

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG082521\  
 Data File : BG049974.D  
 Acq On : 25 Aug 2021 18:59  
 Operator : CG/JU  
 Sample : M3530-01 5X  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PL-01-082421

Quant Time: Aug 26 01:03:09 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

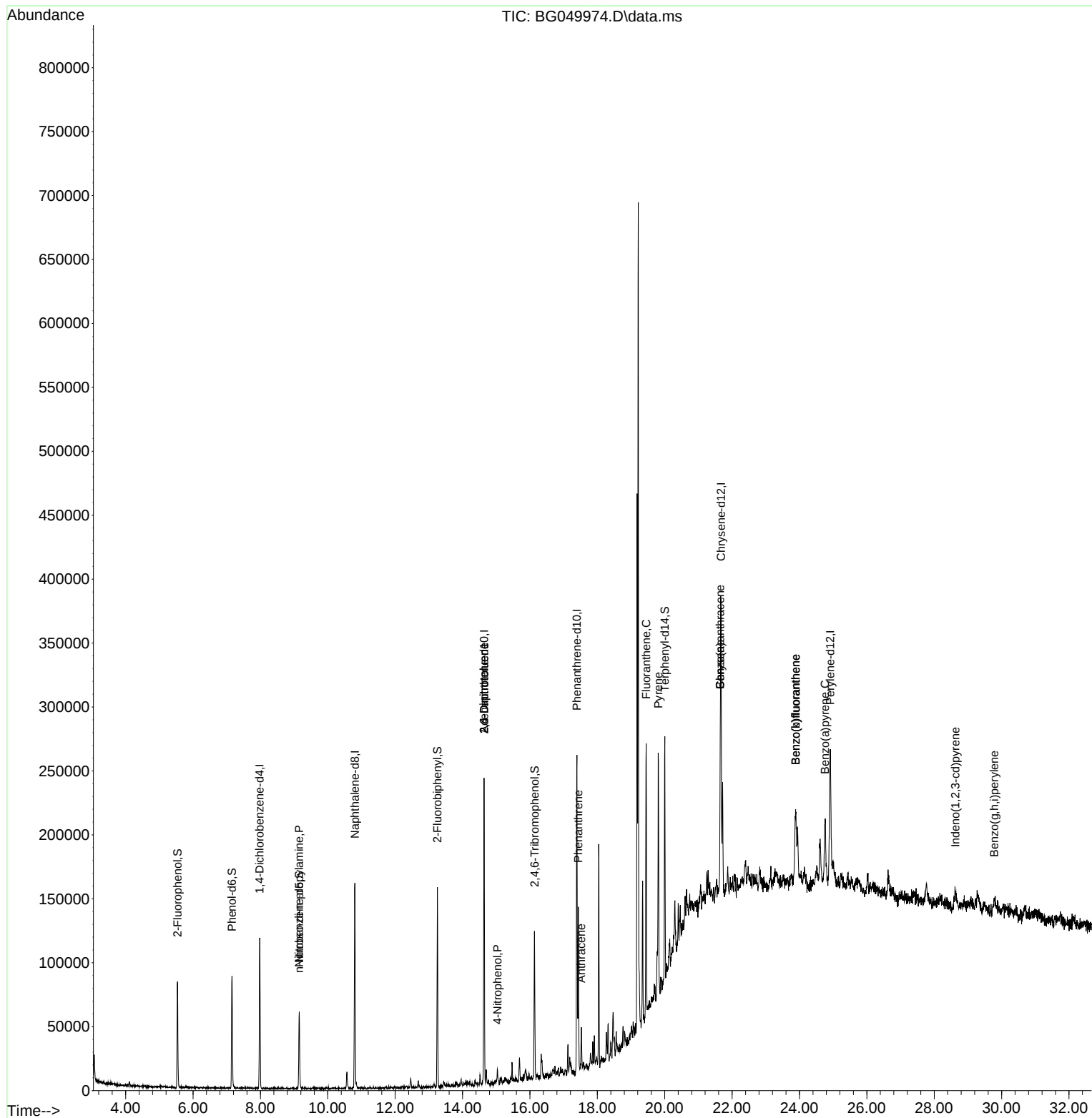
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.978  | 152  | 32473    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.803 | 136  | 134201   | 20.000 | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.639 | 164  | 82269    | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.394 | 188  | 149293   | 20.000 | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.671 | 240  | 125786   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 24.913 | 264  | 126953   | 20.000 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.540  | 112  | 35134    | 19.395 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.155  | 99   | 51057    | 18.619 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.152  | 82   | 37790    | 12.461 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.137 | 330  | 22861    | 18.905 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.253 | 172  | 75620    | 13.375 | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.002 | 244  | 87650    | 12.656 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 9.147  | 70   | 5681     | 3.096  | ng    | # 69     |
| 51) 2,6-Dinitrotoluene        | 14.639 | 165  | 11414    | 8.352  | ng    | # 12     |
| 56) 4-Nitrophenol             | 15.033 | 139  | 2409     | 2.474  | ng    | # 1      |
| 57) 2,4-Dinitrotoluene        | 14.639 | 165  | 11414    | 5.946  | ng    | # 18     |
| 71) Phenanthrene              | 17.435 | 178  | 74823    | 9.526  | ng    | 99       |
| 72) Anthracene                | 17.523 | 178  | 21419    | 2.777  | ng    | 98       |
| 75) Fluoranthene              | 19.450 | 202  | 134523   | 13.918 | ng    | 94       |
| 78) Pyrene                    | 19.809 | 202  | 124908   | 14.566 | ng    | 99       |
| 81) Benzo(a)anthracene        | 21.647 | 228  | 65519    | 7.998  | ng    | 97       |
| 83) Chrysene                  | 21.647 | 228  | 65519    | 8.367  | ng    | 96       |
| 87) Indeno(1,2,3-cd)pyrene    | 28.626 | 276  | 30349    | 3.315  | ng    | # 74     |
| 88) Benzo(b)fluoranthene      | 23.885 | 252  | 87482    | 10.507 | ng    | # 90     |
| 89) Benzo(k)fluoranthene      | 23.885 | 252  | 87482    | 11.264 | ng    | # 94     |
| 90) Benzo(a)pyrene            | 24.761 | 252  | 60111    | 7.977  | ng    | # 87     |
| 92) Benzo(g,h,i)perylene      | 29.783 | 276  | 24735    | 3.272  | ng    | # 78     |
| -----                         |        |      |          |        |       |          |

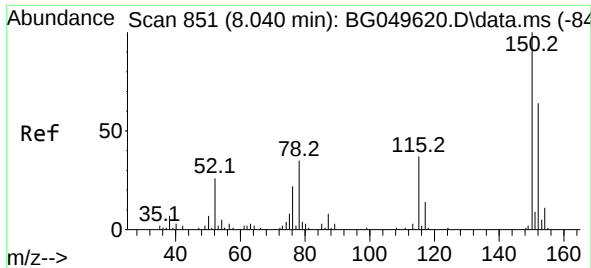
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG082521\  
Data File : BG049974.D  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Aug 23 16:13:24 2021  
Response via : Initial Calibration

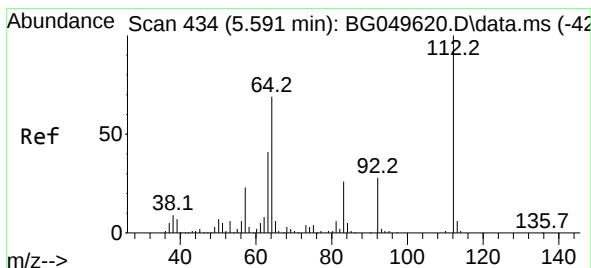
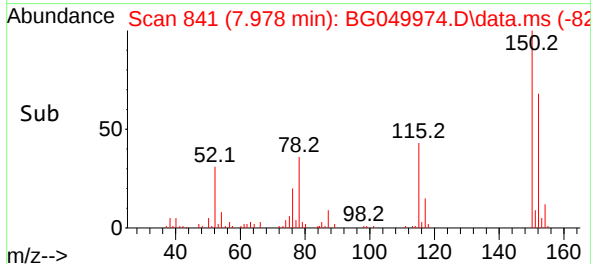
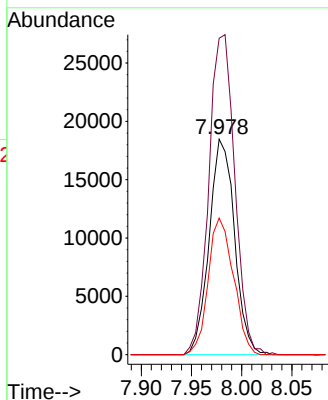
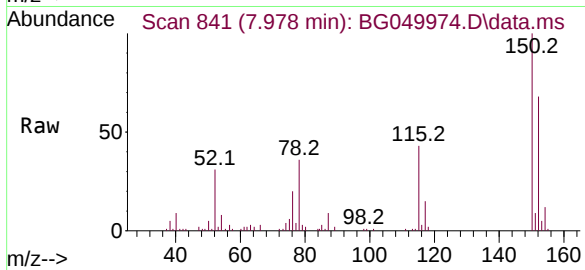




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.978 min Scan# 841  
Delta R.T. -0.008 min  
Lab File: BG049974.D  
Acq: 25 Aug 2021 18:59

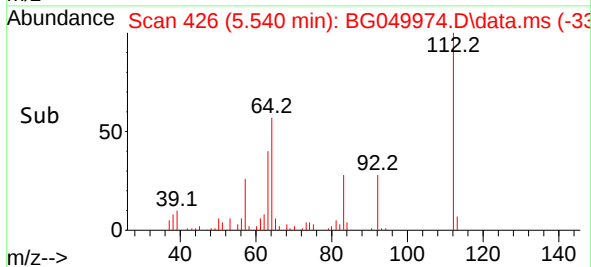
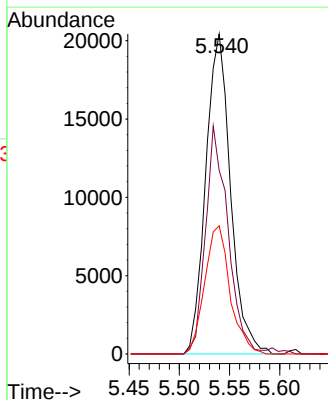
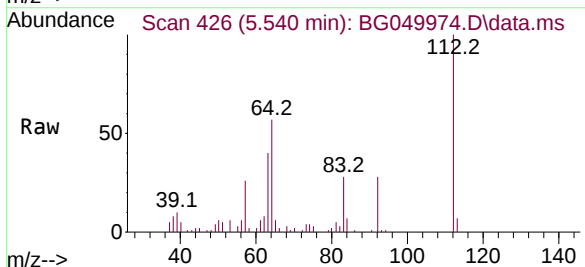
Instrument :  
BNA\_G  
ClientSampleId :  
PL-01-082421

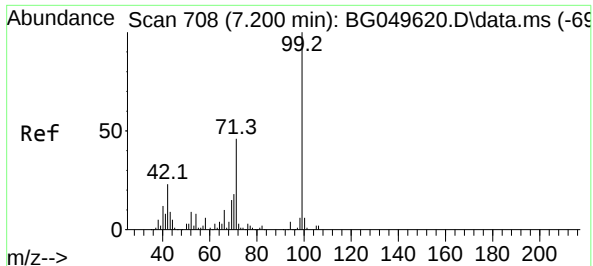
Tgt Ion:152 Resp: 32473  
Ion Ratio Lower Upper  
152 100  
150 146.8 119.4 179.0  
115 63.4 60.2 90.4



#5  
2-Fluorophenol  
Concen: 19.395 ng  
RT: 5.540 min Scan# 426  
Delta R.T. 0.003 min  
Lab File: BG049974.D  
Acq: 25 Aug 2021 18:59

Tgt Ion:112 Resp: 35134  
Ion Ratio Lower Upper  
112 100  
64 57.4 46.7 70.1  
63 40.0 35.3 52.9

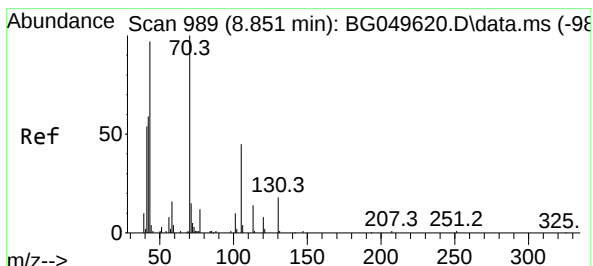
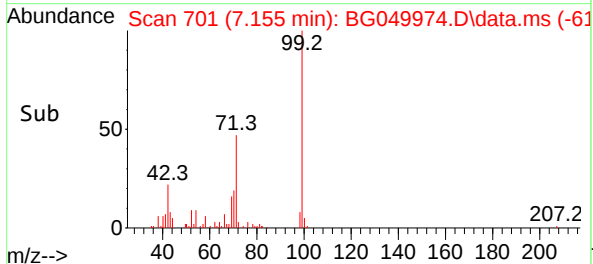
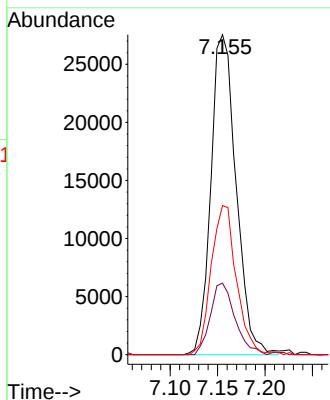
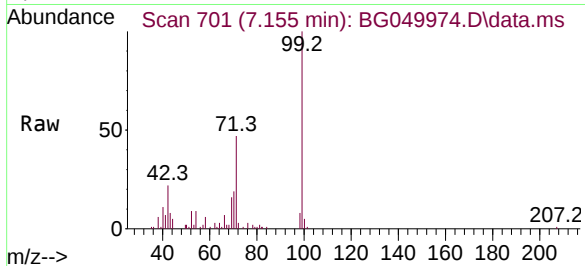




#7  
Phenol-d6  
Concen: 18.619 ng  
RT: 7.155 min Scan# 701  
Delta R.T. -0.003 min  
Lab File: BG049974.D  
Acq: 25 Aug 2021 18:59

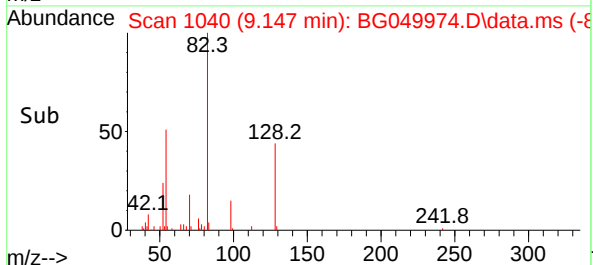
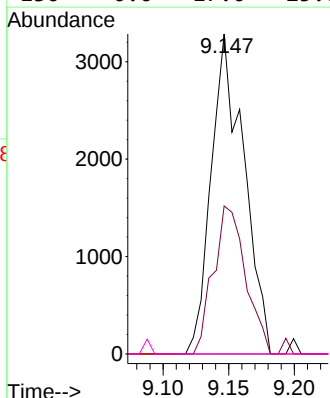
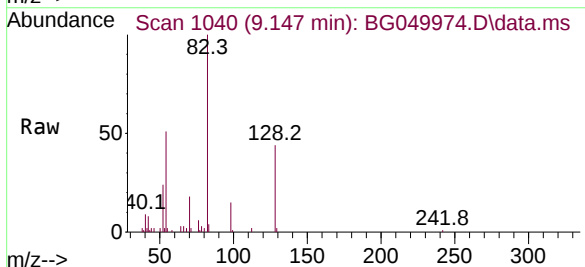
Instrument :  
BNA\_G  
ClientSampleId :  
PL-01-082421

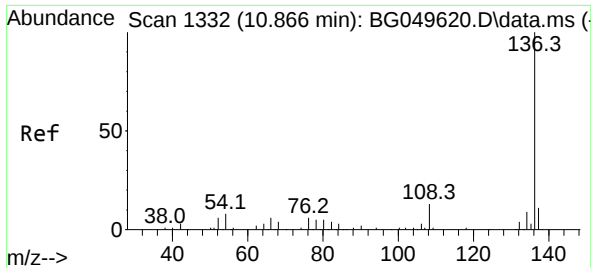
Tgt Ion: 99 Resp: 51057  
Ion Ratio Lower Upper  
99 100  
42 22.3 20.5 30.7  
71 46.6 41.5 62.3



#19  
n-Nitroso-di-n-propylamine  
Concen: 3.096 ng  
RT: 9.147 min Scan# 1040  
Delta R.T. 0.350 min  
Lab File: BG049974.D  
Acq: 25 Aug 2021 18:59

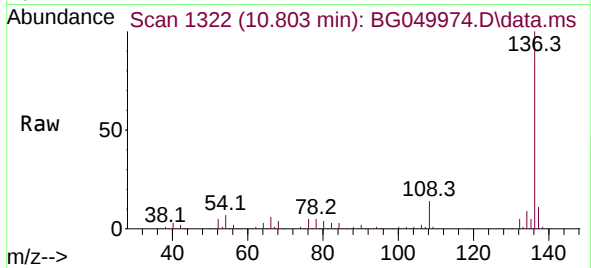
Tgt Ion: 70 Resp: 5681  
Ion Ratio Lower Upper  
70 100  
42 46.2 54.5 81.7#  
101 0.0 9.0 13.6#  
130 0.0 17.0 25.6#



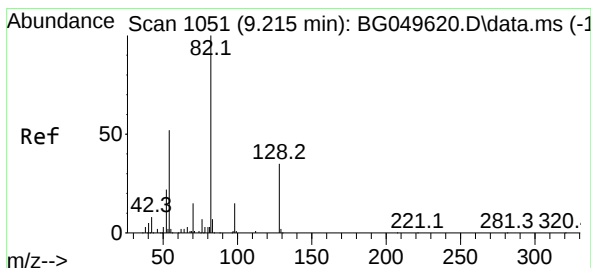
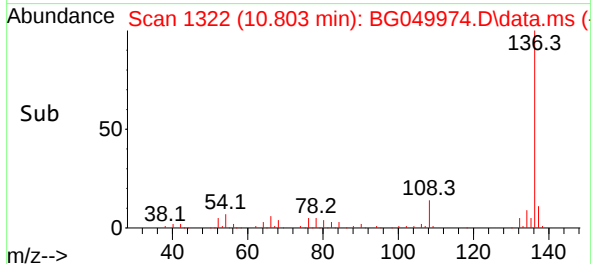
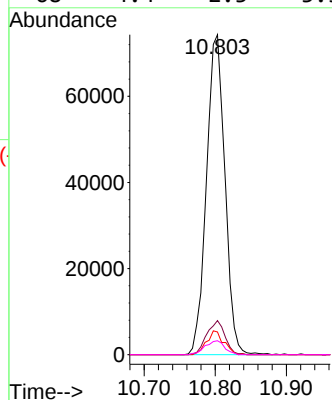


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.803 min Scan# 1322  
Delta R.T. -0.008 min  
Lab File: BG049974.D  
Acq: 25 Aug 2021 18:59

Instrument :  
BNA\_G  
ClientSampleId :  
PL-01-082421

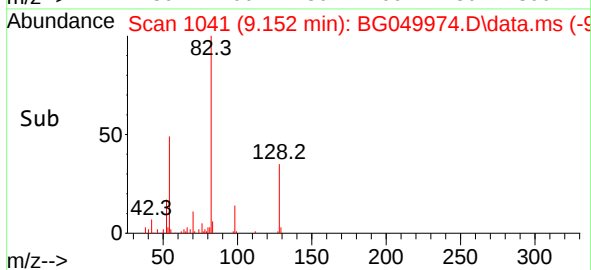
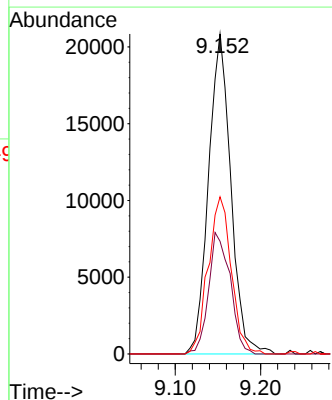
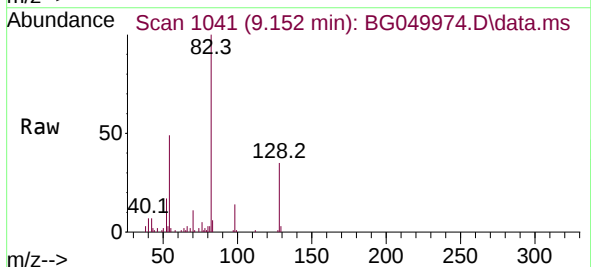


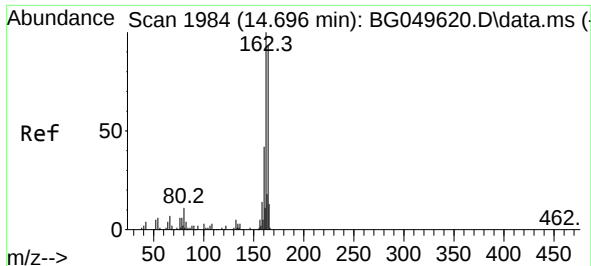
|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 136  | Resp: | 134201 |
| Ion Ratio | 100  | Lower | Upper  |
| 136       | 100  |       |        |
| 137       | 10.6 | 8.2   | 12.2   |
| 54        | 7.1  | 5.5   | 8.3    |
| 68        | 4.4  | 2.3   | 3.5    |



#23  
Nitrobenzene-d5  
Concen: 12.461 ng  
RT: 9.152 min Scan# 1041  
Delta R.T. -0.008 min  
Lab File: BG049974.D  
Acq: 25 Aug 2021 18:59

|           |      |       |       |
|-----------|------|-------|-------|
| Tgt Ion:  | 82   | Resp: | 37790 |
| Ion Ratio | 100  | Lower | Upper |
| 82        | 100  |       |       |
| 128       | 35.2 | 29.8  | 44.6  |
| 54        | 49.1 | 45.8  | 68.8  |

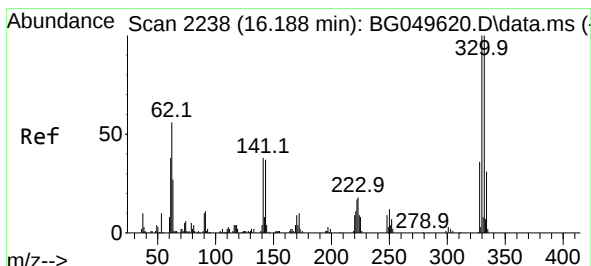
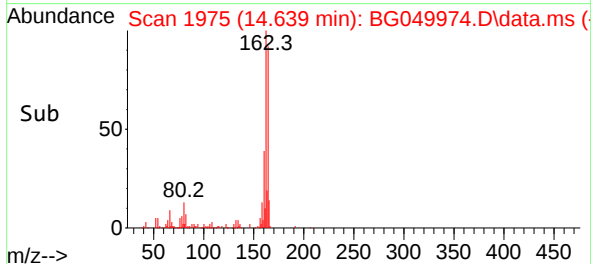
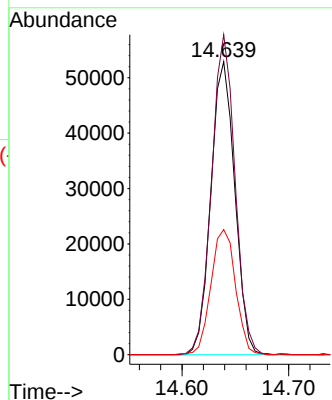
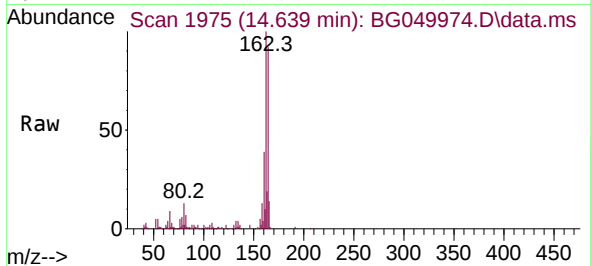




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.639 min Scan# 1975  
Delta R.T. -0.008 min  
Lab File: BG049974.D  
Acq: 25 Aug 2021 18:59

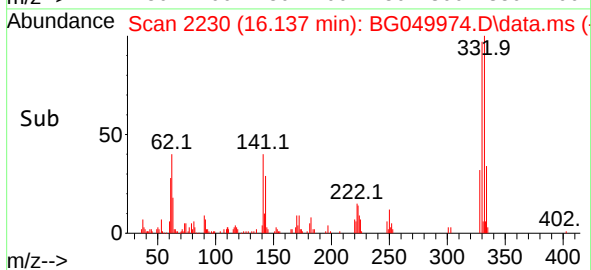
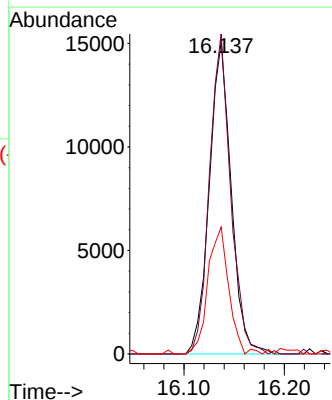
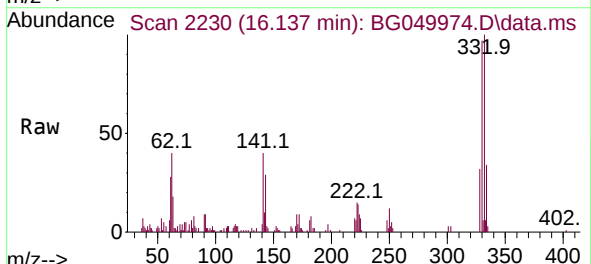
Instrument :  
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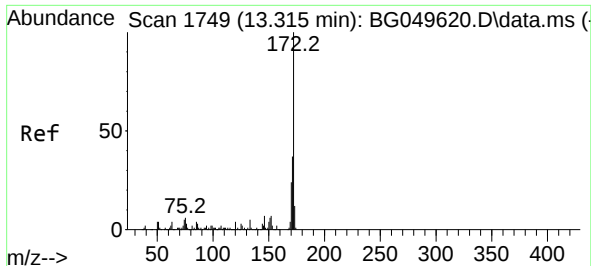
Tgt Ion:164 Resp: 82269  
Ion Ratio Lower Upper  
164 100  
162 109.2 81.4 122.0  
160 42.7 34.9 52.3



#42  
2,4,6-Tribromophenol  
Concen: 18.905 ng  
RT: 16.137 min Scan# 2230  
Delta R.T. -0.008 min  
Lab File: BG049974.D  
Acq: 25 Aug 2021 18:59

Tgt Ion:330 Resp: 22861  
Ion Ratio Lower Upper  
330 100  
332 99.1 77.3 115.9  
141 38.7 35.6 53.4

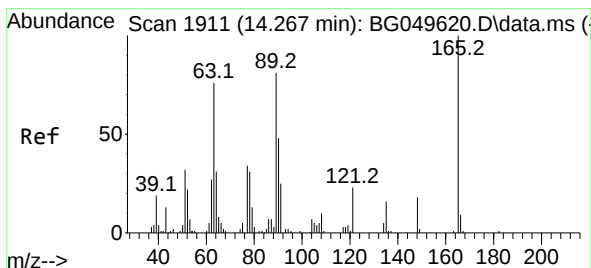
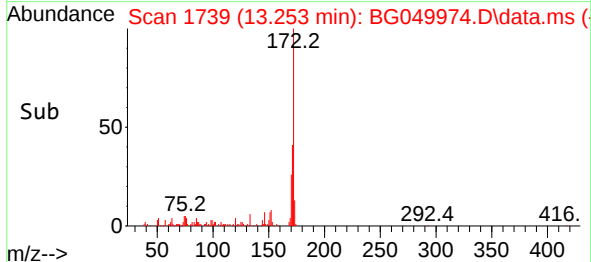
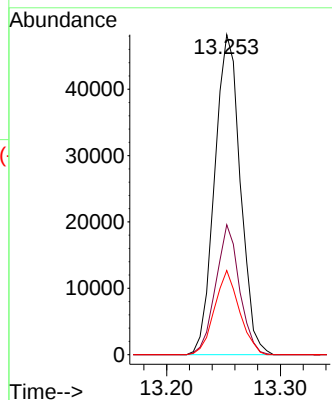
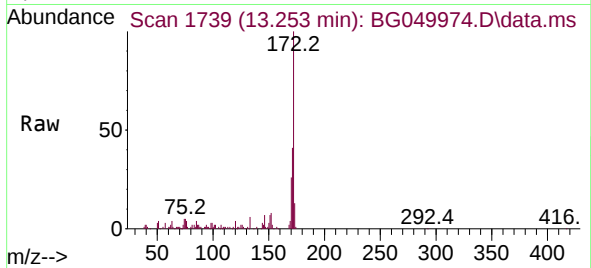




#45  
2-Fluorobiphenyl  
Concen: 13.375 ng  
RT: 13.253 min Scan# 1739  
Delta R.T. -0.008 min  
Lab File: BG049974.D  
Acq: 25 Aug 2021 18:59

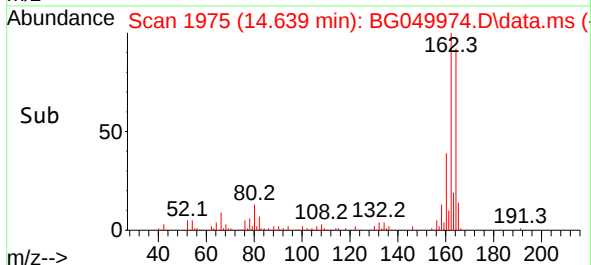
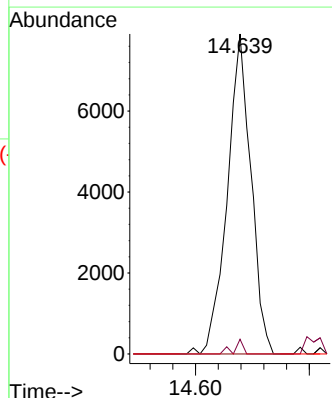
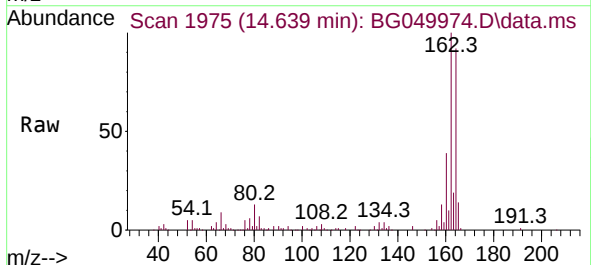
Instrument :  
BNA\_G  
ClientSampleId :  
PL-01-082421

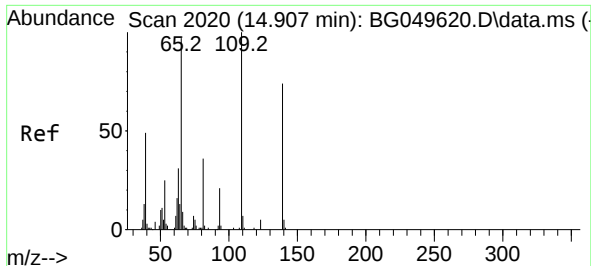
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| Tgt Ion:  | 172   | Resp: | 75620 |
| Ion Ratio | Lower | Upper |       |
| 172       | 100   |       |       |
| 171       | 40.6  | 28.6  | 43.0  |
| 170       | 26.3  | 18.6  | 27.8  |



#51  
2,6-Dinitrotoluene  
Concen: 8.352 ng  
RT: 14.639 min Scan# 1975  
Delta R.T. 0.415 min  
Lab File: BG049974.D  
Acq: 25 Aug 2021 18:59

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 165   | Resp: | 11414 |
| Ion Ratio | Lower | Upper |       |
| 165       | 100   |       |       |
| 63        | 4.6   | 63.3  | 94.9# |
| 89        | 0.0   | 63.4  | 95.0# |

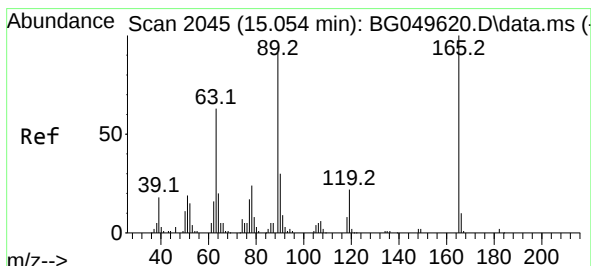
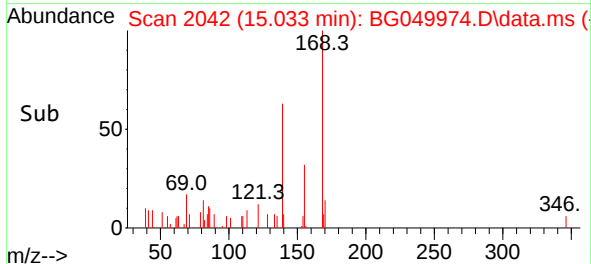
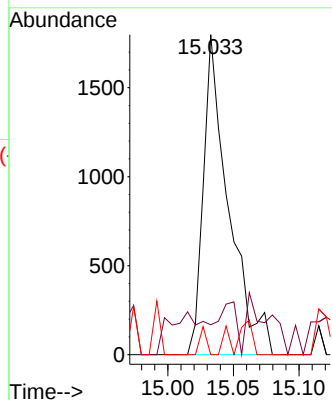
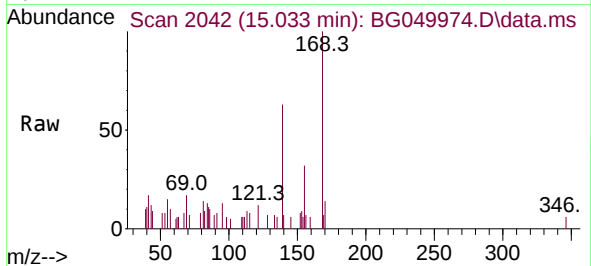




#56  
4-Nitrophenol  
Concen: 2.474 ng  
RT: 15.033 min Scan# 2042  
Delta R.T. 0.144 min  
Lab File: BG049974.D  
Acq: 25 Aug 2021 18:59

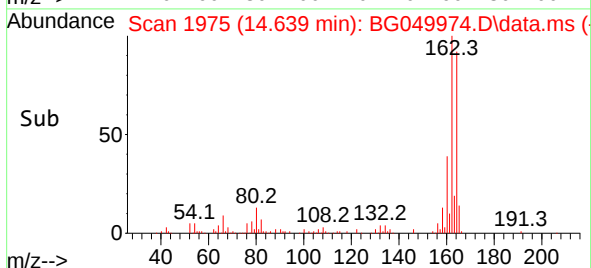
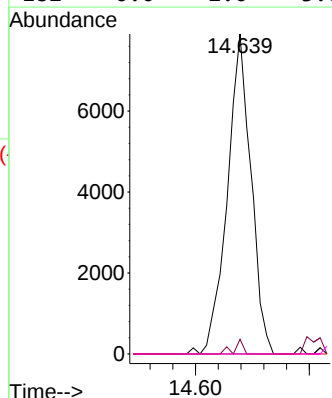
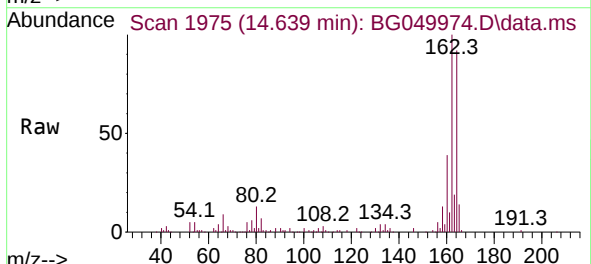
Instrument :  
BNA\_G  
ClientSampleId :  
PL-01-082421

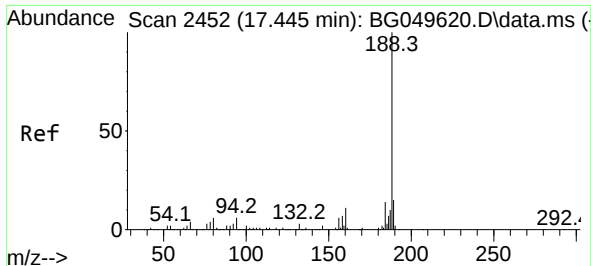
Tgt Ion:139 Resp: 2409  
Ion Ratio Lower Upper  
139 100  
109 9.3 116.3 156.3#  
65 0.0 105.0 145.0#



#57  
2,4-Dinitrotoluene  
Concen: 5.946 ng  
RT: 14.639 min Scan# 1975  
Delta R.T. -0.378 min  
Lab File: BG049974.D  
Acq: 25 Aug 2021 18:59

Tgt Ion:165 Resp: 11414  
Ion Ratio Lower Upper  
165 100  
63 4.6 48.0 72.0#  
89 0.0 65.4 98.0#  
182 0.0 2.0 3.0#

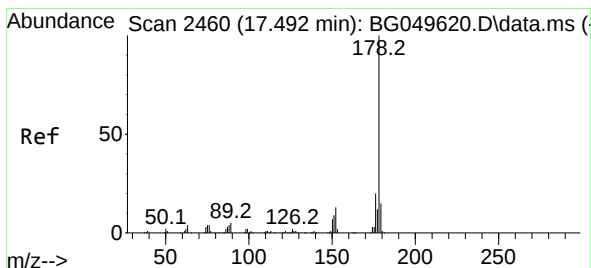
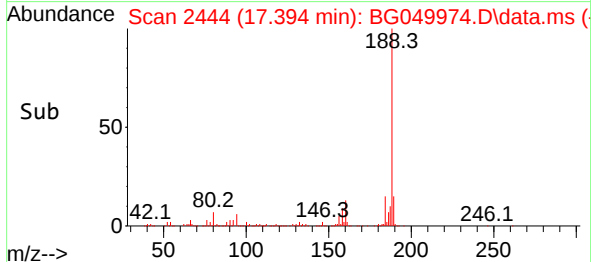
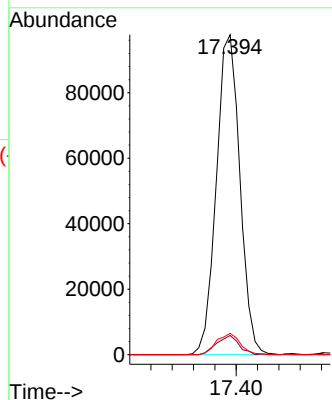
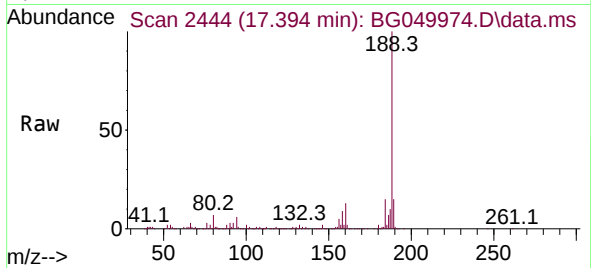




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.394 min Scan# 2444  
Delta R.T. -0.008 min  
Lab File: BG049974.D  
Acq: 25 Aug 2021 18:59

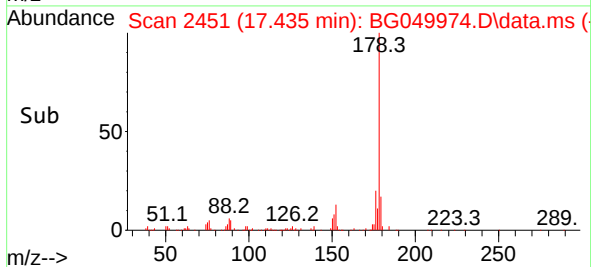
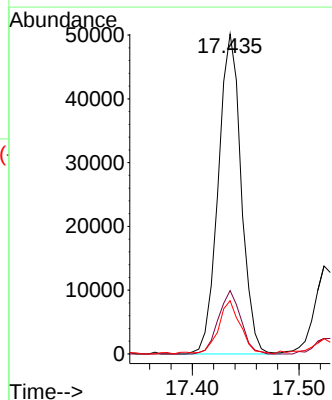
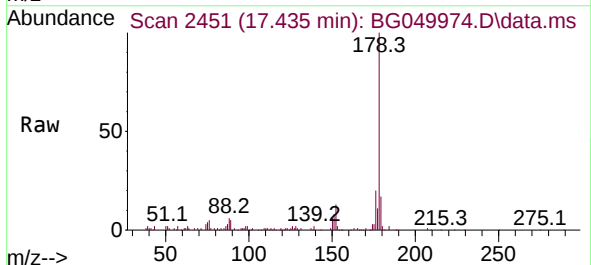
Instrument :  
BNA\_G  
ClientSampleId :  
PL-01-082421

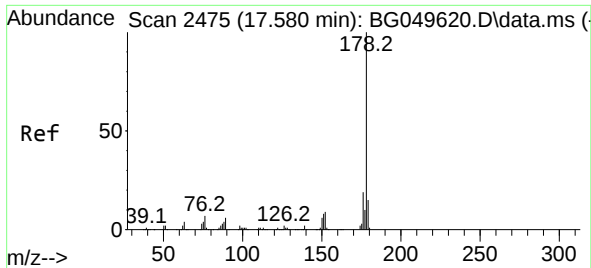
Tgt Ion:188 Resp: 149293  
Ion Ratio Lower Upper  
188 100  
94 6.0 5.4 8.0  
80 6.7 3.7 5.5#



#71  
Phenanthrene  
Concen: 9.526 ng  
RT: 17.435 min Scan# 2451  
Delta R.T. -0.008 min  
Lab File: BG049974.D  
Acq: 25 Aug 2021 18:59

Tgt Ion:178 Resp: 74823  
Ion Ratio Lower Upper  
178 100  
176 19.8 16.0 24.0  
179 16.7 14.2 21.4

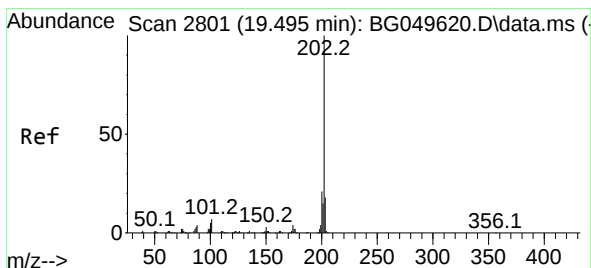
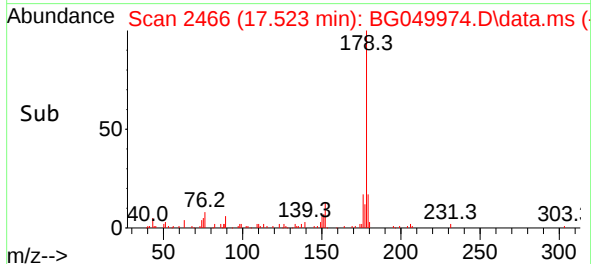
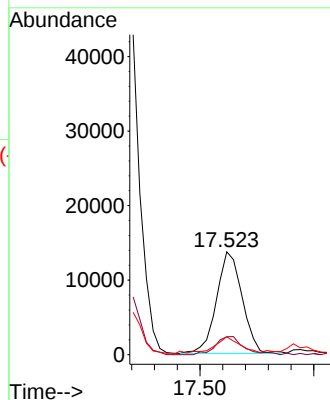
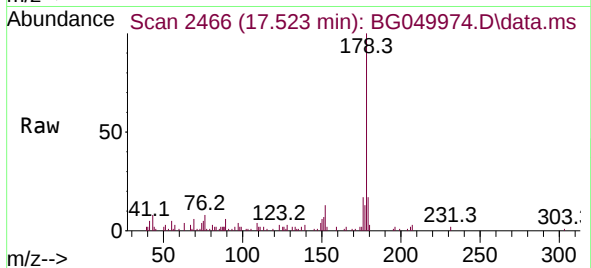




#72  
 Anthracene  
 Concen: 2.777 ng  
 RT: 17.523 min Scan# 2466  
 Delta R.T. -0.014 min  
 Lab File: BG049974.D  
 Acq: 25 Aug 2021 18:59

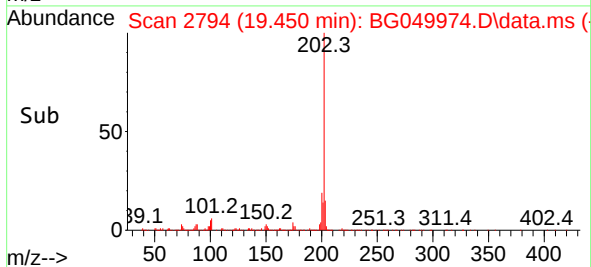
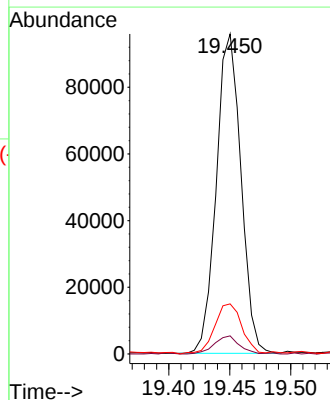
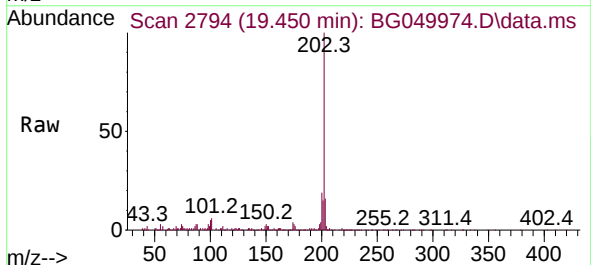
Instrument :  
 BNA\_G  
 ClientSampleID :  
 PL-01-082421

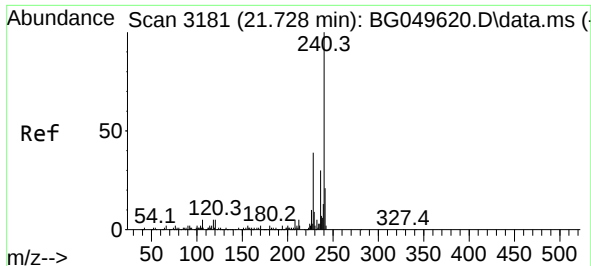
Tgt Ion:178 Resp: 21419  
 Ion Ratio Lower Upper  
 178 100  
 176 17.5 14.6 21.8  
 179 17.4 13.4 20.0



#75  
 Fluoranthene  
 Concen: 13.918 ng  
 RT: 19.450 min Scan# 2794  
 Delta R.T. -0.008 min  
 Lab File: BG049974.D  
 Acq: 25 Aug 2021 18:59

Tgt Ion:202 Resp: 134523  
 Ion Ratio Lower Upper  
 202 100  
 101 5.6 0.0 24.7  
 203 15.7 0.0 38.5

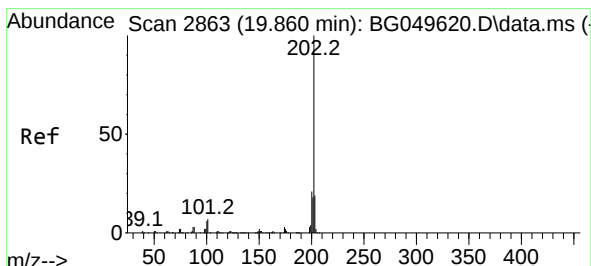
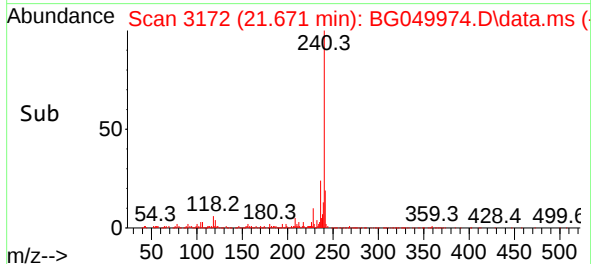
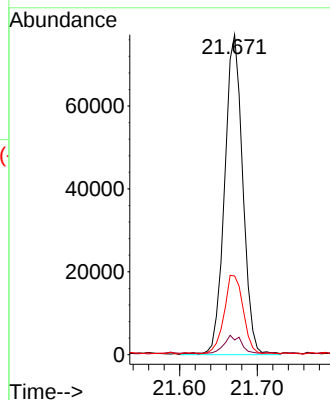
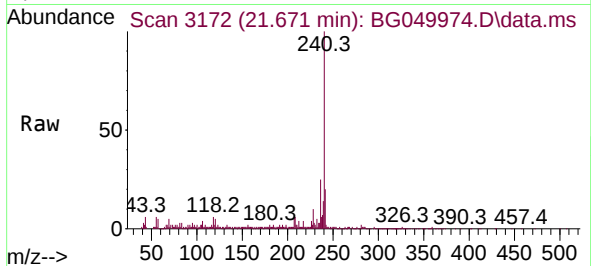




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.671 min Scan# 3172  
Delta R.T. -0.008 min  
Lab File: BG049974.D  
Acq: 25 Aug 2021 18:59

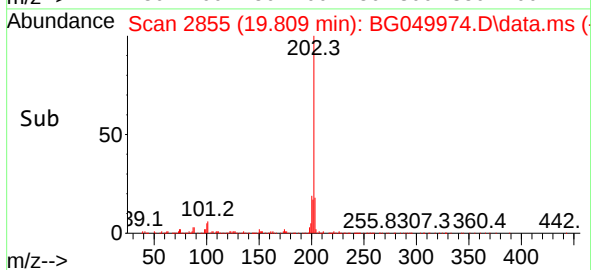
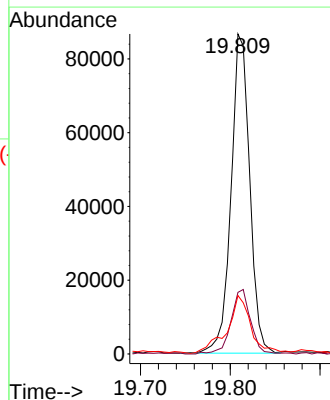
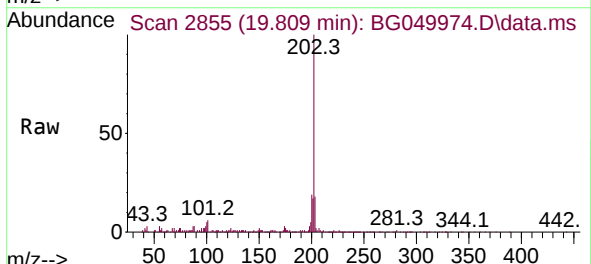
Instrument :  
BNA\_G  
ClientSampleId :  
PL-01-082421

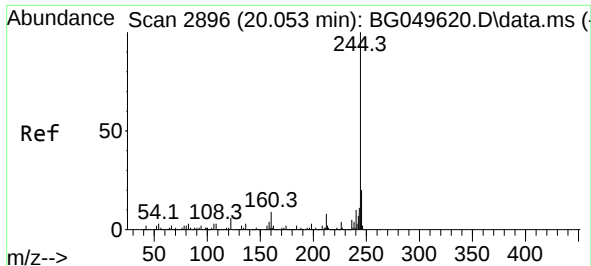
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 240   | Resp: | 125786 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 4.6   | 4.2   | 6.2    |
| 236       | 24.6  | 21.8  | 32.6   |



#78  
Pyrene  
Concen: 14.566 ng  
RT: 19.809 min Scan# 2855  
Delta R.T. -0.008 min  
Lab File: BG049974.D  
Acq: 25 Aug 2021 18:59

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 124908 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 200       | 19.3  | 15.8  | 23.8   |
| 203       | 18.2  | 14.6  | 21.8   |

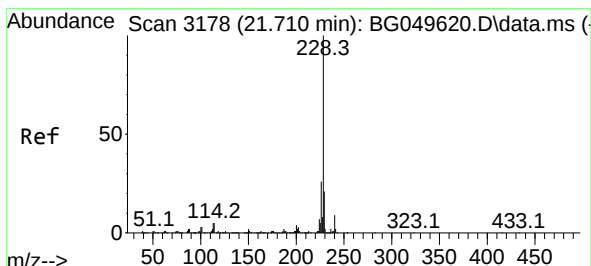
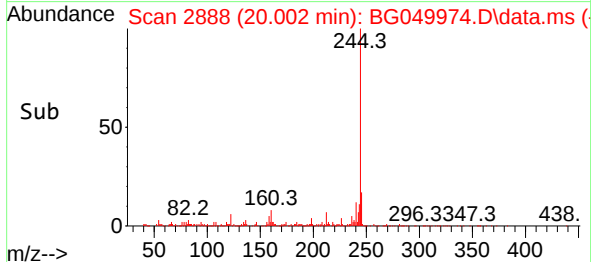
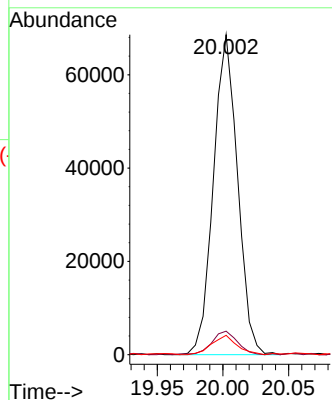
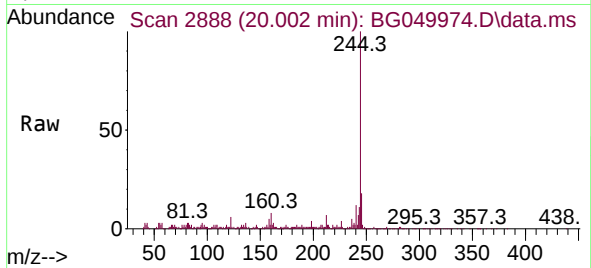




#79  
 Terphenyl-d14  
 Concen: 12.656 ng  
 RT: 20.002 min Scan# 2888  
 Delta R.T. -0.008 min  
 Lab File: BG049974.D  
 Acq: 25 Aug 2021 18:59

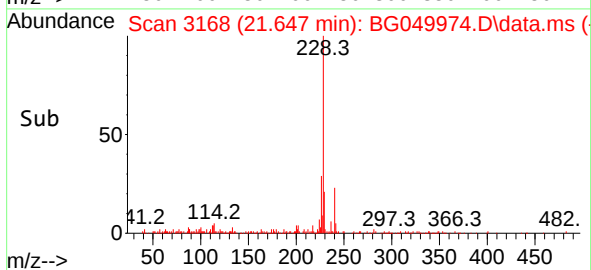
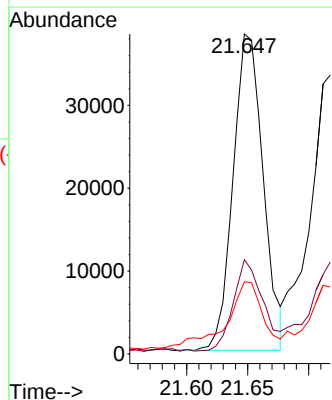
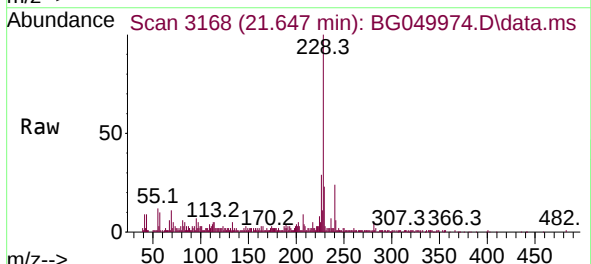
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PL-01-082421

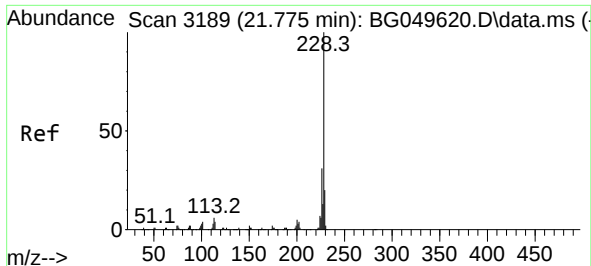
|             |       |          |
|-------------|-------|----------|
| Tgt Ion:244 | Resp: | 87650    |
| Ion Ratio   | Lower | Upper    |
| 244         | 100   |          |
| 212         | 7.4   | 6.9 10.3 |
| 122         | 6.1   | 5.0 7.6  |



#81  
 Benzo(a)anthracene  
 Concen: 7.998 ng  
 RT: 21.647 min Scan# 3168  
 Delta R.T. -0.008 min  
 Lab File: BG049974.D  
 Acq: 25 Aug 2021 18:59

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:228 | Resp: | 65519     |
| Ion Ratio   | Lower | Upper     |
| 228         | 100   |           |
| 226         | 29.4  | 22.7 34.1 |
| 229         | 22.6  | 16.0 24.0 |

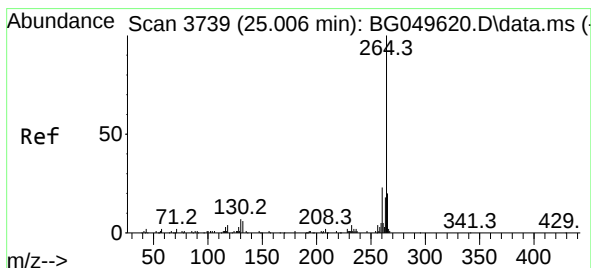
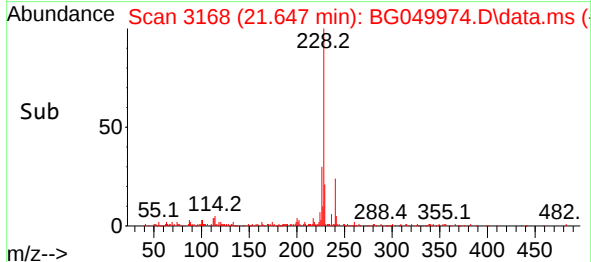
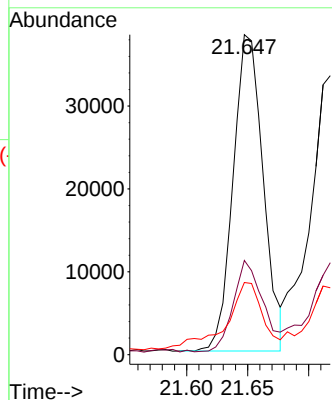
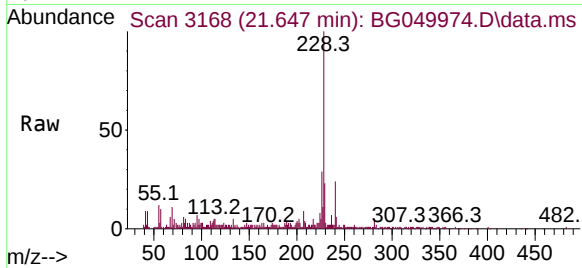




#83  
Chrysene  
Concen: 8.367 ng  
RT: 21.647 min Scan# 3168  
Delta R.T. -0.079 min  
Lab File: BG049974.D  
Acq: 25 Aug 2021 18:59

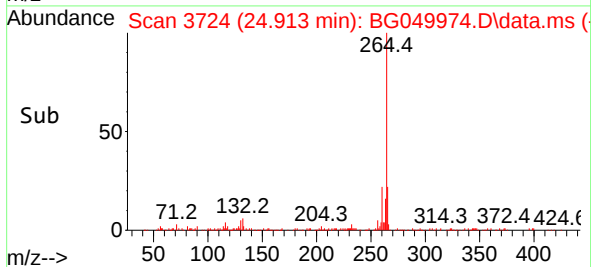
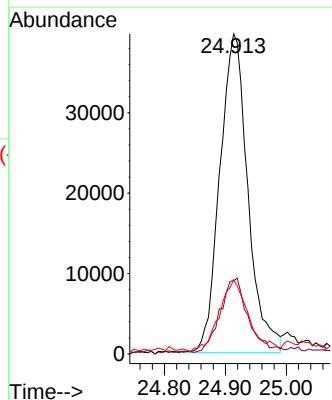
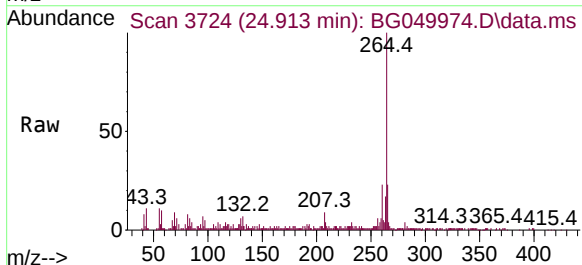
Instrument :  
BNA\_G  
ClientSampleId :  
PL-01-082421

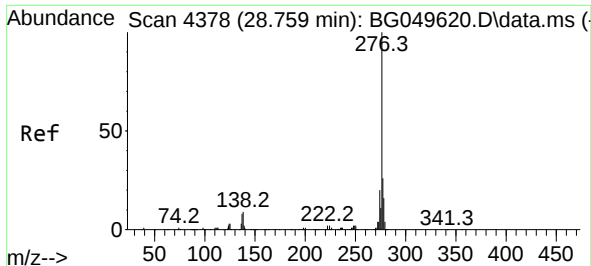
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 65519 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 29.4  | 23.1  | 34.7  |
| 229       | 22.6  | 15.3  | 22.9  |



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 24.913 min Scan# 3724  
Delta R.T. -0.008 min  
Lab File: BG049974.D  
Acq: 25 Aug 2021 18:59

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 264   | Resp: | 126953 |
| Ion Ratio | Lower | Upper |        |
| 264       | 100   |       |        |
| 260       | 22.8  | 19.4  | 29.2   |
| 265       | 23.2  | 16.9  | 25.3   |

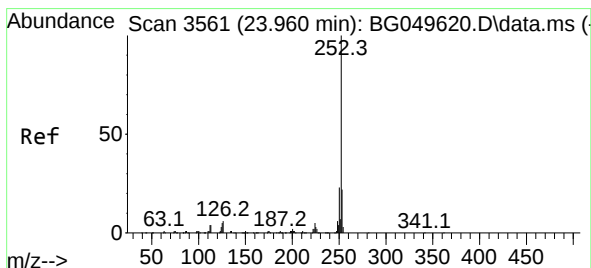
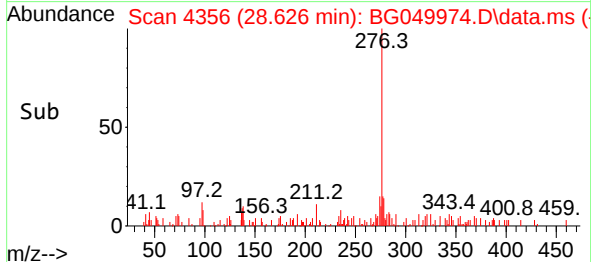
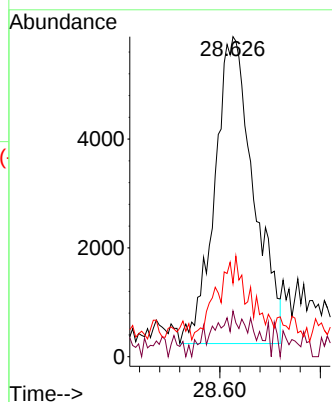
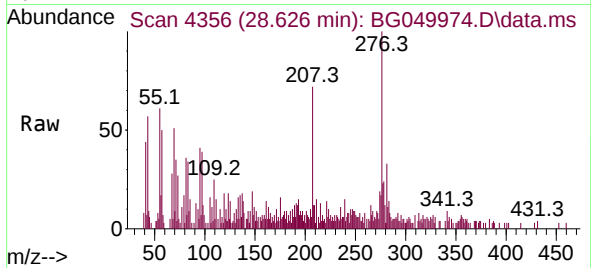




#87  
 Indeno(1,2,3-cd)pyrene  
 Concen: 3.315 ng  
 RT: 28.626 min Scan# 4356  
 Delta R.T. -0.020 min  
 Lab File: BG049974.D  
 Acq: 25 Aug 2021 18:59

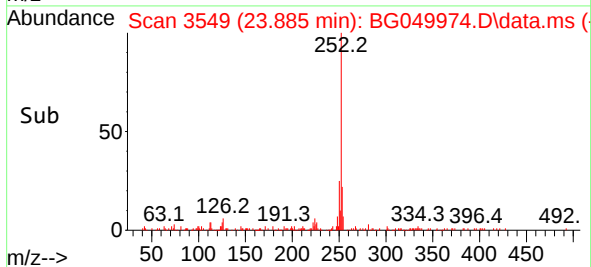
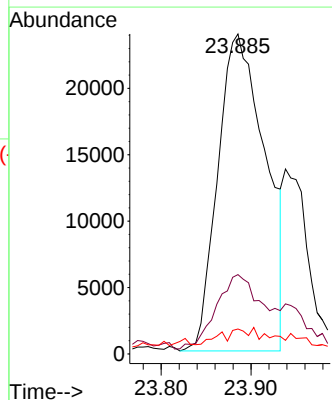
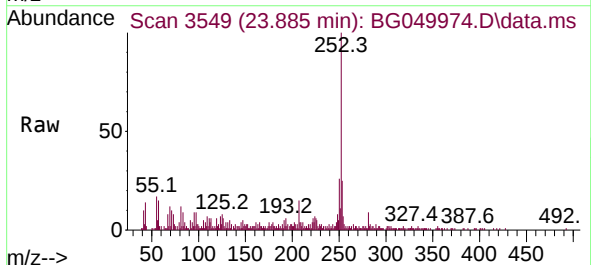
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PL-01-082421

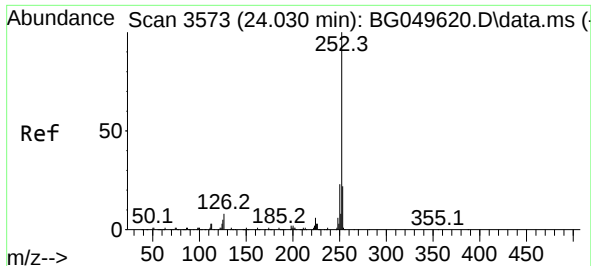
Tgt Ion:276 Resp: 30349  
 Ion Ratio Lower Upper  
 276 100  
 138 3.0 5.1 7.7#  
 277 9.6 19.8 29.6#



#88  
 Benzo(b)fluoranthene  
 Concen: 10.507 ng  
 RT: 23.885 min Scan# 3549  
 Delta R.T. -0.008 min  
 Lab File: BG049974.D  
 Acq: 25 Aug 2021 18:59

Tgt Ion:252 Resp: 87482  
 Ion Ratio Lower Upper  
 252 100  
 253 24.8 16.2 24.4#  
 125 7.8 3.0 4.4#

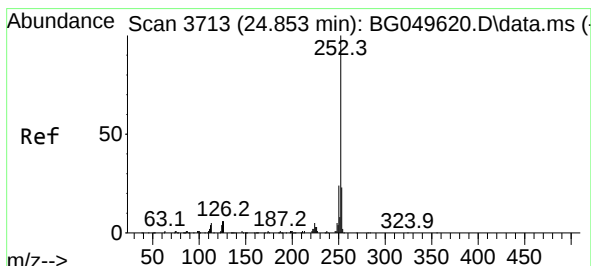
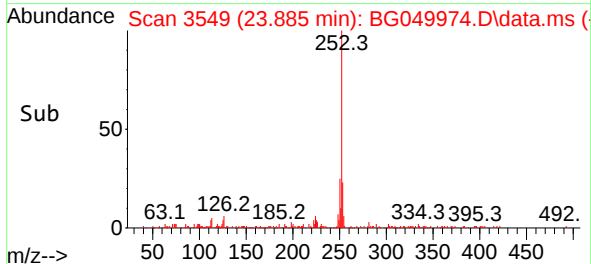
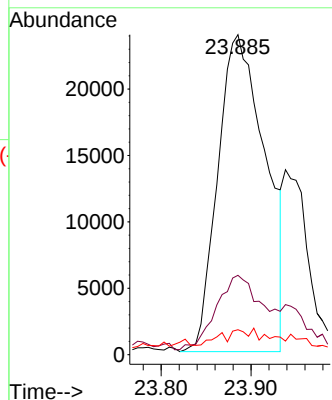
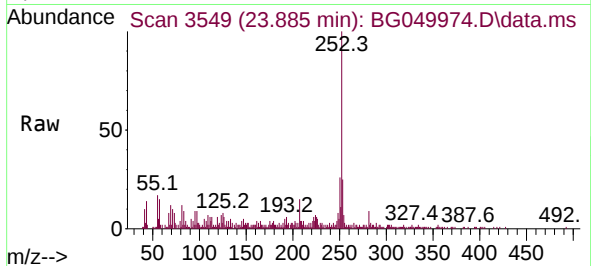




#89  
Benzo(k)fluoranthene  
Concen: 11.264 ng  
RT: 23.885 min Scan# 3549  
Delta R.T. -0.073 min  
Lab File: BG049974.D  
Acq: 25 Aug 2021 18:59

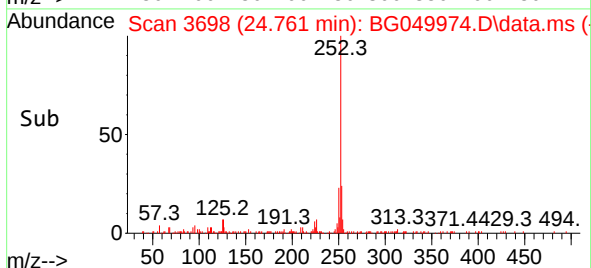
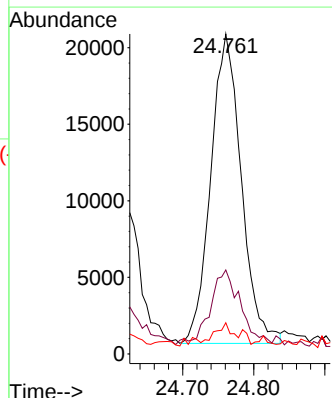
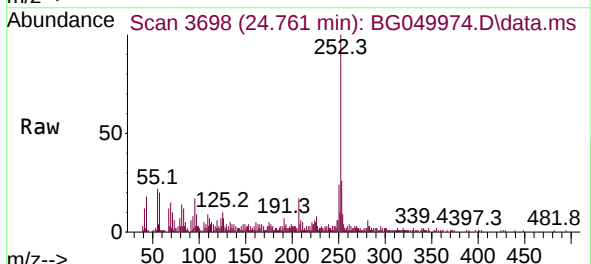
Instrument :  
BNA\_G  
ClientSampleId :  
PL-01-082421

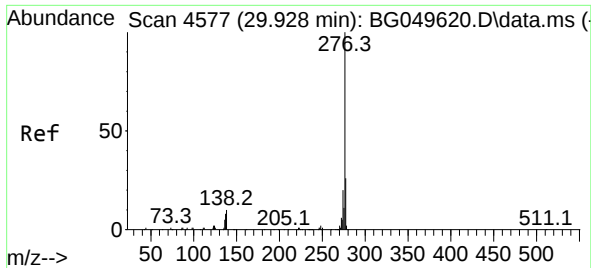
Tgt Ion:252 Resp: 87482  
Ion Ratio Lower Upper  
252 100  
253 24.8 18.0 27.0  
125 7.8 3.1 4.7#



#90  
Benzo(a)pyrene  
Concen: 7.977 ng  
RT: 24.761 min Scan# 3698  
Delta R.T. -0.014 min  
Lab File: BG049974.D  
Acq: 25 Aug 2021 18:59

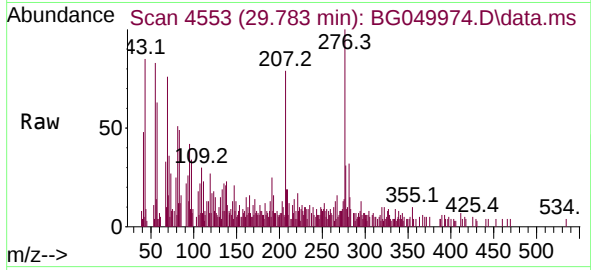
Tgt Ion:252 Resp: 60111  
Ion Ratio Lower Upper  
252 100  
253 26.3 16.6 25.0#  
125 9.8 3.5 5.3#





#92  
Benzo(g,h,i)perylene  
Concen: 3.272 ng  
RT: 29.783 min Scan# 4553  
Delta R.T. -0.032 min  
Lab File: BG049974.D  
Acq: 25 Aug 2021 18:59

Instrument :  
BNA\_G  
ClientSampleId :  
PL-01-082421



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 24735 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 277       | 30.5  | 18.4  | 27.6# |
| 138       | 23.2  | 7.0   | 10.6# |

