

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG081221\  
 Data File : BG049814.D  
 Acq On : 12 Aug 2021 12:17  
 Operator : CG/JU  
 Sample : M3333-01  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 124055

Quant Time: Aug 12 12:51:43 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

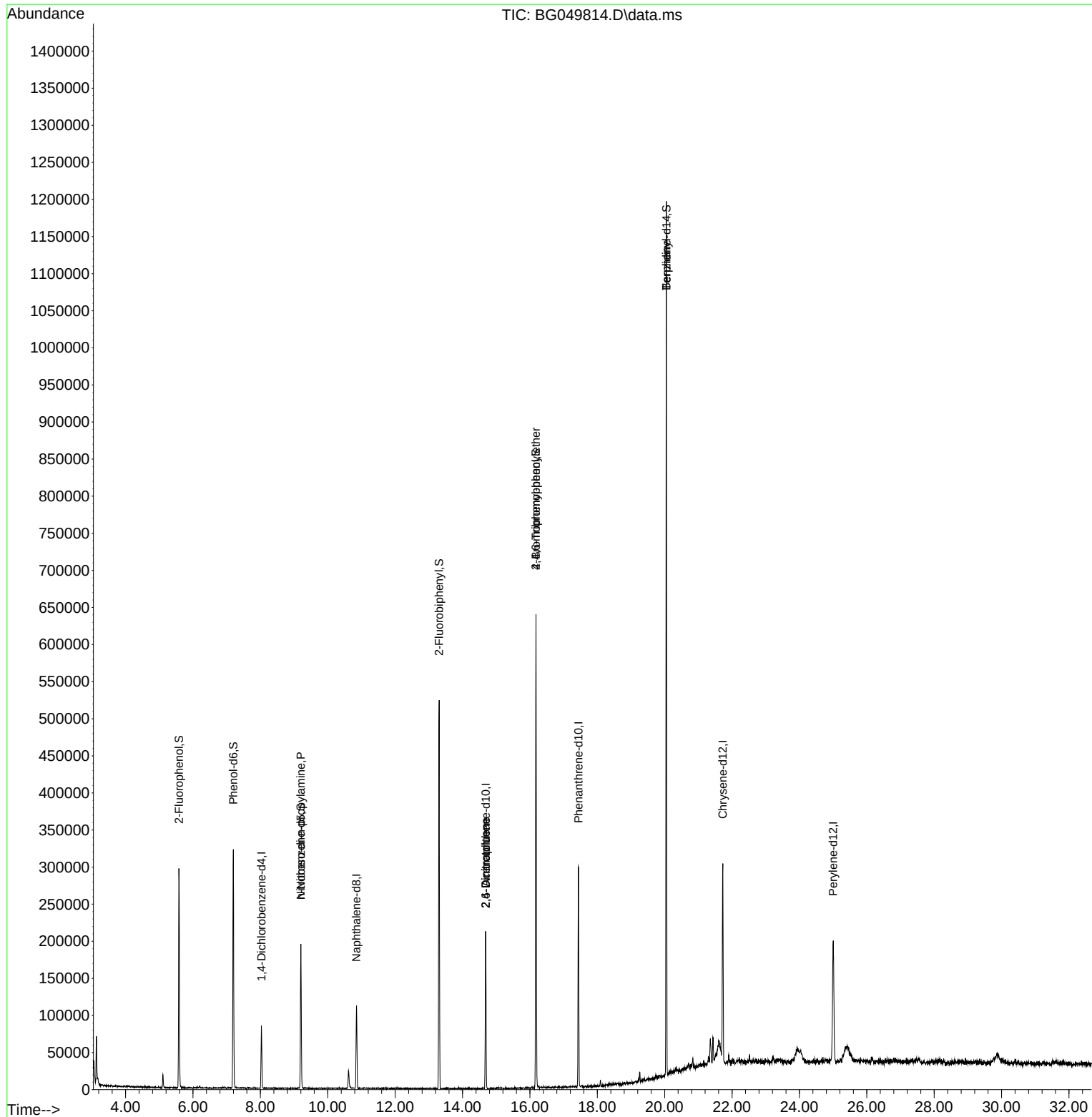
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.031  | 152  | 22235    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.851 | 136  | 94278    | 20.000  | ng    | #-0.02   |
| 39) Acenaphthene-d10          | 14.687 | 164  | 77574    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.442 | 188  | 186323   | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.724 | 240  | 164824   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 25.002 | 264  | 172217   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.581  | 112  | 118427   | 95.477  | ng    | 0.00     |
| 7) Phenol-d6                  | 7.197  | 99   | 171302   | 91.235  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.200  | 82   | 117041   | 54.935  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol      | 16.179 | 330  | 119755   | 105.027 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.306 | 172  | 262249   | 49.191  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.050 | 244  | 531466   | 58.562  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 9.200  | 70   | 16392    | 13.046  | ng    | # 67     |
| 51) 2,6-Dinitrotoluene        | 14.693 | 165  | 10504    | 8.151   | ng    | # 10     |
| 57) 2,4-Dinitrotoluene        | 14.693 | 165  | 10504    | 5.804   | ng    | # 15     |
| 67) 4-Bromophenyl-phenylether | 16.179 | 248  | 7424     | 3.383   | ng    | # 1      |
| 77) Benzidine                 | 20.050 | 184  | 11372    | 2.693   | ng    | 96       |
| -----                         |        |      |          |         |       |          |

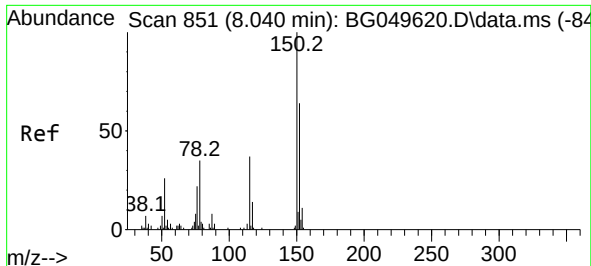
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG081221\  
Data File : BG049814.D  
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Operator : CG/JU  
Sample : M3333-01  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
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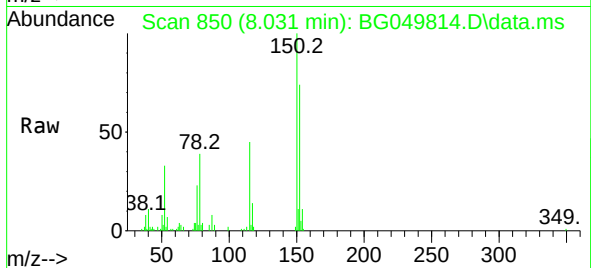
Quant Time: Aug 12 12:51:43 2021  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG080321.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Aug 03 15:15:33 2021  
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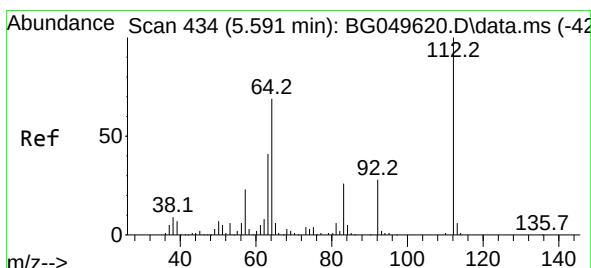
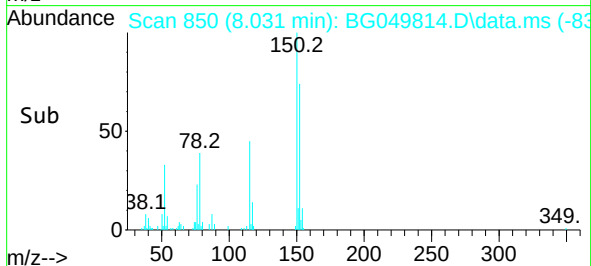
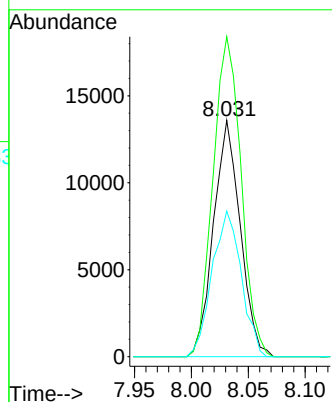


#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.031 min Scan# 850  
Delta R.T. -0.009 min  
Lab File: BG049814.D  
Acq: 12 Aug 2021 12:17

Instrument :  
BNA\_G  
ClientSampleId :  
124055

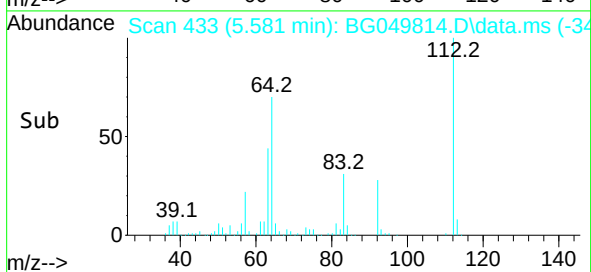
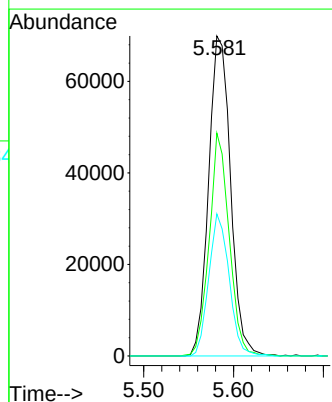
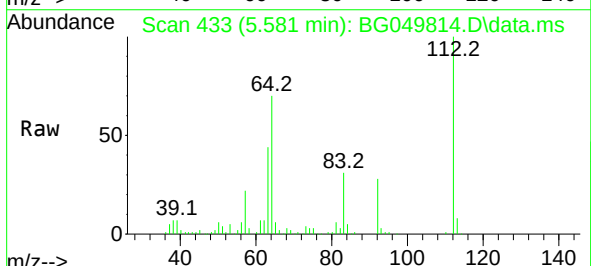


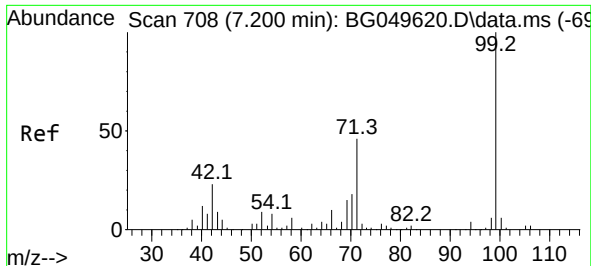
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 135.4 | 119.4 | 179.0 |
| 115     | 61.6  | 60.2  | 90.4  |



#5  
2-Fluorophenol  
Concen: 95.477 ng  
RT: 5.581 min Scan# 433  
Delta R.T. -0.009 min  
Lab File: BG049814.D  
Acq: 12 Aug 2021 12:17

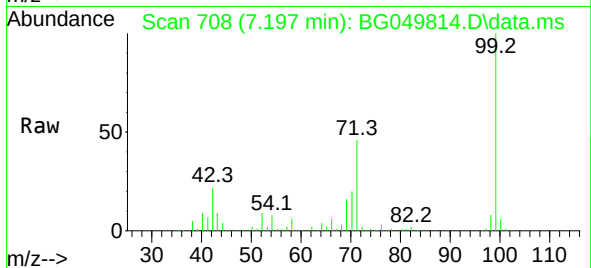
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 69.7  | 46.7  | 70.1  |
| 63      | 44.4  | 35.3  | 52.9  |



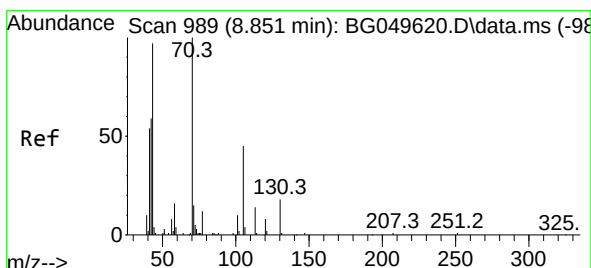
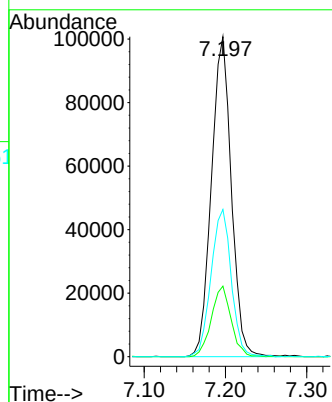
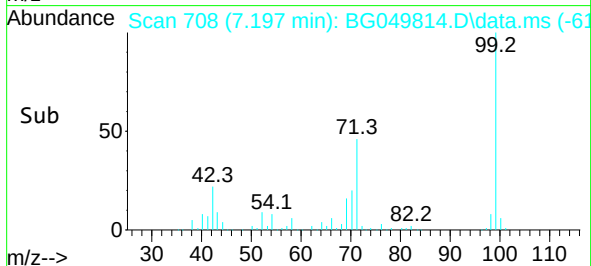


#7  
Phenol-d6  
Concen: 91.235 ng  
RT: 7.197 min Scan# 708  
Delta R.T. -0.003 min  
Lab File: BG049814.D  
Acq: 12 Aug 2021 12:17

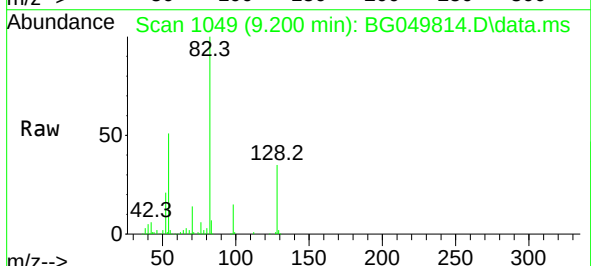
Instrument :  
BNA\_G  
ClientSampleId :  
124055



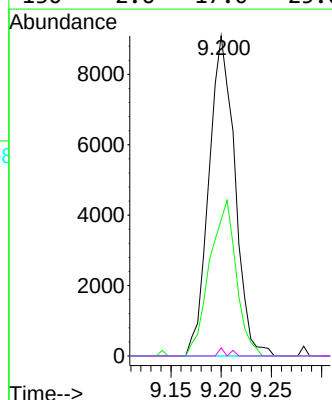
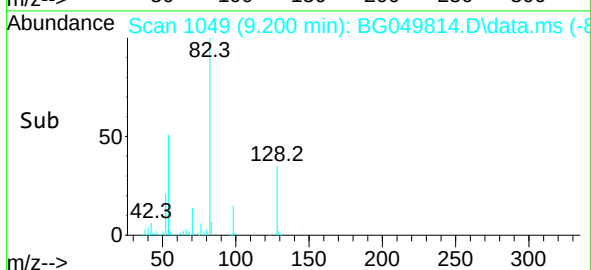
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 99      | 100   |       |       |
| 42      | 22.1  | 20.5  | 30.7  |
| 71      | 46.0  | 41.5  | 62.3  |

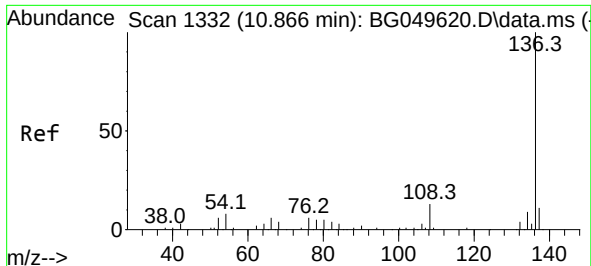


#19  
n-Nitroso-di-n-propylamine  
Concen: 13.046 ng  
RT: 9.200 min Scan# 1049  
Delta R.T. 0.349 min  
Lab File: BG049814.D  
Acq: 12 Aug 2021 12:17



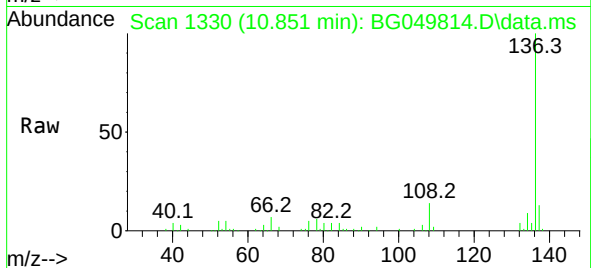
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 42.5  | 54.5  | 81.7# |
| 101     | 0.0   | 9.0   | 13.6# |
| 130     | 2.6   | 17.0  | 25.6# |



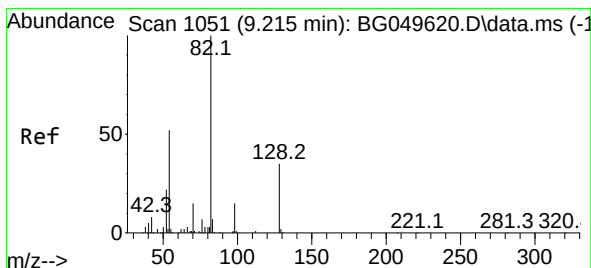
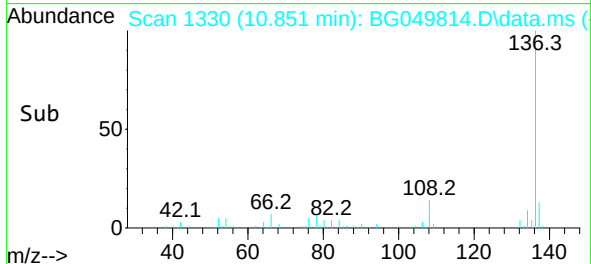
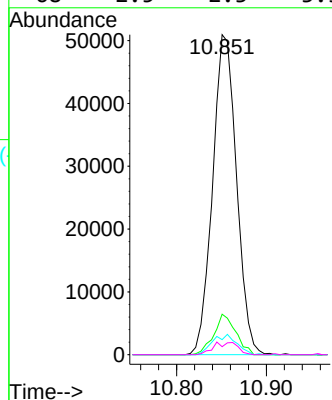


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.851 min Scan# 1330  
Delta R.T. -0.015 min  
Lab File: BG049814.D  
Acq: 12 Aug 2021 12:17

Instrument :  
BNA\_G  
ClientSampleId :  
124055

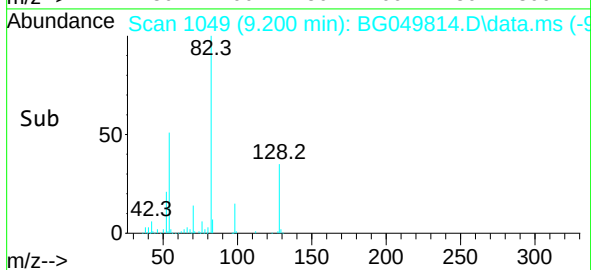
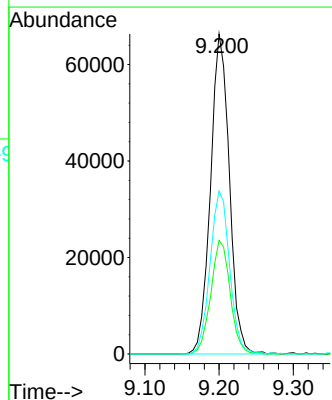
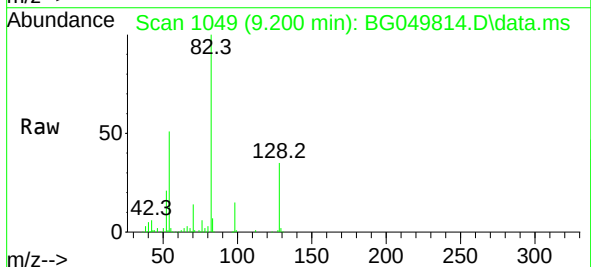


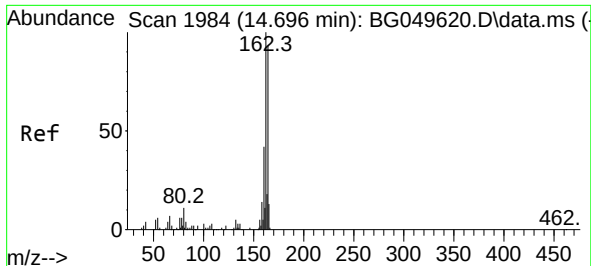
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 136   | Resp: | 94278 |
| Ion Ratio | Lower | Upper |       |
| 136       | 100   |       |       |
| 137       | 12.7  | 8.2   | 12.2# |
| 54        | 4.7   | 5.5   | 8.3#  |
| 68        | 2.5   | 2.3   | 3.5   |



#23  
Nitrobenzene-d5  
Concen: 54.935 ng  
RT: 9.200 min Scan# 1049  
Delta R.T. -0.015 min  
Lab File: BG049814.D  
Acq: 12 Aug 2021 12:17

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 82    | Resp: | 117041 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 35.5  | 29.8  | 44.6   |
| 54        | 50.9  | 45.8  | 68.8   |

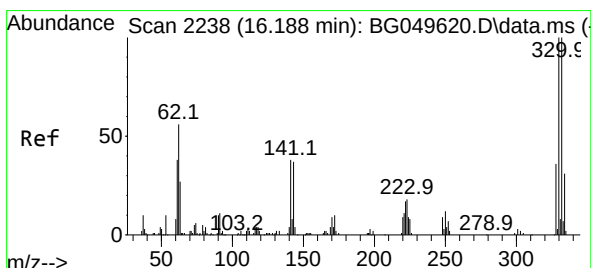
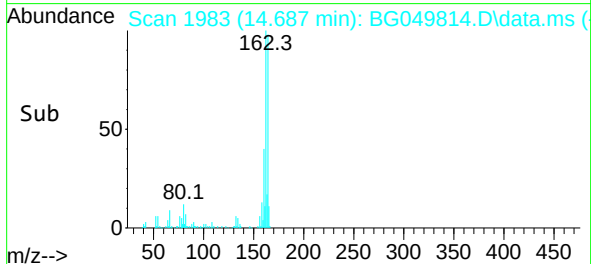
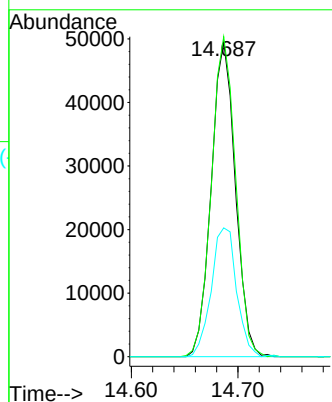
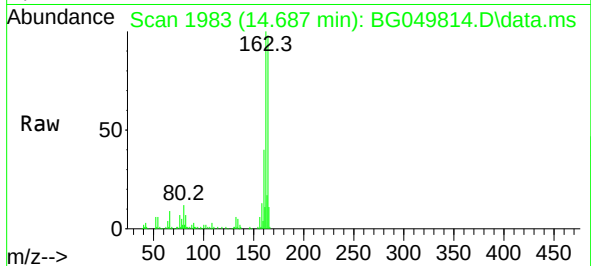




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.687 min Scan# 1983  
Delta R.T. -0.009 min  
Lab File: BG049814.D  
Acq: 12 Aug 2021 12:17

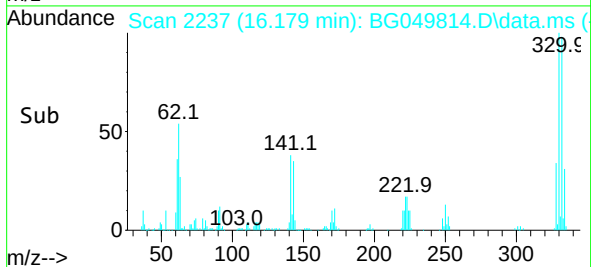
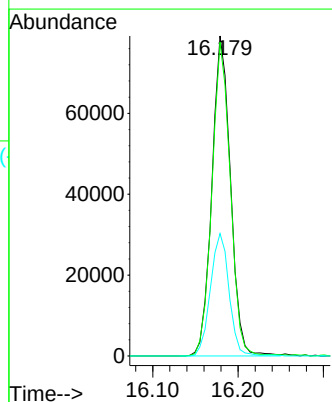
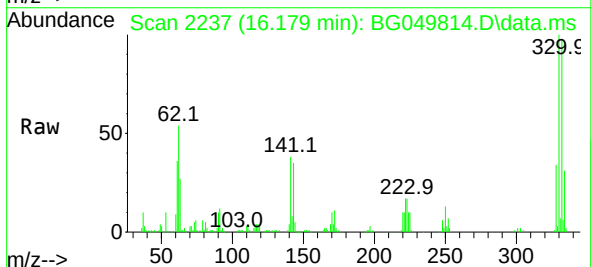
Instrument :  
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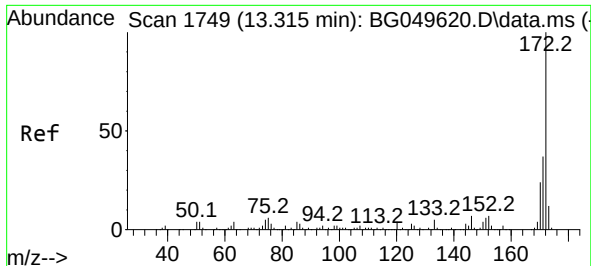
Tgt Ion:164 Resp: 77574  
Ion Ratio Lower Upper  
164 100  
162 101.7 81.4 122.0  
160 41.0 34.9 52.3



#42  
2,4,6-Tribromophenol  
Concen: 105.027 ng  
RT: 16.179 min Scan# 2237  
Delta R.T. -0.009 min  
Lab File: BG049814.D  
Acq: 12 Aug 2021 12:17

Tgt Ion:330 Resp: 119755  
Ion Ratio Lower Upper  
330 100  
332 96.9 77.3 115.9  
141 38.4 35.6 53.4

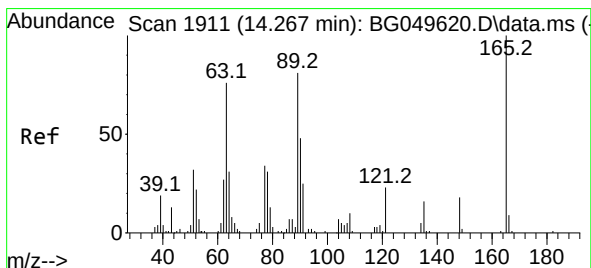
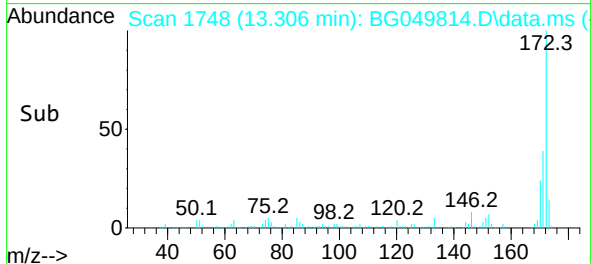
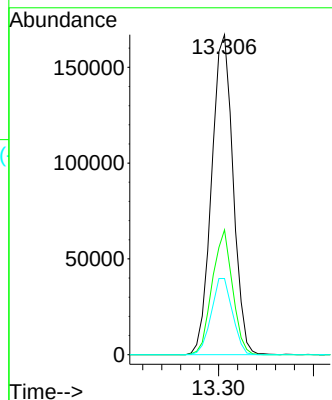
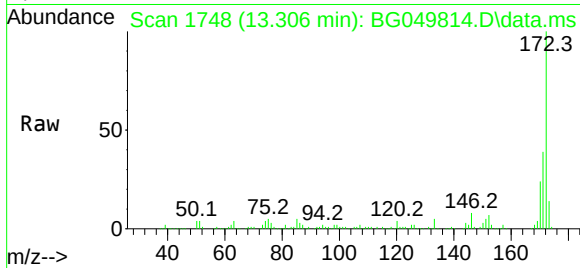




#45  
2-Fluorobiphenyl  
Concen: 49.191 ng  
RT: 13.306 min Scan# 1748  
Delta R.T. -0.009 min  
Lab File: BG049814.D  
Acq: 12 Aug 2021 12:17

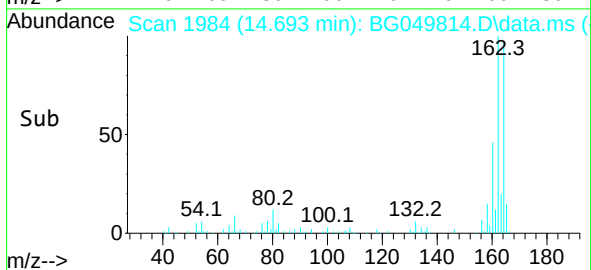
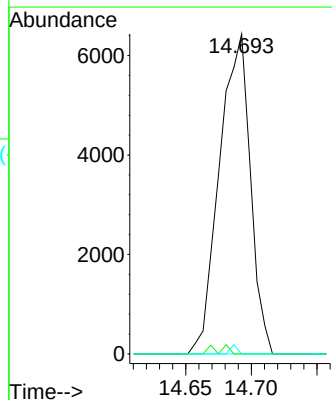
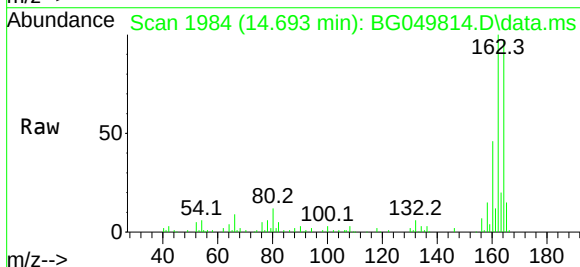
Instrument :  
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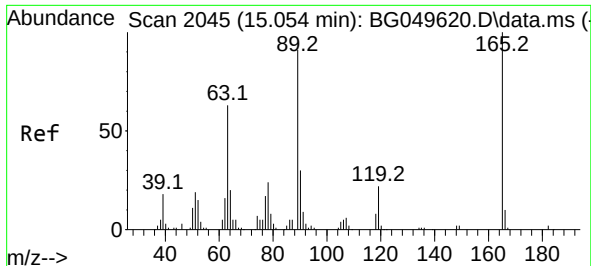
Tgt Ion:172 Resp: 262249  
Ion Ratio Lower Upper  
172 100  
171 39.0 28.6 43.0  
170 23.8 18.6 27.8



#51  
2,6-Dinitrotoluene  
Concen: 8.151 ng  
RT: 14.693 min Scan# 1984  
Delta R.T. 0.425 min  
Lab File: BG049814.D  
Acq: 12 Aug 2021 12:17

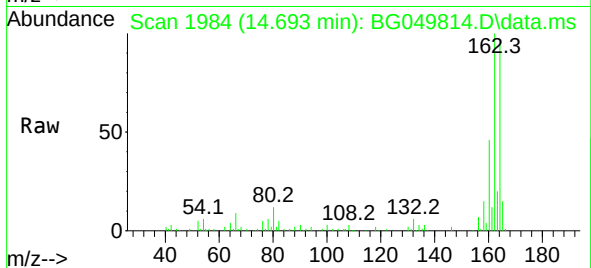
Tgt Ion:165 Resp: 10504  
Ion Ratio Lower Upper  
165 100  
63 0.0 63.3 94.9#  
89 0.0 63.4 95.0#



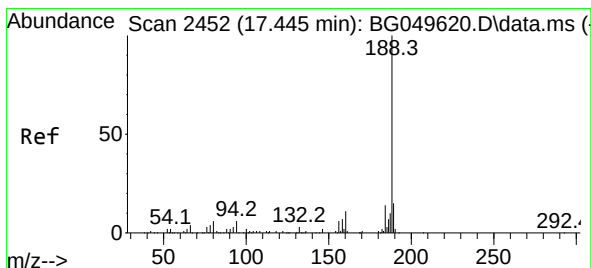
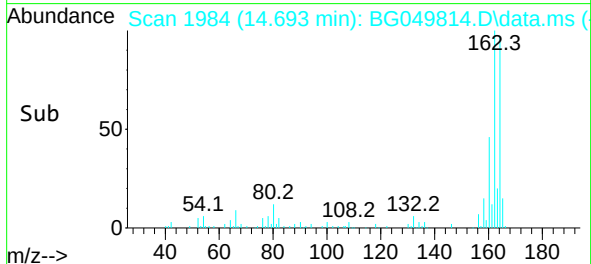
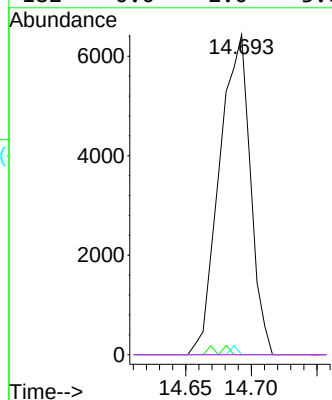


#57  
2,4-Dinitrotoluene  
Concen: 5.804 ng  
RT: 14.693 min Scan# 1984  
Delta R.T. -0.362 min  
Lab File: BG049814.D  
Acq: 12 Aug 2021 12:17

Instrument :  
BNA\_G  
ClientSampleId :  
124055

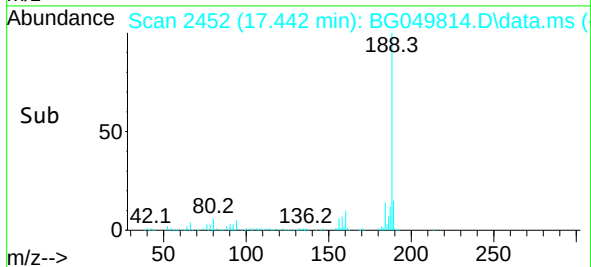
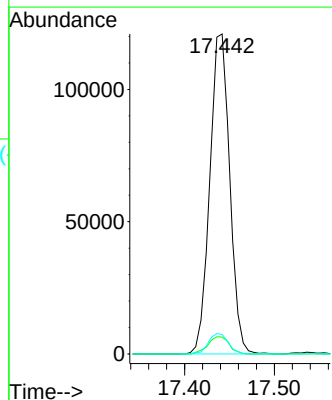
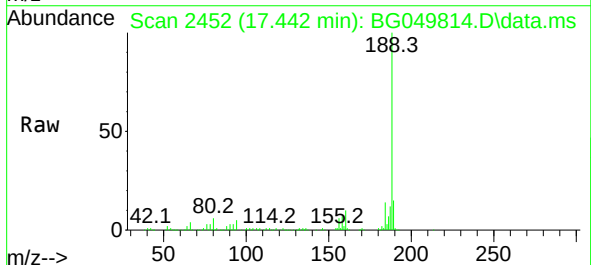


Tgt Ion:165 Resp: 10504  
Ion Ratio Lower Upper  
165 100  
63 0.0 48.0 72.0#  
89 0.0 65.4 98.0#  
182 0.0 2.0 3.0#

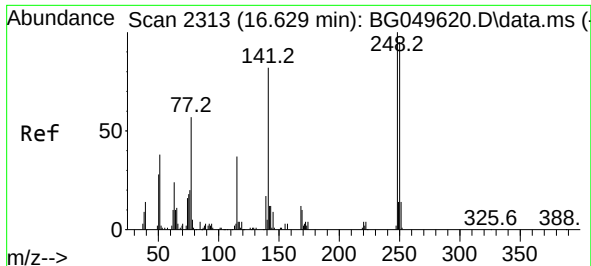


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.442 min Scan# 2452  
Delta R.T. -0.003 min  
Lab File: BG049814.D  
Acq: 12 Aug 2021 12:17

Tgt Ion:188 Resp: 186323  
Ion Ratio Lower Upper  
188 100  
94 5.3 5.4 8.0#  
80 6.1 3.7 5.5#



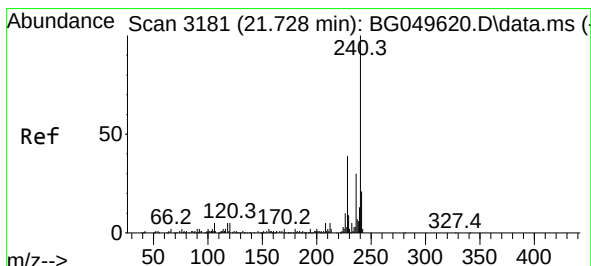
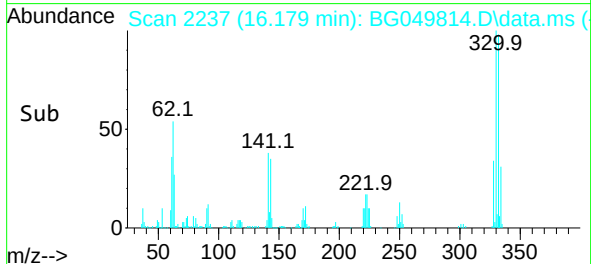
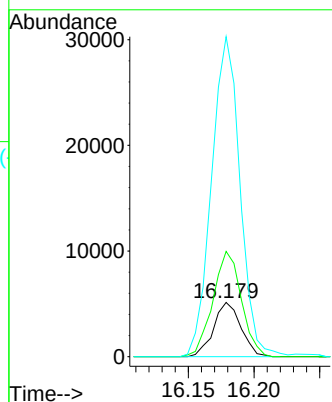
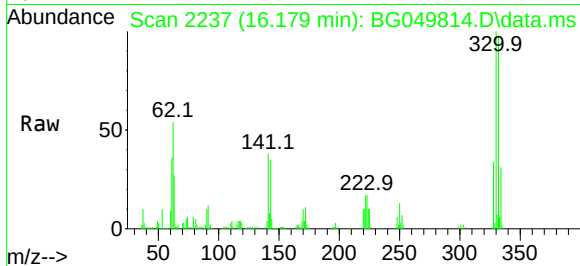




#67  
4-Bromophenyl-phenylether  
Concen: 3.383 ng  
RT: 16.179 min Scan# 2237  
Delta R.T. -0.450 min  
Lab File: BG049814.D  
Acq: 12 Aug 2021 12:17

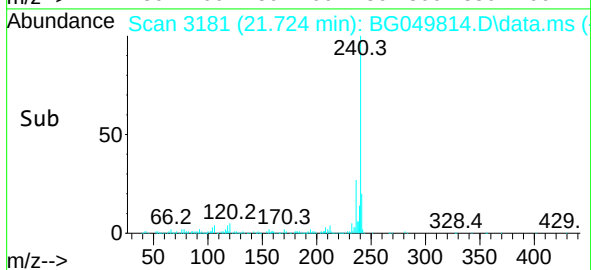
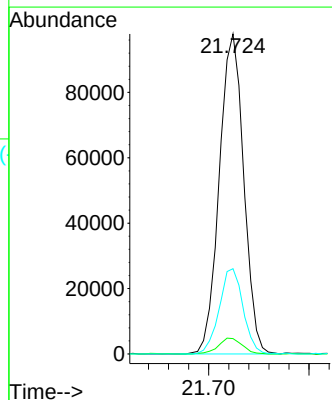
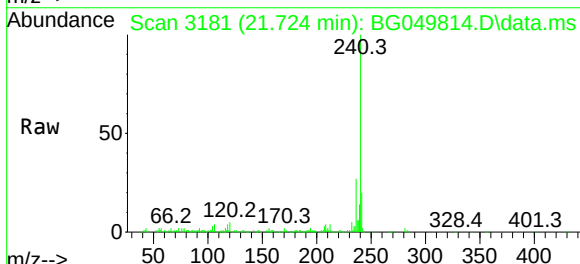
Instrument :  
BNA\_G  
ClientSampleId :  
124055

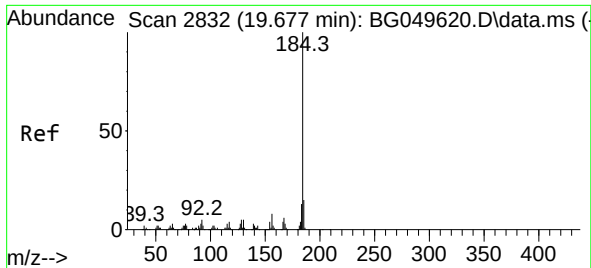
Tgt Ion:248 Resp: 7424  
Ion Ratio Lower Upper  
248 100  
250 194.4 76.1 114.1#  
141 590.8 65.4 98.2#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.724 min Scan# 3181  
Delta R.T. -0.003 min  
Lab File: BG049814.D  
Acq: 12 Aug 2021 12:17

Tgt Ion:240 Resp: 164824  
Ion Ratio Lower Upper  
240 100  
120 4.8 4.2 6.2  
236 26.6 21.8 32.6

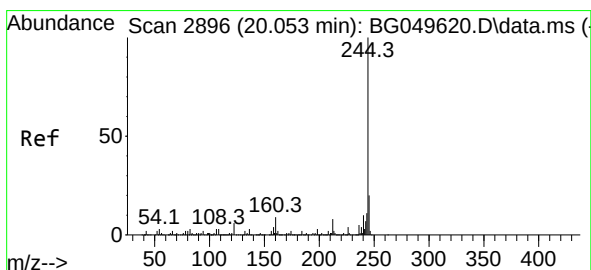
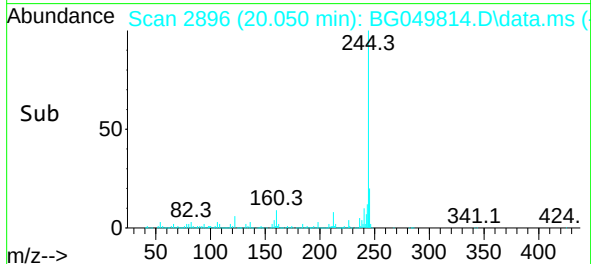
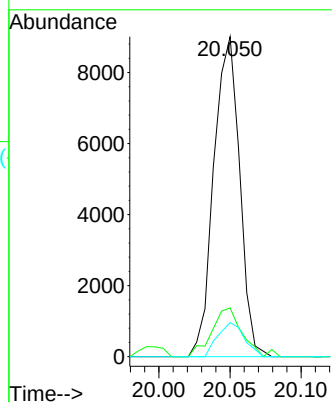
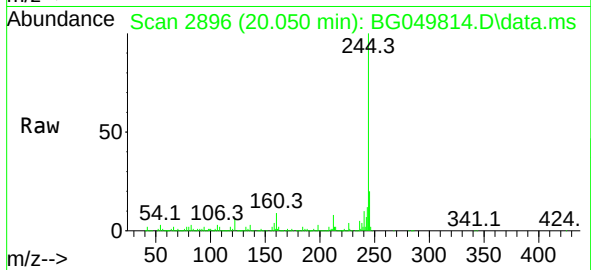




#77  
Benzidine  
Concen: 2.693 ng  
RT: 20.050 min Scan# 2896  
Delta R.T. 0.373 min  
Lab File: BG049814.D  
Acq: 12 Aug 2021 12:17

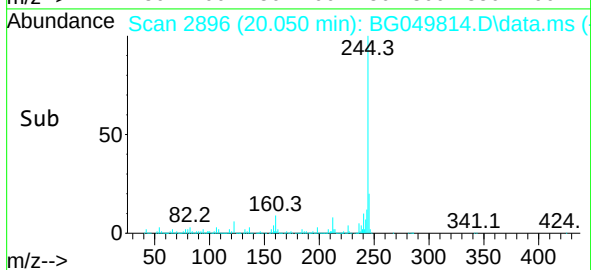
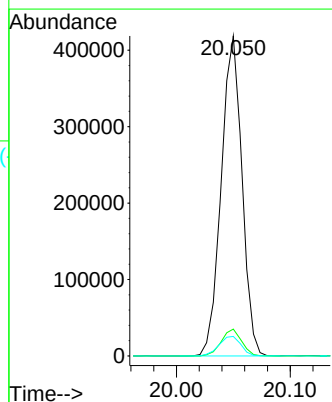
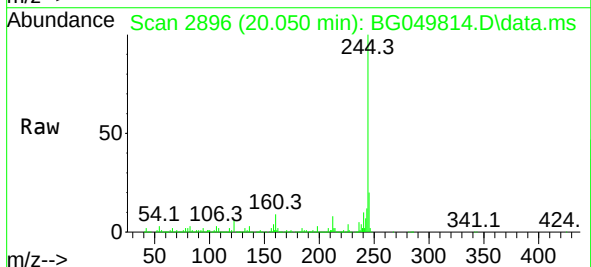
Instrument :  
BNA\_G  
ClientSampleId :  
124055

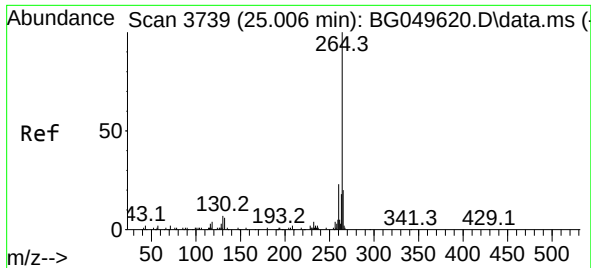
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:184 | Resp: | 11372     |
| Ion Ratio   | Lower | Upper     |
| 184         | 100   |           |
| 185         | 15.3  | 10.7 16.1 |
| 183         | 10.7  | 9.4 14.0  |



#79  
Terphenyl-d14  
Concen: 58.562 ng  
RT: 20.050 min Scan# 2896  
Delta R.T. -0.003 min  
Lab File: BG049814.D  
Acq: 12 Aug 2021 12:17

|             |       |          |
|-------------|-------|----------|
| Tgt Ion:244 | Resp: | 531466   |
| Ion Ratio   | Lower | Upper    |
| 244         | 100   |          |
| 212         | 8.4   | 6.9 10.3 |
| 122         | 6.1   | 5.0 7.6  |





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 25.002 min Scan# 3739  
 Delta R.T. -0.003 min  
 Lab File: BG049814.D  
 Acq: 12 Aug 2021 12:17

Instrument :  
 BNA\_G  
 ClientSampleId :  
 124055

Tgt Ion:264 Resp: 172217  
 Ion Ratio Lower Upper  
 264 100  
 260 23.5 19.4 29.2  
 265 20.3 16.9 25.3

