  
Delta R.T. -0.010 min  
Lab File: BG054886.D  
Acq: 8 Sep 2022 16:28

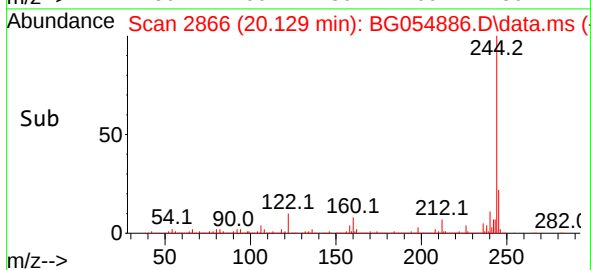
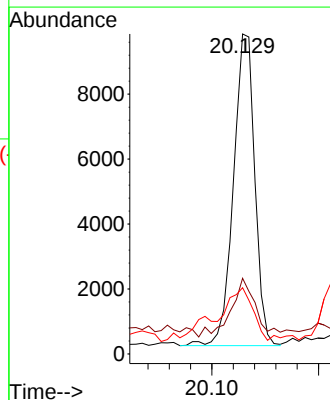
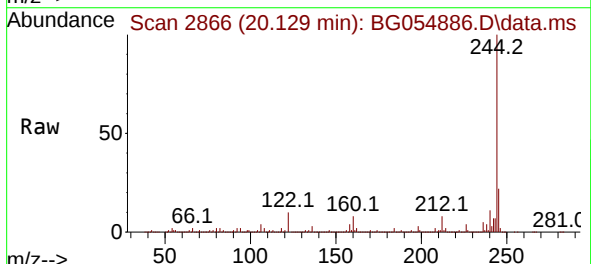
Instrument :  
BNA\_G  
ClientSampleId :  
MW6

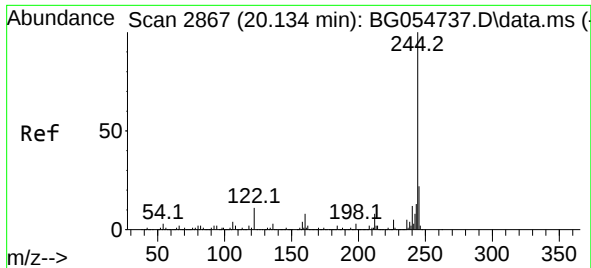
Tgt Ion:240 Resp: 222648  
Ion Ratio Lower Upper  
240 100  
120 9.6 8.2 12.4  
236 25.9 21.2 31.8



#77  
Benzidine  
Concen: 2.424 ng  
RT: 20.129 min Scan# 2866  
Delta R.T. 0.372 min  
Lab File: BG054886.D  
Acq: 8 Sep 2022 16:28

Tgt Ion:184 Resp: 13368  
Ion Ratio Lower Upper  
184 100  
185 23.7 11.4 17.0#  
183 20.7 9.8 14.8#

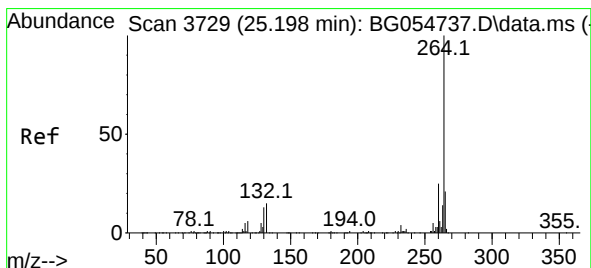
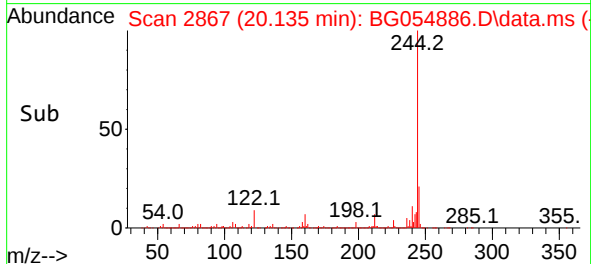
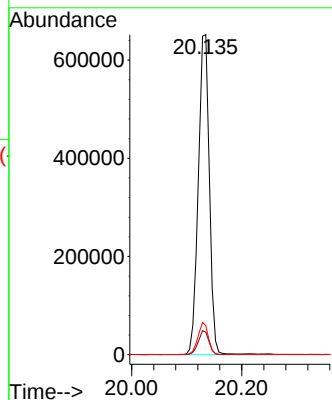
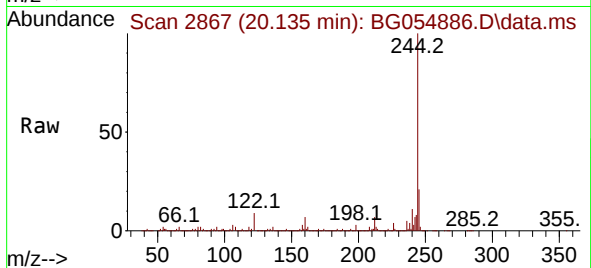




#79  
 Terphenyl-d14  
 Concen: 81.280 ng  
 RT: 20.135 min Scan# 21  
 Delta R.T. 0.002 min  
 Lab File: BG054886.D  
 Acq: 8 Sep 2022 16:28

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW6

Tgt Ion:244 Resp: 913343  
 Ion Ratio Lower Upper  
 244 100  
 212 7.1 6.2 9.2  
 122 9.1 9.0 13.6



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 25.205 min Scan# 3730  
 Delta R.T. -0.015 min  
 Lab File: BG054886.D  
 Acq: 8 Sep 2022 16:28

Tgt Ion:264 Resp: 29984  
 Ion Ratio Lower Upper  
 264 100  
 260 27.3 19.9 29.9  
 265 21.5 16.9 25.3

