

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG121923\  
 Data File : BG060087.D  
 Acq On : 19 Dec 2023 16:06  
 Operator : MA/JU  
 Sample : 05829-01  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW-3

Quant Time: Dec 19 16:52:42 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG121323.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 19 04:37:23 2023  
 Response via : Initial Calibration

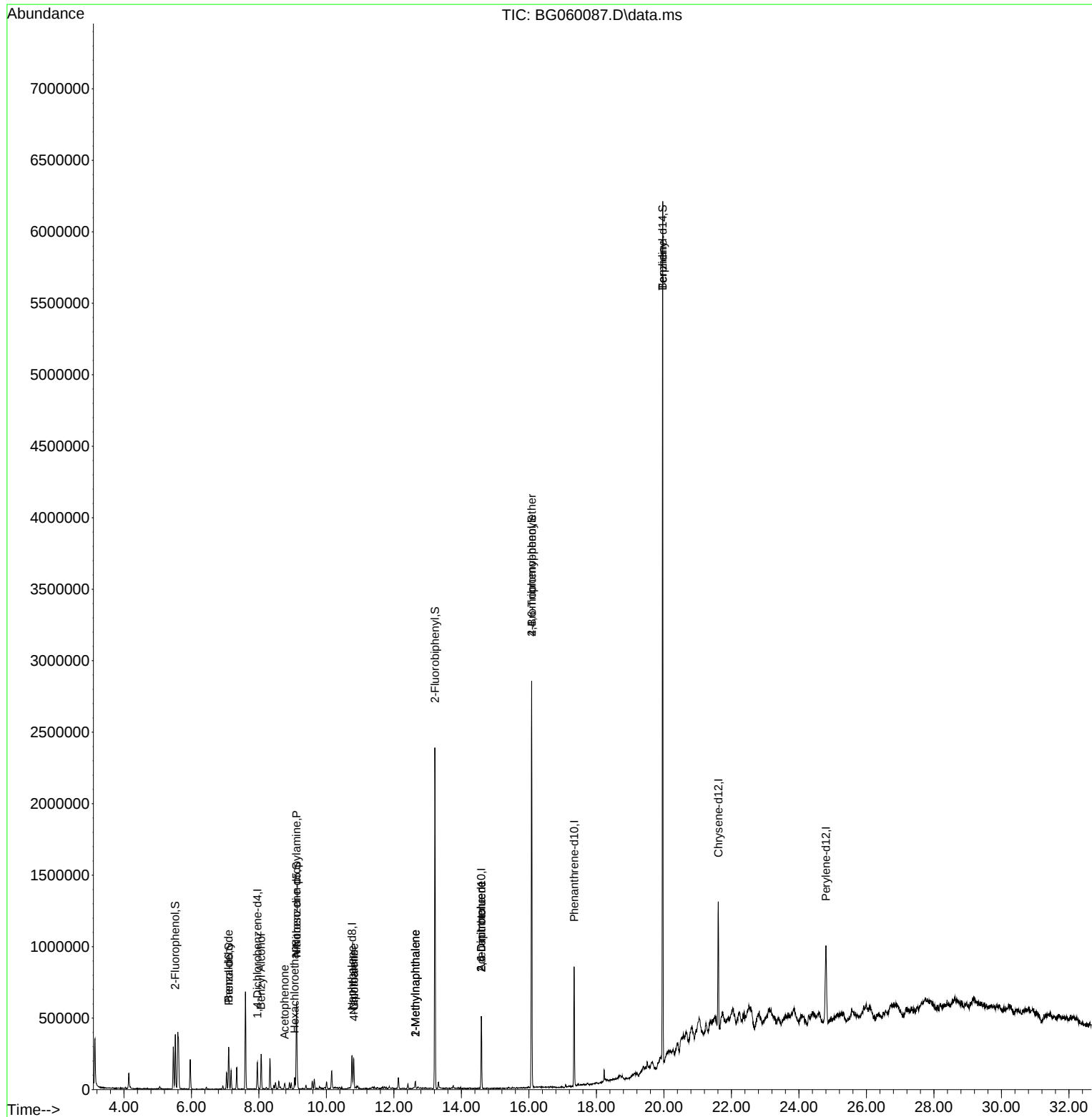
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.955  | 152  | 49768    | 20.000    | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.757 | 136  | 174453   | 20.000    | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.588 | 164  | 175234   | 20.000    | ng    | -0.01    |
| 64) Phenanthrene-d10          | 17.338 | 188  | 583675   | 20.000    | ng    | #-0.01   |
| 76) Chrysene-d12              | 21.609 | 240  | 622471   | 20.000    | ng    | #-0.01   |
| 86) Perylene-d12              | 24.799 | 264  | 670958   | 20.000    | ng    | -0.02    |
|                               |        |      |          |           |       |          |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.522  | 112  | 128081   | 44.056    | ng    | 0.00     |
| 7) Phenol-d6                  | 7.108  | 99   | 106035   | 25.928    | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.112  | 82   | 338073   | 87.997    | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 16.080 | 330  | 663956   | 162.584   | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.213 | 172  | 1271118  | 88.779    | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.964 | 244  | 3208567  | 94.107    | ng    | 0.00     |
|                               |        |      |          |           |       |          |
| Target Compounds              |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde               | 7.103  | 77   | 6766     | 2.721     | ng    | # 1      |
| 15) Benzyl Alcohol            | 8.066  | 79   | 14290    | 4.348     | ng    | # 4      |
| 18) Hexachloroethane          | 9.059  | 117  | 10209    | 8.791     | ng    | # 1      |
| 19) n-Nitroso-di-n-propyla... | 9.112  | 70   | 51963    | 19.695    | ng    | # 77     |
| 22) Acetophenone              | 8.759  | 105  | 23599    | 4.642     | ng    | # 85     |
| 31) Naphthalene               | 10.810 | 128  | 141238   | 15.552    | ng    | 97       |
| 33) 4-Chloroaniline           | 10.816 | 127  | 20292    | 5.872     | ng    | # 48     |
| 37) 2-Methylnaphthalene       | 12.637 | 142  | 19048    | 2.674     | ng    | 88       |
| 38) 1-Methylnaphthalene       | 12.637 | 142  | 19048    | 2.707     | ng    | # 76     |
| 51) 2,6-Dinitrotoluene        | 14.588 | 165  | 25601    | 9.086     | ng    | # 24     |
| 57) 2,4-Dinitrotoluene        | 14.588 | 165  | 25601    | 6.464     | ng    | # 27     |
| 67) 4-Bromophenyl-phenylether | 16.080 | 248  | 40297    | 4.893     | ng    | # 1      |
| 69) Atrazine                  | 16.791 | 200  | 54       | Below Cal |       | # 34     |
| 77) Benzidine                 | 19.964 | 184  | 52910    | 6.618     | ng    | # 93     |
| -----                         |        |      |          |           |       |          |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG121923\  
Data File : BG060087.D  
Acq On : 19 Dec 2023 16:06  
Operator : MA/JU  
Sample : 05829-01  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
MW-3

Quant Time: Dec 19 16:52:42 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG121323.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Dec 19 04:37:23 2023  
Response via : Initial Calibration

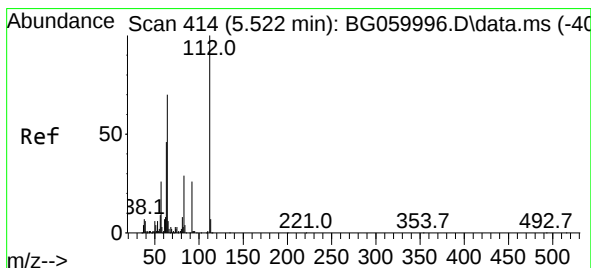
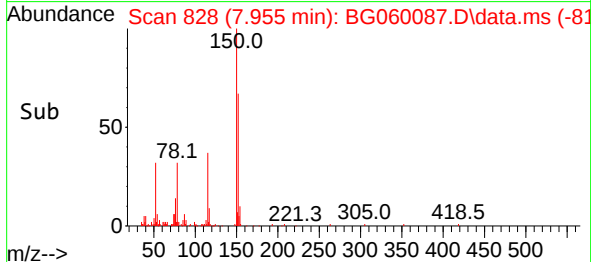
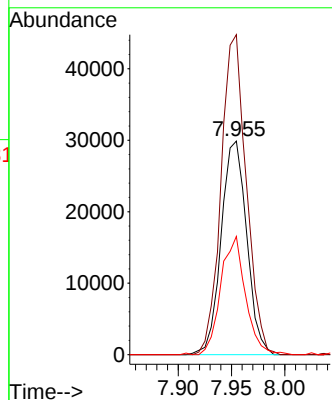
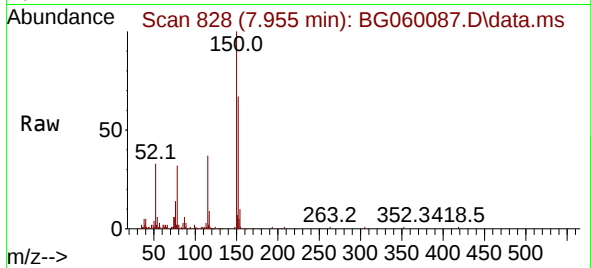




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.955 min Scan# 81  
 Delta R.T. -0.004 min  
 Lab File: BG060087.D  
 Acq: 19 Dec 2023 16:06

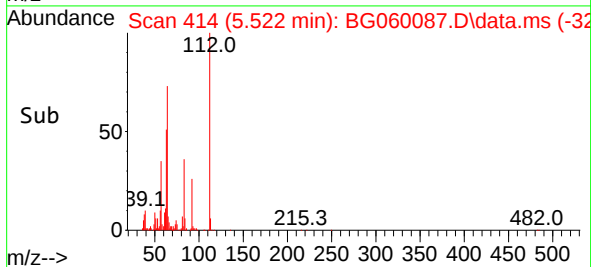
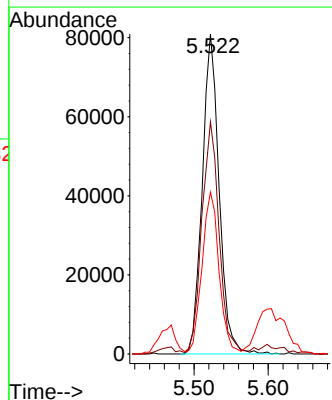
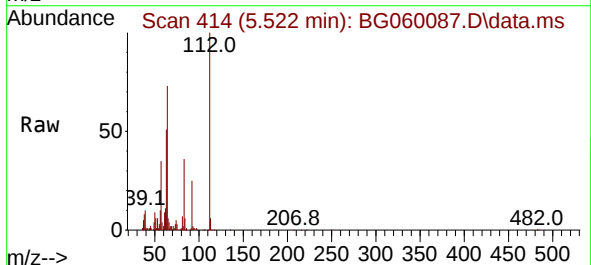
Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW-3

Tgt Ion:152 Resp: 49768  
 Ion Ratio Lower Upper  
 152 100  
 150 149.8 127.0 190.6  
 115 55.3 45.7 68.5



#5  
 2-Fluorophenol  
 Concen: 44.056 ng  
 RT: 5.522 min Scan# 414  
 Delta R.T. -0.004 min  
 Lab File: BG060087.D  
 Acq: 19 Dec 2023 16:06

Tgt Ion:112 Resp: 128081  
 Ion Ratio Lower Upper  
 112 100  
 64 72.6 55.9 83.9  
 63 50.6 36.5 54.7

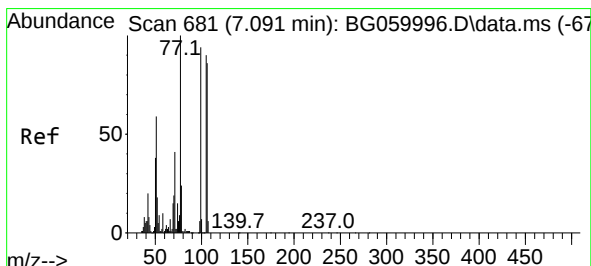
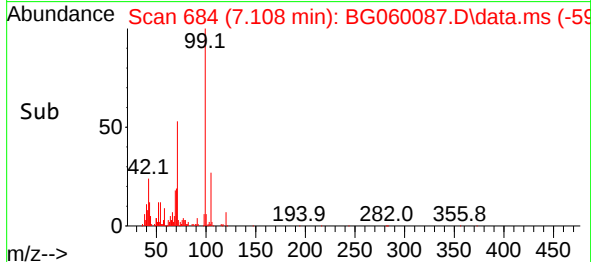
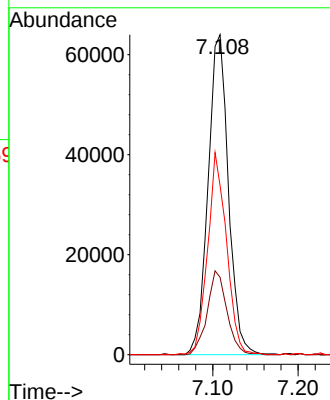
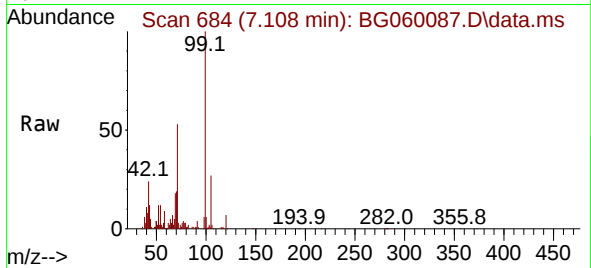




#7  
Phenol-d6  
Concen: 25.928 ng  
RT: 7.108 min Scan# 61  
Delta R.T. -0.004 min  
Lab File: BG060087.D  
Acq: 19 Dec 2023 16:06

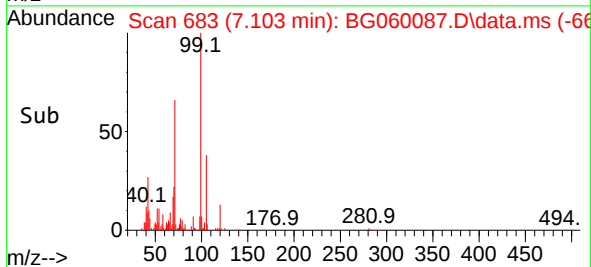
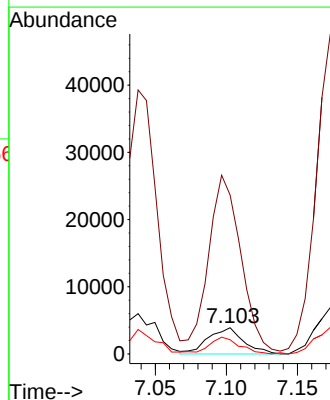
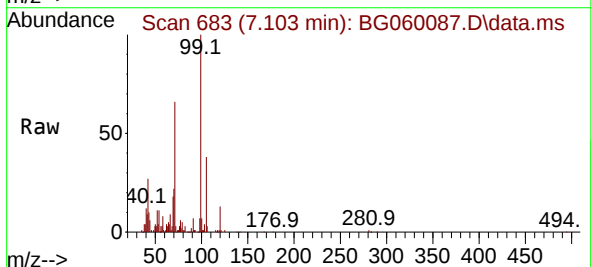
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ClientSampleId :  
MW-3

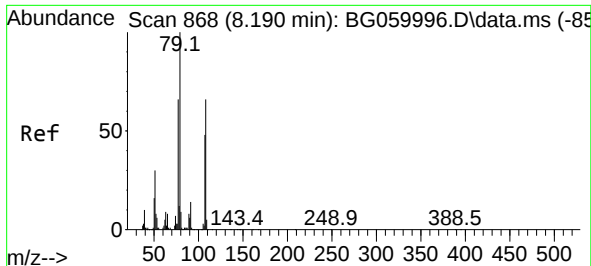
Tgt Ion: 99 Resp: 106035  
Ion Ratio Lower Upper  
99 100  
42 24.2 16.2 24.4  
71 52.9 37.6 56.4



#9  
Benzaldehyde  
Concen: 2.721 ng  
RT: 7.103 min Scan# 683  
Delta R.T. 0.008 min  
Lab File: BG060087.D  
Acq: 19 Dec 2023 16:06

Tgt Ion: 77 Resp: 6766  
Ion Ratio Lower Upper  
77 100  
105 605.7 70.5 110.5#  
106 54.1 66.0 106.0#

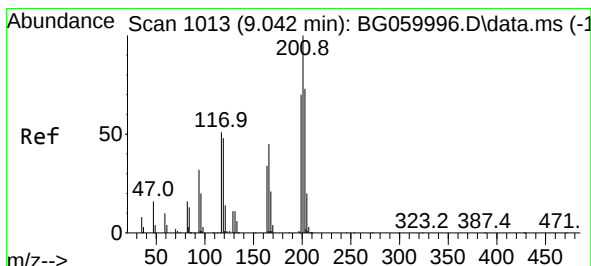
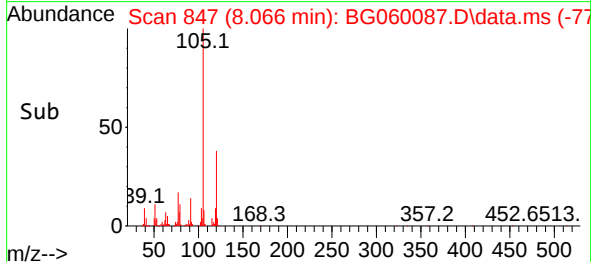
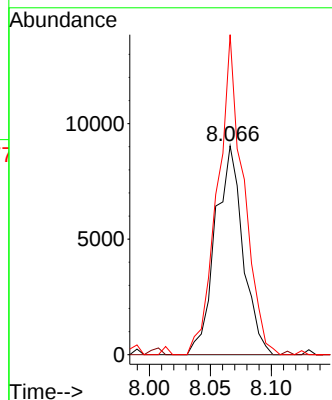
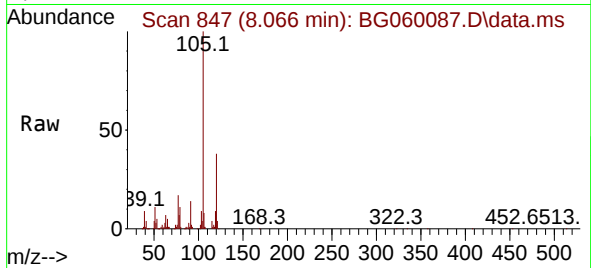




#15  
Benzyl Alcohol  
Concen: 4.348 ng  
RT: 8.066 min Scan# 84  
Delta R.T. -0.128 min  
Lab File: BG060087.D  
Acq: 19 Dec 2023 16:06

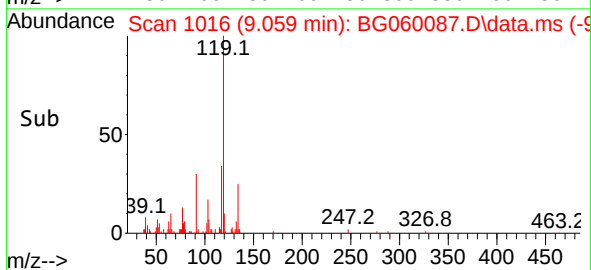
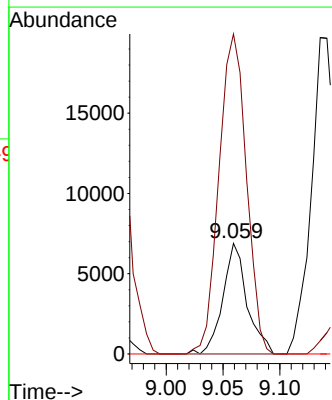
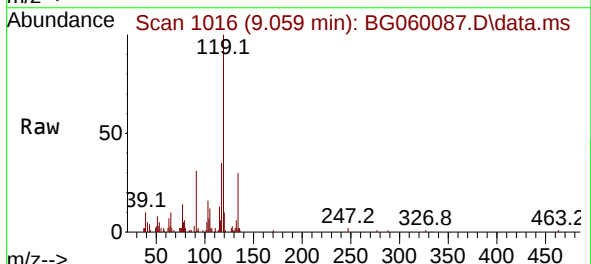
Instrument :  
BNA\_G  
ClientSampleId :  
MW-3

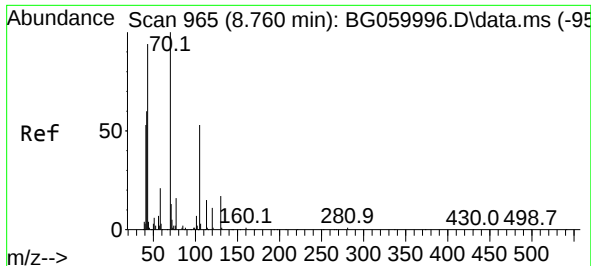
Tgt Ion: 79 Resp: 14290  
Ion Ratio Lower Upper  
79 100  
108 0.0 53.1 79.7#  
77 153.3 52.8 79.2#



#18  
Hexachloroethane  
Concen: 8.791 ng  
RT: 9.059 min Scan# 1016  
Delta R.T. 0.014 min  
Lab File: BG060087.D  
Acq: 19 Dec 2023 16:06

Tgt Ion: 117 Resp: 10209  
Ion Ratio Lower Upper  
117 100  
119 289.4 74.5 111.7#  
201 0.0 156.5 234.7#

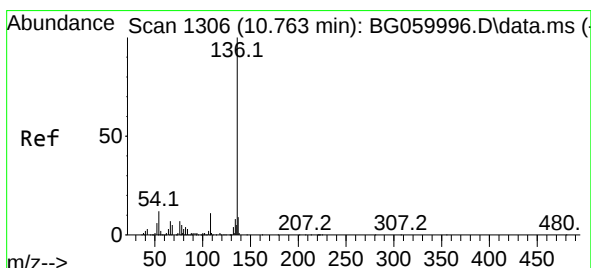
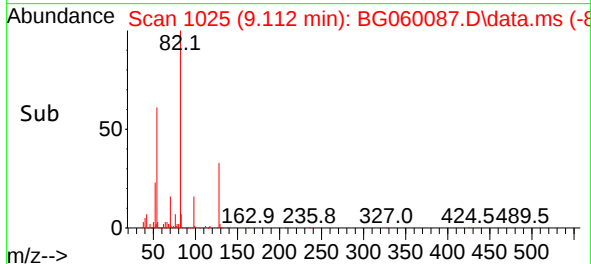
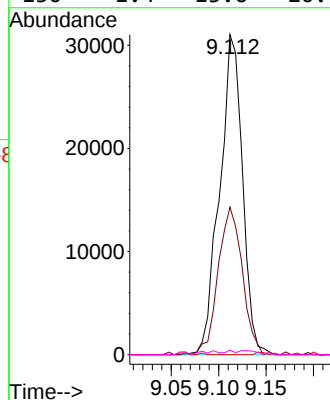
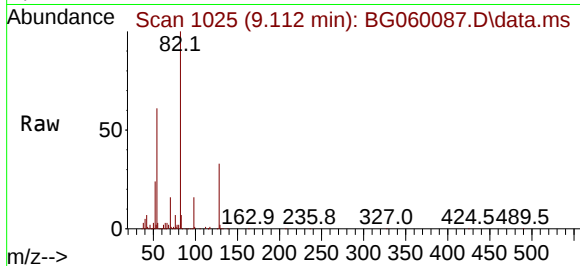




#19  
n-Nitroso-di-n-propylamine  
Concen: 19.695 ng  
RT: 9.112 min Scan# 1025  
Delta R.T. 0.348 min  
Lab File: BG060087.D  
Acq: 19 Dec 2023 16:06

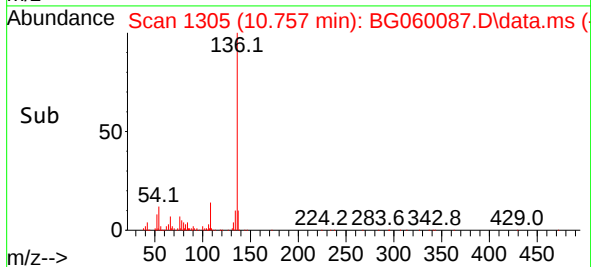
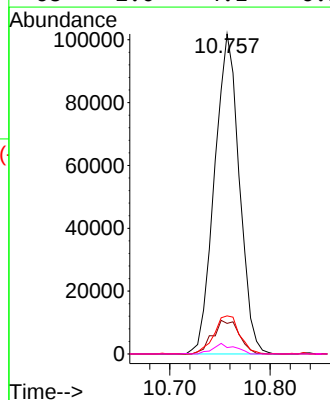
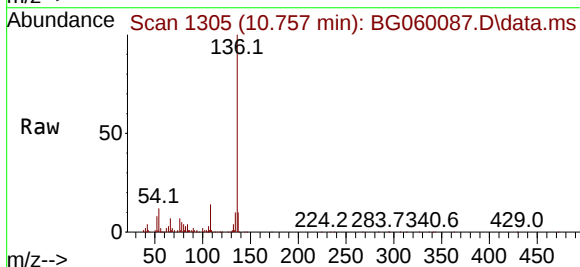
Instrument :  
BNA\_G  
ClientSampleId :  
MW-3

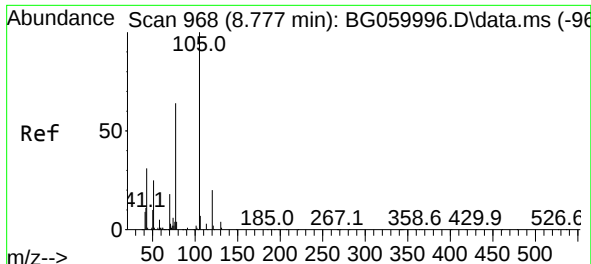
|             |             |
|-------------|-------------|
| Tgt Ion: 70 | Resp: 51963 |
| Ion Ratio   | Lower Upper |
| 70 100      |             |
| 42 46.1     | 48.6 73.0#  |
| 101 0.0     | 5.7 8.5#    |
| 130 1.4     | 13.6 20.4#  |



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.757 min Scan# 1305  
Delta R.T. -0.004 min  
Lab File: BG060087.D  
Acq: 19 Dec 2023 16:06

|              |              |
|--------------|--------------|
| Tgt Ion: 136 | Resp: 174453 |
| Ion Ratio    | Lower Upper  |
| 136 100      |              |
| 137 9.5      | 7.3 10.9     |
| 54 11.9      | 9.6 14.4     |
| 68 2.0       | 4.1 6.1#     |

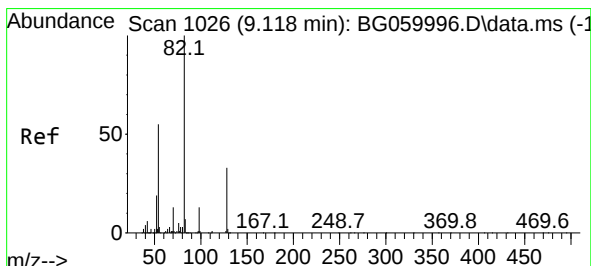
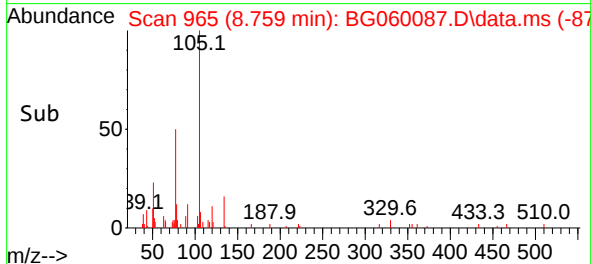
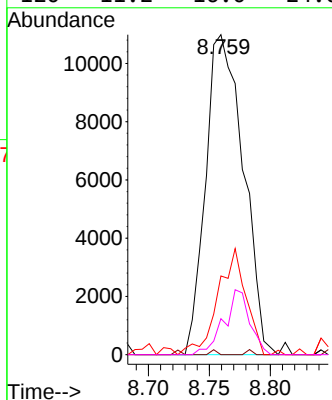
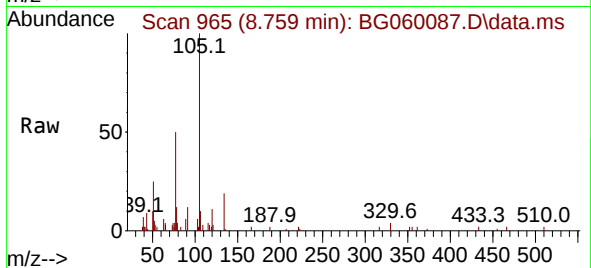




#22  
Acetophenone  
Concen: 4.642 ng  
RT: 8.759 min Scan# 90  
Delta R.T. -0.022 min  
Lab File: BG060087.D  
Acq: 19 Dec 2023 16:06

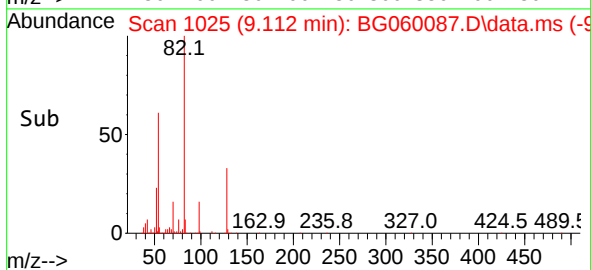
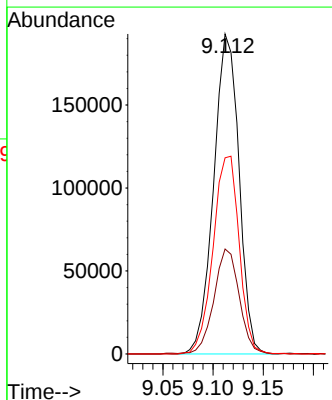
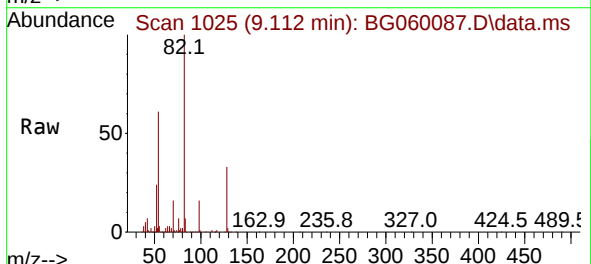
Instrument :  
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ClientSampleId :  
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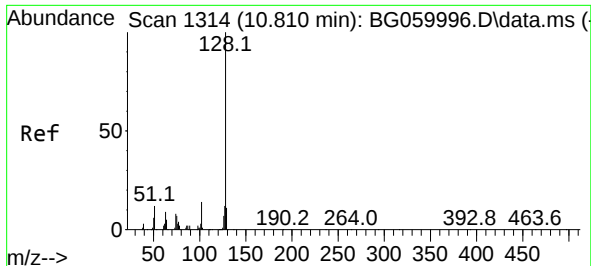
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|-----------|-------|-------|-------|
| Tgt Ion:  | 105   | Resp: | 23599 |
| Ion Ratio | Lower | Upper |       |
| 105       | 100   |       |       |
| 71        | 0.0   | 2.1   | 3.1#  |
| 51        | 24.6  | 25.4  | 38.0# |
| 120       | 11.2  | 16.0  | 24.0# |



#23  
Nitrobenzene-d5  
Concen: 87.997 ng  
RT: 9.112 min Scan# 1025  
Delta R.T. -0.010 min  
Lab File: BG060087.D  
Acq: 19 Dec 2023 16:06

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 82    | Resp: | 338073 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 32.8  | 26.3  | 39.5   |
| 54        | 61.3  | 44.3  | 66.5   |

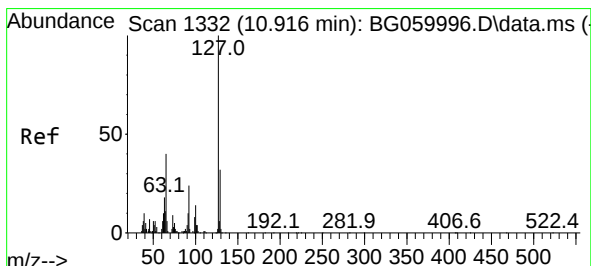
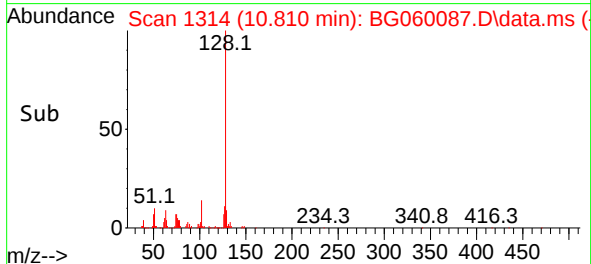
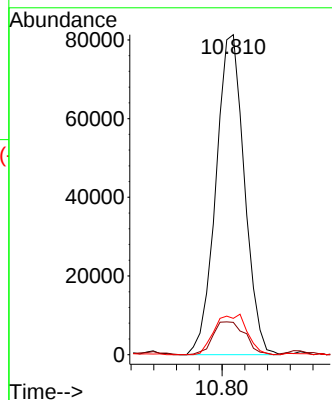
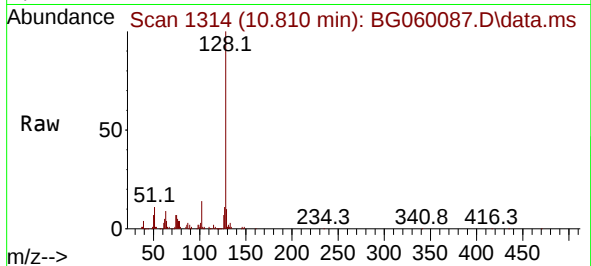




#31  
Naphthalene  
Concen: 15.552 ng  
RT: 10.810 min Scan# 1314  
Delta R.T. -0.004 min  
Lab File: BG060087.D  
Acq: 19 Dec 2023 16:06

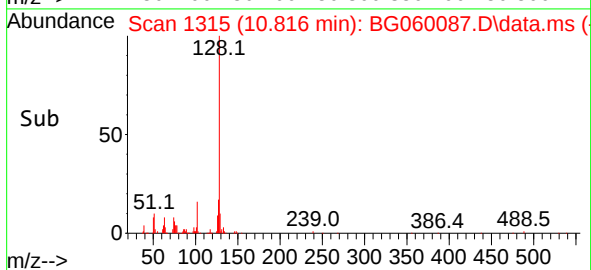
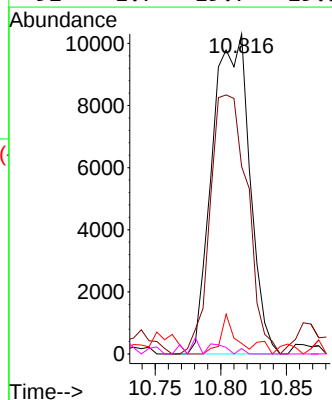
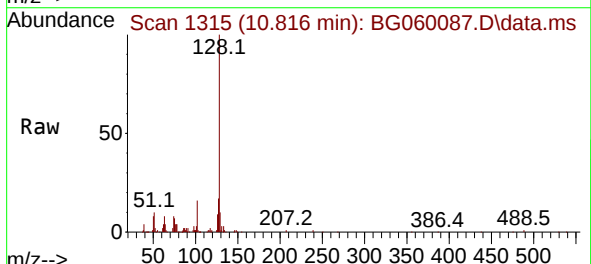
Instrument :  
BNA\_G  
ClientSampleId :  
MW-3

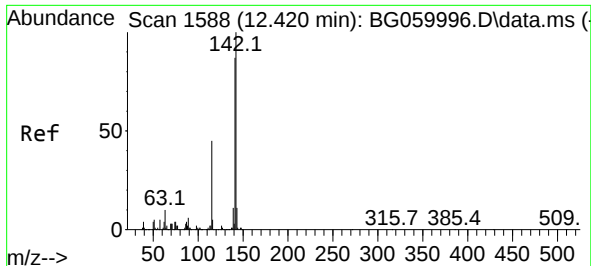
Tgt Ion:128 Resp: 141238  
Ion Ratio Lower Upper  
128 100  
129 10.1 9.2 13.8  
127 11.4 9.7 14.5



#33  
4-Chloroaniline  
Concen: 5.872 ng  
RT: 10.816 min Scan# 1315  
Delta R.T. -0.098 min  
Lab File: BG060087.D  
Acq: 19 Dec 2023 16:06

Tgt Ion:127 Resp: 20292  
Ion Ratio Lower Upper  
127 100  
129 58.5 25.7 38.5#  
65 3.3 32.3 48.5#  
92 1.7 19.7 29.5#





#37

2-Methylnaphthalene

Concen: 2.674 ng

RT: 12.637 min Scan# 1

Delta R.T. 0.213 min

Lab File: BG060087.D

Acq: 19 Dec 2023 16:06

Instrument :

BNA\_G

ClientSampleId :

MW-3

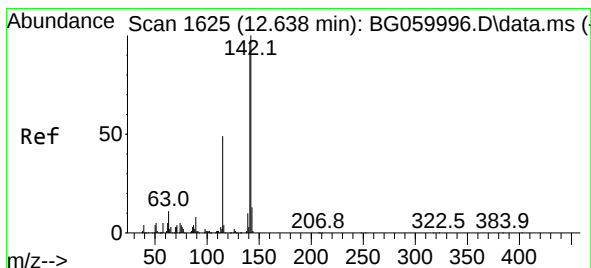
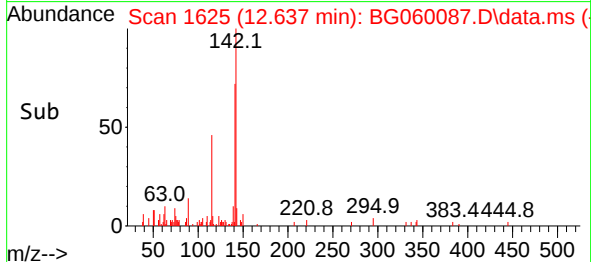
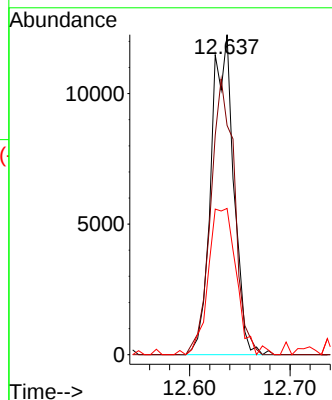
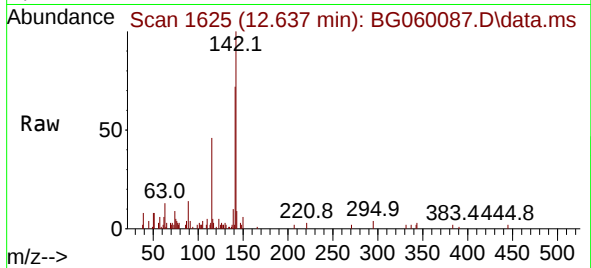
Tgt Ion:142 Resp: 19048

Ion Ratio Lower Upper

142 100

141 71.6 69.9 104.9

115 45.7 36.1 54.1



#38

1-Methylnaphthalene

Concen: 2.707 ng

RT: 12.637 min Scan# 1625

Delta R.T. -0.004 min

Lab File: BG060087.D

Acq: 19 Dec 2023 16:06

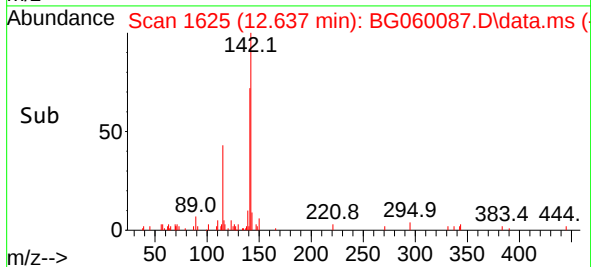
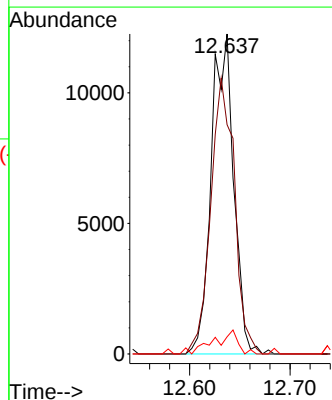
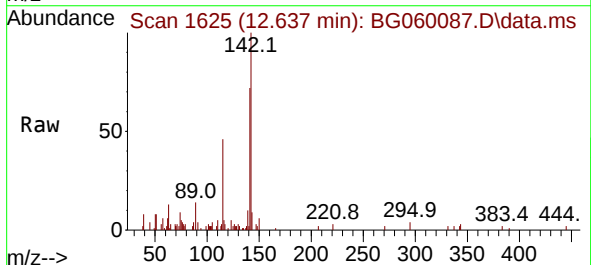
Tgt Ion:142 Resp: 19048

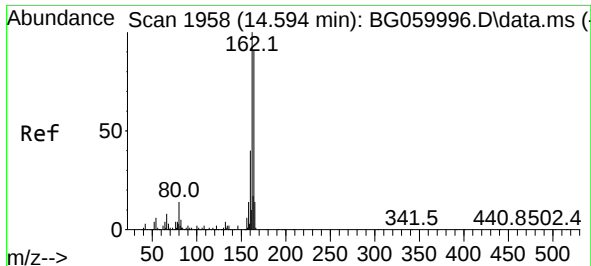
Ion Ratio Lower Upper

142 100

141 71.6 76.9 115.3#

116 5.4 3.5 5.3#

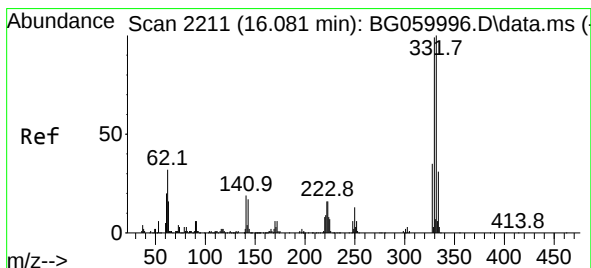
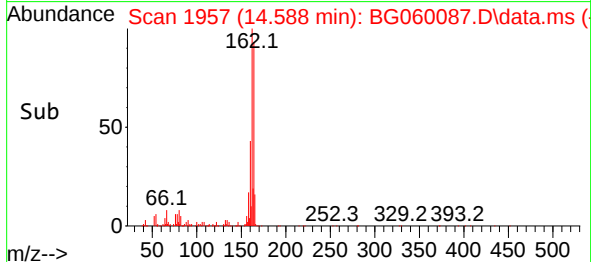
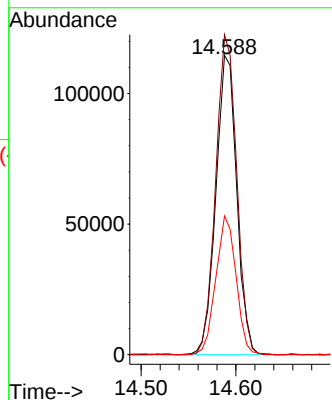
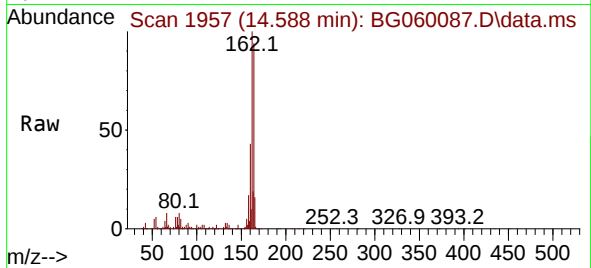




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.588 min Scan# 1957  
Delta R.T. -0.010 min  
Lab File: BG060087.D  
Acq: 19 Dec 2023 16:06

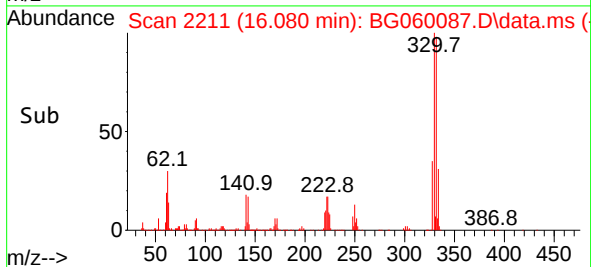
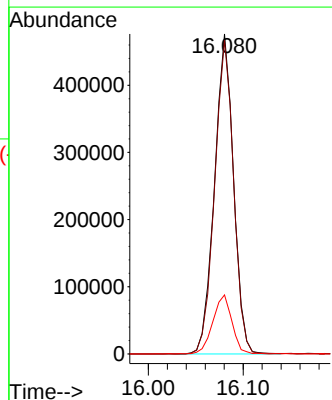
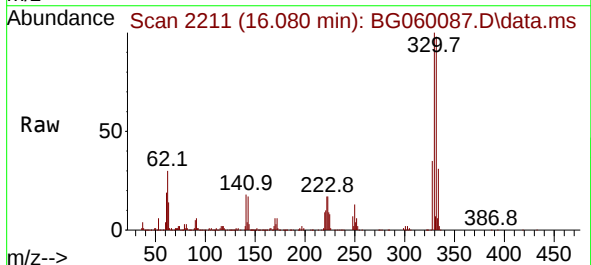
Instrument :  
BNA\_G  
ClientSampleId :  
MW-3

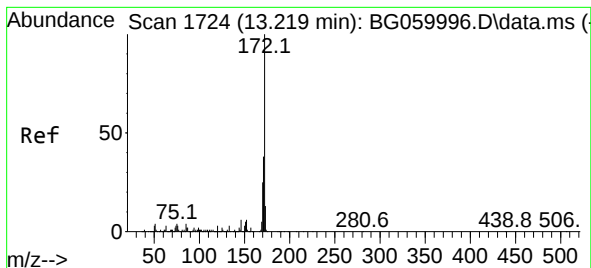
Tgt Ion:164 Resp: 175234  
Ion Ratio Lower Upper  
164 100  
162 106.8 88.1 132.1  
160 46.3 35.4 53.0



#42  
2,4,6-Tribromophenol  
Concen: 162.584 ng  
RT: 16.080 min Scan# 2211  
Delta R.T. -0.004 min  
Lab File: BG060087.D  
Acq: 19 Dec 2023 16:06

Tgt Ion:330 Resp: 663956  
Ion Ratio Lower Upper  
330 100  
332 97.7 76.2 114.4  
141 18.5 14.3 21.5

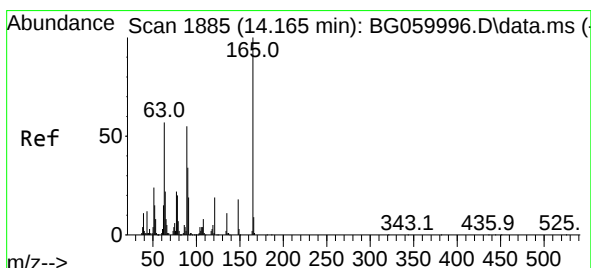
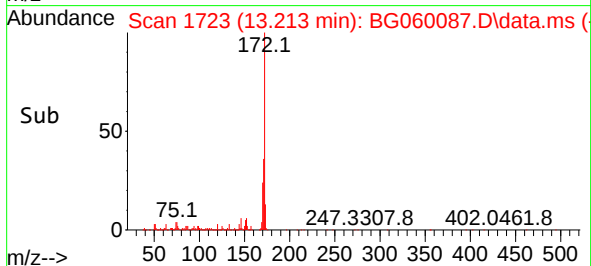
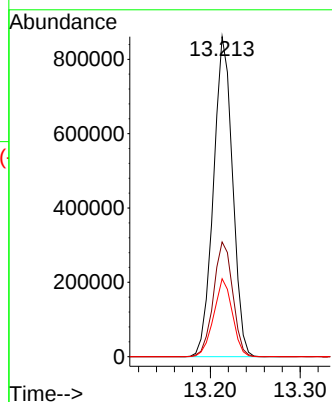
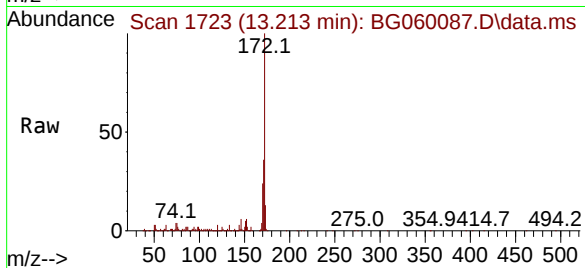




#45  
2-Fluorobiphenyl  
Concen: 88.779 ng  
RT: 13.213 min Scan# 11  
Delta R.T. -0.004 min  
Lab File: BG060087.D  
Acq: 19 Dec 2023 16:06

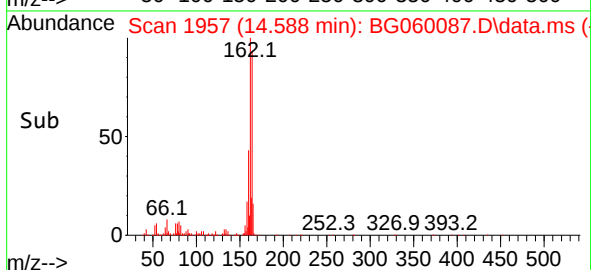
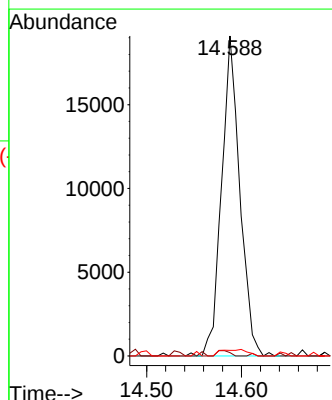
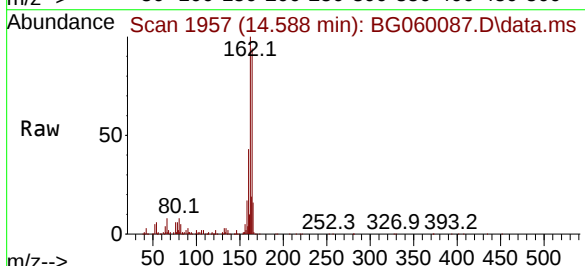
Instrument :  
BNA\_G  
ClientSampleId :  
MW-3

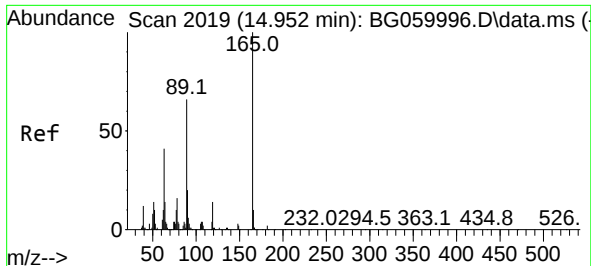
Tgt Ion:172 Resp: 1271118  
Ion Ratio Lower Upper  
172 100  
171 35.9 30.1 45.1  
170 24.4 20.0 30.0



#51  
2,6-Dinitrotoluene  
Concen: 9.086 ng  
RT: 14.588 min Scan# 1957  
Delta R.T. 0.419 min  
Lab File: BG060087.D  
Acq: 19 Dec 2023 16:06

Tgt Ion:165 Resp: 25601  
Ion Ratio Lower Upper  
165 100  
63 1.0 48.2 72.2#  
89 1.7 44.4 66.6#





#57

2,4-Dinitrotoluene

Concen: 6.464 ng

RT: 14.588 min Scan# 1957

Delta R.T. -0.363 min

Lab File: BG060087.D

Acq: 19 Dec 2023 16:06

Instrument :

BNA\_G

ClientSampleId :

MW-3

Tgt Ion:165 Resp: 25601

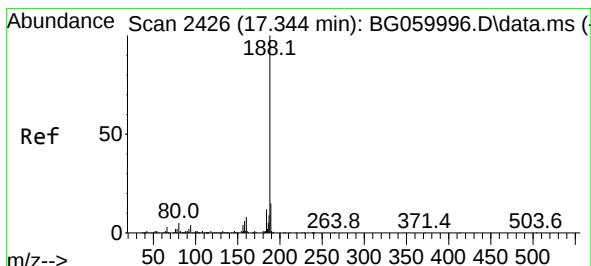
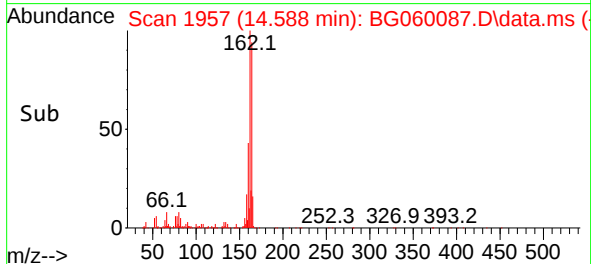
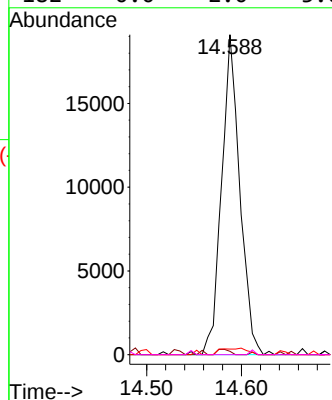
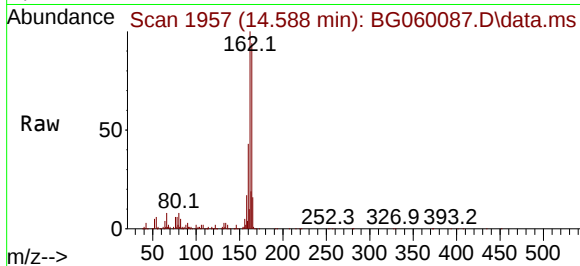
Ion Ratio Lower Upper

165 100

63 1.0 32.8 49.2#

89 1.7 53.0 79.6#

182 0.0 2.0 3.0#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.338 min Scan# 2425

Delta R.T. -0.010 min

Lab File: BG060087.D

Acq: 19 Dec 2023 16:06

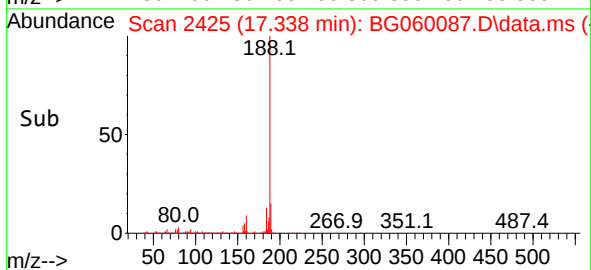
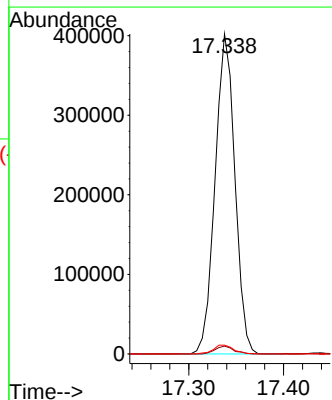
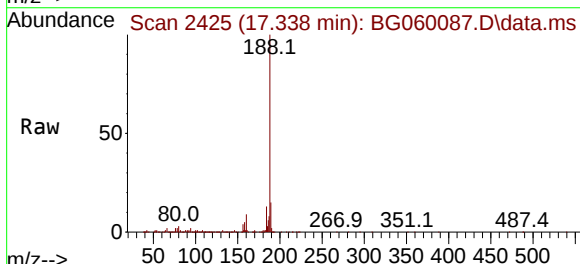
Tgt Ion:188 Resp: 583675

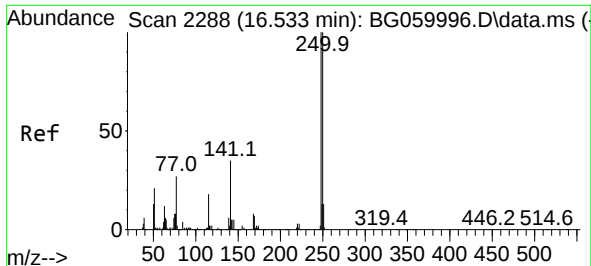
Ion Ratio Lower Upper

188 100

94 2.5 3.0 4.6#

80 2.8 4.0 6.0#

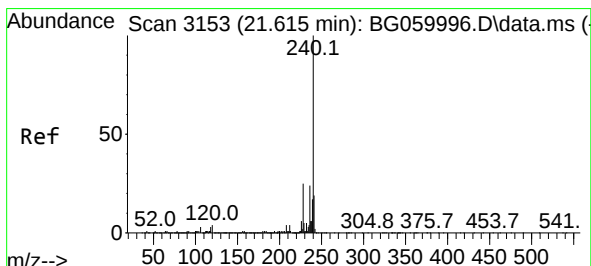
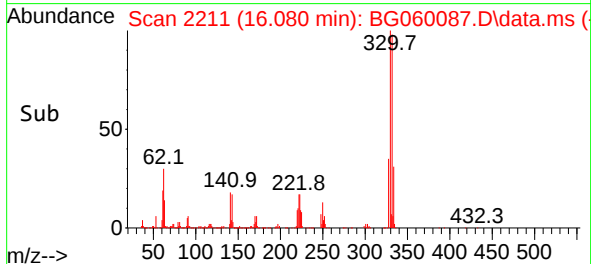
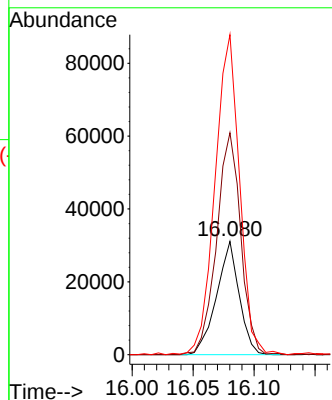
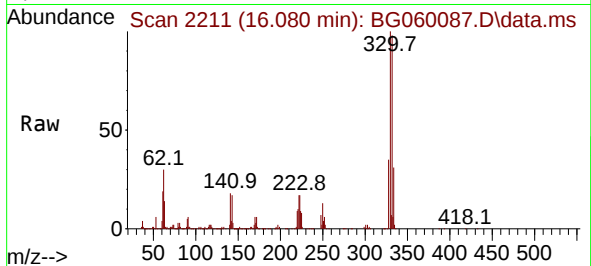




#67  
4-Bromophenyl-phenylether  
Concen: 4.893 ng  
RT: 16.080 min Scan# 21  
Delta R.T. -0.457 min  
Lab File: BG060087.D  
Acq: 19 Dec 2023 16:06

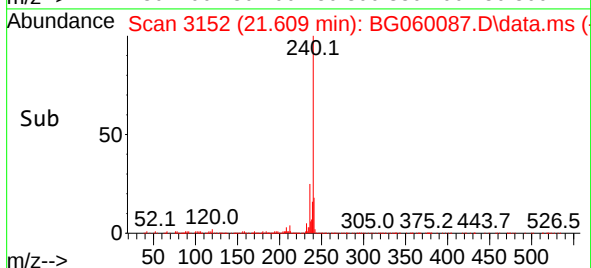
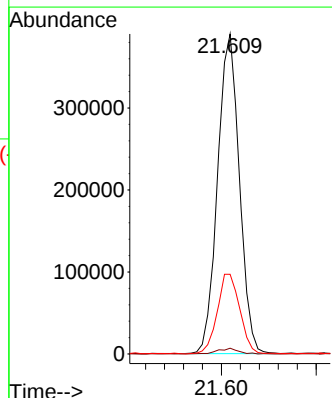
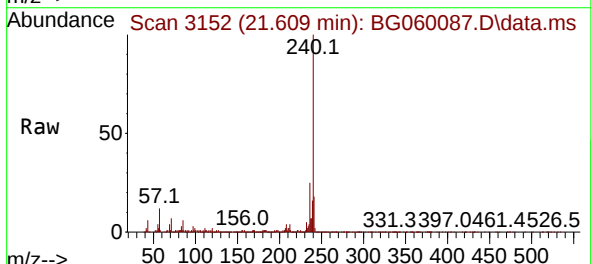
Instrument :  
BNA\_G  
ClientSampleId :  
MW-3

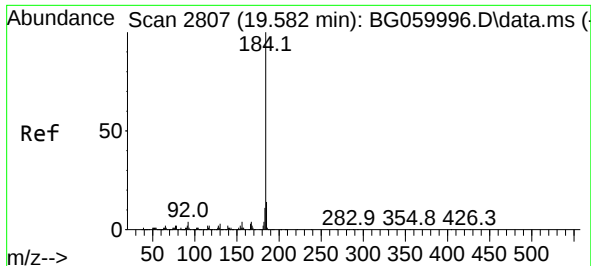
Tgt Ion:248 Resp: 40297  
Ion Ratio Lower Upper  
248 100  
250 195.8 79.9 119.9#  
141 282.3 28.3 42.5#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.609 min Scan# 3152  
Delta R.T. -0.010 min  
Lab File: BG060087.D  
Acq: 19 Dec 2023 16:06

Tgt Ion:240 Resp: 622471  
Ion Ratio Lower Upper  
240 100  
120 1.8 2.9 4.3#  
236 24.9 19.4 29.2

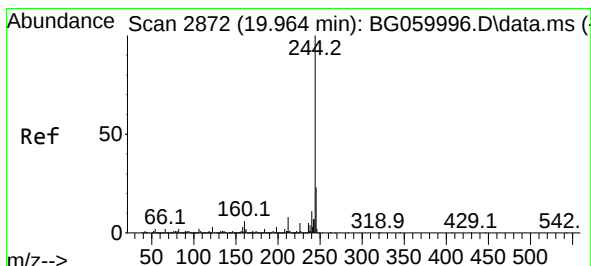
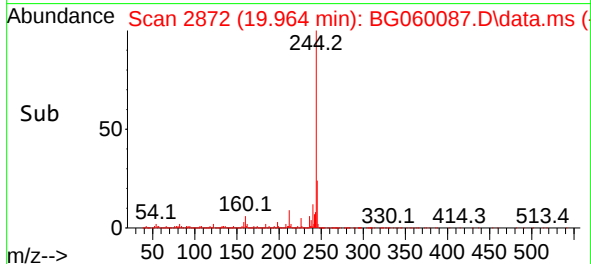
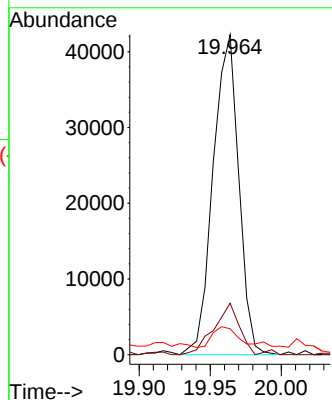
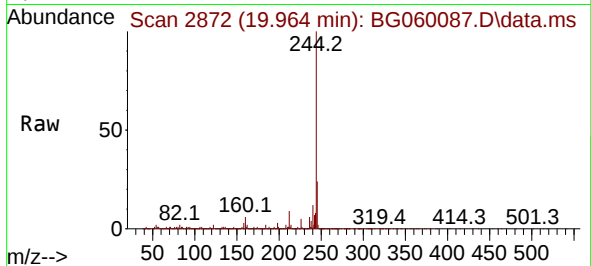




#77  
Benzidine  
Concen: 6.618 ng  
RT: 19.964 min Scan# 2872  
Delta R.T. 0.378 min  
Lab File: BG060087.D  
Acq: 19 Dec 2023 16:06

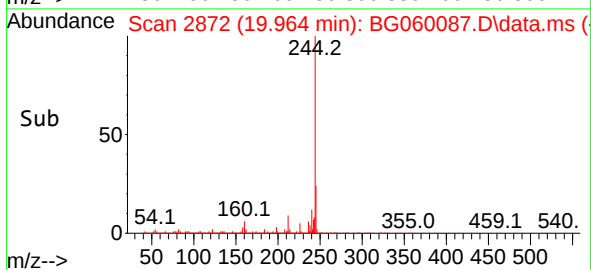
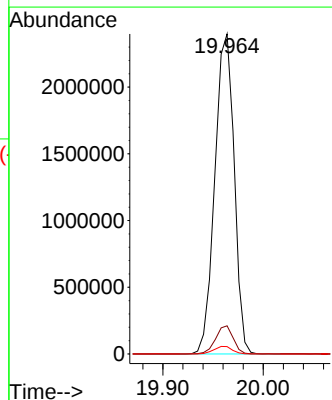
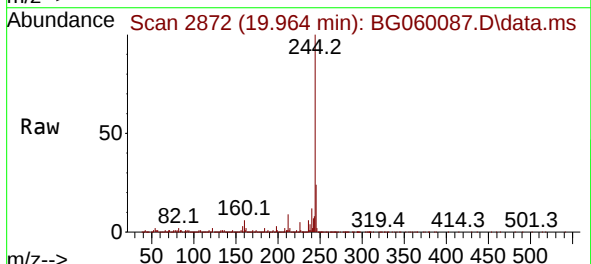
Instrument :  
BNA\_G  
ClientSampleId :  
MW-3

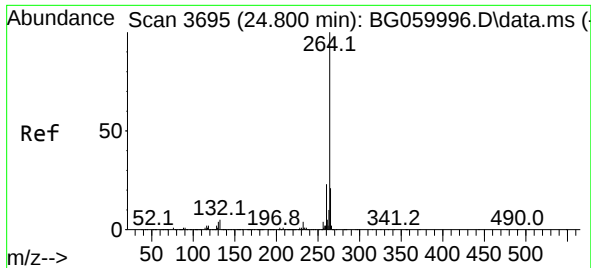
Tgt Ion:184 Resp: 52910  
Ion Ratio Lower Upper  
184 100  
185 16.1 11.1 16.7  
183 8.1 9.0 13.4#



#79  
Terphenyl-d14  
Concen: 94.107 ng  
RT: 19.964 min Scan# 2872  
Delta R.T. -0.004 min  
Lab File: BG060087.D  
Acq: 19 Dec 2023 16:06

Tgt Ion:244 Resp: 3208567  
Ion Ratio Lower Upper  
244 100  
212 8.8 6.8 10.2  
122 2.3 2.6 3.8#





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.799 min Scan# 30  
 Delta R.T. -0.016 min  
 Lab File: BG060087.D  
 Acq: 19 Dec 2023 16:06

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW-3

Tgt Ion:264 Resp: 670958  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 22.9  | 18.5  | 27.7  |
| 265 | 22.3  | 17.3  | 25.9  |

