

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG051024\  
 Data File : BG061166.D  
 Acq On : 10 May 2024 16:57  
 Operator : MA/JU  
 Sample : P2423-05  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 WC-HH

Quant Time: May 10 18:35:02 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG043024.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 01 05:11:25 2024  
 Response via : Initial Calibration

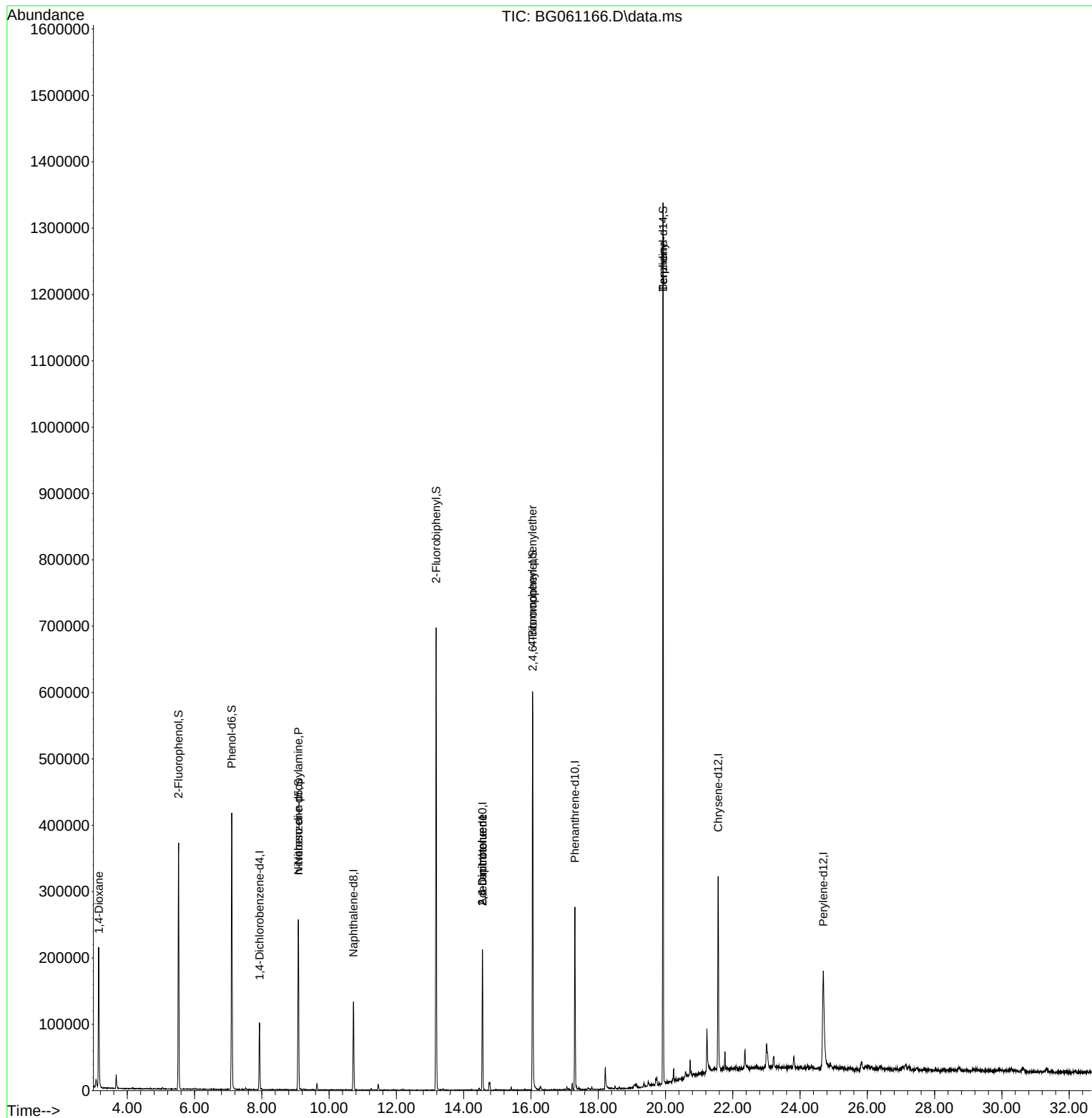
| Compound                      | R.T.   | QIon | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|--------|----------|
| -----                         |        |      |          |           |        |          |
| Internal Standards            |        |      |          |           |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.935  | 152  | 26212    | 20.000    | ng     | -0.03    |
| 21) Naphthalene-d8            | 10.726 | 136  | 104309   | 20.000    | ng     | #-0.03   |
| 39) Acenaphthene-d10          | 14.562 | 164  | 80869    | 20.000    | ng     | -0.03    |
| 64) Phenanthrene-d10          | 17.306 | 188  | 180965   | 20.000    | ng     | -0.03    |
| 76) Chrysene-d12              | 21.566 | 240  | 180703   | 20.000    | ng     | -0.03    |
| 86) Perylene-d12              | 24.692 | 264  | 206978   | 20.000    | ng     | -0.04    |
| System Monitoring Compounds   |        |      |          |           |        |          |
| 5) 2-Fluorophenol             | 5.526  | 112  | 131897   | 102.336   | ng     | -0.02    |
| 7) Phenol-d6                  | 7.106  | 99   | 189718   | 99.504    | ng     | -0.03    |
| 23) Nitrobenzene-d5           | 9.086  | 82   | 133058   | 63.235    | ng     | -0.03    |
| 42) 2,4,6-Tribromophenol      | 16.055 | 330  | 135941   | 84.100    | ng     | -0.02    |
| 45) 2-Fluorobiphenyl          | 13.182 | 172  | 360764   | 65.967    | ng     | -0.03    |
| 79) Terphenyl-d14             | 19.927 | 244  | 665444   | 61.246    | ng     | -0.03    |
| Target Compounds              |        |      |          |           |        |          |
|                               |        |      |          |           | Qvalue |          |
| 2) 1,4-Dioxane                | 3.158  | 88   | 1700     | 3.262     | ng     | # 1      |
| 9) Benzaldehyde               | 7.106  | 77   | 364      | Below Cal |        | # 3      |
| 19) n-Nitroso-di-n-propyla... | 9.086  | 70   | 19599    | 13.736    | ng     | # 60     |
| 51) 2,6-Dinitrotoluene        | 14.556 | 165  | 10742    | 8.040     | ng     | # 18     |
| 57) 2,4-Dinitrotoluene        | 14.556 | 165  | 10742    | 5.434     | ng     | # 19     |
| 67) 4-Bromophenyl-phenylether | 16.049 | 248  | 8302     | 3.894     | ng     | # 1      |
| 77) Benzidine                 | 19.927 | 184  | 11083    | 5.831     | ng     | # 91     |
| -----                         |        |      |          |           |        |          |

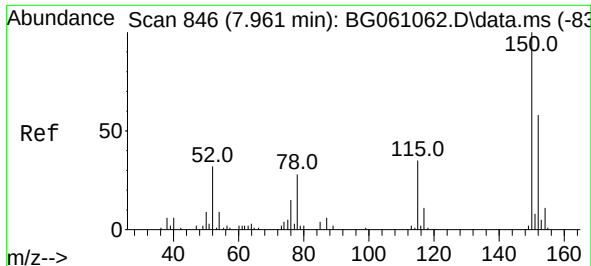
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG051024\  
Data File : BG061166.D  
Acq On : 10 May 2024 16:57  
Operator : MA/JU  
Sample : P2423-05  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
WC-HH

Quant Time: May 10 18:35:02 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG043024.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed May 01 05:11:25 2024  
Response via : Initial Calibration

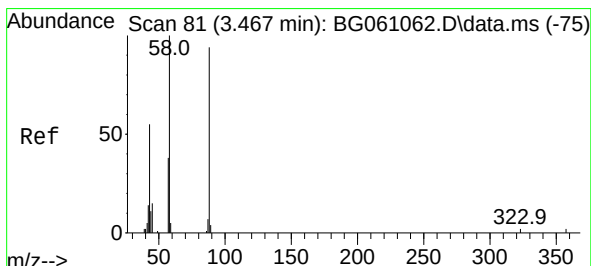
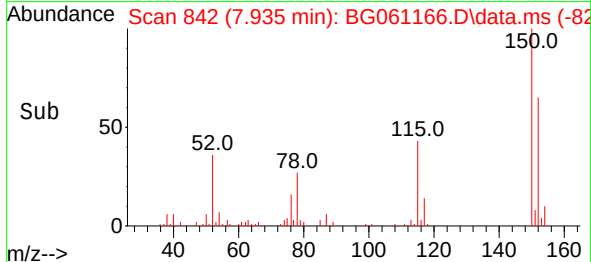
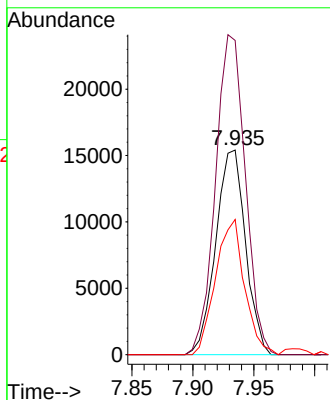
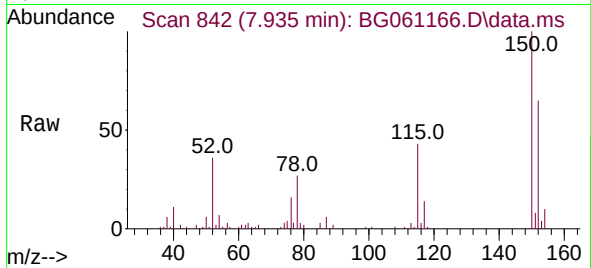




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.935 min Scan# 84  
Delta R.T. -0.026 min  
Lab File: BG061166.D  
Acq: 10 May 2024 16:57

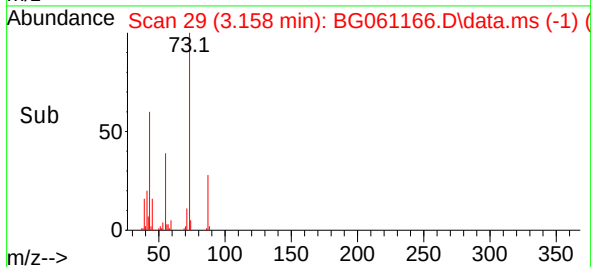
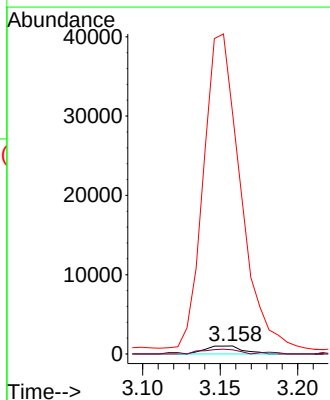
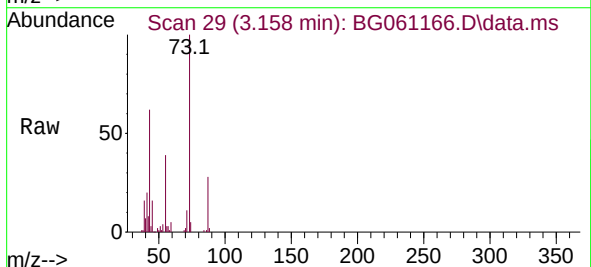
Instrument :  
BNA\_G  
ClientSampleId :  
WC-HH

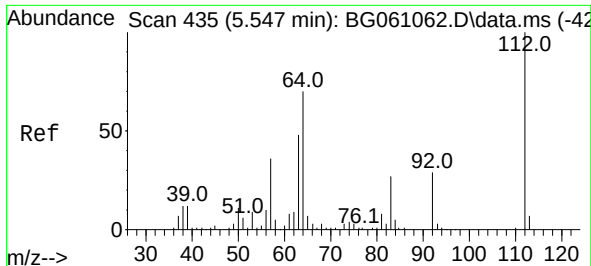
Tgt Ion:152 Resp: 26212  
Ion Ratio Lower Upper  
152 100  
150 153.6 138.3 207.5  
115 66.1 48.0 72.0



#2  
1,4-Dioxane  
Concen: 3.262 ng  
RT: 3.158 min Scan# 29  
Delta R.T. -0.309 min  
Lab File: BG061166.D  
Acq: 10 May 2024 16:57

Tgt Ion: 88 Resp: 1700  
Ion Ratio Lower Upper  
88 100  
58 64.9 81.2 121.8#  
43 3892.8 45.0 67.4#

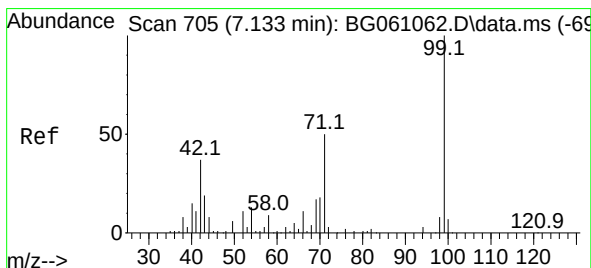
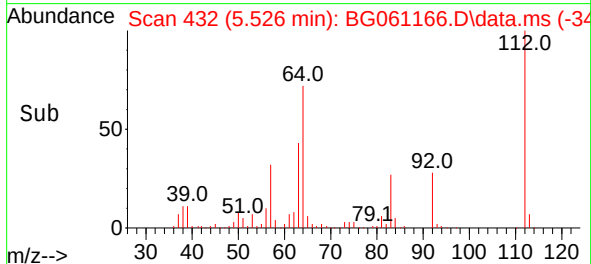
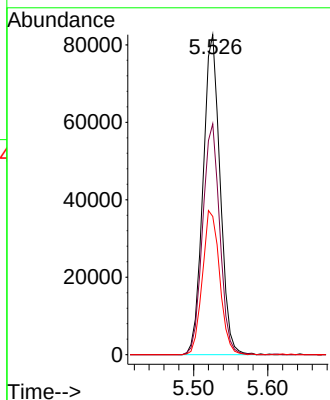
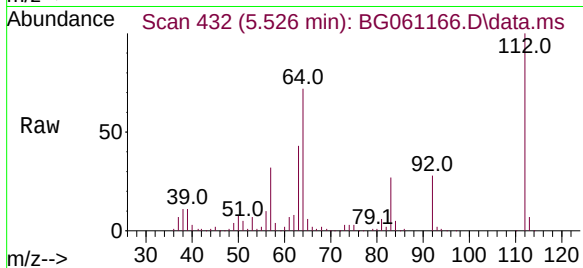




#5  
2-Fluorophenol  
Concen: 102.336 ng  
RT: 5.526 min Scan# 41  
Delta R.T. -0.021 min  
Lab File: BG061166.D  
Acq: 10 May 2024 16:57

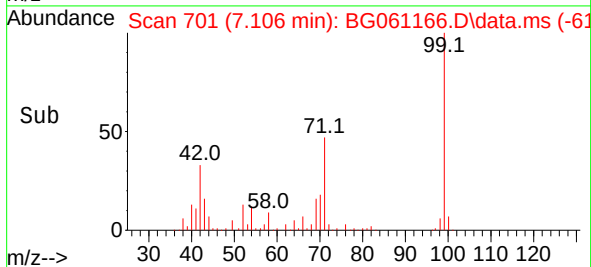
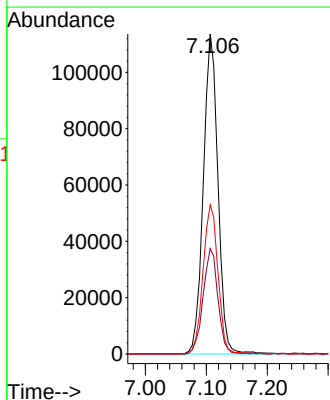
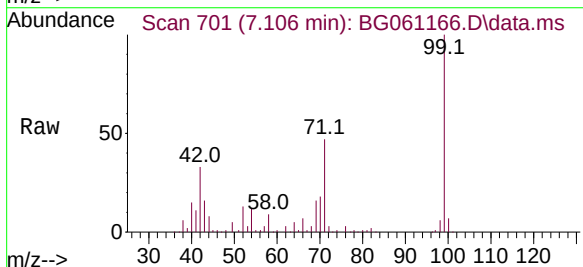
Instrument :  
BNA\_G  
ClientSampleId :  
WC-HH

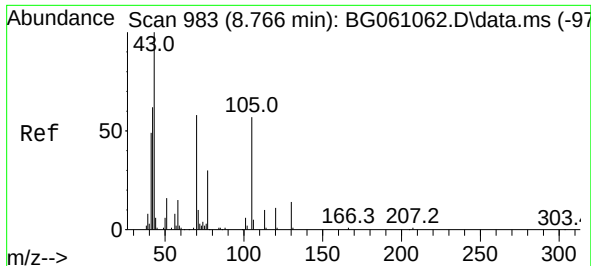
Tgt Ion:112 Resp: 131897  
Ion Ratio Lower Upper  
112 100  
64 72.2 55.7 83.5  
63 43.2 38.1 57.1



#7  
Phenol-d6  
Concen: 99.504 ng  
RT: 7.106 min Scan# 701  
Delta R.T. -0.027 min  
Lab File: BG061166.D  
Acq: 10 May 2024 16:57

Tgt Ion: 99 Resp: 189718  
Ion Ratio Lower Upper  
99 100  
42 33.0 29.2 43.8  
71 46.6 39.7 59.5

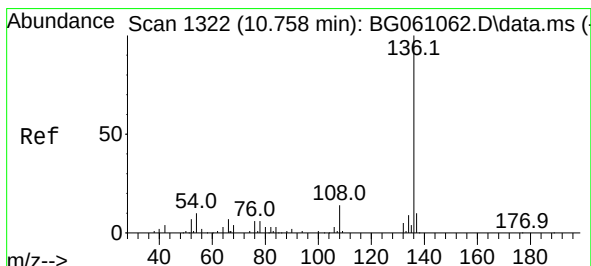
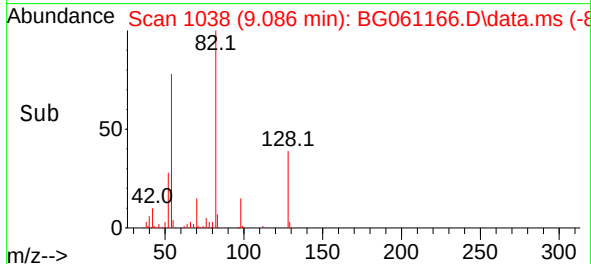
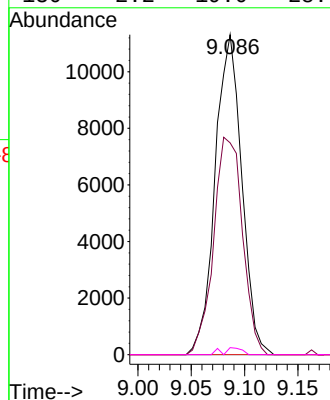
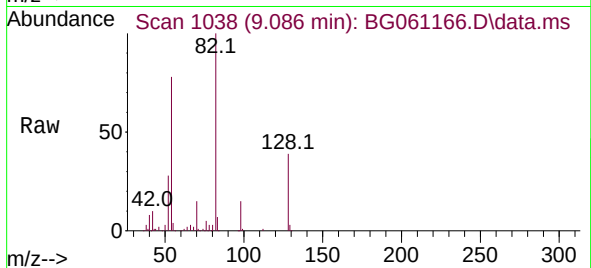




#19  
n-Nitroso-di-n-propylamine  
Concen: 13.736 ng  
RT: 9.086 min Scan# 11  
Delta R.T. 0.320 min  
Lab File: BG061166.D  
Acq: 10 May 2024 16:57

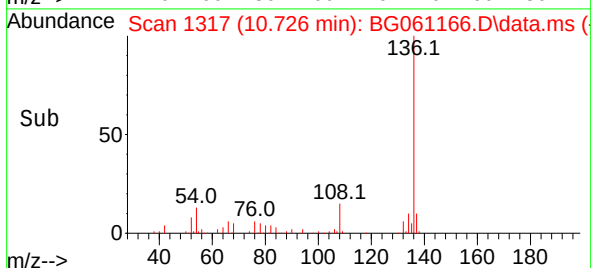
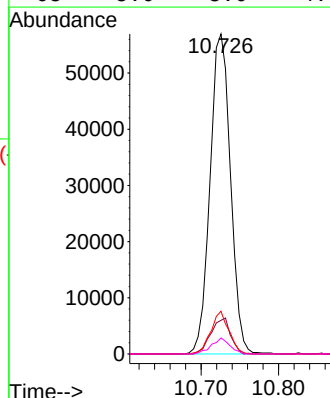
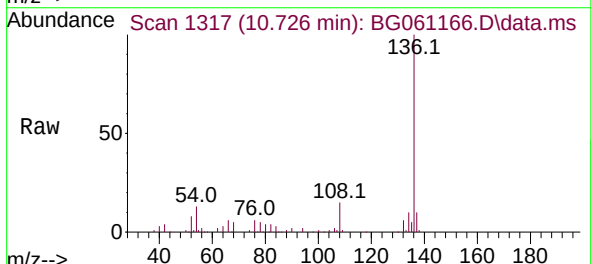
Instrument :  
BNA\_G  
ClientSampleId :  
WC-HH

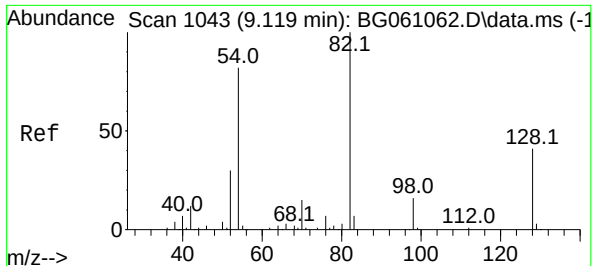
Tgt Ion: 70 Resp: 19599  
Ion Ratio Lower Upper  
70 100  
42 66.2 86.4 129.6#  
101 0.0 7.8 11.8#  
130 2.2 19.0 28.4#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.726 min Scan# 1317  
Delta R.T. -0.033 min  
Lab File: BG061166.D  
Acq: 10 May 2024 16:57

Tgt Ion: 136 Resp: 104309  
Ion Ratio Lower Upper  
136 100  
137 10.5 7.8 11.6  
54 13.4 8.1 12.1#  
68 5.0 3.0 4.4#

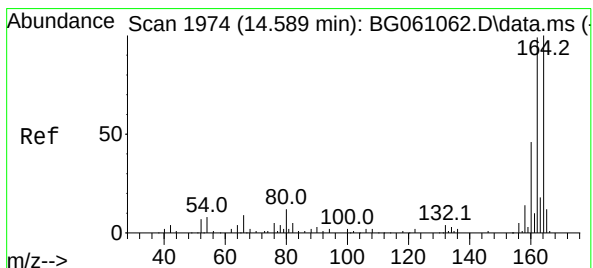
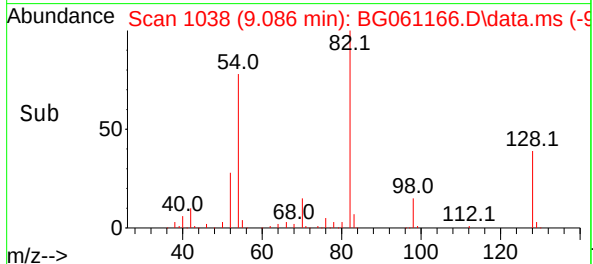
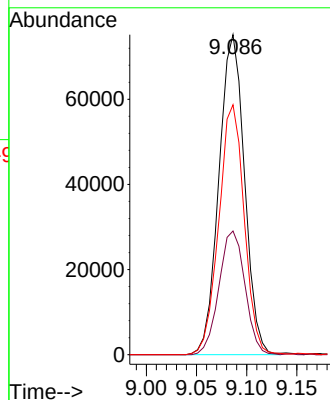
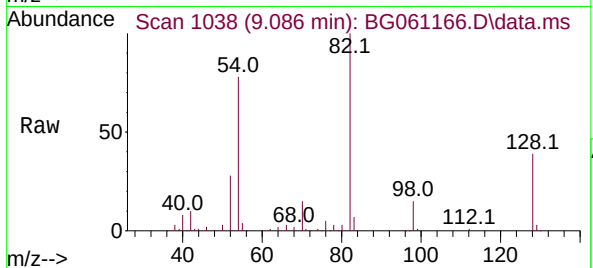




#23  
Nitrobenzene-d5  
Concen: 63.235 ng  
RT: 9.086 min Scan# 1038  
Delta R.T. -0.033 min  
Lab File: BG061166.D  
Acq: 10 May 2024 16:57

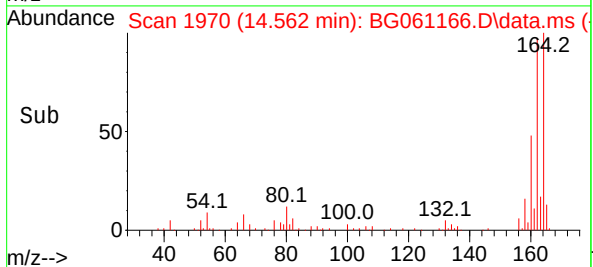
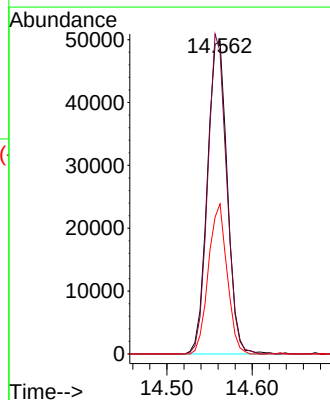
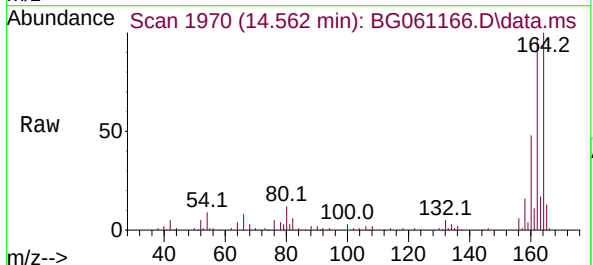
Instrument :  
BNA\_G  
ClientSampleId :  
WC-HH

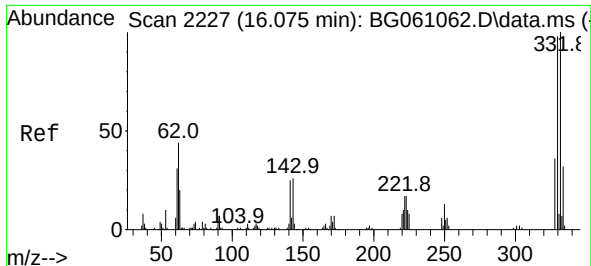
Tgt Ion: 82 Resp: 133058  
Ion Ratio Lower Upper  
82 100  
128 38.7 32.7 49.1  
54 78.1 65.6 98.4



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.562 min Scan# 1970  
Delta R.T. -0.027 min  
Lab File: BG061166.D  
Acq: 10 May 2024 16:57

Tgt Ion:164 Resp: 80869  
Ion Ratio Lower Upper  
164 100  
162 96.7 79.4 119.2  
160 48.0 37.0 55.6

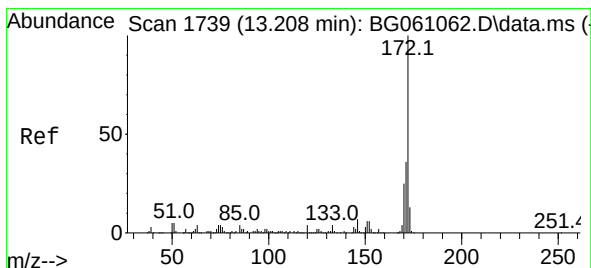
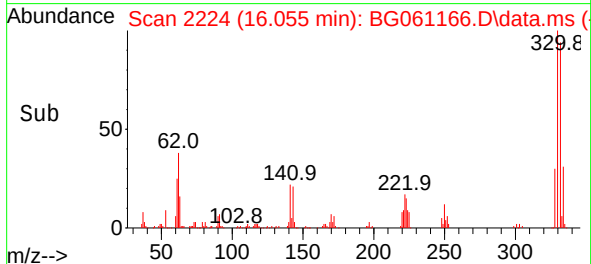
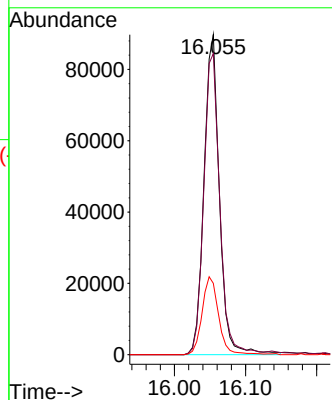
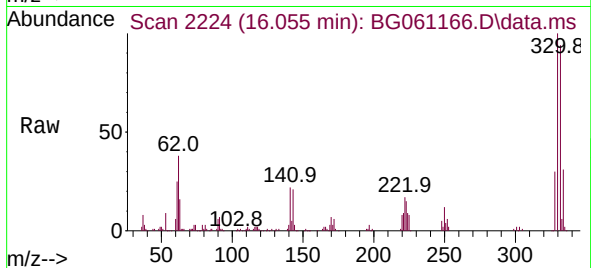




#42  
2,4,6-Tribromophenol  
Concen: 84.100 ng  
RT: 16.055 min Scan# 21  
Delta R.T. -0.021 min  
Lab File: BG061166.D  
Acq: 10 May 2024 16:57

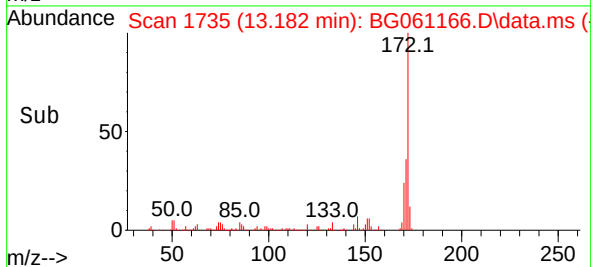
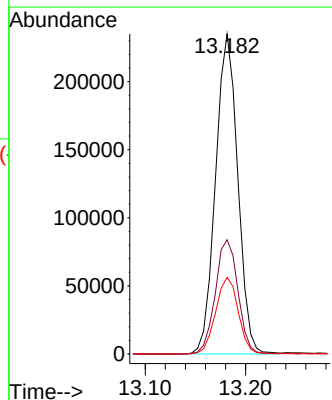
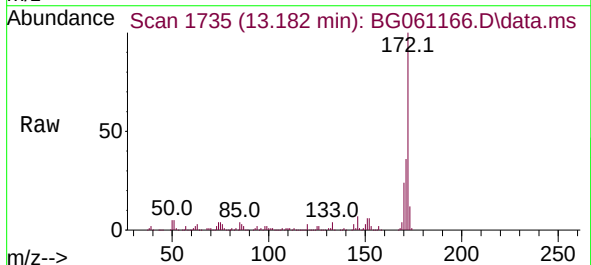
Instrument :  
BNA\_G  
ClientSampleId :  
WC-HH

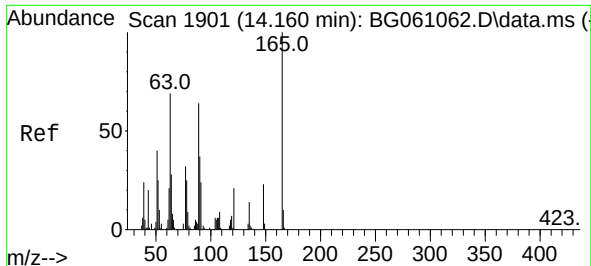
Tgt Ion:330 Resp: 135941  
Ion Ratio Lower Upper  
330 100  
332 97.4 78.6 117.8  
141 25.9 20.5 30.7



#45  
2-Fluorobiphenyl  
Concen: 65.967 ng  
RT: 13.182 min Scan# 1735  
Delta R.T. -0.027 min  
Lab File: BG061166.D  
Acq: 10 May 2024 16:57

Tgt Ion:172 Resp: 360764  
Ion Ratio Lower Upper  
172 100  
171 35.7 29.0 43.6  
170 23.9 20.2 30.4





#51

2,6-Dinitrotoluene

Concen: 8.040 ng

RT: 14.556 min Scan# 1969

Delta R.T. 0.396 min

Lab File: BG061166.D

Acq: 10 May 2024 16:57

Instrument :

BNA\_G

ClientSampleId :

WC-HH

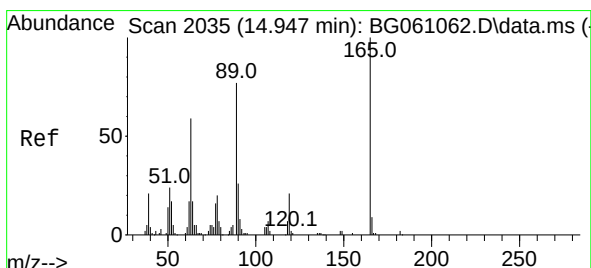
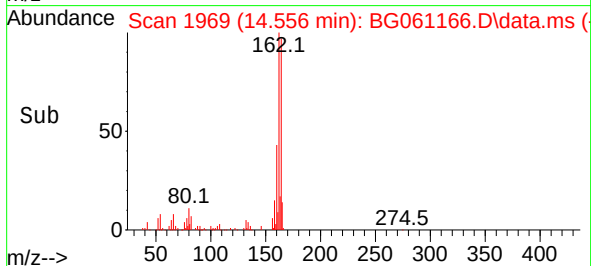
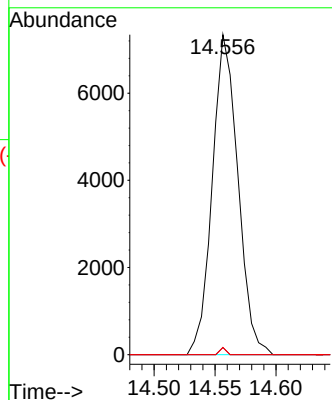
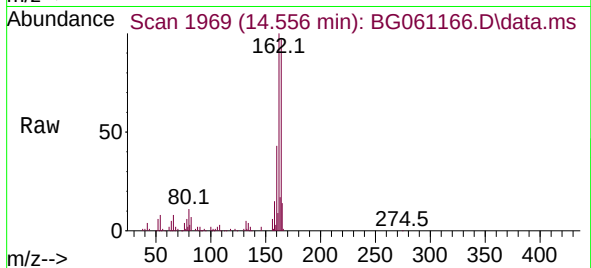
Tgt Ion:165 Resp: 10742

Ion Ratio Lower Upper

165 100

63 2.2 60.0 90.0#

89 2.2 50.9 76.3#



#57

2,4-Dinitrotoluene

Concen: 5.434 ng

RT: 14.556 min Scan# 1969

Delta R.T. -0.391 min

Lab File: BG061166.D

Acq: 10 May 2024 16:57

Tgt Ion:165 Resp: 10742

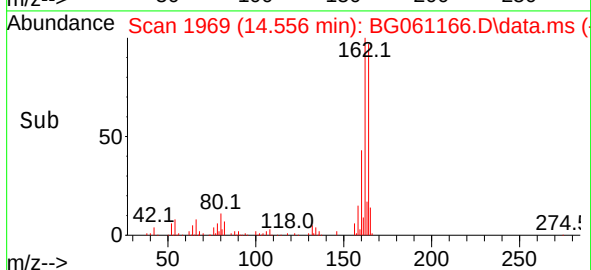
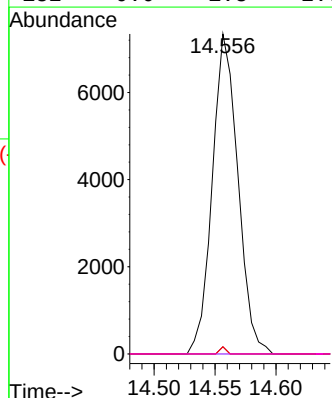
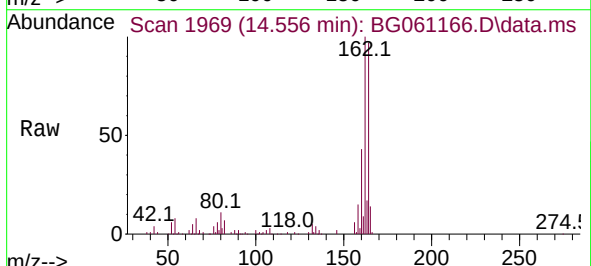
Ion Ratio Lower Upper

165 100

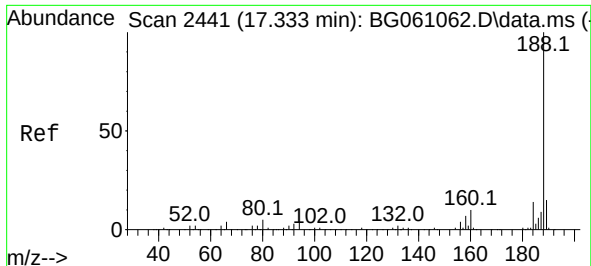
63 2.2 47.3 70.9#

89 2.2 61.8 92.8#

182 0.0 1.8 2.6#



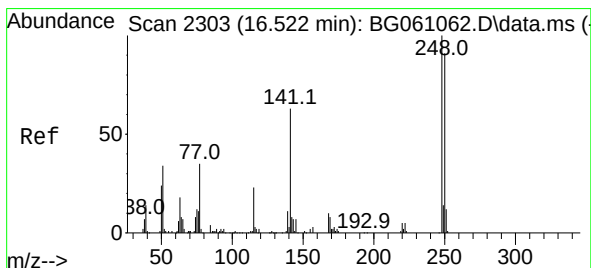
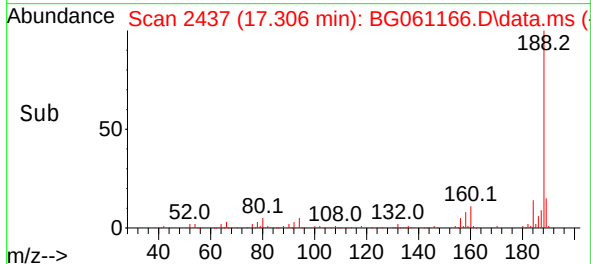
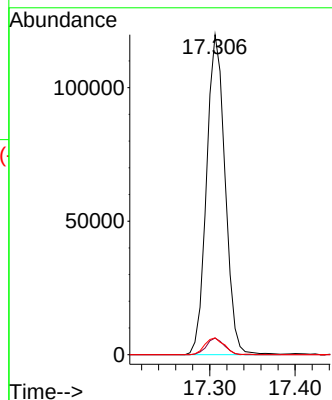
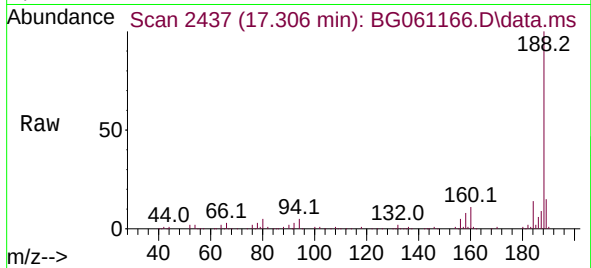




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.306 min Scan# 2441  
Delta R.T. -0.027 min  
Lab File: BG061166.D  
Acq: 10 May 2024 16:57

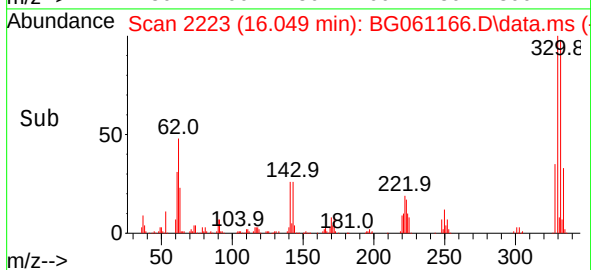
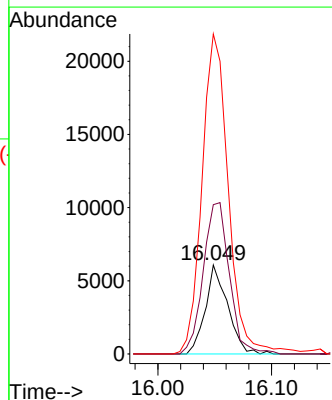
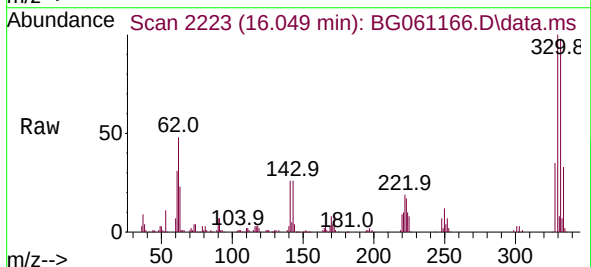
Instrument :  
BNA\_G  
ClientSampleId :  
WC-HH

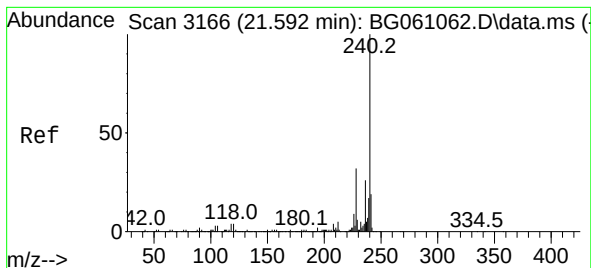
Tgt Ion:188 Resp: 180965  
Ion Ratio Lower Upper  
188 100  
94 5.2 3.6 5.4  
80 5.2 4.2 6.2



#67  
4-Bromophenyl-phenylether  
Concen: 3.894 ng  
RT: 16.049 min Scan# 2223  
Delta R.T. -0.473 min  
Lab File: BG061166.D  
Acq: 10 May 2024 16:57

Tgt Ion:248 Resp: 8302  
Ion Ratio Lower Upper  
248 100  
250 167.9 73.0 109.4#  
141 359.8 50.8 76.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.566 min Scan# 3162

Delta R.T. -0.027 min

Lab File: BG061166.D

Acq: 10 May 2024 16:57

Instrument :

BNA\_G

ClientSampleId :

WC-HH

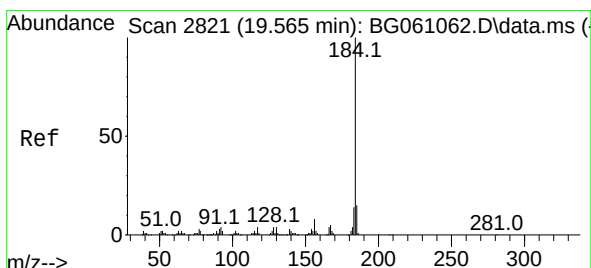
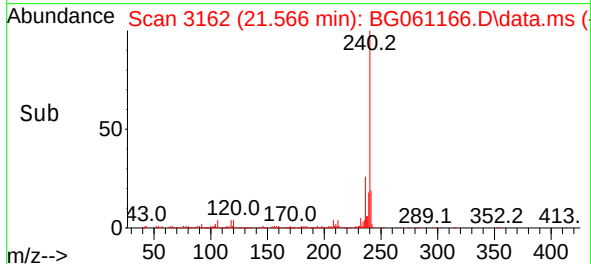
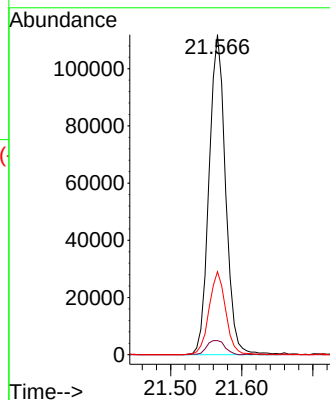
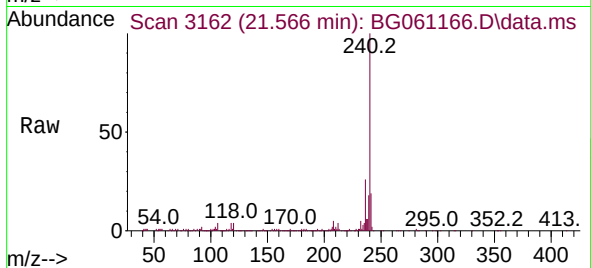
Tgt Ion:240 Resp: 180703

Ion Ratio Lower Upper

240 100

120 4.4 3.2 4.8

236 25.9 21.0 31.6



#77

Benzidine

Concen: 5.831 ng

RT: 19.927 min Scan# 2883

Delta R.T. 0.362 min

Lab File: BG061166.D

Acq: 10 May 2024 16:57

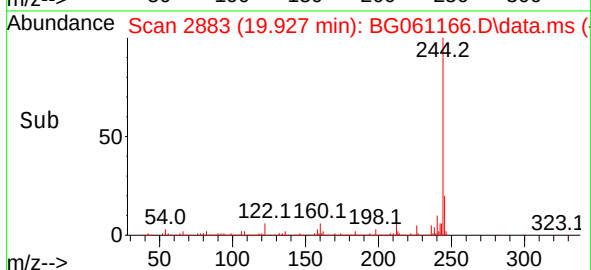
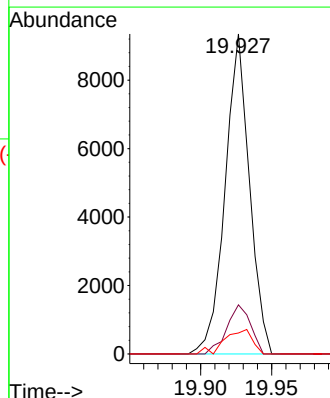
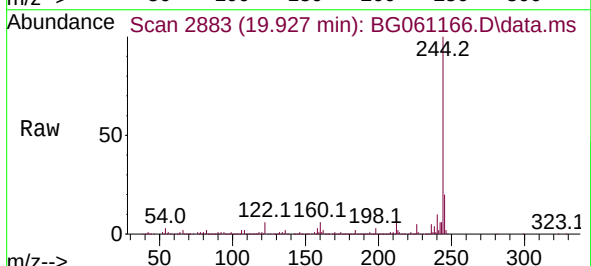
Tgt Ion:184 Resp: 11083

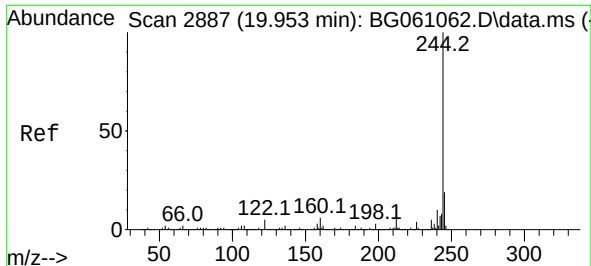
Ion Ratio Lower Upper

184 100

185 15.4 12.0 18.0

183 6.5 10.9 16.3#

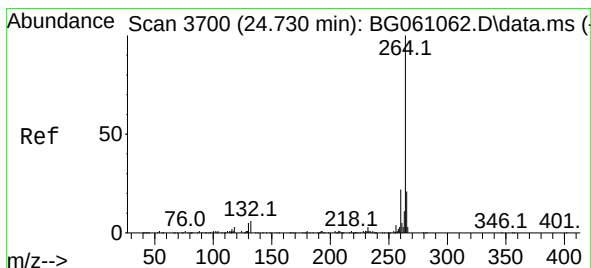
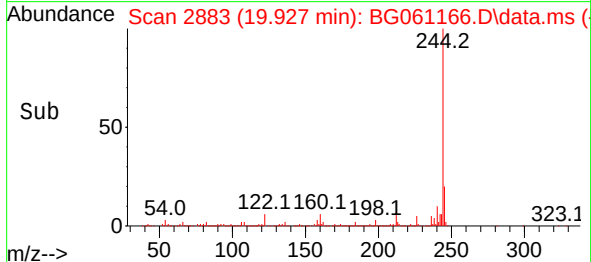
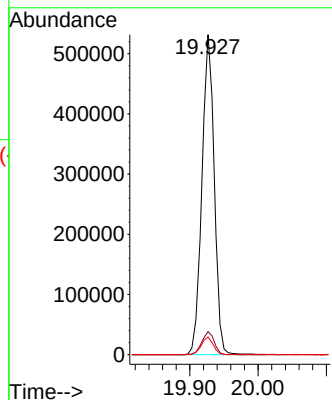
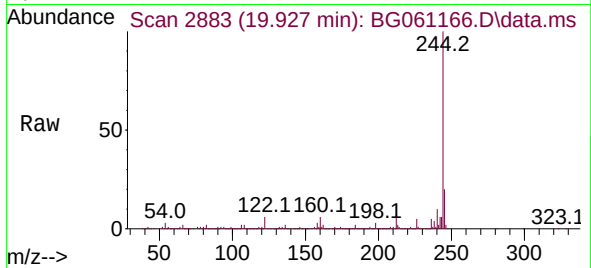




#79  
 Terphenyl-d14  
 Concen: 61.246 ng  
 RT: 19.927 min Scan# 21  
 Delta R.T. -0.027 min  
 Lab File: BG061166.D  
 Acq: 10 May 2024 16:57

Instrument :  
 BNA\_G  
 ClientSampleId :  
 WC-HH

Tgt Ion:244 Resp: 665444  
 Ion Ratio Lower Upper  
 244 100  
 212 7.2 5.7 8.5  
 122 5.6 4.2 6.2



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.692 min Scan# 3694  
 Delta R.T. -0.038 min  
 Lab File: BG061166.D  
 Acq: 10 May 2024 16:57

Tgt Ion:264 Resp: 206978  
 Ion Ratio Lower Upper  
 264 100  
 260 24.5 17.7 26.5  
 265 21.2 16.4 24.6

