

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG102521\  
 Data File : BG050715.D  
 Acq On : 25 Oct 2021 18:03  
 Operator : CG/JU  
 Sample : M4332-02  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BB-SAMPLE-1

Quant Time: Oct 26 02:15:28 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG100621.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 14 10:56:22 2021  
 Response via : Initial Calibration

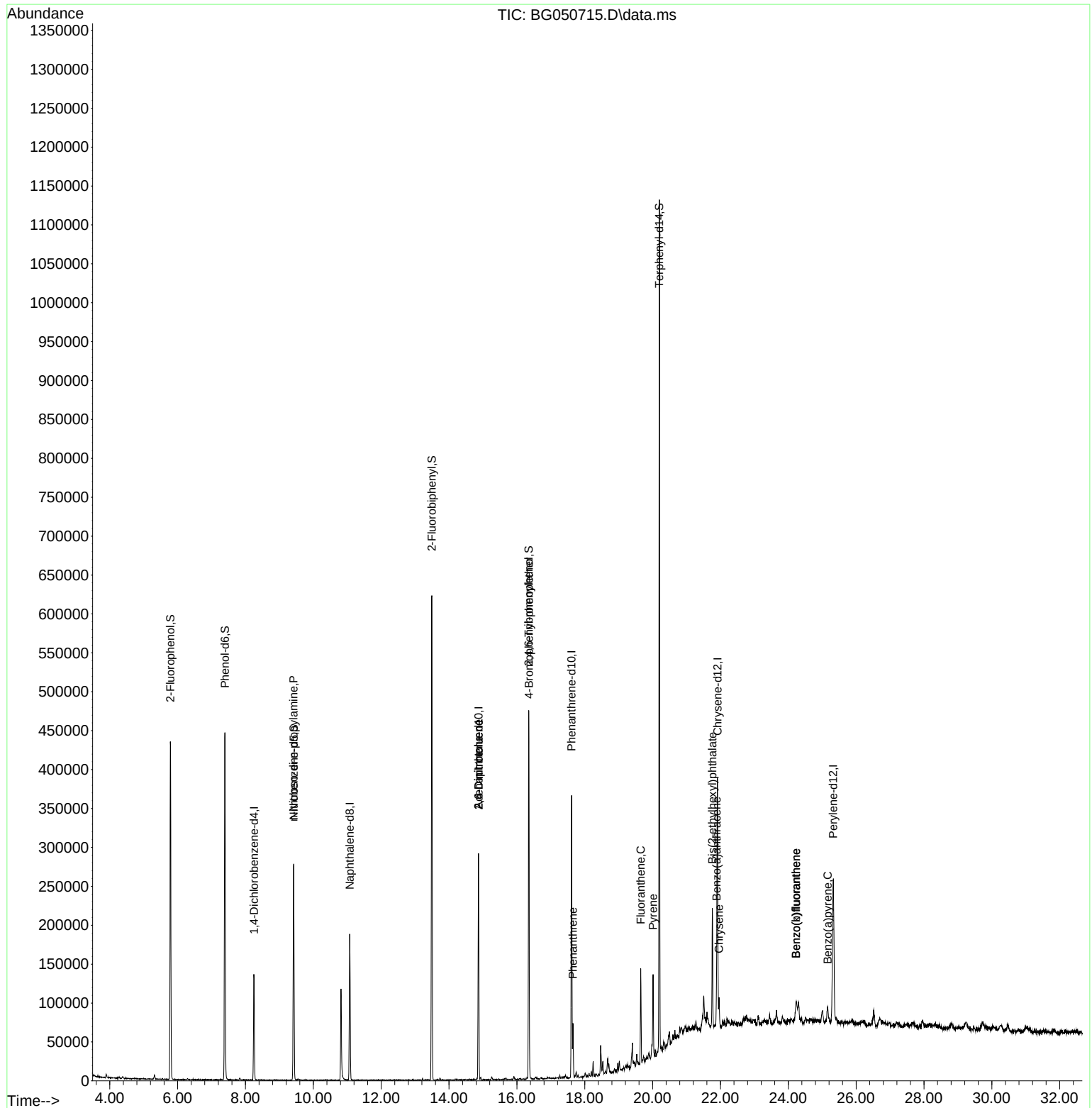
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.253  | 152  | 36241    | 20.000    | ng    | 0.00     |
| 21) Naphthalene-d8            | 11.073 | 136  | 154415   | 20.000    | ng    | #-0.01   |
| 39) Acenaphthene-d10          | 14.868 | 164  | 98612    | 20.000    | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.612 | 188  | 216615   | 20.000    | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.913 | 240  | 190582   | 20.000    | ng    | #-0.01   |
| 86) Perylene-d12              | 25.321 | 264  | 185771   | 20.000    | ng    | -0.01    |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.791  | 112  | 190298   | 78.529    | ng    | 0.00     |
| 7) Phenol-d6                  | 7.395  | 99   | 256391   | 73.077    | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.422  | 82   | 180927   | 48.503    | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.349 | 330  | 70086    | 74.513    | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 13.494 | 172  | 321321   | 49.041    | ng    | -0.01    |
| 79) Terphenyl-d14             | 20.197 | 244  | 477247   | 48.802    | ng    | -0.01    |
| Target Compounds              |        |      |          |           |       |          |
|                               |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde               | 7.383  | 77   | 533      | Below Cal | #     | 10       |
| 19) n-Nitroso-di-n-propyla... | 9.416  | 70   | 25654    | 10.032    | ng    | # 70     |
| 51) 2,6-Dinitrotoluene        | 14.868 | 165  | 12803    | 8.576     | ng    | # 11     |
| 57) 2,4-Dinitrotoluene        | 14.868 | 165  | 12803    | 6.084     | ng    | # 16     |
| 67) 4-Bromophenyl-phenylether | 16.355 | 248  | 5748     | 2.633     | ng    | # 1      |
| 71) Phenanthrene              | 17.653 | 178  | 42924    | 3.760     | ng    | 94       |
| 75) Fluoranthene              | 19.651 | 202  | 74387    | 5.301     | ng    | 96       |
| 78) Pyrene                    | 20.015 | 202  | 66334    | 4.906     | ng    | 100      |
| 81) Benzo(a)anthracene        | 21.890 | 228  | 26705    | 2.118     | ng    | 96       |
| 83) Chrysene                  | 21.960 | 228  | 28387    | 2.393     | ng    | 95       |
| 84) Bis(2-ethylhexyl)phtha... | 21.760 | 149  | 60404    | 7.433     | ng    | # 93     |
| 88) Benzo(b)fluoranthene      | 24.228 | 252  | 31025    | 2.727     | ng    | # 84     |
| 89) Benzo(k)fluoranthene      | 24.228 | 252  | 31025    | 2.772     | ng    | # 89     |
| 90) Benzo(a)pyrene            | 25.162 | 252  | 22281    | 2.303     | ng    | # 86     |
| -----                         |        |      |          |           |       |          |

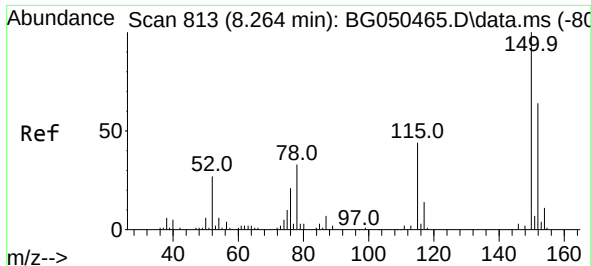
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG102521\  
Data File : BG050715.D  
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Sample : M4332-02  
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ALS Vial : 9 Sample Multiplier: 1

Instrument :  
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QLast Update : Thu Oct 14 10:56:22 2021  
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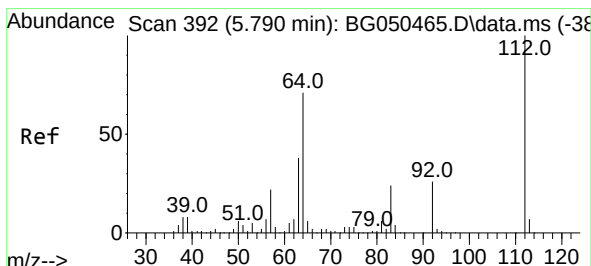
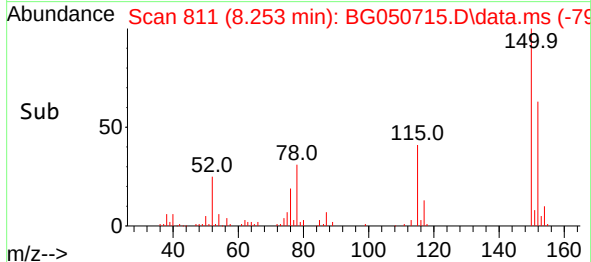
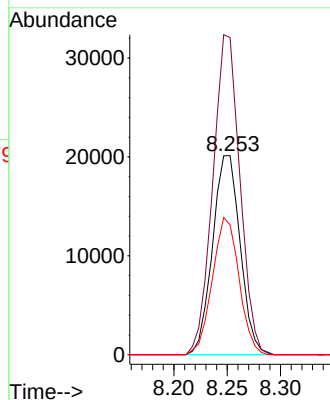
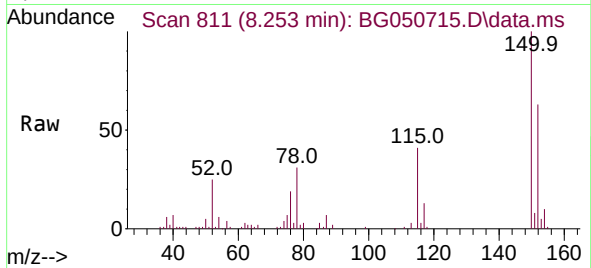




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.253 min Scan# 811  
Delta R.T. -0.005 min  
Lab File: BG050715.D  
Acq: 25 Oct 2021 18:03

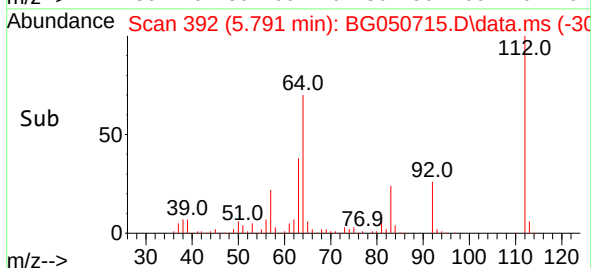
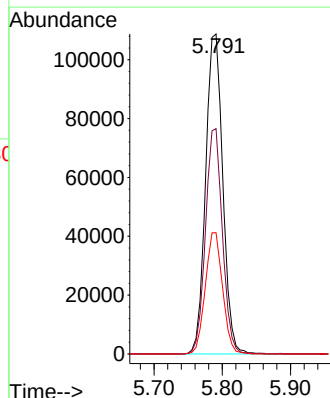
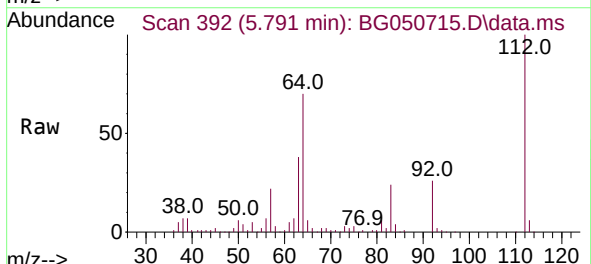
Instrument :  
BNA\_G  
ClientSampleId :  
BB-SAMPLE-1

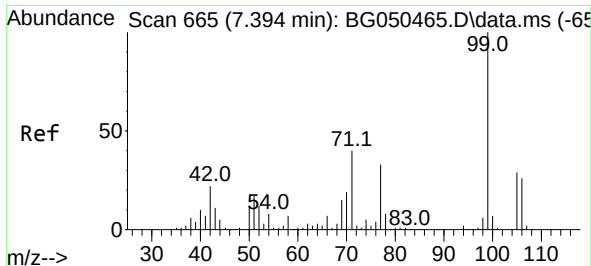
Tgt Ion:152 Resp: 36241  
Ion Ratio Lower Upper  
152 100  
150 159.3 119.4 179.0  
115 65.3 60.2 90.4



#5  
2-Fluorophenol  
Concen: 78.529 ng  
RT: 5.791 min Scan# 392  
Delta R.T. 0.000 min  
Lab File: BG050715.D  
Acq: 25 Oct 2021 18:03

Tgt Ion:112 Resp: 190298  
Ion Ratio Lower Upper  
112 100  
64 70.4 46.7 70.1#  
63 37.9 35.3 52.9

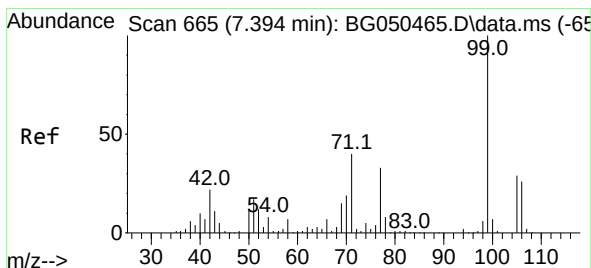
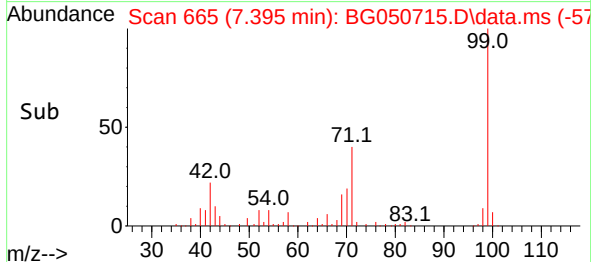
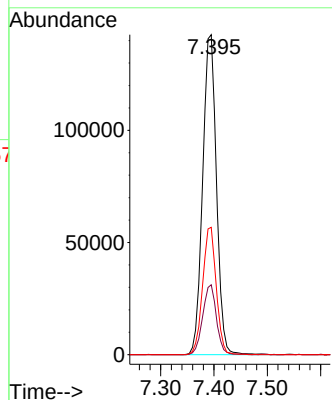
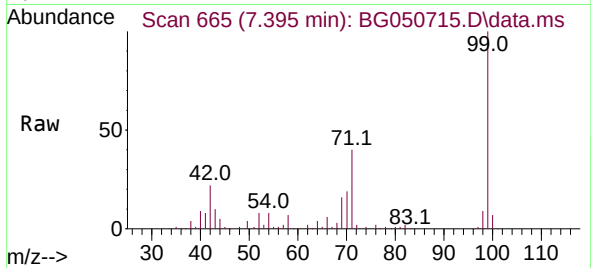




#7  
Phenol-d6  
Concen: 73.077 ng  
RT: 7.395 min Scan# 665  
Delta R.T. -0.006 min  
Lab File: BG050715.D  
Acq: 25 Oct 2021 18:03

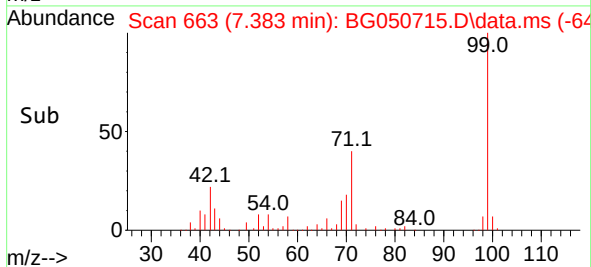
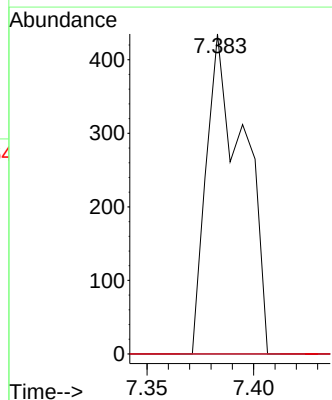
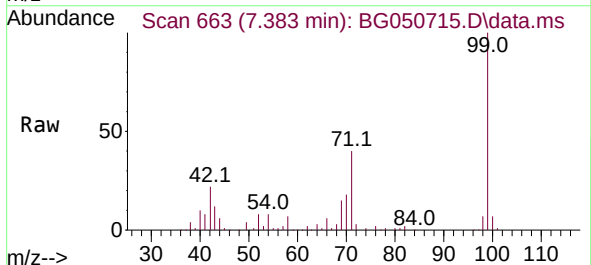
Instrument :  
BNA\_G  
ClientSampleId :  
BB-SAMPLE-1

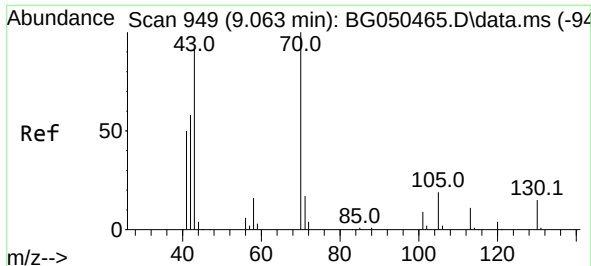
Tgt Ion: 99 Resp: 256391  
Ion Ratio Lower Upper  
99 100  
42 21.9 20.5 30.7  
71 39.8 41.5 62.3#



#9  
Benzaldehyde  
Concen: Below Cal  
RT: 7.383 min Scan# 663  
Delta R.T. -0.006 min  
Lab File: BG050715.D  
Acq: 25 Oct 2021 18:03

Tgt Ion: 77 Resp: 533  
Ion Ratio Lower Upper  
77 100  
105 0.0 68.8 108.8#  
106 0.0 47.9 87.9#

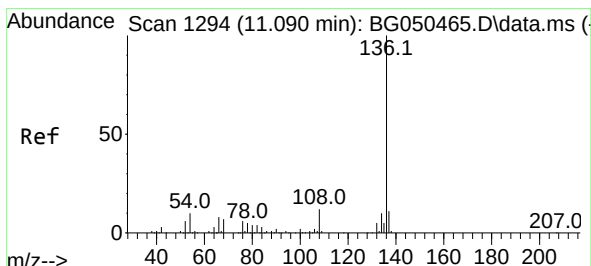
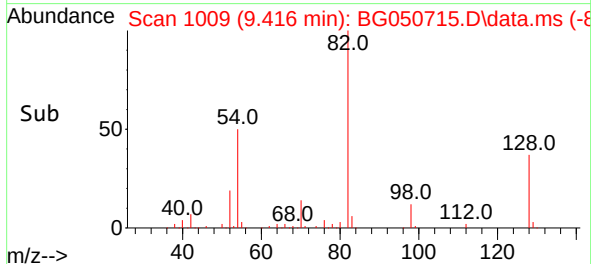
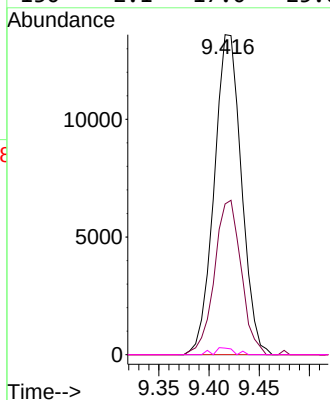
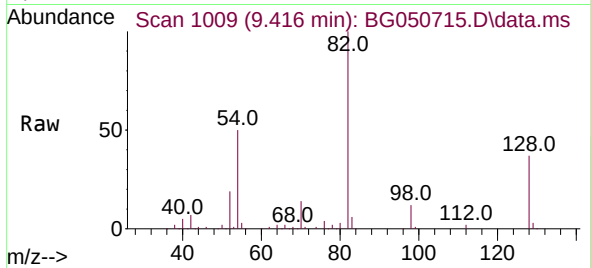




#19  
n-Nitroso-di-n-propylamine  
Concen: 10.032 ng  
RT: 9.416 min Scan# 1009  
Delta R.T. 0.359 min  
Lab File: BG050715.D  
Acq: 25 Oct 2021 18:03

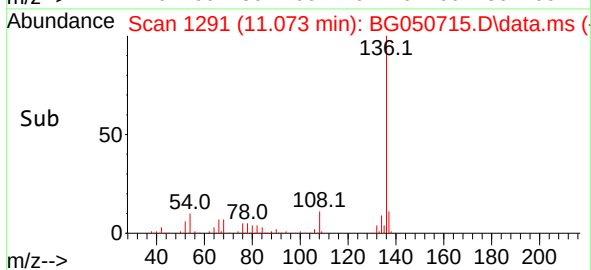
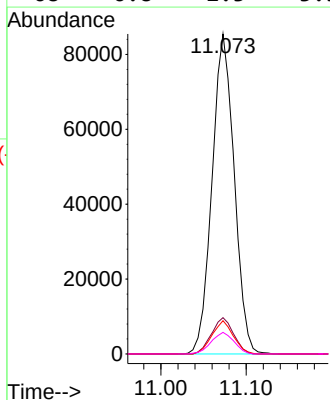
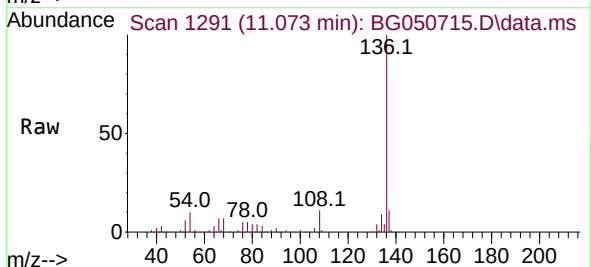
Instrument :  
BNA\_G  
ClientSampleId :  
BB-SAMPLE-1

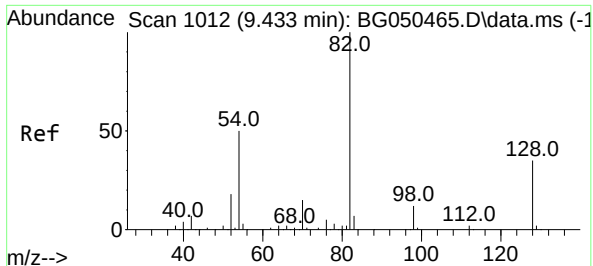
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 70    | Resp: | 25654 |
| Ion      | Ratio | Lower | Upper |
| 70       | 100   |       |       |
| 42       | 47.1  | 54.5  | 81.7# |
| 101      | 0.0   | 9.0   | 13.6# |
| 130      | 2.1   | 17.0  | 25.6# |



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.073 min Scan# 1291  
Delta R.T. -0.012 min  
Lab File: BG050715.D  
Acq: 25 Oct 2021 18:03

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 154415 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.4  | 8.2   | 12.2   |
| 54       | 10.4  | 5.5   | 8.3#   |
| 68       | 6.8   | 2.3   | 3.5#   |

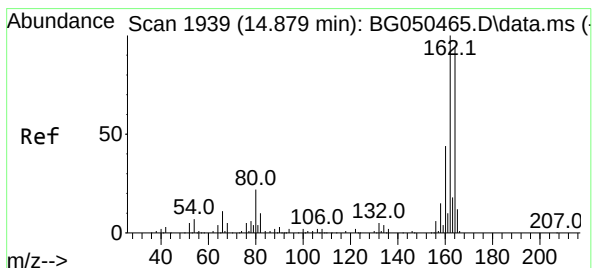
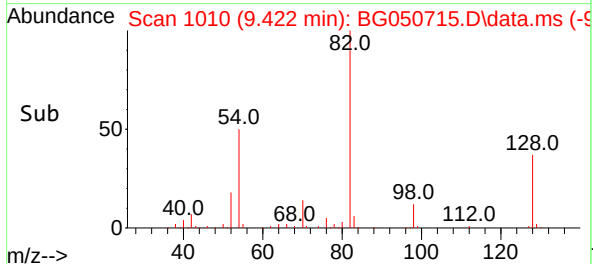
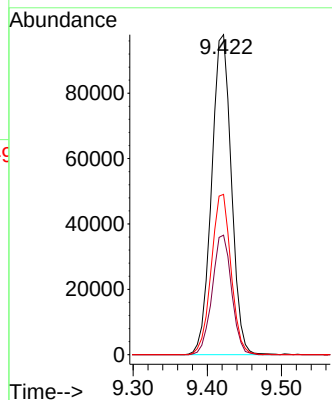
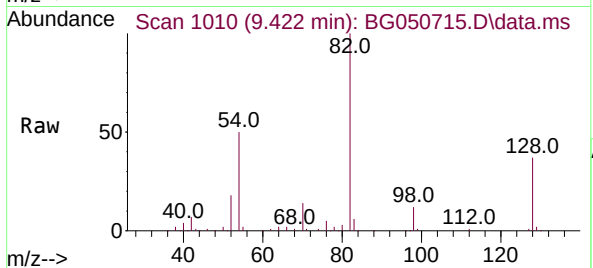




#23  
Nitrobenzene-d5  
Concen: 48.503 ng  
RT: 9.422 min Scan# 1010  
Delta R.T. -0.006 min  
Lab File: BG050715.D  
Acq: 25 Oct 2021 18:03

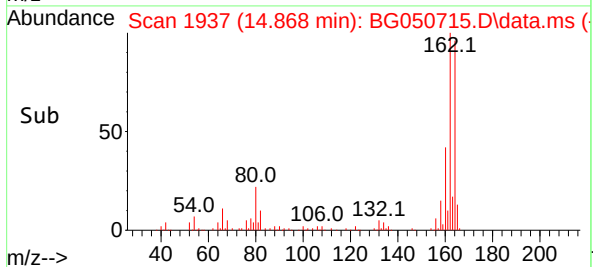
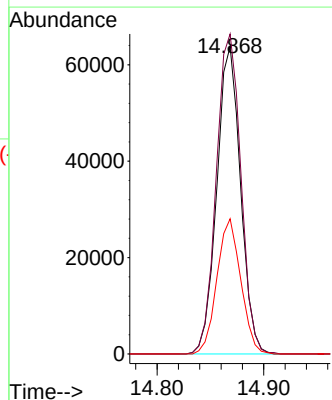
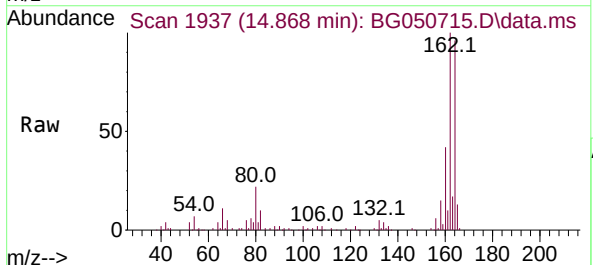
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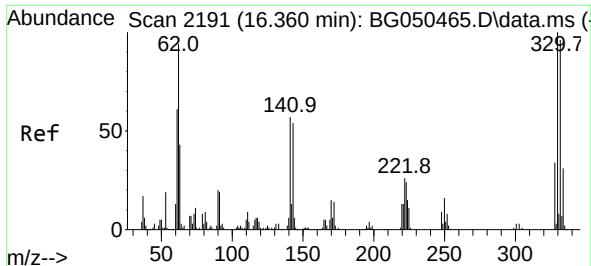
Tgt Ion: 82 Resp: 180927  
Ion Ratio Lower Upper  
82 100  
128 37.4 29.8 44.6  
54 50.1 45.8 68.8



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.868 min Scan# 1937  
Delta R.T. -0.006 min  
Lab File: BG050715.D  
Acq: 25 Oct 2021 18:03

Tgt Ion:164 Resp: 98612  
Ion Ratio Lower Upper  
164 100  
162 104.1 81.4 122.0  
160 44.0 34.9 52.3

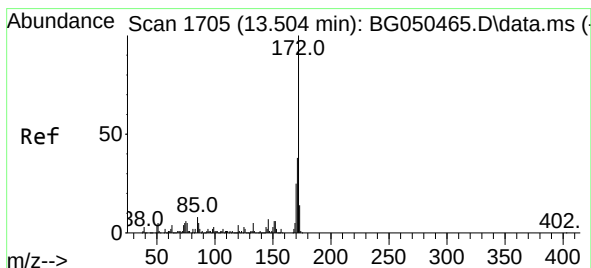
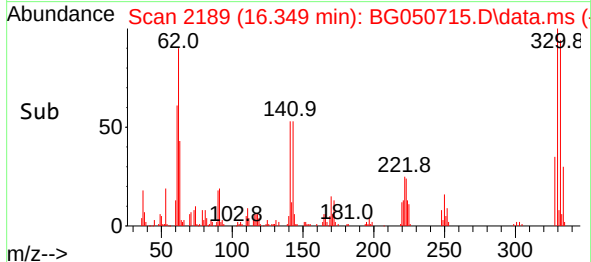
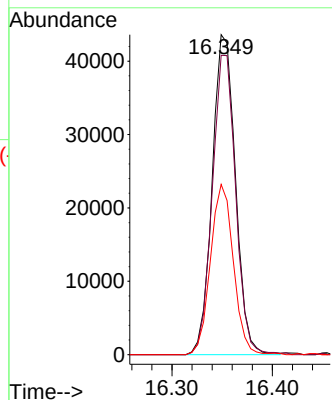
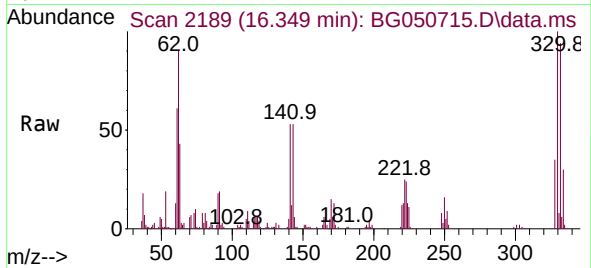




#42  
 2,4,6-Tribromophenol  
 Concen: 74.513 ng  
 RT: 16.349 min Scan# 2189  
 Delta R.T. -0.012 min  
 Lab File: BG050715.D  
 Acq: 25 Oct 2021 18:03

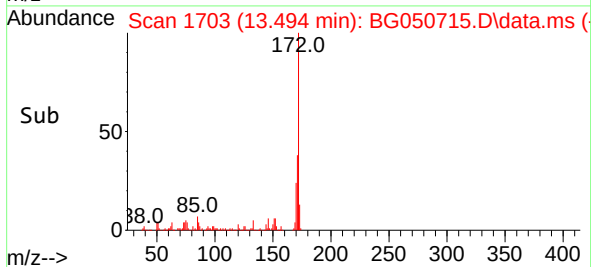
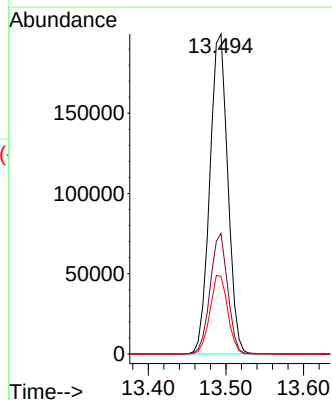
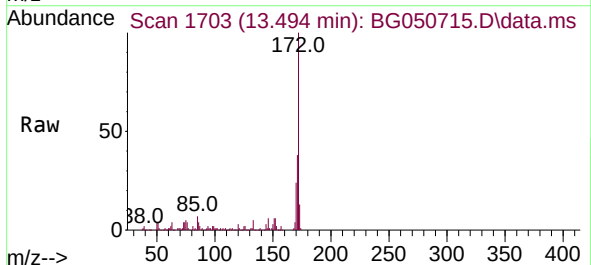
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 BB-SAMPLE-1

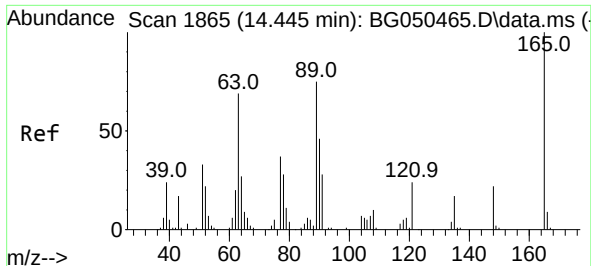
Tgt Ion:330 Resp: 70086  
 Ion Ratio Lower Upper  
 330 100  
 332 94.3 77.3 115.9  
 141 52.7 35.6 53.4



#45  
 2-Fluorobiphenyl  
 Concen: 49.041 ng  
 RT: 13.494 min Scan# 1703  
 Delta R.T. -0.012 min  
 Lab File: BG050715.D  
 Acq: 25 Oct 2021 18:03

Tgt Ion:172 Resp: 321321  
 Ion Ratio Lower Upper  
 172 100  
 171 37.7 28.6 43.0  
 170 24.3 18.6 27.8

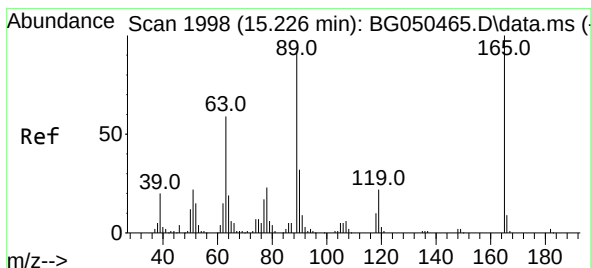
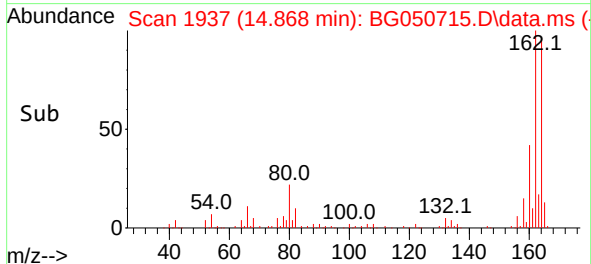
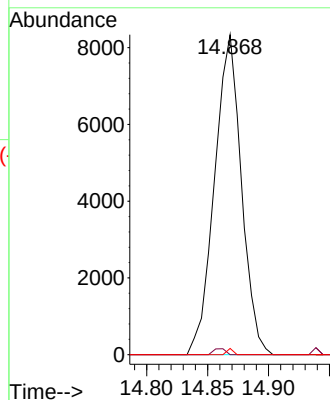
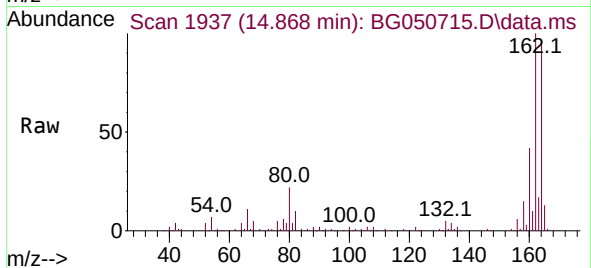




#51  
2,6-Dinitrotoluene  
Concen: 8.576 ng  
RT: 14.868 min Scan# 1937  
Delta R.T. 0.423 min  
Lab File: BG050715.D  
Acq: 25 Oct 2021 18:03

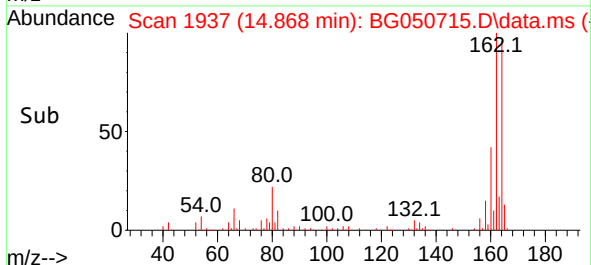
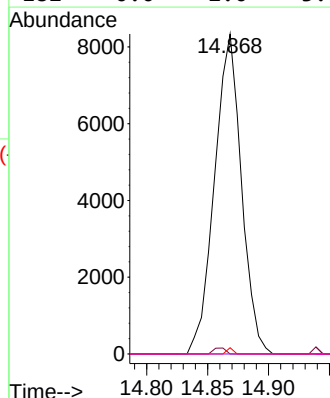
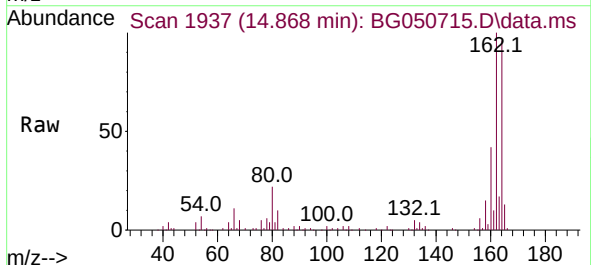
Instrument :  
BNA\_G  
ClientSampleId :  
BB-SAMPLE-1

Tgt Ion:165 Resp: 12803  
Ion Ratio Lower Upper  
165 100  
63 0.0 63.3 94.9#  
89 2.0 63.4 95.0#

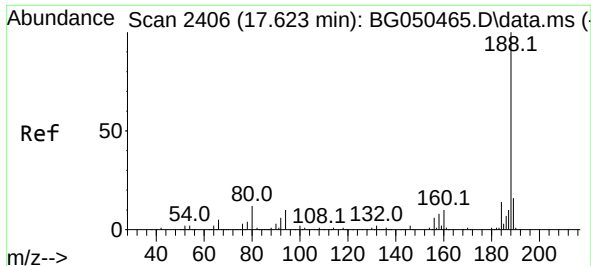


#57  
2,4-Dinitrotoluene  
Concen: 6.084 ng  
RT: 14.868 min Scan# 1937  
Delta R.T. -0.358 min  
Lab File: BG050715.D  
Acq: 25 Oct 2021 18:03

Tgt Ion:165 Resp: 12803  
Ion Ratio Lower Upper  
165 100  
63 0.0 48.0 72.0#  
89 2.0 65.4 98.0#  
182 0.0 2.0 3.0#



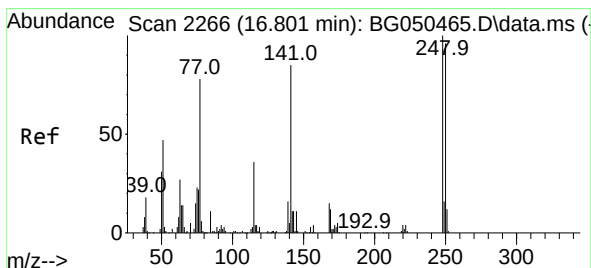
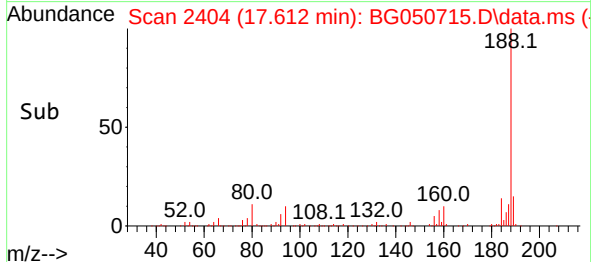
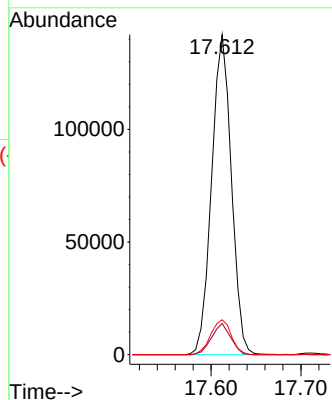
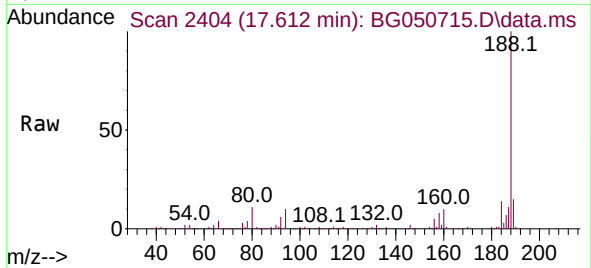




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.612 min Scan# 2404  
Delta R.T. -0.006 min  
Lab File: BG050715.D  
Acq: 25 Oct 2021 18:03

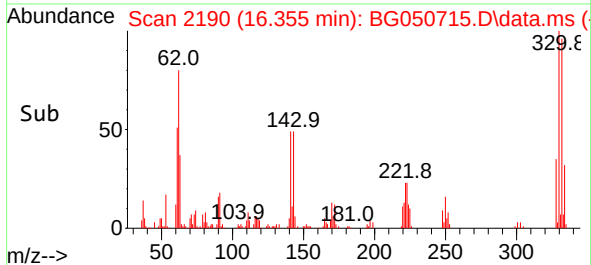
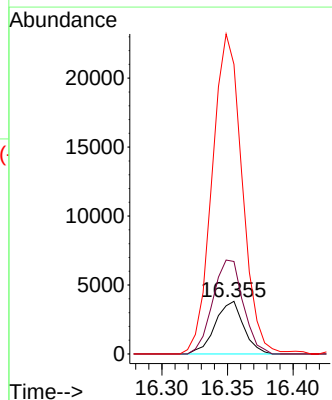
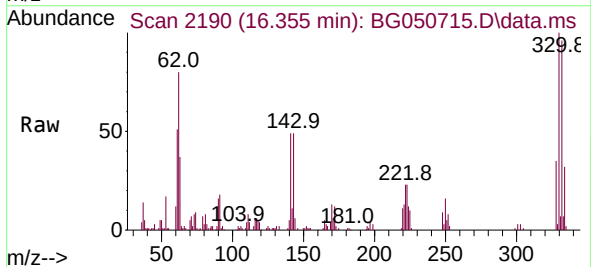
Instrument :  
BNA\_G  
ClientSampleId :  
BB-SAMPLE-1

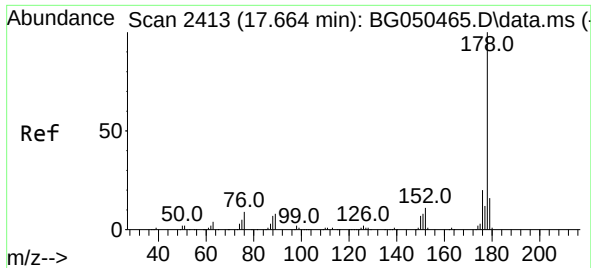
Tgt Ion:188 Resp: 216615  
Ion Ratio Lower Upper  
188 100  
94 9.7 5.4 8.0#  
80 10.9 3.7 5.5#



#67  
4-Bromophenyl-phenylether  
Concen: 2.633 ng  
RT: 16.355 min Scan# 2190  
Delta R.T. -0.446 min  
Lab File: BG050715.D  
Acq: 25 Oct 2021 18:03

Tgt Ion:248 Resp: 5748  
Ion Ratio Lower Upper  
248 100  
250 175.8 76.1 114.1#  
141 550.5 65.4 98.2#

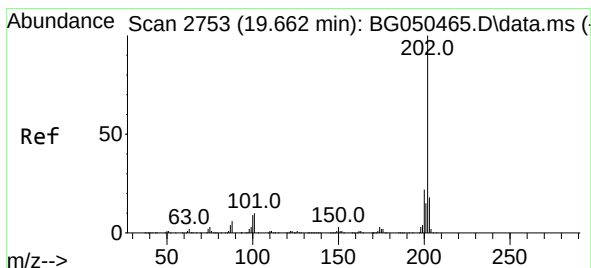
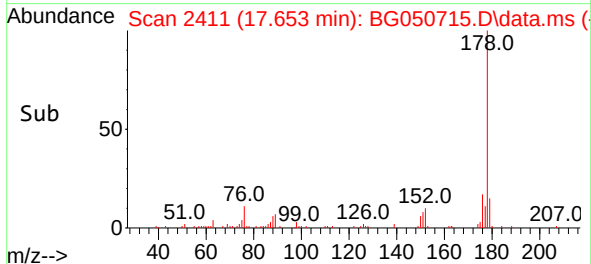
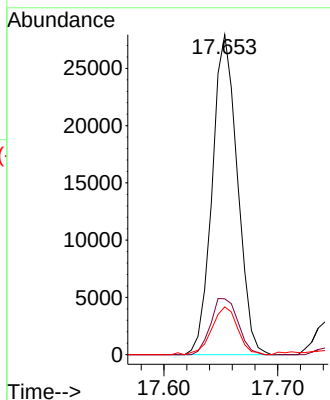
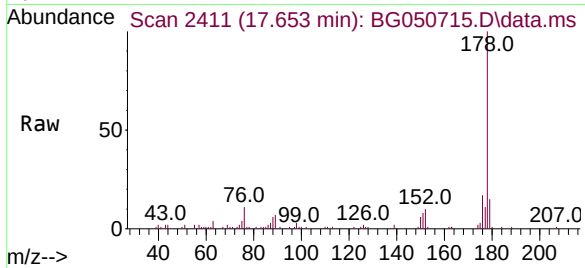




#71  
Phenanthrene  
Concen: 3.760 ng  
RT: 17.653 min Scan# 2411  
Delta R.T. -0.012 min  
Lab File: BG050715.D  
Acq: 25 Oct 2021 18:03

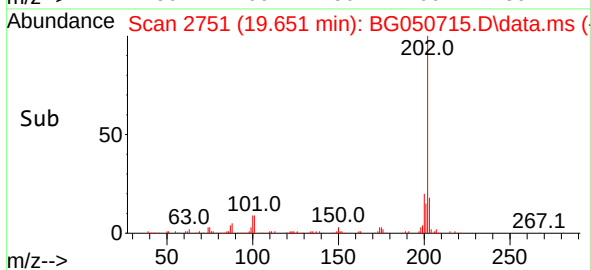
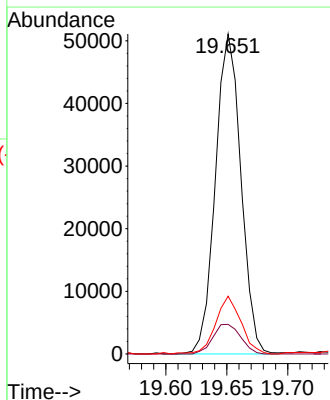
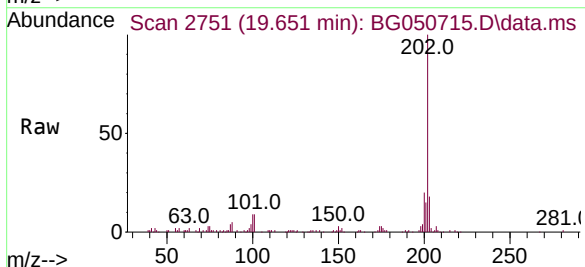
Instrument :  
BNA\_G  
ClientSampleId :  
BB-SAMPLE-1

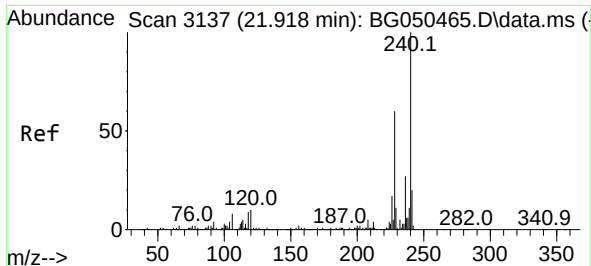
Tgt Ion:178 Resp: 42924  
Ion Ratio Lower Upper  
178 100  
176 17.5 16.0 24.0  
179 15.0 14.2 21.4



#75  
Fluoranthene  
Concen: 5.301 ng  
RT: 19.651 min Scan# 2751  
Delta R.T. -0.012 min  
Lab File: BG050715.D  
Acq: 25 Oct 2021 18:03

Tgt Ion:202 Resp: 74387  
Ion Ratio Lower Upper  
202 100  
101 9.2 0.0 24.7  
203 18.1 0.0 38.5

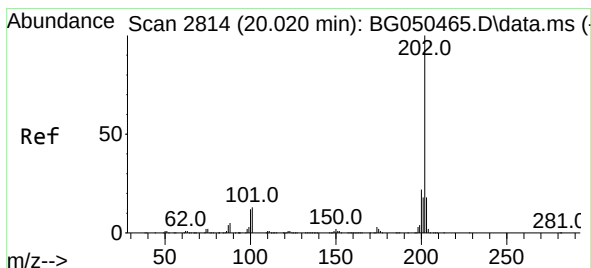
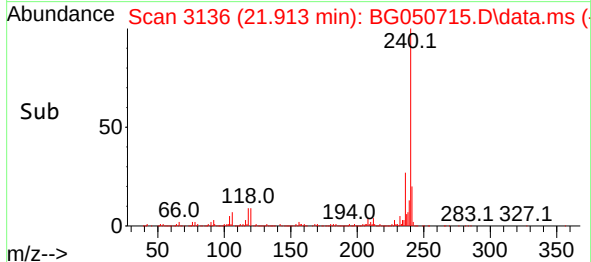
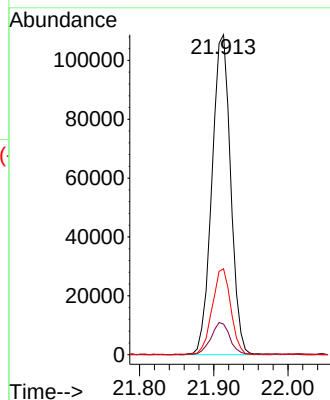
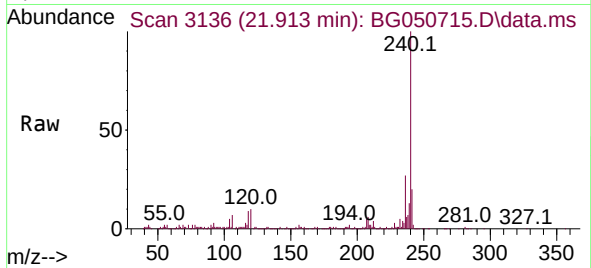




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.913 min Scan# 3136  
Delta R.T. -0.012 min  
Lab File: BG050715.D  
Acq: 25 Oct 2021 18:03

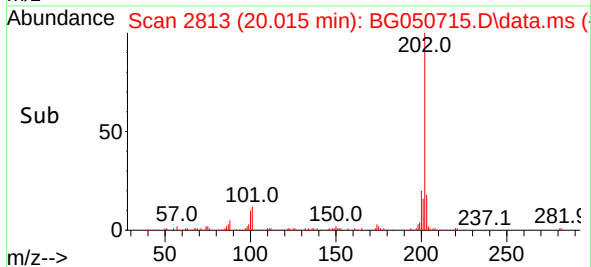
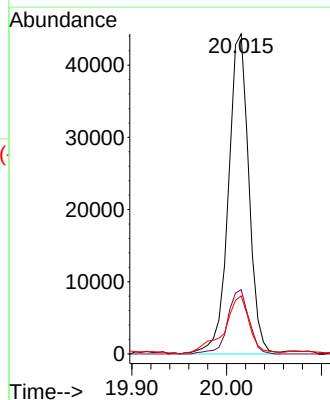
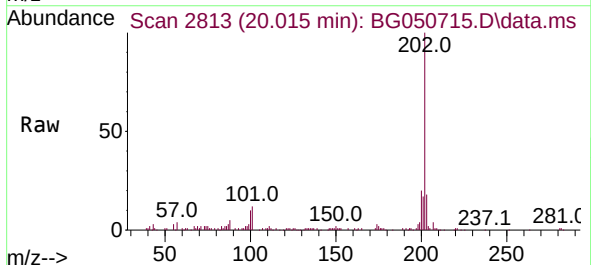
Instrument :  
BNA\_G  
ClientSampleId :  
BB-SAMPLE-1

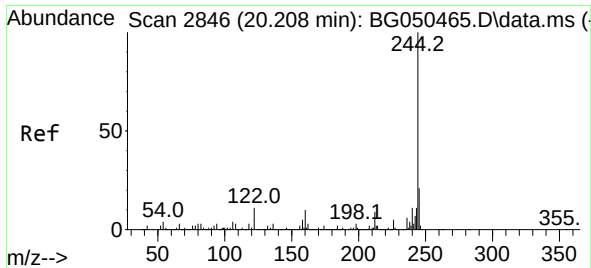
Tgt Ion:240 Resp: 190582  
Ion Ratio Lower Upper  
240 100  
120 9.5 4.2 6.2#  
236 26.8 21.8 32.6



#78  
Pyrene  
Concen: 4.906 ng  
RT: 20.015 min Scan# 2813  
Delta R.T. -0.006 min  
Lab File: BG050715.D  
Acq: 25 Oct 2021 18:03

Tgt Ion:202 Resp: 66334  
Ion Ratio Lower Upper  
202 100  
200 20.1 15.8 23.8  
203 18.1 14.6 21.8

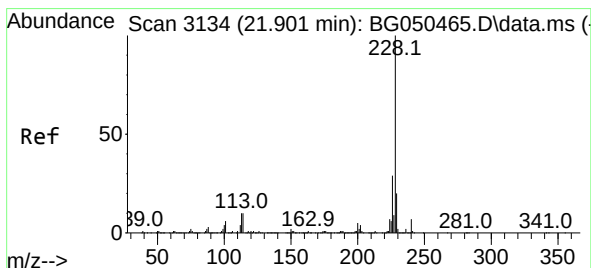
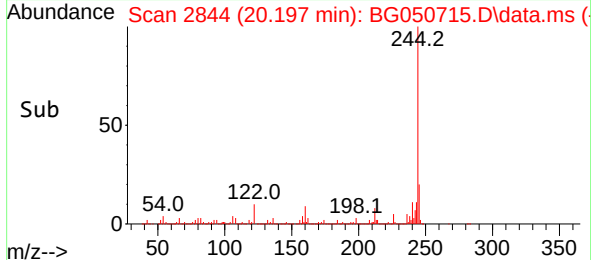
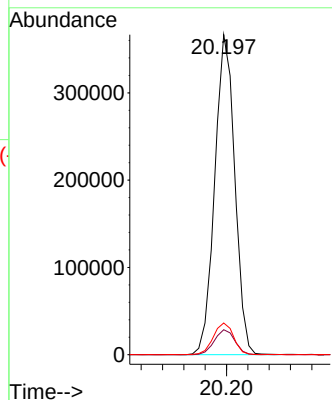
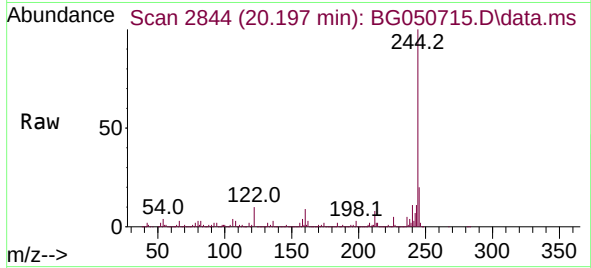




#79  
 Terphenyl-d14  
 Concen: 48.802 ng  
 RT: 20.197 min Scan# 2844  
 Delta R.T. -0.012 min  
 Lab File: BG050715.D  
 Acq: 25 Oct 2021 18:03

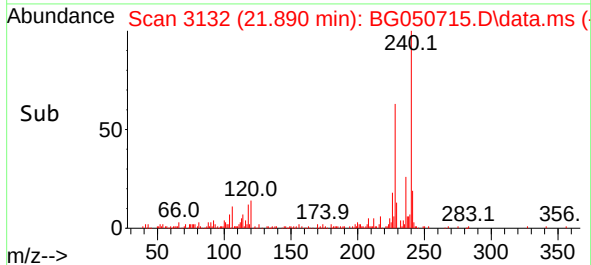
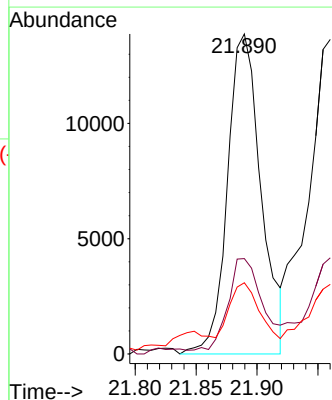
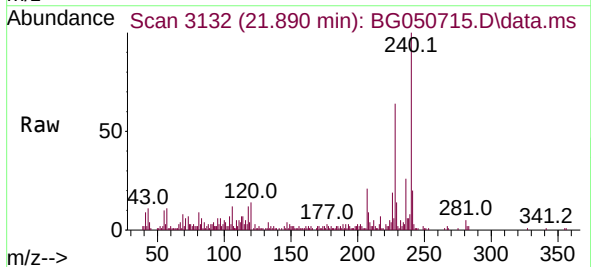
Instrument :  
 BNA\_G  
 ClientSampleId :  
 BB-SAMPLE-1

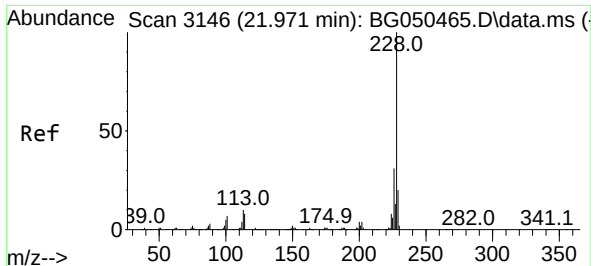
Tgt Ion:244 Resp: 477247  
 Ion Ratio Lower Upper  
 244 100  
 212 7.8 6.9 10.3  
 122 9.9 5.0 7.6#



#81  
 Benzo(a)anthracene  
 Concen: 2.118 ng  
 RT: 21.890 min Scan# 3132  
 Delta R.T. -0.012 min  
 Lab File: BG050715.D  
 Acq: 25 Oct 2021 18:03

Tgt Ion:228 Resp: 26705  
 Ion Ratio Lower Upper  
 228 100  
 226 29.8 22.7 34.1  
 229 22.2 16.0 24.0

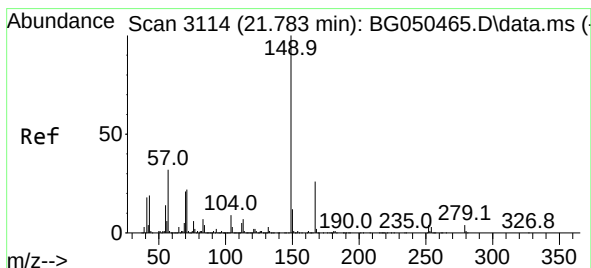
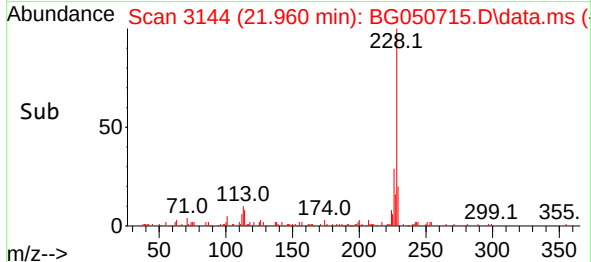
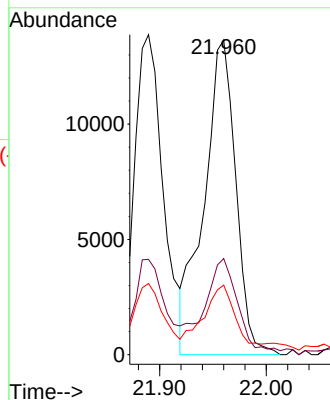
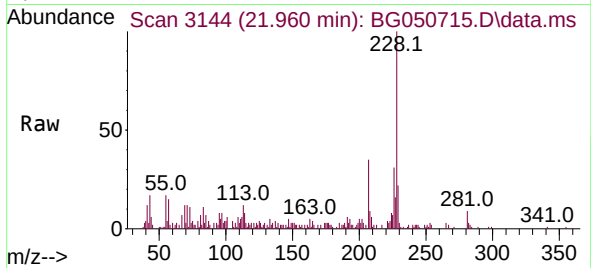




#83  
Chrysene  
Concen: 2.393 ng  
RT: 21.960 min Scan# 3144  
Delta R.T. -0.012 min  
Lab File: BG050715.D  
Acq: 25 Oct 2021 18:03

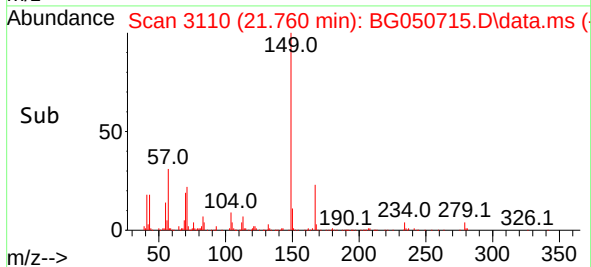
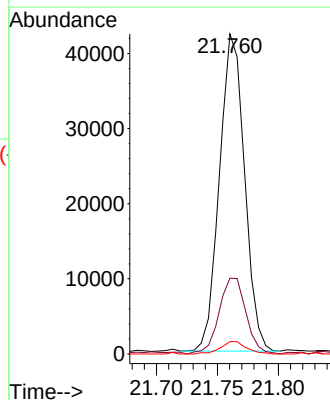
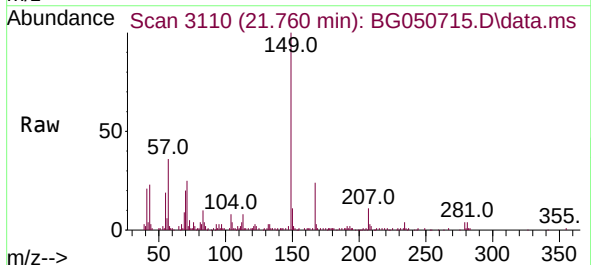
Instrument :  
BNA\_G  
ClientSampleId :  
BB-SAMPLE-1

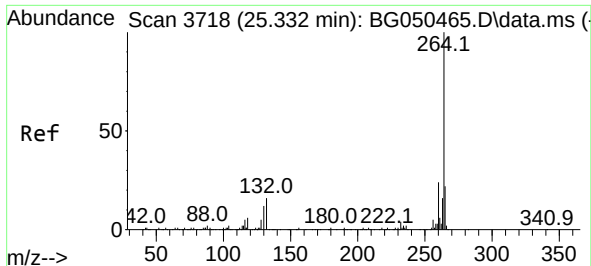
Tgt Ion:228 Resp: 28387  
Ion Ratio Lower Upper  
228 100  
226 30.6 23.1 34.7  
229 22.1 15.3 22.9



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 7.433 ng  
RT: 21.760 min Scan# 3110  
Delta R.T. -0.017 min  
Lab File: BG050715.D  
Acq: 25 Oct 2021 18:03

Tgt Ion:149 Resp: 60404  
Ion Ratio Lower Upper  
149 100  
167 23.7 22.3 33.5  
279 3.8 3.8 5.8#

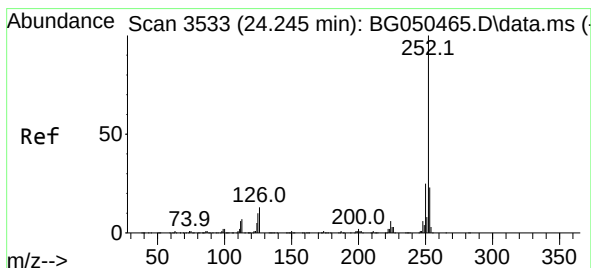
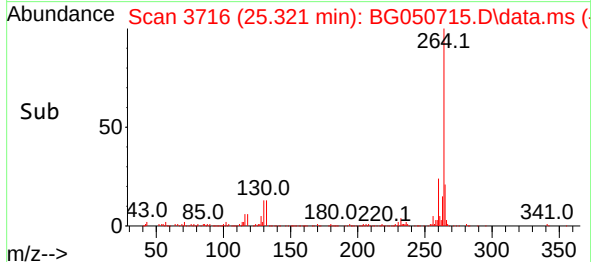
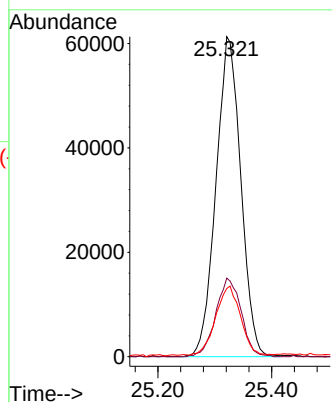
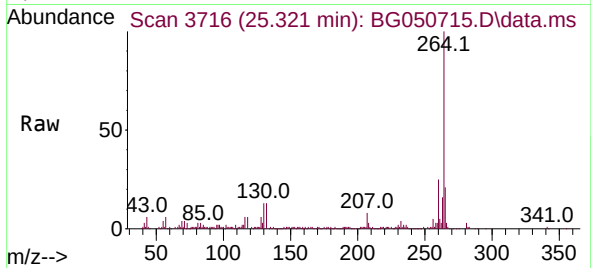




#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 25.321 min Scan# 3716  
 Delta R.T. -0.012 min  
 Lab File: BG050715.D  
 Acq: 25 Oct 2021 18:03

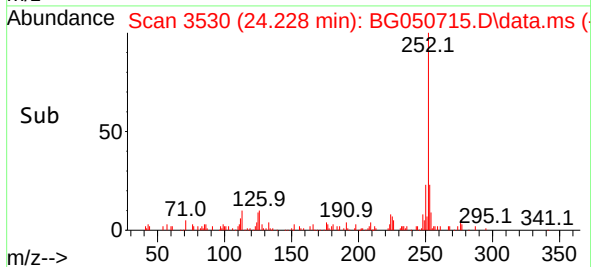
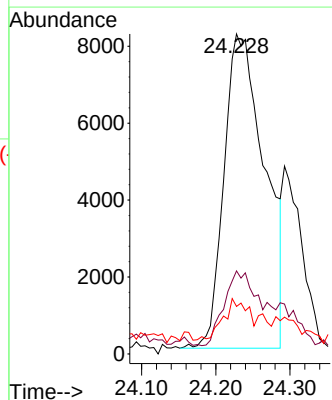
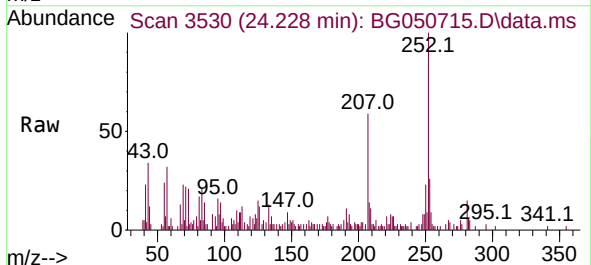
Instrument :  
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 ClientSampleId :  
 BB-SAMPLE-1

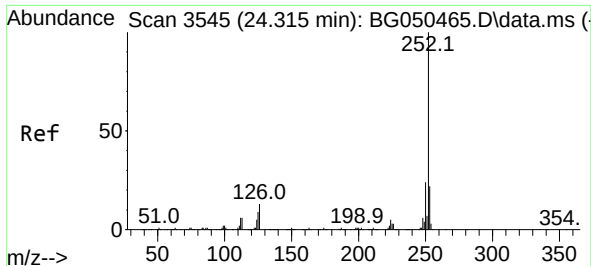
Tgt Ion:264 Resp: 185771  
 Ion Ratio Lower Upper  
 264 100  
 260 24.5 19.4 29.2  
 265 21.3 16.9 25.3



#88  
 Benzo(b)fluoranthene  
 Concen: 2.727 ng  
 RT: 24.228 min Scan# 3530  
 Delta R.T. -0.017 min  
 Lab File: BG050715.D  
 Acq: 25 Oct 2021 18:03

Tgt Ion:252 Resp: 31025  
 Ion Ratio Lower Upper  
 252 100  
 253 25.9 16.2 24.4#  
 125 14.8 3.0 4.4#

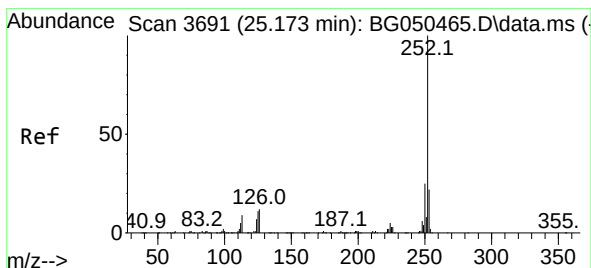
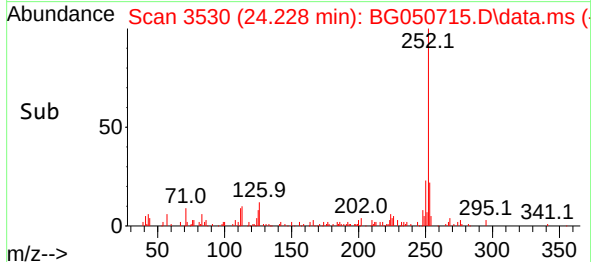
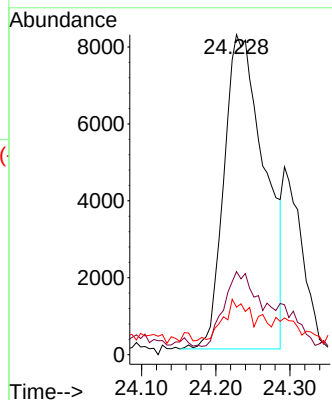
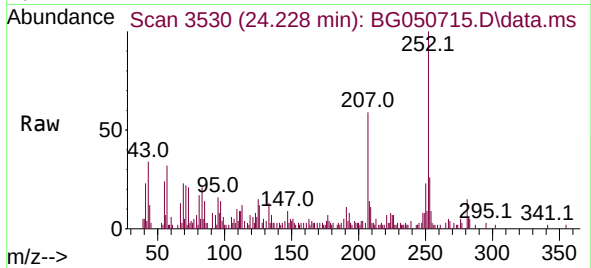




#89  
Benzo(k)fluoranthene  
Concen: 2.772 ng  
RT: 24.228 min Scan# 3530  
Delta R.T. -0.088 min  
Lab File: BG050715.D  
Acq: 25 Oct 2021 18:03

Instrument :  
BNA\_G  
ClientSampleId :  
BB-SAMPLE-1

Tgt Ion:252 Resp: 31025  
Ion Ratio Lower Upper  
252 100  
253 25.9 18.0 27.0  
125 14.8 3.1 4.7#



#90  
Benzo(a)pyrene  
Concen: 2.303 ng  
RT: 25.162 min Scan# 3689  
Delta R.T. -0.012 min  
Lab File: BG050715.D  
Acq: 25 Oct 2021 18:03

Tgt Ion:252 Resp: 22281  
Ion Ratio Lower Upper  
252 100  
253 26.3 16.6 25.0#  
125 12.8 3.5 5.3#

