

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG081222\  
 Data File : BG054622.D  
 Acq On : 12 Aug 2022 14:44  
 Operator : CG/JU  
 Sample : N4046-15  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BEACONPOINT-BACKFILL-08

Quant Time: Aug 13 00:37:58 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG071522.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Aug 13 00:32:40 2022  
 Response via : Initial Calibration

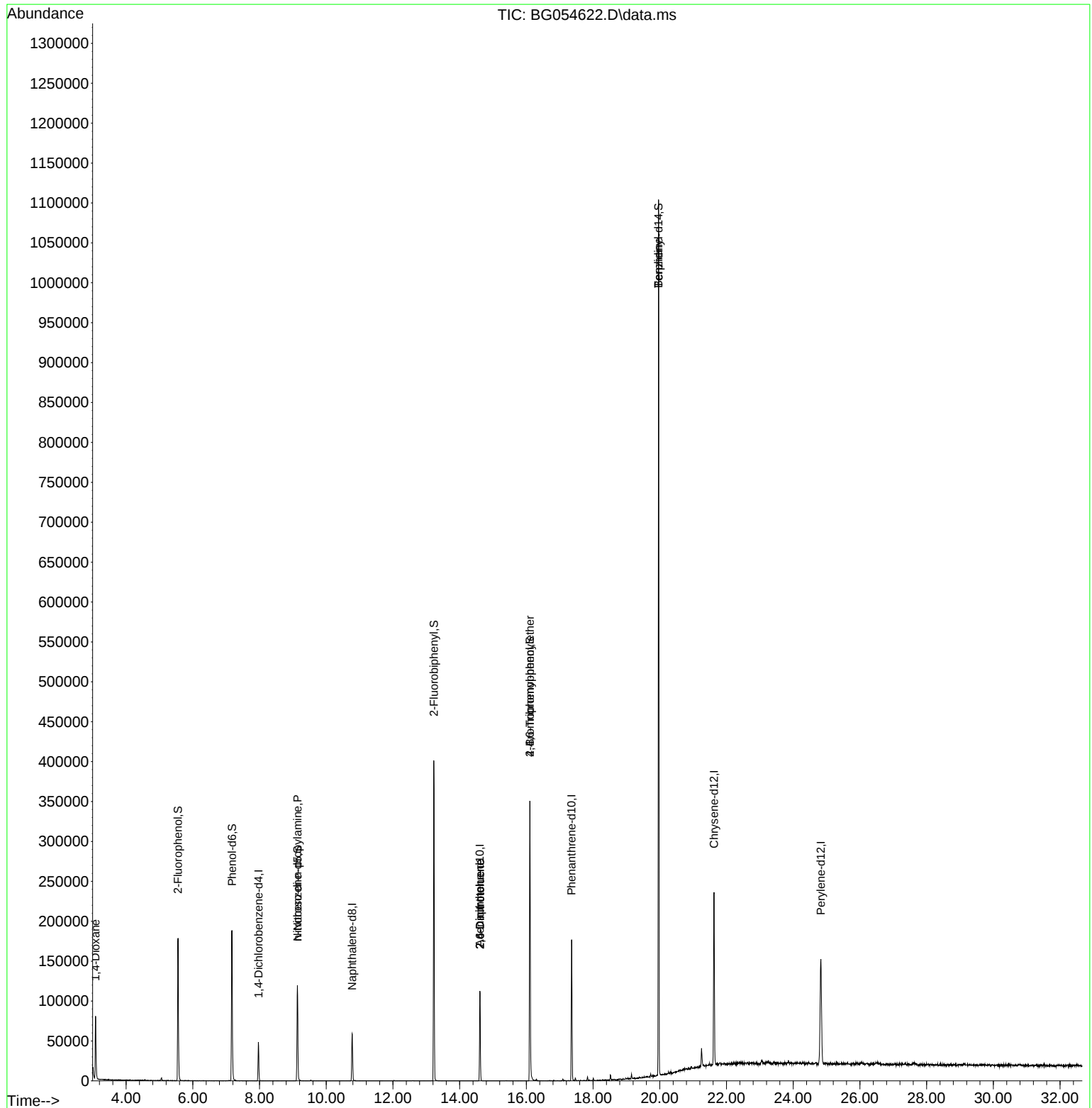
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.966  | 152  | 15233    | 20.000    | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.781 | 136  | 58224    | 20.000    | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.606 | 164  | 46521    | 20.000    | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.355 | 188  | 136059   | 20.000    | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.627 | 240  | 160144   | 20.000    | ng    | # 0.00   |
| 86) Perylene-d12              | 24.829 | 264  | 166737   | 20.000    | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.557  | 112  | 83739    | 114.775   | ng    | 0.00     |
| 7) Phenol-d6                  | 7.173  | 99   | 113736   | 113.768   | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.135  | 82   | 77035    | 72.051    | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.104 | 330  | 99081    | 101.438   | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.225 | 172  | 230674   | 69.949    | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.964 | 244  | 618973   | 76.676    | ng    | 0.00     |
| Target Compounds              |        |      |          |           |       |          |
|                               |        |      |          |           |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.078  | 88   | 838      | 2.887     | ng    | # 1      |
| 9) Benzaldehyde               | 7.167  | 77   | 64       | Below Cal |       | # 10     |
| 19) n-Nitroso-di-n-propyla... | 9.135  | 70   | 10973    | 16.437    | ng    | # 77     |
| 51) 2,6-Dinitrotoluene        | 14.611 | 165  | 6492     | 8.145     | ng    | # 16     |
| 57) 2,4-Dinitrotoluene        | 14.611 | 165  | 6492     | 5.682     | ng    | # 21     |
| 67) 4-Bromophenyl-phenylether | 16.104 | 248  | 5704     | 2.985     | ng    | # 1      |
| 77) Benizidine                | 19.964 | 184  | 8059     | 2.779     | ng    | # 89     |
| -----                         |        |      |          |           |       |          |

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

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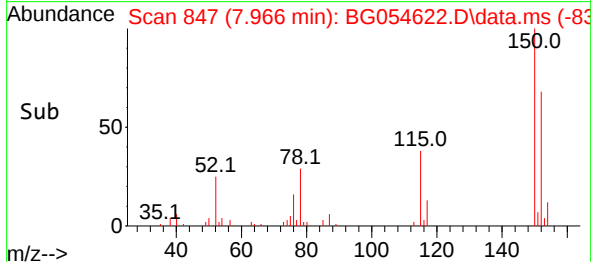
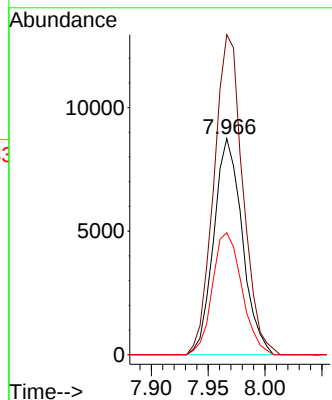
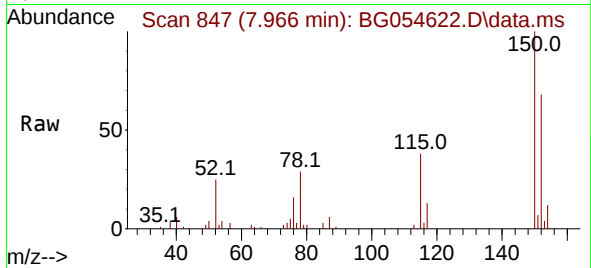




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.966 min Scan# 84  
 Delta R.T. -0.002 min  
 Lab File: BG054622.D  
 Acq: 12 Aug 2022 14:44

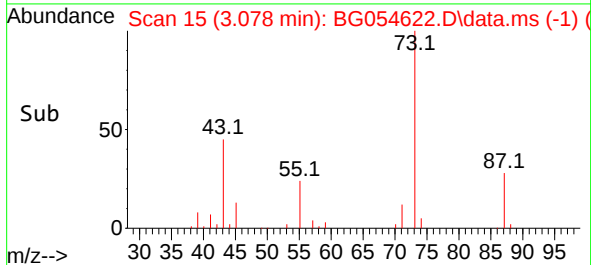
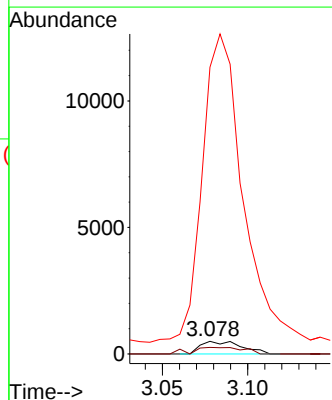
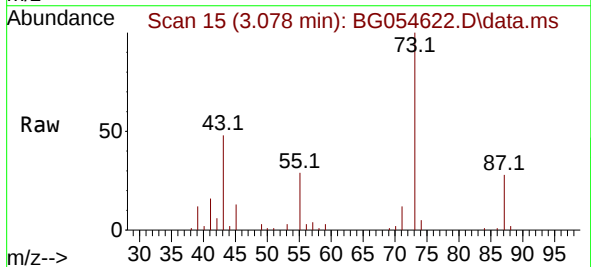
Instrument :  
 BNA\_G  
 ClientSampleId :  
 BEACONPOINT-BACKFILL-08

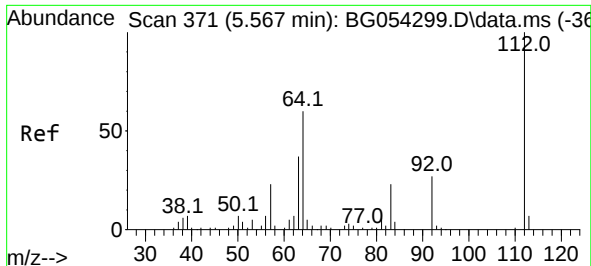
Tgt Ion:152 Resp: 15233  
 Ion Ratio Lower Upper  
 152 100  
 150 148.0 131.6 197.4  
 115 56.4 50.9 76.3



#2  
 1,4-Dioxane  
 Concen: 2.887 ng  
 RT: 3.078 min Scan# 15  
 Delta R.T. -0.313 min  
 Lab File: BG054622.D  
 Acq: 12 Aug 2022 14:44

Tgt Ion: 88 Resp: 838  
 Ion Ratio Lower Upper  
 88 100  
 58 65.4 59.2 88.8  
 43 2565.5 24.3 36.5#

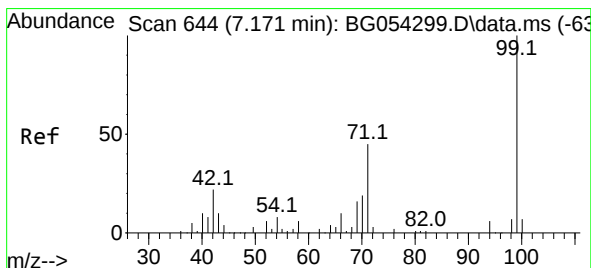
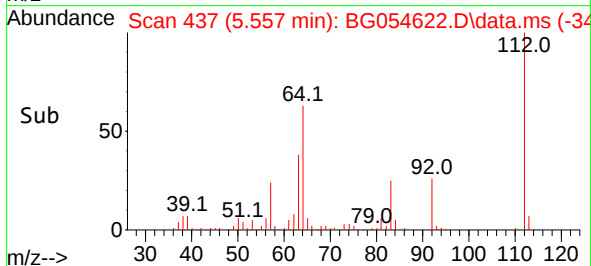
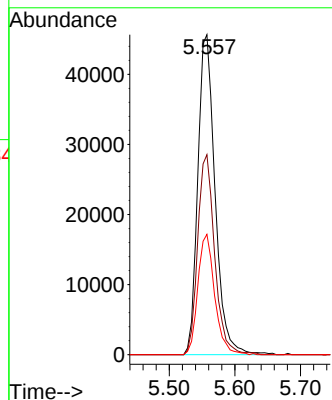
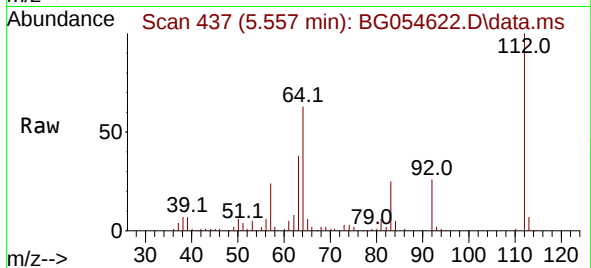




#5  
2-Fluorophenol  
Concen: 114.775 ng  
RT: 5.557 min Scan# 41  
Delta R.T. 0.004 min  
Lab File: BG054622.D  
Acq: 12 Aug 2022 14:44

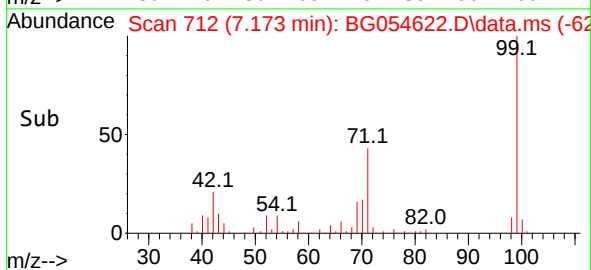
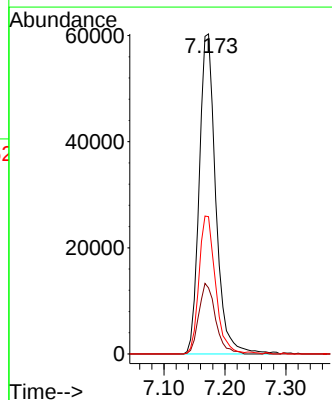
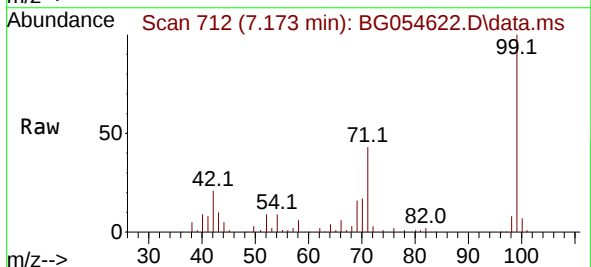
Instrument :  
BNA\_G  
ClientSampleId :  
BEACONPOINT-BACKFILL-08

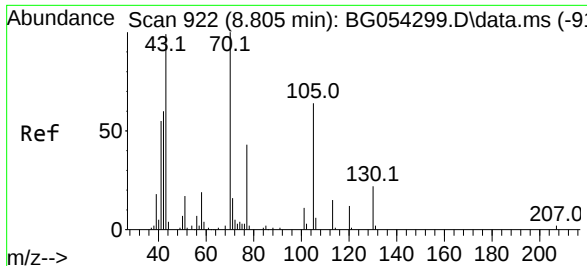
Tgt Ion:112 Resp: 83739  
Ion Ratio Lower Upper  
112 100  
64 62.5 55.1 82.7  
63 37.6 30.4 45.6



#7  
Phenol-d6  
Concen: 113.768 ng  
RT: 7.173 min Scan# 712  
Delta R.T. 0.004 min  
Lab File: BG054622.D  
Acq: 12 Aug 2022 14:44

Tgt Ion: 99 Resp: 113736  
Ion Ratio Lower Upper  
99 100  
42 20.6 17.0 25.6  
71 42.9 33.8 50.8

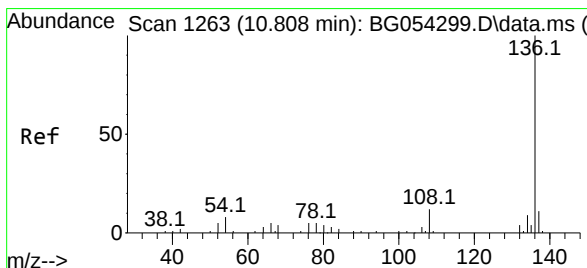
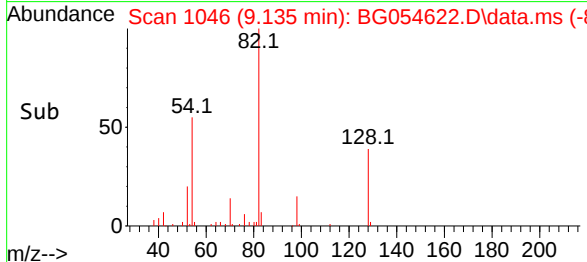
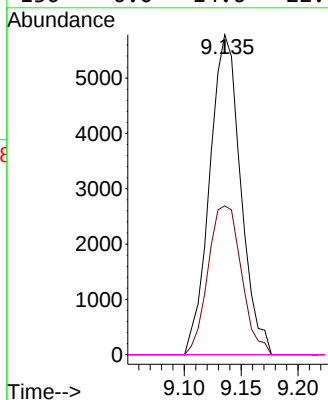
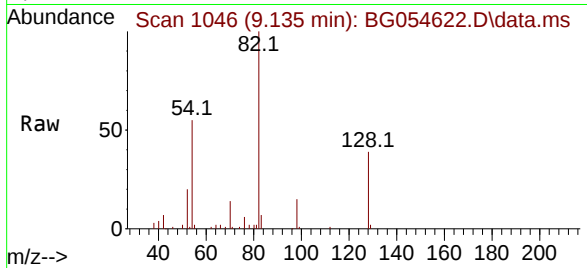




#19  
n-Nitroso-di-n-propylamine  
Concen: 16.437 ng  
RT: 9.135 min Scan# 1046  
Delta R.T. 0.357 min  
Lab File: BG054622.D  
Acq: 12 Aug 2022 14:44

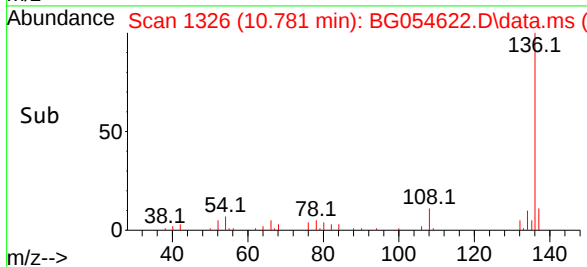
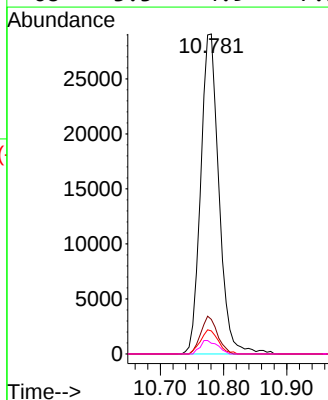
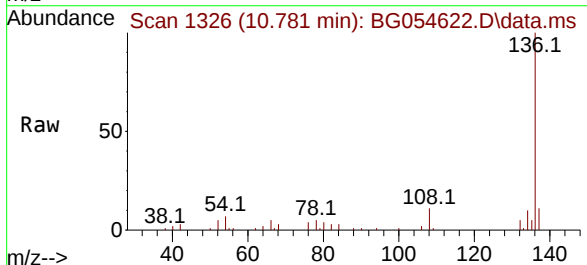
Instrument :  
BNA\_G  
ClientSampleId :  
BEACONPOINT-BACKFILL-08

Tgt Ion: 70 Resp: 10973  
Ion Ratio Lower Upper  
70 100  
42 46.5 47.3 70.9#  
101 0.0 7.0 10.4#  
130 0.0 14.6 22.0#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.781 min Scan# 1326  
Delta R.T. 0.004 min  
Lab File: BG054622.D  
Acq: 12 Aug 2022 14:44

Tgt Ion: 136 Resp: 58224  
Ion Ratio Lower Upper  
136 100  
137 10.8 8.5 12.7  
54 7.2 7.4 11.2#  
68 3.3 4.9 7.3#

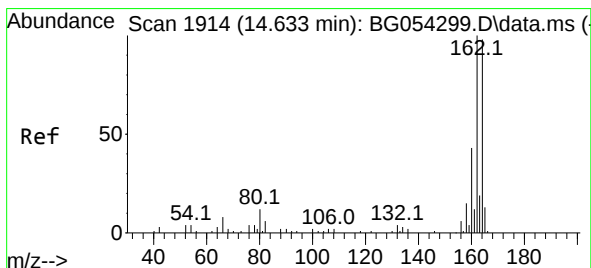
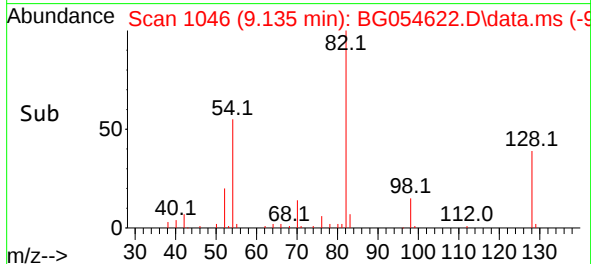
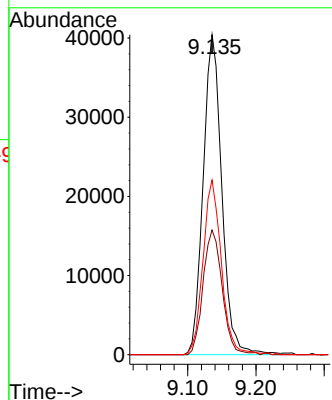
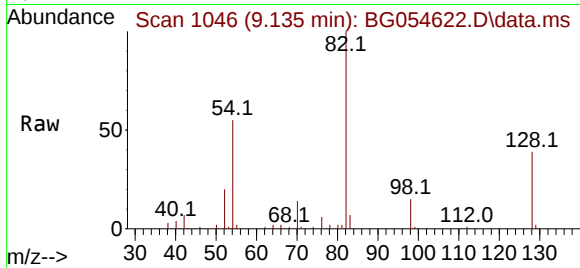




#23  
Nitrobenzene-d5  
Concen: 72.051 ng  
RT: 9.135 min Scan# 1046  
Delta R.T. -0.002 min  
Lab File: BG054622.D  
Acq: 12 Aug 2022 14:44

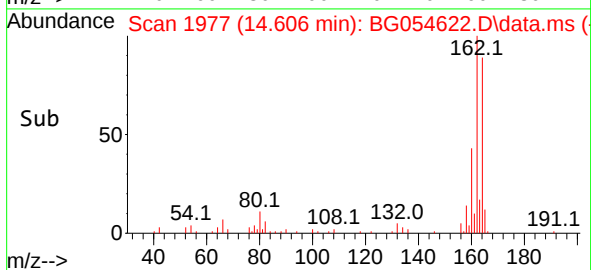
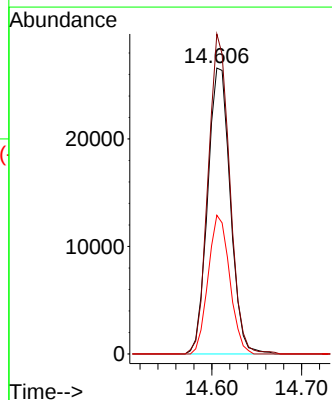
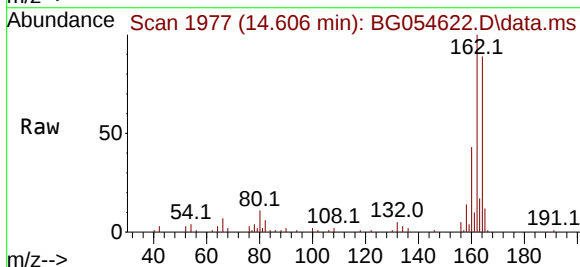
Instrument :  
BNA\_G  
ClientSampleId :  
BEACONPOINT-BACKFILL-08

Tgt Ion: 82 Resp: 77035  
Ion Ratio Lower Upper  
82 100  
128 38.9 27.9 41.9  
54 54.6 41.2 61.8



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.606 min Scan# 1977  
Delta R.T. -0.002 min  
Lab File: BG054622.D  
Acq: 12 Aug 2022 14:44

Tgt Ion:164 Resp: 46521  
Ion Ratio Lower Upper  
164 100  
162 111.9 82.3 123.5  
160 48.5 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 101.438 ng

RT: 16.104 min Scan# 21

Delta R.T. -0.008 min

Lab File: BG054622.D

Acq: 12 Aug 2022 14:44

Instrument :

BNA\_G

ClientSampleId :

BEACONPOINT-BACKFILL-08

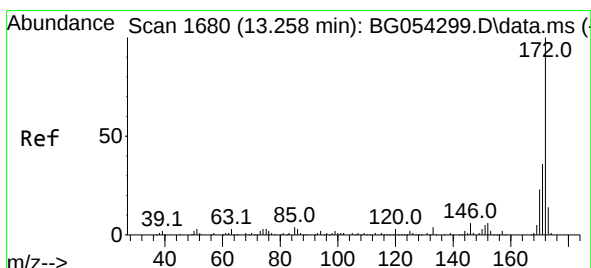
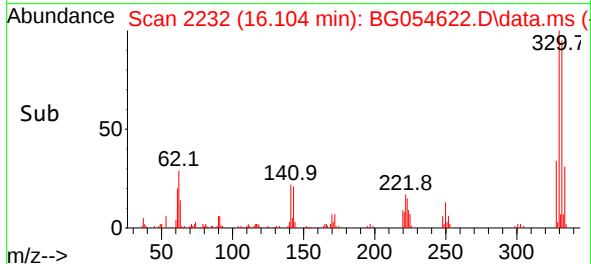
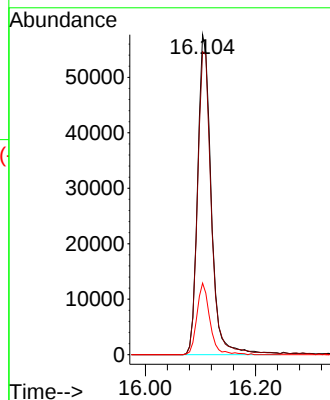
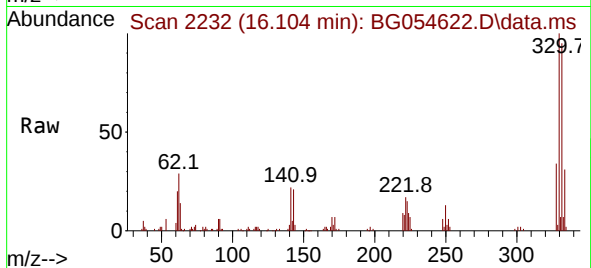
Tgt Ion:330 Resp: 99081

Ion Ratio Lower Upper

330 100

332 96.3 76.0 114.0

141 21.3 27.1 40.7#



#45

2-Fluorobiphenyl

Concen: 69.949 ng

RT: 13.225 min Scan# 1742

Delta R.T. -0.002 min

Lab File: BG054622.D

Acq: 12 Aug 2022 14:44

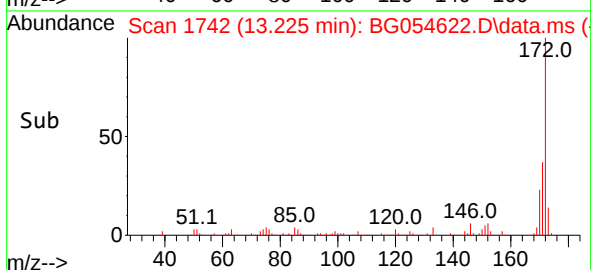
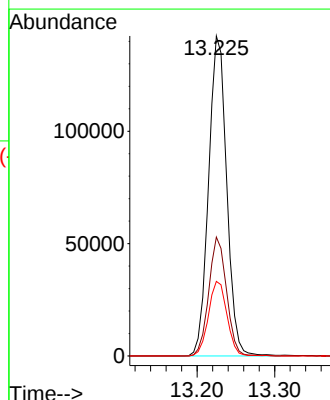
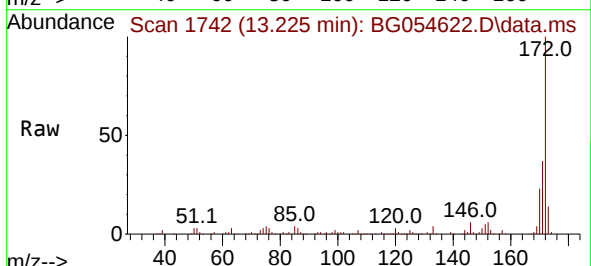
Tgt Ion:172 Resp: 230674

Ion Ratio Lower Upper

172 100

171 37.2 28.5 42.7

170 23.3 18.9 28.3

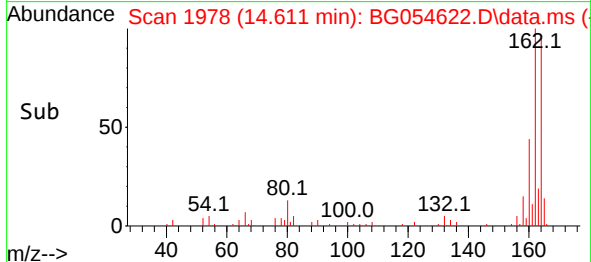
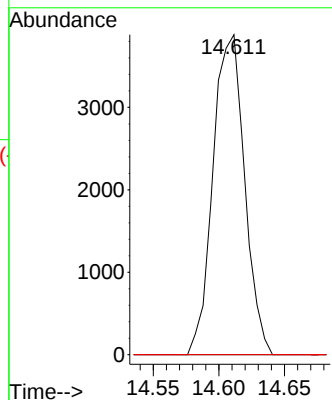
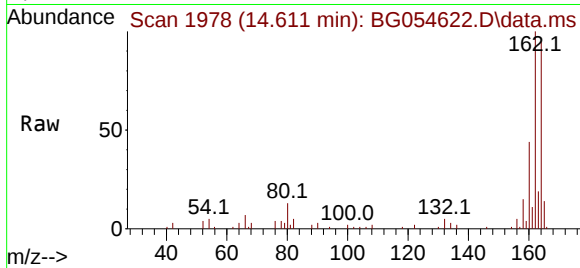




#51  
2,6-Dinitrotoluene  
Concen: 8.145 ng  
RT: 14.611 min Scan# 1978  
Delta R.T. 0.421 min  
Lab File: BG054622.D  
Acq: 12 Aug 2022 14:44

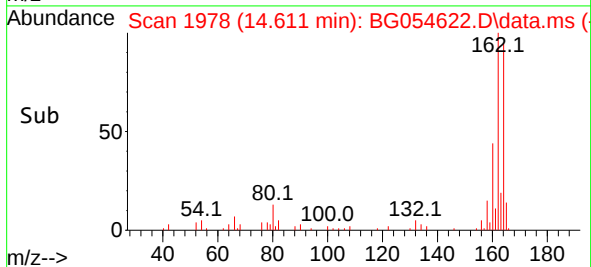
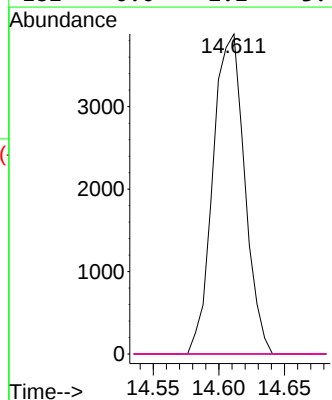
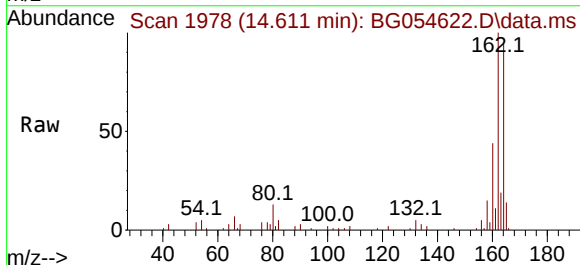
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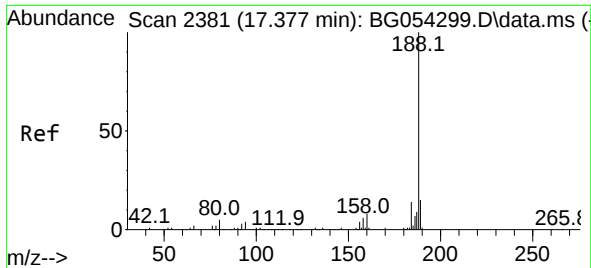
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Ion Ratio Lower Upper  
165 100  
63 0.0 54.1 81.1#  
89 0.0 54.8 82.2#



#57  
2,4-Dinitrotoluene  
Concen: 5.682 ng  
RT: 14.611 min Scan# 1978  
Delta R.T. -0.384 min  
Lab File: BG054622.D  
Acq: 12 Aug 2022 14:44

Tgt Ion:165 Resp: 6492  
Ion Ratio Lower Upper  
165 100  
63 0.0 34.6 52.0#  
89 0.0 60.3 90.5#  
182 0.0 2.2 3.4#

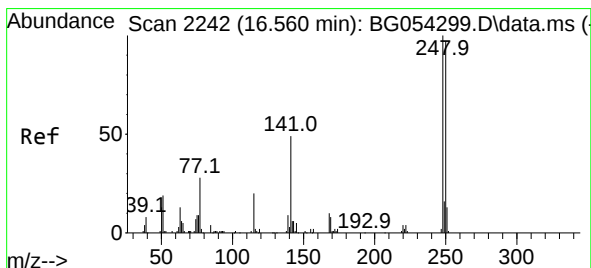
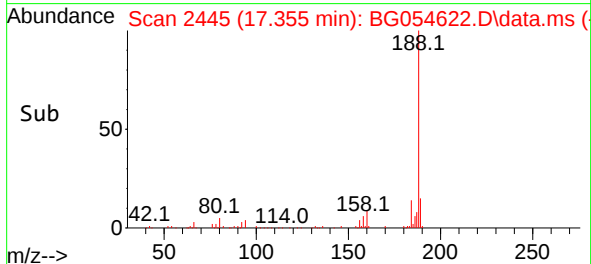
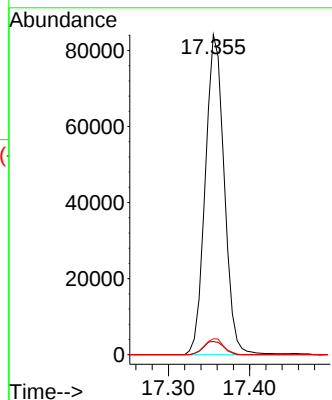
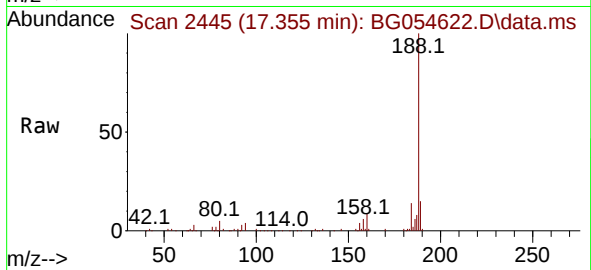




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.355 min Scan# 2445  
Delta R.T. -0.002 min  
Lab File: BG054622.D  
Acq: 12 Aug 2022 14:44

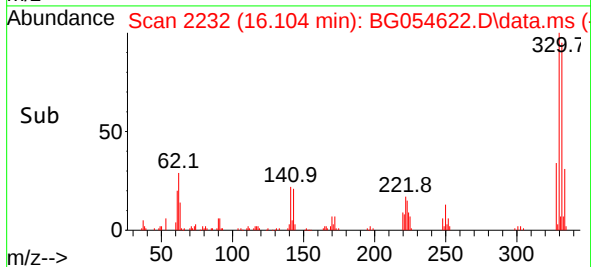
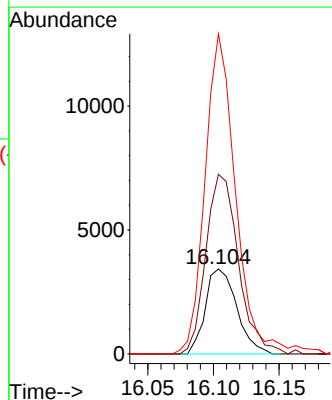
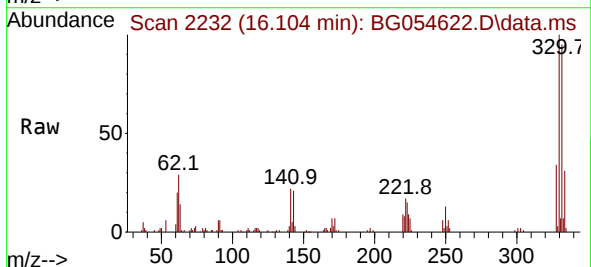
Instrument :  
BNA\_G  
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BEACONPOINT-BACKFILL-08

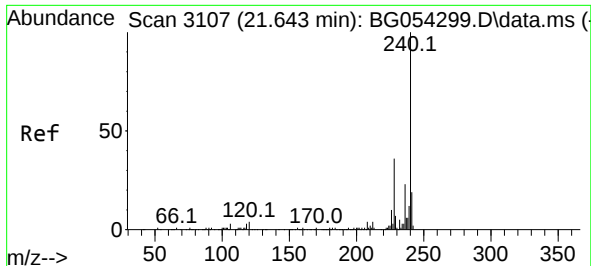
Tgt Ion:188 Resp: 136059  
Ion Ratio Lower Upper  
188 100  
94 4.1 5.4 8.0#  
80 5.0 6.8 10.2#



#67  
4-Bromophenyl-phenylether  
Concen: 2.985 ng  
RT: 16.104 min Scan# 2232  
Delta R.T. -0.436 min  
Lab File: BG054622.D  
Acq: 12 Aug 2022 14:44

Tgt Ion:248 Resp: 5704  
Ion Ratio Lower Upper  
248 100  
250 211.6 75.2 112.8#  
141 376.9 50.0 75.0#

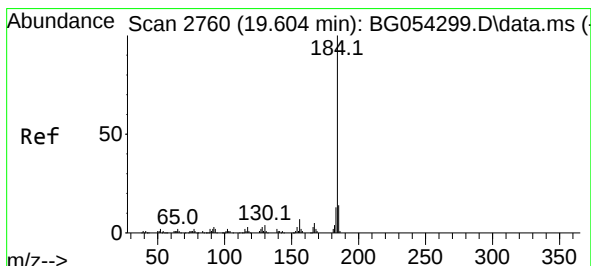
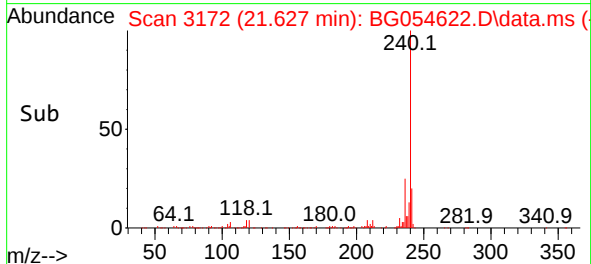
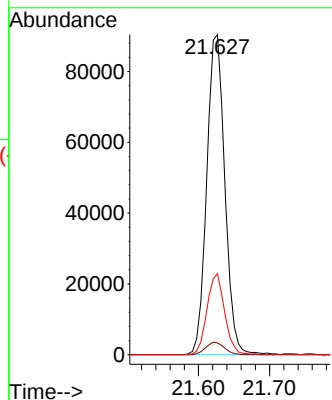
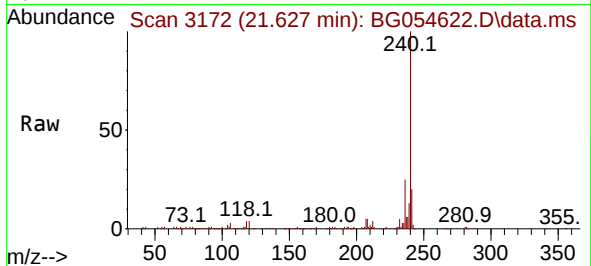




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.627 min Scan# 3107  
Delta R.T. -0.002 min  
Lab File: BG054622.D  
Acq: 12 Aug 2022 14:44

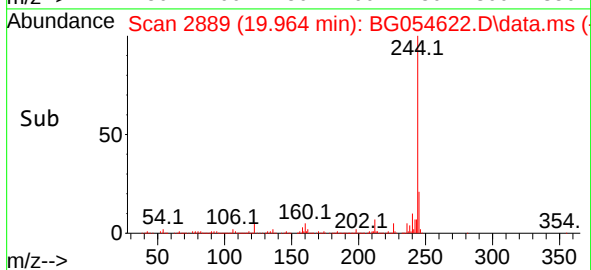
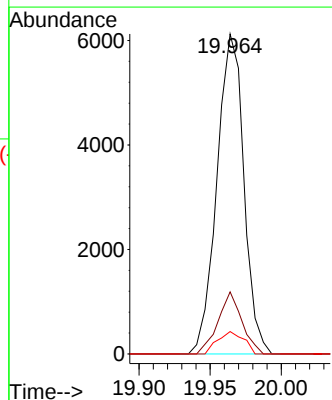
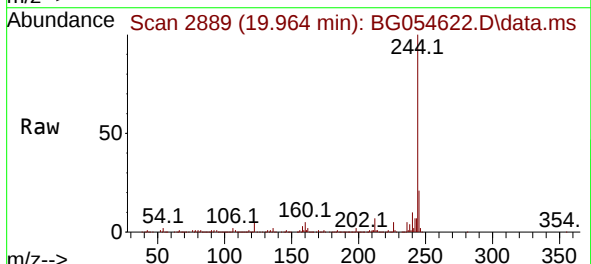
Instrument :  
BNA\_G  
ClientSampleId :  
BEACONPOINT-BACKFILL-08

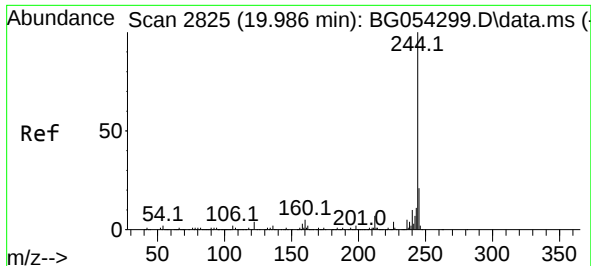
Tgt Ion:240 Resp: 160144  
Ion Ratio Lower Upper  
240 100  
120 3.6 4.6 7.0#  
236 25.3 20.2 30.4



#77  
Benzidine  
Concen: 2.779 ng  
RT: 19.964 min Scan# 2889  
Delta R.T. 0.374 min  
Lab File: BG054622.D  
Acq: 12 Aug 2022 14:44

Tgt Ion:184 Resp: 8059  
Ion Ratio Lower Upper  
184 100  
185 19.4 11.8 17.6#  
183 7.0 8.9 13.3#

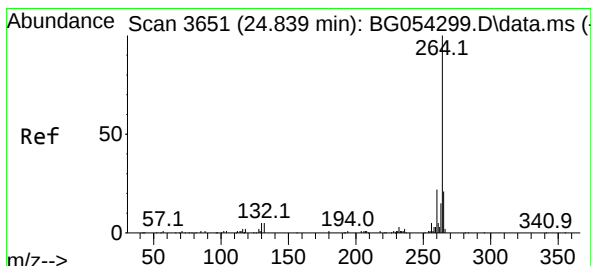
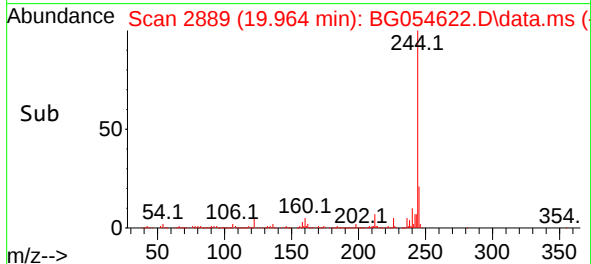
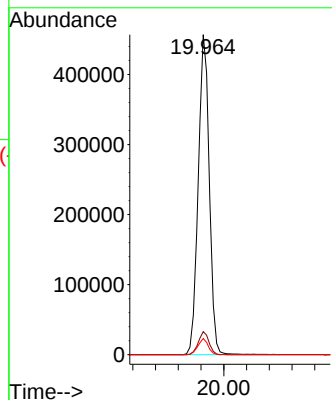
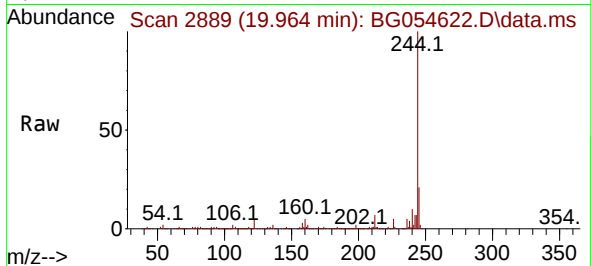




#79  
 Terphenyl-d14  
 Concen: 76.676 ng  
 RT: 19.964 min Scan# 21  
 Delta R.T. -0.002 min  
 Lab File: BG054622.D  
 Acq: 12 Aug 2022 14:44

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BEACONPOINT-BACKFILL-08

Tgt Ion:244 Resp: 618973  
 Ion Ratio Lower Upper  
 244 100  
 212 7.2 6.5 9.7  
 122 5.0 5.0 7.4



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.829 min Scan# 3717  
 Delta R.T. 0.004 min  
 Lab File: BG054622.D  
 Acq: 12 Aug 2022 14:44

Tgt Ion:264 Resp: 166737  
 Ion Ratio Lower Upper  
 264 100  
 260 23.2 19.0 28.6  
 265 21.7 17.4 26.2

