

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG100721\  
 Data File : BG050501.D  
 Acq On : 8 Oct 2021 3:21  
 Operator : CG/JU  
 Sample : M4131-04 5X  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SS-07(NA)

Quant Time: Oct 08 05:48:24 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG100621.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 06 15:51:01 2021  
 Response via : Initial Calibration

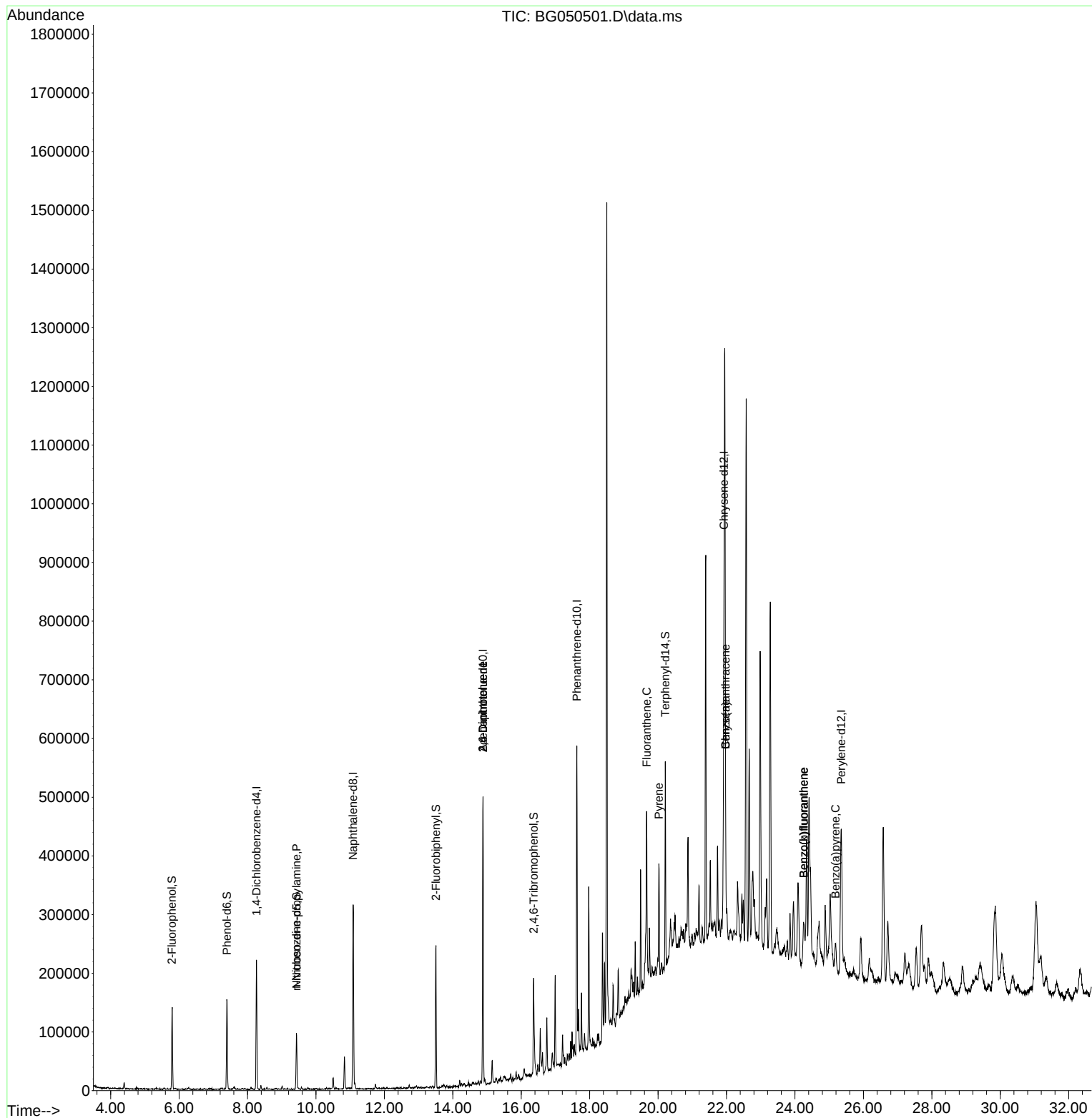
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.259  | 152  | 58324    | 20.000    | ng    | 0.00     |
| 21) Naphthalene-d8            | 11.086 | 136  | 256656   | 20.000    | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.881 | 164  | 169140   | 20.000    | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.625 | 188  | 324736   | 20.000    | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.926 | 240  | 272954   | 20.000    | ng    | # 0.00   |
| 86) Perylene-d12              | 25.351 | 264  | 273117   | 20.000    | ng    | 0.02     |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.792  | 112  | 60406    | 15.489    | ng    | 0.00     |
| 7) Phenol-d6                  | 7.396  | 99   | 84745    | 15.009    | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.429  | 82   | 61661    | 9.945     | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.362 | 330  | 22058    | 13.673    | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.506 | 172  | 120916   | 10.759    | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.210 | 244  | 151591   | 10.823    | ng    | 0.00     |
| Target Compounds              |        |      |          |           |       |          |
|                               |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde               | 7.390  | 77   | 581      | Below Cal | #     | 70       |
| 19) n-Nitroso-di-n-propyla... | 9.435  | 70   | 8484     | 2.062     | ng    | # 74     |
| 51) 2,6-Dinitrotoluene        | 14.881 | 165  | 22368    | 8.735     | ng    | # 12     |
| 57) 2,4-Dinitrotoluene        | 14.881 | 165  | 22368    | 6.197     | ng    | # 17     |
| 75) Fluoranthene              | 19.664 | 202  | 125049   | 5.945     | ng    | 96       |
| 78) Pyrene                    | 20.022 | 202  | 117996   | 6.093     | ng    | 100      |
| 81) Benzo(a)anthracene        | 21.973 | 228  | 66397    | 3.676     | ng    | 95       |
| 83) Chrysene                  | 21.973 | 228  | 66397    | 3.908     | ng    | 95       |
| 88) Benzo(b)fluoranthene      | 24.253 | 252  | 96765    | 5.785     | ng    | # 92     |
| 89) Benzo(k)fluoranthene      | 24.253 | 252  | 96765    | 5.881     | ng    | # 93     |
| 90) Benzo(a)pyrene            | 25.181 | 252  | 58150    | 4.089     | ng    | # 90     |
| -----                         |        |      |          |           |       |          |

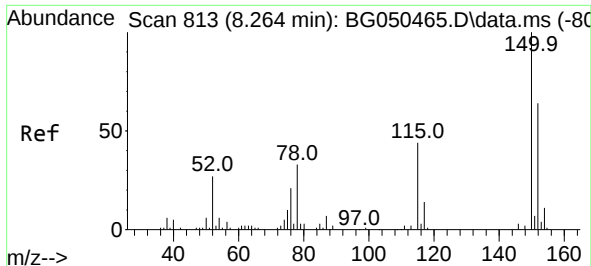
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG100721\  
Data File : BG050501.D  
Acq On : 8 Oct 2021 3:21  
Operator : CG/JU  
Sample : M4131-04 5X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
SS-07(NA)

Quant Time: Oct 08 05:48:24 2021  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG100621.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Oct 06 15:51:01 2021  
Response via : Initial Calibration

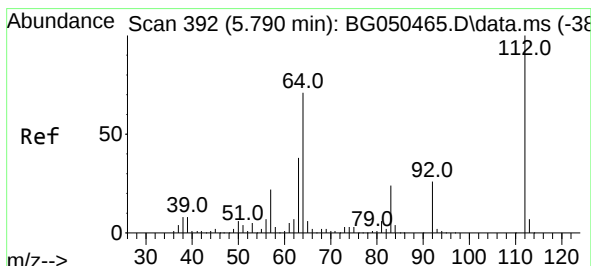
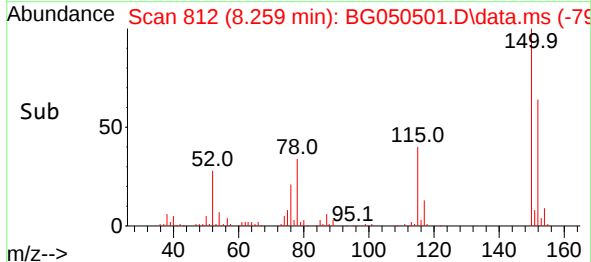
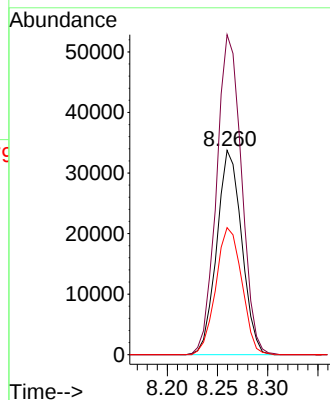
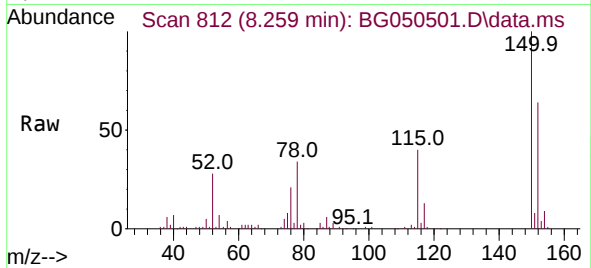




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.259 min Scan# 812  
Delta R.T. -0.005 min  
Lab File: BG050501.D  
Acq: 8 Oct 2021 3:21

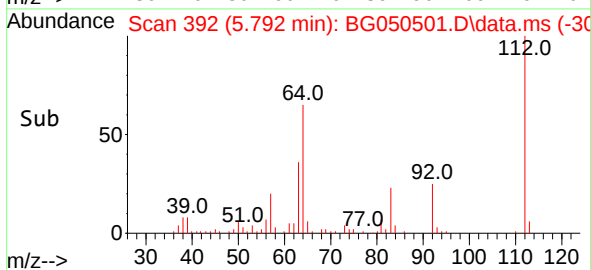
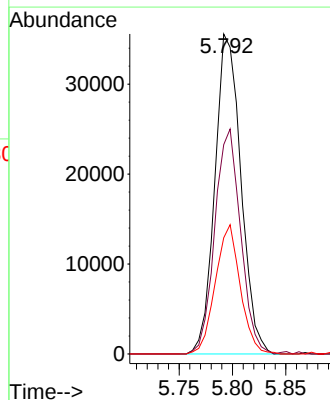
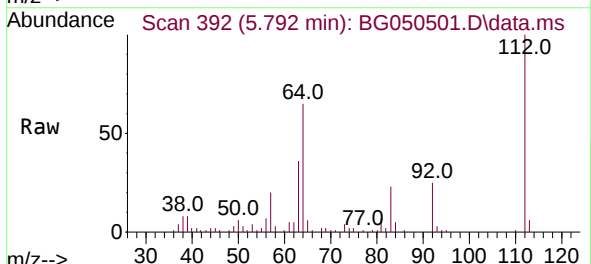
Instrument :  
BNA\_G  
ClientSampleId :  
SS-07(NA)

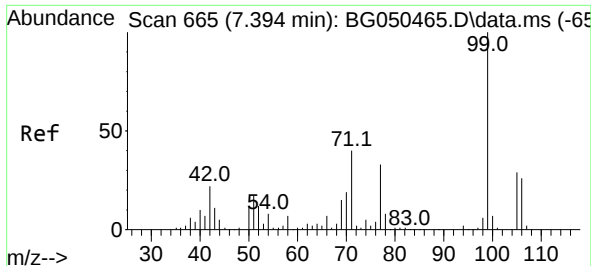
Tgt Ion:152 Resp: 58324  
Ion Ratio Lower Upper  
152 100  
150 156.6 119.4 179.0  
115 62.2 60.2 90.4



#5  
2-Fluorophenol  
Concen: 15.489 ng  
RT: 5.792 min Scan# 392  
Delta R.T. 0.002 min  
Lab File: BG050501.D  
Acq: 8 Oct 2021 3:21

Tgt Ion:112 Resp: 60406  
Ion Ratio Lower Upper  
112 100  
64 65.4 46.7 70.1  
63 36.3 35.3 52.9

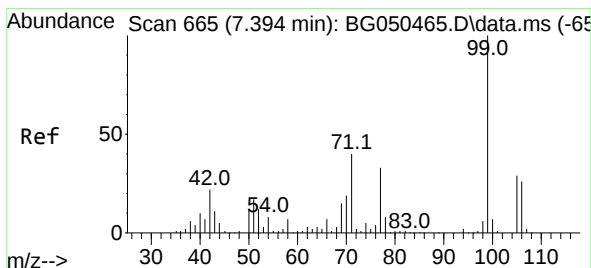
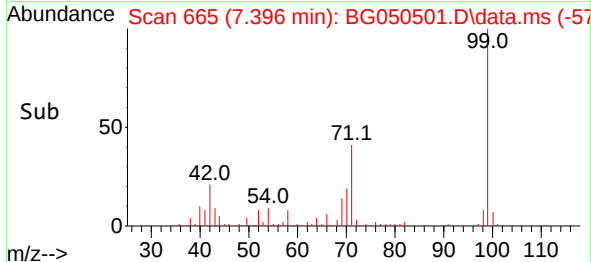
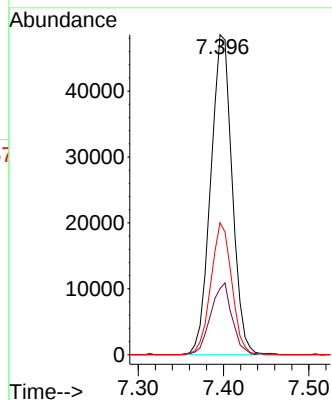
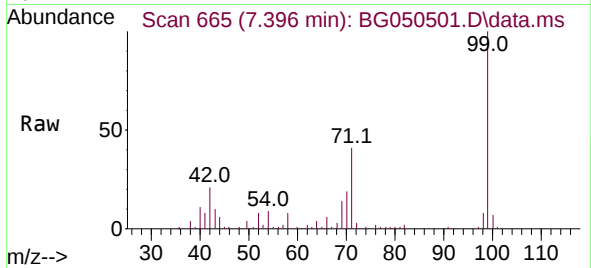




#7  
Phenol-d6  
Concen: 15.009 ng  
RT: 7.396 min Scan# 665  
Delta R.T. 0.002 min  
Lab File: BG050501.D  
Acq: 8 Oct 2021 3:21

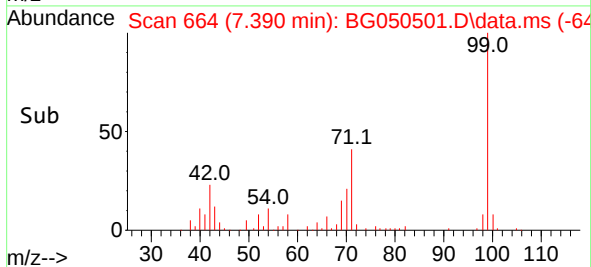
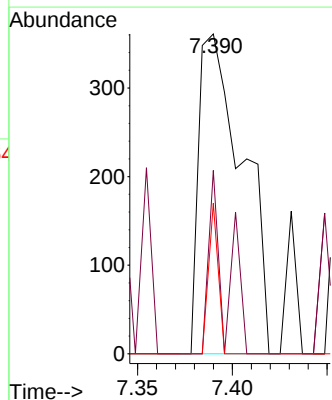
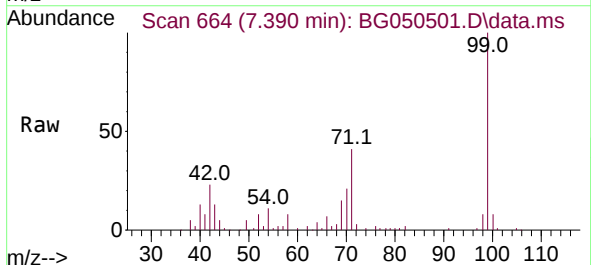
Instrument :  
BNA\_G  
ClientSampleId :  
SS-07(NA)

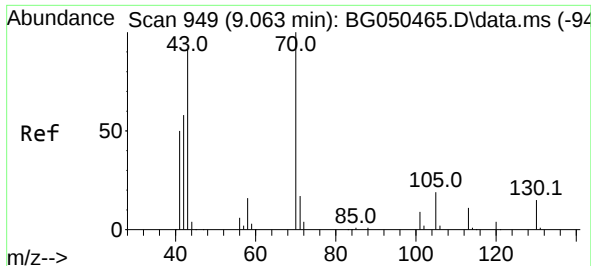
Tgt Ion: 99 Resp: 84745  
Ion Ratio Lower Upper  
99 100  
42 20.7 20.5 30.7  
71 41.2 41.5 62.3#



#9  
Benzaldehyde  
Concen: Below Cal  
RT: 7.390 min Scan# 664  
Delta R.T. -0.004 min  
Lab File: BG050501.D  
Acq: 8 Oct 2021 3:21

Tgt Ion: 77 Resp: 581  
Ion Ratio Lower Upper  
77 100  
105 57.3 68.8 108.8#  
106 47.1 47.9 87.9#

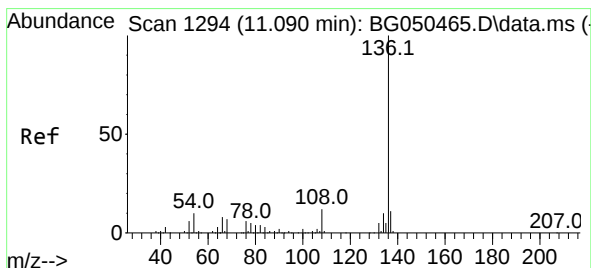
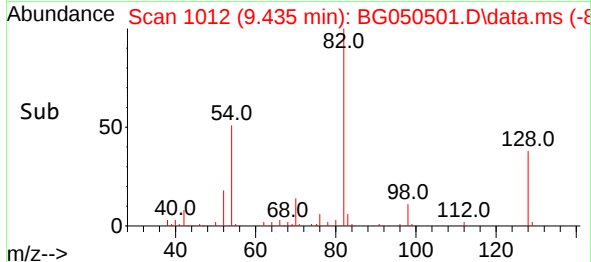
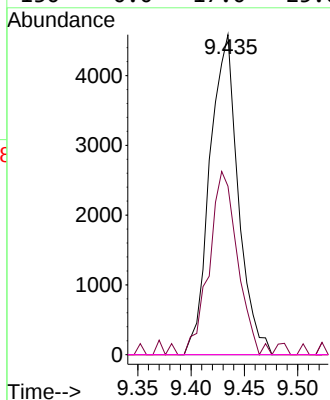
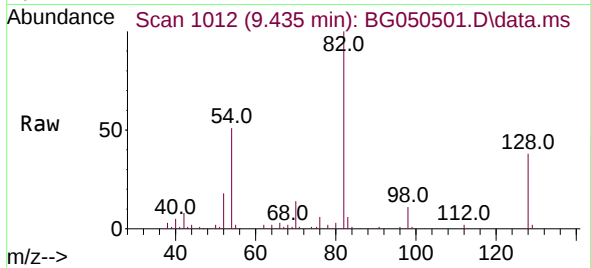




#19  
n-Nitroso-di-n-propylamine  
Concen: 2.062 ng  
RT: 9.435 min Scan# 1012  
Delta R.T. 0.372 min  
Lab File: BG050501.D  
Acq: 8 Oct 2021 3:21

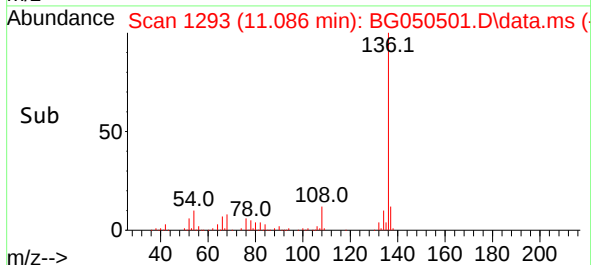
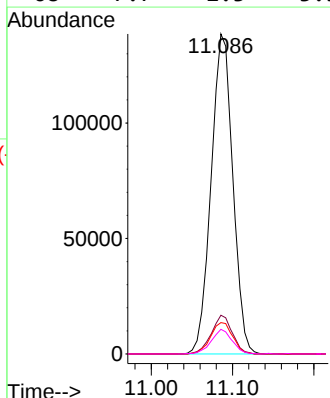
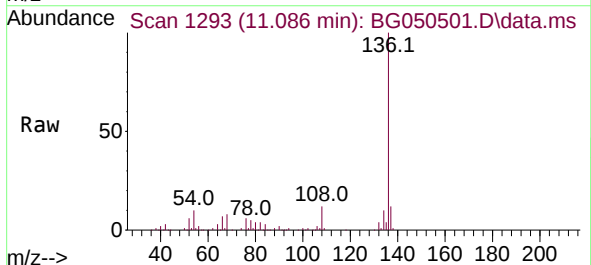
Instrument :  
BNA\_G  
ClientSampleId :  
SS-07(NA)

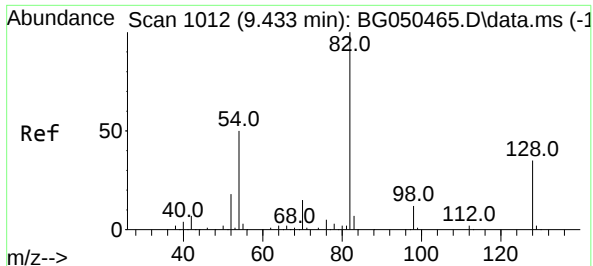
Tgt Ion: 70 Resp: 8484  
Ion Ratio Lower Upper  
70 100  
42 52.6 54.5 81.7#  
101 0.0 9.0 13.6#  
130 0.0 17.0 25.6#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.086 min Scan# 1293  
Delta R.T. -0.004 min  
Lab File: BG050501.D  
Acq: 8 Oct 2021 3:21

Tgt Ion:136 Resp: 256656  
Ion Ratio Lower Upper  
136 100  
137 12.1 8.2 12.2  
54 9.8 5.5 8.3#  
68 7.7 2.3 3.5#





#23

Nitrobenzene-d5

Concen: 9.945 ng

RT: 9.429 min Scan# 1011

Delta R.T. -0.004 min

Lab File: BG050501.D

Acq: 8 Oct 2021 3:21

Instrument :

BNA\_G

ClientSampleId :

SS-07(NA)

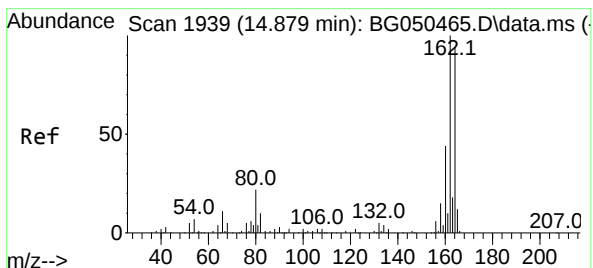
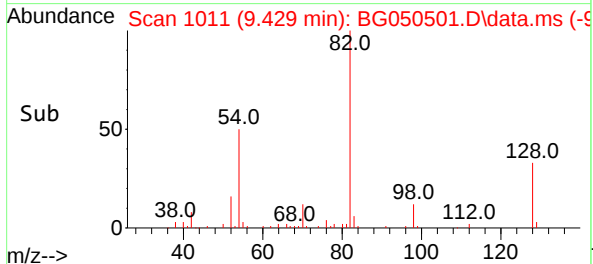
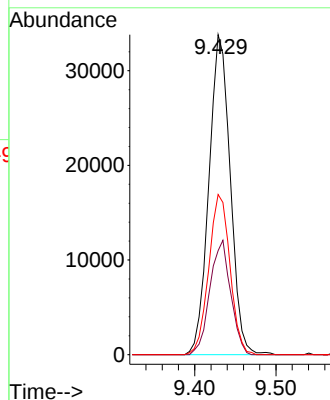
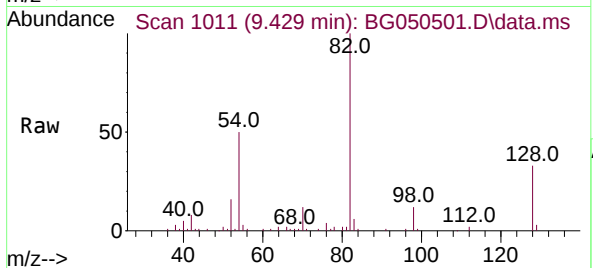
Tgt Ion: 82 Resp: 61661

Ion Ratio Lower Upper

82 100

128 32.5 29.8 44.6

54 50.1 45.8 68.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.881 min Scan# 1939

Delta R.T. 0.002 min

Lab File: BG050501.D

Acq: 8 Oct 2021 3:21

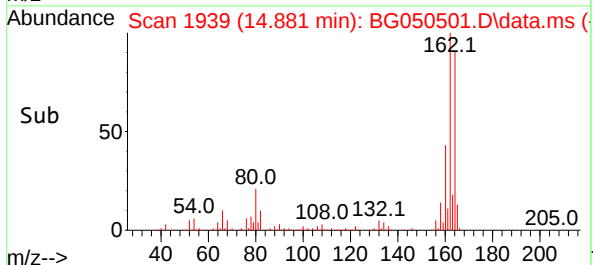
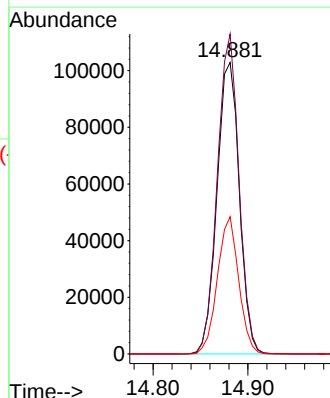
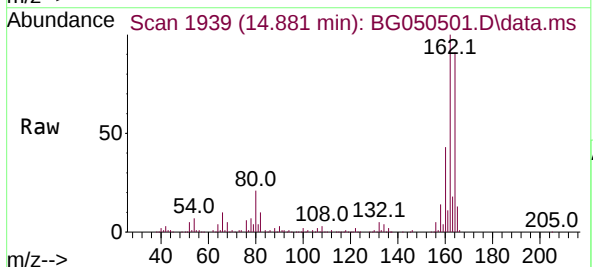
Tgt Ion:164 Resp: 169140

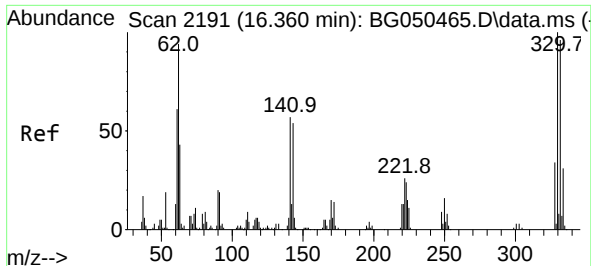
Ion Ratio Lower Upper

164 100

162 109.7 81.4 122.0

160 47.1 34.9 52.3

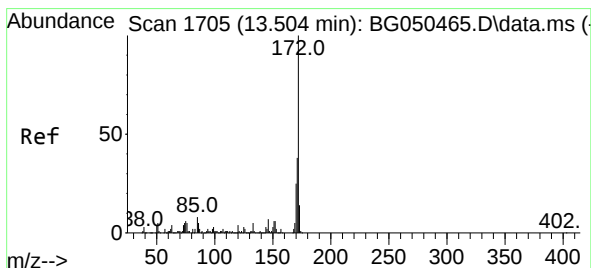
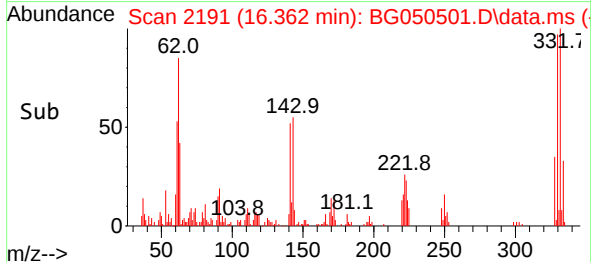
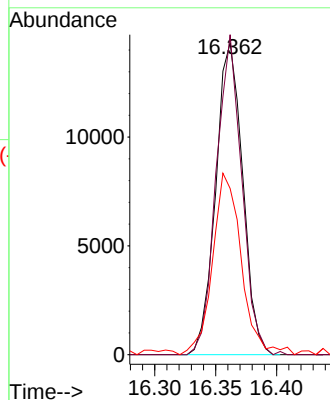
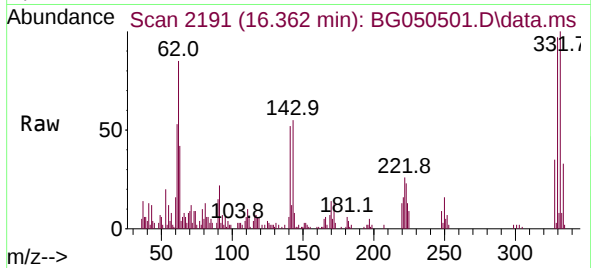




#42  
2,4,6-Tribromophenol  
Concen: 13.673 ng  
RT: 16.362 min Scan# 2191  
Delta R.T. 0.002 min  
Lab File: BG050501.D  
Acq: 8 Oct 2021 3:21

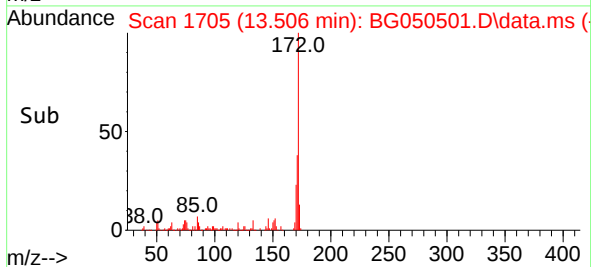
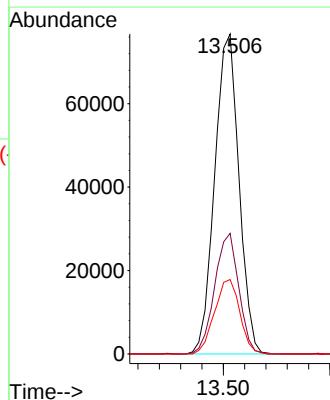
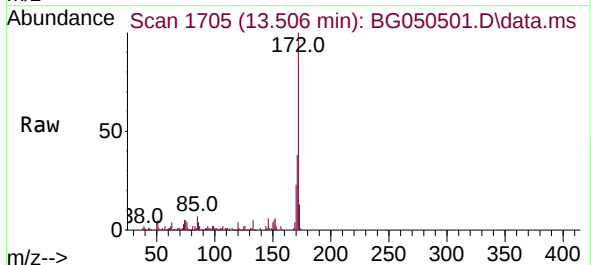
Instrument :  
BNA\_G  
ClientSampleId :  
SS-07(NA)

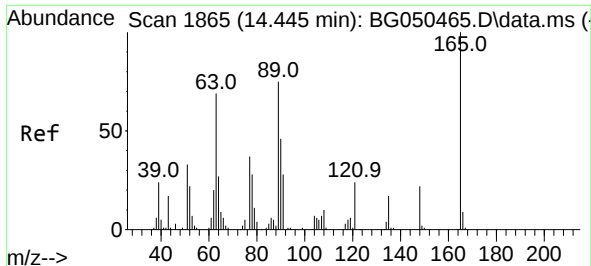
Tgt Ion:330 Resp: 22058  
Ion Ratio Lower Upper  
330 100  
332 97.1 77.3 115.9  
141 62.3 35.6 53.4#



#45  
2-Fluorobiphenyl  
Concen: 10.759 ng  
RT: 13.506 min Scan# 1705  
Delta R.T. 0.002 min  
Lab File: BG050501.D  
Acq: 8 Oct 2021 3:21

Tgt Ion:172 Resp: 120916  
Ion Ratio Lower Upper  
172 100  
171 37.7 28.6 43.0  
170 23.3 18.6 27.8

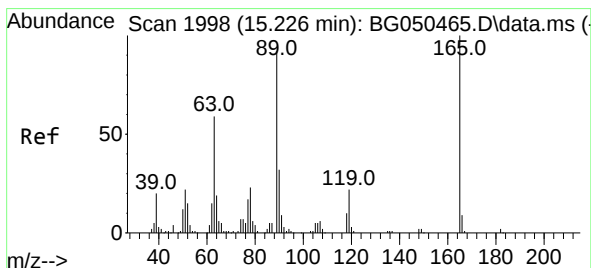
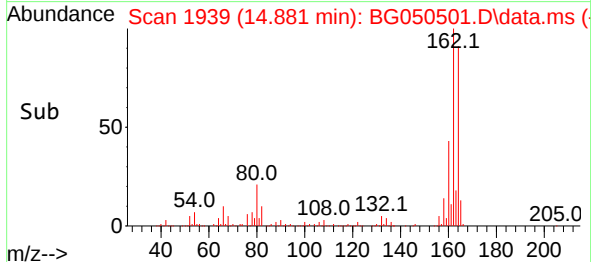
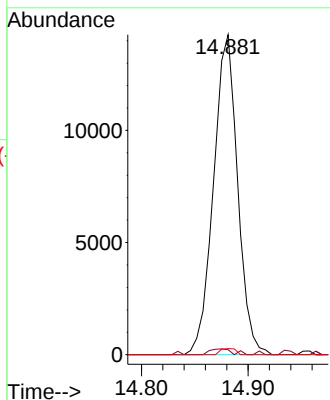
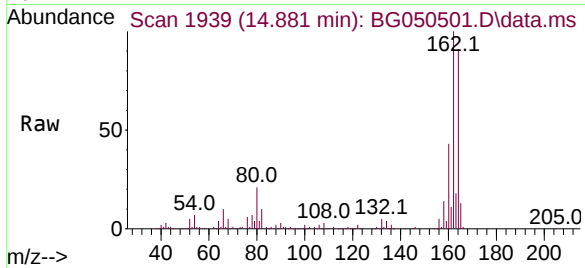




#51  
2,6-Dinitrotoluene  
Concen: 8.735 ng  
RT: 14.881 min Scan# 1939  
Delta R.T. 0.437 min  
Lab File: BG050501.D  
Acq: 8 Oct 2021 3:21

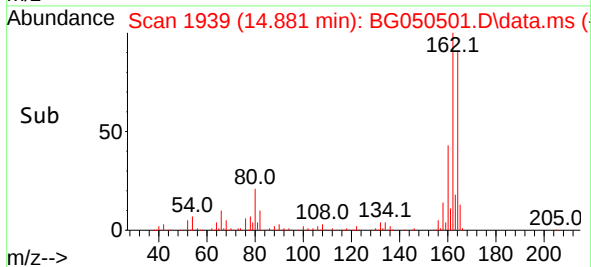
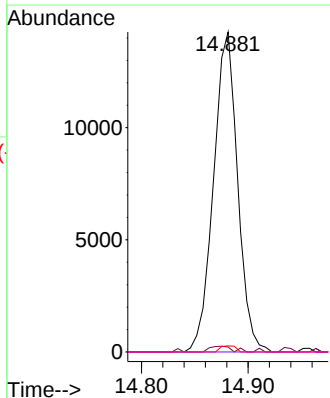
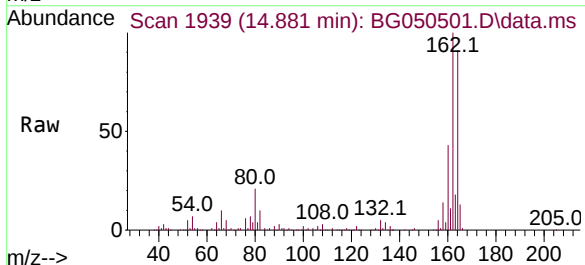
Instrument :  
BNA\_G  
ClientSampleId :  
SS-07(NA)

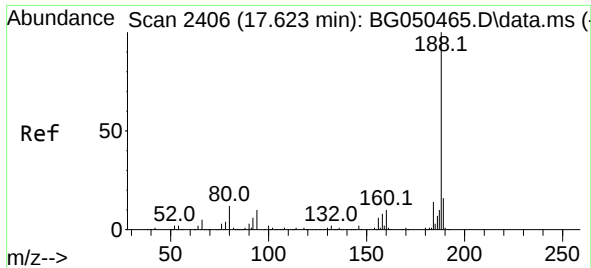
Tgt Ion:165 Resp: 22368  
Ion Ratio Lower Upper  
165 100  
63 1.6 63.3 94.9#  
89 1.9 63.4 95.0#



#57  
2,4-Dinitrotoluene  
Concen: 6.197 ng  
RT: 14.881 min Scan# 1939  
Delta R.T. -0.345 min  
Lab File: BG050501.D  
Acq: 8 Oct 2021 3:21

Tgt Ion:165 Resp: 22368  
Ion Ratio Lower Upper  
165 100  
63 1.6 48.0 72.0#  
89 1.9 65.4 98.0#  
182 0.0 2.0 3.0#

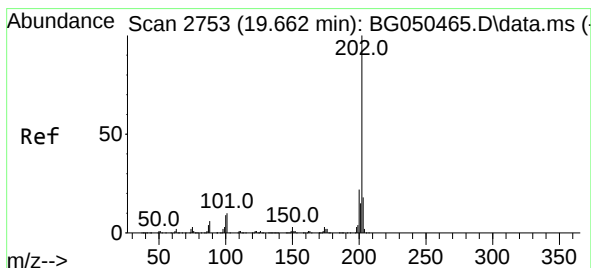
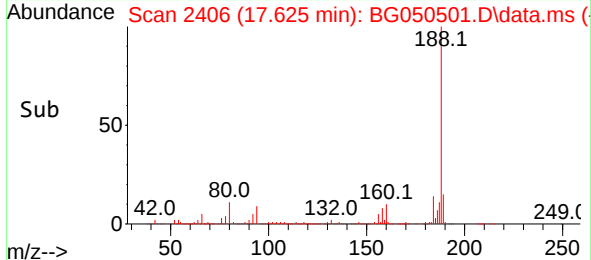
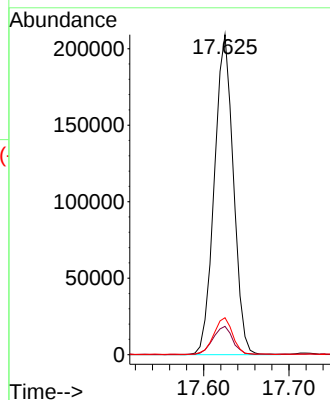
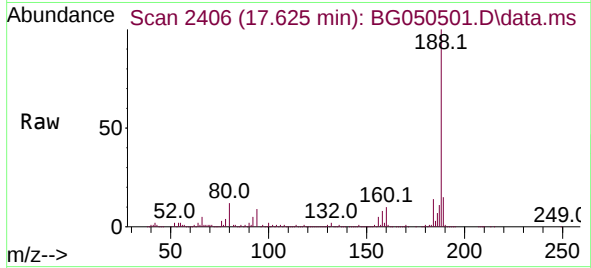




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.625 min Scan# 2406  
Delta R.T. 0.002 min  
Lab File: BG050501.D  
Acq: 8 Oct 2021 3:21

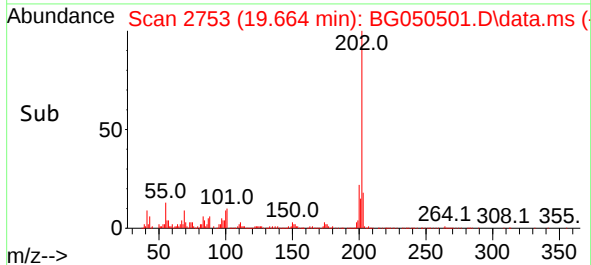
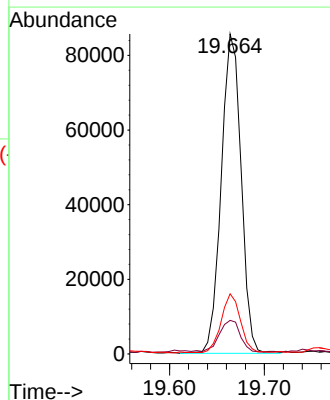
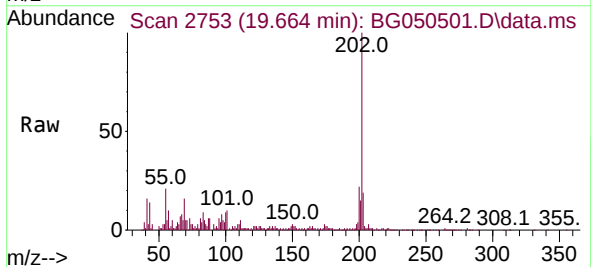
Instrument :  
BNA\_G  
ClientSampleId :  
SS-07(NA)

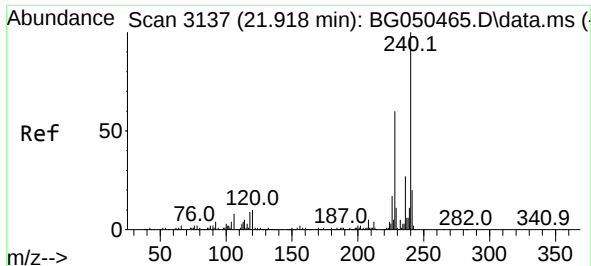
Tgt Ion:188 Resp: 324736  
Ion Ratio Lower Upper  
188 100  
94 8.8 5.4 8.0#  
80 11.6 3.7 5.5#



#75  
Fluoranthene  
Concen: 5.945 ng  
RT: 19.664 min Scan# 2753  
Delta R.T. 0.002 min  
Lab File: BG050501.D  
Acq: 8 Oct 2021 3:21

Tgt Ion:202 Resp: 125049  
Ion Ratio Lower Upper  
202 100  
101 10.5 0.0 24.7  
203 18.8 0.0 38.5

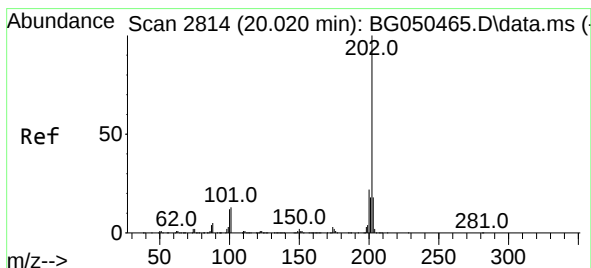
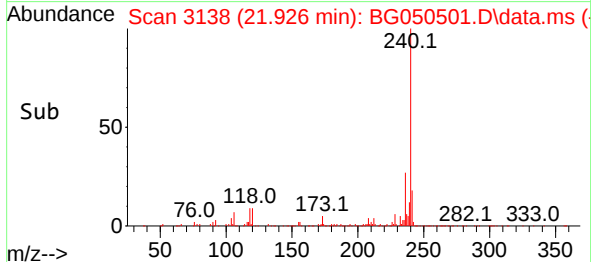
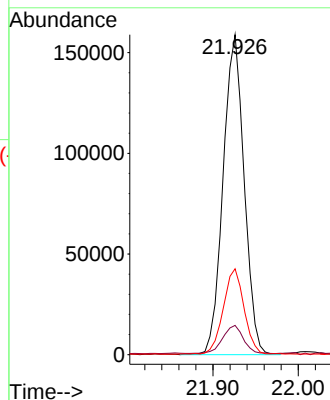
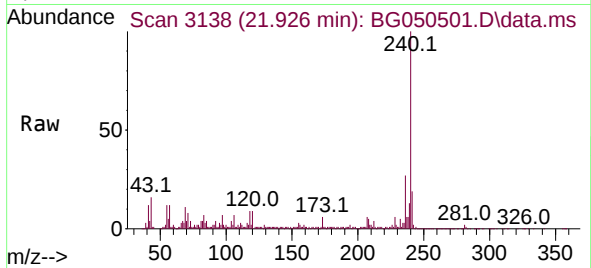




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.926 min Scan# 3138  
Delta R.T. 0.008 min  
Lab File: BG050501.D  
Acq: 8 Oct 2021 3:21

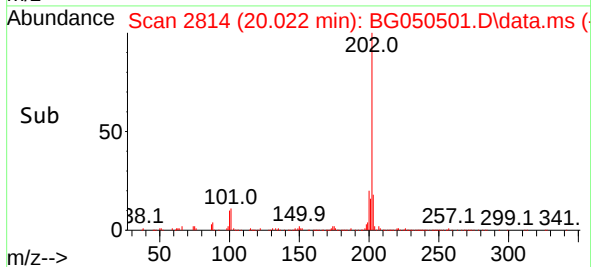
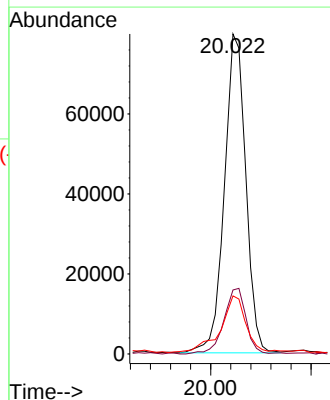
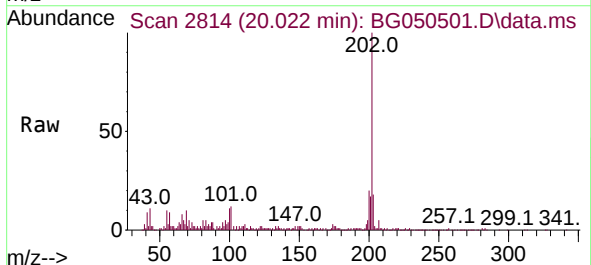
Instrument :  
BNA\_G  
ClientSampleId :  
SS-07(NA)

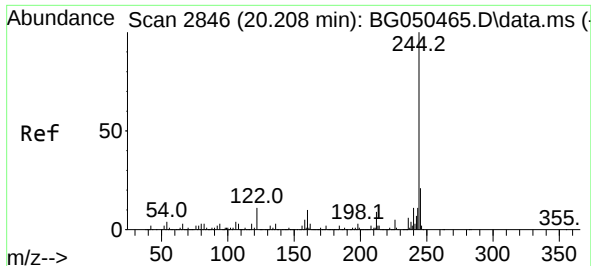
Tgt Ion:240 Resp: 272954  
Ion Ratio Lower Upper  
240 100  
120 9.1 4.2 6.2#  
236 26.8 21.8 32.6



#78  
Pyrene  
Concen: 6.093 ng  
RT: 20.022 min Scan# 2814  
Delta R.T. 0.002 min  
Lab File: BG050501.D  
Acq: 8 Oct 2021 3:21

Tgt Ion:202 Resp: 117996  
Ion Ratio Lower Upper  
202 100  
200 20.0 15.8 23.8  
203 18.1 14.6 21.8

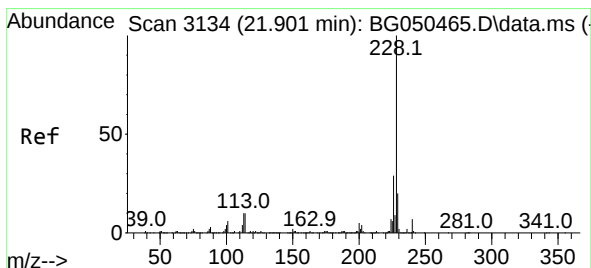
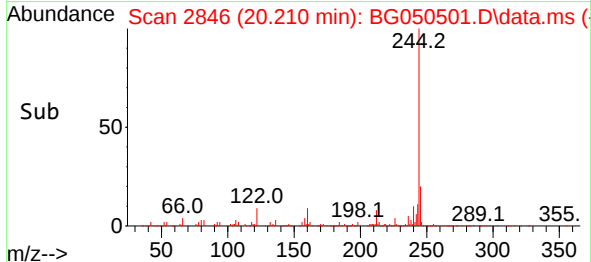
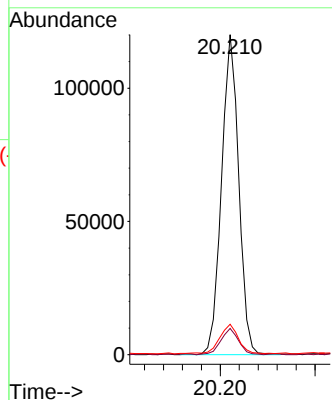
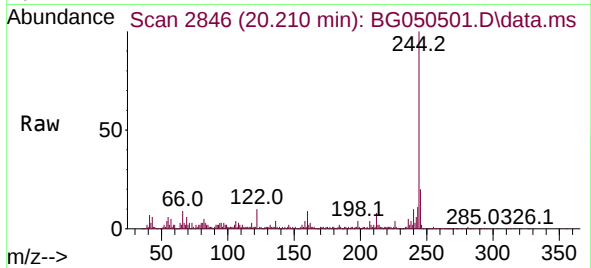




#79  
 Terphenyl-d14  
 Concen: 10.823 ng  
 RT: 20.210 min Scan# 2846  
 Delta R.T. 0.002 min  
 Lab File: BG050501.D  
 Acq: 8 Oct 2021 3:21

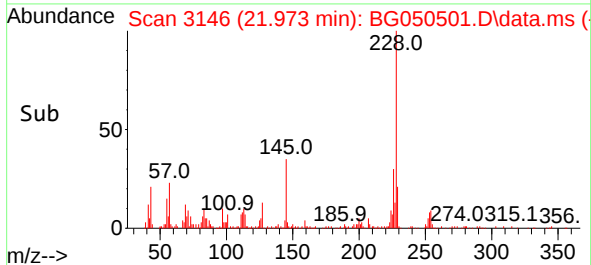
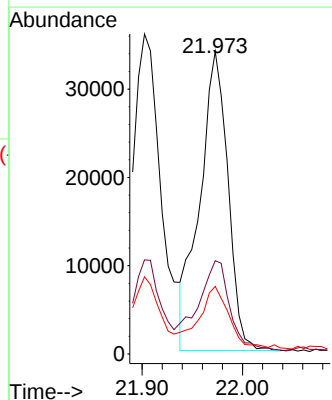
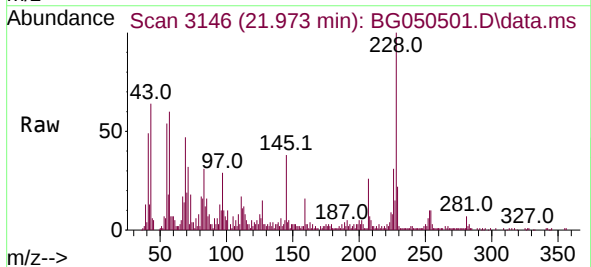
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SS-07(NA)

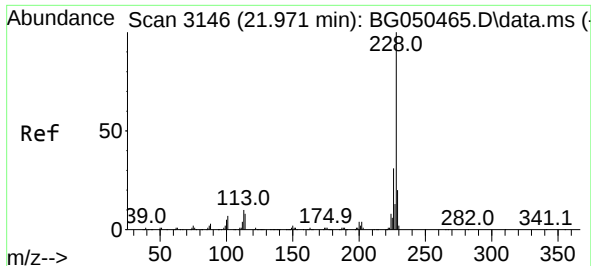
Tgt Ion:244 Resp: 151591  
 Ion Ratio Lower Upper  
 244 100  
 212 8.2 6.9 10.3  
 122 9.5 5.0 7.6#



#81  
 Benzo(a)anthracene  
 Concen: 3.676 ng  
 RT: 21.973 min Scan# 3146  
 Delta R.T. 0.072 min  
 Lab File: BG050501.D  
 Acq: 8 Oct 2021 3:21

Tgt Ion:228 Resp: 66397  
 Ion Ratio Lower Upper  
 228 100  
 226 30.8 22.7 34.1  
 229 22.3 16.0 24.0

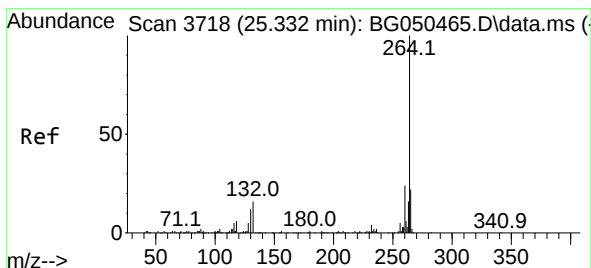
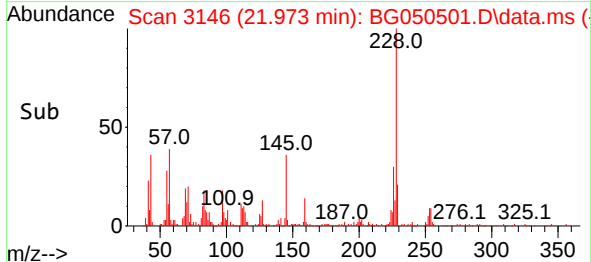
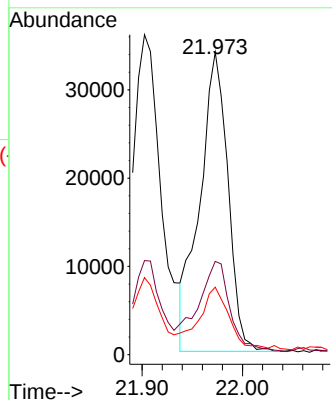
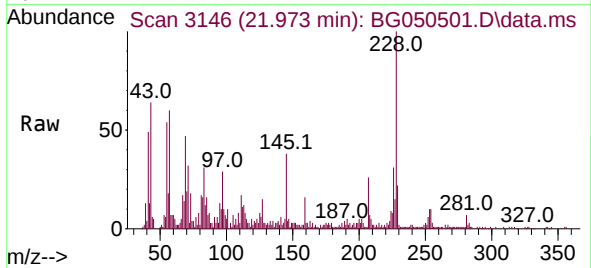




#83  
Chrysene  
Concen: 3.908 ng  
RT: 21.973 min Scan# 3146  
Delta R.T. 0.002 min  
Lab File: BG050501.D  
Acq: 8 Oct 2021 3:21

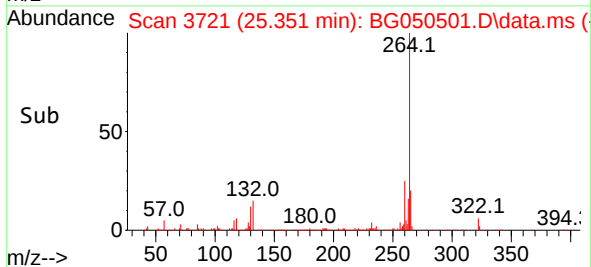
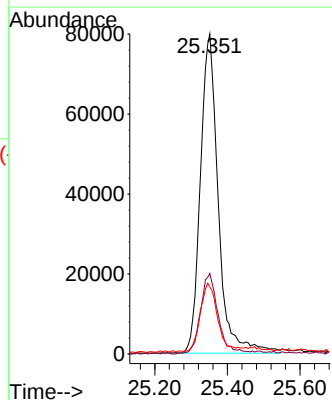
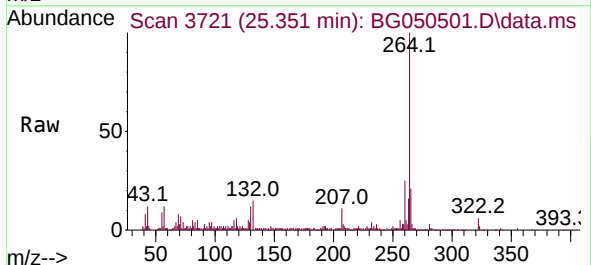
Instrument :  
BNA\_G  
ClientSampleId :  
SS-07(NA)

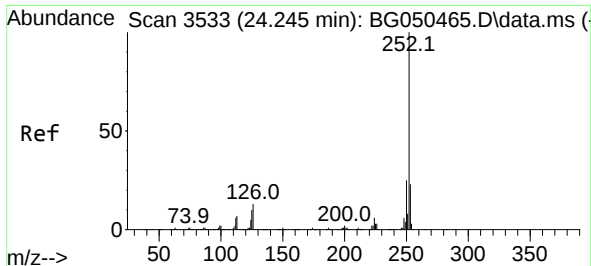
Tgt Ion:228 Resp: 66397  
Ion Ratio Lower Upper  
228 100  
226 30.8 23.1 34.7  
229 22.3 15.3 22.9



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 25.351 min Scan# 3721  
Delta R.T. 0.019 min  
Lab File: BG050501.D  
Acq: 8 Oct 2021 3:21

Tgt Ion:264 Resp: 273117  
Ion Ratio Lower Upper  
264 100  
260 25.2 19.4 29.2  
265 20.9 16.9 25.3

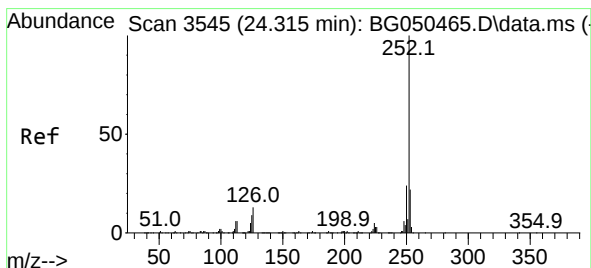
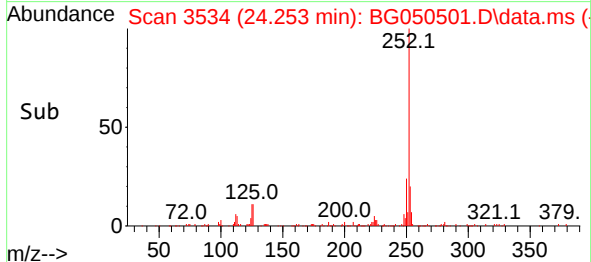
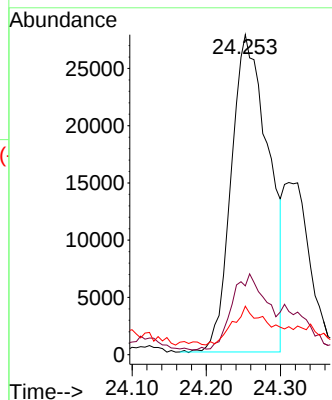
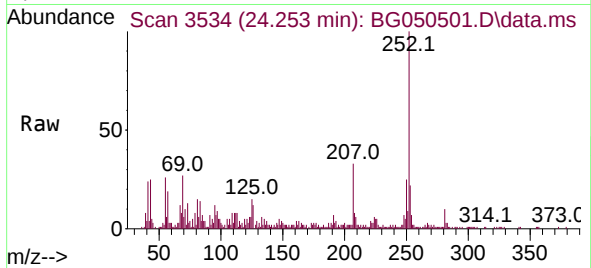




#88  
Benzo(b)fluoranthene  
Concen: 5.785 ng  
RT: 24.253 min Scan# 3534  
Delta R.T. 0.008 min  
Lab File: BG050501.D  
Acq: 8 Oct 2021 3:21

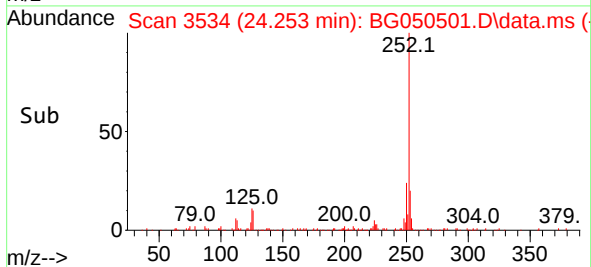
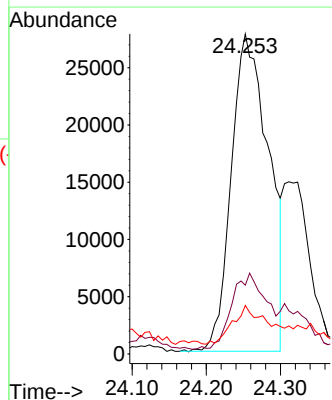
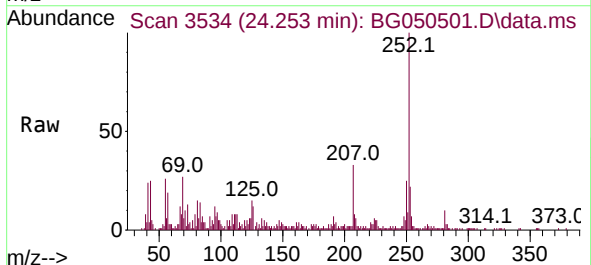
Instrument :  
BNA\_G  
ClientSampled :  
SS-07(NA)

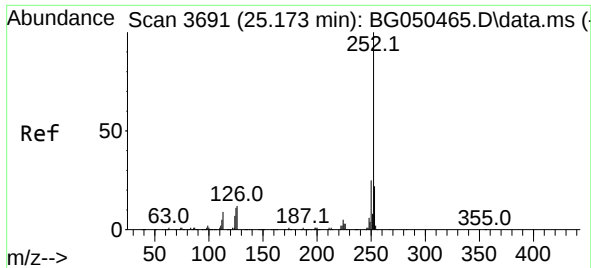
Tgt Ion:252 Resp: 96765  
Ion Ratio Lower Upper  
252 100  
253 21.5 16.2 24.4  
125 15.2 3.0 4.4#



#89  
Benzo(k)fluoranthene  
Concen: 5.881 ng  
RT: 24.253 min Scan# 3534  
Delta R.T. -0.063 min  
Lab File: BG050501.D  
Acq: 8 Oct 2021 3:21

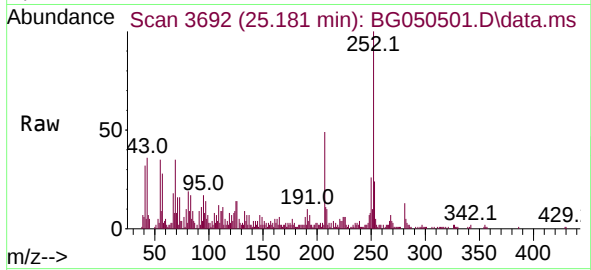
Tgt Ion:252 Resp: 96765  
Ion Ratio Lower Upper  
252 100  
253 21.5 18.0 27.0  
125 15.2 3.1 4.7#





#90  
Benzo(a)pyrene  
Concen: 4.089 ng  
RT: 25.181 min Scan# 3692  
Delta R.T. 0.008 min  
Lab File: BG050501.D  
Acq: 8 Oct 2021 3:21

Instrument :  
BNA\_G  
ClientSampleId :  
SS-07(NA)



Tgt Ion:252 Resp: 58150  
Ion Ratio Lower Upper  
252 100  
253 23.6 16.6 25.0  
125 14.2 3.5 5.3#

