

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG081122\  
 Data File : BG054613.D  
 Acq On : 11 Aug 2022 20:43  
 Operator : CG/JU  
 Sample : N4017-04  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB11

Quant Time: Aug 12 06:07:07 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG071522.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 08 14:48:51 2022  
 Response via : Initial Calibration

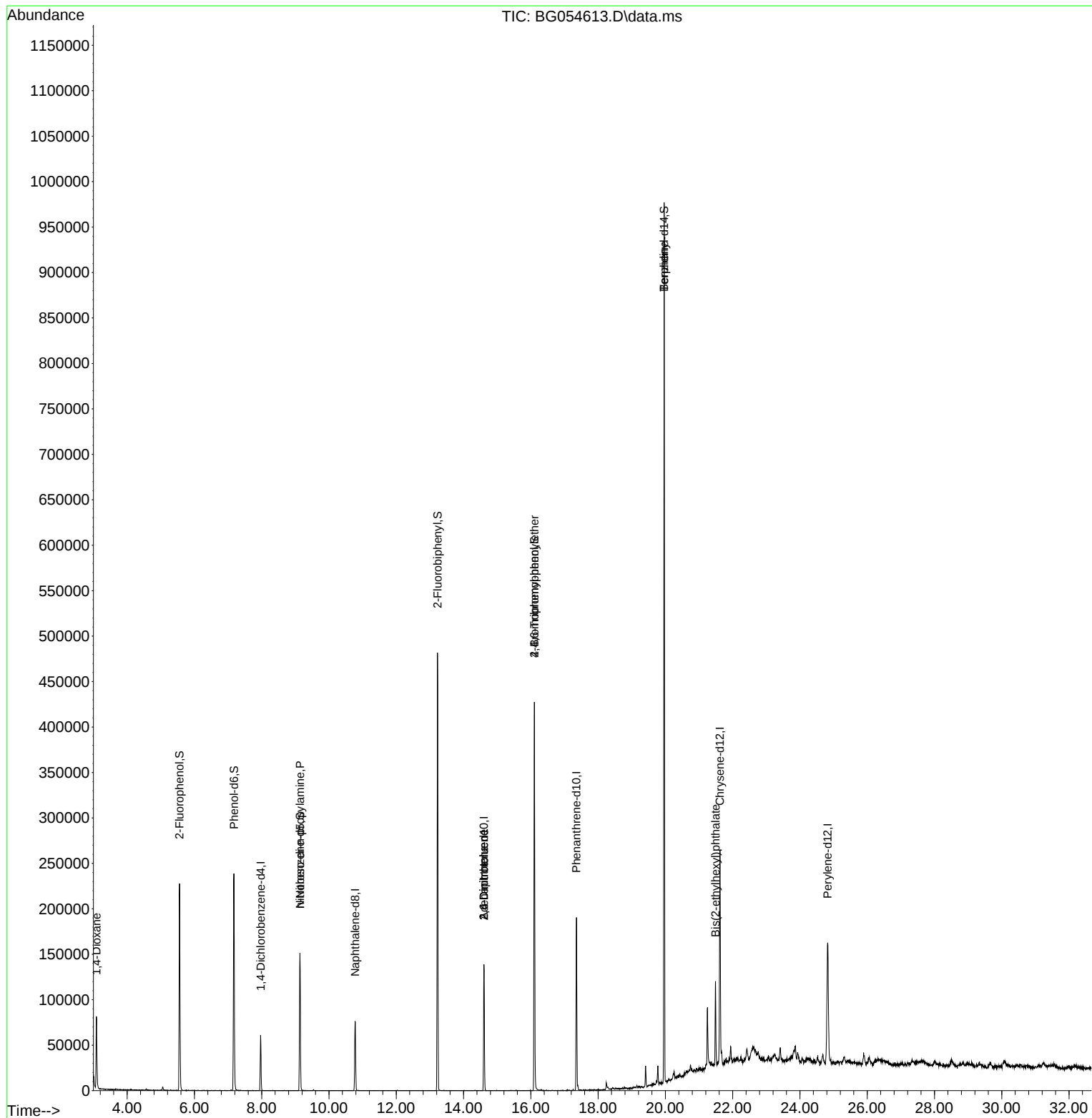
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.967  | 152  | 18852    | 20.000    | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.776 | 136  | 74674    | 20.000    | ng    | #-0.01   |
| 39) Acenaphthene-d10          | 14.607 | 164  | 57277    | 20.000    | ng    | -0.01    |
| 64) Phenanthrene-d10          | 17.356 | 188  | 138722   | 20.000    | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.622 | 240  | 155559   | 20.000    | ng    | #-0.01   |
| 86) Perylene-d12              | 24.824 | 264  | 161970   | 20.000    | ng    | -0.01    |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.558  | 112  | 104663   | 115.916   | ng    | 0.00     |
| 7) Phenol-d6                  | 7.174  | 99   | 140556   | 113.606   | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.136  | 82   | 95172    | 69.405    | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.105 | 330  | 115586   | 96.113    | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 13.226 | 172  | 280426   | 69.067    | ng    | -0.01    |
| 79) Terphenyl-d14             | 19.965 | 244  | 549377   | 70.061    | ng    | 0.00     |
| Target Compounds              |        |      |          |           |       |          |
|                               |        |      |          |           |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.091  | 88   | 756      | 2.105     | ng    | # 1      |
| 9) Benzaldehyde               | 7.162  | 77   | 67       | Below Cal |       | # 10     |
| 19) n-Nitroso-di-n-propyla... | 9.136  | 70   | 13254    | 16.042    | ng    | # 86     |
| 51) 2,6-Dinitrotoluene        | 14.607 | 165  | 7682     | 7.828     | ng    | # 16     |
| 57) 2,4-Dinitrotoluene        | 14.607 | 165  | 7682     | 5.461     | ng    | # 21     |
| 67) 4-Bromophenyl-phenylether | 16.105 | 248  | 7049     | 3.618     | ng    | # 1      |
| 77) Benzidine                 | 19.965 | 184  | 7147     | 2.537     | ng    | # 90     |
| 84) Bis(2-ethylhexyl)phtha... | 21.493 | 149  | 44213    | 11.233    | ng    | # 95     |
| -----                         |        |      |          |           |       |          |

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

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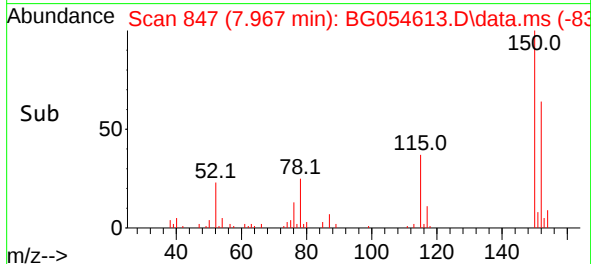
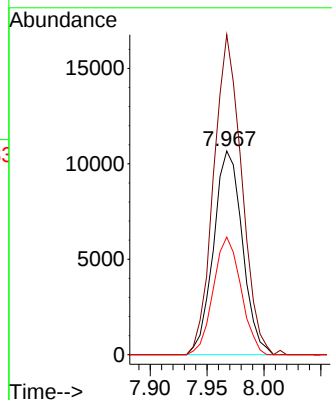
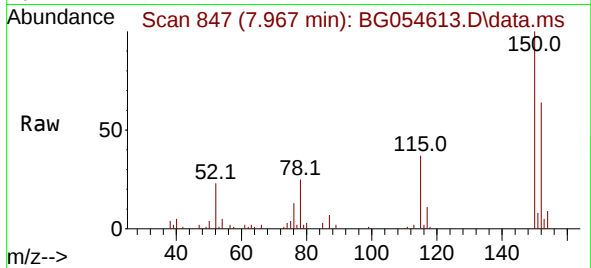




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.967 min Scan# 84  
Delta R.T. -0.005 min  
Lab File: BG054613.D  
Acq: 11 Aug 2022 20:43

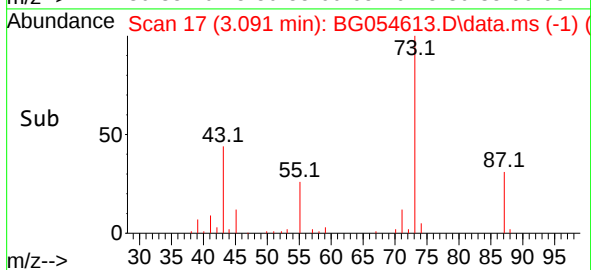
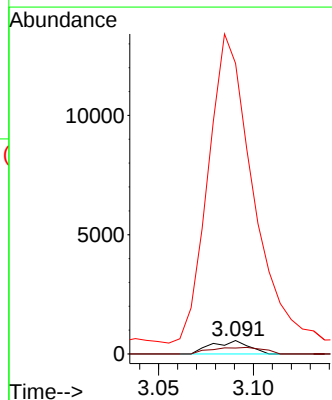
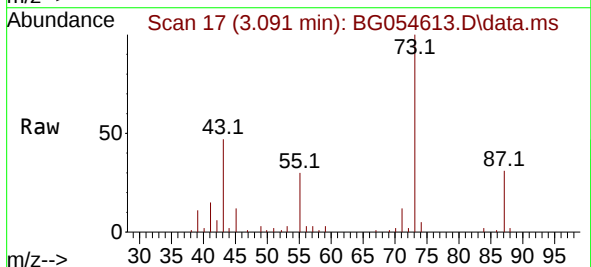
Instrument :  
BNA\_G  
ClientSampleId :  
SB11

Tgt Ion:152 Resp: 18852  
Ion Ratio Lower Upper  
152 100  
150 157.0 131.6 197.4  
115 57.7 50.9 76.3



#2  
1,4-Dioxane  
Concen: 2.105 ng  
RT: 3.091 min Scan# 17  
Delta R.T. -0.305 min  
Lab File: BG054613.D  
Acq: 11 Aug 2022 20:43

Tgt Ion: 88 Resp: 756  
Ion Ratio Lower Upper  
88 100  
58 69.8 59.2 88.8  
43 2906.1 24.3 36.5#

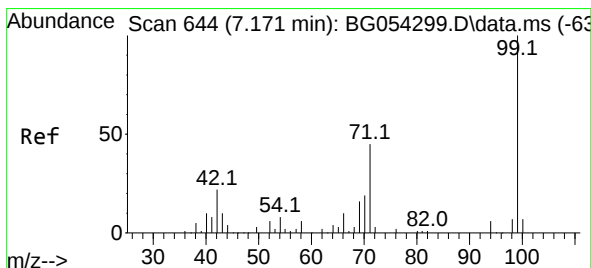
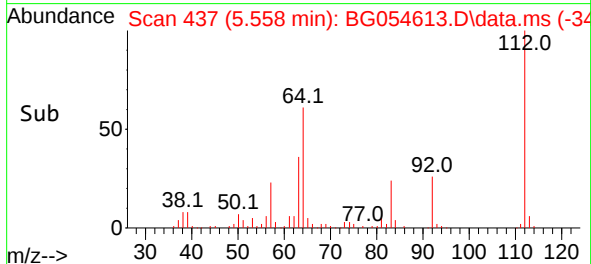
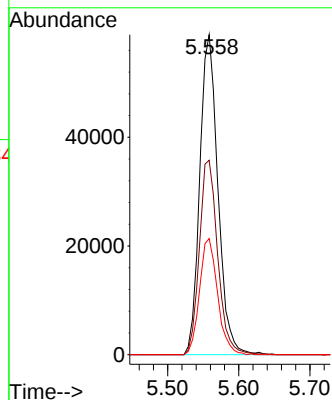
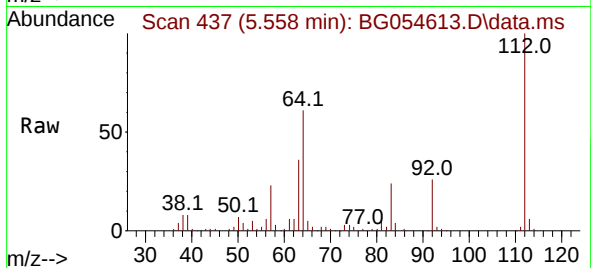




#5  
2-Fluorophenol  
Concen: 115.916 ng  
RT: 5.558 min Scan# 41  
Delta R.T. -0.005 min  
Lab File: BG054613.D  
Acq: 11 Aug 2022 20:43

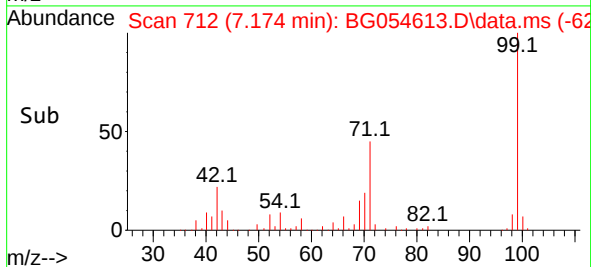
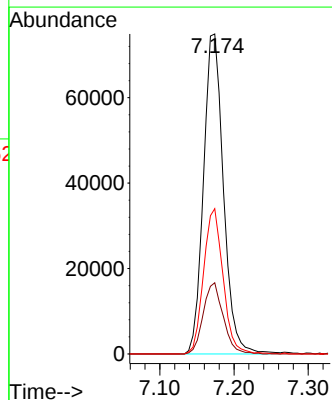
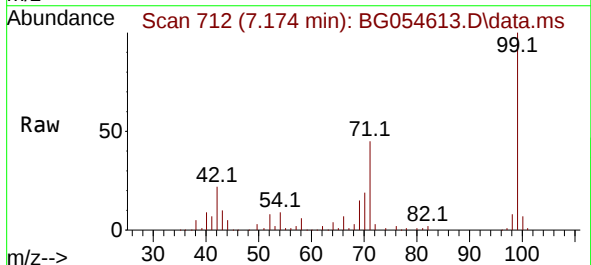
Instrument :  
BNA\_G  
ClientSampleId :  
SB11

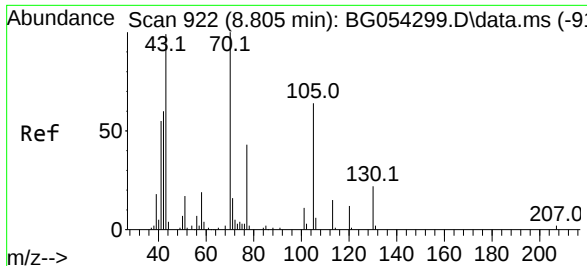
Tgt Ion:112 Resp: 104663  
Ion Ratio Lower Upper  
112 100  
64 60.8 55.1 82.7  
63 36.3 30.4 45.6



#7  
Phenol-d6  
Concen: 113.606 ng  
RT: 7.174 min Scan# 712  
Delta R.T. -0.005 min  
Lab File: BG054613.D  
Acq: 11 Aug 2022 20:43

Tgt Ion: 99 Resp: 140556  
Ion Ratio Lower Upper  
99 100  
42 22.2 17.0 25.6  
71 45.4 33.8 50.8

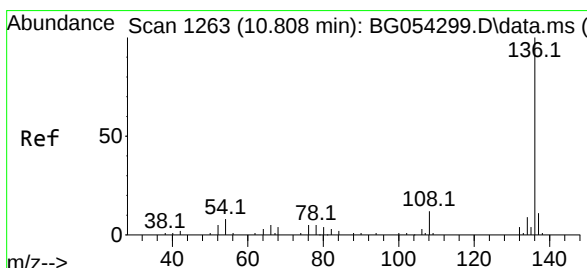
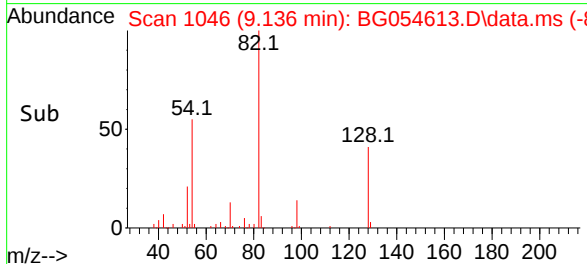
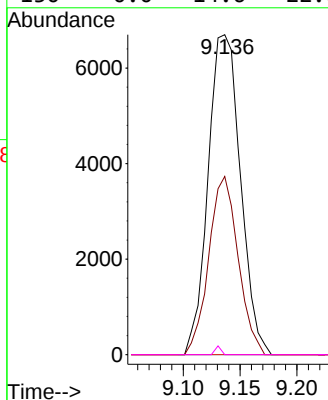
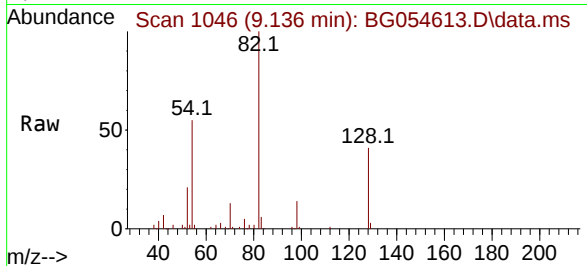




#19  
n-Nitroso-di-n-propylamine  
Concen: 16.042 ng  
RT: 9.136 min Scan# 1046  
Delta R.T. 0.353 min  
Lab File: BG054613.D  
Acq: 11 Aug 2022 20:43

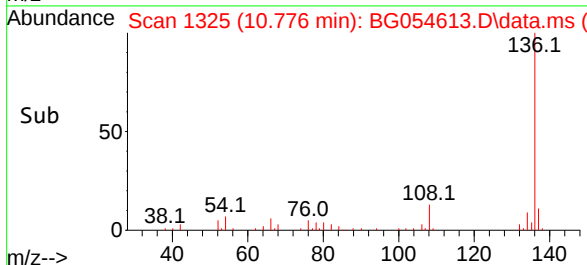
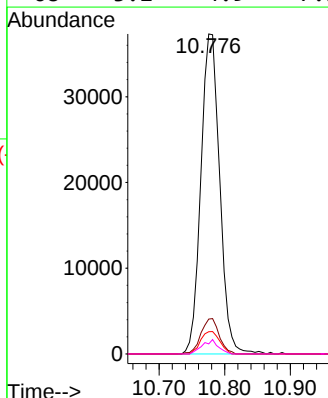
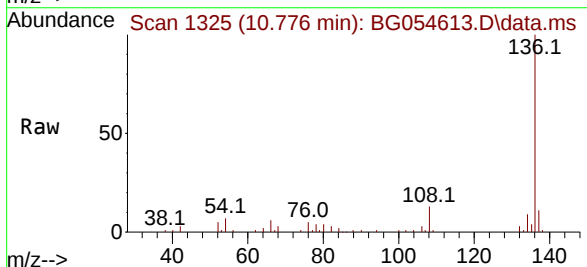
Instrument :  
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|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 70    | Resp: | 13254 |
| Ion      | Ratio | Lower | Upper |
| 70       | 100   |       |       |
| 42       | 55.7  | 47.3  | 70.9  |
| 101      | 0.0   | 7.0   | 10.4# |
| 130      | 0.0   | 14.6  | 22.0# |



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.776 min Scan# 1325  
Delta R.T. -0.011 min  
Lab File: BG054613.D  
Acq: 11 Aug 2022 20:43

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 74674 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 10.9  | 8.5   | 12.7  |
| 54       | 7.0   | 7.4   | 11.2# |
| 68       | 3.2   | 4.9   | 7.3#  |

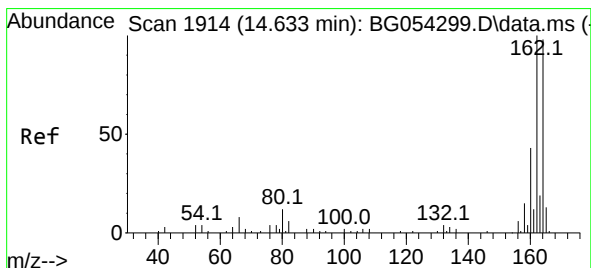
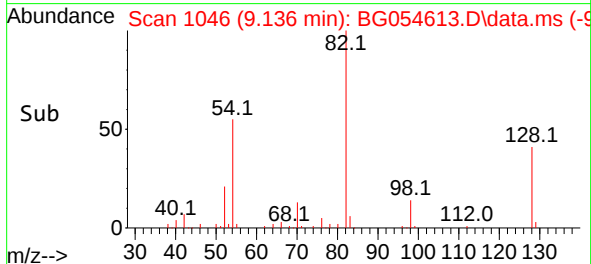
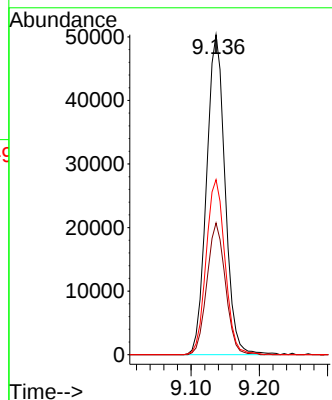
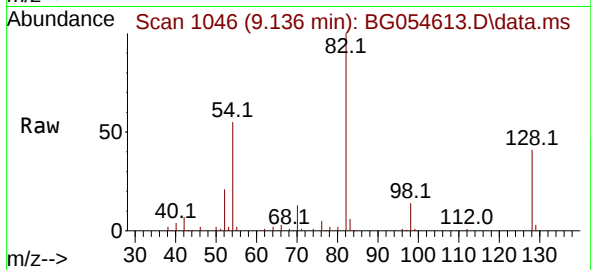




#23  
 Nitrobenzene-d5  
 Concen: 69.405 ng  
 RT: 9.136 min Scan# 1046  
 Delta R.T. -0.005 min  
 Lab File: BG054613.D  
 Acq: 11 Aug 2022 20:43

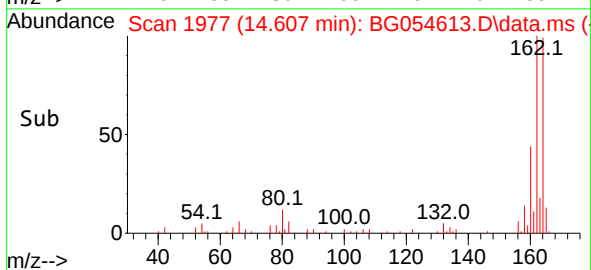
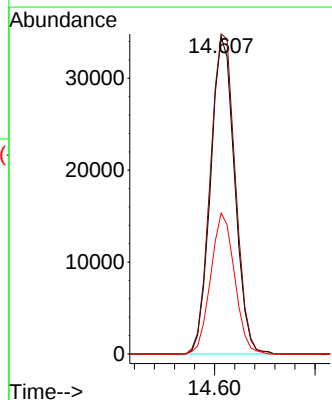
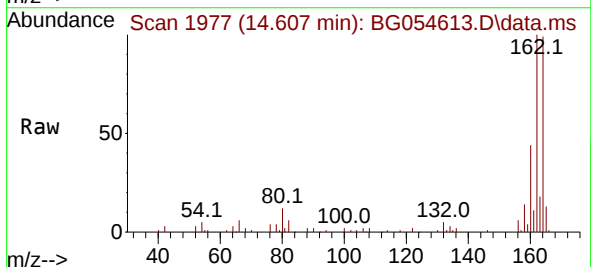
Instrument :  
 BNA\_G  
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Tgt Ion: 82 Resp: 95172  
 Ion Ratio Lower Upper  
 82 100  
 128 41.1 27.9 41.9  
 54 54.7 41.2 61.8



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.607 min Scan# 1977  
 Delta R.T. -0.011 min  
 Lab File: BG054613.D  
 Acq: 11 Aug 2022 20:43

Tgt Ion: 164 Resp: 57277  
 Ion Ratio Lower Upper  
 164 100  
 162 100.8 82.3 123.5  
 160 44.4 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 96.113 ng

RT: 16.105 min Scan# 21

Delta R.T. -0.011 min

Lab File: BG054613.D

Acq: 11 Aug 2022 20:43

Instrument :

BNA\_G

ClientSampleId :

SB11

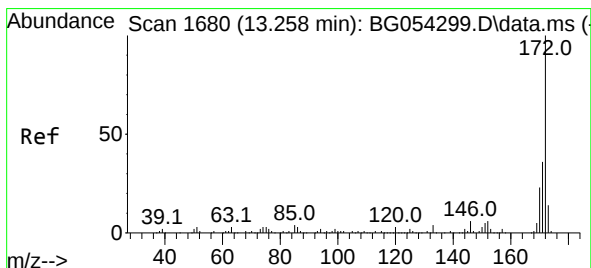
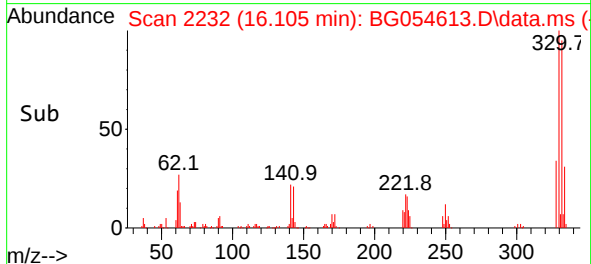
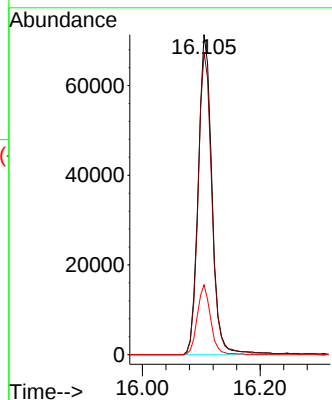
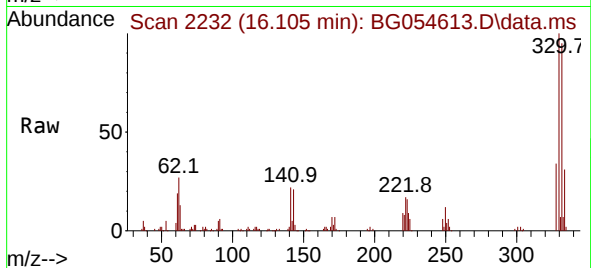
Tgt Ion:330 Resp: 115586

Ion Ratio Lower Upper

330 100

332 95.2 76.0 114.0

141 21.0 27.1 40.7#



#45

2-Fluorobiphenyl

Concen: 69.067 ng

RT: 13.226 min Scan# 1742

Delta R.T. -0.011 min

Lab File: BG054613.D

Acq: 11 Aug 2022 20:43

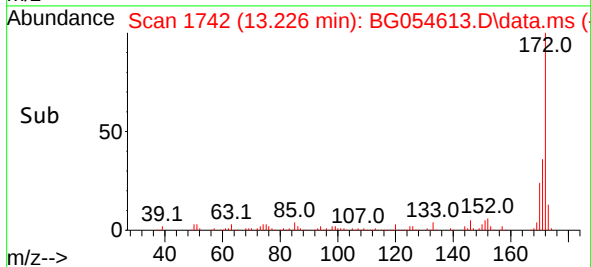
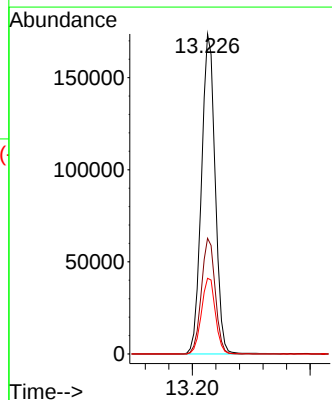
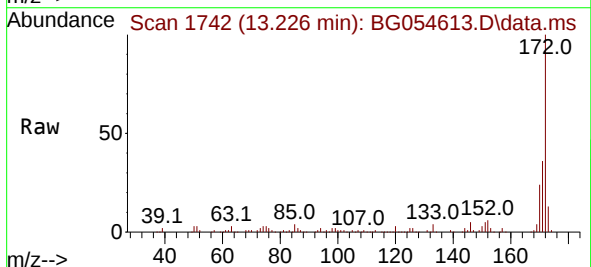
Tgt Ion:172 Resp: 280426

Ion Ratio Lower Upper

172 100

171 36.1 28.5 42.7

170 23.6 18.9 28.3

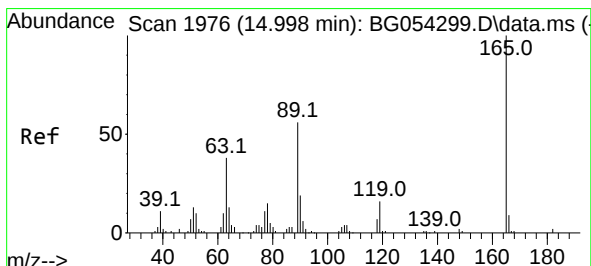
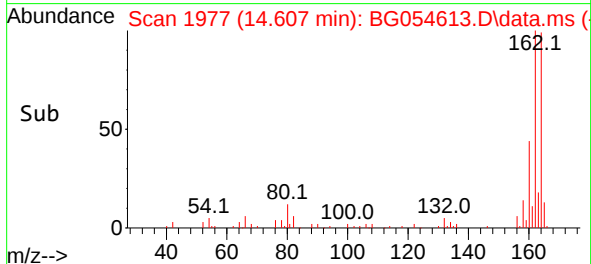
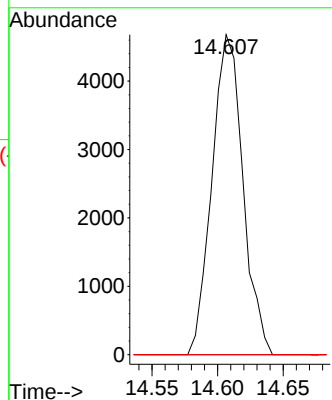
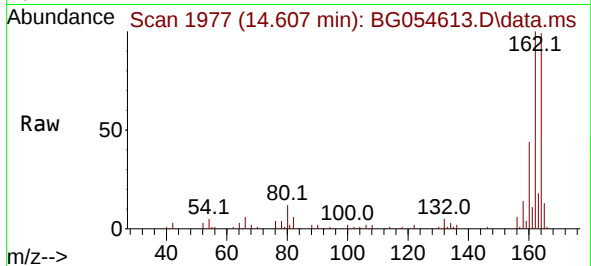




#51  
2,6-Dinitrotoluene  
Concen: 7.828 ng  
RT: 14.607 min Scan# 1977  
Delta R.T. 0.412 min  
Lab File: BG054613.D  
Acq: 11 Aug 2022 20:43

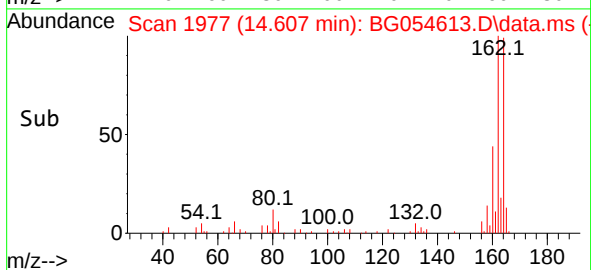
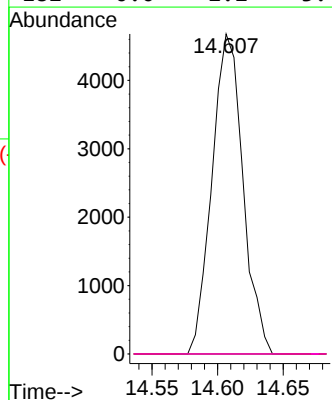
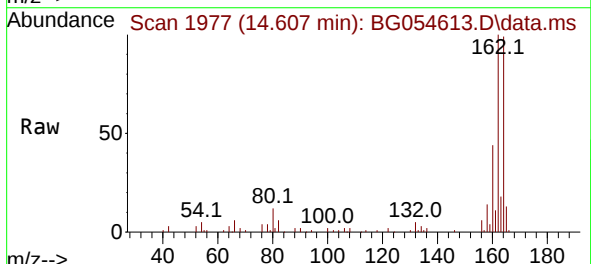
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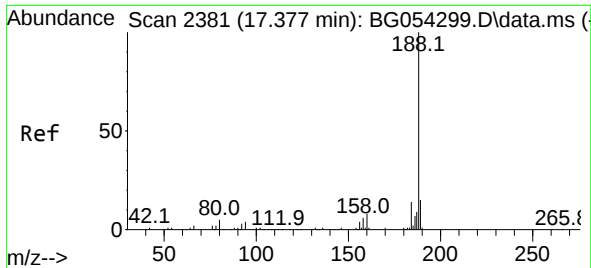
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Ion Ratio Lower Upper  
165 100  
63 0.0 54.1 81.1#  
89 0.0 54.8 82.2#



#57  
2,4-Dinitrotoluene  
Concen: 5.461 ng  
RT: 14.607 min Scan# 1977  
Delta R.T. -0.387 min  
Lab File: BG054613.D  
Acq: 11 Aug 2022 20:43

Tgt Ion:165 Resp: 7682  
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#

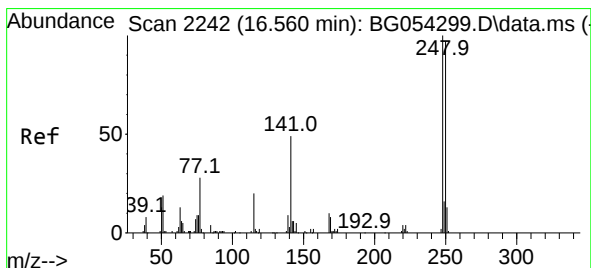
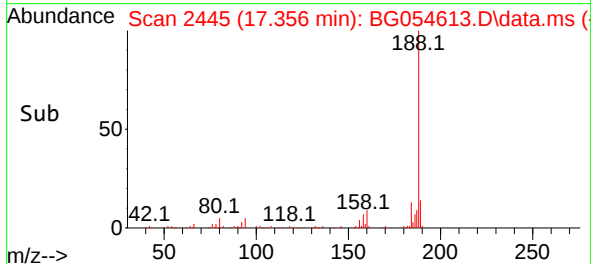
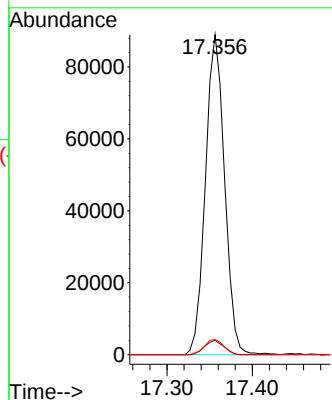
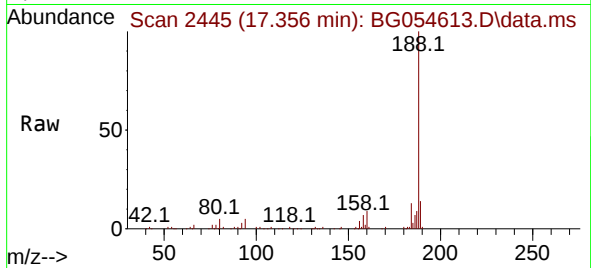




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.356 min Scan# 2445  
Delta R.T. -0.005 min  
Lab File: BG054613.D  
Acq: 11 Aug 2022 20:43

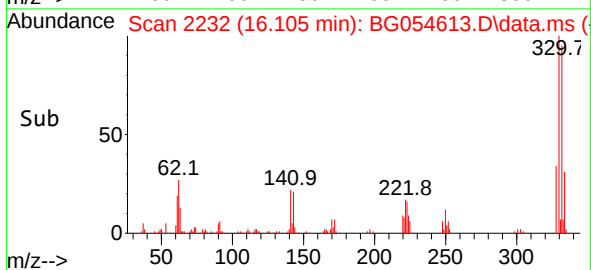
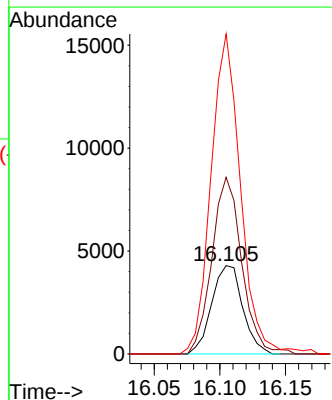
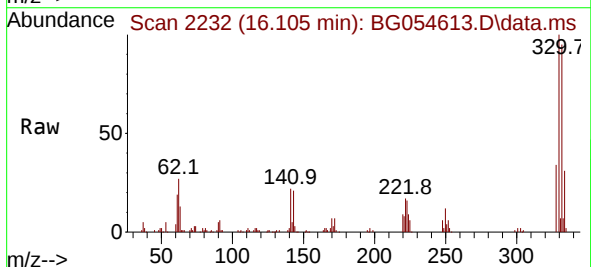
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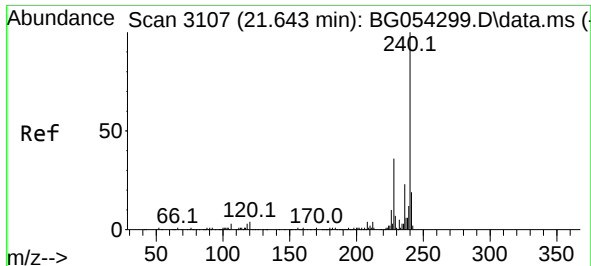
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Ion Ratio Lower Upper  
188 100  
94 4.5 5.4 8.0#  
80 4.7 6.8 10.2#



#67  
4-Bromophenyl-phenylether  
Concen: 3.618 ng  
RT: 16.105 min Scan# 2232  
Delta R.T. -0.440 min  
Lab File: BG054613.D  
Acq: 11 Aug 2022 20:43

Tgt Ion:248 Resp: 7049  
Ion Ratio Lower Upper  
248 100  
250 186.8 75.2 112.8#  
141 259.3 50.0 75.0#

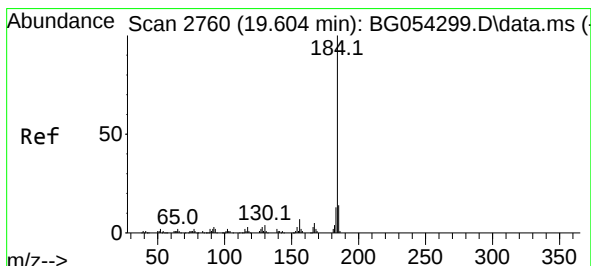
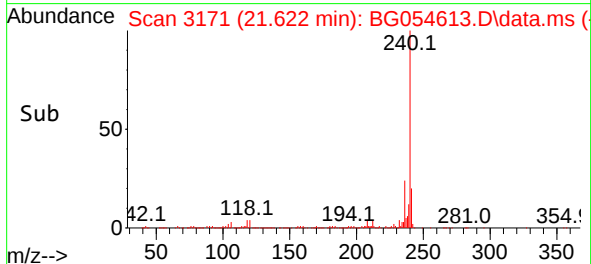
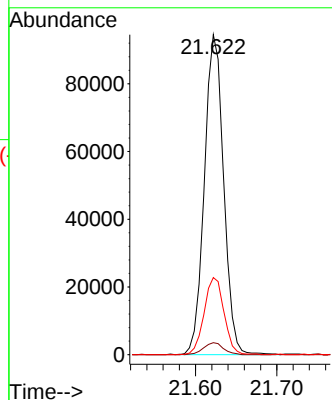
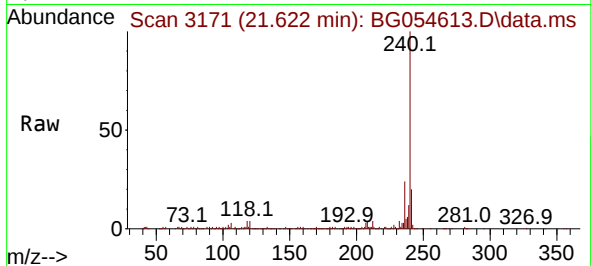




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.622 min Scan# 31  
Delta R.T. -0.011 min  
Lab File: BG054613.D  
Acq: 11 Aug 2022 20:43

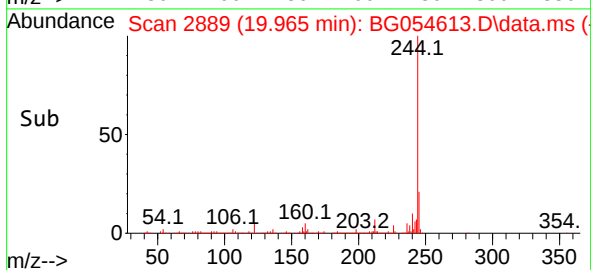
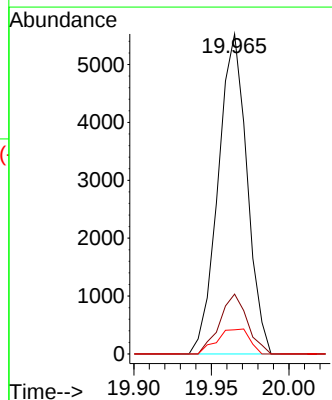
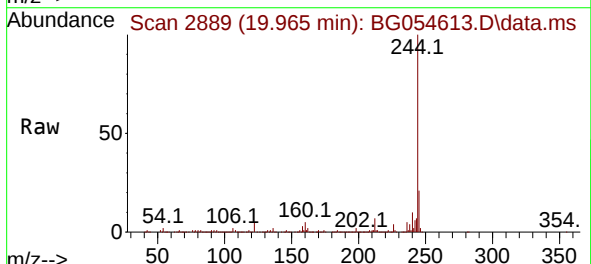
Instrument :  
BNA\_G  
ClientSampleId :  
SB11

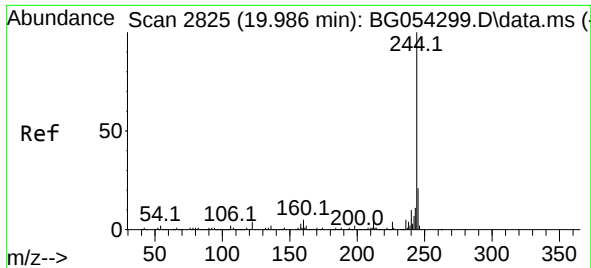
Tgt Ion:240 Resp: 155559  
Ion Ratio Lower Upper  
240 100  
120 3.8 4.6 7.0#  
236 24.1 20.2 30.4



#77  
Benzidine  
Concen: 2.537 ng  
RT: 19.965 min Scan# 2889  
Delta R.T. 0.371 min  
Lab File: BG054613.D  
Acq: 11 Aug 2022 20:43

Tgt Ion:184 Resp: 7147  
Ion Ratio Lower Upper  
184 100  
185 18.7 11.8 17.6#  
183 7.5 8.9 13.3#

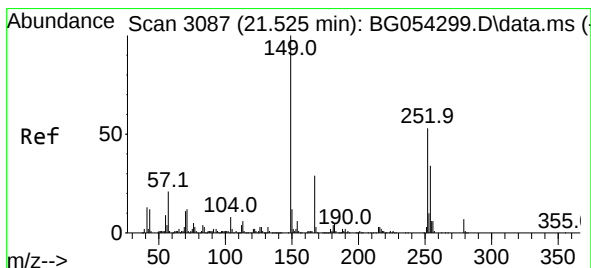
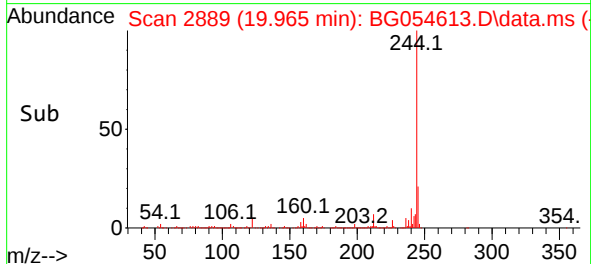
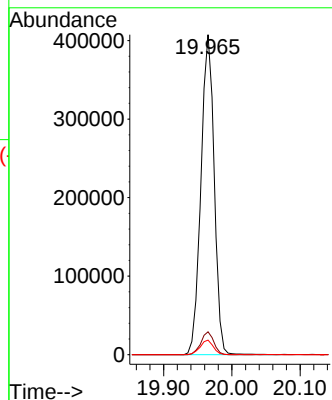
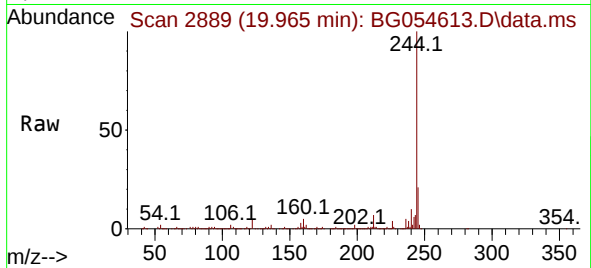




#79  
 Terphenyl-d14  
 Concen: 70.061 ng  
 RT: 19.965 min Scan# 21  
 Delta R.T. -0.005 min  
 Lab File: BG054613.D  
 Acq: 11 Aug 2022 20:43

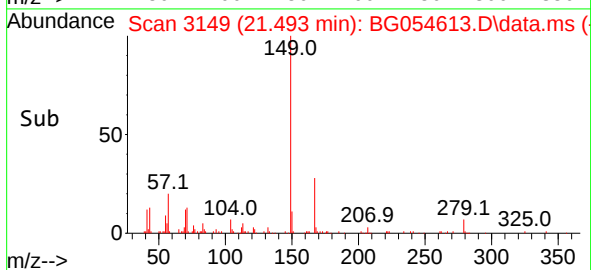
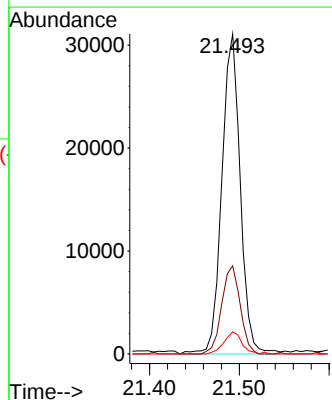
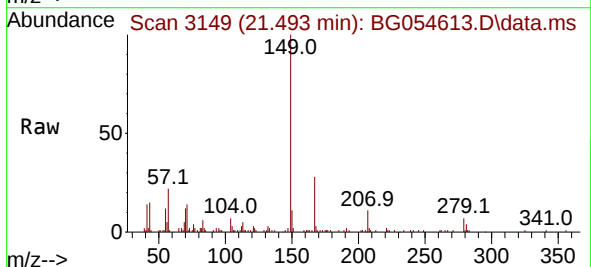
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB11

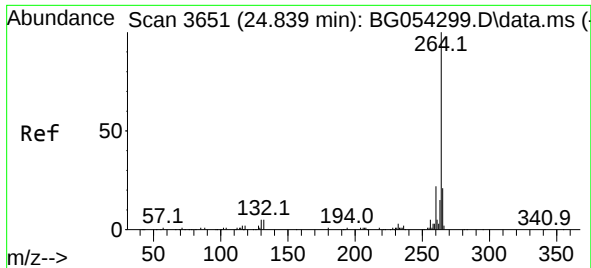
Tgt Ion:244 Resp: 549377  
 Ion Ratio Lower Upper  
 244 100  
 212 7.2 6.5 9.7  
 122 4.6 5.0 7.4#



#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 11.233 ng  
 RT: 21.493 min Scan# 3149  
 Delta R.T. -0.005 min  
 Lab File: BG054613.D  
 Acq: 11 Aug 2022 20:43

Tgt Ion:149 Resp: 44213  
 Ion Ratio Lower Upper  
 149 100  
 167 27.5 20.2 30.4  
 279 6.9 3.6 5.4#





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 24.824 min Scan# 31  
Delta R.T. -0.011 min  
Lab File: BG054613.D  
Acq: 11 Aug 2022 20:43

Instrument :  
BNA\_G  
ClientSampleId :  
SB11

Tgt Ion:264 Resp: 161970  
Ion Ratio Lower Upper  
264 100  
260 23.4 19.0 28.6  
265 21.7 17.4 26.2

