

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG082521\  
 Data File : BG049970.D  
 Acq On : 25 Aug 2021 16:12  
 Operator : CG/JU  
 Sample : M3533-01  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CL-02-0824-21

Quant Time: Aug 25 16:59:12 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG080321.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 23 16:13:24 2021  
 Response via : Initial Calibration

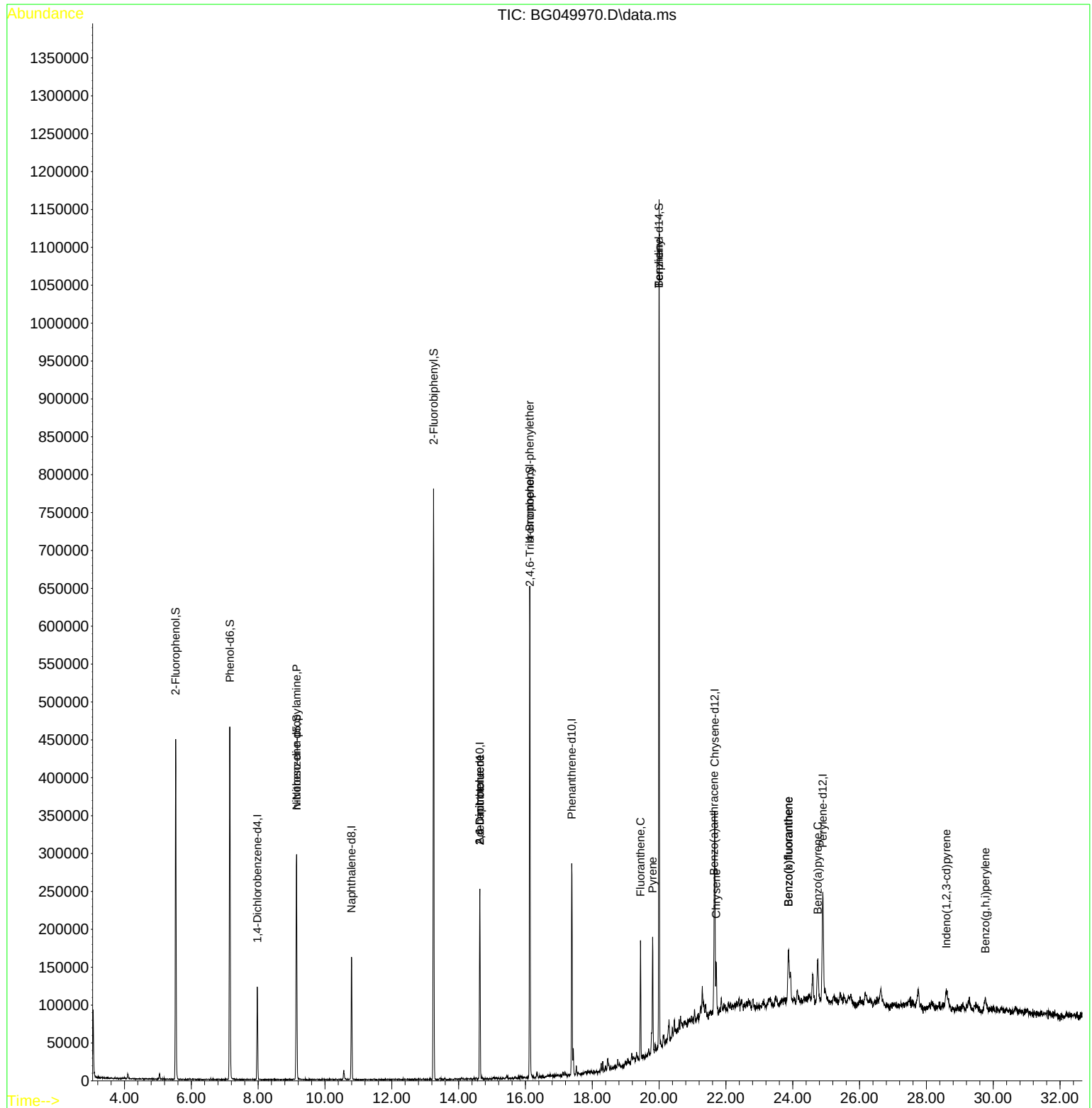
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.975  | 152  | 32624    | 20.000  | ng    | -0.01    |
| 21) Naphthalene-d8            | 10.795 | 136  | 136813   | 20.000  | ng    | -0.02    |
| 39) Acenaphthene-d10          | 14.637 | 164  | 89761    | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10          | 17.386 | 188  | 172080   | 20.000  | ng    | #-0.02   |
| 76) Chrysene-d12              | 21.662 | 240  | 143252   | 20.000  | ng    | -0.02    |
| 86) Perylene-d12              | 24.899 | 264  | 148096   | 20.000  | ng    | -0.02    |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.531  | 112  | 186218   | 102.322 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.153  | 99   | 260891   | 94.701  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.150  | 82   | 183889   | 59.478  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 16.135 | 330  | 126302   | 95.729  | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 13.250 | 172  | 398613   | 64.617  | ng    | -0.01    |
| 79) Terphenyl-d14             | 20.000 | 244  | 504483   | 63.960  | ng    | -0.01    |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 9.150  | 70   | 27410    | 14.868  | ng    | # 65     |
| 51) 2,6-Dinitrotoluene        | 14.637 | 165  | 11983    | 8.036   | ng    | # 11     |
| 57) 2,4-Dinitrotoluene        | 14.637 | 165  | 11983    | 5.722   | ng    | # 17     |
| 67) 4-Bromophenyl-phenylether | 16.129 | 248  | 7651     | 3.775   | ng    | # 1      |
| 75) Fluoranthene              | 19.442 | 202  | 97228    | 8.727   | ng    | 96       |
| 77) Benzidine                 | 20.000 | 184  | 11274    | 3.072   | ng    | # 94     |
| 78) Pyrene                    | 19.806 | 202  | 98169    | 10.052  | ng    | 97       |
| 81) Benzo(a)anthracene        | 21.645 | 228  | 54869    | 5.881   | ng    | 99       |
| 83) Chrysene                  | 21.709 | 228  | 50171    | 5.626   | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 28.600 | 276  | 45346    | 4.246   | ng    | # 94     |
| 88) Benzo(b)fluoranthene      | 23.871 | 252  | 81287    | 8.369   | ng    | # 85     |
| 89) Benzo(k)fluoranthene      | 23.871 | 252  | 81287    | 8.972   | ng    | # 90     |
| 90) Benzo(a)pyrene            | 24.752 | 252  | 64390    | 7.325   | ng    | # 92     |
| 92) Benzo(g,h,i)perylene      | 29.763 | 276  | 45447    | 5.154   | ng    | # 93     |
| -----                         |        |      |          |         |       |          |

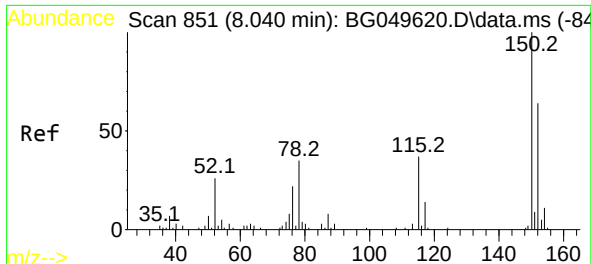
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG082521\  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Aug 23 16:13:24 2021  
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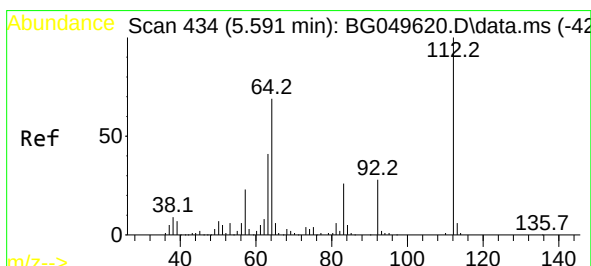
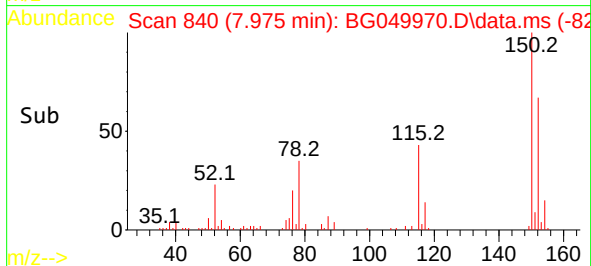
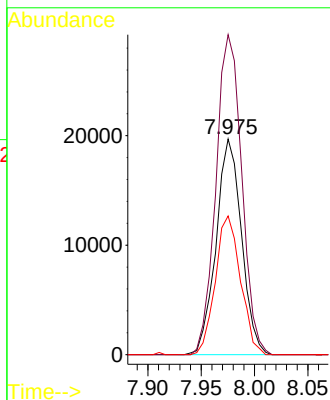
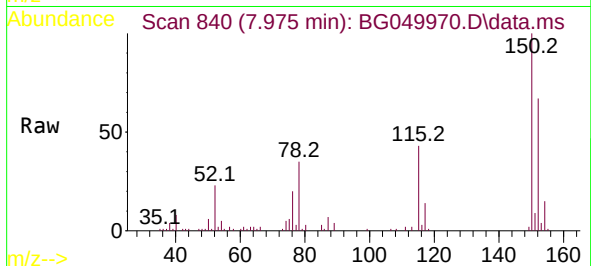




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.975 min Scan# 840  
Delta R.T. -0.011 min  
Lab File: BG049970.D  
Acq: 25 Aug 2021 16:12

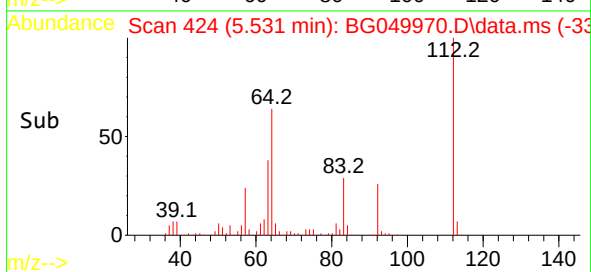
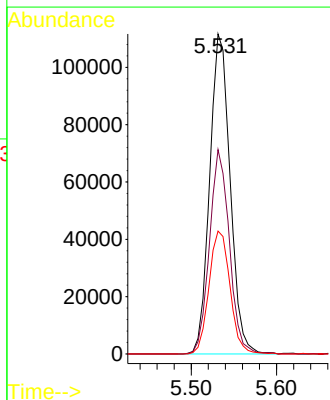
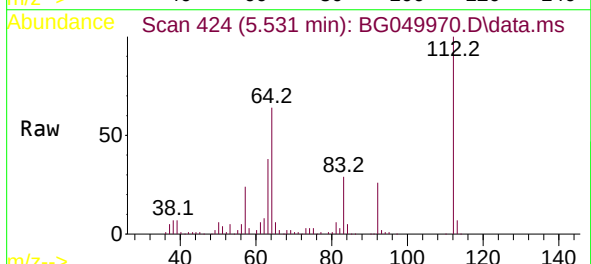
Instrument :  
BNA\_G  
ClientSampleId :  
CL-02-0824-21

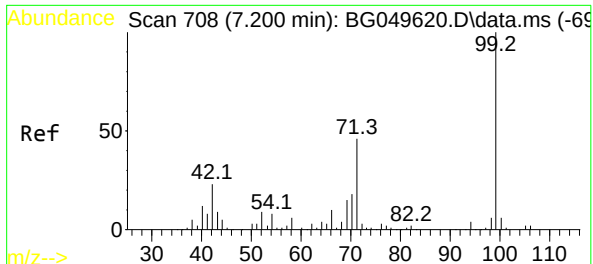
Tgt Ion:152 Resp: 32624  
Ion Ratio Lower Upper  
152 100  
150 148.4 119.4 179.0  
115 64.4 60.2 90.4



#5  
2-Fluorophenol  
Concen: 102.322 ng  
RT: 5.531 min Scan# 424  
Delta R.T. -0.005 min  
Lab File: BG049970.D  
Acq: 25 Aug 2021 16:12

Tgt Ion:112 Resp: 186218  
Ion Ratio Lower Upper  
112 100  
64 63.8 46.7 70.1  
63 38.4 35.3 52.9

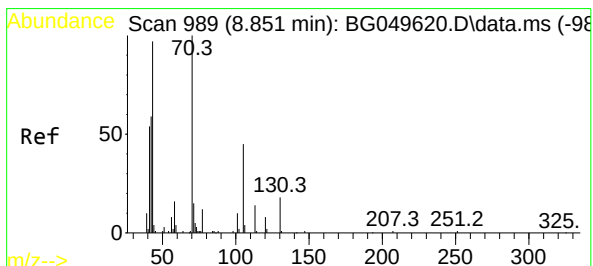
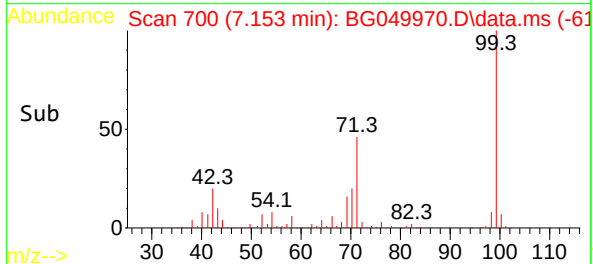
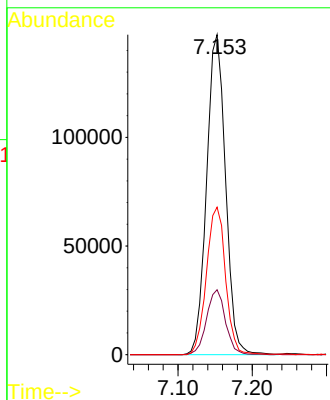
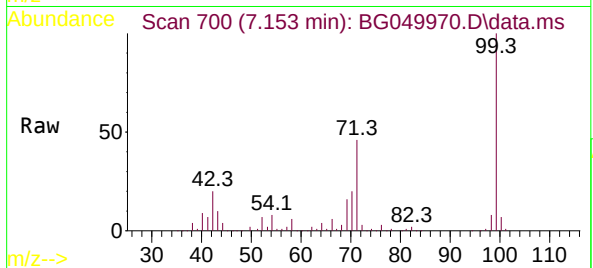




#7  
Phenol-d6  
Concen: 94.701 ng  
RT: 7.153 min Scan# 700  
Delta R.T. -0.005 min  
Lab File: BG049970.D  
Acq: 25 Aug 2021 16:12

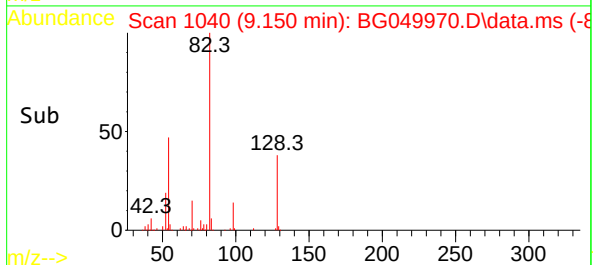
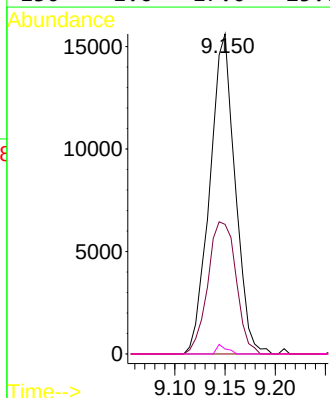
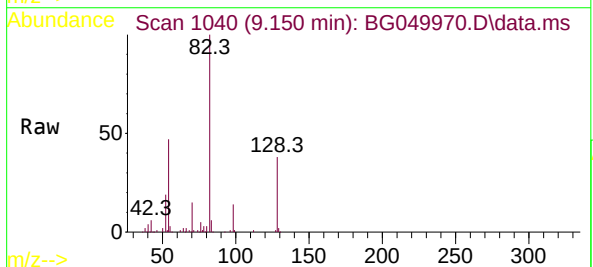
Instrument :  
BNA\_G  
ClientSampleId :  
CL-02-0824-21

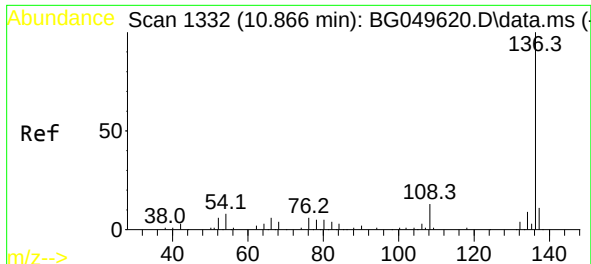
Tgt Ion: 99 Resp: 260891  
Ion Ratio Lower Upper  
99 100  
42 20.3 20.5 30.7#  
71 46.1 41.5 62.3



#19  
n-Nitroso-di-n-propylamine  
Concen: 14.868 ng  
RT: 9.150 min Scan# 1040  
Delta R.T. 0.353 min  
Lab File: BG049970.D  
Acq: 25 Aug 2021 16:12

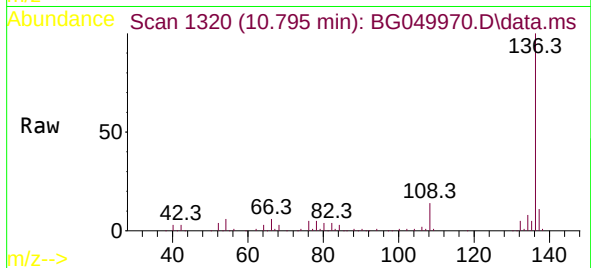
Tgt Ion: 70 Resp: 27410  
Ion Ratio Lower Upper  
70 100  
42 40.5 54.5 81.7#  
101 0.0 9.0 13.6#  
130 1.6 17.0 25.6#



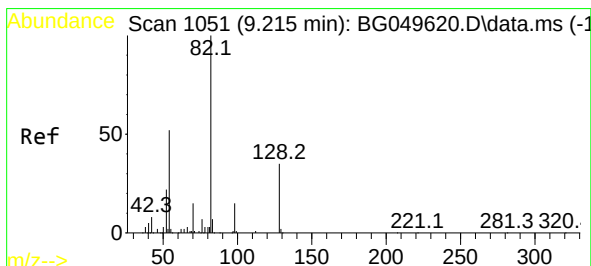
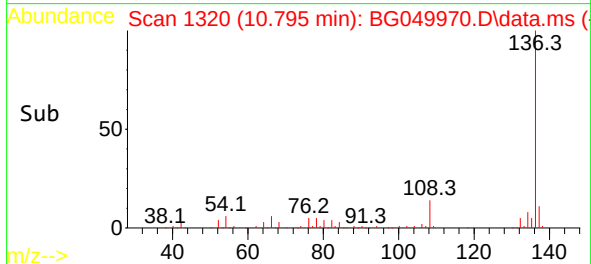
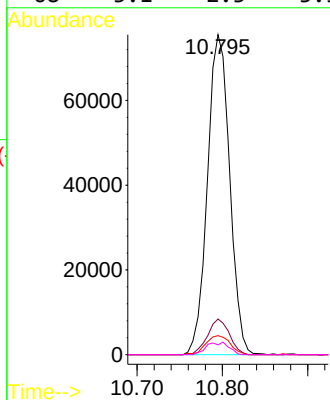


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.795 min Scan# 1320  
Delta R.T. -0.017 min  
Lab File: BG049970.D  
Acq: 25 Aug 2021 16:12

Instrument :  
BNA\_G  
ClientSampleId :  
CL-02-0824-21

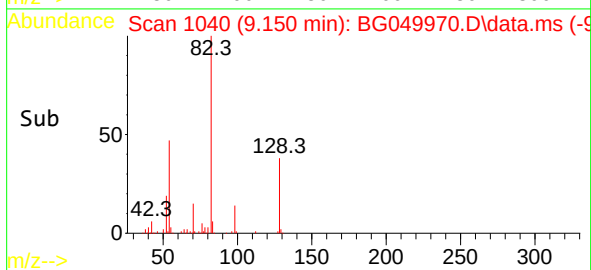
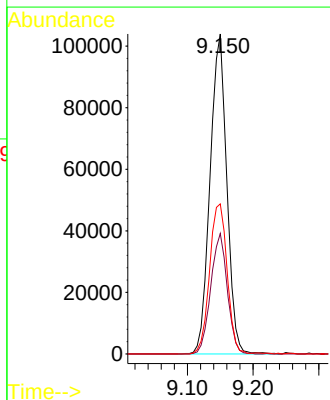
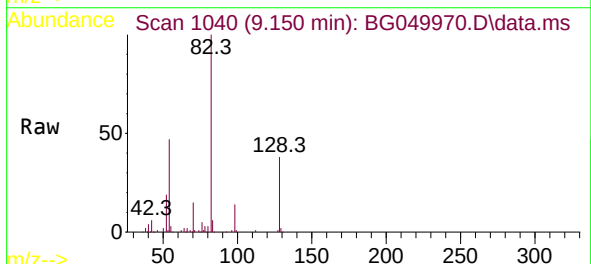


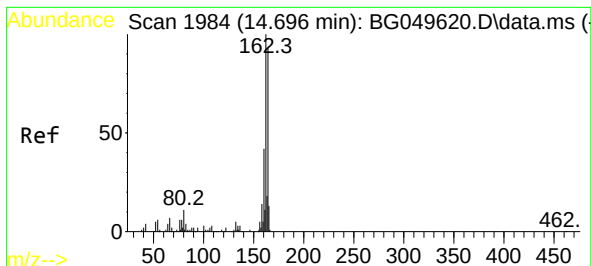
Tgt Ion:136 Resp: 136813  
Ion Ratio Lower Upper  
136 100  
137 11.1 8.2 12.2  
54 6.0 5.5 8.3  
68 3.1 2.3 3.5



#23  
Nitrobenzene-d5  
Concen: 59.478 ng  
RT: 9.150 min Scan# 1040  
Delta R.T. -0.011 min  
Lab File: BG049970.D  
Acq: 25 Aug 2021 16:12

Tgt Ion: 82 Resp: 183889  
Ion Ratio Lower Upper  
82 100  
128 37.6 29.8 44.6  
54 46.9 45.8 68.8

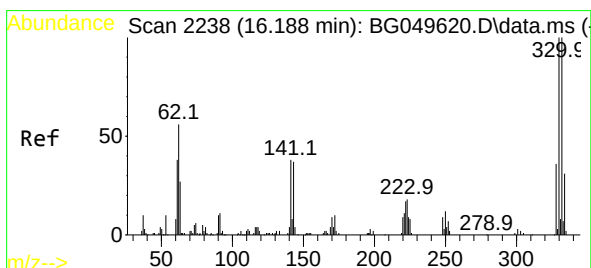
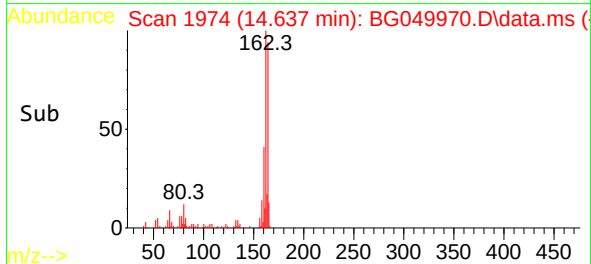
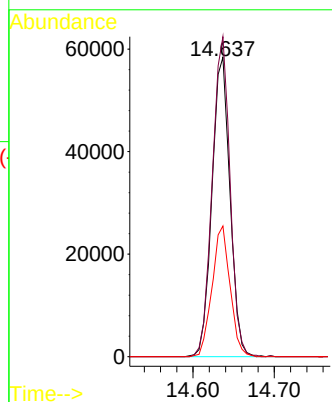
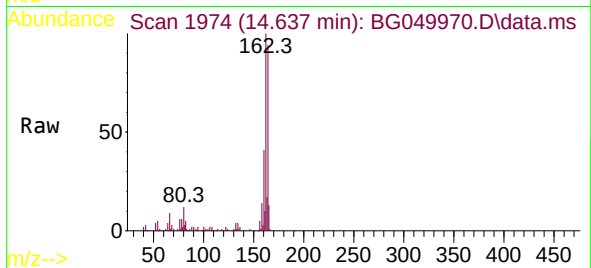




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.637 min Scan# 1974  
Delta R.T. -0.011 min  
Lab File: BG049970.D  
Acq: 25 Aug 2021 16:12

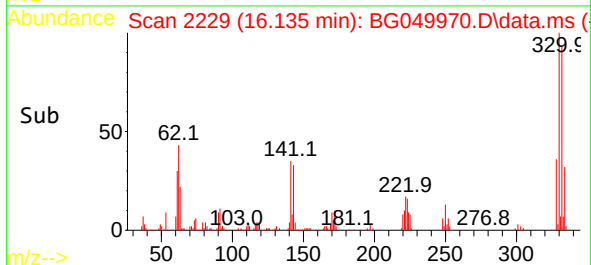
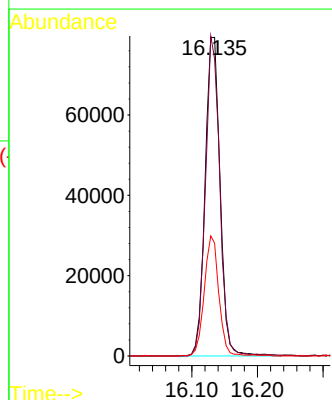
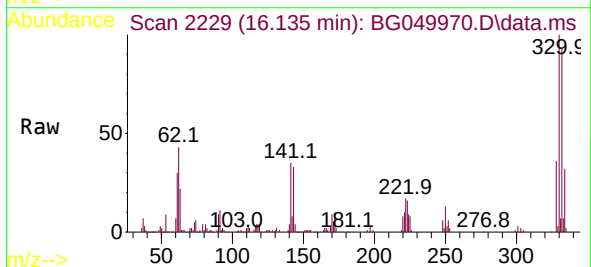
Instrument :  
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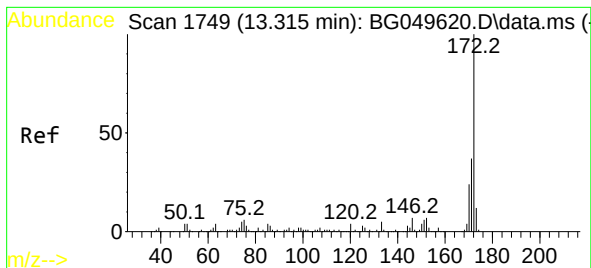
Tgt Ion:164 Resp: 89761  
Ion Ratio Lower Upper  
164 100  
162 106.9 81.4 122.0  
160 43.7 34.9 52.3



#42  
2,4,6-Tribromophenol  
Concen: 95.729 ng  
RT: 16.135 min Scan# 2229  
Delta R.T. -0.011 min  
Lab File: BG049970.D  
Acq: 25 Aug 2021 16:12

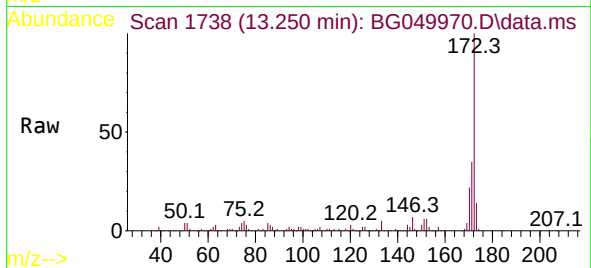
Tgt Ion:330 Resp: 126302  
Ion Ratio Lower Upper  
330 100  
332 95.4 77.3 115.9  
141 36.5 35.6 53.4



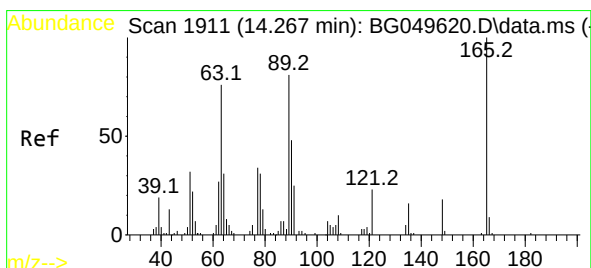
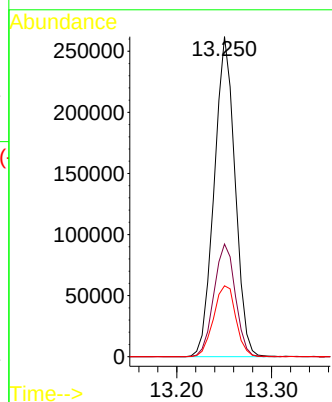
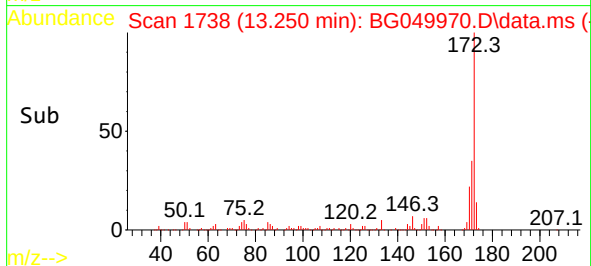


#45  
2-Fluorobiphenyl  
Concen: 64.617 ng  
RT: 13.250 min Scan# 1738  
Delta R.T. -0.011 min  
Lab File: BG049970.D  
Acq: 25 Aug 2021 16:12

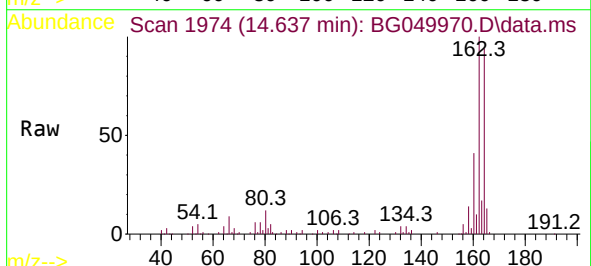
Instrument :  
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ClientSampleId :  
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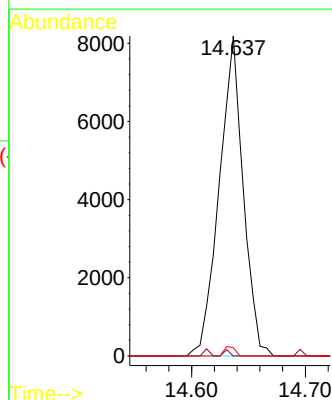
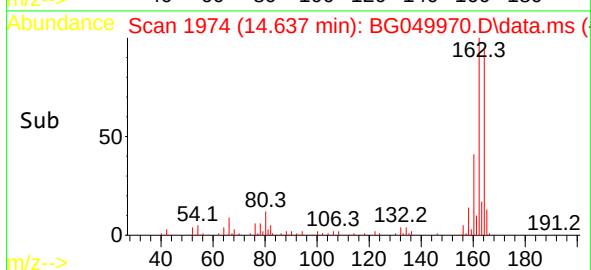
Tgt Ion:172 Resp: 398613  
Ion Ratio Lower Upper  
172 100  
171 35.2 28.6 43.0  
170 22.2 18.6 27.8

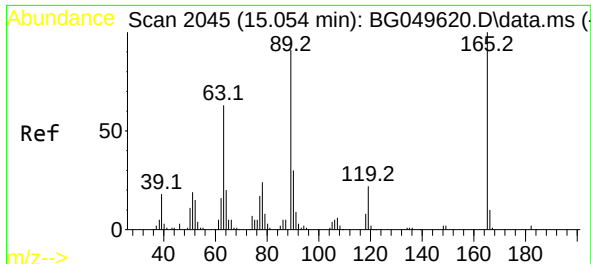


#51  
2,6-Dinitrotoluene  
Concen: 8.036 ng  
RT: 14.637 min Scan# 1974  
Delta R.T. 0.412 min  
Lab File: BG049970.D  
Acq: 25 Aug 2021 16:12



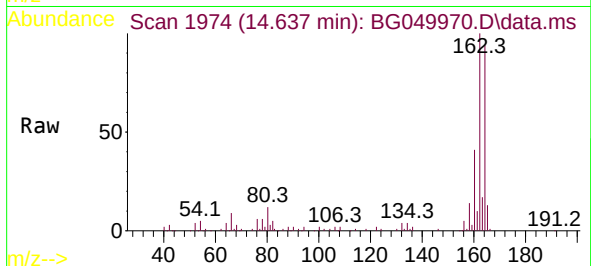
Tgt Ion:165 Resp: 11983  
Ion Ratio Lower Upper  
165 100  
63 0.0 63.3 94.9#  
89 2.6 63.4 95.0#



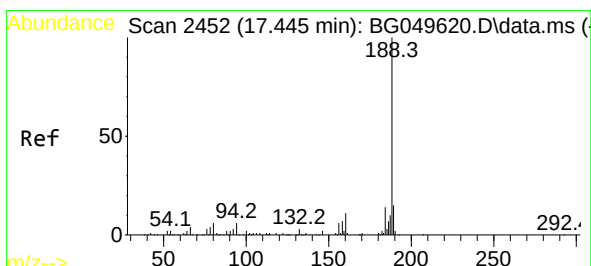
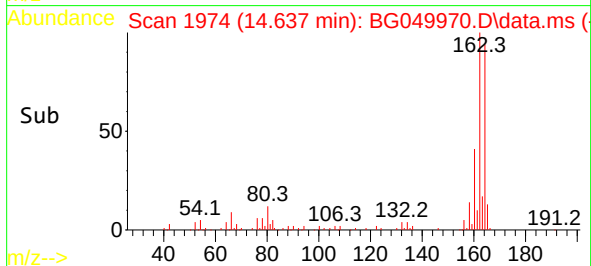
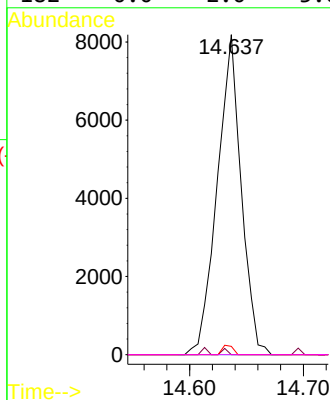


#57  
2,4-Dinitrotoluene  
Concen: 5.722 ng  
RT: 14.637 min Scan# 1974  
Delta R.T. -0.381 min  
Lab File: BG049970.D  
Acq: 25 Aug 2021 16:12

Instrument :  
BNA\_G  
ClientSampleId :  
CL-02-0824-21

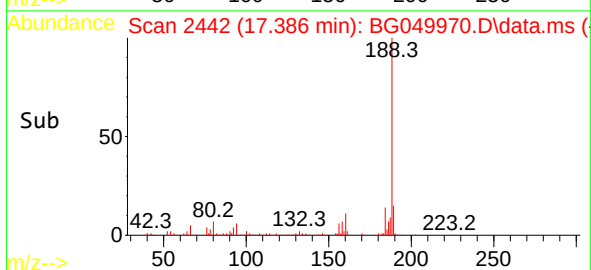
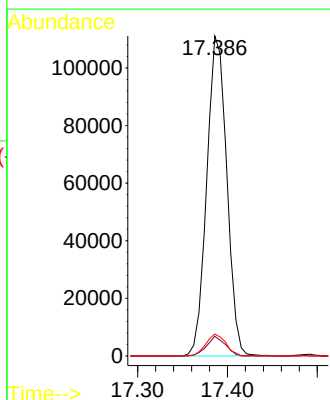
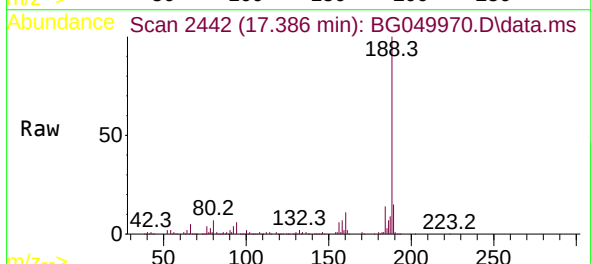


Tgt Ion:165 Resp: 11983  
Ion Ratio Lower Upper  
165 100  
63 0.0 48.0 72.0#  
89 2.6 65.4 98.0#  
182 0.0 2.0 3.0#

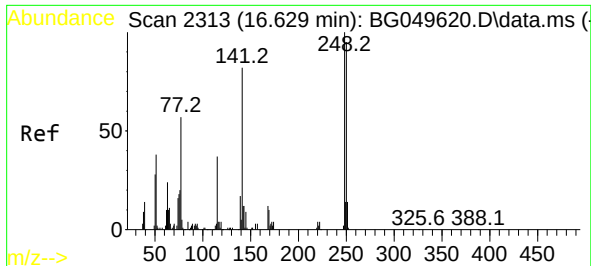


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.386 min Scan# 2442  
Delta R.T. -0.017 min  
Lab File: BG049970.D  
Acq: 25 Aug 2021 16:12

Tgt Ion:188 Resp: 172080  
Ion Ratio Lower Upper  
188 100  
94 6.1 5.4 8.0  
80 6.8 3.7 5.5#



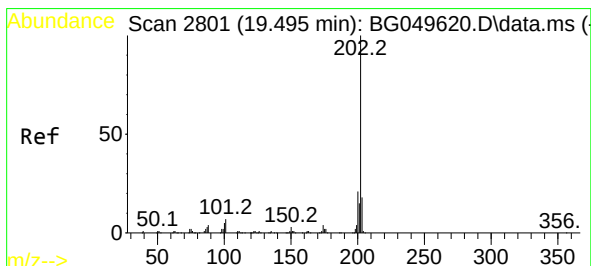
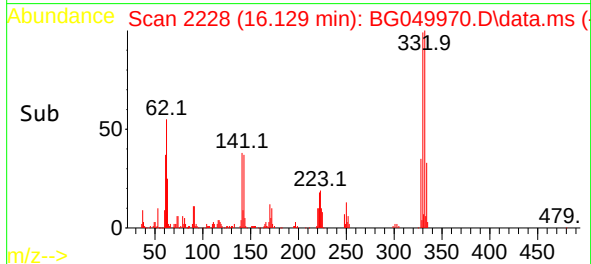
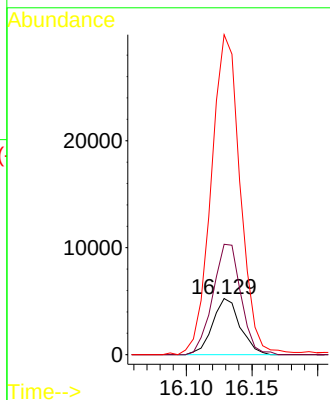
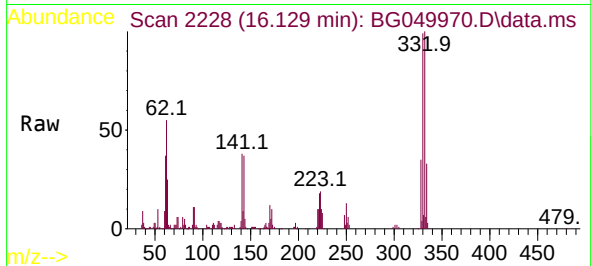




#67  
4-Bromophenyl-phenylether  
Concen: 3.775 ng  
RT: 16.129 min Scan# 2228  
Delta R.T. -0.451 min  
Lab File: BG049970.D  
Acq: 25 Aug 2021 16:12

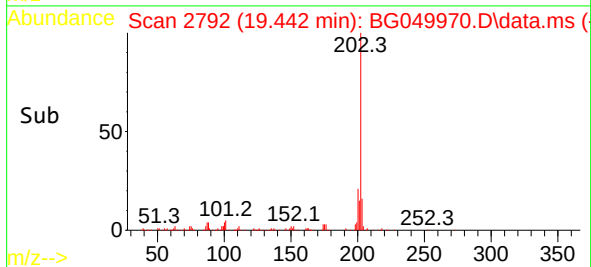
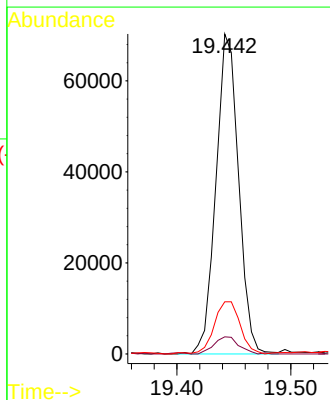
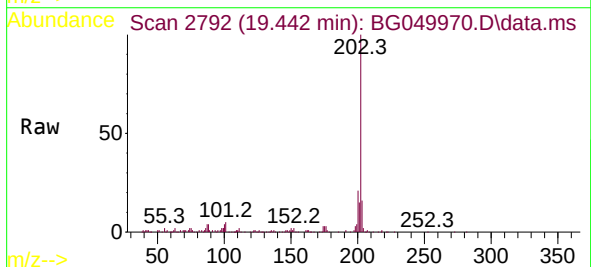
Instrument :  
BNA\_G  
ClientSampleId :  
CL-02-0824-21

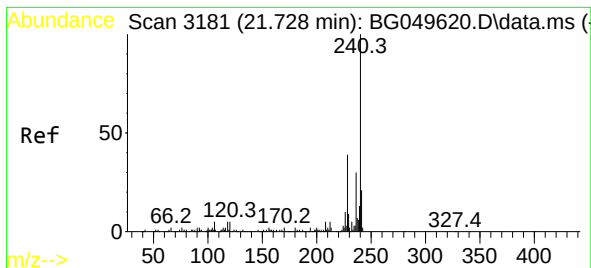
Tgt Ion:248 Resp: 7651  
Ion Ratio Lower Upper  
248 100  
250 196.5 76.1 114.1#  
141 569.3 65.4 98.2#



#75  
Fluoranthene  
Concen: 8.727 ng  
RT: 19.442 min Scan# 2792  
Delta R.T. -0.017 min  
Lab File: BG049970.D  
Acq: 25 Aug 2021 16:12

Tgt Ion:202 Resp: 97228  
Ion Ratio Lower Upper  
202 100  
101 5.4 0.0 24.7  
203 16.3 0.0 38.5

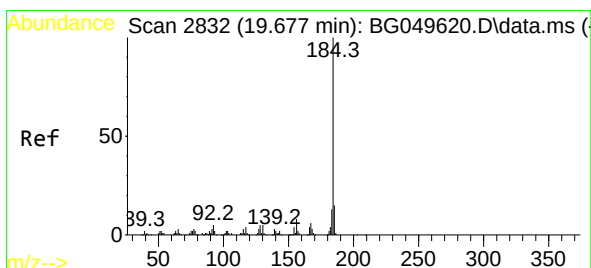
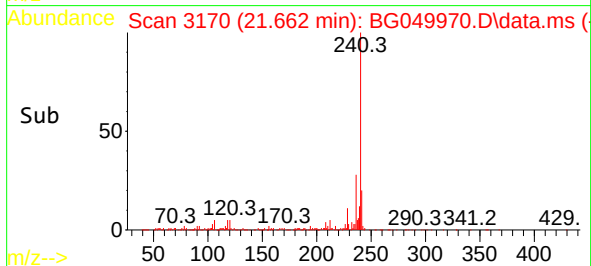
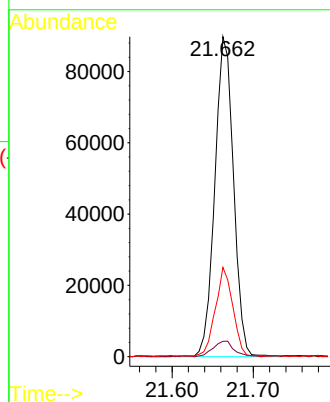
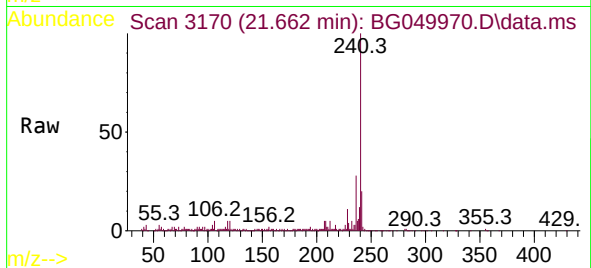




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.662 min Scan# 3170  
Delta R.T. -0.017 min  
Lab File: BG049970.D  
Acq: 25 Aug 2021 16:12

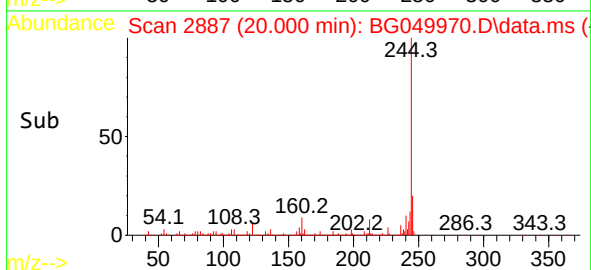
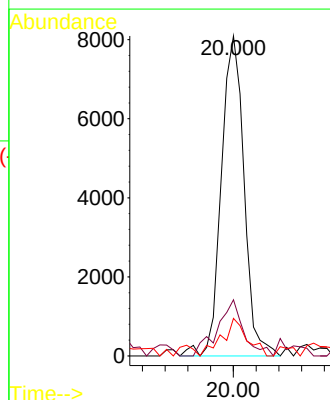
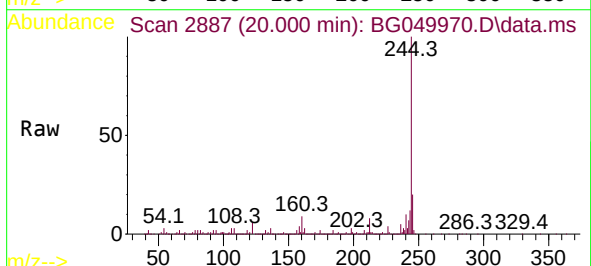
Instrument :  
BNA\_G  
ClientSampleId :  
CL-02-0824-21

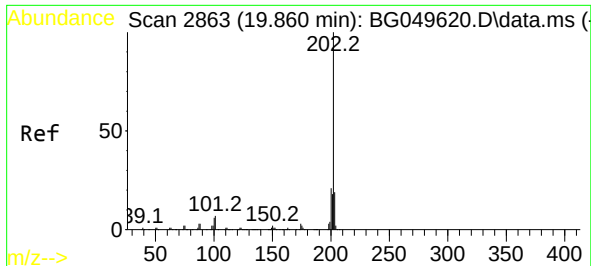
Tgt Ion:240 Resp: 143252  
Ion Ratio Lower Upper  
240 100  
120 4.8 4.2 6.2  
236 27.9 21.8 32.6



#77  
Benzidine  
Concen: 3.072 ng  
RT: 20.000 min Scan# 2887  
Delta R.T. 0.365 min  
Lab File: BG049970.D  
Acq: 25 Aug 2021 16:12

Tgt Ion:184 Resp: 11274  
Ion Ratio Lower Upper  
184 100  
185 17.5 10.7 16.1#  
183 11.7 9.4 14.0

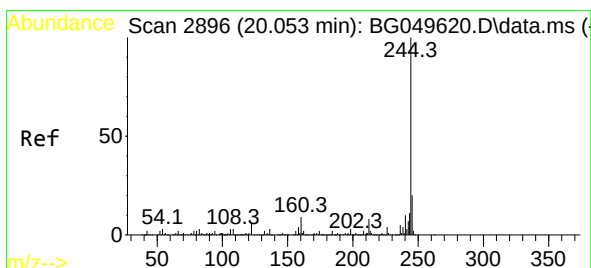
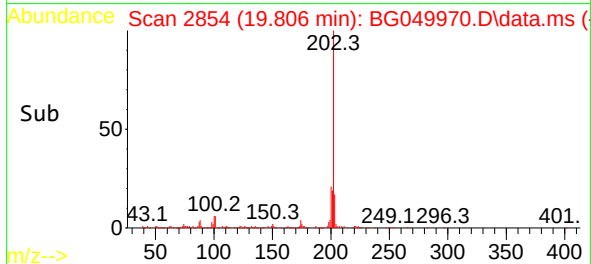
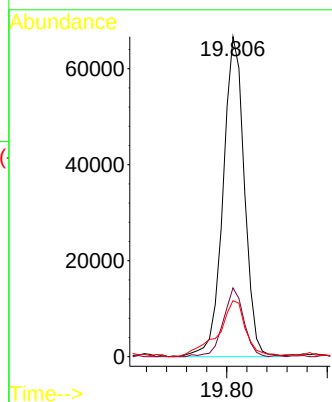
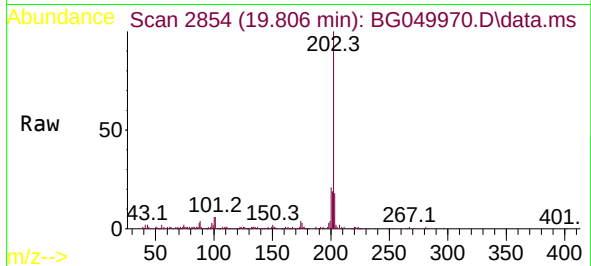




#78  
Pyrene  
Concen: 10.052 ng  
RT: 19.806 min Scan# 2854  
Delta R.T. -0.011 min  
Lab File: BG049970.D  
Acq: 25 Aug 2021 16:12

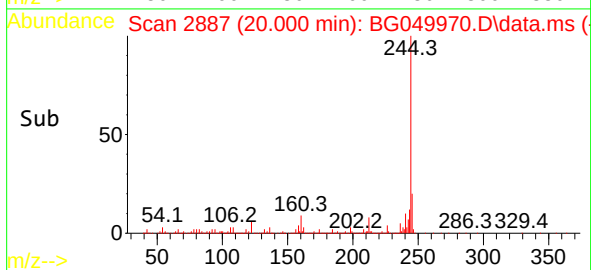
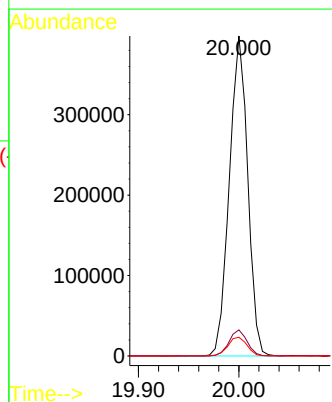
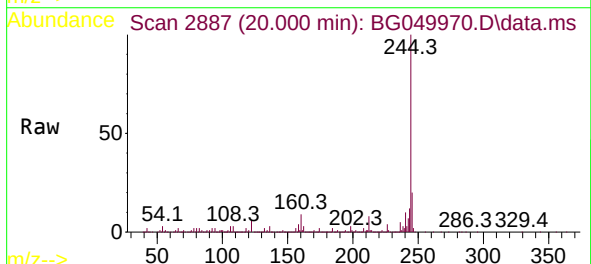
Instrument :  
BNA\_G  
ClientSampleId :  
CL-02-0824-21

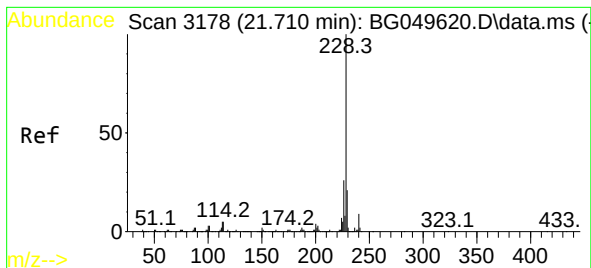
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 98169 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 200       | 21.5  | 15.8  | 23.8  |
| 203       | 17.5  | 14.6  | 21.8  |



#79  
Terphenyl-d14  
Concen: 63.960 ng  
RT: 20.000 min Scan# 2887  
Delta R.T. -0.011 min  
Lab File: BG049970.D  
Acq: 25 Aug 2021 16:12

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 244   | Resp: | 504483 |
| Ion Ratio | Lower | Upper |        |
| 244       | 100   |       |        |
| 212       | 8.2   | 6.9   | 10.3   |
| 122       | 5.9   | 5.0   | 7.6    |

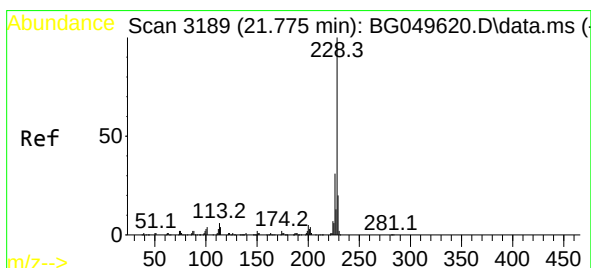
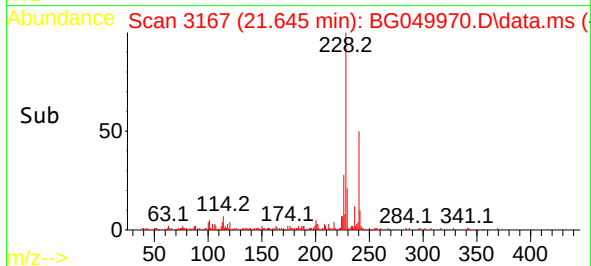
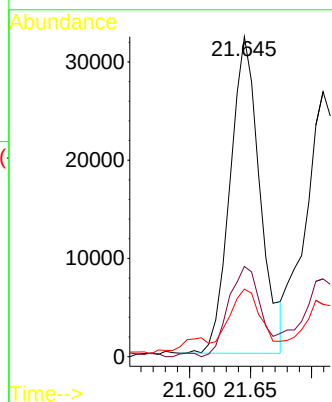
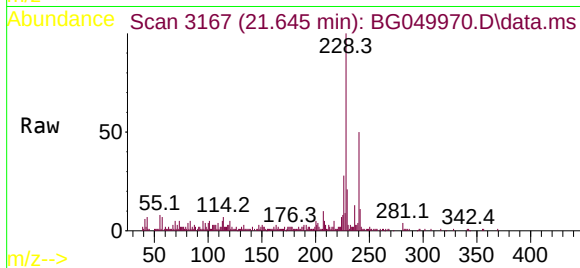




#81  
Benzo(a)anthracene  
Concen: 5.881 ng  
RT: 21.645 min Scan# 3167  
Delta R.T. -0.011 min  
Lab File: BG049970.D  
Acq: 25 Aug 2021 16:12

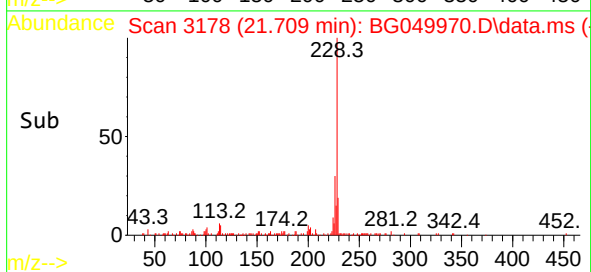
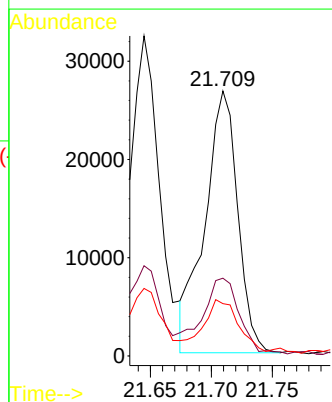
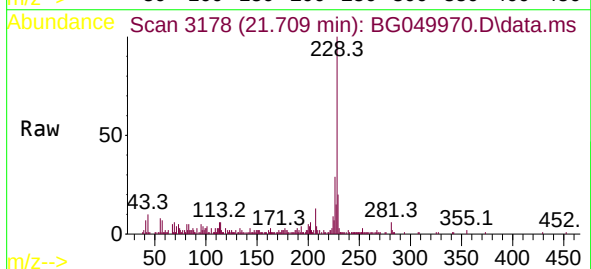
Instrument :  
BNA\_G  
ClientSampleId :  
CL-02-0824-21

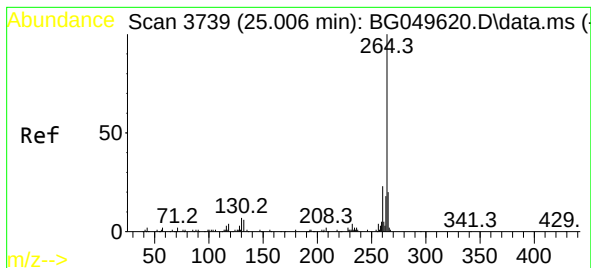
Tgt Ion:228 Resp: 54869  
Ion Ratio Lower Upper  
228 100  
226 28.2 22.7 34.1  
229 21.1 16.0 24.0



#83  
Chrysene  
Concen: 5.626 ng  
RT: 21.709 min Scan# 3178  
Delta R.T. -0.017 min  
Lab File: BG049970.D  
Acq: 25 Aug 2021 16:12

Tgt Ion:228 Resp: 50171  
Ion Ratio Lower Upper  
228 100  
226 29.3 23.1 34.7  
229 19.8 15.3 22.9

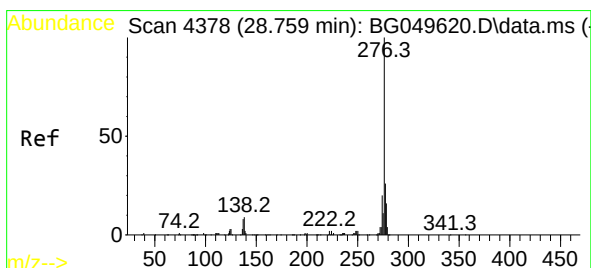
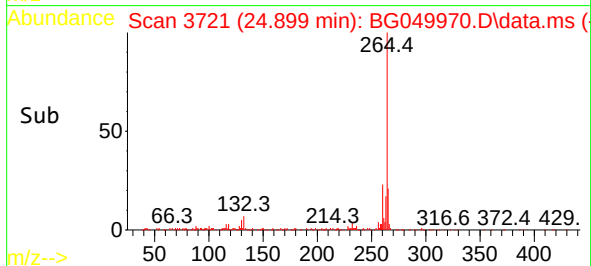
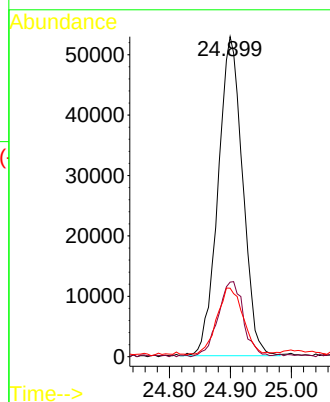
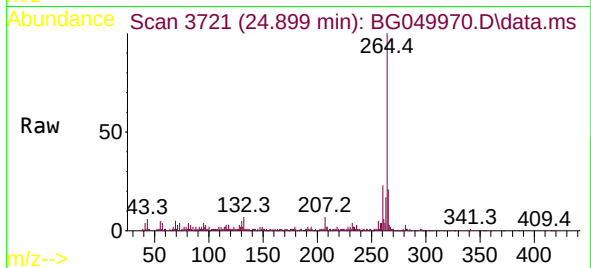




#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.899 min Scan# 3721  
 Delta R.T. -0.023 min  
 Lab File: BG049970.D  
 Acq: 25 Aug 2021 16:12

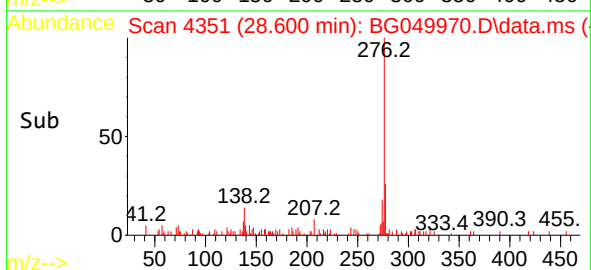
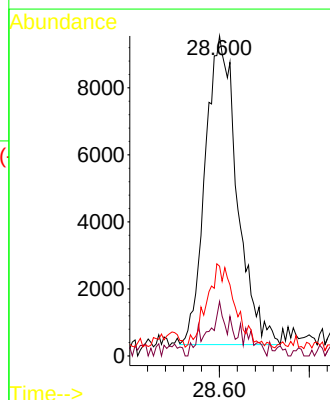
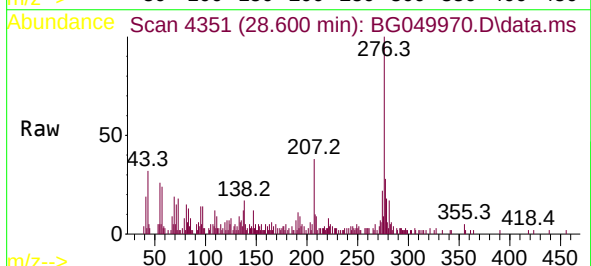
Instrument :  
 BNA\_G  
 ClientSampleId :  
 CL-02-0824-21

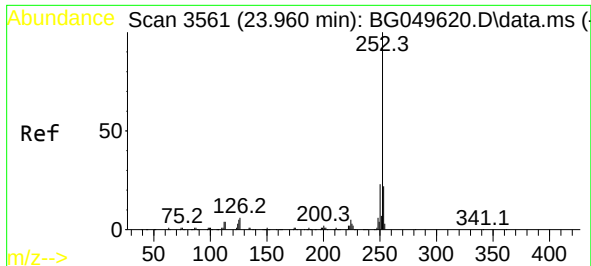
Tgt Ion:264 Resp: 148096  
 Ion Ratio Lower Upper  
 264 100  
 260 23.3 19.4 29.2  
 265 21.4 16.9 25.3



#87  
 Indeno(1,2,3-cd)pyrene  
 Concen: 4.246 ng  
 RT: 28.600 min Scan# 4351  
 Delta R.T. -0.046 min  
 Lab File: BG049970.D  
 Acq: 25 Aug 2021 16:12

Tgt Ion:276 Resp: 45346  
 Ion Ratio Lower Upper  
 276 100  
 138 2.6 5.1 7.7#  
 277 22.5 19.8 29.6

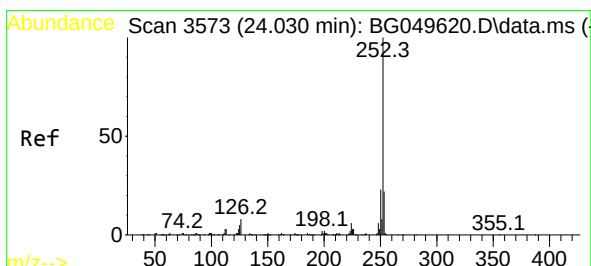
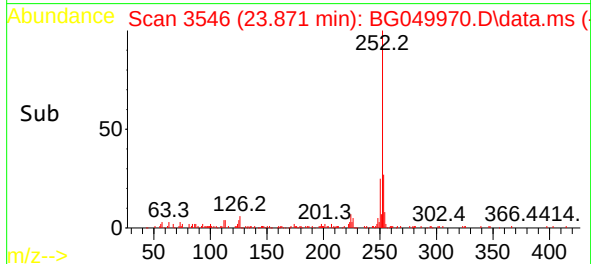
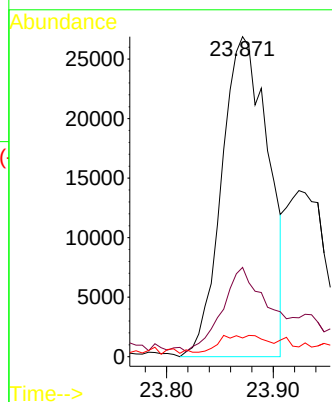
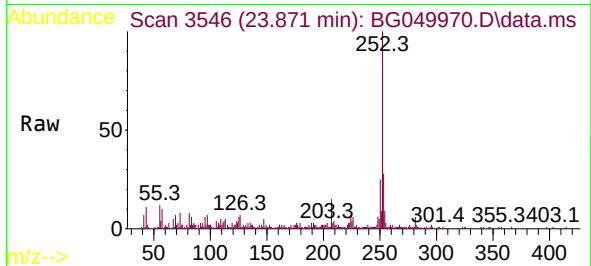




#88  
Benzo(b)fluoranthene  
Concen: 8.369 ng  
RT: 23.871 min Scan# 3546  
Delta R.T. -0.023 min  
Lab File: BG049970.D  
Acq: 25 Aug 2021 16:12

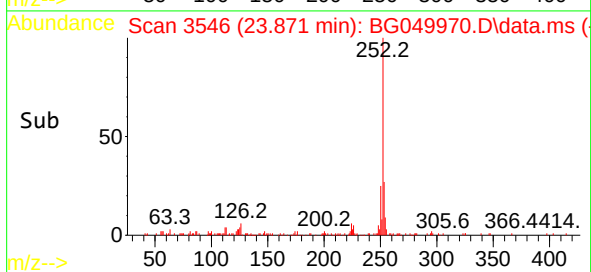
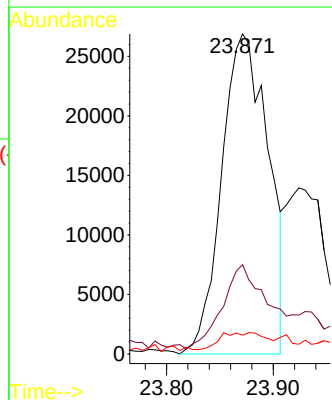
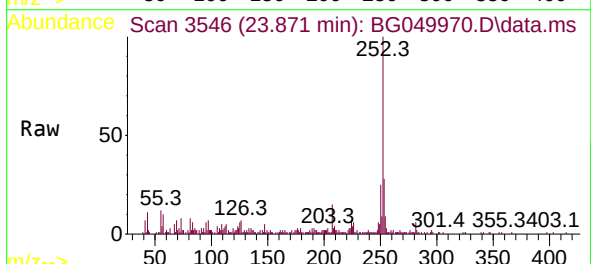
Instrument :  
BNA\_G  
ClientSampled :  
CL-02-0824-21

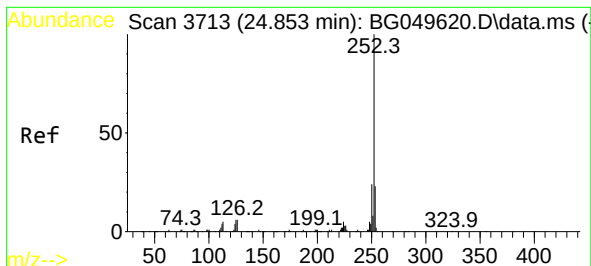
Tgt Ion:252 Resp: 81287  
Ion Ratio Lower Upper  
252 100  
253 27.9 16.2 24.4#  
125 5.8 3.0 4.4#



#89  
Benzo(k)fluoranthene  
Concen: 8.972 ng  
RT: 23.871 min Scan# 3546  
Delta R.T. -0.087 min  
Lab File: BG049970.D  
Acq: 25 Aug 2021 16:12

Tgt Ion:252 Resp: 81287  
Ion Ratio Lower Upper  
252 100  
253 27.9 18.0 27.0#  
125 5.8 3.1 4.7#

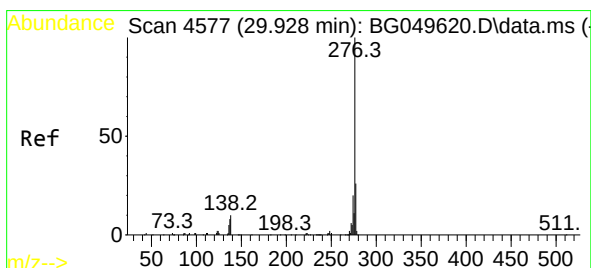
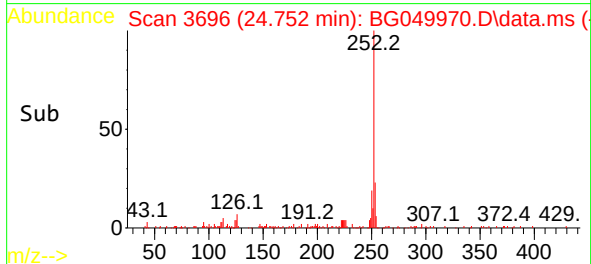
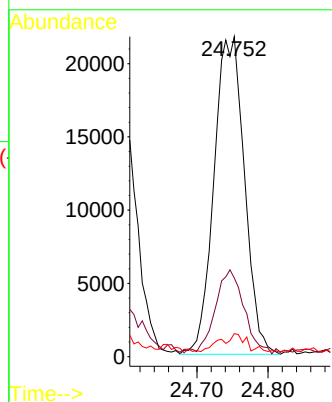
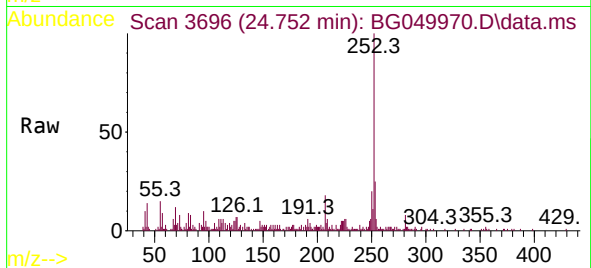




#90  
Benzo(a)pyrene  
Concen: 7.325 ng  
RT: 24.752 min Scan# 3696  
Delta R.T. -0.023 min  
Lab File: BG049970.D  
Acq: 25 Aug 2021 16:12

Instrument :  
BNA\_G  
ClientSampleId :  
CL-02-0824-21

Tgt Ion:252 Resp: 64390  
Ion Ratio Lower Upper  
252 100  
253 24.6 16.6 25.0  
125 7.2 3.5 5.3#



#92  
Benzo(g,h,i)perylene  
Concen: 5.154 ng  
RT: 29.763 min Scan# 4549  
Delta R.T. -0.052 min  
Lab File: BG049970.D  
Acq: 25 Aug 2021 16:12

Tgt Ion:276 Resp: 45447  
Ion Ratio Lower Upper  
276 100  
277 20.8 18.4 27.6  
138 13.3 7.0 10.6#

