

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG081221\  
 Data File : BG049815.D  
 Acq On : 12 Aug 2021 12:59  
 Operator : CG/JU  
 Sample : M3333-07  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 124027

Quant Time: Aug 12 13:36:04 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG080321.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 03 15:15:33 2021  
 Response via : Initial Calibration

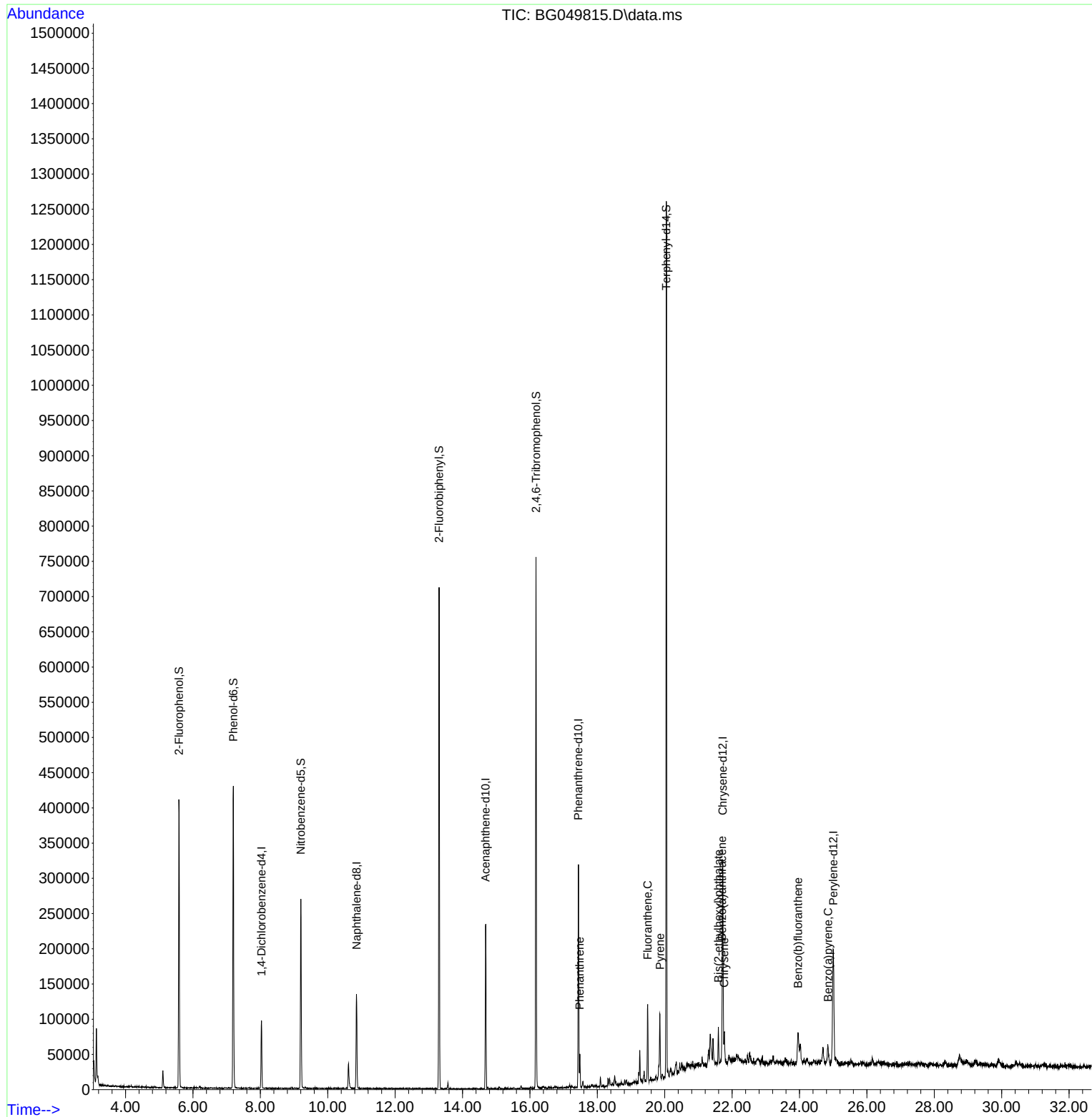
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.033  | 152  | 26122    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.853 | 136  | 110563   | 20.000  | ng    | #-0.01   |
| 39) Acenaphthene-d10          | 14.683 | 164  | 84114    | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10          | 17.438 | 188  | 194632   | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.721 | 240  | 164499   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 25.004 | 264  | 173237   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.584  | 112  | 166617   | 114.340 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.199  | 99   | 230116   | 104.322 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.202  | 82   | 162462   | 65.023  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 16.181 | 330  | 143977   | 116.452 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.303 | 172  | 355474   | 61.493  | ng    | -0.01    |
| 79) Terphenyl-d14             | 20.046 | 244  | 583387   | 64.411  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 71) Phenanthrene              | 17.479 | 178  | 28629    | 2.796   | ng    | 99       |
| 75) Fluoranthene              | 19.494 | 202  | 70994    | 5.634   | ng    | 95       |
| 78) Pyrene                    | 19.858 | 202  | 62368    | 5.561   | ng    | 96       |
| 81) Benzo(a)anthracene        | 21.703 | 228  | 30775    | 2.873   | ng    | 94       |
| 83) Chrysene                  | 21.768 | 228  | 35713    | 3.487   | ng    | 97       |
| 84) Bis(2-ethylhexyl)phtha... | 21.591 | 149  | 19602    | 3.242   | ng    | 93       |
| 88) Benzo(b)fluoranthene      | 23.959 | 252  | 54993    | 4.840   | ng    | # 93     |
| 90) Benzo(a)pyrene            | 24.846 | 252  | 29840    | 2.902   | ng    | # 93     |
| -----                         |        |      |          |         |       |          |

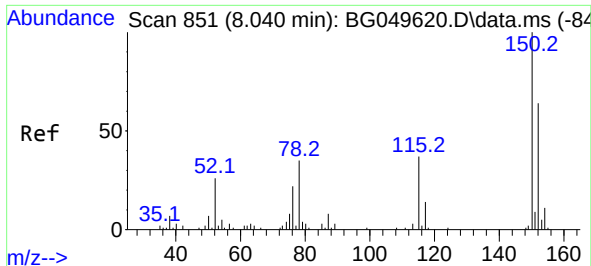
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG081221\  
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG080321.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Aug 03 15:15:33 2021  
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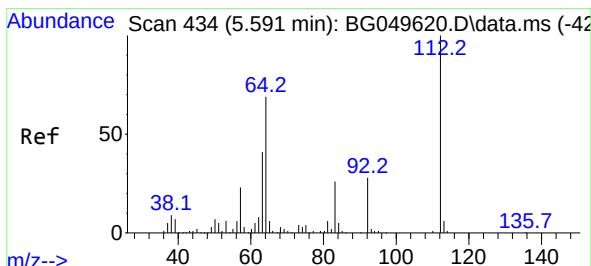
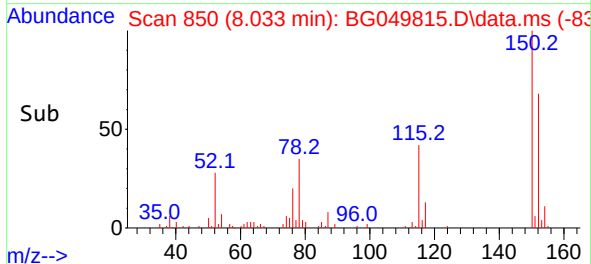
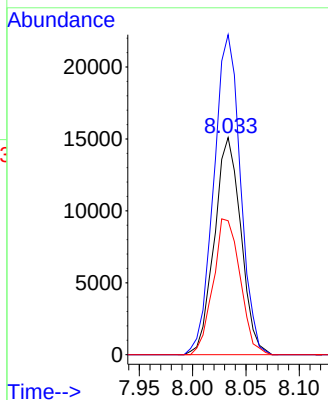
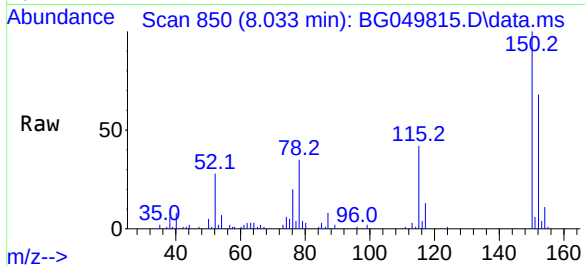




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.033 min Scan# 850  
Delta R.T. -0.007 min  
Lab File: BG049815.D  
Acq: 12 Aug 2021 12:59

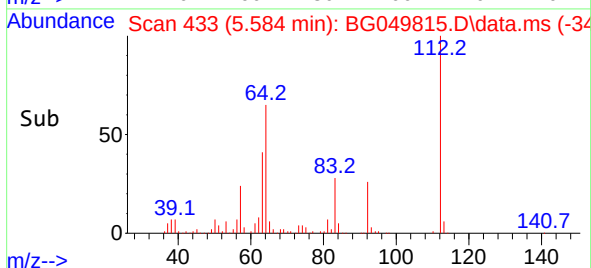
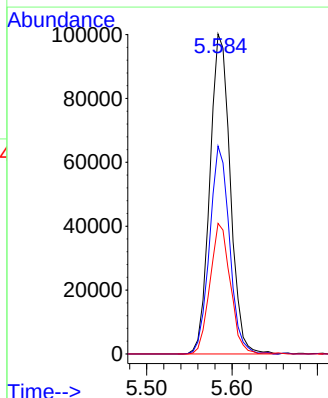
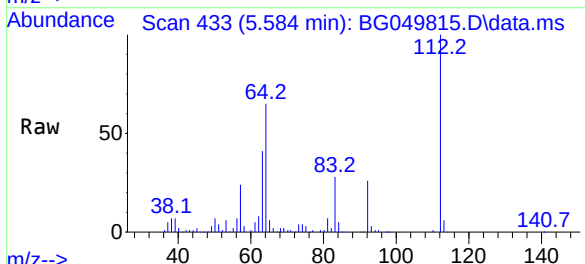
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BNA\_G  
ClientSampleId :  
124027

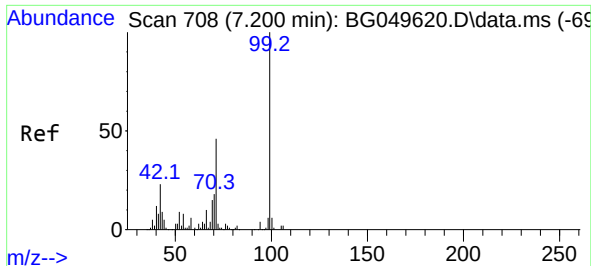
Tgt Ion:152 Resp: 26122  
Ion Ratio Lower Upper  
152 100  
150 147.4 119.4 179.0  
115 61.7 60.2 90.4



#5  
2-Fluorophenol  
Concen: 114.340 ng  
RT: 5.584 min Scan# 433  
Delta R.T. -0.007 min  
Lab File: BG049815.D  
Acq: 12 Aug 2021 12:59

Tgt Ion:112 Resp: 166617  
Ion Ratio Lower Upper  
112 100  
64 65.0 46.7 70.1  
63 40.8 35.3 52.9

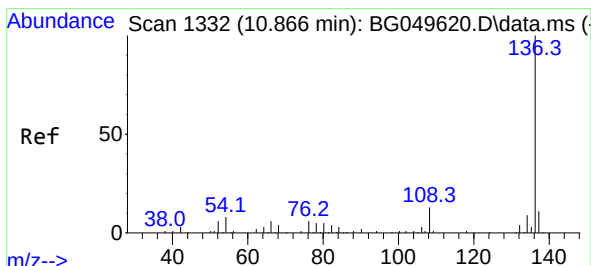
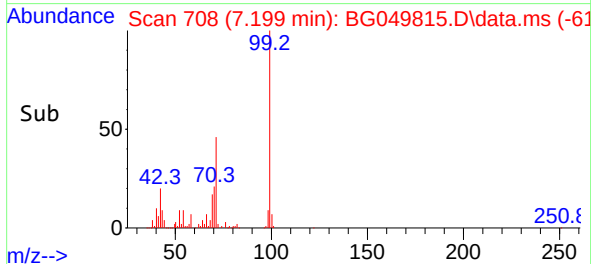
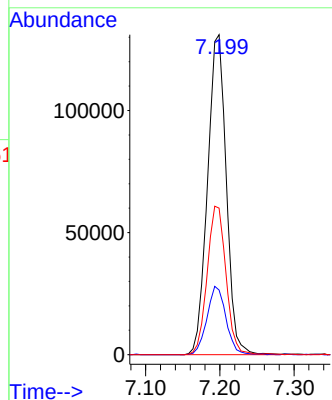
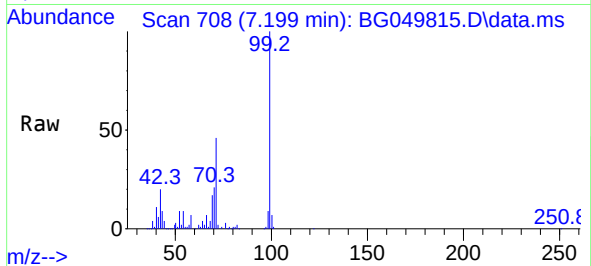




#7  
Phenol-d6  
Concen: 104.322 ng  
RT: 7.199 min Scan# 708  
Delta R.T. -0.001 min  
Lab File: BG049815.D  
Acq: 12 Aug 2021 12:59

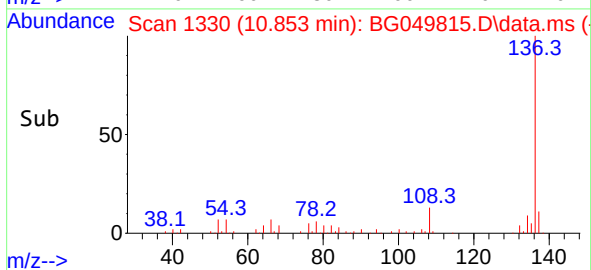
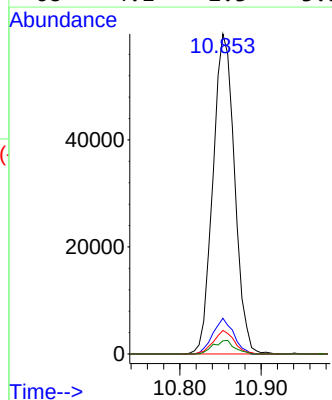
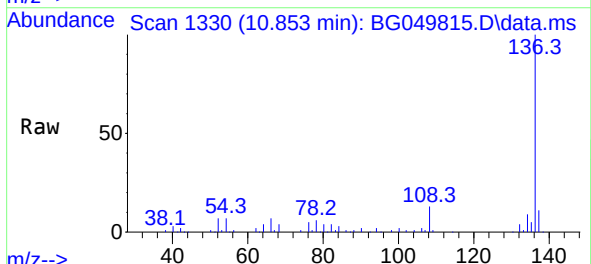
Instrument :  
BNA\_G  
ClientSampleId :  
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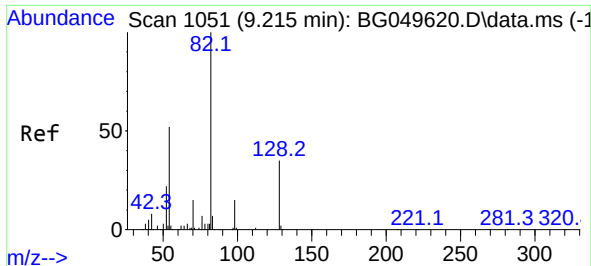
Tgt Ion: 99 Resp: 230116  
Ion Ratio Lower Upper  
99 100  
42 20.2 20.5 30.7#  
71 45.8 41.5 62.3



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.853 min Scan# 1330  
Delta R.T. -0.013 min  
Lab File: BG049815.D  
Acq: 12 Aug 2021 12:59

Tgt Ion:136 Resp: 110563  
Ion Ratio Lower Upper  
136 100  
137 11.2 8.2 12.2  
54 7.3 5.5 8.3  
68 4.1 2.3 3.5#

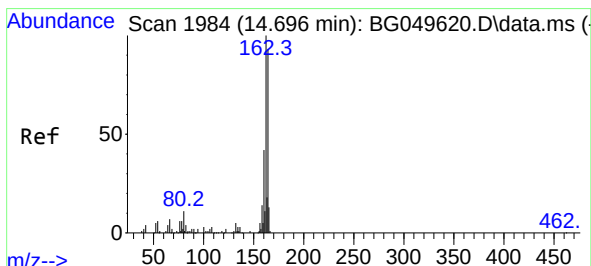
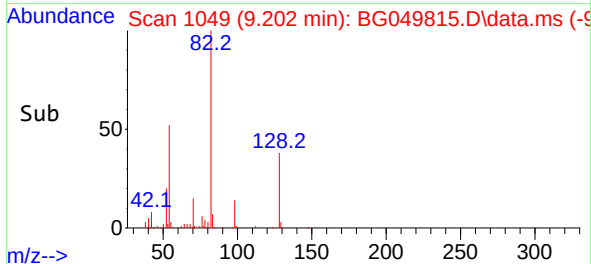
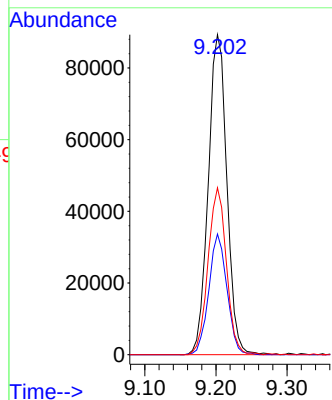
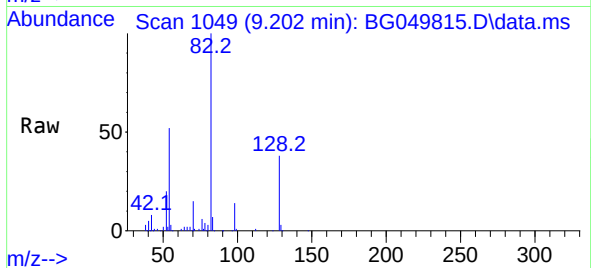




#23  
Nitrobenzene-d5  
Concen: 65.023 ng  
RT: 9.202 min Scan# 1049  
Delta R.T. -0.013 min  
Lab File: BG049815.D  
Acq: 12 Aug 2021 12:59

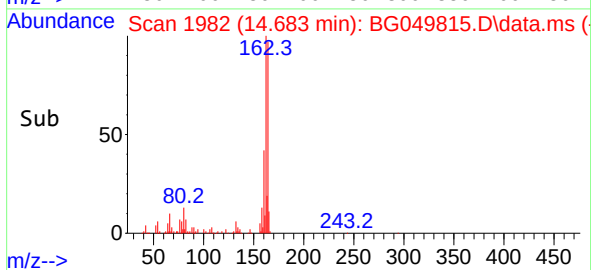
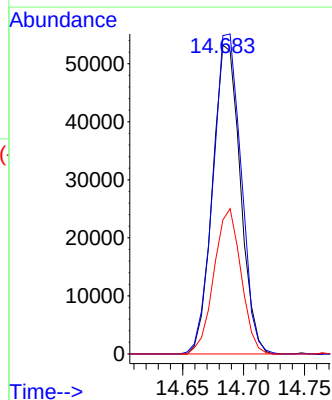
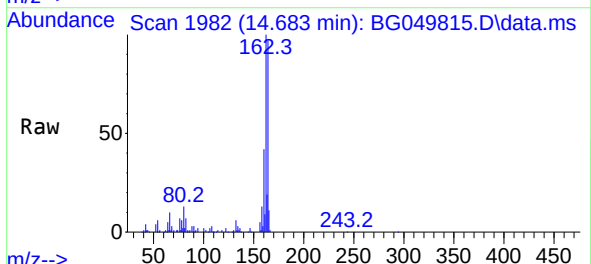
Instrument :  
BNA\_G  
ClientSampleId :  
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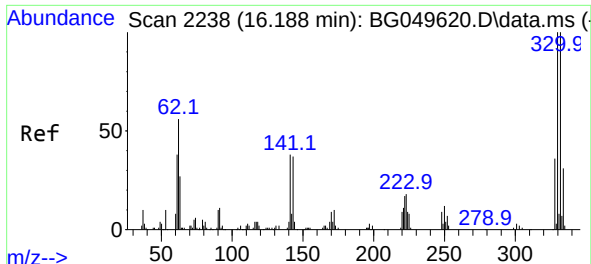
Tgt Ion: 82 Resp: 162462  
Ion Ratio Lower Upper  
82 100  
128 37.7 29.8 44.6  
54 52.1 45.8 68.8



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.683 min Scan# 1982  
Delta R.T. -0.013 min  
Lab File: BG049815.D  
Acq: 12 Aug 2021 12:59

Tgt Ion:164 Resp: 84114  
Ion Ratio Lower Upper  
164 100  
162 103.1 81.4 122.0  
160 43.5 34.9 52.3

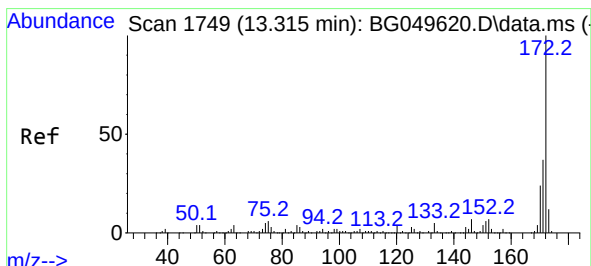
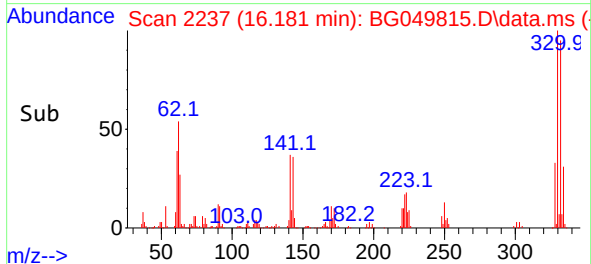
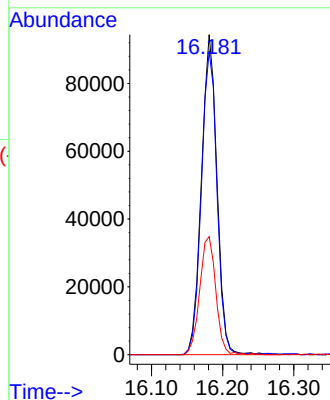
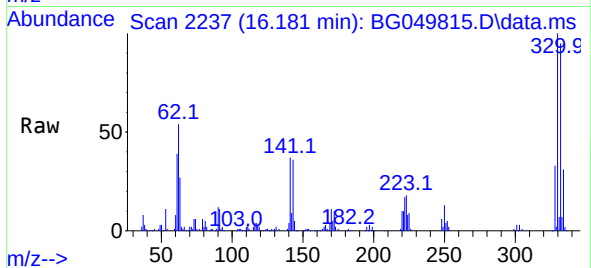




#42  
2,4,6-Tribromophenol  
Concen: 116.452 ng  
RT: 16.181 min Scan# 2237  
Delta R.T. -0.007 min  
Lab File: BG049815.D  
Acq: 12 Aug 2021 12:59

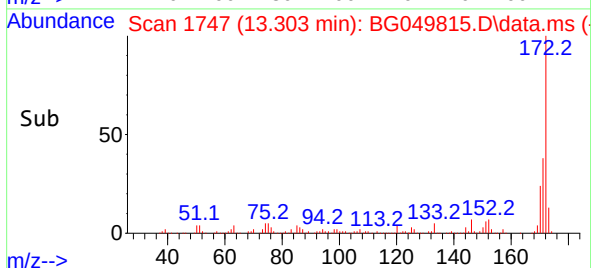
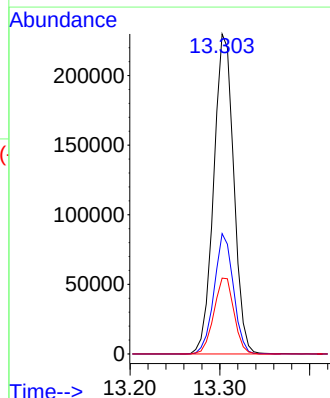
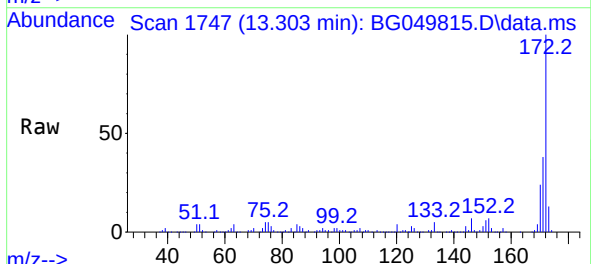
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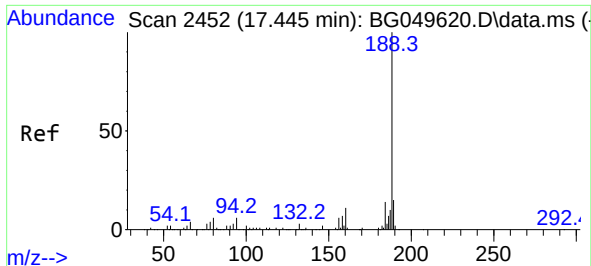
Tgt Ion:330 Resp: 143977  
Ion Ratio Lower Upper  
330 100  
332 95.1 77.3 115.9  
141 38.1 35.6 53.4



#45  
2-Fluorobiphenyl  
Concen: 61.493 ng  
RT: 13.303 min Scan# 1747  
Delta R.T. -0.013 min  
Lab File: BG049815.D  
Acq: 12 Aug 2021 12:59

Tgt Ion:172 Resp: 355474  
Ion Ratio Lower Upper  
172 100  
171 37.6 28.6 43.0  
170 23.7 18.6 27.8

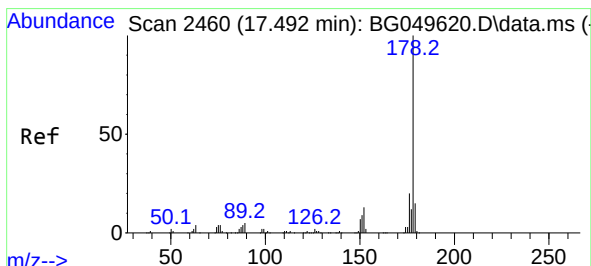
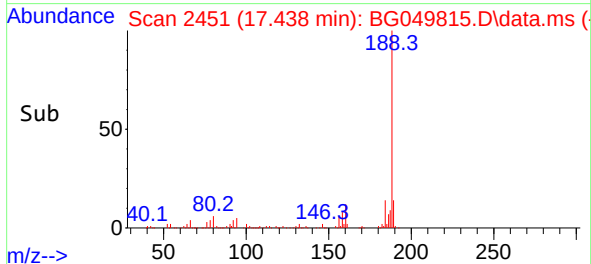
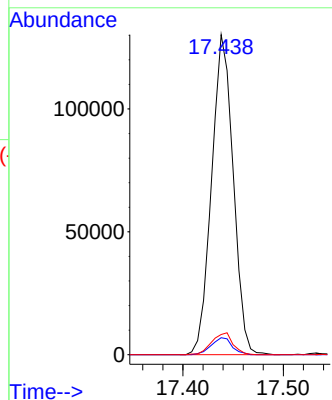
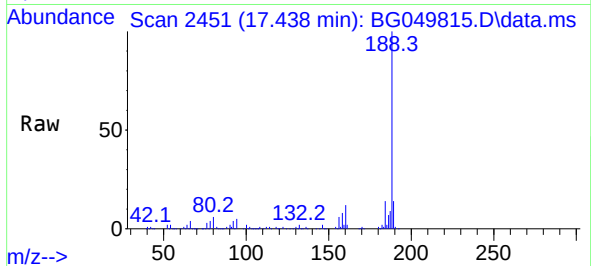




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.438 min Scan# 2451  
Delta R.T. -0.007 min  
Lab File: BG049815.D  
Acq: 12 Aug 2021 12:59

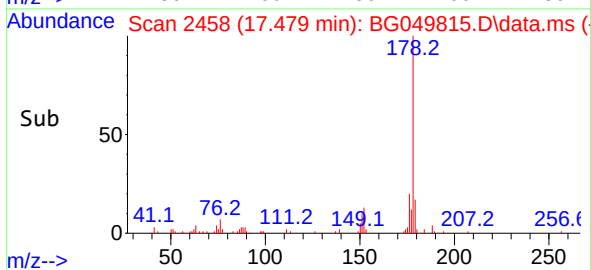
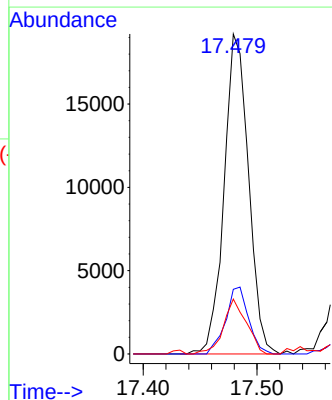
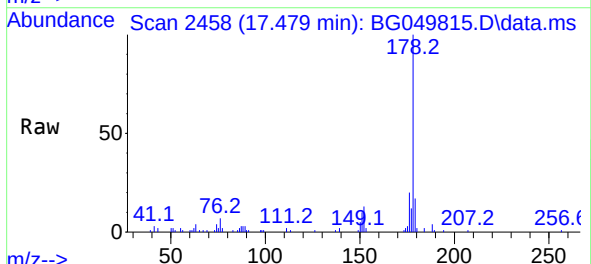
Instrument :  
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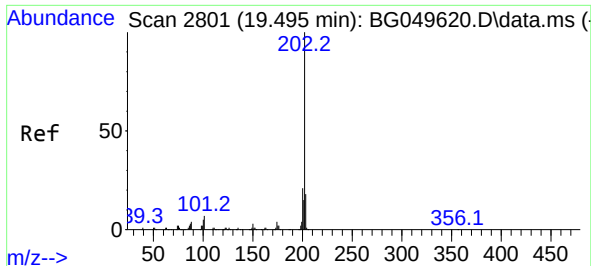
Tgt Ion:188 Resp: 194632  
Ion Ratio Lower Upper  
188 100  
94 5.3 5.4 8.0#  
80 6.3 3.7 5.5#



#71  
Phenanthrene  
Concen: 2.796 ng  
RT: 17.479 min Scan# 2458  
Delta R.T. -0.013 min  
Lab File: BG049815.D  
Acq: 12 Aug 2021 12:59

Tgt Ion:178 Resp: 28629  
Ion Ratio Lower Upper  
178 100  
176 20.2 16.0 24.0  
179 17.2 14.2 21.4

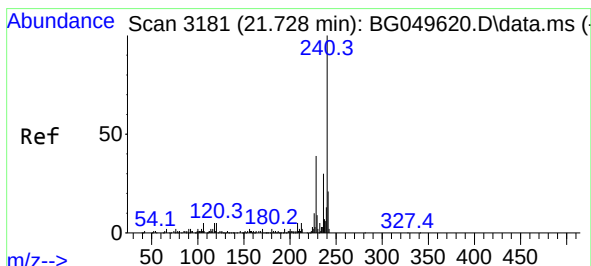
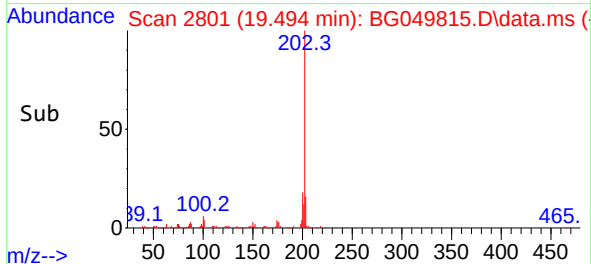
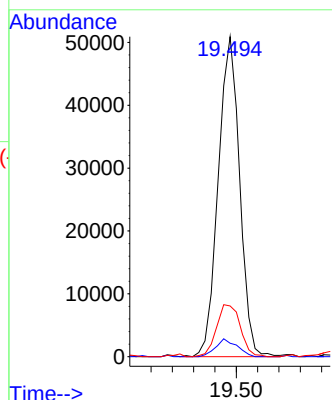
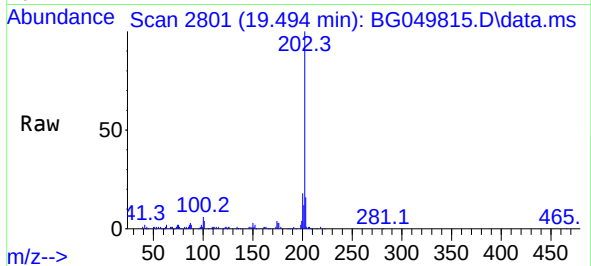




#75  
Fluoranthene  
Concen: 5.634 ng  
RT: 19.494 min Scan# 2801  
Delta R.T. -0.001 min  
Lab File: BG049815.D  
Acq: 12 Aug 2021 12:59

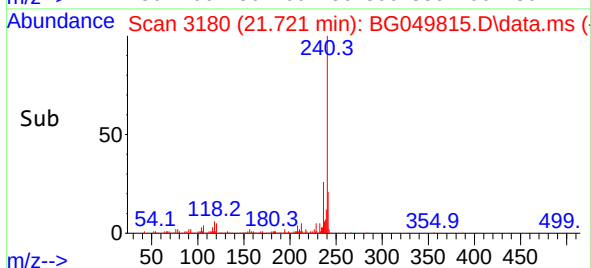
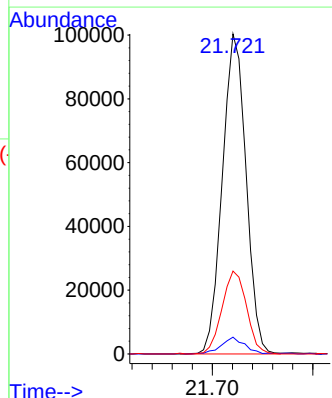
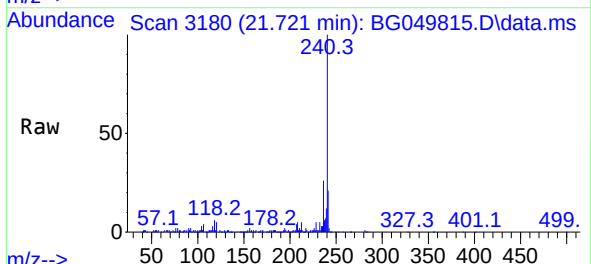
Instrument :  
BNA\_G  
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|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 70994 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 4.2   | 0.0   | 24.7  |
| 203       | 15.9  | 0.0   | 38.5  |

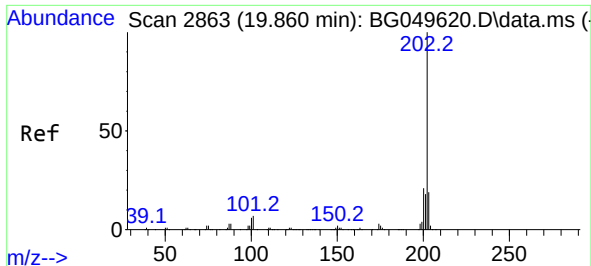


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.721 min Scan# 3180  
Delta R.T. -0.007 min  
Lab File: BG049815.D  
Acq: 12 Aug 2021 12:59

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 240   | Resp: | 164499 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 5.2   | 4.2   | 6.2    |
| 236       | 25.9  | 21.8  | 32.6   |



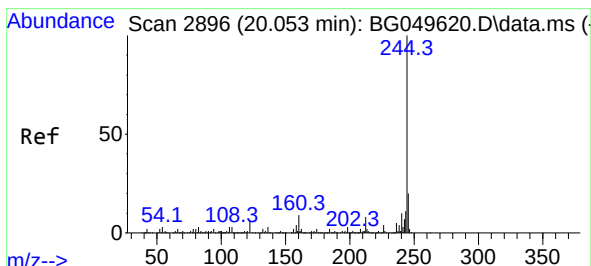
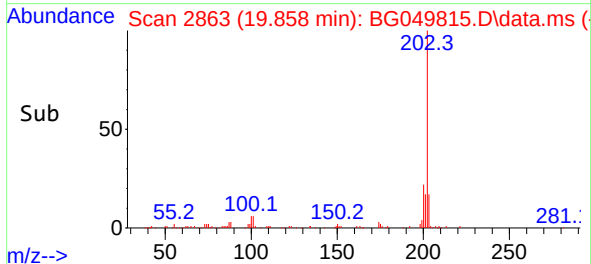
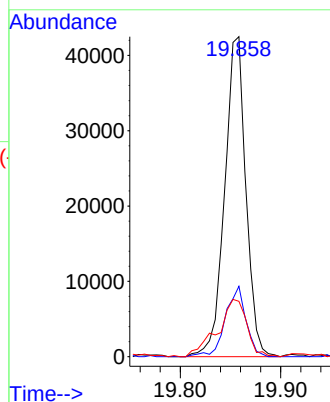
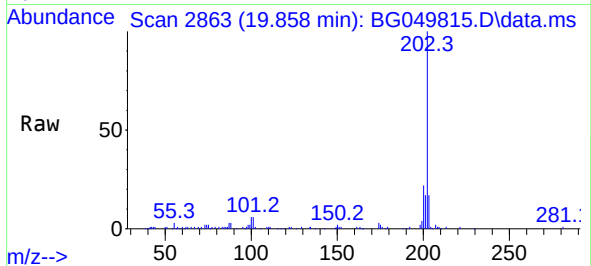




#78  
Pyrene  
Concen: 5.561 ng  
RT: 19.858 min Scan# 2863  
Delta R.T. -0.001 min  
Lab File: BG049815.D  
Acq: 12 Aug 2021 12:59

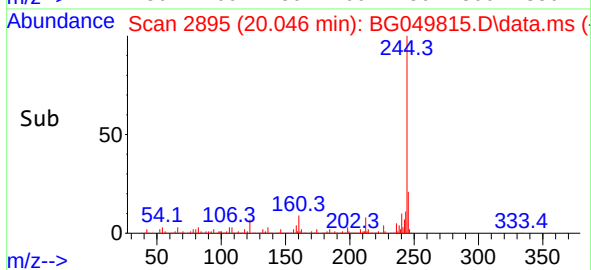
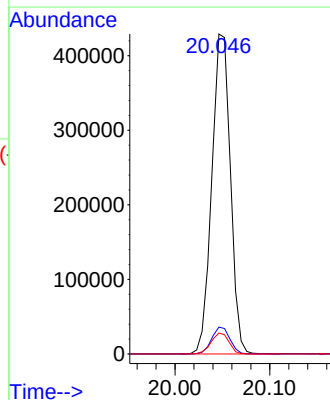
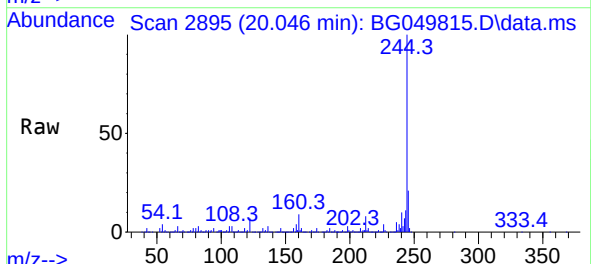
Instrument :  
BNA\_G  
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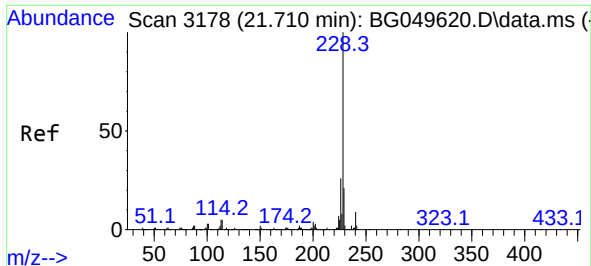
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 202   | Resp: | 62368 |
| Ion      | Ratio | Lower | Upper |
| 202      | 100   |       |       |
| 200      | 22.0  | 15.8  | 23.8  |
| 203      | 17.3  | 14.6  | 21.8  |



#79  
Terphenyl-d14  
Concen: 64.411 ng  
RT: 20.046 min Scan# 2895  
Delta R.T. -0.007 min  
Lab File: BG049815.D  
Acq: 12 Aug 2021 12:59

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 244   | Resp: | 583387 |
| Ion      | Ratio | Lower | Upper  |
| 244      | 100   |       |        |
| 212      | 8.4   | 6.9   | 10.3   |
| 122      | 6.6   | 5.0   | 7.6    |



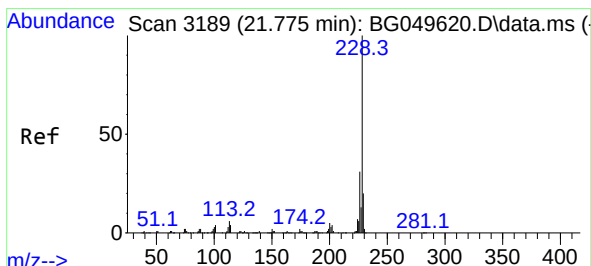
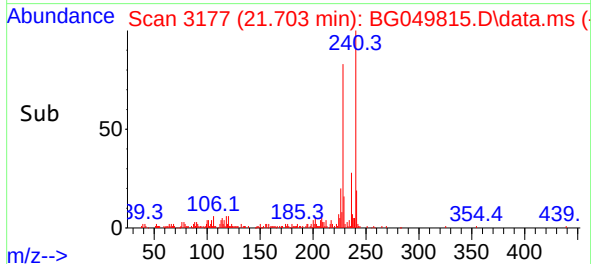
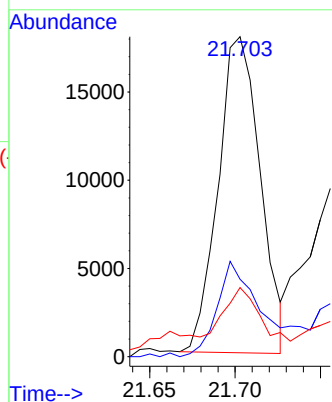
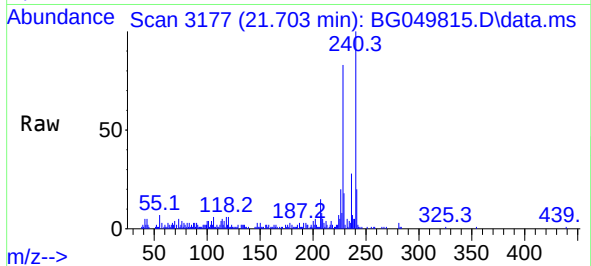


#81  
Benzo(a)anthracene  
Concen: 2.873 ng  
RT: 21.703 min Scan# 3177  
Delta R.T. -0.007 min  
Lab File: BG049815.D  
Acq: 12 Aug 2021 12:59

Instrument :  
BNA\_G  
ClientSampleId :  
124027

Tgt Ion:228 Resp: 30775

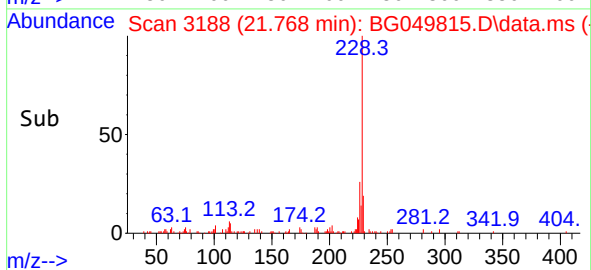
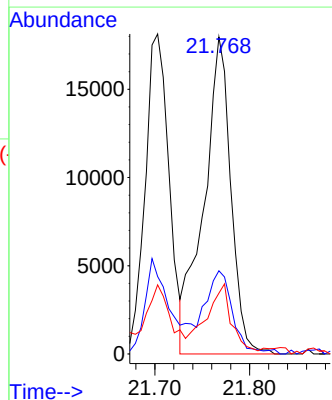
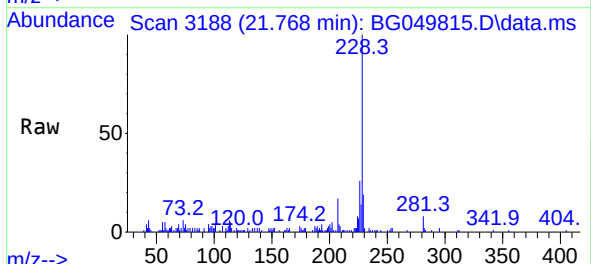
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 24.2  | 22.7  | 34.1  |
| 229 | 21.6  | 16.0  | 24.0  |

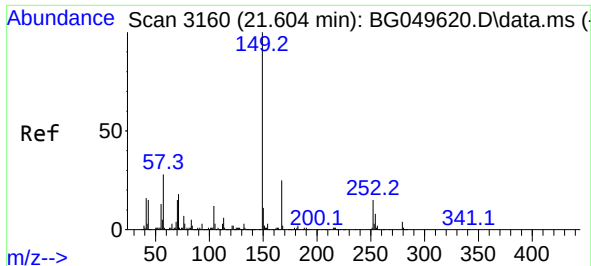


#83  
Chrysene  
Concen: 3.487 ng  
RT: 21.768 min Scan# 3188  
Delta R.T. -0.007 min  
Lab File: BG049815.D  
Acq: 12 Aug 2021 12:59

Tgt Ion:228 Resp: 35713

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 26.3  | 23.1  | 34.7  |
| 229 | 19.2  | 15.3  | 22.9  |

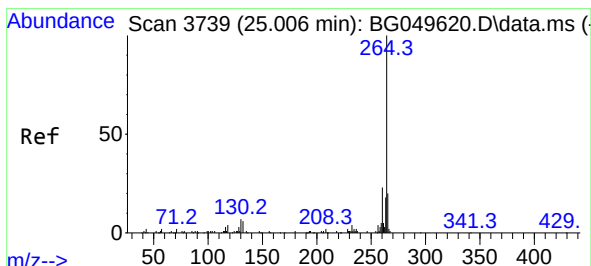
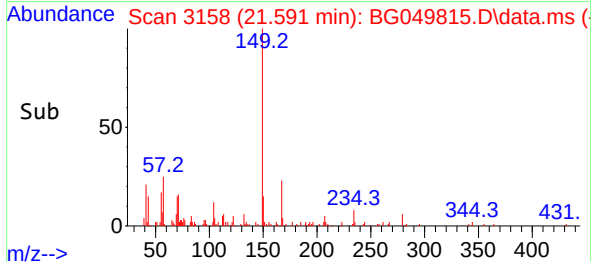
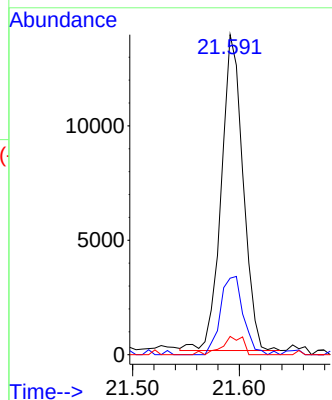
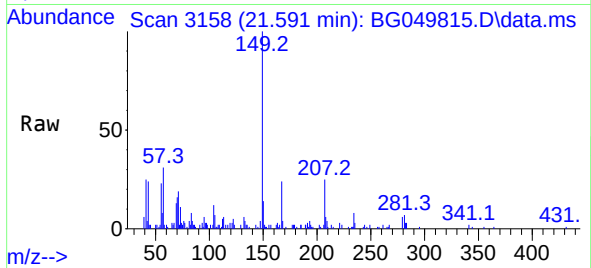




#84  
Bis(2-ethylhexyl)phthalate  
Concen: 3.242 ng  
RT: 21.591 min Scan# 3158  
Delta R.T. -0.013 min  
Lab File: BG049815.D  
Acq: 12 Aug 2021 12:59

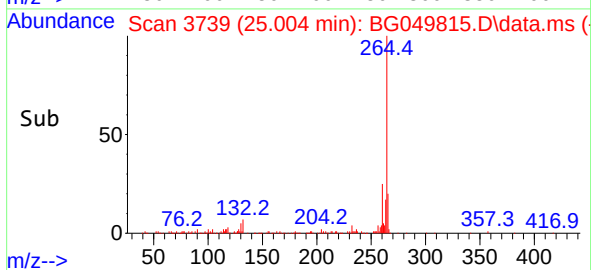
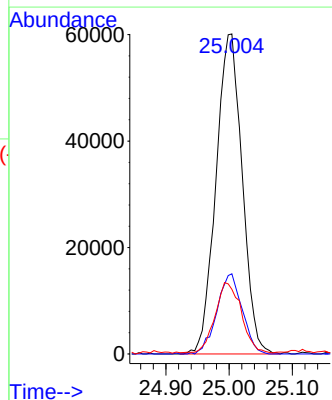
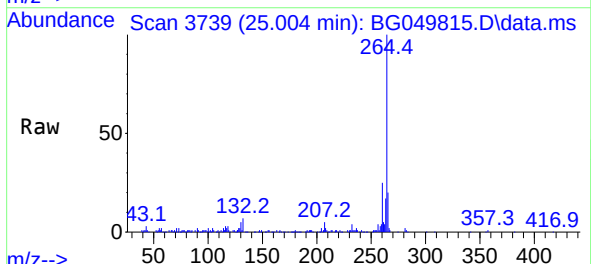
Instrument :  
BNA\_G  
ClientSampleId :  
124027

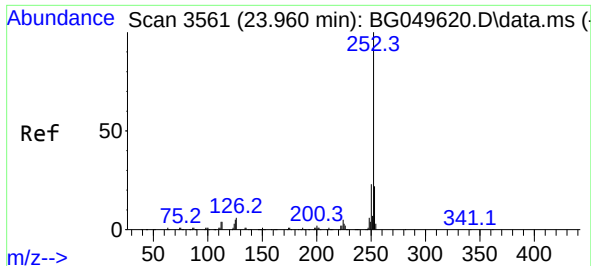
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 149   | Resp: | 19602 |
| Ion Ratio | Lower | Upper |       |
| 149       | 100   |       |       |
| 167       | 23.9  | 22.3  | 33.5  |
| 279       | 5.7   | 3.8   | 5.8   |



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 25.004 min Scan# 3739  
Delta R.T. -0.001 min  
Lab File: BG049815.D  
Acq: 12 Aug 2021 12:59

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 264   | Resp: | 173237 |
| Ion Ratio | Lower | Upper |        |
| 264       | 100   |       |        |
| 260       | 25.0  | 19.4  | 29.2   |
| 265       | 20.2  | 16.9  | 25.3   |

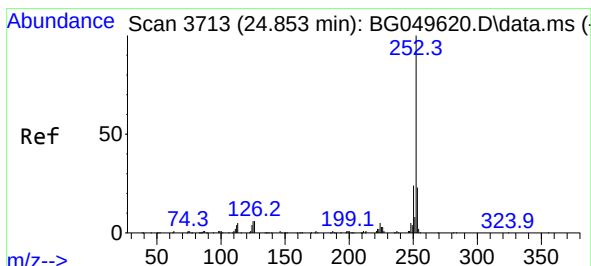
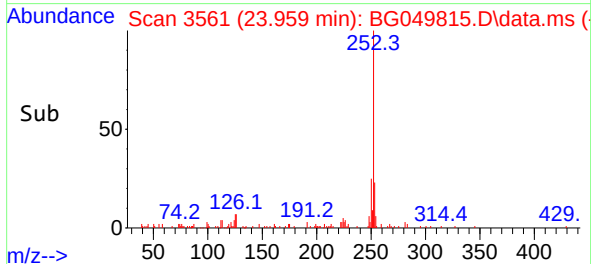
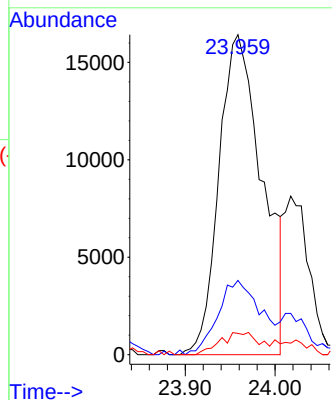
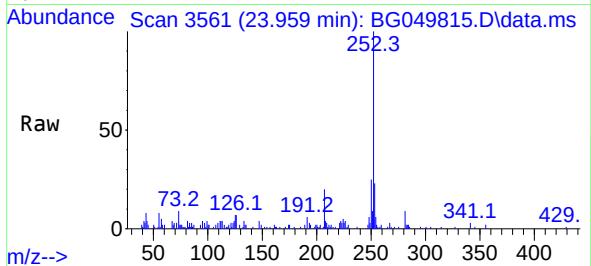




#88  
Benzo(b)fluoranthene  
Concen: 4.840 ng  
RT: 23.959 min Scan# 3561  
Delta R.T. -0.001 min  
Lab File: BG049815.D  
Acq: 12 Aug 2021 12:59

Instrument :  
BNA\_G  
ClientSampleId :  
124027

Tgt Ion:252 Resp: 54993  
Ion Ratio Lower Upper  
252 100  
253 23.2 16.2 24.4  
125 6.7 3.0 4.4#



#90  
Benzo(a)pyrene  
Concen: 2.902 ng  
RT: 24.846 min Scan# 3712  
Delta R.T. -0.007 min  
Lab File: BG049815.D  
Acq: 12 Aug 2021 12:59

Tgt Ion:252 Resp: 29840  
Ion Ratio Lower Upper  
252 100  
253 24.4 16.6 25.0  
125 6.0 3.5 5.3#

