

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG082622\  
 Data File : BG054750.D  
 Acq On : 26 Aug 2022 10:33  
 Operator : CG/JU  
 Sample : PB147143BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB147143BL

Quant Time: Aug 27 02:07:47 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG082522.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 25 17:50:55 2022  
 Response via : Initial Calibration

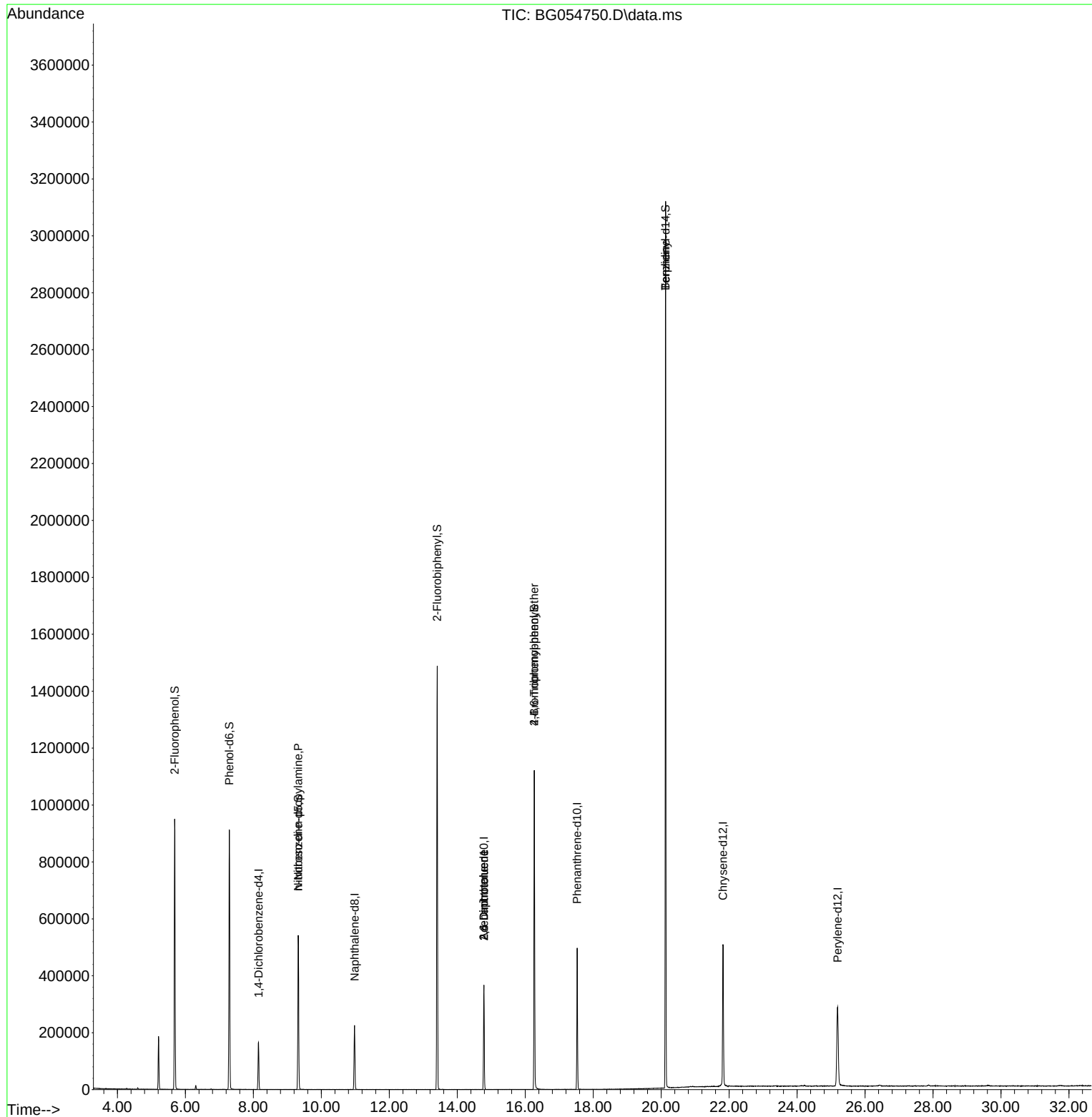
| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| -----                         |        |      |          |         |        |          |
| Internal Standards            |        |      |          |         |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.152  | 152  | 50096    | 20.000  | ng     | 0.00     |
| 21) Naphthalene-d8            | 10.978 | 136  | 206285   | 20.000  | ng     | 0.00     |
| 39) Acenaphthene-d10          | 14.786 | 164  | 134522   | 20.000  | ng     | 0.00     |
| 64) Phenanthrene-d10          | 17.530 | 188  | 318829   | 20.000  | ng     | 0.00     |
| 76) Chrysene-d12              | 21.819 | 240  | 328381   | 20.000  | ng     | 0.00     |
| 86) Perylene-d12              | 25.191 | 264  | 330096   | 20.000  | ng     | 0.00     |
| System Monitoring Compounds   |        |      |          |         |        |          |
| 5) 2-Fluorophenol             | 5.685  | 112  | 432906   | 150.480 | ng     | 0.00     |
| 7) Phenol-d6                  | 7.294  | 99   | 565254   | 143.673 | ng     | 0.00     |
| 23) Nitrobenzene-d5           | 9.322  | 82   | 344254   | 87.607  | ng     | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.266 | 330  | 228806   | 136.118 | ng     | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.411 | 172  | 803118   | 89.732  | ng     | 0.00     |
| 79) Terphenyl-d14             | 20.132 | 244  | 1507533  | 90.962  | ng     | 0.00     |
| Target Compounds              |        |      |          |         |        |          |
|                               |        |      |          |         | Qvalue |          |
| 19) n-Nitroso-di-n-propyla... | 9.322  | 70   | 43346    | 16.021  | ng     | # 80     |
| 51) 2,6-Dinitrotoluene        | 14.786 | 165  | 17512    | 8.261   | ng     | # 20     |
| 57) 2,4-Dinitrotoluene        | 14.786 | 165  | 17512    | 5.973   | ng     | # 18     |
| 67) 4-Bromophenyl-phenylether | 16.266 | 248  | 15012    | 4.289   | ng     | # 1      |
| 77) Benzidine                 | 20.132 | 184  | 23527    | 2.893   | ng     | # 89     |
| -----                         |        |      |          |         |        |          |

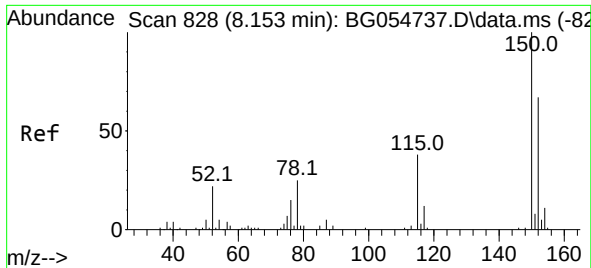
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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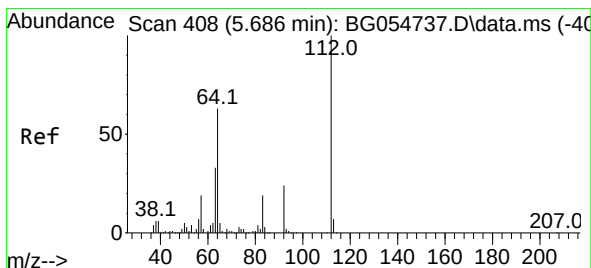
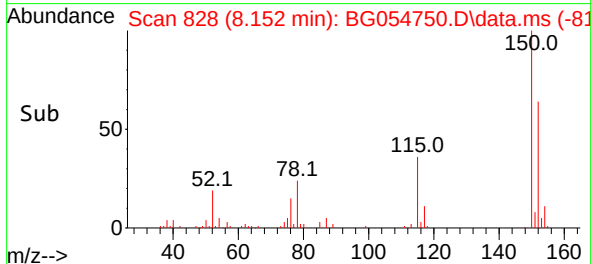
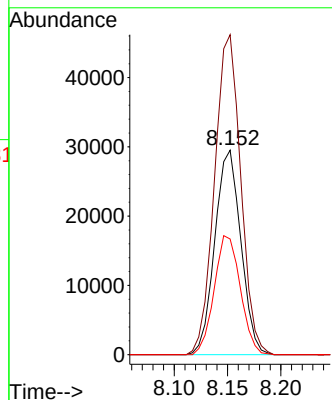
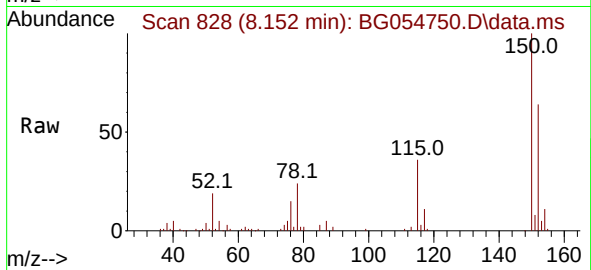




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.152 min Scan# 81  
Delta R.T. -0.001 min  
Lab File: BG054750.D  
Acq: 26 Aug 2022 10:33

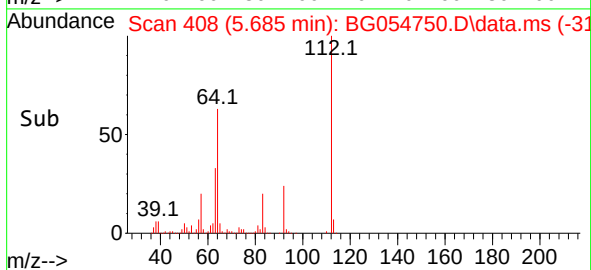
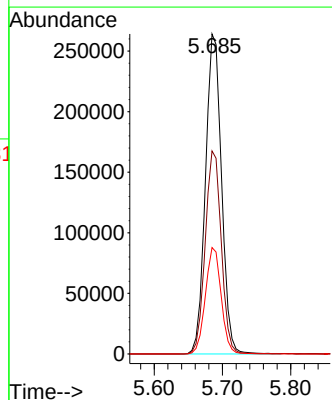
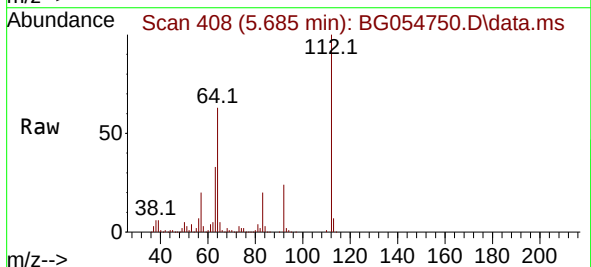
Instrument :  
BNA\_G  
ClientSampleId :  
PB147143BL

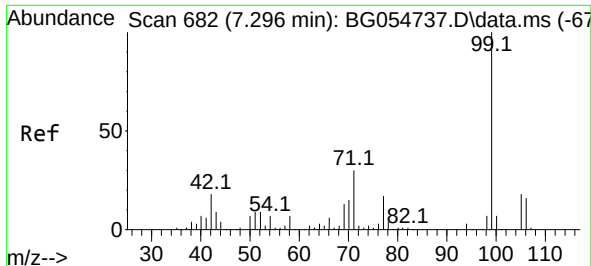
Tgt Ion:152 Resp: 50096  
Ion Ratio Lower Upper  
152 100  
150 156.5 125.2 187.8  
115 56.5 47.9 71.9



#5  
2-Fluorophenol  
Concen: 150.480 ng  
RT: 5.685 min Scan# 408  
Delta R.T. -0.001 min  
Lab File: BG054750.D  
Acq: 26 Aug 2022 10:33

Tgt Ion:112 Resp: 432906  
Ion Ratio Lower Upper  
112 100  
64 63.5 49.3 73.9  
63 33.2 26.3 39.5

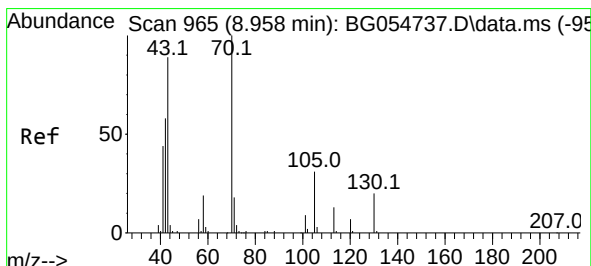
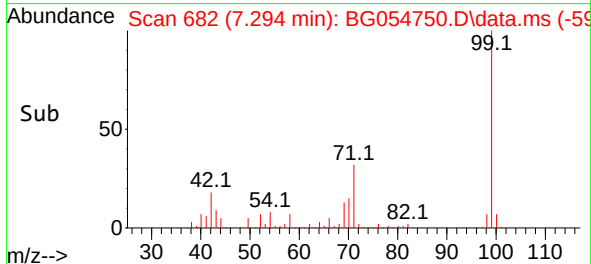
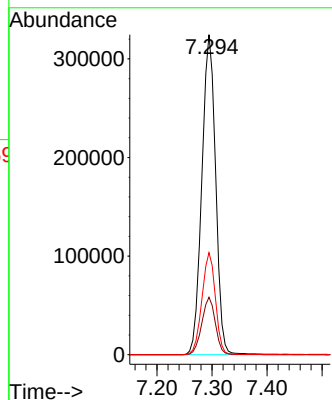
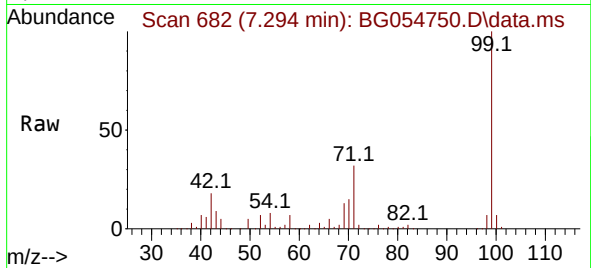




#7  
Phenol-d6  
Concen: 143.673 ng  
RT: 7.294 min Scan# 61  
Delta R.T. -0.001 min  
Lab File: BG054750.D  
Acq: 26 Aug 2022 10:33

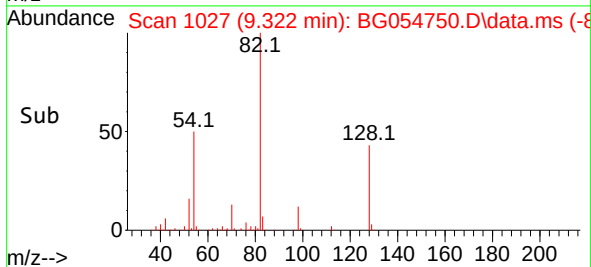
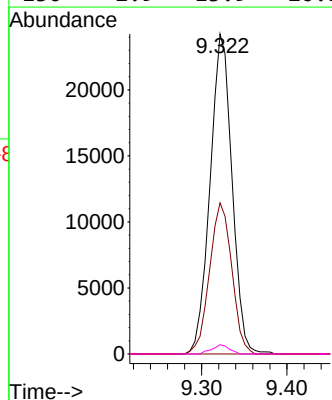
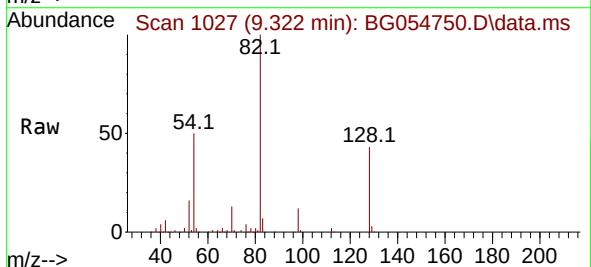
Instrument :  
BNA\_G  
ClientSampleId :  
PB147143BL

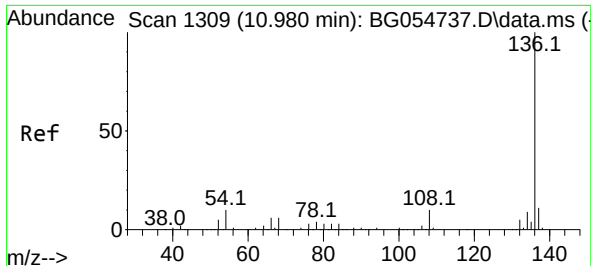
Tgt Ion: 99 Resp: 565254  
Ion Ratio Lower Upper  
99 100  
42 17.9 14.6 22.0  
71 31.9 24.6 37.0



#19  
n-Nitroso-di-n-propylamine  
Concen: 16.021 ng  
RT: 9.322 min Scan# 1027  
Delta R.T. 0.363 min  
Lab File: BG054750.D  
Acq: 26 Aug 2022 10:33

Tgt Ion: 70 Resp: 43346  
Ion Ratio Lower Upper  
70 100  
42 47.2 46.6 69.8  
101 0.0 7.7 11.5#  
130 2.9 13.9 20.9#





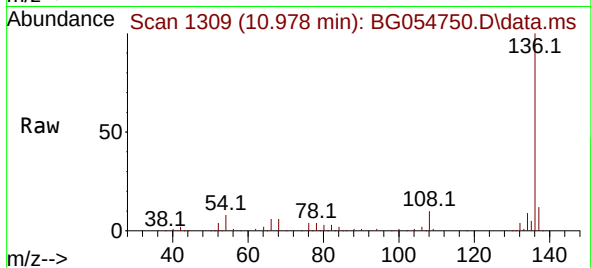
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.978 min Scan# 11  
Delta R.T. -0.002 min  
Lab File: BG054750.D  
Acq: 26 Aug 2022 10:33

Instrument :

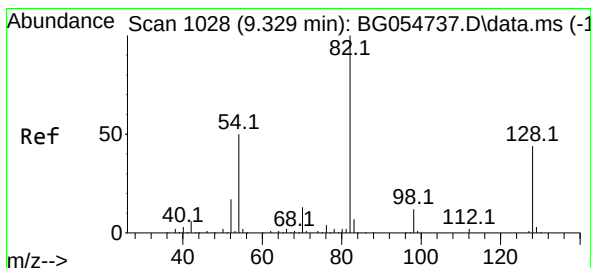
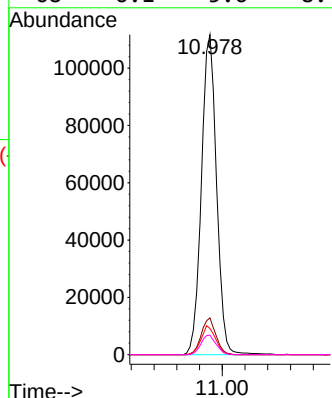
BNA\_G

ClientSampleId :

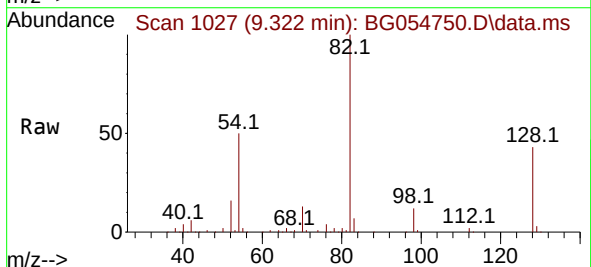
PB147143BL



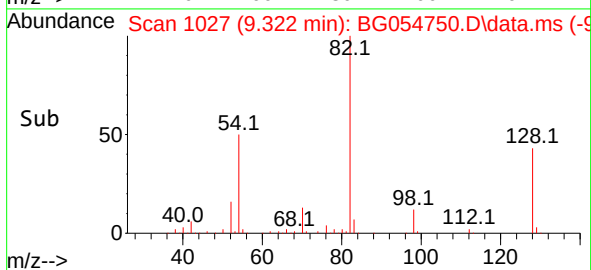
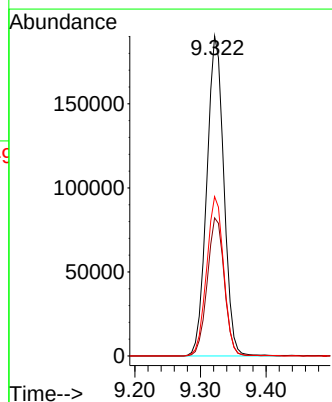
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 206285 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 11.5  | 9.2   | 13.8   |
| 54        | 8.2   | 7.7   | 11.5   |
| 68        | 6.1   | 5.6   | 8.4    |

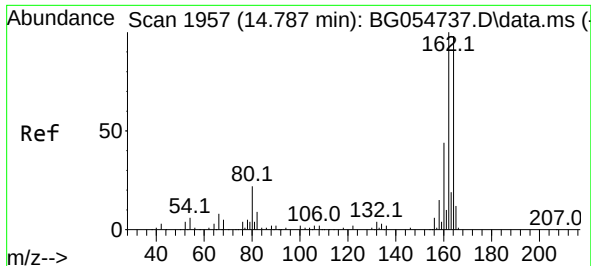


#23  
Nitrobenzene-d5  
Concen: 87.607 ng  
RT: 9.322 min Scan# 1027  
Delta R.T. -0.007 min  
Lab File: BG054750.D  
Acq: 26 Aug 2022 10:33



|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 82    | Resp: | 344254 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 43.2  | 32.2  | 48.2   |
| 54        | 49.8  | 41.4  | 62.0   |

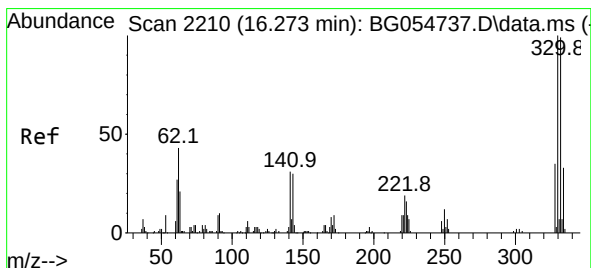
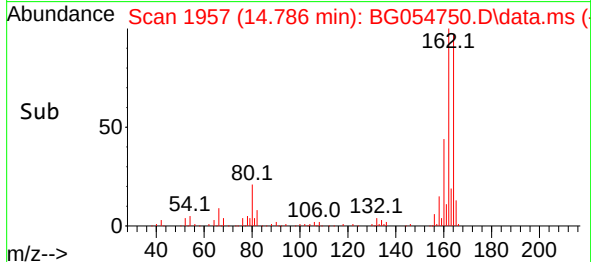
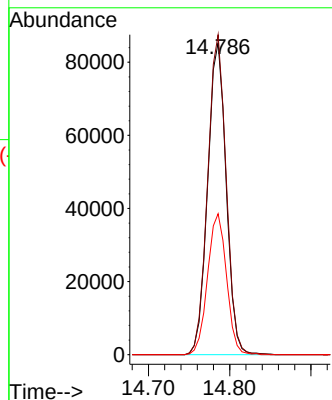
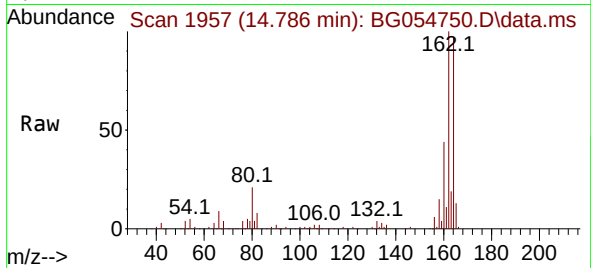




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.786 min Scan# 1957  
Delta R.T. -0.001 min  
Lab File: BG054750.D  
Acq: 26 Aug 2022 10:33

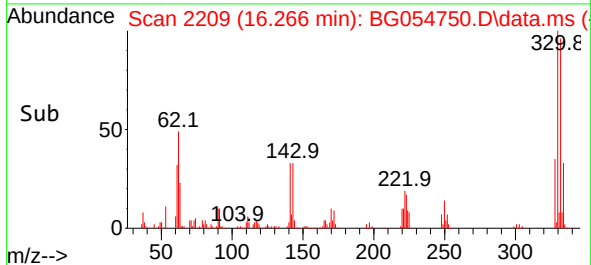
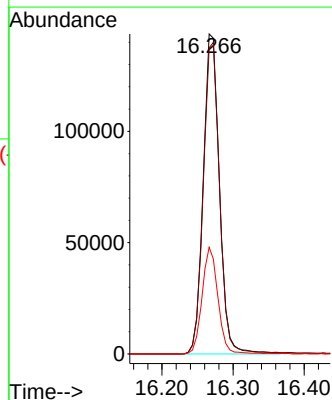
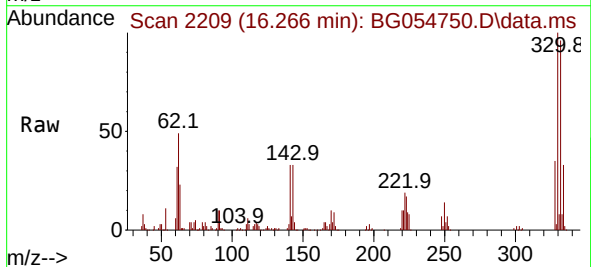
Instrument :  
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ClientSampleId :  
PB147143BL

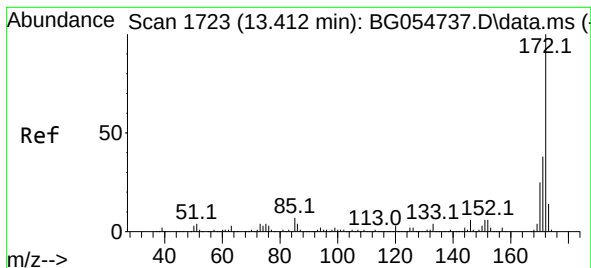
Tgt Ion:164 Resp: 134522  
Ion Ratio Lower Upper  
164 100  
162 102.6 83.0 124.4  
160 45.2 38.0 57.0



#42  
2,4,6-Tribromophenol  
Concen: 136.118 ng  
RT: 16.266 min Scan# 2209  
Delta R.T. -0.007 min  
Lab File: BG054750.D  
Acq: 26 Aug 2022 10:33

Tgt Ion:330 Resp: 228806  
Ion Ratio Lower Upper  
330 100  
332 97.8 79.8 119.6  
141 32.6 26.8 40.2

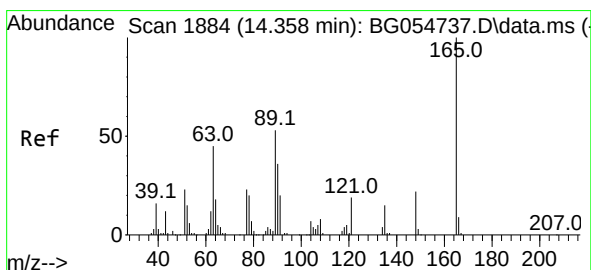
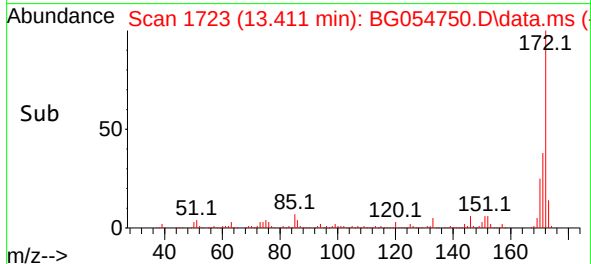
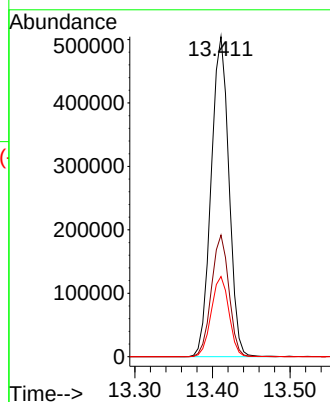
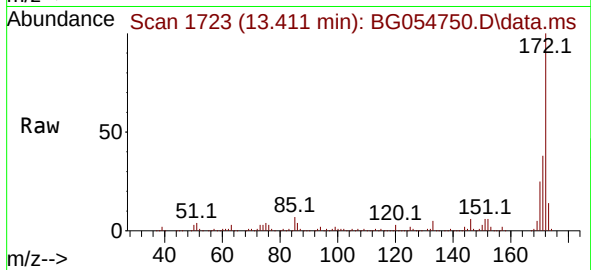




#45  
2-Fluorobiphenyl  
Concen: 89.732 ng  
RT: 13.411 min Scan# 1  
Delta R.T. -0.001 min  
Lab File: BG054750.D  
Acq: 26 Aug 2022 10:33

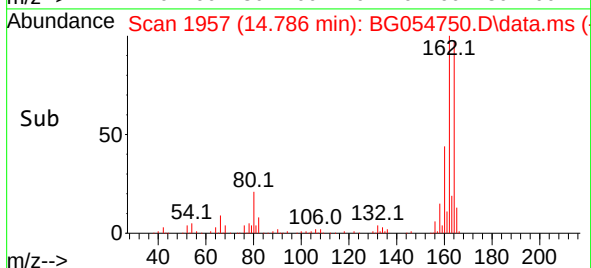
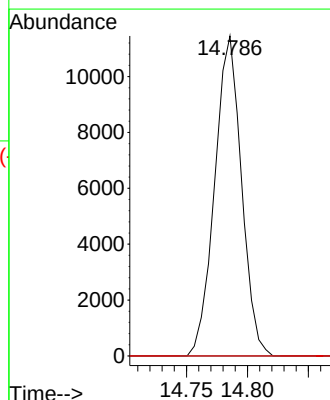
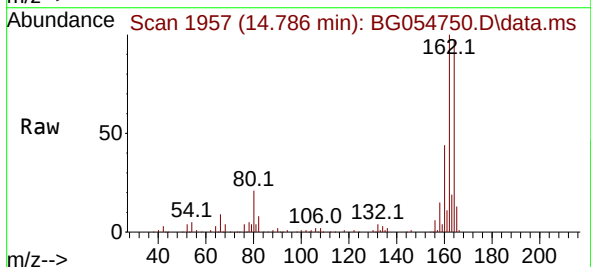
Instrument :  
BNA\_G  
ClientSampleId :  
PB147143BL

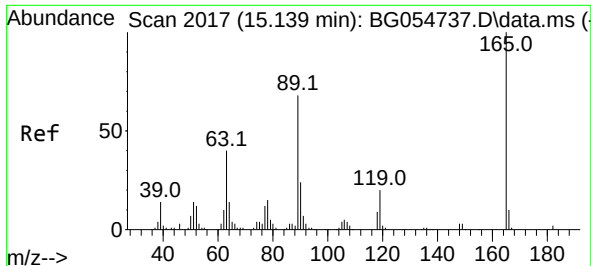
Tgt Ion:172 Resp: 803118  
Ion Ratio Lower Upper  
172 100  
171 38.0 31.2 46.8  
170 25.0 20.6 30.8



#51  
2,6-Dinitrotoluene  
Concen: 8.261 ng  
RT: 14.786 min Scan# 1957  
Delta R.T. 0.428 min  
Lab File: BG054750.D  
Acq: 26 Aug 2022 10:33

Tgt Ion:165 Resp: 17512  
Ion Ratio Lower Upper  
165 100  
63 0.0 46.0 69.0#  
89 0.0 50.3 75.5#





#57

2,4-Dinitrotoluene

Concen: 5.973 ng

RT: 14.786 min Scan# 1957

Delta R.T. -0.354 min

Lab File: BG054750.D

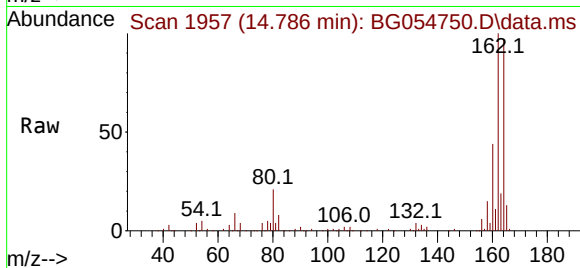
Acq: 26 Aug 2022 10:33

Instrument :

BNA\_G

ClientSampleId :

PB147143BL



Tgt Ion:165 Resp: 17512

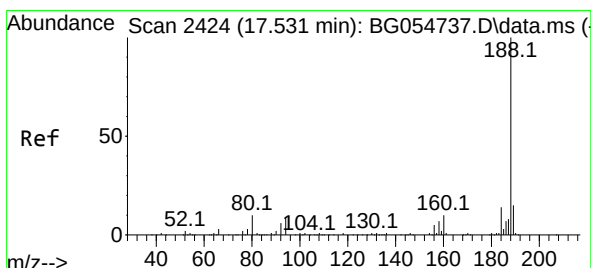
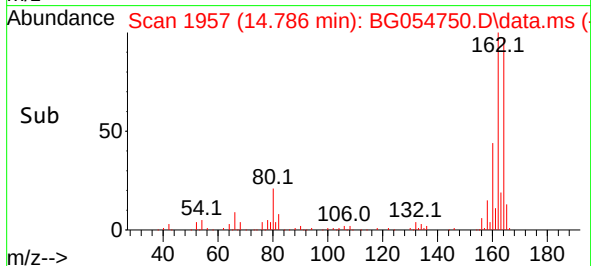
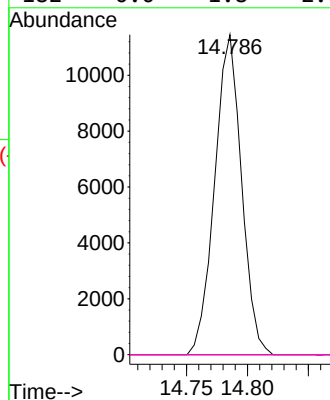
Ion Ratio Lower Upper

165 100

63 0.0 36.8 55.2#

89 0.0 64.3 96.5#

182 0.0 1.8 2.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.530 min Scan# 2424

Delta R.T. -0.001 min

Lab File: BG054750.D

Acq: 26 Aug 2022 10:33

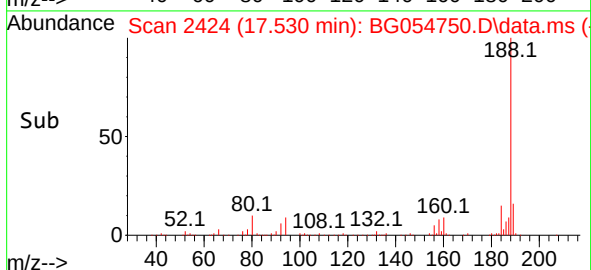
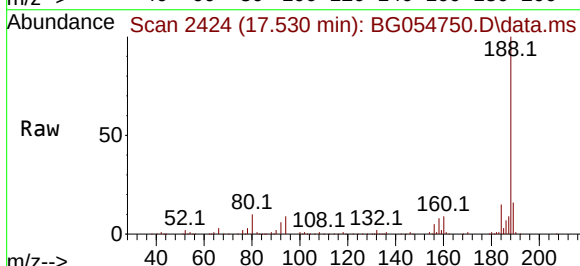
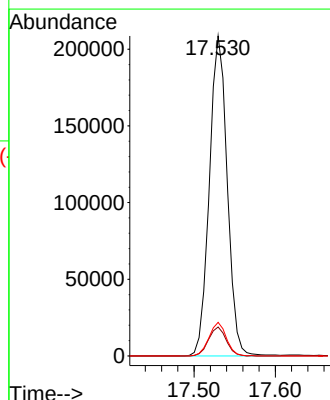
Tgt Ion:188 Resp: 318829

Ion Ratio Lower Upper

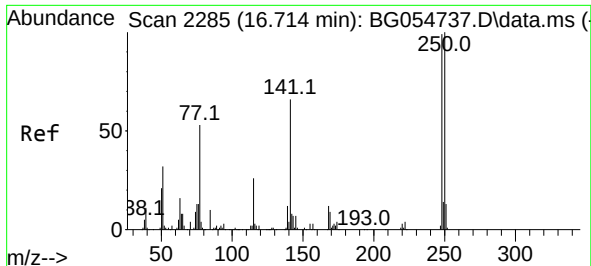
188 100

94 9.0 7.0 10.4

80 10.5 7.9 11.9



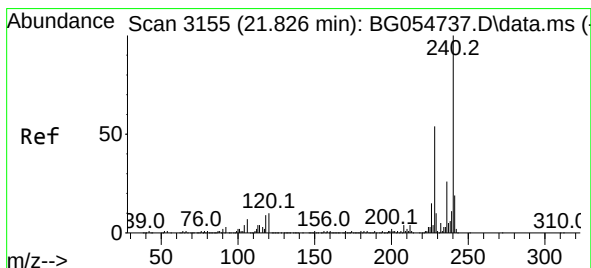
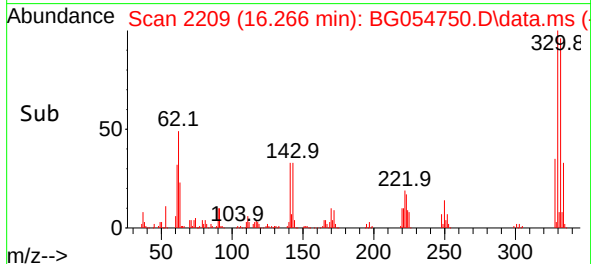
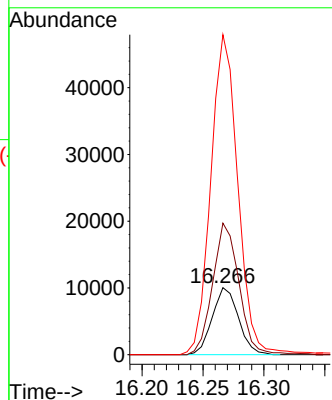
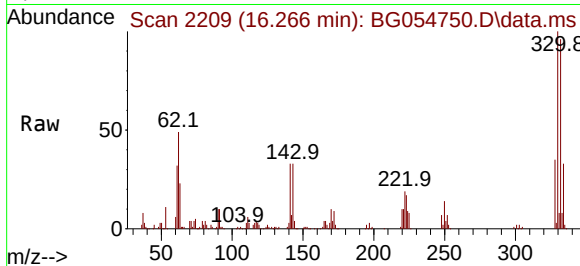




#67  
4-Bromophenyl-phenylether  
Concen: 4.289 ng  
RT: 16.266 min Scan# 21  
Delta R.T. -0.448 min  
Lab File: BG054750.D  
Acq: 26 Aug 2022 10:33

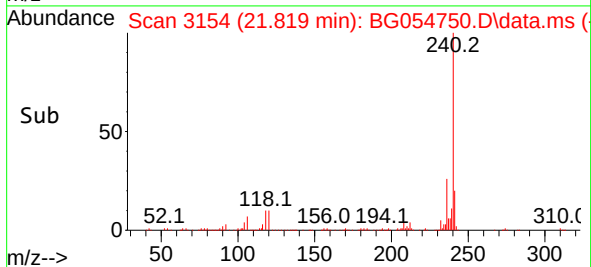
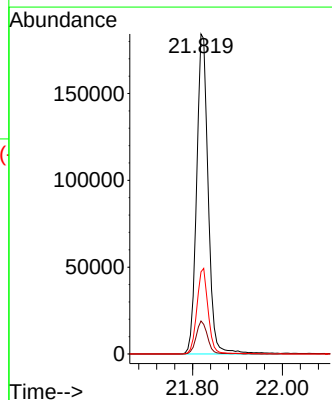
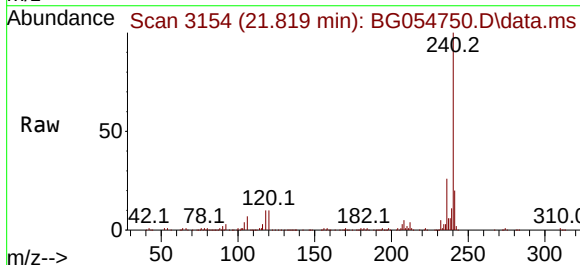
Instrument :  
BNA\_G  
ClientSampleId :  
PB147143BL

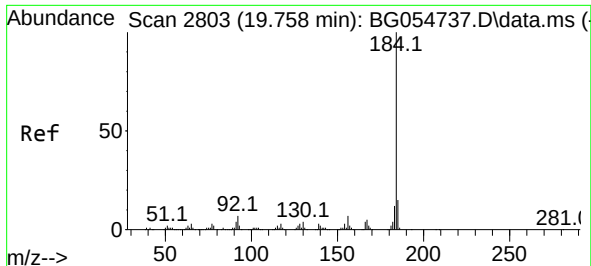
Tgt Ion:248 Resp: 15012  
Ion Ratio Lower Upper  
248 100  
250 196.4 78.8 118.2#  
141 477.8 51.9 77.9#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.819 min Scan# 3154  
Delta R.T. -0.007 min  
Lab File: BG054750.D  
Acq: 26 Aug 2022 10:33

Tgt Ion:240 Resp: 328381  
Ion Ratio Lower Upper  
240 100  
120 10.3 8.2 12.4  
236 25.7 21.2 31.8

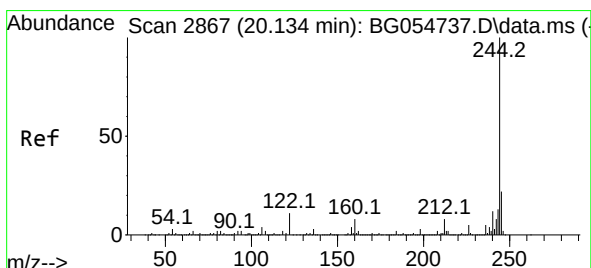
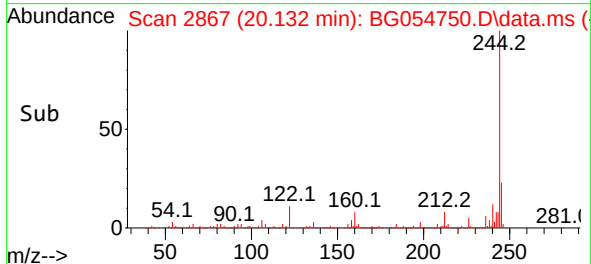
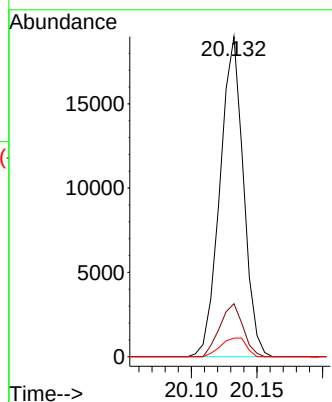
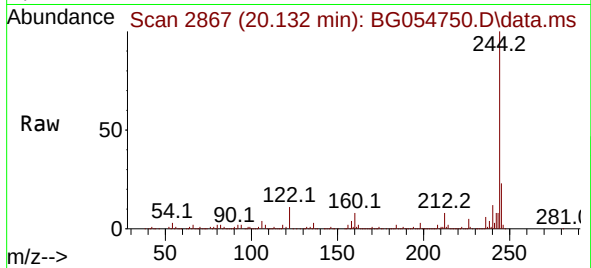




#77  
Benzidine  
Concen: 2.893 ng  
RT: 20.132 min Scan# 21  
Delta R.T. 0.375 min  
Lab File: BG054750.D  
Acq: 26 Aug 2022 10:33

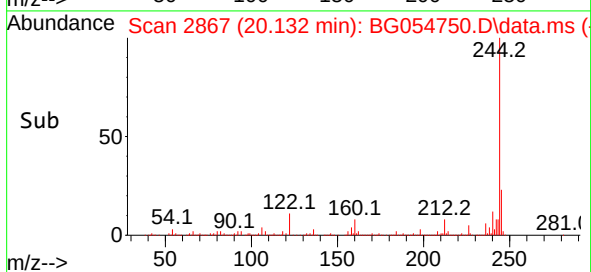
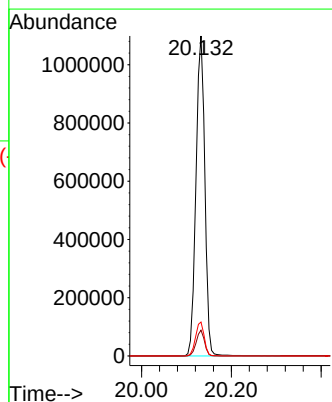
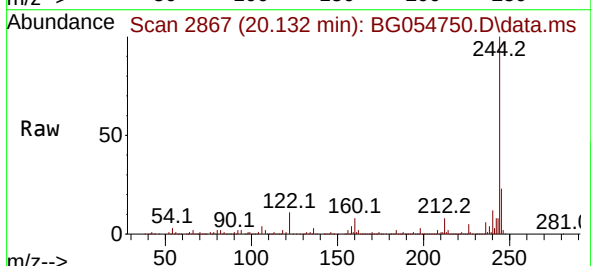
Instrument :  
BNA\_G  
ClientSampleId :  
PB147143BL

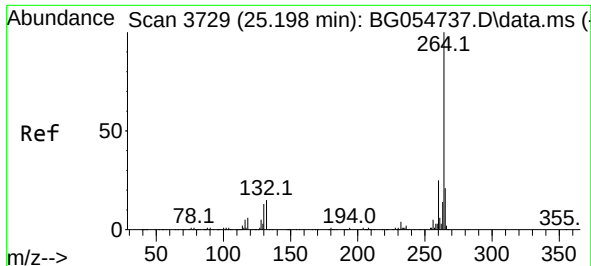
Tgt Ion:184 Resp: 23527  
Ion Ratio Lower Upper  
184 100  
185 16.5 11.4 17.0  
183 5.8 9.8 14.8#



#79  
Terphenyl-d14  
Concen: 90.962 ng  
RT: 20.132 min Scan# 2867  
Delta R.T. -0.001 min  
Lab File: BG054750.D  
Acq: 26 Aug 2022 10:33

Tgt Ion:244 Resp: 1507533  
Ion Ratio Lower Upper  
244 100  
212 8.1 6.2 9.2  
122 10.6 9.0 13.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.191 min Scan# 31

Delta R.T. -0.007 min

Lab File: BG054750.D

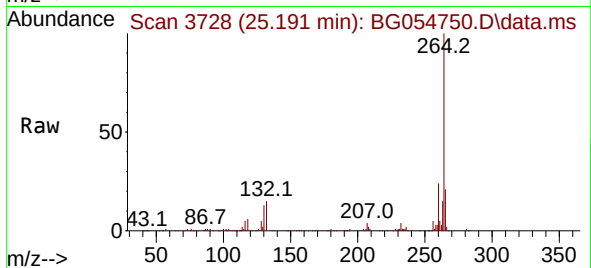
Acq: 26 Aug 2022 10:33

Instrument :

BNA\_G

ClientSampleId :

PB147143BL



Tgt Ion:264 Resp: 330096

Ion Ratio Lower Upper

264 100

260 23.5 19.9 29.9

265 20.9 16.9 25.3

