

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG082123\  
 Data File : BG058798.D  
 Acq On : 21 Aug 2023 17:56  
 Operator : MA/JU  
 Sample : 04047-03DL 50X  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 NEVINS-SB05-Z60-61-QDL

Quant Time: Aug 22 01:28:45 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG081823.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 21 01:40:57 2023  
 Response via : Initial Calibration

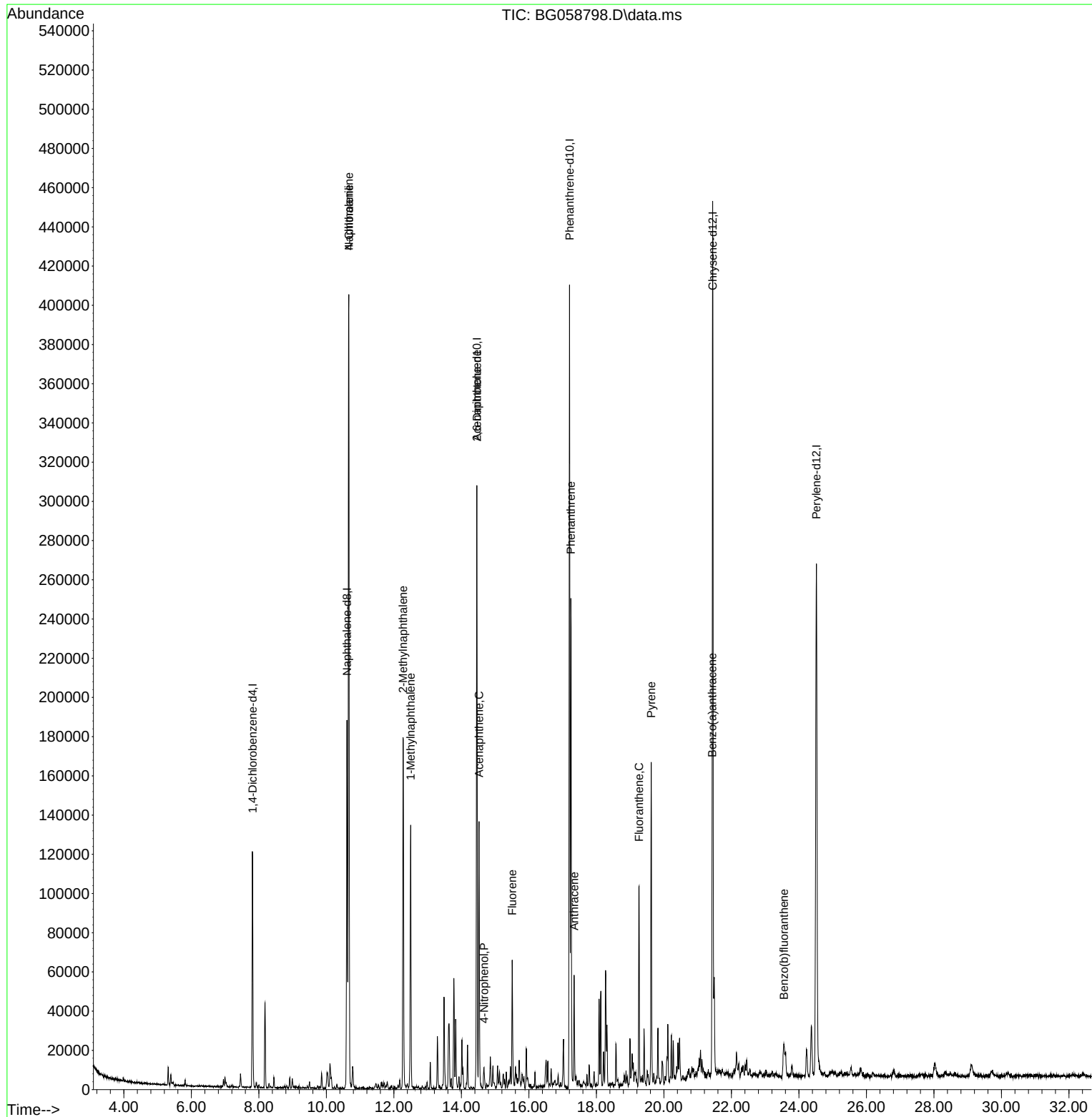
| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.812  | 152  | 33693    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.609 | 136  | 151158   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.458 | 164  | 112377   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.201 | 188  | 271524   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12            | 21.444 | 240  | 247483   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12            | 24.516 | 264  | 301772   | 20.000 | ng    | 0.00     |
|                             |        |      |          |        |       |          |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.392  | 112  | 3204     | 1.530  | ng    | 0.01     |
| 7) Phenol-d6                | 6.996  | 99   | 4217     | 1.436  | ng    | 0.01     |
| 23) Nitrobenzene-d5         | 8.988  | 82   | 2516     | 0.800  | ng    | 0.01     |
| 42) 2,4,6-Tribromophenol    | 15.973 | 330  | 1224     | 0.695  | ng    | 0.02     |
| 45) 2-Fluorobiphenyl        | 13.077 | 172  | 8929     | 1.156  | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.822 | 244  | 15960    | 1.158  | ng    | 0.00     |
|                             |        |      |          |        |       |          |
| Target Compounds            |        |      |          |        |       | Qvalue   |
| 31) Naphthalene             | 10.662 | 128  | 337017   | 42.463 | ng    | 100      |
| 33) 4-Chloroaniline         | 10.662 | 127  | 45141    | 13.486 | ng    | # 29     |
| 37) 2-Methylnaphthalene     | 12.272 | 142  | 93256    | 16.360 | ng    | 100      |
| 38) 1-Methylnaphthalene     | 12.495 | 142  | 66119    | 12.219 | ng    | 96       |
| 51) 2,6-Dinitrotoluene      | 14.458 | 165  | 15480    | 8.468  | ng    | # 25     |
| 52) Acenaphthene            | 14.522 | 154  | 50420    | 8.624  | ng    | 98       |
| 56) 4-Nitrophenol           | 14.669 | 139  | 312      | 4.689  | ng    | # 1      |
| 58) Fluorene                | 15.503 | 166  | 31002    | 3.863  | ng    | 96       |
| 71) Phenanthrene            | 17.243 | 178  | 156103   | 11.976 | ng    | 98       |
| 72) Anthracene              | 17.337 | 178  | 40525    | 3.100  | ng    | 100      |
| 75) Fluoranthene            | 19.264 | 202  | 68006    | 4.207  | ng    | 98       |
| 78) Pyrene                  | 19.622 | 202  | 105947   | 6.144  | ng    | 96       |
| 81) Benzo(a)anthracene      | 21.426 | 228  | 38259    | 2.221  | ng    | 96       |
| 88) Benzo(b)fluoranthene    | 23.553 | 252  | 33642    | 2.009  | ng    | # 98     |
| -----                       |        |      |          |        |       |          |

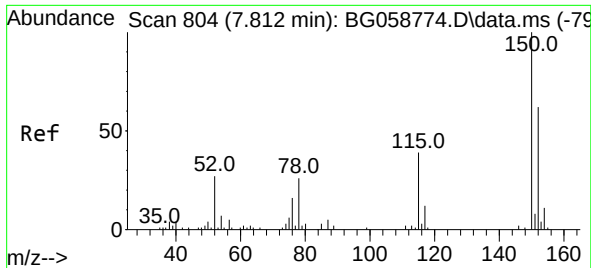
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG082123\  
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QLast Update : Mon Aug 21 01:40:57 2023  
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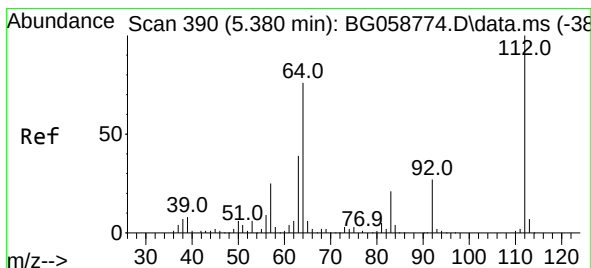
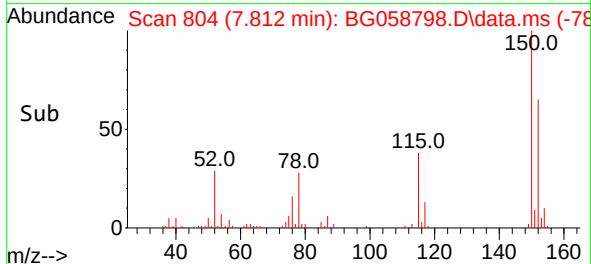
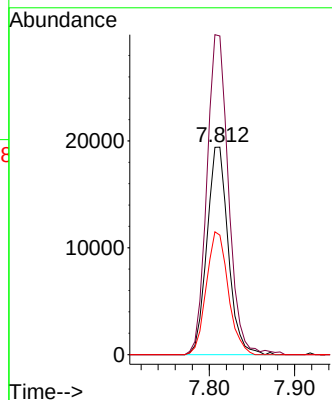
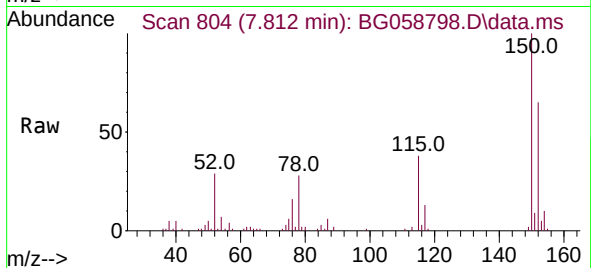




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.812 min Scan# 804  
Delta R.T. 0.000 min  
Lab File: BG058798.D  
Acq: 21 Aug 2023 17:56

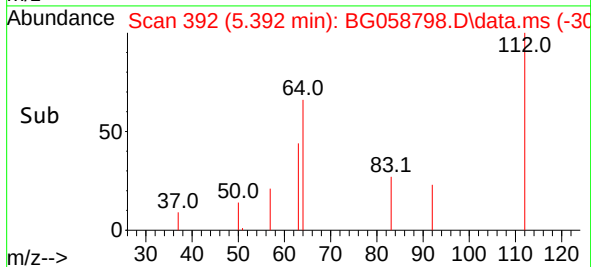
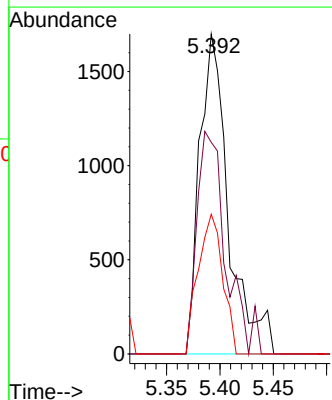
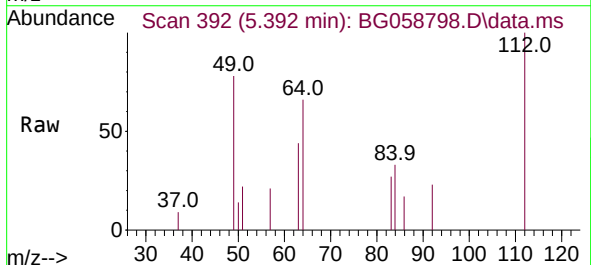
Instrument :  
BNA\_G  
ClientSampleId :  
NEVINS-SB05-Z60-61-QDL

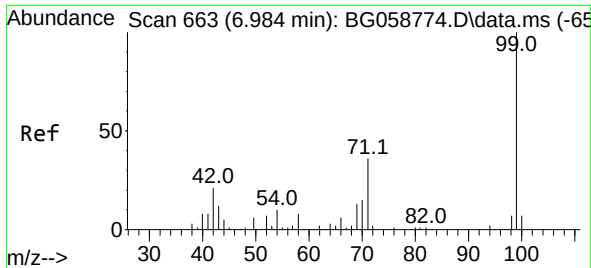
Tgt Ion:152 Resp: 33693  
Ion Ratio Lower Upper  
152 100  
150 153.6 128.6 192.8  
115 57.6 50.4 75.6



#5  
2-Fluorophenol  
Concen: 1.530 ng  
RT: 5.392 min Scan# 392  
Delta R.T. 0.012 min  
Lab File: BG058798.D  
Acq: 21 Aug 2023 17:56

Tgt Ion:112 Resp: 3204  
Ion Ratio Lower Upper  
112 100  
64 66.1 60.6 90.8  
63 43.6 31.0 46.4

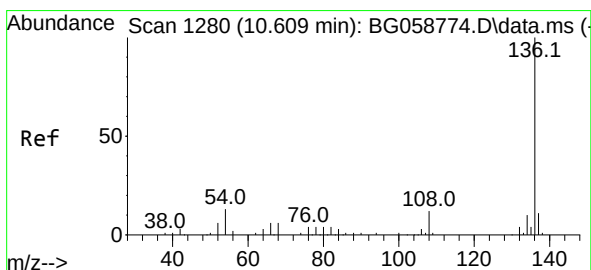
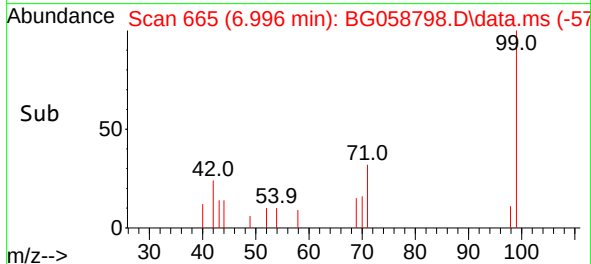
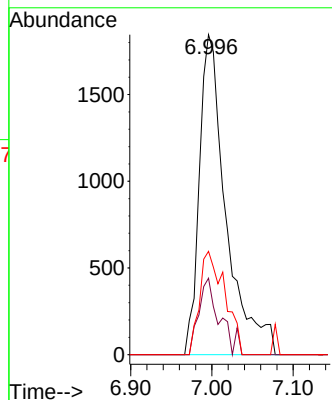
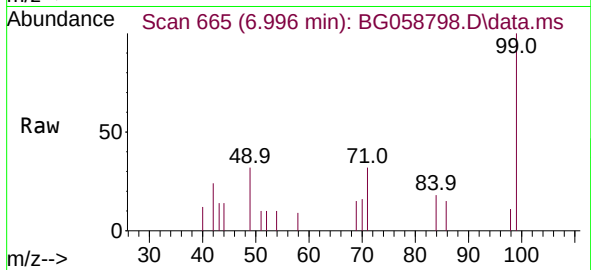




#7  
Phenol-d6  
Concen: 1.436 ng  
RT: 6.996 min Scan# 60  
Delta R.T. 0.012 min  
Lab File: BG058798.D  
Acq: 21 Aug 2023 17:56

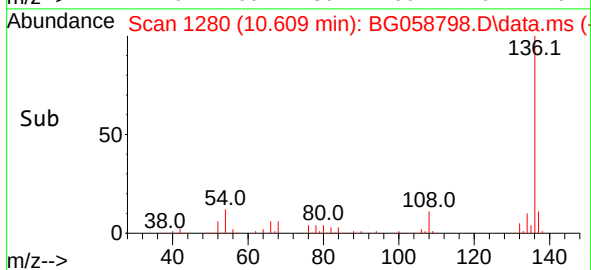
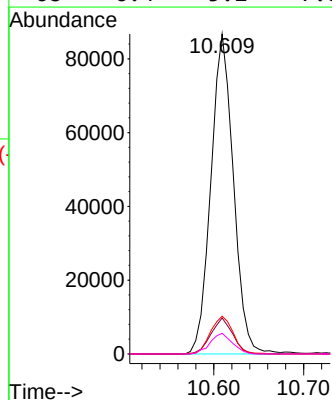
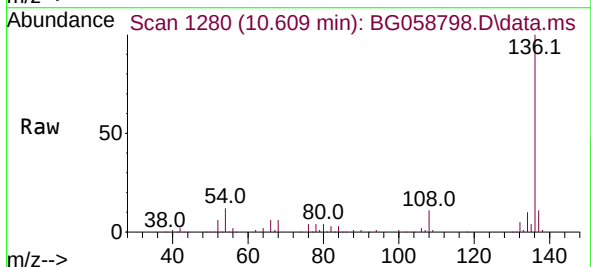
Instrument :  
BNA\_G  
ClientSampleId :  
NEVINS-SB05-Z60-61-QDL

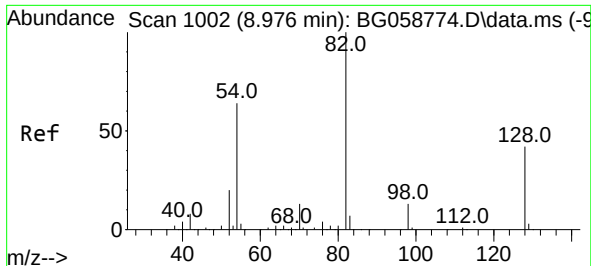
Tgt Ion: 99 Resp: 4217  
Ion Ratio Lower Upper  
99 100  
42 23.9 16.5 24.7  
71 32.3 28.4 42.6



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.609 min Scan# 1280  
Delta R.T. 0.000 min  
Lab File: BG058798.D  
Acq: 21 Aug 2023 17:56

Tgt Ion: 136 Resp: 151158  
Ion Ratio Lower Upper  
136 100  
137 11.2 8.7 13.1  
54 11.8 10.1 15.1  
68 6.4 5.2 7.8

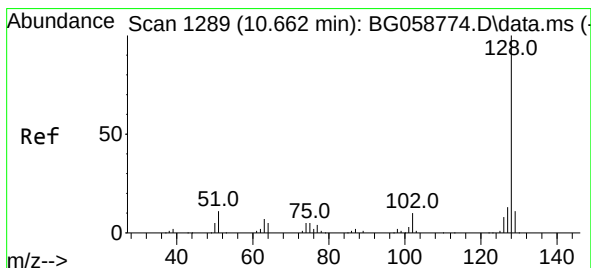
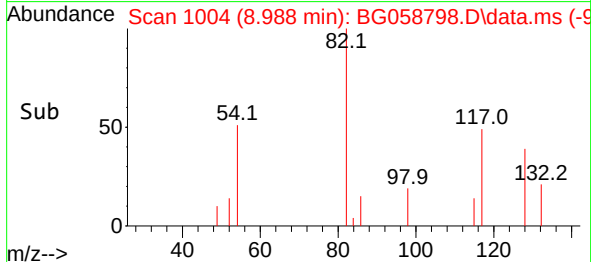
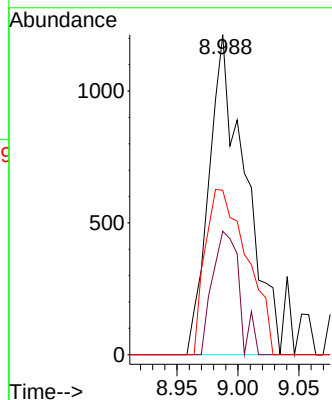
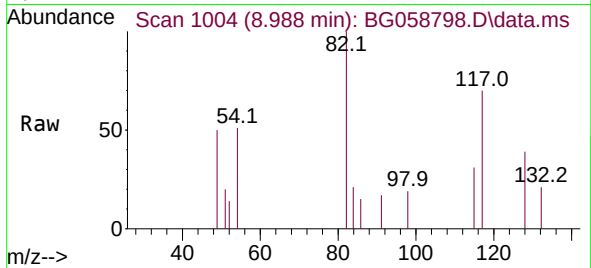




#23  
Nitrobenzene-d5  
Concen: 0.800 ng  
RT: 8.988 min Scan# 1004  
Delta R.T. 0.012 min  
Lab File: BG058798.D  
Acq: 21 Aug 2023 17:56

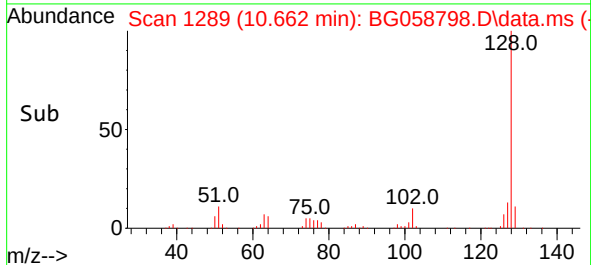
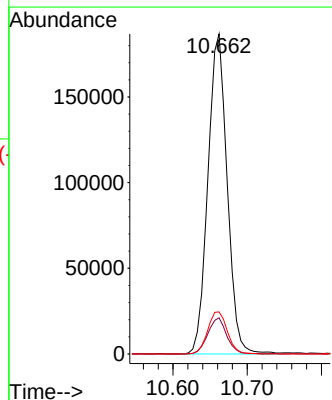
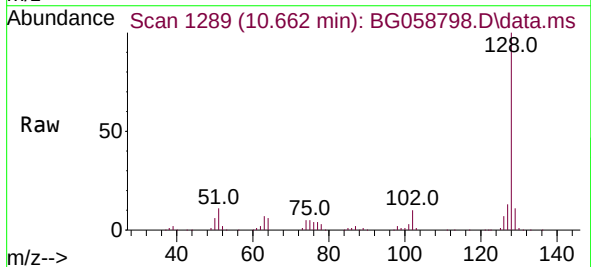
Instrument :  
BNA\_G  
ClientSampleId :  
NEVINS-SB05-Z60-61-QDL

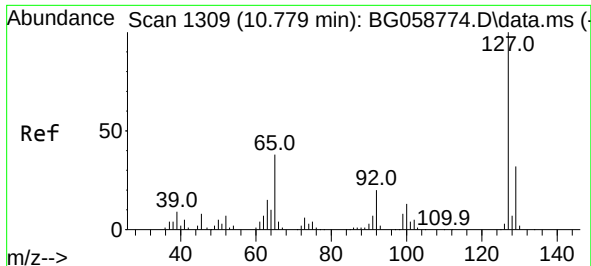
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 38.6  | 33.2  | 49.8  |
| 54      | 51.3  | 51.2  | 76.8  |



#31  
Naphthalene  
Concen: 42.463 ng  
RT: 10.662 min Scan# 1289  
Delta R.T. 0.000 min  
Lab File: BG058798.D  
Acq: 21 Aug 2023 17:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 11.3  | 8.9   | 13.3  |
| 127     | 13.2  | 10.6  | 15.8  |

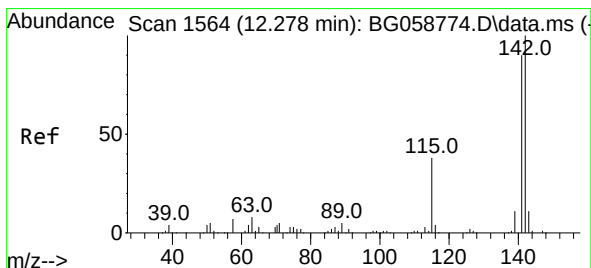
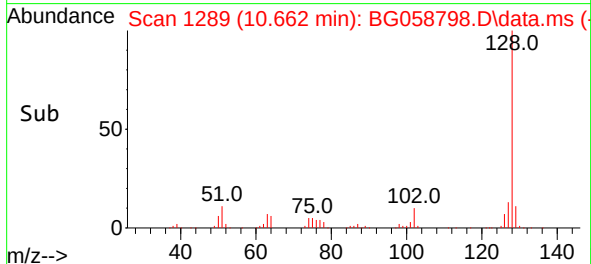
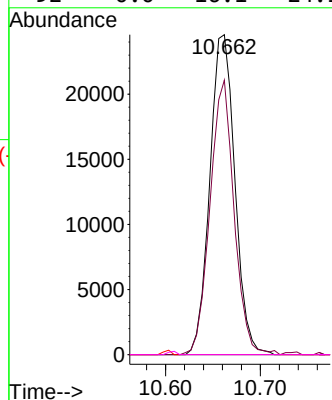
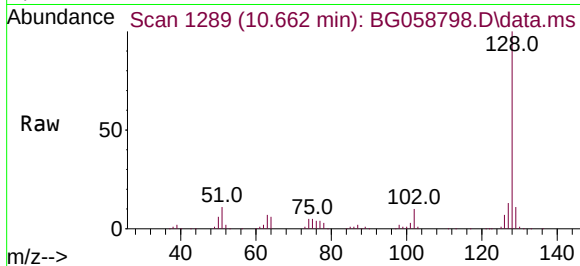




#33  
4-Chloroaniline  
Concen: 13.486 ng  
RT: 10.662 min Scan# 1289  
Delta R.T. -0.117 min  
Lab File: BG058798.D  
Acq: 21 Aug 2023 17:56

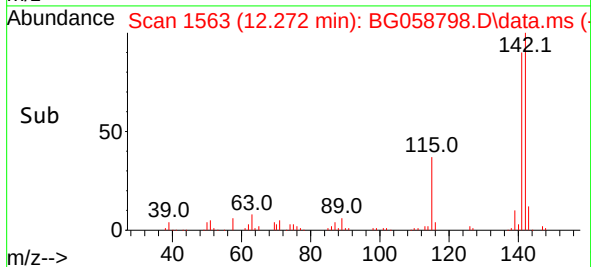
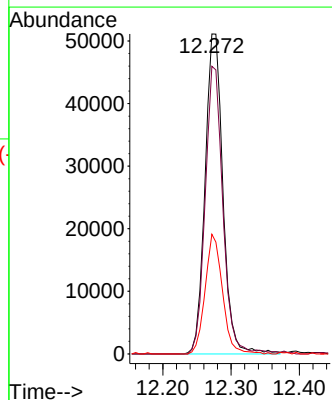
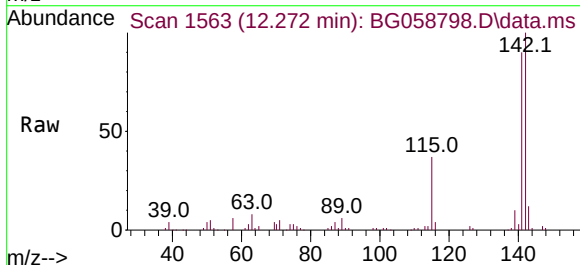
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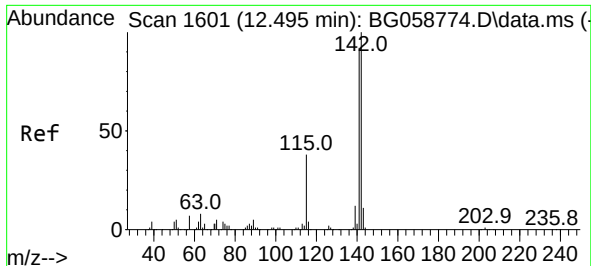
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:127 | Resp: | 45141      |
| Ion Ratio   | Lower | Upper      |
| 127         | 100   |            |
| 129         | 85.8  | 25.2 37.8# |
| 65          | 0.0   | 30.5 45.7# |
| 92          | 0.0   | 16.1 24.1# |



#37  
2-Methylnaphthalene  
Concen: 16.360 ng  
RT: 12.272 min Scan# 1563  
Delta R.T. -0.006 min  
Lab File: BG058798.D  
Acq: 21 Aug 2023 17:56

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:142 | Resp: | 93256      |
| Ion Ratio   | Lower | Upper      |
| 142         | 100   |            |
| 141         | 89.9  | 71.8 107.8 |
| 115         | 37.4  | 30.6 45.8  |

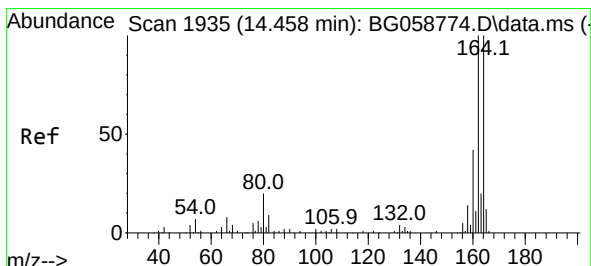
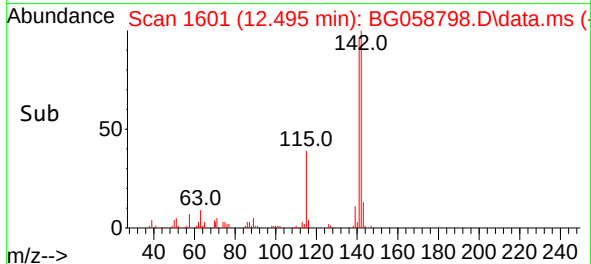
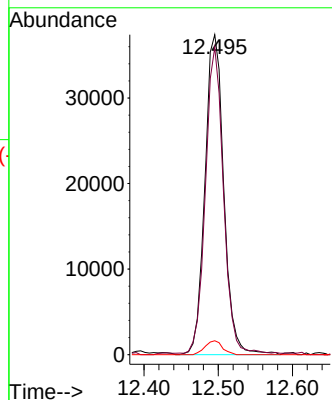
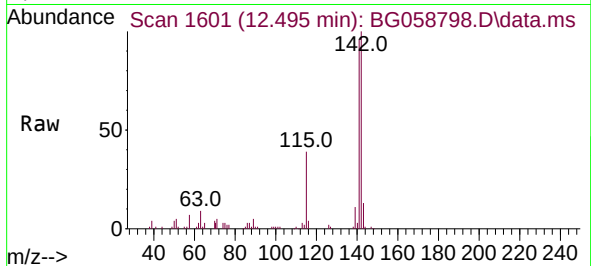




#38  
1-Methylnaphthalene  
Concen: 12.219 ng  
RT: 12.495 min Scan# 1601  
Delta R.T. 0.000 min  
Lab File: BG058798.D  
Acq: 21 Aug 2023 17:56

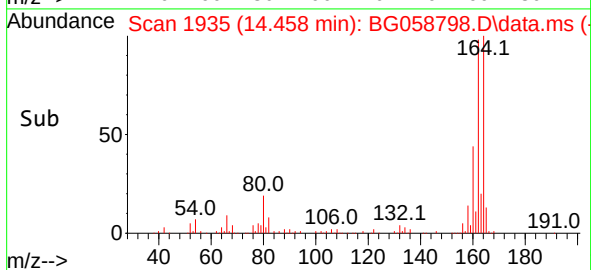
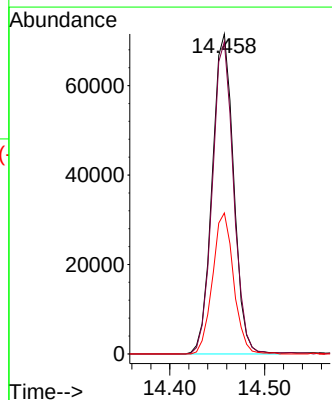
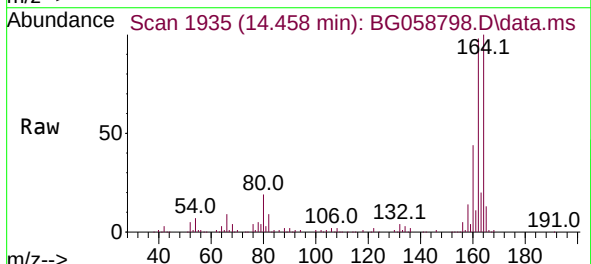
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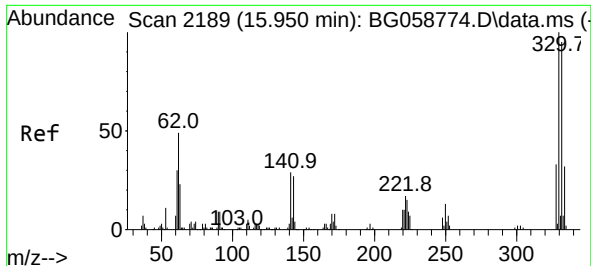
Tgt Ion:142 Resp: 66119  
Ion Ratio Lower Upper  
142 100  
141 96.0 73.9 110.9  
116 4.3 3.2 4.8



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.458 min Scan# 1935  
Delta R.T. 0.000 min  
Lab File: BG058798.D  
Acq: 21 Aug 2023 17:56

Tgt Ion:164 Resp: 112377  
Ion Ratio Lower Upper  
164 100  
162 97.6 79.6 119.4  
160 44.0 34.0 51.0

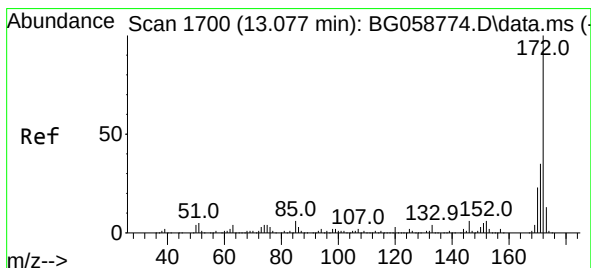
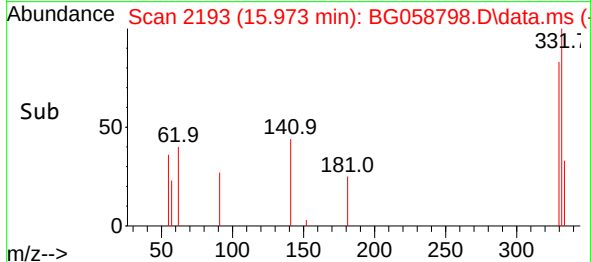
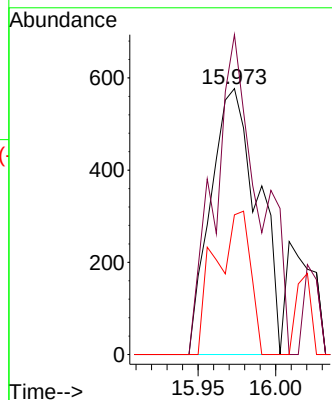
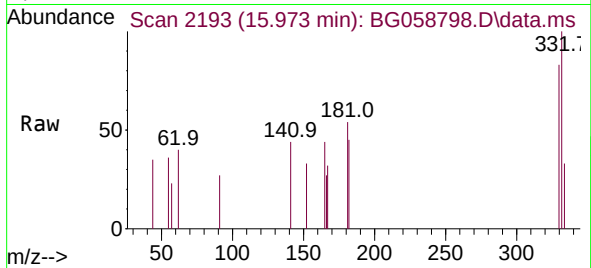




#42  
2,4,6-Tribromophenol  
Concen: 0.695 ng  
RT: 15.973 min Scan# 2189  
Delta R.T. 0.024 min  
Lab File: BG058798.D  
Acq: 21 Aug 2023 17:56

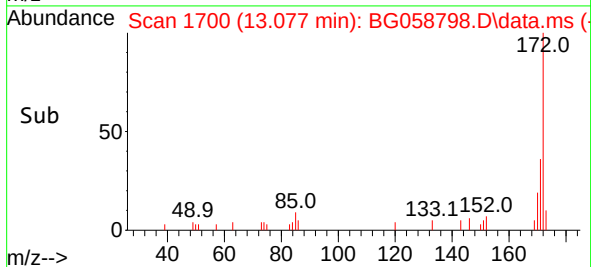
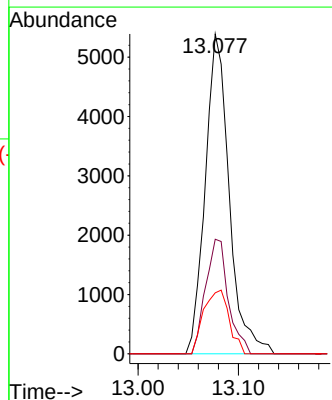
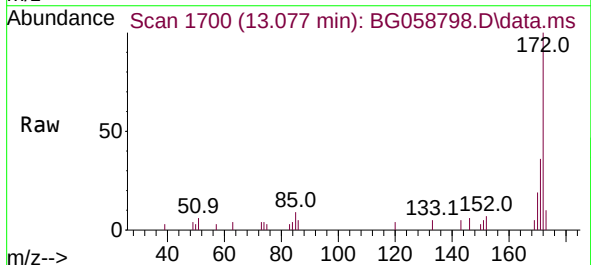
Instrument :  
BNA\_G  
ClientSampleId :  
NEVINS-SB05-Z60-61-QDL

Tgt Ion:330 Resp: 1224  
Ion Ratio Lower Upper  
330 100  
332 113.1 78.5 117.7  
141 40.0 23.0 34.6#

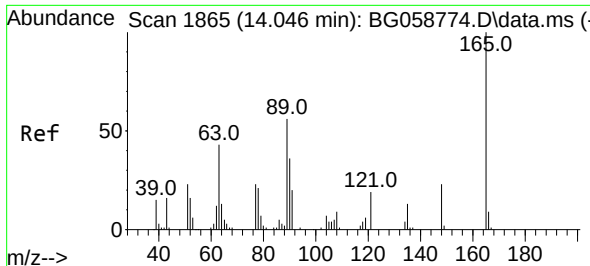


#45  
2-Fluorobiphenyl  
Concen: 1.156 ng  
RT: 13.077 min Scan# 1700  
Delta R.T. -0.000 min  
Lab File: BG058798.D  
Acq: 21 Aug 2023 17:56

Tgt Ion:172 Resp: 8929  
Ion Ratio Lower Upper  
172 100  
171 35.8 28.1 42.1  
170 19.1 18.6 27.8







#51

2,6-Dinitrotoluene

Concen: 8.468 ng

RT: 14.458 min Scan# 1935

Delta R.T. 0.411 min

Lab File: BG058798.D

Acq: 21 Aug 2023 17:56

Instrument :

BNA\_G

ClientSampleId :

NEVINS-SB05-Z60-61-QDL

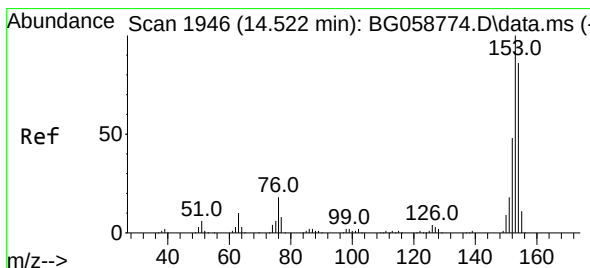
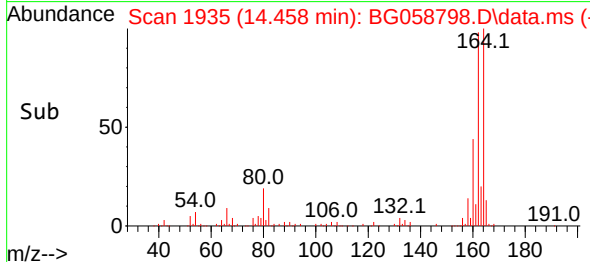
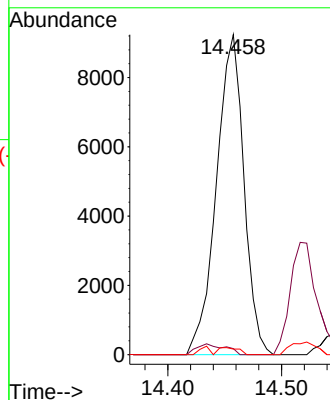
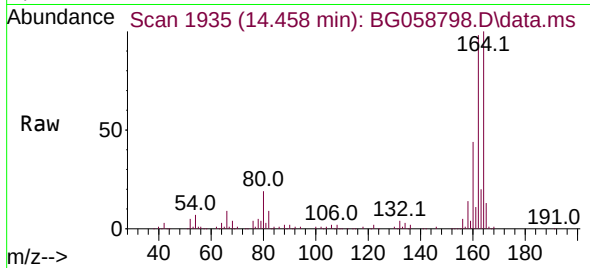
Tgt Ion:165 Resp: 15480

Ion Ratio Lower Upper

165 100

63 1.9 47.2 70.8#

89 1.7 45.0 67.4#



#52

Acenaphthene

Concen: 8.624 ng

RT: 14.522 min Scan# 1946

Delta R.T. 0.000 min

Lab File: BG058798.D

Acq: 21 Aug 2023 17:56

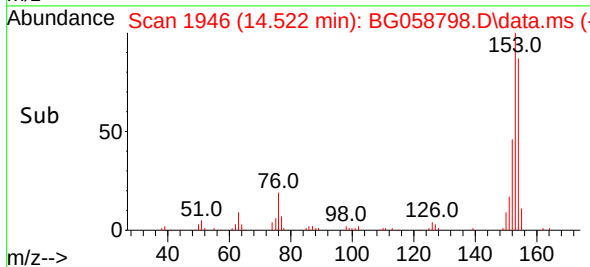
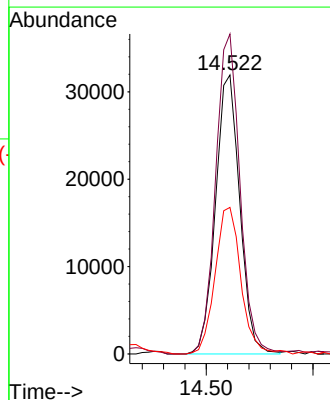
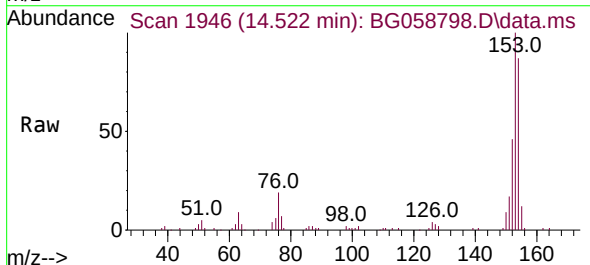
Tgt Ion:154 Resp: 50420

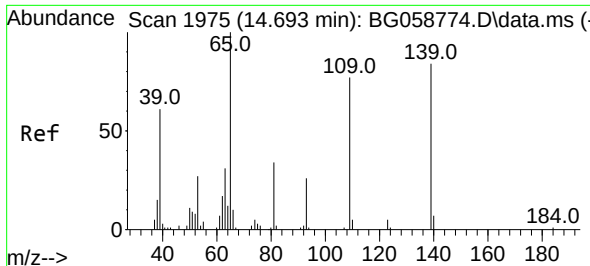
Ion Ratio Lower Upper

154 100

153 114.7 92.7 139.1

152 52.5 44.2 66.2

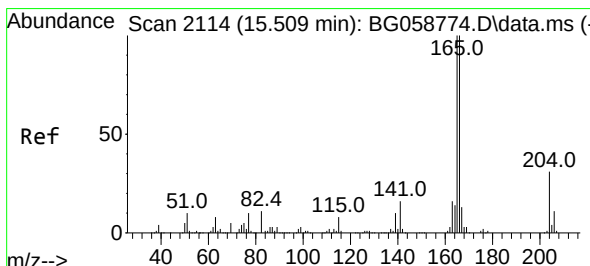
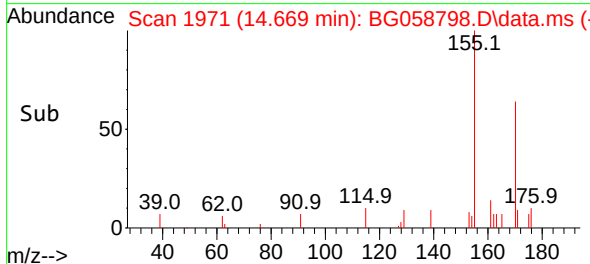
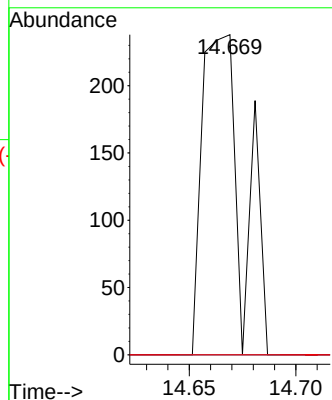
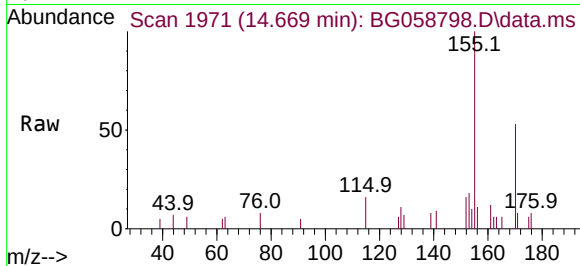




#56  
4-Nitrophenol  
Concen: 4.689 ng  
RT: 14.669 min Scan# 1975  
Delta R.T. -0.024 min  
Lab File: BG058798.D  
Acq: 21 Aug 2023 17:56

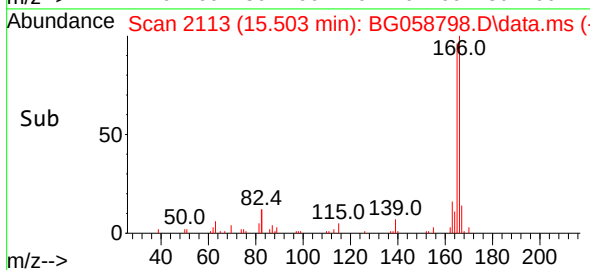
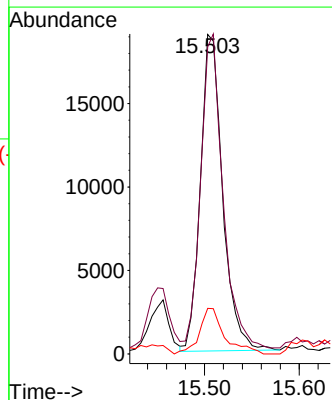
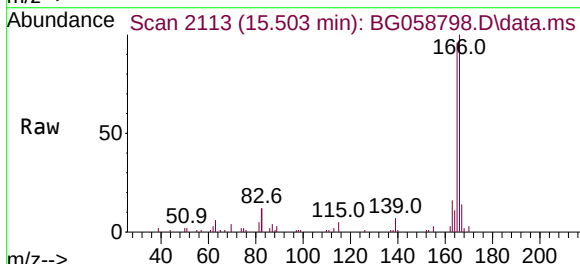
Instrument :  
BNA\_G  
ClientSampleId :  
NEVINS-SB05-Z60-61-QDL

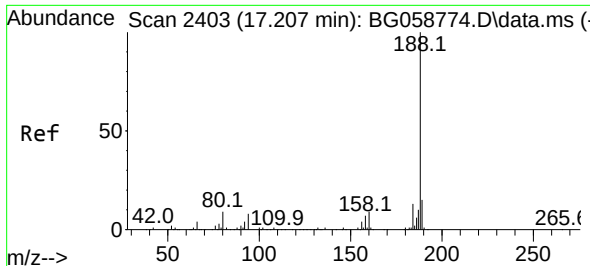
Tgt Ion:139 Resp: 312  
Ion Ratio Lower Upper  
139 100  
109 0.0 71.9 111.9#  
65 0.0 100.7 140.7#



#58  
Fluorene  
Concen: 3.863 ng  
RT: 15.503 min Scan# 2113  
Delta R.T. -0.006 min  
Lab File: BG058798.D  
Acq: 21 Aug 2023 17:56

Tgt Ion:166 Resp: 31002  
Ion Ratio Lower Upper  
166 100  
165 96.1 79.9 119.9  
167 14.3 10.7 16.1

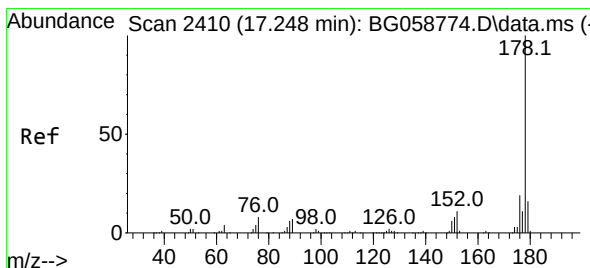
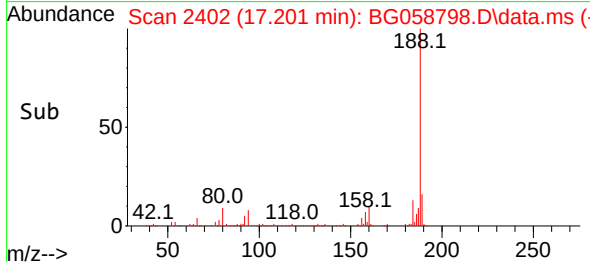
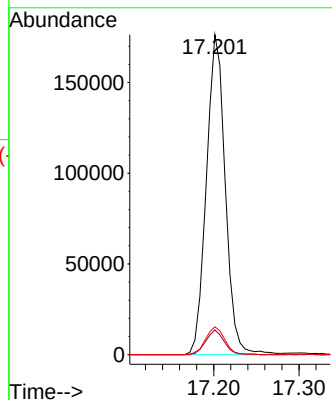
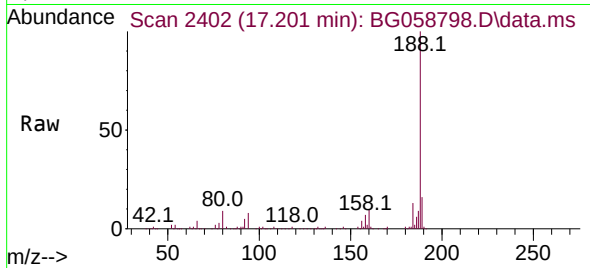




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.201 min Scan# 2402  
Delta R.T. -0.006 min  
Lab File: BG058798.D  
Acq: 21 Aug 2023 17:56

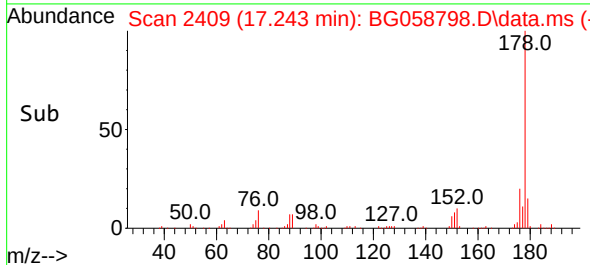
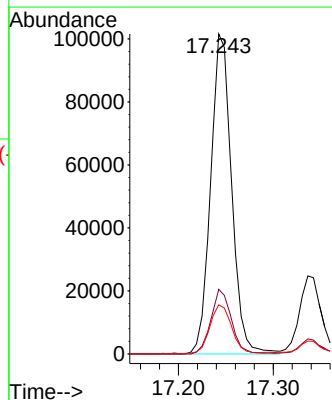
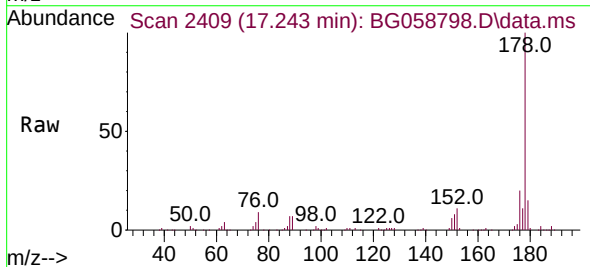
Instrument :  
BNA\_G  
ClientSampleId :  
NEVINS-SB05-Z60-61-QDL

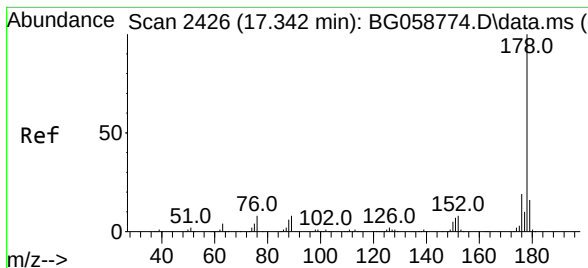
Tgt Ion:188 Resp: 271524  
Ion Ratio Lower Upper  
188 100  
94 7.7 6.1 9.1  
80 8.7 6.9 10.3



#71  
Phenanthrene  
Concen: 11.976 ng  
RT: 17.243 min Scan# 2409  
Delta R.T. -0.006 min  
Lab File: BG058798.D  
Acq: 21 Aug 2023 17:56

Tgt Ion:178 Resp: 156103  
Ion Ratio Lower Upper  
178 100  
176 20.2 15.5 23.3  
179 15.4 13.0 19.4





#72

Anthracene

Concen: 3.100 ng

RT: 17.337 min Scan# 2426

Delta R.T. -0.006 min

Lab File: BG058798.D

Acq: 21 Aug 2023 17:56

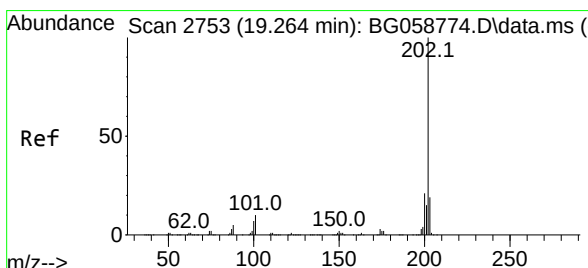
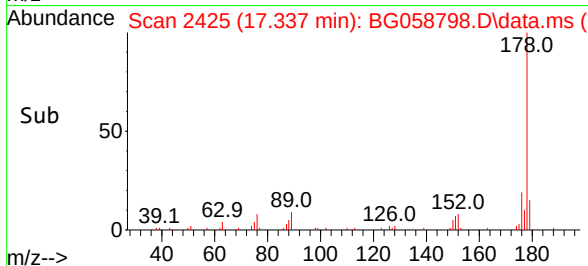
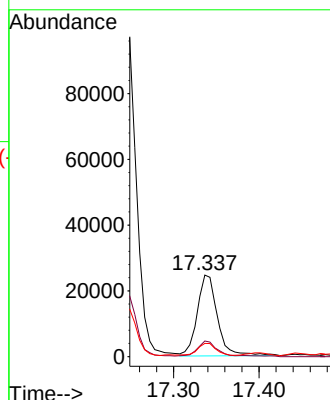
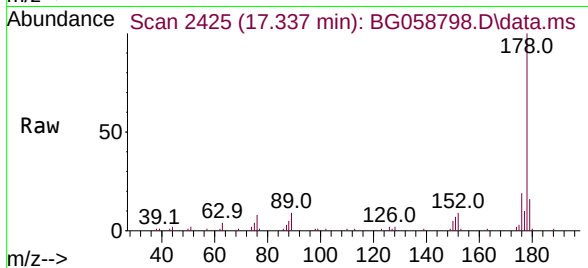
Instrument :

BNA\_G

ClientSampleId :

NEVINS-SB05-Z60-61-QDL

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:178 | Resp: | 40525     |
| Ion Ratio   | Lower | Upper     |
| 178         | 100   |           |
| 176         | 19.1  | 15.4 23.2 |
| 179         | 16.2  | 12.9 19.3 |



#75

Fluoranthene

Concen: 4.207 ng

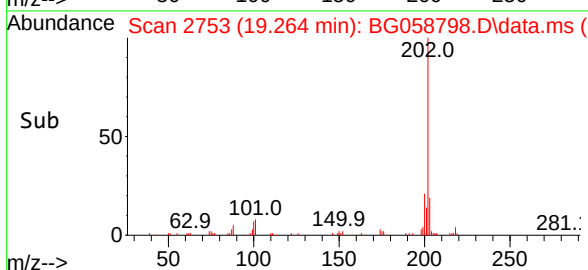
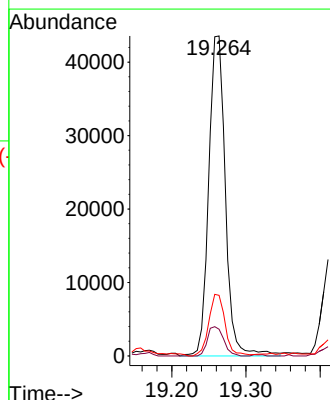
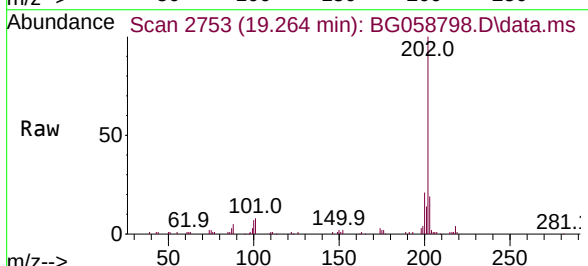
RT: 19.264 min Scan# 2753

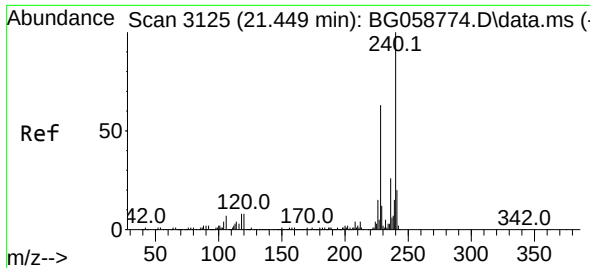
Delta R.T. -0.000 min

Lab File: BG058798.D

Acq: 21 Aug 2023 17:56

|             |       |          |
|-------------|-------|----------|
| Tgt Ion:202 | Resp: | 68006    |
| Ion Ratio   | Lower | Upper    |
| 202         | 100   |          |
| 101         | 8.3   | 0.0 29.7 |
| 203         | 18.9  | 0.0 38.7 |

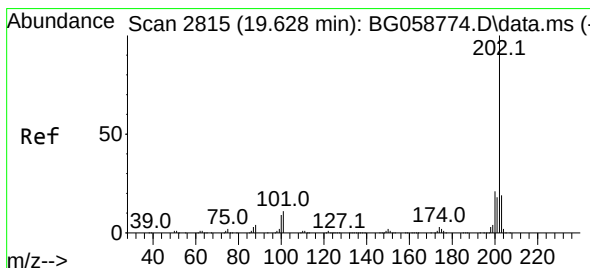
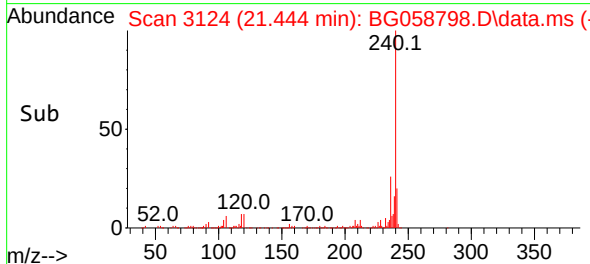
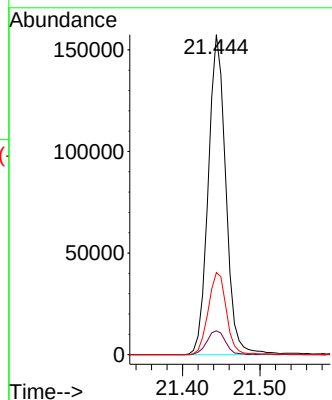
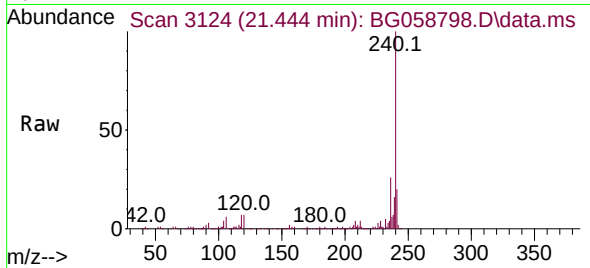




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.444 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: BG058798.D  
Acq: 21 Aug 2023 17:56

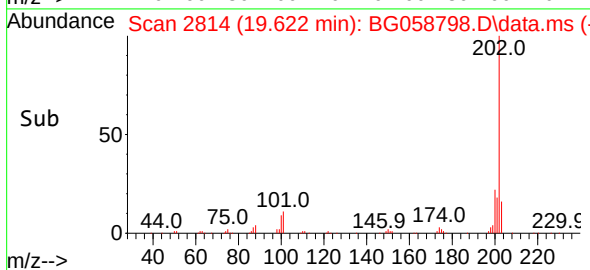
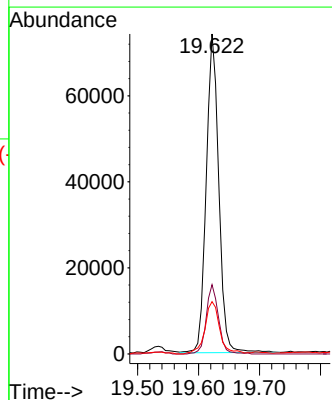
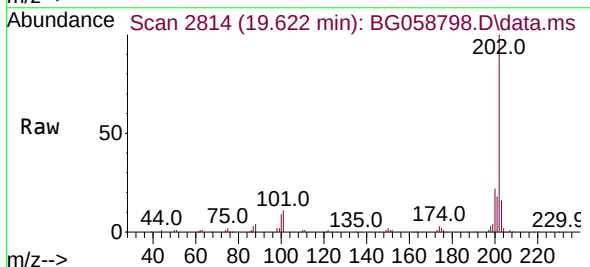
Instrument :  
BNA\_G  
ClientSampleId :  
NEVINS-SB05-Z60-61-QDL

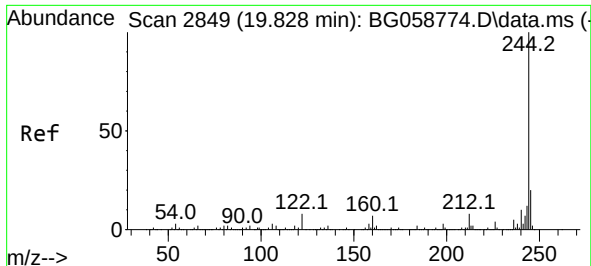
Tgt Ion:240 Resp: 247483  
Ion Ratio Lower Upper  
240 100  
120 7.4 6.2 9.2  
236 25.6 20.5 30.7



#78  
Pyrene  
Concen: 6.144 ng  
RT: 19.622 min Scan# 2814  
Delta R.T. -0.006 min  
Lab File: BG058798.D  
Acq: 21 Aug 2023 17:56

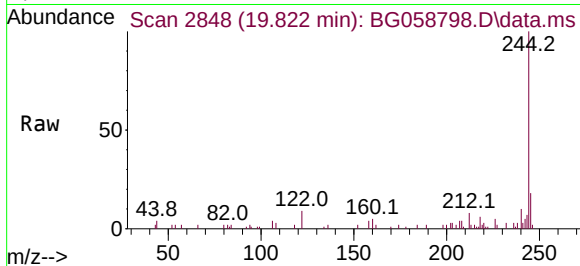
Tgt Ion:202 Resp: 105947  
Ion Ratio Lower Upper  
202 100  
200 21.6 16.7 25.1  
203 16.4 15.3 22.9



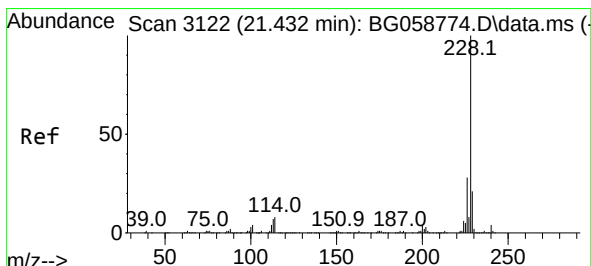
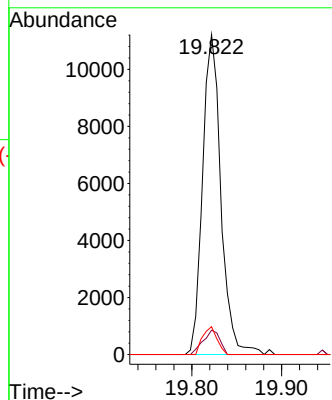
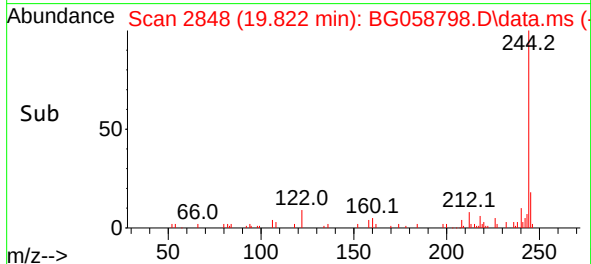


#79  
 Terphenyl-d14  
 Concen: 1.158 ng  
 RT: 19.822 min Scan# 2848  
 Delta R.T. -0.006 min  
 Lab File: BG058798.D  
 Acq: 21 Aug 2023 17:56

Instrument :  
 BNA\_G  
 ClientSampleId :  
 NEVINS-SB05-Z60-61-QDL

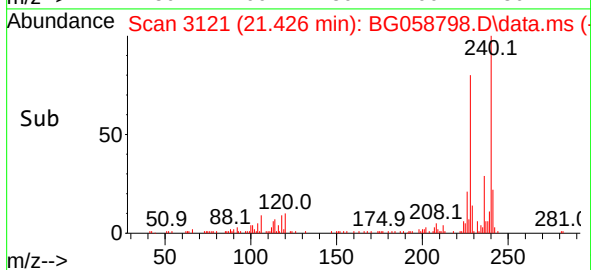
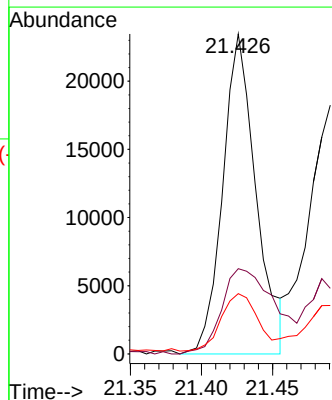
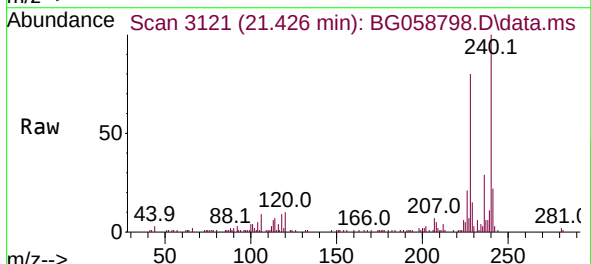


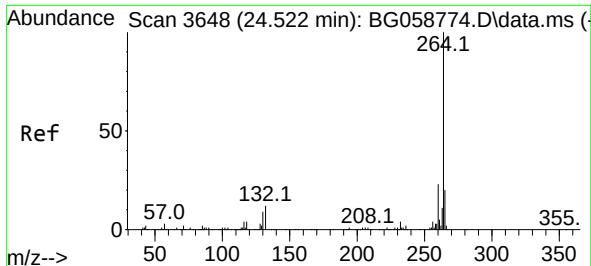
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 244   | Resp: | 15960 |
| Ion Ratio | Lower | Upper |       |
| 244       | 100   |       |       |
| 212       | 7.6   | 6.2   | 9.2   |
| 122       | 8.7   | 6.3   | 9.5   |



#81  
 Benzo(a)anthracene  
 Concen: 2.221 ng  
 RT: 21.426 min Scan# 3121  
 Delta R.T. -0.006 min  
 Lab File: BG058798.D  
 Acq: 21 Aug 2023 17:56

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 38259 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 26.6  | 22.6  | 33.8  |
| 229       | 18.8  | 16.8  | 25.2  |

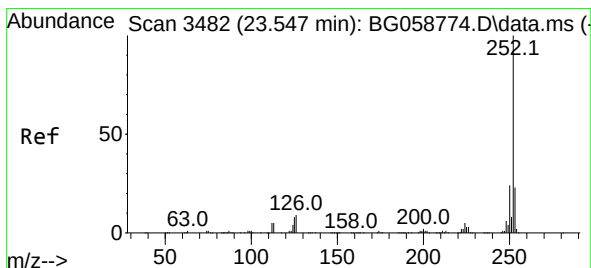
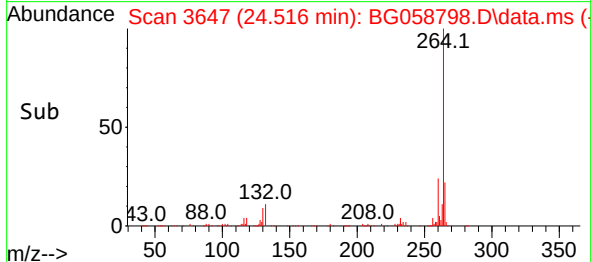
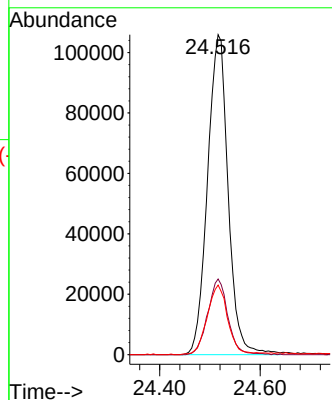
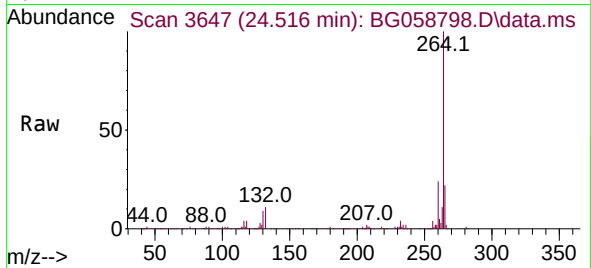




#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.516 min Scan# 30  
 Delta R.T. -0.006 min  
 Lab File: BG058798.D  
 Acq: 21 Aug 2023 17:56

Instrument :  
 BNA\_G  
 ClientSampleId :  
 NEVINS-SB05-Z60-61-QDL

Tgt Ion:264 Resp: 301772  
 Ion Ratio Lower Upper  
 264 100  
 260 23.6 18.2 27.2  
 265 21.8 16.4 24.6



#88  
 Benzo(b)fluoranthene  
 Concen: 2.009 ng  
 RT: 23.553 min Scan# 3483  
 Delta R.T. 0.006 min  
 Lab File: BG058798.D  
 Acq: 21 Aug 2023 17:56

Tgt Ion:252 Resp: 33642  
 Ion Ratio Lower Upper  
 252 100  
 253 22.7 18.4 27.6  
 125 9.5 6.2 9.2#

