

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG111723\  
 Data File : BG059758.D  
 Acq On : 18 Nov 2023 10:31  
 Operator : MA/JU  
 Sample : 05374-02  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Nov 20 04:41:00 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG111623.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 17 01:51:38 2023  
 Response via : Initial Calibration

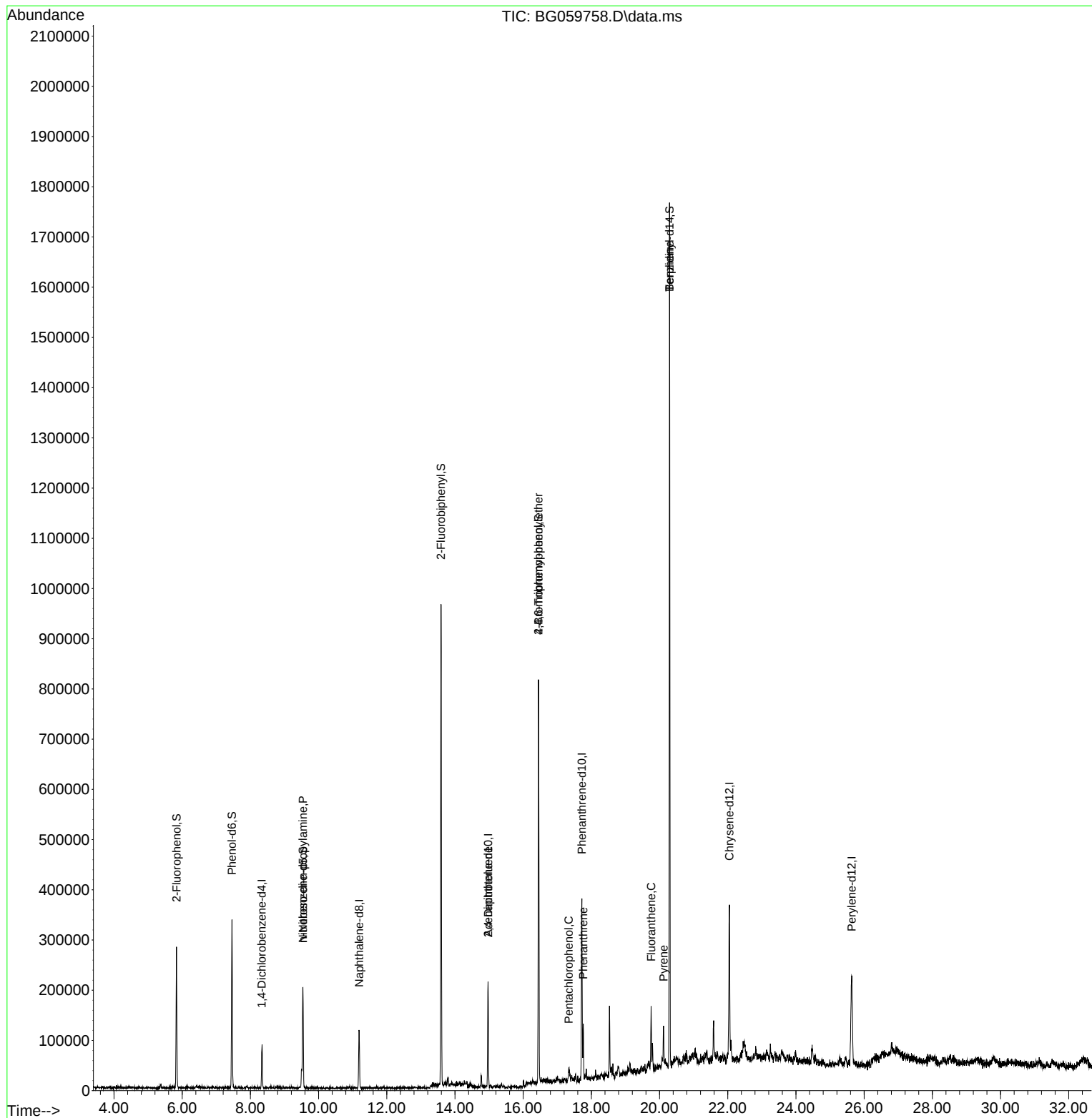
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.331  | 152  | 17434    | 20.000  | ng    | -0.01    |
| 21) Naphthalene-d8            | 11.192 | 136  | 78355    | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.970 | 164  | 63426    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.720 | 188  | 191501   | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12              | 22.050 | 240  | 168624   | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12              | 25.634 | 264  | 216415   | 20.000  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.834  | 112  | 86921    | 83.917  | ng    | 0.00     |
| 7) Phenol-d6                  | 7.461  | 99   | 139245   | 90.716  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.541  | 82   | 124534   | 60.701  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.451 | 330  | 96845    | 134.573 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.589 | 172  | 386583   | 82.042  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.293 | 244  | 646827   | 56.628  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 9.541  | 70   | 24103    | 19.940  | ng    | # 74     |
| 57) 2,4-Dinitrotoluene        | 14.970 | 165  | 8339     | 5.815   | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 16.451 | 248  | 7167     | 3.484   | ng    | # 1      |
| 70) Pentachlorophenol         | 17.338 | 266  | 3015     | 2.058   | ng    | # 61     |
| 71) Phenanthrene              | 17.761 | 178  | 62589    | 6.428   | ng    | # 92     |
| 75) Fluoranthene              | 19.753 | 202  | 61490    | 5.266   | ng    | 90       |
| 77) Benzidine                 | 20.293 | 184  | 21925    | 5.734   | ng    | # 93     |
| 78) Pyrene                    | 20.117 | 202  | 45632    | 3.977   | ng    | 94       |
| -----                         |        |      |          |         |       |          |

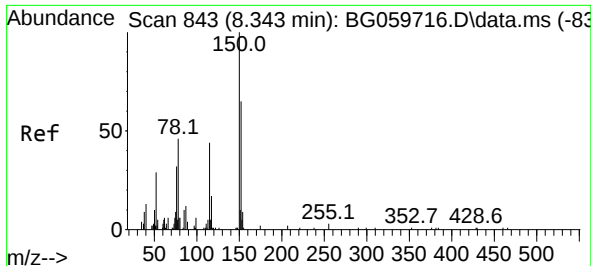
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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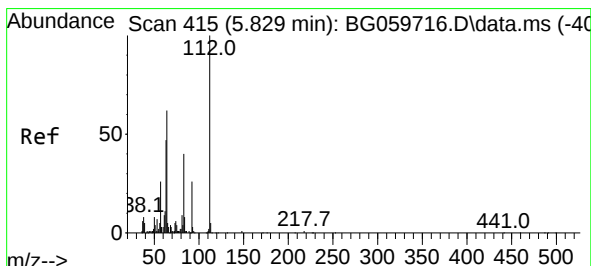
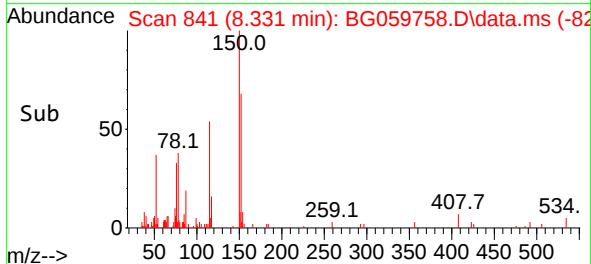
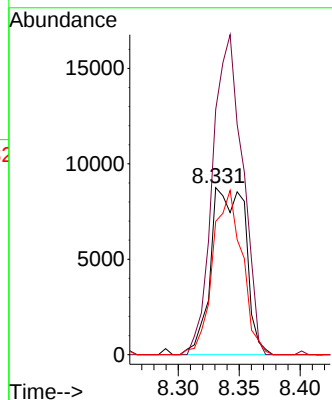
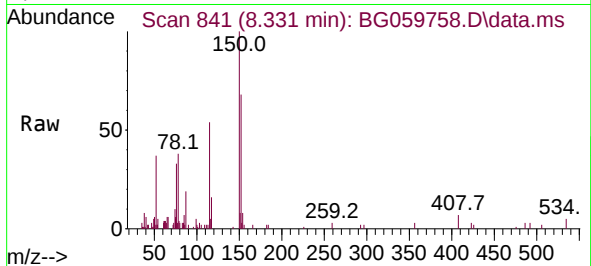




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.331 min Scan# 84  
Delta R.T. -0.012 min  
Lab File: BG059758.D  
Acq: 18 Nov 2023 10:31

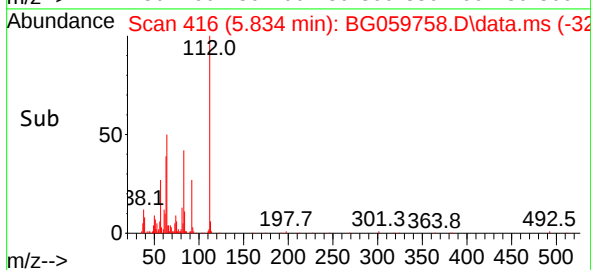
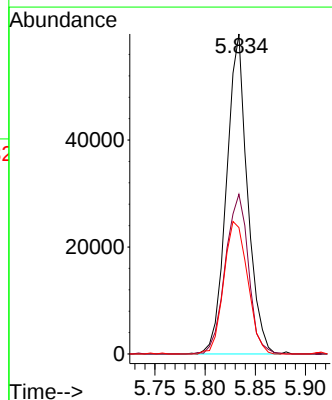
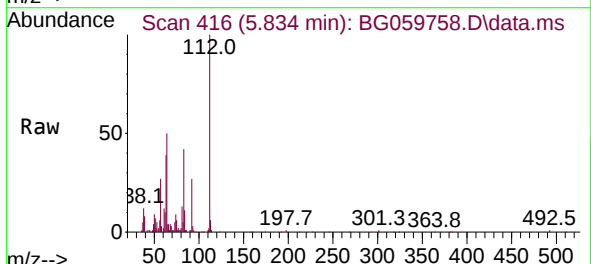
Instrument :  
BNA\_G  
ClientSampleId :

Tgt Ion:152 Resp: 17434  
Ion Ratio Lower Upper  
152 100  
150 146.8 122.2 183.4  
115 79.8 54.2 81.4



#5  
2-Fluorophenol  
Concen: 83.917 ng  
RT: 5.834 min Scan# 416  
Delta R.T. 0.005 min  
Lab File: BG059758.D  
Acq: 18 Nov 2023 10:31

Tgt Ion:112 Resp: 86921  
Ion Ratio Lower Upper  
112 100  
64 49.9 49.5 74.3  
63 39.5 37.4 56.2

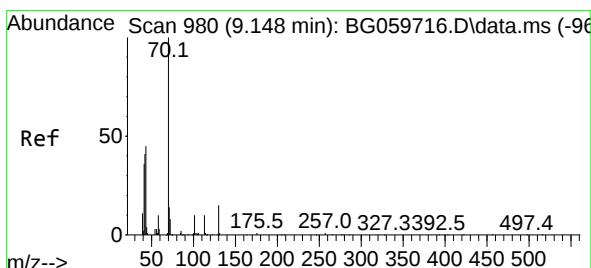
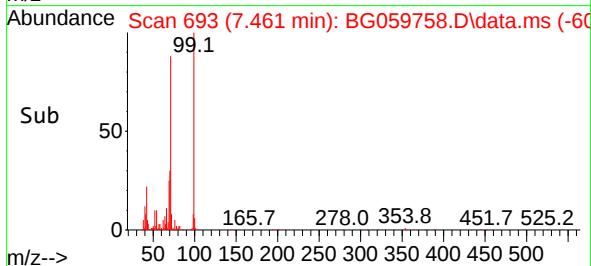
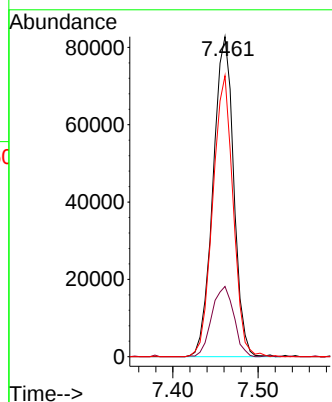
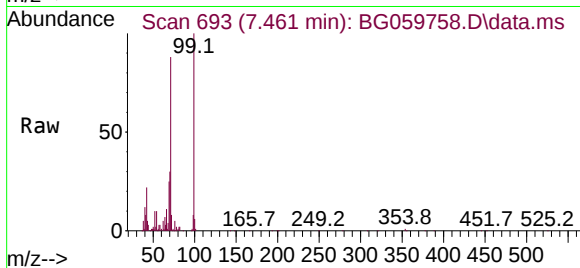




#7  
Phenol-d6  
Concen: 90.716 ng  
RT: 7.461 min Scan# 61  
Delta R.T. 0.005 min  
Lab File: BG059758.D  
Acq: 18 Nov 2023 10:31

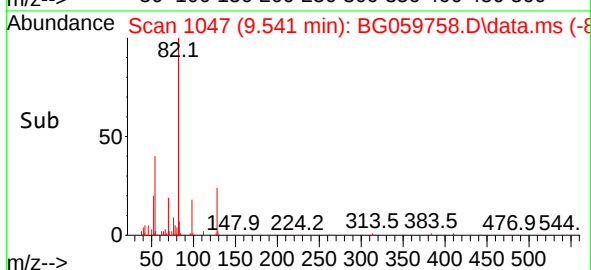
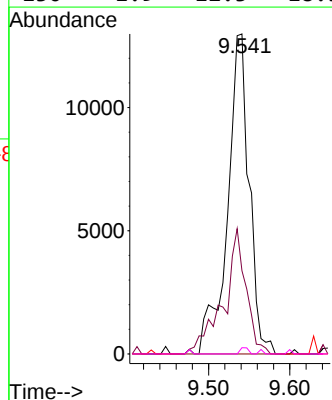
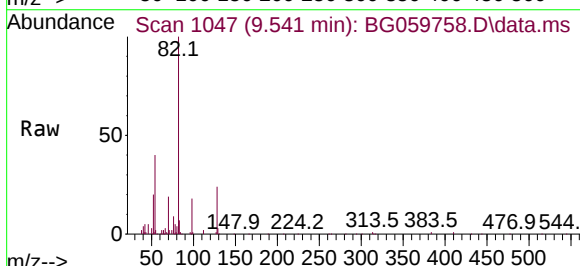
Instrument :  
BNA\_G  
ClientSampleId :

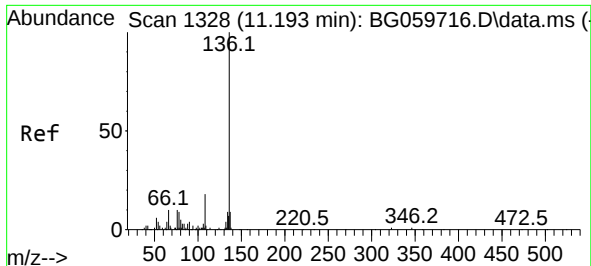
Tgt Ion: 99 Resp: 139245  
Ion Ratio Lower Upper  
99 100  
42 22.0 14.3 21.5#  
71 87.8 59.3 88.9



#19  
n-Nitroso-di-n-propylamine  
Concen: 19.940 ng  
RT: 9.541 min Scan# 1047  
Delta R.T. 0.393 min  
Lab File: BG059758.D  
Acq: 18 Nov 2023 10:31

Tgt Ion: 70 Resp: 24103  
Ion Ratio Lower Upper  
70 100  
42 26.0 32.8 49.2#  
101 0.0 7.7 11.5#  
130 1.9 12.3 18.5#

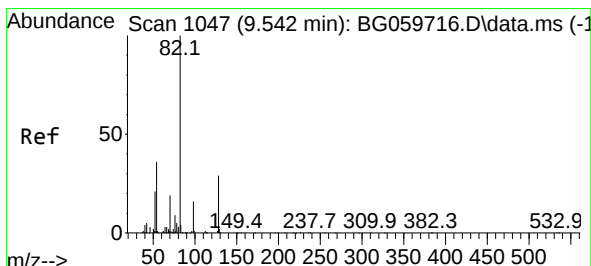
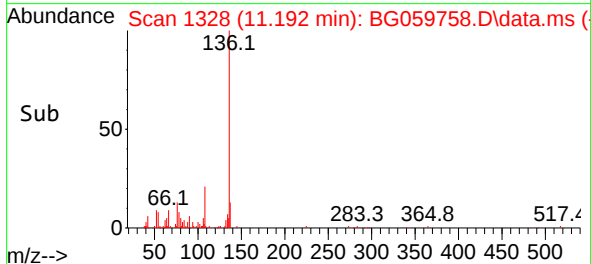
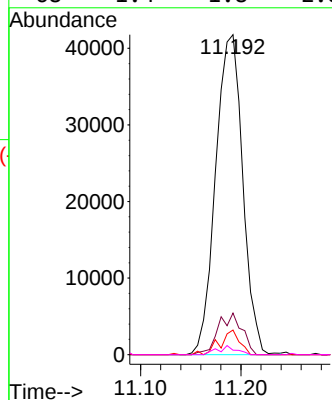
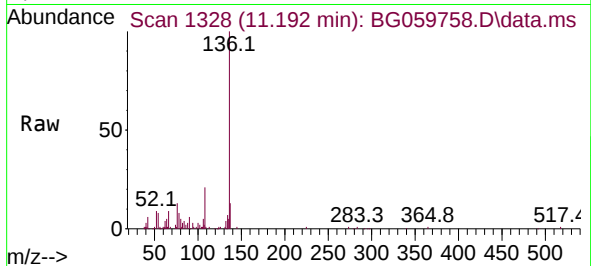




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.192 min Scan# 111  
Delta R.T. -0.001 min  
Lab File: BG059758.D  
Acq: 18 Nov 2023 10:31

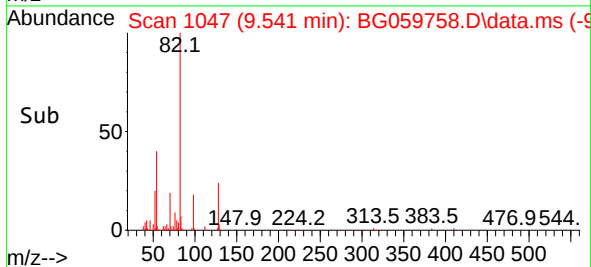
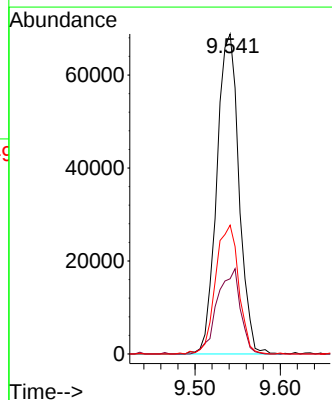
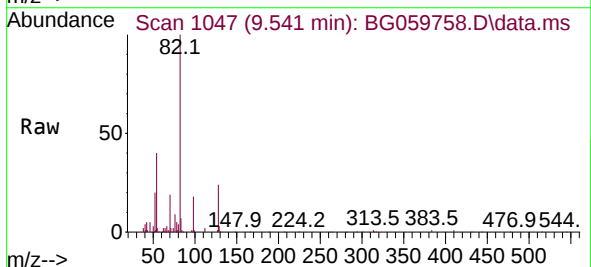
Instrument :  
BNA\_G  
ClientSampleId :

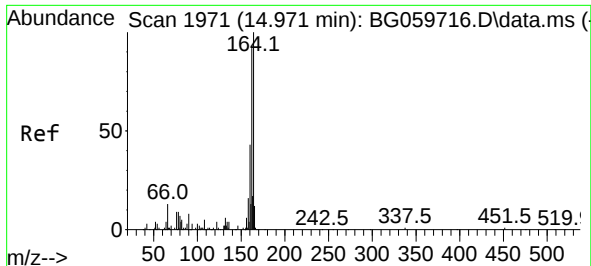
Tgt Ion:136 Resp: 78355  
Ion Ratio Lower Upper  
136 100  
137 13.0 7.4 11.0#  
54 7.7 3.1 4.7#  
68 1.4 1.8 2.8#



#23  
Nitrobenzene-d5  
Concen: 60.701 ng  
RT: 9.541 min Scan# 1047  
Delta R.T. -0.001 min  
Lab File: BG059758.D  
Acq: 18 Nov 2023 10:31

Tgt Ion: 82 Resp: 124534  
Ion Ratio Lower Upper  
82 100  
128 23.5 23.0 34.6  
54 40.3 28.7 43.1

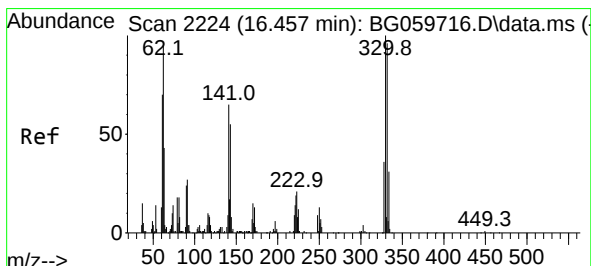
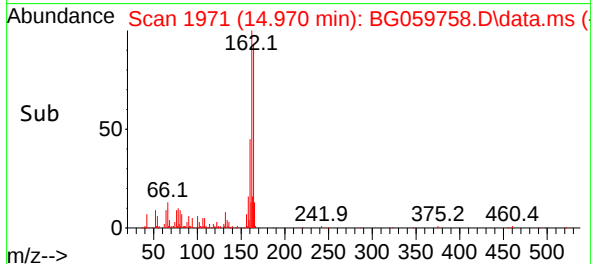
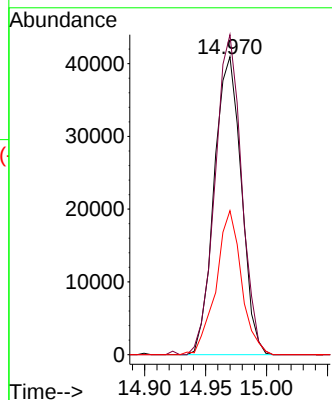
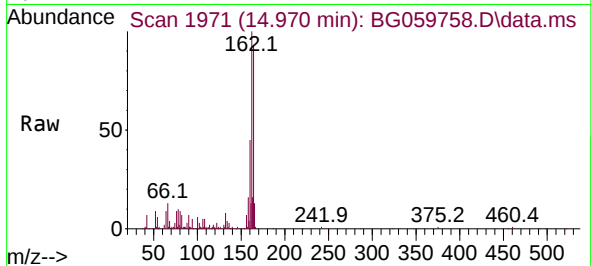




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.970 min Scan# 1971  
Delta R.T. -0.001 min  
Lab File: BG059758.D  
Acq: 18 Nov 2023 10:31

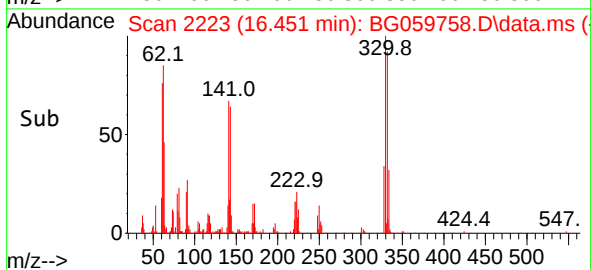
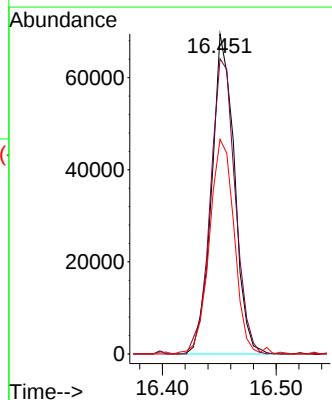
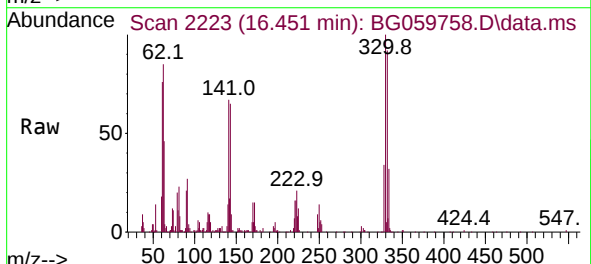
Instrument :  
BNA\_G  
ClientSampleId :

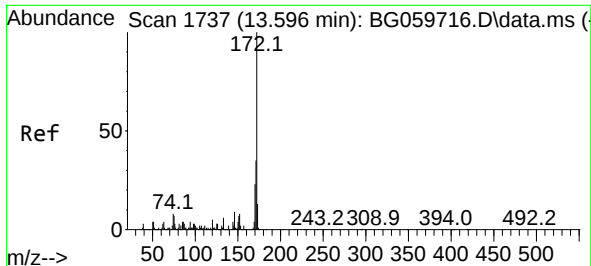
Tgt Ion:164 Resp: 63426  
Ion Ratio Lower Upper  
164 100  
162 107.4 73.3 109.9  
160 48.3 34.1 51.1



#42  
2,4,6-Tribromophenol  
Concen: 134.573 ng  
RT: 16.451 min Scan# 2223  
Delta R.T. -0.007 min  
Lab File: BG059758.D  
Acq: 18 Nov 2023 10:31

Tgt Ion:330 Resp: 96845  
Ion Ratio Lower Upper  
330 100  
332 99.9 73.3 109.9  
141 72.1 52.1 78.1

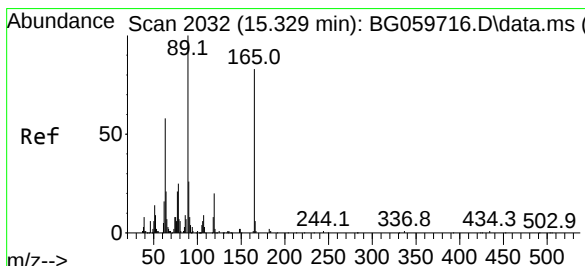
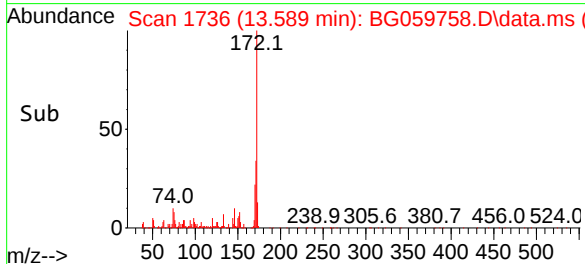
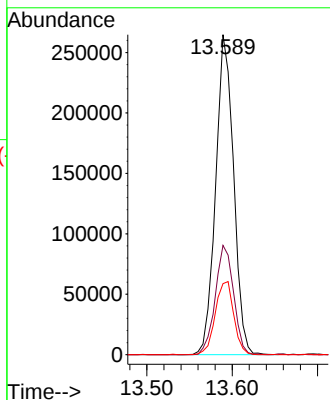
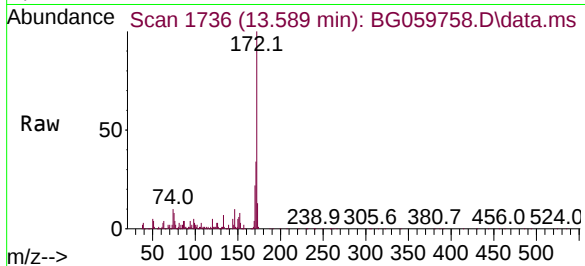




#45  
2-Fluorobiphenyl  
Concen: 82.042 ng  
RT: 13.589 min Scan# 11  
Delta R.T. -0.007 min  
Lab File: BG059758.D  
Acq: 18 Nov 2023 10:31

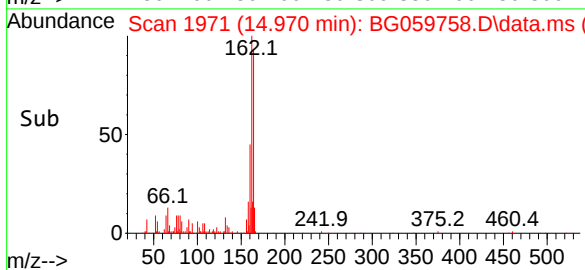
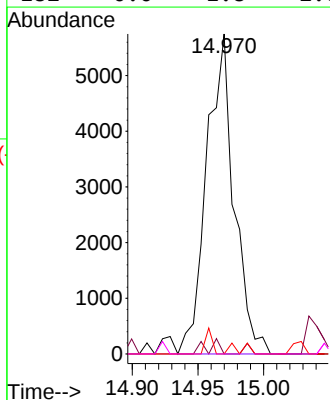
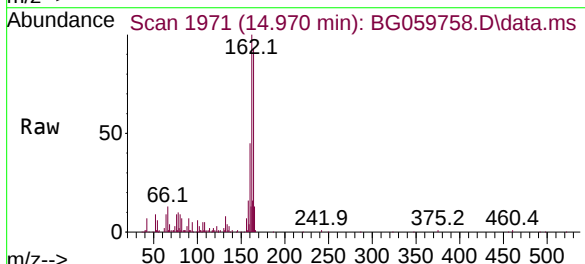
Instrument :  
BNA\_G  
ClientSampleId :

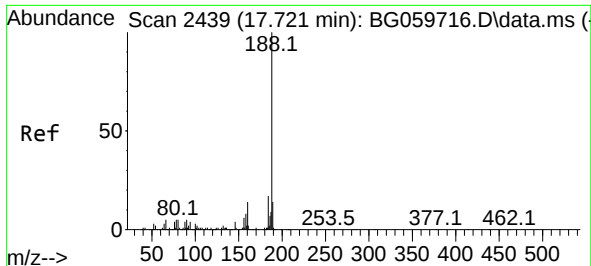
Tgt Ion:172 Resp: 386583  
Ion Ratio Lower Upper  
172 100  
171 34.1 27.7 41.5  
170 22.2 18.4 27.6



#57  
2,4-Dinitrotoluene  
Concen: 5.815 ng  
RT: 14.970 min Scan# 1971  
Delta R.T. -0.359 min  
Lab File: BG059758.D  
Acq: 18 Nov 2023 10:31

Tgt Ion:165 Resp: 8339  
Ion Ratio Lower Upper  
165 100  
63 0.0 55.8 83.8#  
89 0.0 96.9 145.3#  
182 0.0 1.8 2.6#

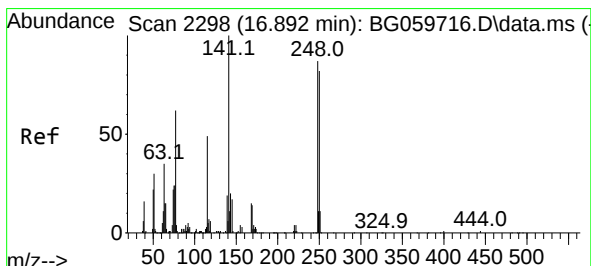
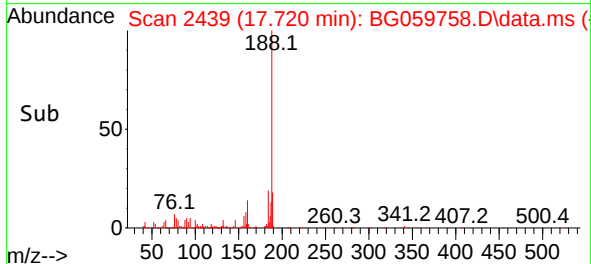
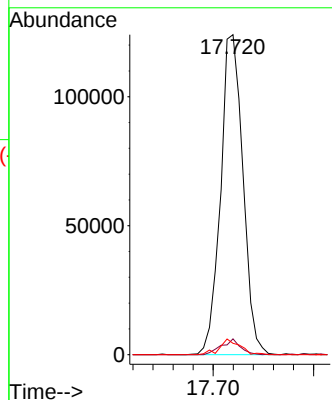
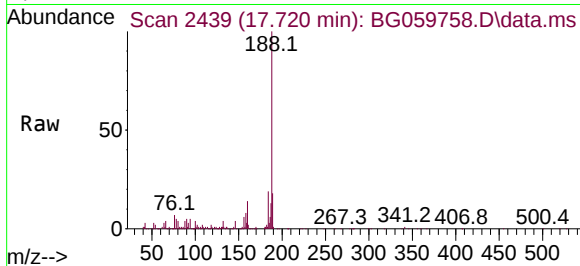




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.720 min Scan# 2439  
Delta R.T. -0.001 min  
Lab File: BG059758.D  
Acq: 18 Nov 2023 10:31

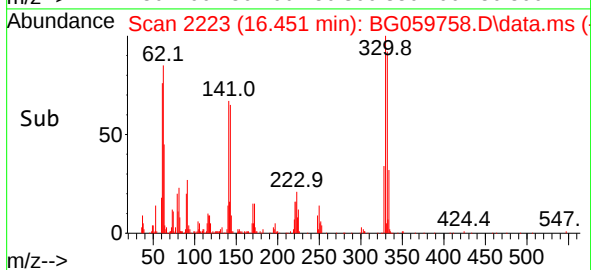
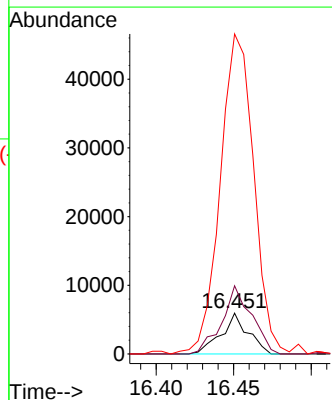
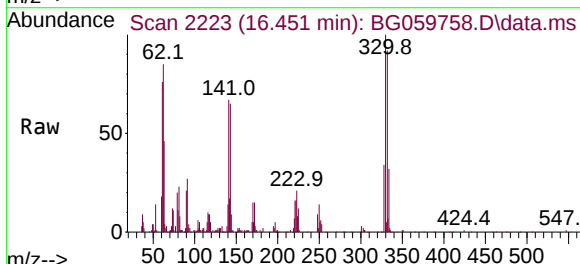
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BNA\_G  
ClientSampleId :

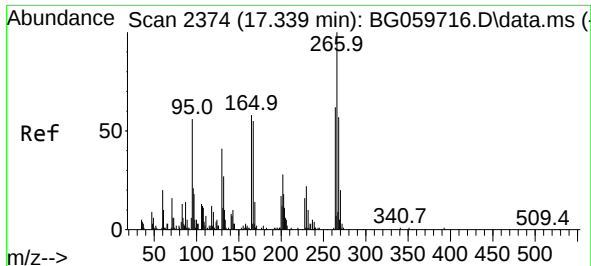
Tgt Ion:188 Resp: 191501  
Ion Ratio Lower Upper  
188 100  
94 5.0 3.0 4.4#  
80 3.6 4.2 6.4#



#67  
4-Bromophenyl-phenylether  
Concen: 3.484 ng  
RT: 16.451 min Scan# 2223  
Delta R.T. -0.442 min  
Lab File: BG059758.D  
Acq: 18 Nov 2023 10:31

Tgt Ion:248 Resp: 7167  
Ion Ratio Lower Upper  
248 100  
250 166.9 75.2 112.8#  
141 784.4 91.5 137.3#

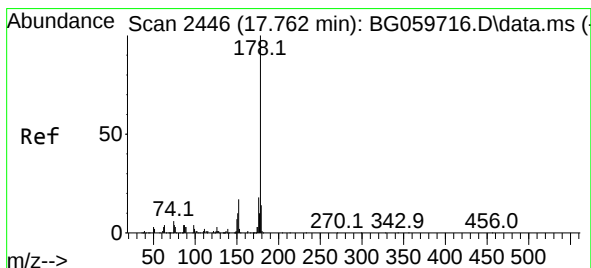
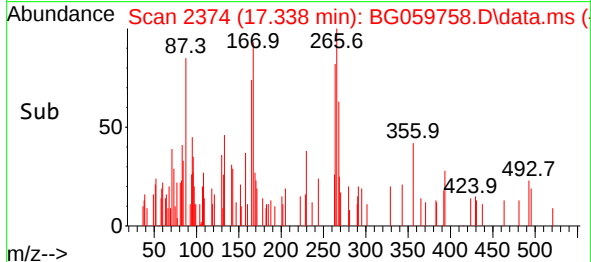
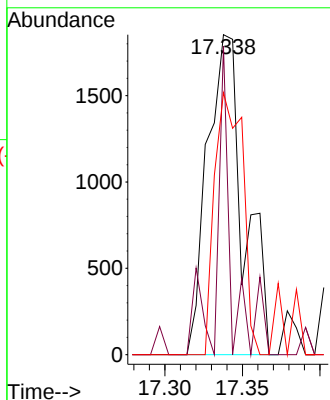
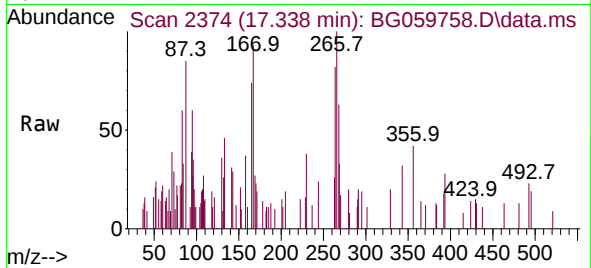




#70  
 Pentachlorophenol  
 Concen: 2.058 ng  
 RT: 17.338 min Scan# 21  
 Delta R.T. -0.001 min  
 Lab File: BG059758.D  
 Acq: 18 Nov 2023 10:31

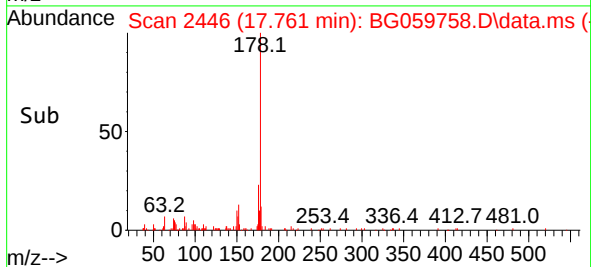
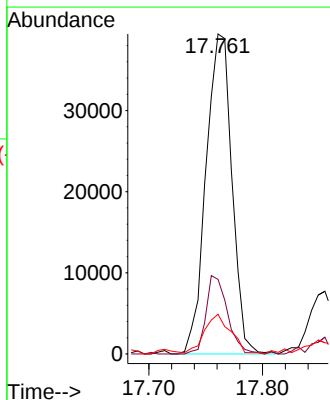
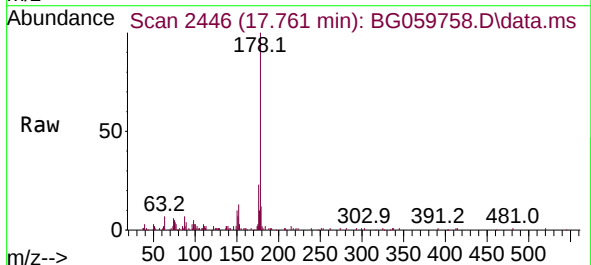
Instrument :  
 BNA\_G  
 ClientSampleId :

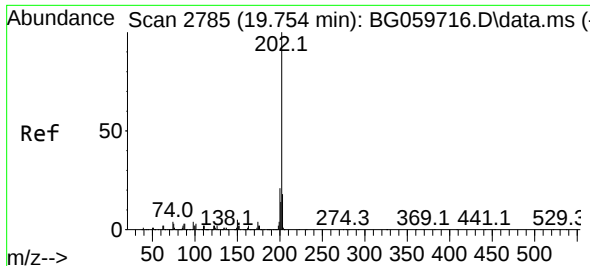
Tgt Ion:266 Resp: 3015  
 Ion Ratio Lower Upper  
 266 100  
 268 96.4 45.7 68.5#  
 264 81.9 49.8 74.8#



#71  
 Phenanthrene  
 Concen: 6.428 ng  
 RT: 17.761 min Scan# 2446  
 Delta R.T. -0.001 min  
 Lab File: BG059758.D  
 Acq: 18 Nov 2023 10:31

Tgt Ion:178 Resp: 62589  
 Ion Ratio Lower Upper  
 178 100  
 176 23.3 14.5 21.7#  
 179 12.4 11.2 16.8

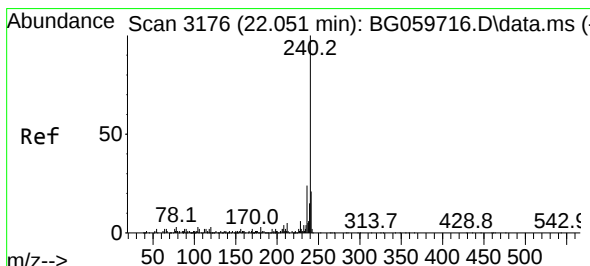
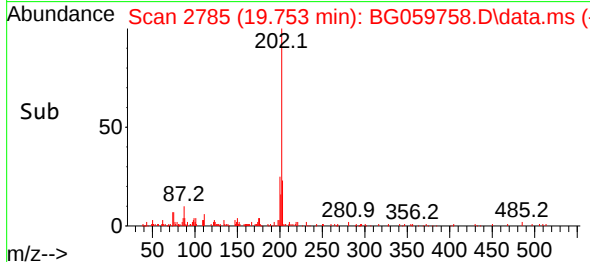
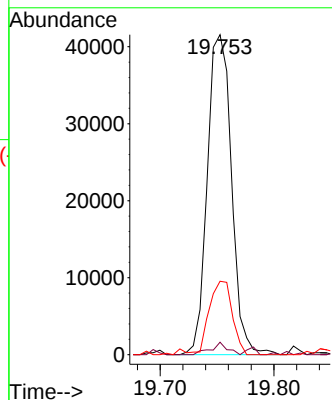
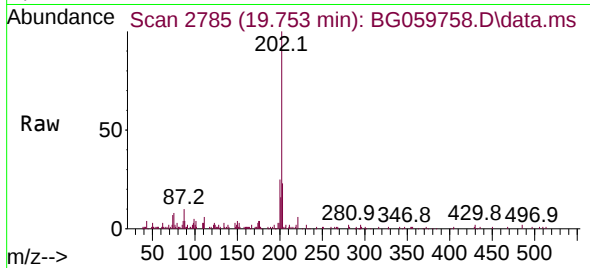




#75  
Fluoranthene  
Concen: 5.266 ng  
RT: 19.753 min Scan# 21  
Delta R.T. -0.001 min  
Lab File: BG059758.D  
Acq: 18 Nov 2023 10:31

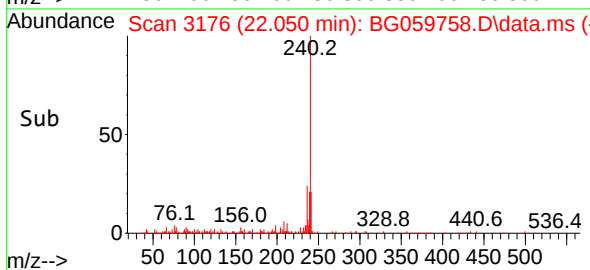
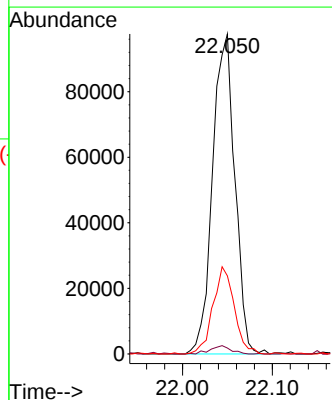
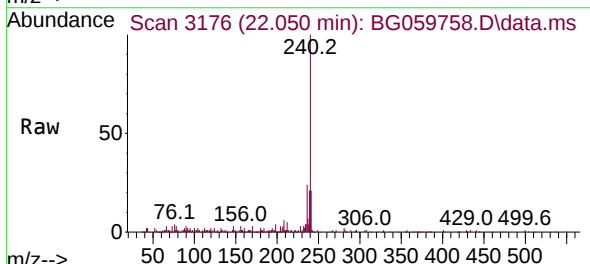
Instrument :  
BNA\_G  
ClientSampleId :

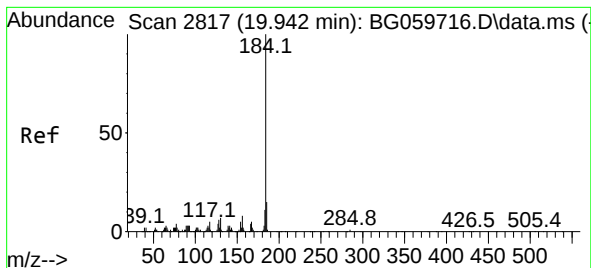
Tgt Ion:202 Resp: 61490  
Ion Ratio Lower Upper  
202 100  
101 4.8 0.0 22.7  
203 23.0 0.0 38.2



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 22.050 min Scan# 3176  
Delta R.T. -0.001 min  
Lab File: BG059758.D  
Acq: 18 Nov 2023 10:31

Tgt Ion:240 Resp: 168624  
Ion Ratio Lower Upper  
240 100  
120 1.9 2.2 3.2#  
236 24.4 19.4 29.2





#77

Benzidine

Concen: 5.734 ng

RT: 20.293 min Scan# 21

Delta R.T. 0.352 min

Lab File: BG059758.D

Acq: 18 Nov 2023 10:31

Instrument :

BNA\_G

ClientSampleId :

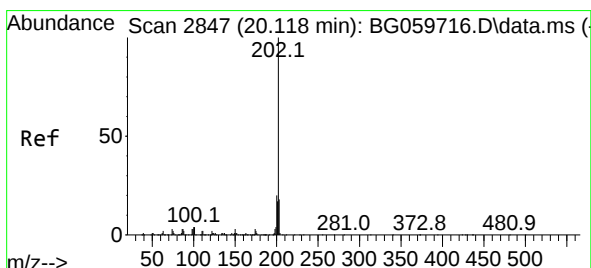
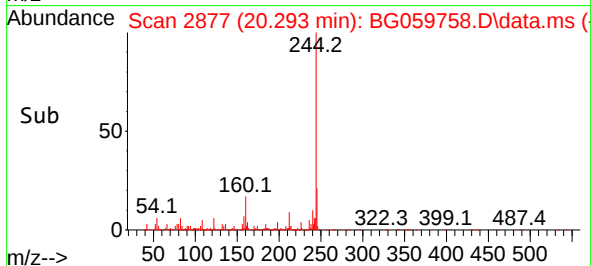
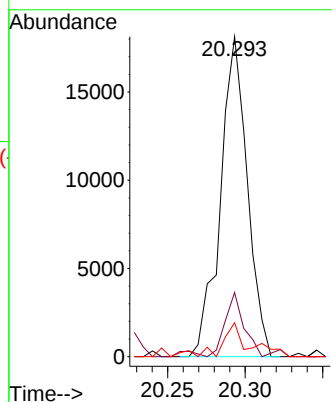
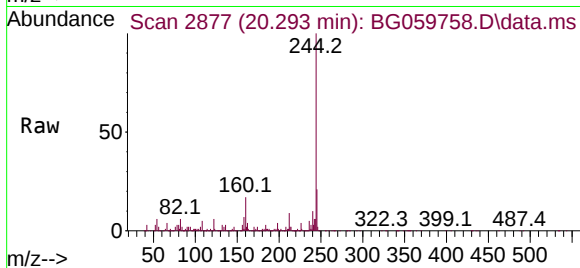
Tgt Ion:184 Resp: 21925

Ion Ratio Lower Upper

184 100

185 20.1 12.2 18.2#

183 10.6 8.8 13.2



#78

Pyrene

Concen: 3.977 ng

RT: 20.117 min Scan# 2847

Delta R.T. -0.001 min

Lab File: BG059758.D

Acq: 18 Nov 2023 10:31

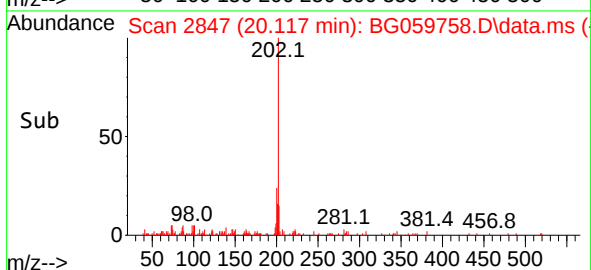
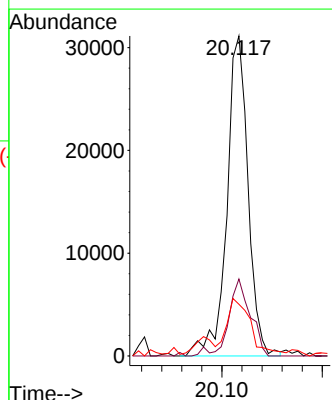
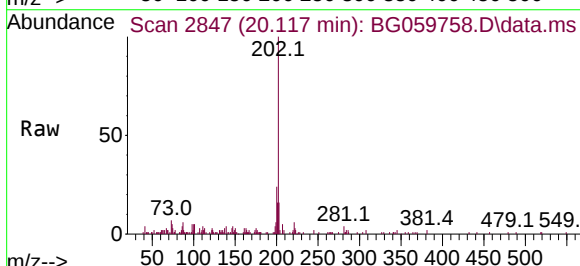
Tgt Ion:202 Resp: 45632

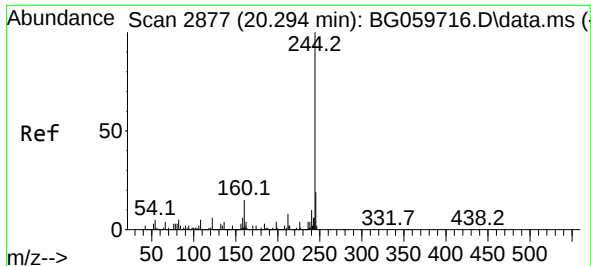
Ion Ratio Lower Upper

202 100

200 24.1 16.2 24.4

203 16.2 14.0 21.0



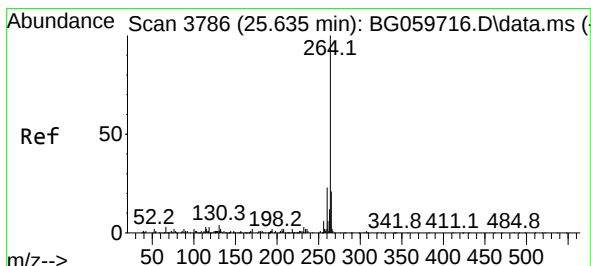
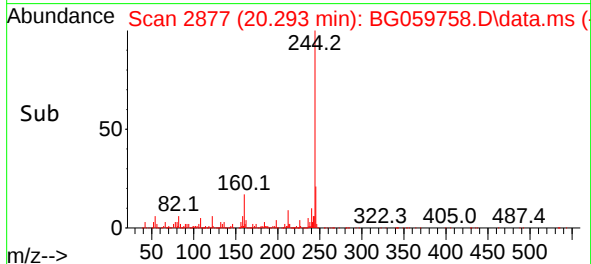
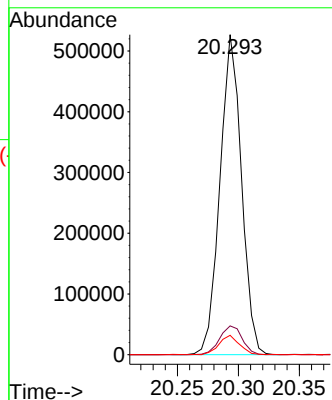
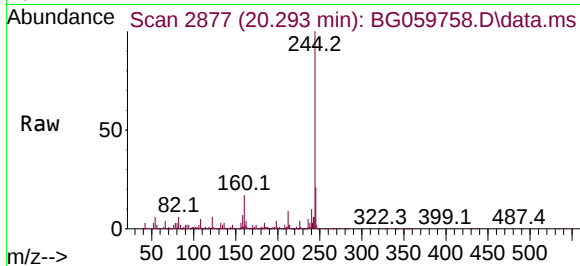


#79  
 Terphenyl-d14  
 Concen: 56.628 ng  
 RT: 20.293 min Scan# 21  
 Delta R.T. -0.001 min  
 Lab File: BG059758.D  
 Acq: 18 Nov 2023 10:31

Instrument :  
 BNA\_G  
 ClientSampleId :

Tgt Ion:244 Resp: 646827  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 9.0   | 6.6   | 10.0  |
| 122 | 6.0   | 4.4   | 6.6   |



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 25.634 min Scan# 3786  
 Delta R.T. -0.001 min  
 Lab File: BG059758.D  
 Acq: 18 Nov 2023 10:31

Tgt Ion:264 Resp: 216415  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 20.8  | 18.5  | 27.7  |
| 265 | 20.0  | 17.0  | 25.6  |

