

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG082123\  
 Data File : BG058795.D  
 Acq On : 21 Aug 2023 15:50  
 Operator : MA/JU  
 Sample : 04086-07  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

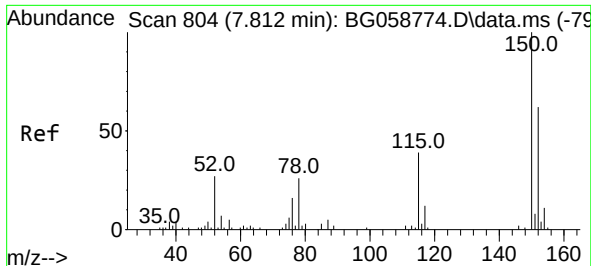
Instrument :  
 BNA\_G  
 ClientSampleId :  
 B-PP09C

Quant Time: Aug 22 01:27:34 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     | 7.819  | 152  | 25135    | 20.000  | ng     | 0.00     |
| 21) Naphthalene-d8            | 10.615 | 136  | 101108   | 20.000  | ng     | 0.00     |
| 39) Acenaphthene-d10          | 14.458 | 164  | 75163    | 20.000  | ng     | 0.00     |
| 64) Phenanthrene-d10          | 17.202 | 188  | 177480   | 20.000  | ng     | 0.00     |
| 76) Chrysene-d12              | 21.444 | 240  | 170371   | 20.000  | ng     | 0.00     |
| 86) Perylene-d12              | 24.523 | 264  | 208556   | 20.000  | ng     | 0.00     |
|                               |        |      |          |         |        |          |
| System Monitoring Compounds   |        |      |          |         |        |          |
| 5) 2-Fluorophenol             | 5.398  | 112  | 97208    | 62.237  | ng     | 0.02     |
| 7) Phenol-d6                  | 6.990  | 99   | 131818   | 60.153  | ng     | 0.00     |
| 23) Nitrobenzene-d5           | 8.988  | 82   | 90929    | 43.237  | ng     | 0.01     |
| 42) 2,4,6-Tribromophenol      | 15.950 | 330  | 49784    | 42.242  | ng     | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.077 | 172  | 215168   | 41.637  | ng     | 0.00     |
| 79) Terphenyl-d14             | 19.822 | 244  | 410818   | 43.297  | ng     | 0.00     |
|                               |        |      |          |         |        |          |
| Target Compounds              |        |      |          |         | Qvalue |          |
| 4) n-Nitrosodimethylamine     | 3.588  | 42   | 6908     | 6.548   | ng     | # 4      |
| 6) Aniline                    | 7.213  | 93   | 9586     | 3.578   | ng     | # 1      |
| 9) Benzaldehyde               | 6.973  | 77   | 247236   | 201.136 | ng     | # 1      |
| 11) bis(2-Chloroethyl)ether   | 7.213  | 93   | 9586     | 5.814   | ng     | # 1      |
| 15) Benzyl Alcohol            | 7.936  | 79   | 165339   | 105.528 | ng     | # 7      |
| 17) 2-Methylphenol            | 8.271  | 107  | 4323     | 2.785   | ng     | # 87     |
| 18) Hexachloroethane          | 8.929  | 117  | 219322   | 354.863 | ng     | # 1      |
| 19) n-Nitroso-di-n-propyla... | 8.571  | 70   | 10197    | 7.199   | ng     | # 42     |
| 20) 3+4-Methylphenols         | 8.594  | 107  | 9760     | 4.678   | ng     | # 13     |
| 22) Acetophenone              | 8.618  | 105  | 670635   | 245.030 | ng     | # 54     |
| 24) Nitrobenzene              | 9.006  | 77   | 27195    | 13.002  | ng     | # 5      |
| 28) bis(2-Chloroethoxy)met... | 10.022 | 93   | 6784     | 3.062   | ng     | # 75     |
| 31) Naphthalene               | 10.674 | 128  | 1303303  | 245.499 | ng     | # 97     |
| 32) Benzoic acid              | 10.028 | 122  | 251      | 5.975   | ng     | # 1      |
| 33) 4-Chloroaniline           | 10.727 | 127  | 6247     | 2.790   | ng     | # 1      |
| 37) 2-Methylnaphthalene       | 12.290 | 142  | 1067067  | 279.855 | ng     | # 97     |
| 38) 1-Methylnaphthalene       | 12.501 | 142  | 548023   | 151.412 | ng     | # 98     |
| 46) 1,1'-Biphenyl             | 13.289 | 154  | 20283    | 3.917   | ng     | # 94     |
| 54) 2,4-Dinitrophenol         | 15.004 | 184  | 69       | 6.977   | ng     | # 16     |
| 56) 4-Nitrophenol             | 14.669 | 139  | 2816     | 7.575   | ng     | # 16     |
| -----                         |        |      |          |         |        |          |

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

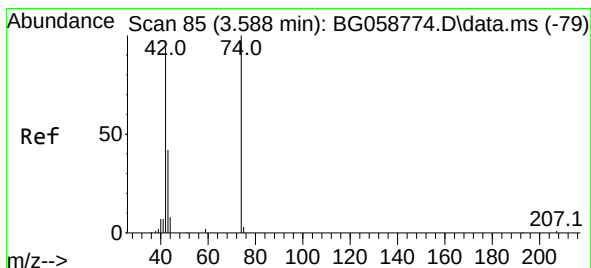
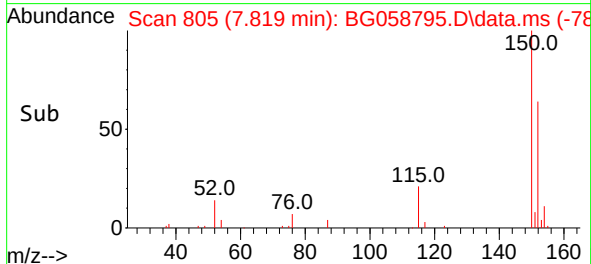
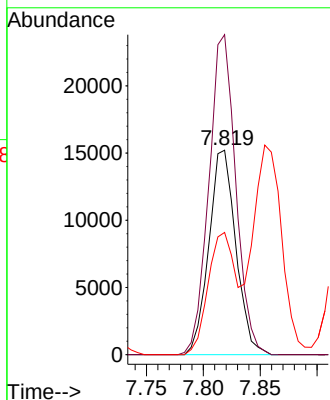
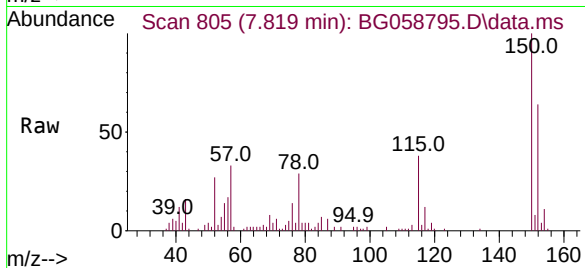




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.819 min Scan# 80  
Delta R.T. 0.007 min  
Lab File: BG058795.D  
Acq: 21 Aug 2023 15:50

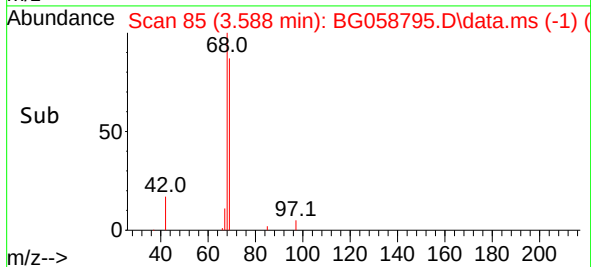
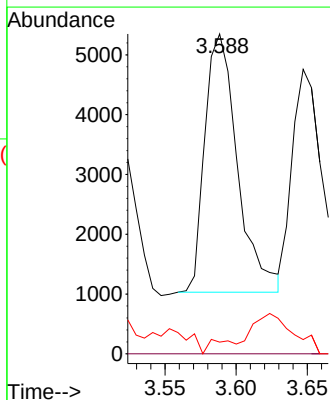
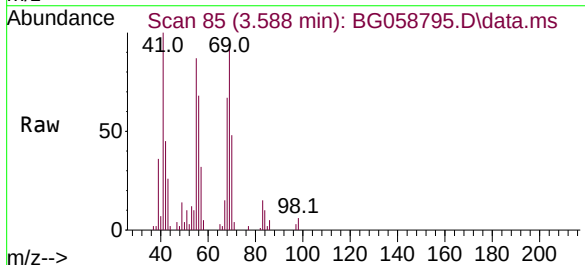
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BNA\_G  
ClientSampleId :  
B-PP09C

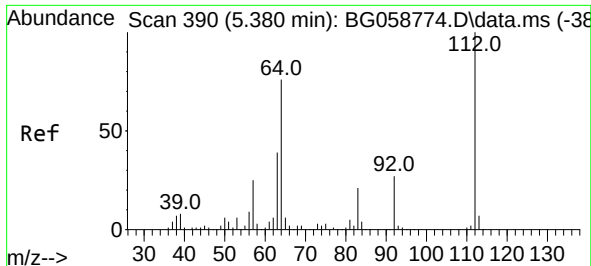
Tgt Ion:152 Resp: 25135  
Ion Ratio Lower Upper  
152 100  
150 156.6 128.6 192.8  
115 59.8 50.4 75.6



#4  
n-Nitrosodimethylamine  
Concen: 6.548 ng  
RT: 3.588 min Scan# 85  
Delta R.T. 0.000 min  
Lab File: BG058795.D  
Acq: 21 Aug 2023 15:50

Tgt Ion: 42 Resp: 6908  
Ion Ratio Lower Upper  
42 100  
74 0.0 85.1 127.7#  
44 3.7 6.9 10.3#

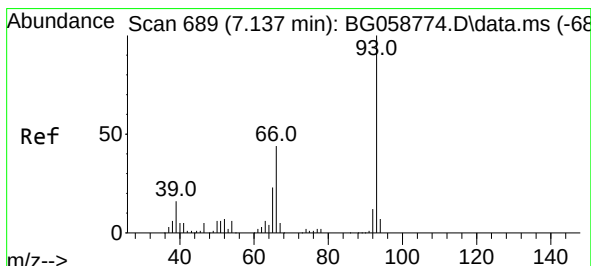
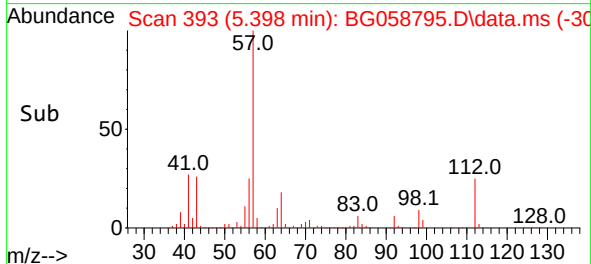
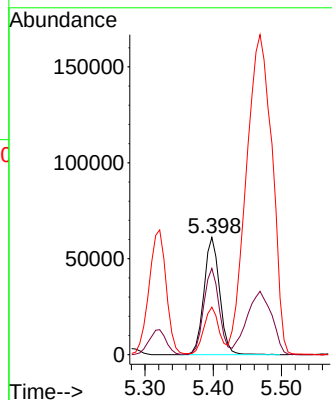
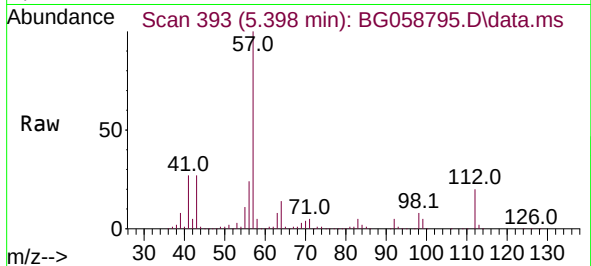




#5  
2-Fluorophenol  
Concen: 62.237 ng  
RT: 5.398 min Scan# 39  
Delta R.T. 0.018 min  
Lab File: BG058795.D  
Acq: 21 Aug 2023 15:50

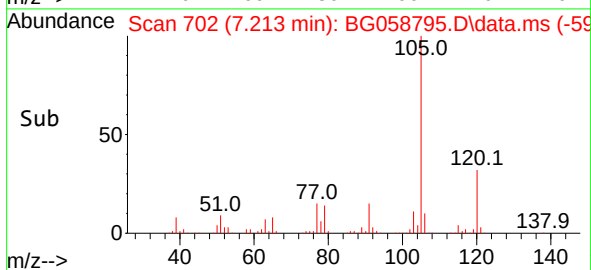
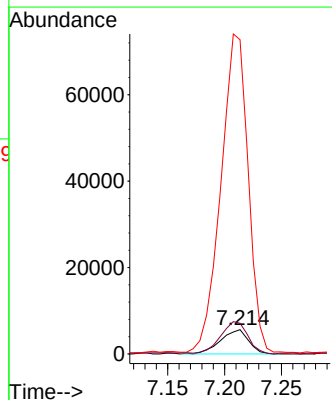
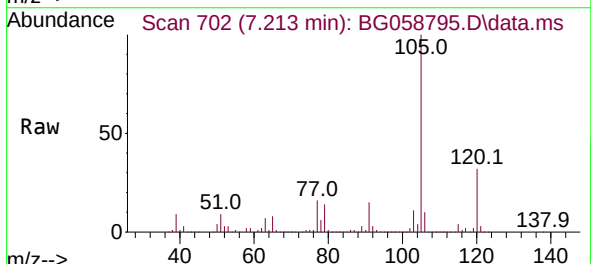
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BNA\_G  
ClientSampleId :  
B-PP09C

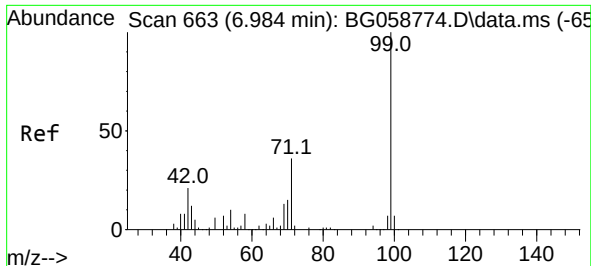
Tgt Ion:112 Resp: 97208  
Ion Ratio Lower Upper  
112 100  
64 73.5 60.6 90.8  
63 40.5 31.0 46.4



#6  
Aniline  
Concen: 3.578 ng  
RT: 7.213 min Scan# 702  
Delta R.T. 0.077 min  
Lab File: BG058795.D  
Acq: 21 Aug 2023 15:50

Tgt Ion: 93 Resp: 9586  
Ion Ratio Lower Upper  
93 100  
66 125.9 35.7 53.5#  
65 1291.7 18.2 27.2#

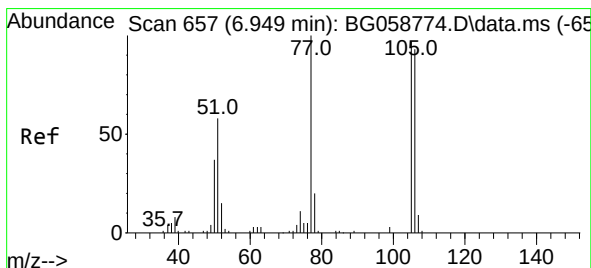
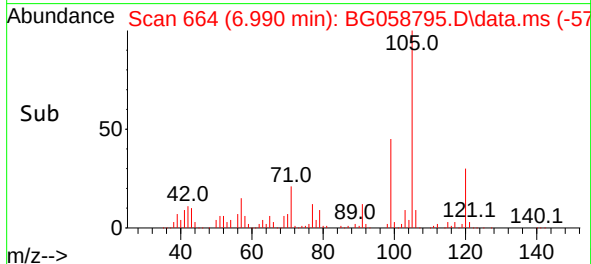
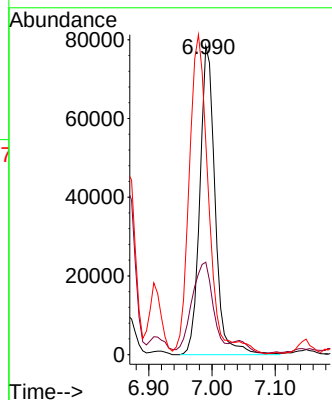
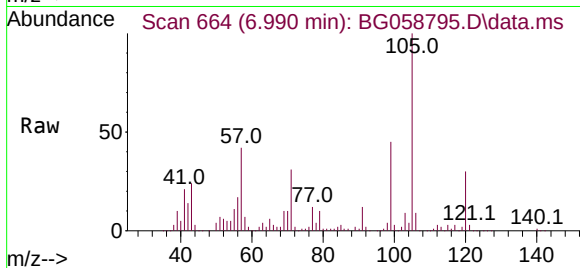




#7  
Phenol-d6  
Concen: 60.153 ng  
RT: 6.990 min Scan# 60  
Delta R.T. 0.006 min  
Lab File: BG058795.D  
Acq: 21 Aug 2023 15:50

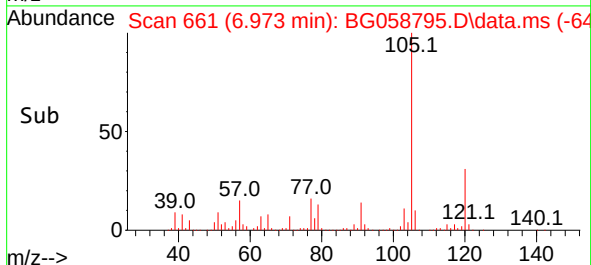
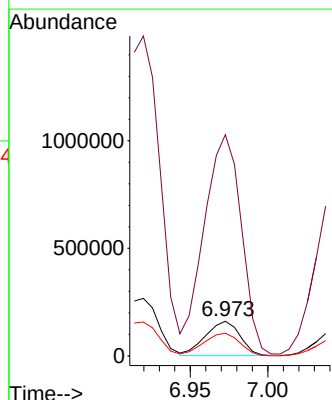
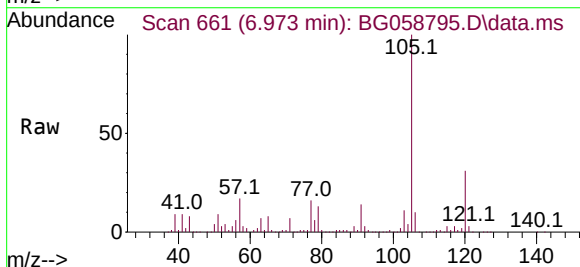
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BNA\_G  
ClientSampleId :  
B-PP09C

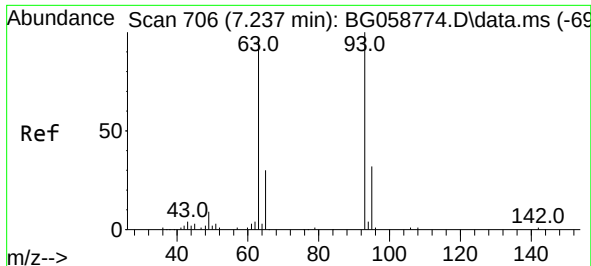
Tgt Ion: 99 Resp: 131818  
Ion Ratio Lower Upper  
99 100  
42 29.9 16.5 24.7#  
71 68.8 28.4 42.6#



#9  
Benzaldehyde  
Concen: 201.136 ng  
RT: 6.973 min Scan# 661  
Delta R.T. 0.024 min  
Lab File: BG058795.D  
Acq: 21 Aug 2023 15:50

Tgt Ion: 77 Resp: 247236  
Ion Ratio Lower Upper  
77 100  
105 638.2 76.7 116.7#  
106 65.5 73.4 113.4#

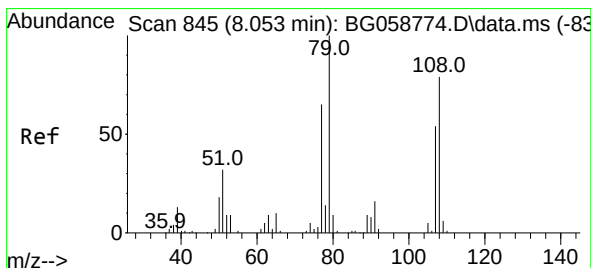
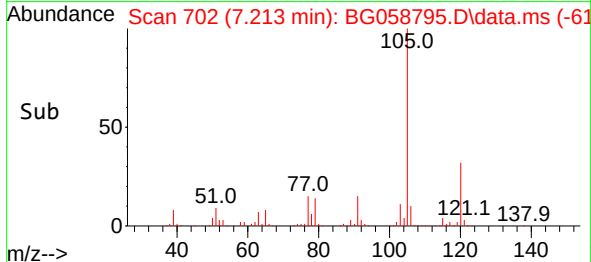
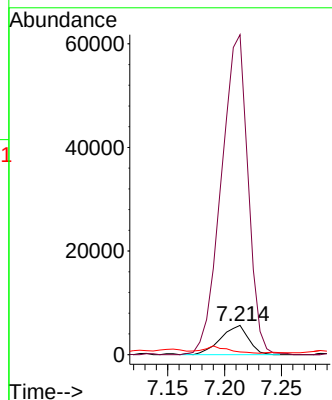
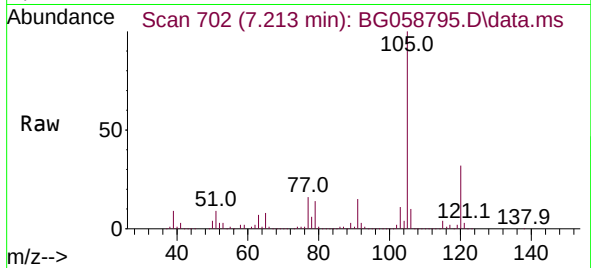




#11  
bis(2-Chloroethyl)ether  
Concen: 5.814 ng  
RT: 7.213 min Scan# 706  
Delta R.T. -0.023 min  
Lab File: BG058795.D  
Acq: 21 Aug 2023 15:50

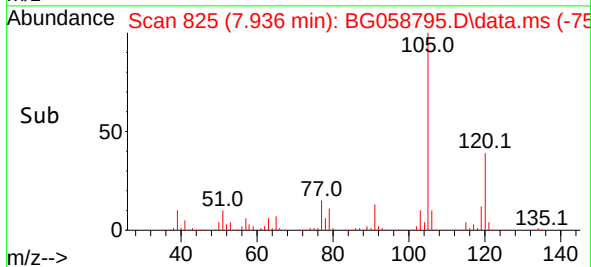
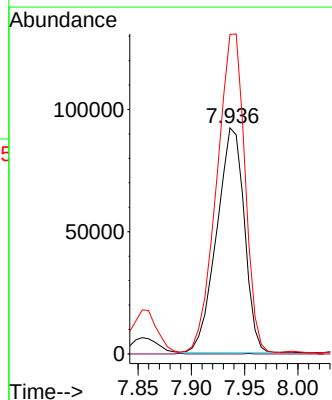
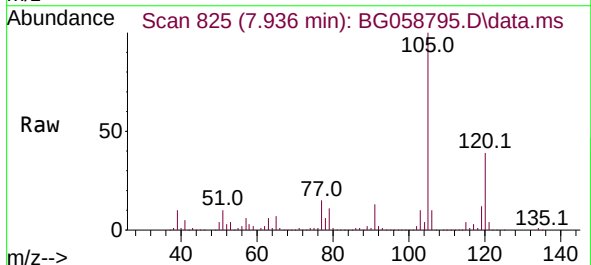
Instrument :  
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ClientSampleId :  
B-PP09C

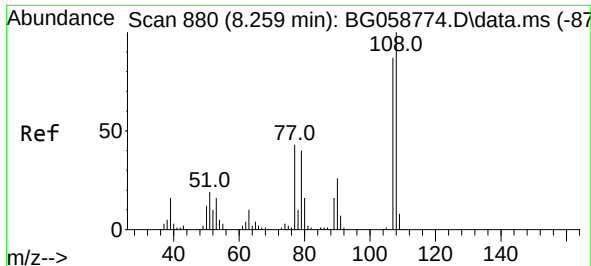
Tgt Ion: 93 Resp: 9586  
Ion Ratio Lower Upper  
93 100  
63 1097.2 74.8 114.8#  
95 9.1 12.1 52.1#



#15  
Benzyl Alcohol  
Concen: 105.528 ng  
RT: 7.936 min Scan# 825  
Delta R.T. -0.117 min  
Lab File: BG058795.D  
Acq: 21 Aug 2023 15:50

Tgt Ion: 79 Resp: 165339  
Ion Ratio Lower Upper  
79 100  
108 0.0 63.4 95.0#  
77 141.3 52.2 78.2#

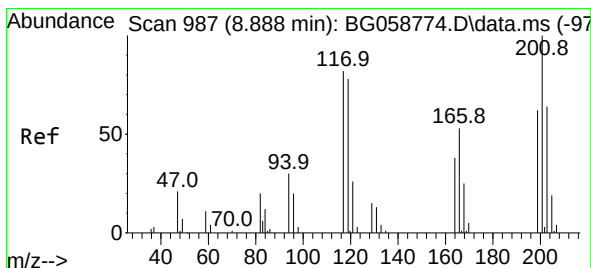
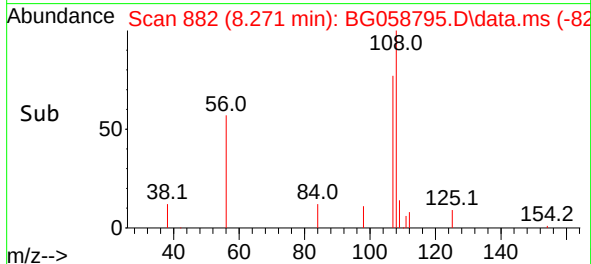
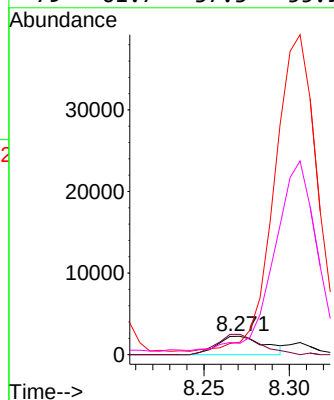
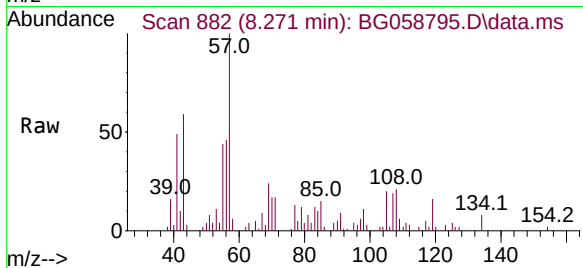




#17  
2-Methylphenol  
Concen: 2.785 ng  
RT: 8.271 min Scan# 880  
Delta R.T. 0.012 min  
Lab File: BG058795.D  
Acq: 21 Aug 2023 15:50

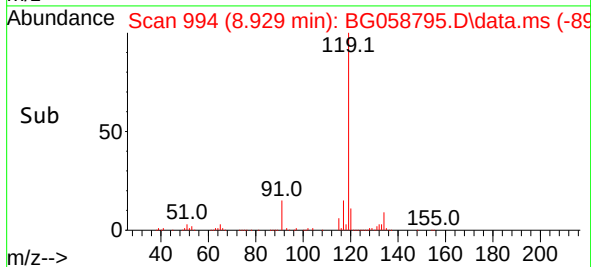
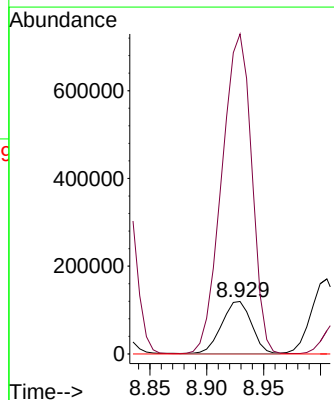
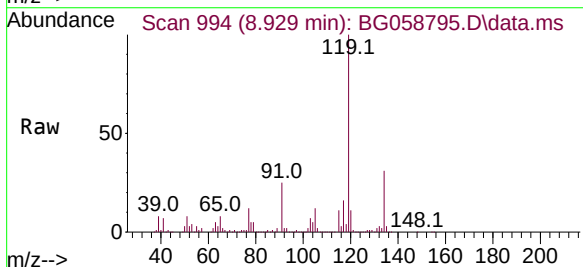
Instrument :  
BNA\_G  
ClientSampleId :  
B-PP09C

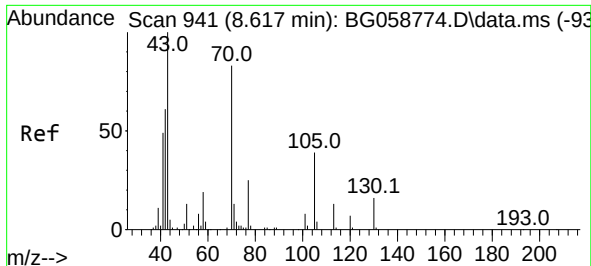
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|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 4323  |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 108      | 110.2 | 92.2  | 138.2 |
| 77       | 67.4  | 40.0  | 60.0# |
| 79       | 61.7  | 37.3  | 55.9# |



#18  
Hexachloroethane  
Concen: 354.863 ng  
RT: 8.929 min Scan# 994  
Delta R.T. 0.042 min  
Lab File: BG058795.D  
Acq: 21 Aug 2023 15:50

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 219322 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 610.1 | 76.6  | 115.0# |
| 201      | 0.0   | 97.0  | 145.6# |





#19

n-Nitroso-di-n-propylamine

Concen: 7.199 ng

RT: 8.571 min Scan# 933

Delta R.T. -0.047 min

Lab File: BG058795.D

Acq: 21 Aug 2023 15:50

Instrument :

BNA\_G

ClientSampleId :

B-PP09C

Tgt Ion: 70 Resp: 10197

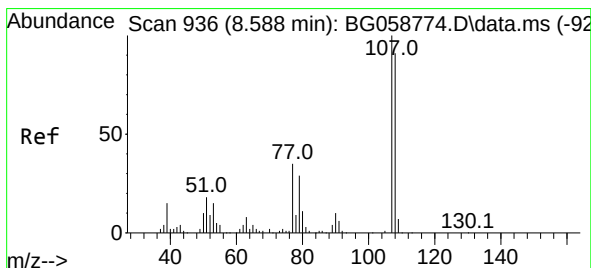
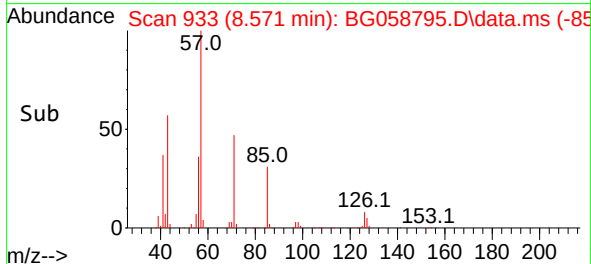
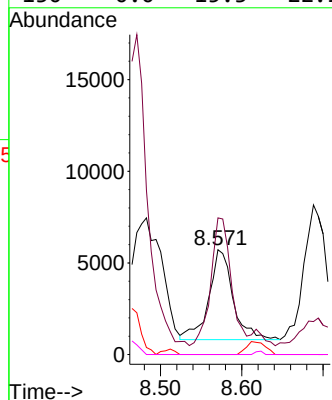
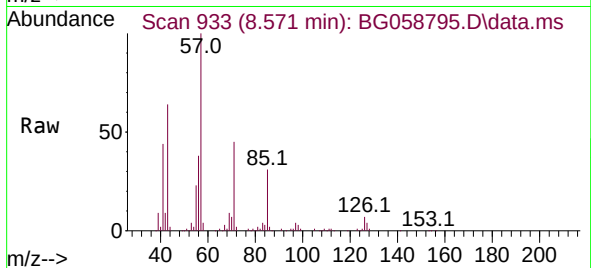
Ion Ratio Lower Upper

70 100

42 130.4 59.2 88.8#

101 0.0 8.2 12.2#

130 0.0 15.3 22.9#



#20

3+4-Methylphenols

Concen: 4.678 ng

RT: 8.594 min Scan# 937

Delta R.T. 0.006 min

Lab File: BG058795.D

Acq: 21 Aug 2023 15:50

Tgt Ion: 107 Resp: 9760

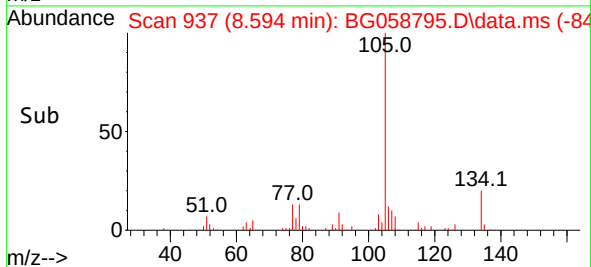
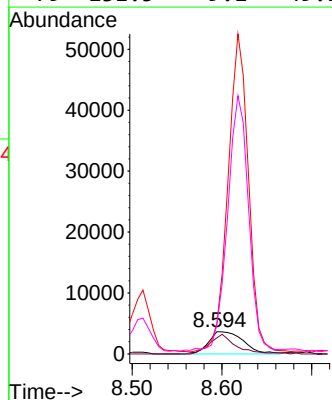
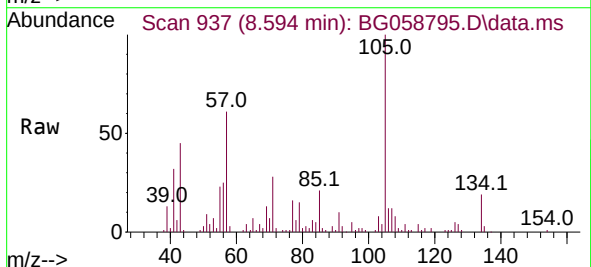
Ion Ratio Lower Upper

107 100

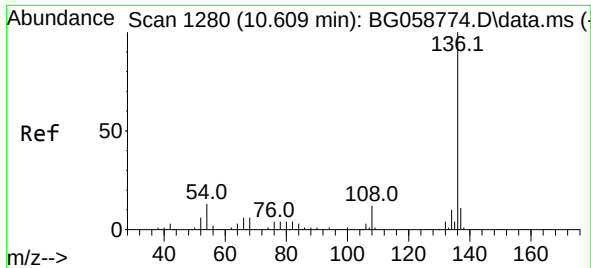
108 71.7 70.6 110.6

77 134.8 14.8 54.8#

79 131.5 9.1 49.1#



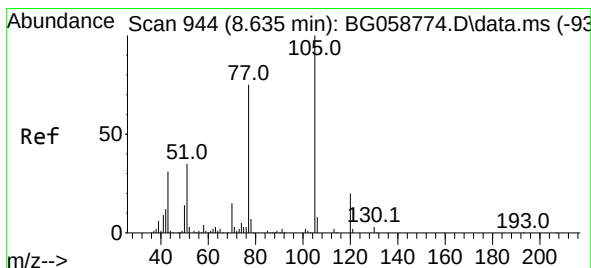
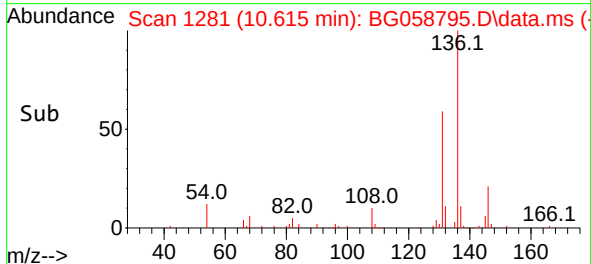
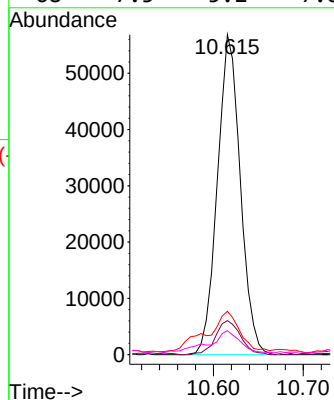
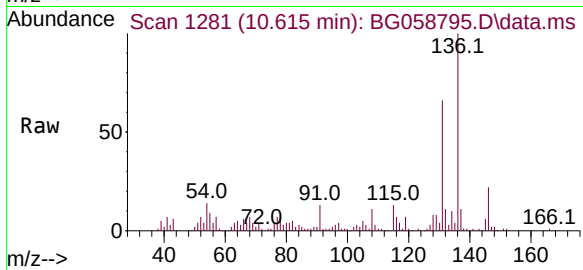




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.615 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BG058795.D  
Acq: 21 Aug 2023 15:50

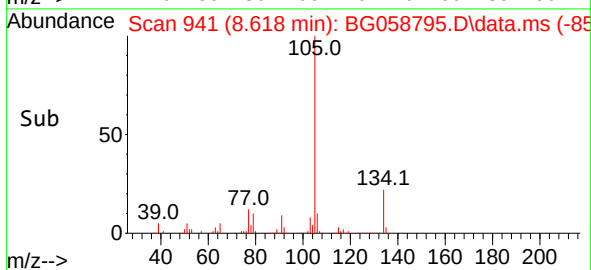
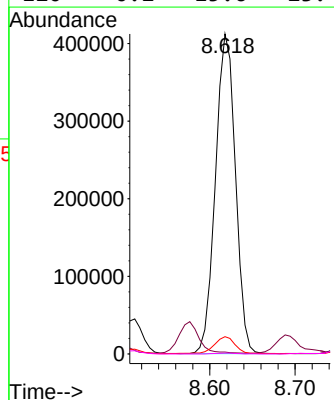
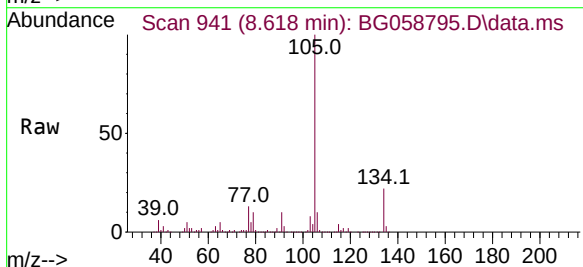
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BNA\_G  
ClientSampleId :  
B-PP09C

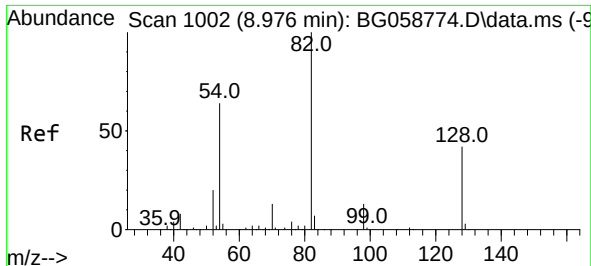
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 101108 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 10.6  | 8.7   | 13.1   |
| 54        | 13.5  | 10.1  | 15.1   |
| 68        | 7.5   | 5.2   | 7.8    |



#22  
Acetophenone  
Concen: 245.030 ng  
RT: 8.618 min Scan# 941  
Delta R.T. -0.017 min  
Lab File: BG058795.D  
Acq: 21 Aug 2023 15:50

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 670635 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 71        | 0.6   | 2.2   | 3.2#   |
| 51        | 5.4   | 28.5  | 42.7#  |
| 120       | 0.2   | 15.6  | 23.4#  |





#23

Nitrobenzene-d5

Concen: 43.237 ng

RT: 8.988 min Scan# 1004

Delta R.T. 0.012 min

Lab File: BG058795.D

Acq: 21 Aug 2023 15:50

Instrument :

BNA\_G

ClientSampleId :

B-PP09C

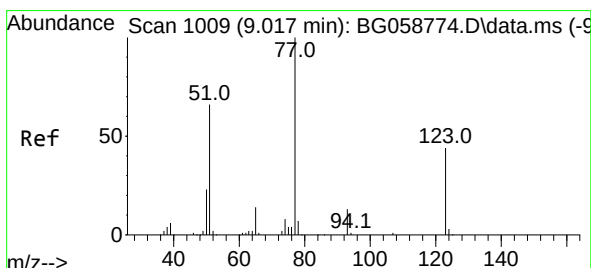
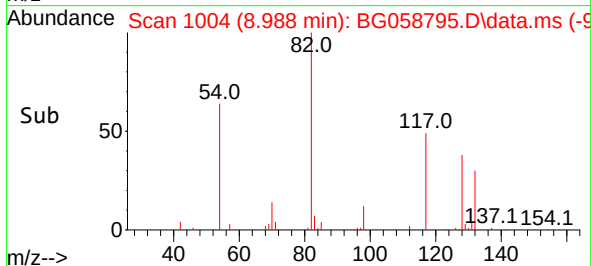
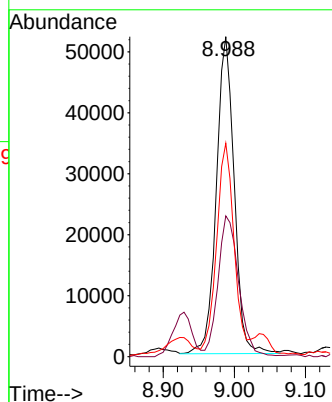
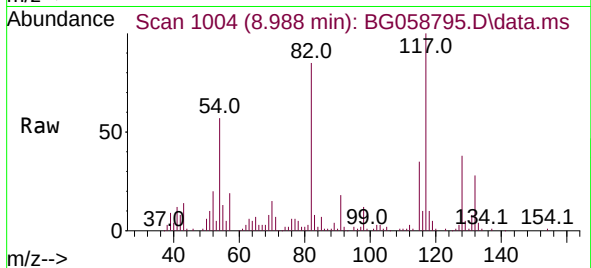
Tgt Ion: 82 Resp: 90929

Ion Ratio Lower Upper

82 100

128 44.0 33.2 49.8

54 66.7 51.2 76.8



#24

Nitrobenzene

Concen: 13.002 ng

RT: 9.006 min Scan# 1007

Delta R.T. -0.011 min

Lab File: BG058795.D

Acq: 21 Aug 2023 15:50

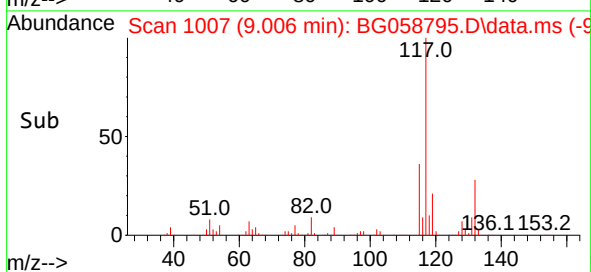
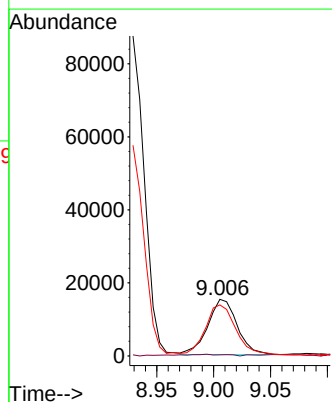
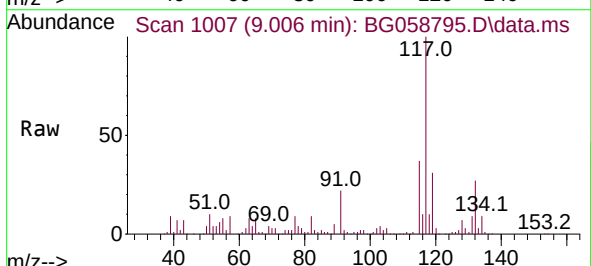
Tgt Ion: 77 Resp: 27195

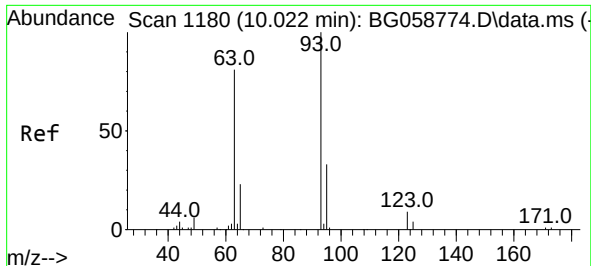
Ion Ratio Lower Upper

77 100

123 1.8 34.9 52.3#

65 90.2 10.9 16.3#

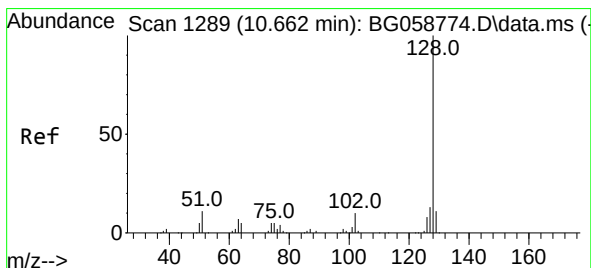
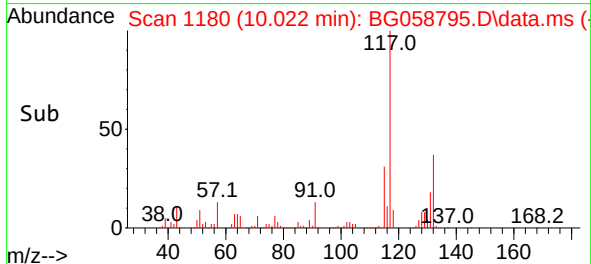
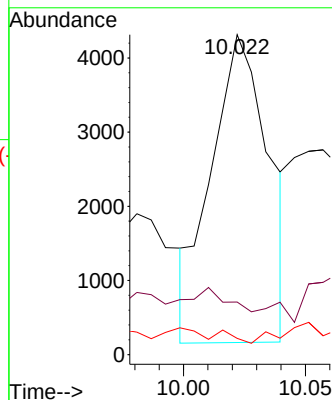
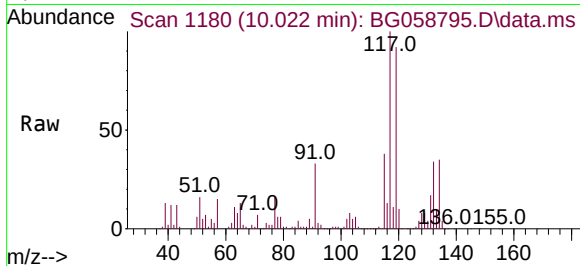




#28  
bis(2-Chloroethoxy)methane  
Concen: 3.062 ng  
RT: 10.022 min Scan# 1180  
Delta R.T. 0.000 min  
Lab File: BG058795.D  
Acq: 21 Aug 2023 15:50

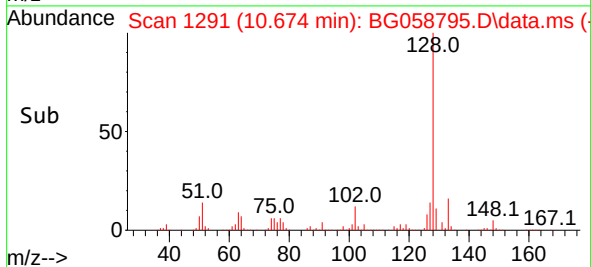
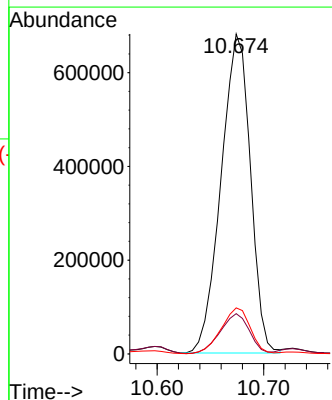
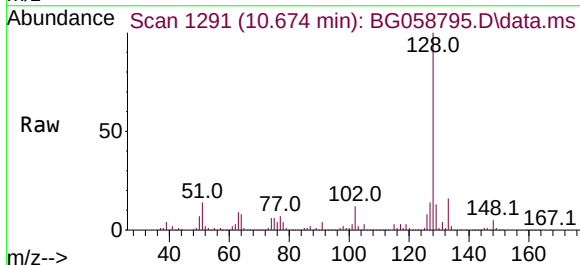
Instrument :  
BNA\_G  
ClientSampleId :  
B-PP09C

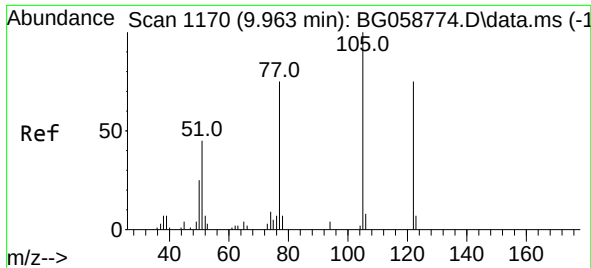
Tgt Ion: 93 Resp: 6784  
Ion Ratio Lower Upper  
93 100  
95 16.5 26.2 39.4#  
123 5.1 8.1 12.1#



#31  
Naphthalene  
Concen: 245.499 ng  
RT: 10.674 min Scan# 1291  
Delta R.T. 0.012 min  
Lab File: BG058795.D  
Acq: 21 Aug 2023 15:50

Tgt Ion:128 Resp: 1303303  
Ion Ratio Lower Upper  
128 100  
129 12.6 8.9 13.3  
127 14.4 10.6 15.8

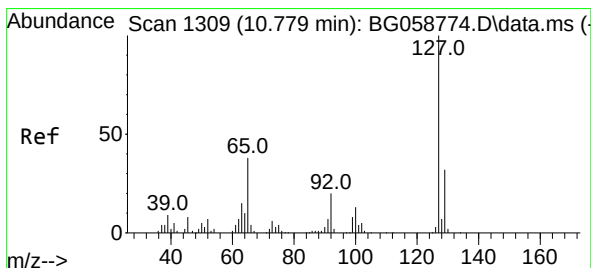
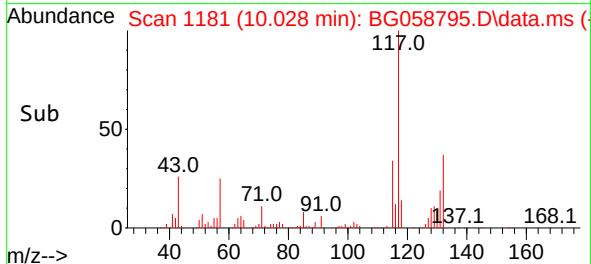
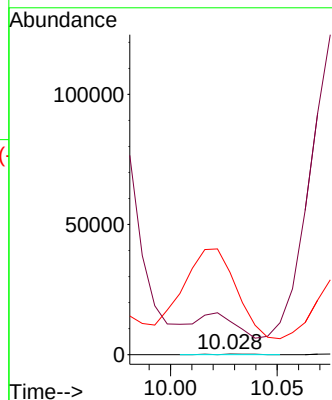
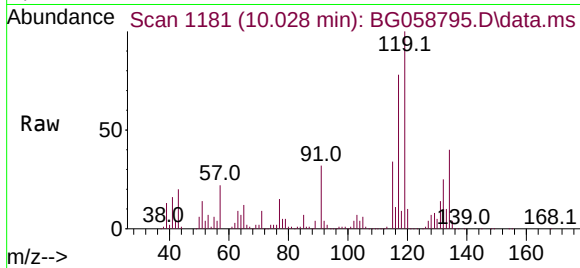




#32  
Benzoic acid  
Concen: 5.975 ng  
RT: 10.028 min Scan# 1170  
Delta R.T. 0.065 min  
Lab File: BG058795.D  
Acq: 21 Aug 2023 15:50

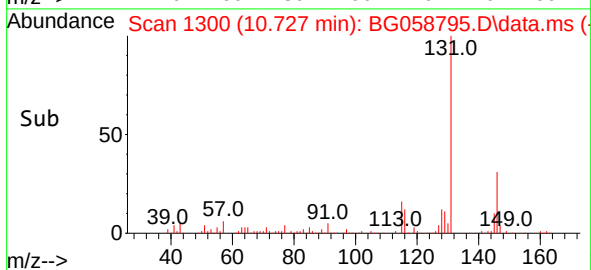
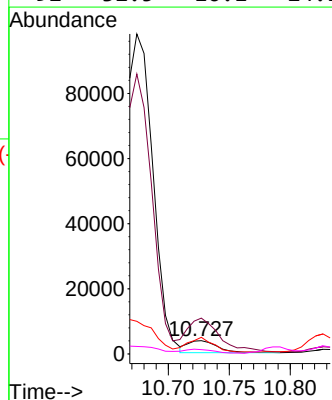
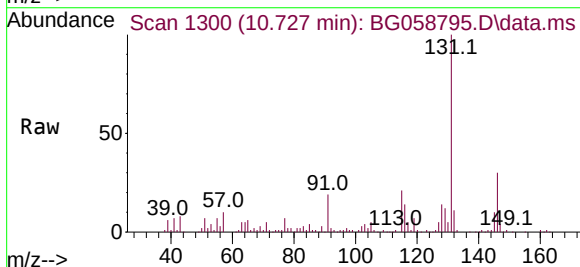
Instrument :  
BNA\_G  
ClientSampleId :  
B-PP09C

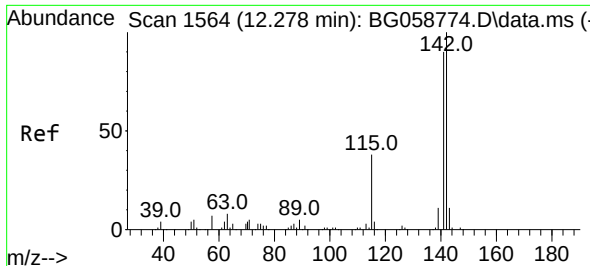
Tgt Ion:122 Resp: 251  
Ion Ratio Lower Upper  
122 100  
105 5893.1 113.6 153.6#  
77 14502.8 79.7 119.7#



#33  
4-Chloroaniline  
Concen: 2.790 ng  
RT: 10.727 min Scan# 1300  
Delta R.T. -0.052 min  
Lab File: BG058795.D  
Acq: 21 Aug 2023 15:50

Tgt Ion:127 Resp: 6247  
Ion Ratio Lower Upper  
127 100  
129 270.1 25.2 37.8#  
65 125.8 30.5 45.7#  
92 32.5 16.1 24.1#

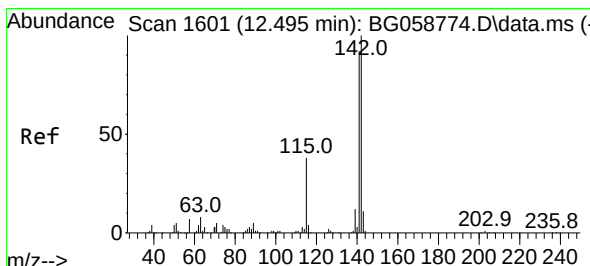
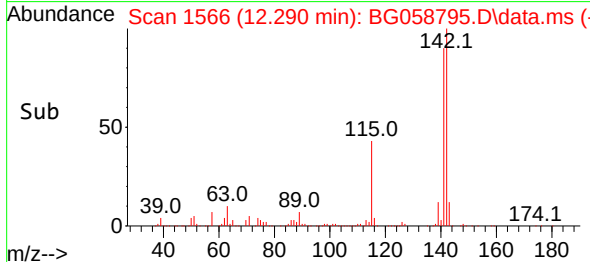
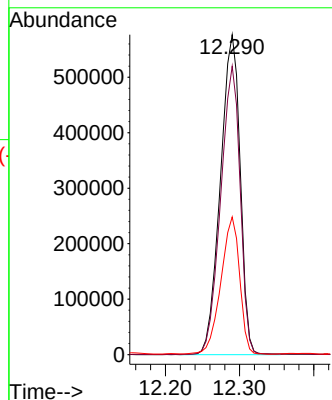
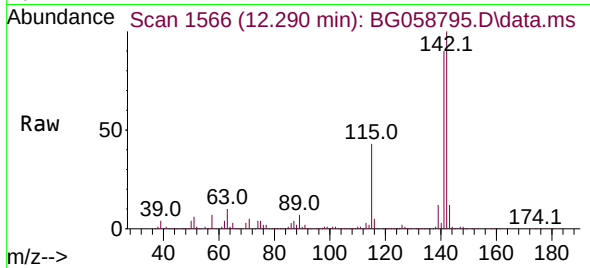




#37  
2-Methylnaphthalene  
Concen: 279.855 ng  
RT: 12.290 min Scan# 1566  
Delta R.T. 0.012 min  
Lab File: BG058795.D  
Acq: 21 Aug 2023 15:50

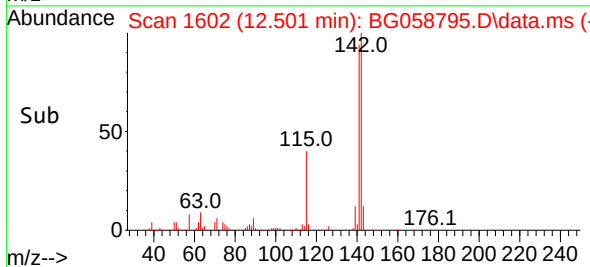
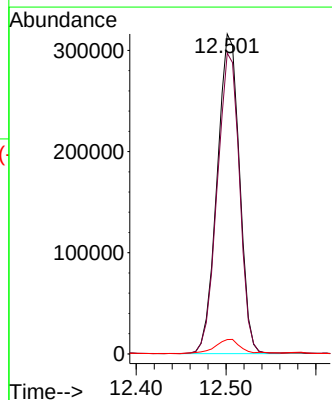
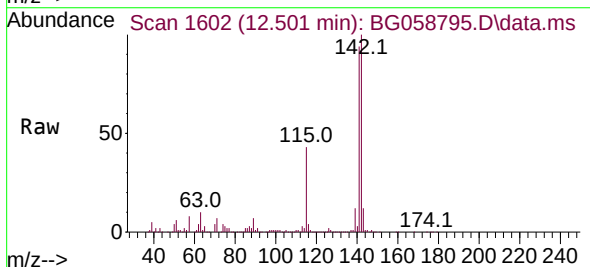
Instrument :  
BNA\_G  
ClientSampleId :  
B-PP09C

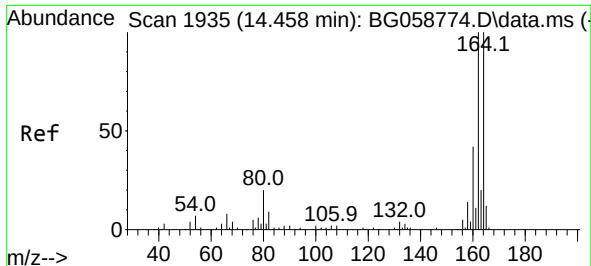
Tgt Ion:142 Resp: 1067067  
Ion Ratio Lower Upper  
142 100  
141 90.1 71.8 107.8  
115 43.0 30.6 45.8



#38  
1-Methylnaphthalene  
Concen: 151.412 ng  
RT: 12.501 min Scan# 1602  
Delta R.T. 0.006 min  
Lab File: BG058795.D  
Acq: 21 Aug 2023 15:50

Tgt Ion:142 Resp: 548023  
Ion Ratio Lower Upper  
142 100  
141 94.0 73.9 110.9  
116 4.5 3.2 4.8

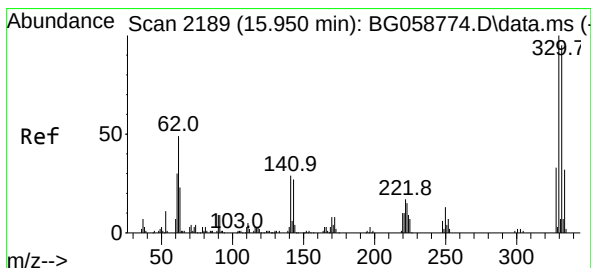
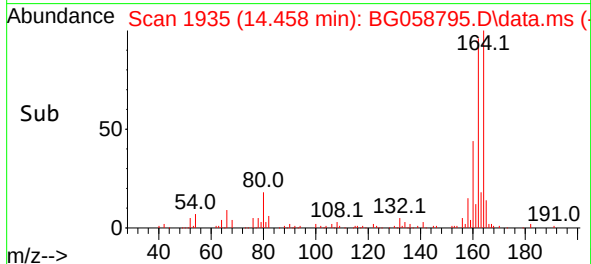
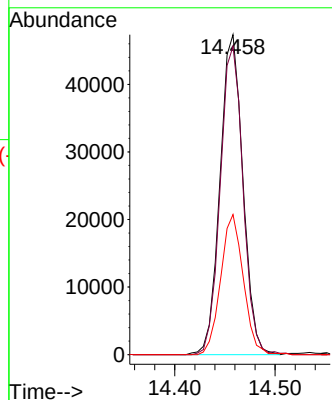
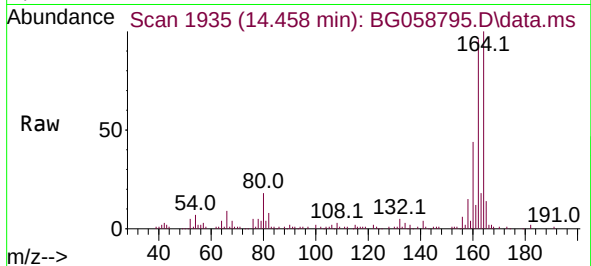




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.458 min Scan# 1935  
Delta R.T. 0.000 min  
Lab File: BG058795.D  
Acq: 21 Aug 2023 15:50

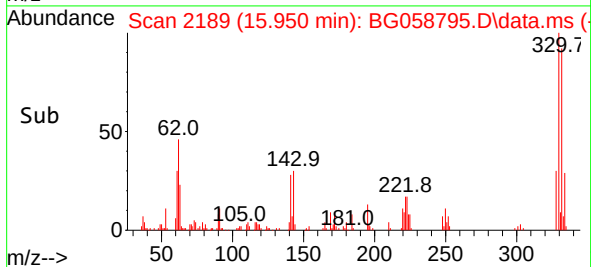
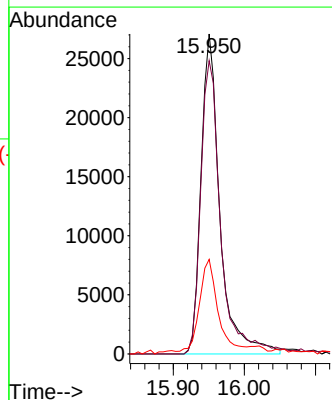
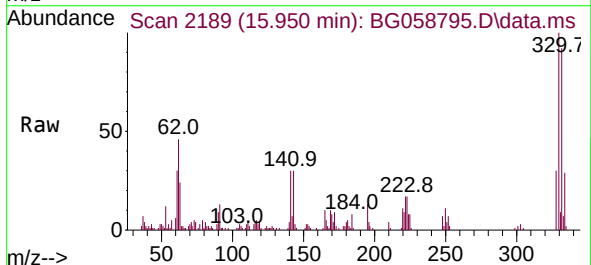
Instrument :  
BNA\_G  
ClientSampleId :  
B-PP09C

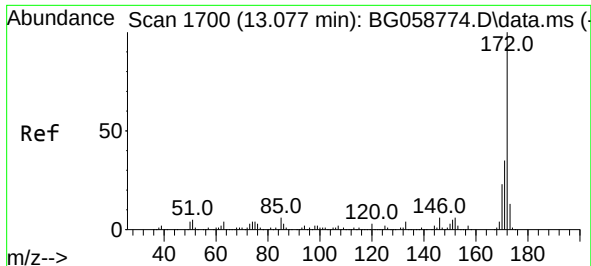
Tgt Ion:164 Resp: 75163  
Ion Ratio Lower Upper  
164 100  
162 96.3 79.6 119.4  
160 43.8 34.0 51.0



#42  
2,4,6-Tribromophenol  
Concen: 42.242 ng  
RT: 15.950 min Scan# 2189  
Delta R.T. 0.000 min  
Lab File: BG058795.D  
Acq: 21 Aug 2023 15:50

Tgt Ion:330 Resp: 49784  
Ion Ratio Lower Upper  
330 100  
332 97.3 78.5 117.7  
141 30.7 23.0 34.6

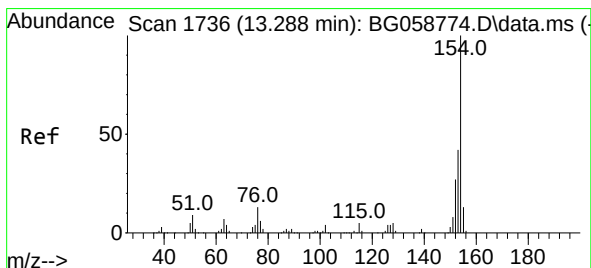
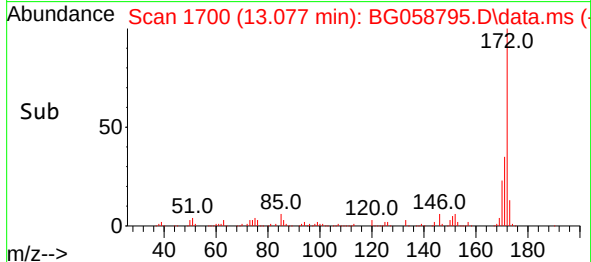
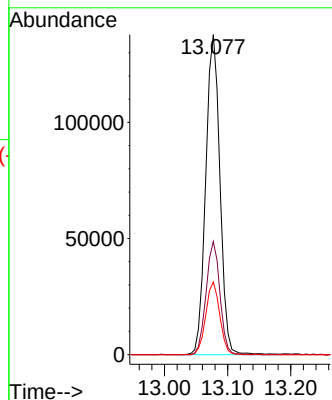
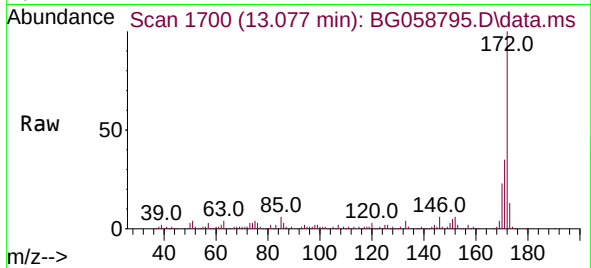




#45  
2-Fluorobiphenyl  
Concen: 41.637 ng  
RT: 13.077 min Scan# 1700  
Delta R.T. 0.000 min  
Lab File: BG058795.D  
Acq: 21 Aug 2023 15:50

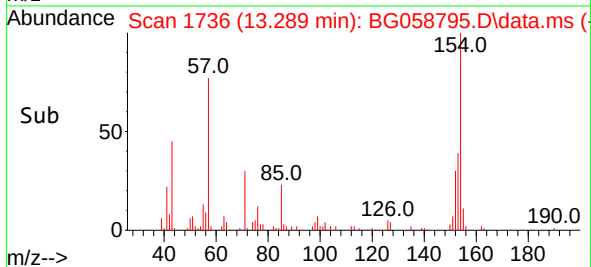
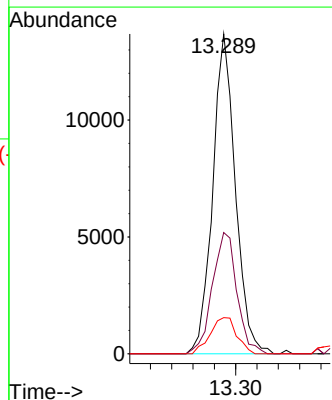
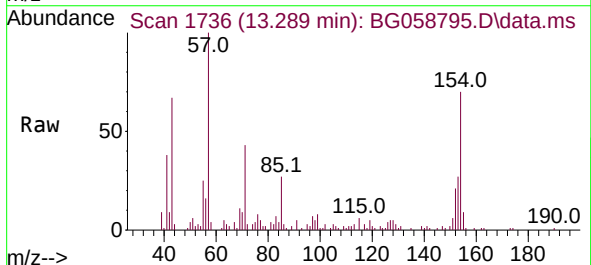
Instrument :  
BNA\_G  
ClientSampleId :  
B-PP09C

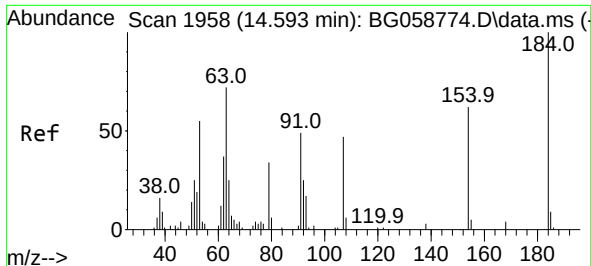
Tgt Ion:172 Resp: 215168  
Ion Ratio Lower Upper  
172 100  
171 35.3 28.1 42.1  
170 22.7 18.6 27.8



#46  
1,1'-Biphenyl  
Concen: 3.917 ng  
RT: 13.289 min Scan# 1736  
Delta R.T. 0.000 min  
Lab File: BG058795.D  
Acq: 21 Aug 2023 15:50

Tgt Ion:154 Resp: 20283  
Ion Ratio Lower Upper  
154 100  
153 37.9 21.7 61.7  
76 11.3 0.0 33.2

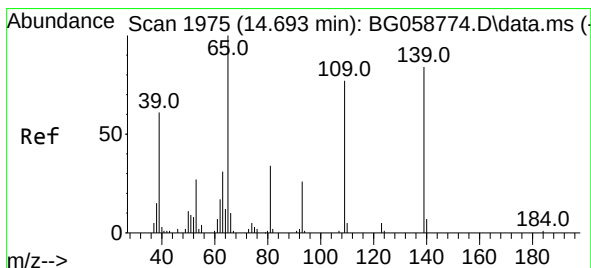
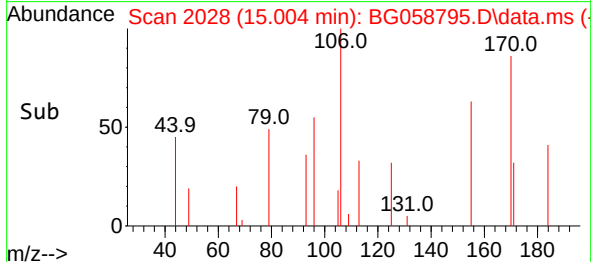
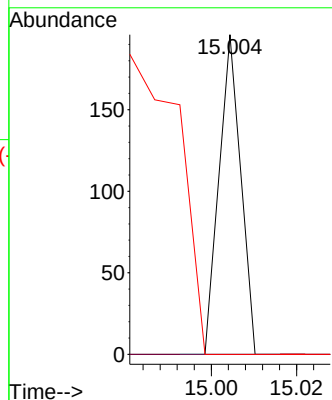
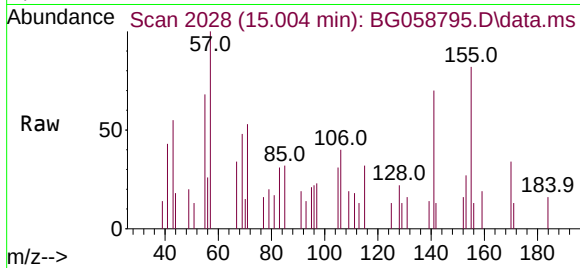




#54  
2,4-Dinitrophenol  
Concen: 6.977 ng  
RT: 15.004 min Scan# 20  
Delta R.T. 0.411 min  
Lab File: BG058795.D  
Acq: 21 Aug 2023 15:50

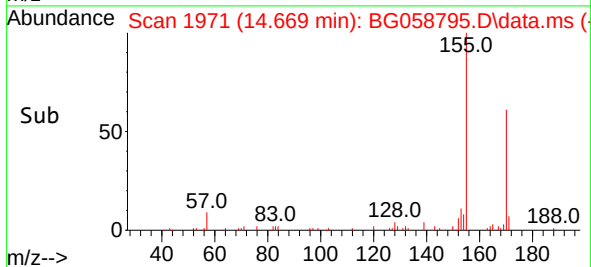
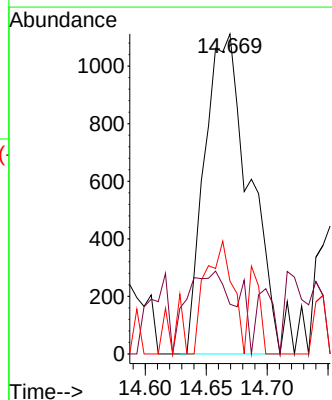
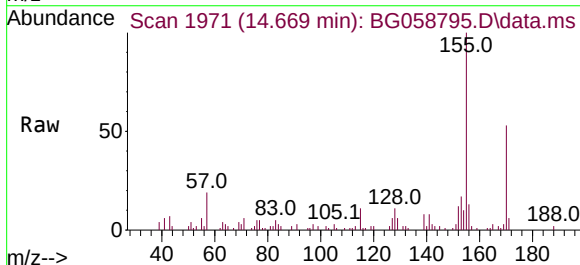
Instrument :  
BNA\_G  
ClientSampleId :  
B-PP09C

Tgt Ion:184 Resp: 69  
Ion Ratio Lower Upper  
184 100  
63 0.0 57.7 86.5#  
154 0.0 51.8 77.6#

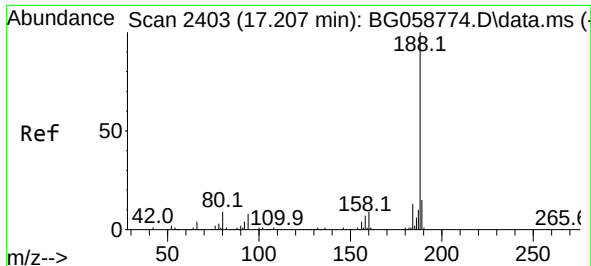


#56  
4-Nitrophenol  
Concen: 7.575 ng  
RT: 14.669 min Scan# 1971  
Delta R.T. -0.024 min  
Lab File: BG058795.D  
Acq: 21 Aug 2023 15:50

Tgt Ion:139 Resp: 2816  
Ion Ratio Lower Upper  
139 100  
109 15.6 71.9 111.9#  
65 22.8 100.7 140.7#



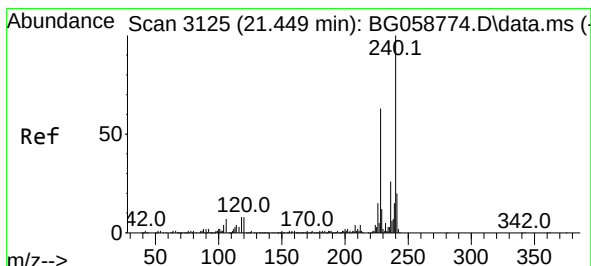
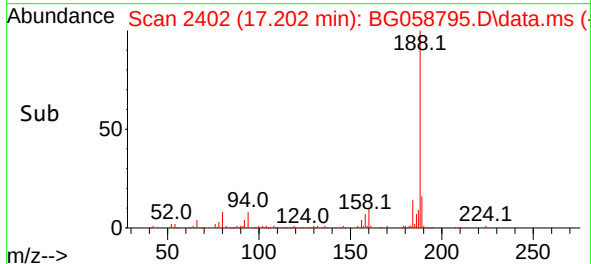
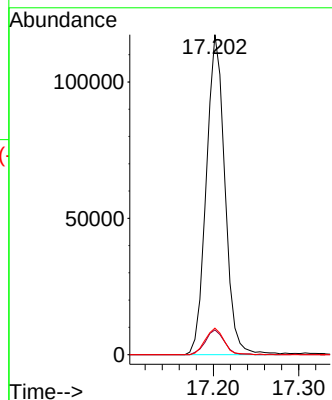
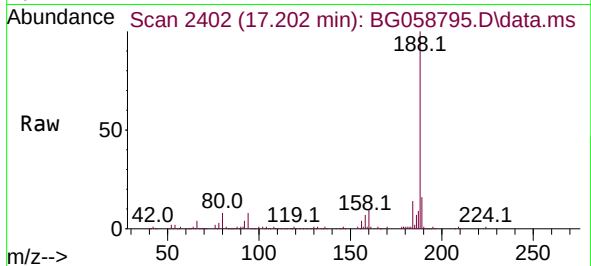




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.202 min Scan# 24  
Delta R.T. -0.005 min  
Lab File: BG058795.D  
Acq: 21 Aug 2023 15:50

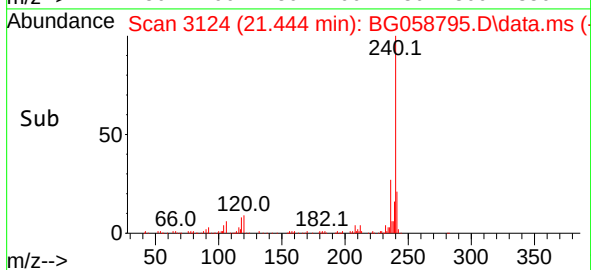
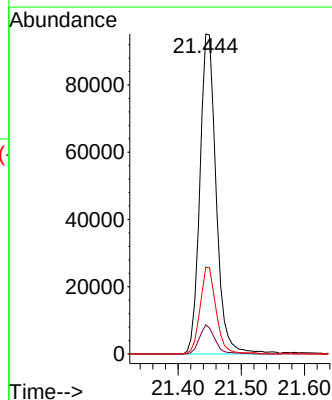
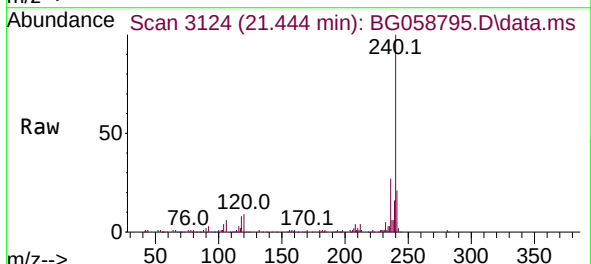
Instrument :  
BNA\_G  
ClientSampleId :  
B-PP09C

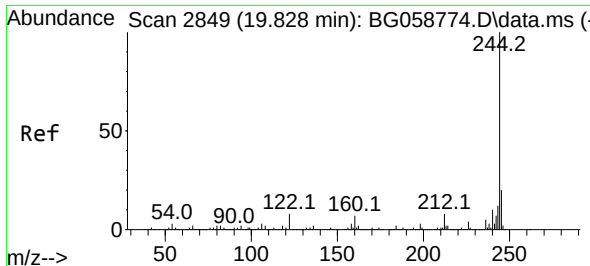
Tgt Ion:188 Resp: 177480  
Ion Ratio Lower Upper  
188 100  
94 7.7 6.1 9.1  
80 8.3 6.9 10.3



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.444 min Scan# 3124  
Delta R.T. -0.005 min  
Lab File: BG058795.D  
Acq: 21 Aug 2023 15:50

Tgt Ion:240 Resp: 170371  
Ion Ratio Lower Upper  
240 100  
120 9.1 6.2 9.2  
236 27.1 20.5 30.7

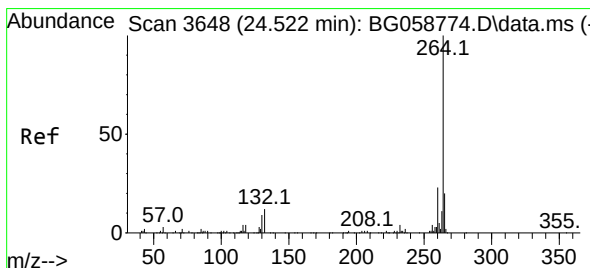
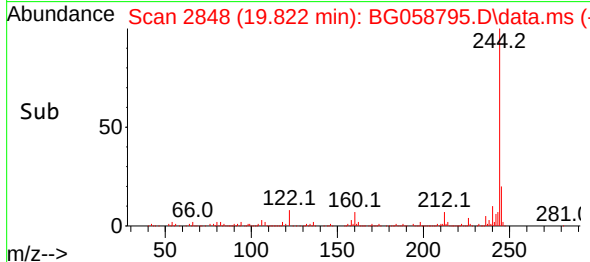
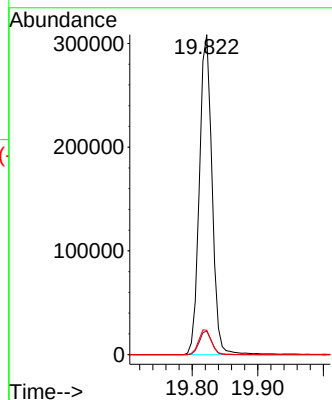
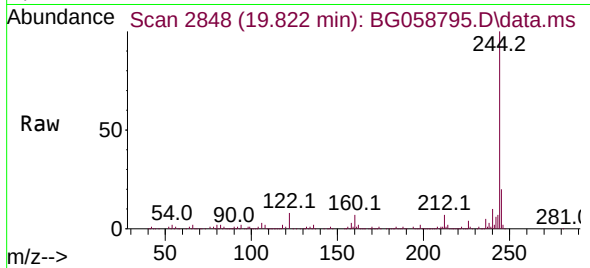




#79  
 Terphenyl-d14  
 Concen: 43.297 ng  
 RT: 19.822 min Scan# 2848  
 Delta R.T. -0.005 min  
 Lab File: BG058795.D  
 Acq: 21 Aug 2023 15:50

Instrument :  
 BNA\_G  
 ClientSampleId :  
 B-PP09C

Tgt Ion:244 Resp: 410818  
 Ion Ratio Lower Upper  
 244 100  
 212 7.3 6.2 9.2  
 122 7.6 6.3 9.5



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.523 min Scan# 3648  
 Delta R.T. 0.000 min  
 Lab File: BG058795.D  
 Acq: 21 Aug 2023 15:50

Tgt Ion:264 Resp: 208556  
 Ion Ratio Lower Upper  
 264 100  
 260 22.0 18.2 27.2  
 265 21.0 16.4 24.6

