

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG051024\  
 Data File : BG061165.D  
 Acq On : 10 May 2024 16:16  
 Operator : MA/JU  
 Sample : P2422-05  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 WCS-TP-F

Quant Time: May 10 16:55:46 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

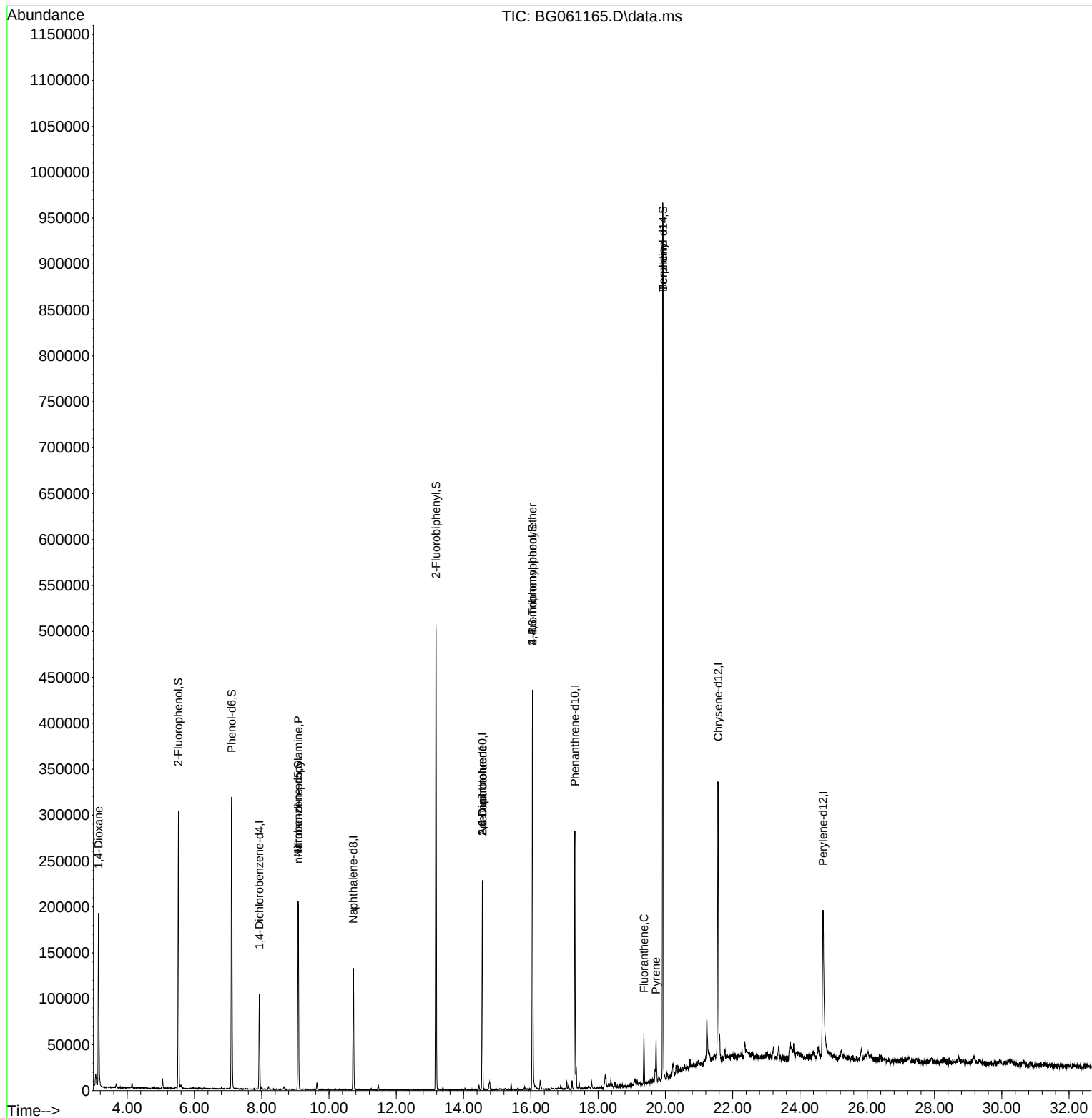
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.931  | 152  | 26163    | 20.000    | ng    | -0.03    |
| 21) Naphthalene-d8            | 10.722 | 136  | 103783   | 20.000    | ng    | -0.04    |
| 39) Acenaphthene-d10          | 14.559 | 164  | 78412    | 20.000    | ng    | -0.03    |
| 64) Phenanthrene-d10          | 17.309 | 188  | 179794   | 20.000    | ng    | -0.02    |
| 76) Chrysene-d12              | 21.568 | 240  | 182456   | 20.000    | ng    | #-0.02   |
| 86) Perylene-d12              | 24.688 | 264  | 215995   | 20.000    | ng    | -0.04    |
|                               |        |      |          |           |       |          |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.522  | 112  | 103770   | 80.664    | ng    | -0.02    |
| 7) Phenol-d6                  | 7.109  | 99   | 144042   | 75.689    | ng    | -0.02    |
| 23) Nitrobenzene-d5           | 9.083  | 82   | 105079   | 50.191    | ng    | -0.04    |
| 42) 2,4,6-Tribromophenol      | 16.051 | 330  | 101486   | 64.751    | ng    | -0.02    |
| 45) 2-Fluorobiphenyl          | 13.178 | 172  | 274729   | 51.809    | ng    | -0.03    |
| 79) Terphenyl-d14             | 19.929 | 244  | 510786   | 46.560    | ng    | -0.02    |
|                               |        |      |          |           |       |          |
| Target Compounds              |        |      |          |           |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.149  | 88   | 1482     | 2.849     | ng    | # 1      |
| 9) Benzaldehyde               | 7.085  | 77   | 55       | Below Cal |       | # 3      |
| 19) n-Nitroso-di-n-propyla... | 9.089  | 70   | 16386    | 11.505    | ng    | # 54     |
| 51) 2,6-Dinitrotoluene        | 14.559 | 165  | 9904     | 7.645     | ng    | # 15     |
| 57) 2,4-Dinitrotoluene        | 14.559 | 165  | 9904     | 5.167     | ng    | # 17     |
| 67) 4-Bromophenyl-phenylether | 16.051 | 248  | 6062     | 2.862     | ng    | # 1      |
| 75) Fluoranthene              | 19.365 | 202  | 35077    | 3.115     | ng    | 97       |
| 77) Benzidine                 | 19.929 | 184  | 7646     | 4.869     | ng    | # 93     |
| 78) Pyrene                    | 19.723 | 202  | 30345    | 2.616     | ng    | 97       |
| -----                         |        |      |          |           |       |          |

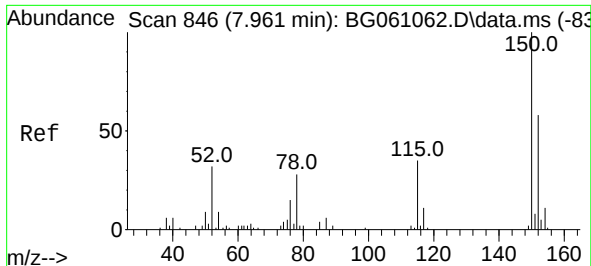
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG051024\  
Data File : BG061165.D  
Acq On : 10 May 2024 16:16  
Operator : MA/JU  
Sample : P2422-05  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
WCS-TP-F

Quant Time: May 10 16:55:46 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

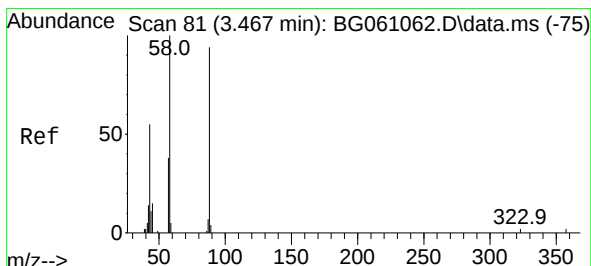
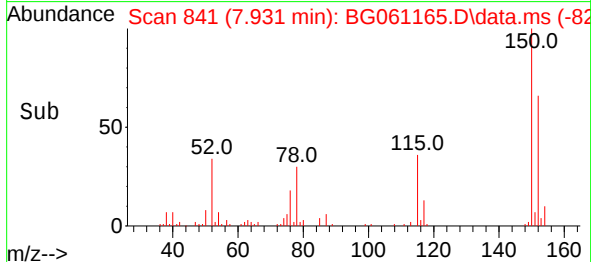
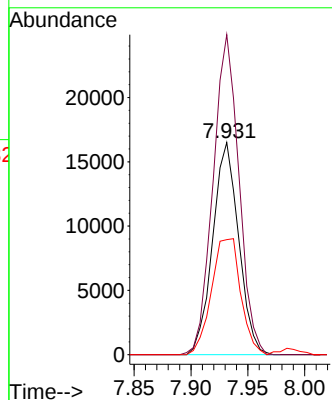
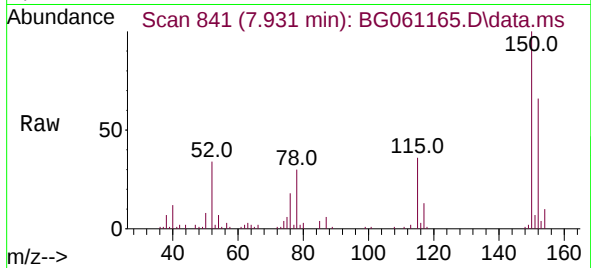




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.931 min Scan# 84  
Delta R.T. -0.030 min  
Lab File: BG061165.D  
Acq: 10 May 2024 16:16

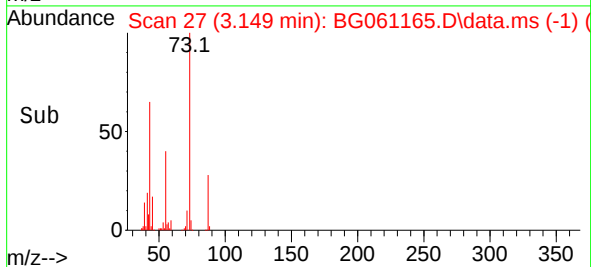
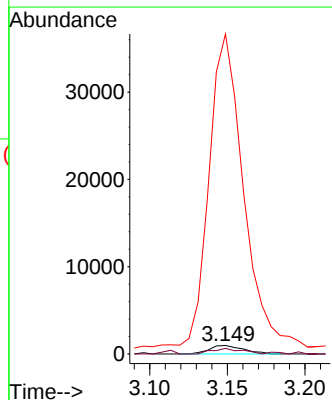
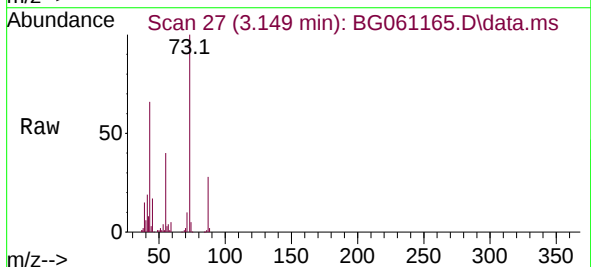
Instrument :  
BNA\_G  
ClientSampleId :  
WCS-TP-F

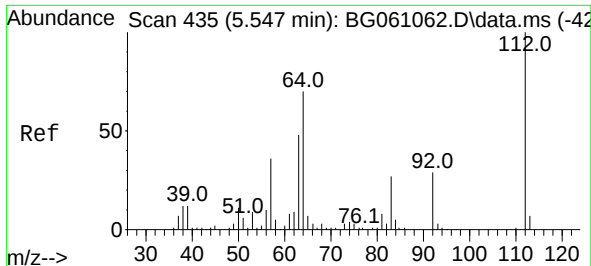
Tgt Ion:152 Resp: 26163  
Ion Ratio Lower Upper  
152 100  
150 150.9 138.3 207.5  
115 54.3 48.0 72.0



#2  
1,4-Dioxane  
Concen: 2.849 ng  
RT: 3.149 min Scan# 27  
Delta R.T. -0.318 min  
Lab File: BG061165.D  
Acq: 10 May 2024 16:16

Tgt Ion: 88 Resp: 1482  
Ion Ratio Lower Upper  
88 100  
58 58.8 81.2 121.8#  
43 3869.0 45.0 67.4#

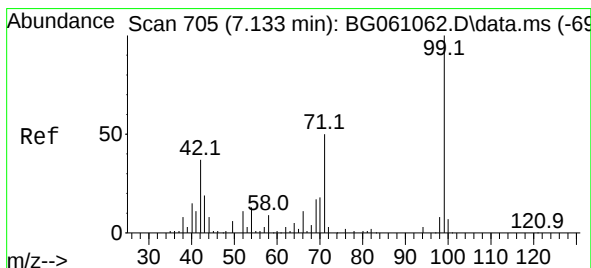
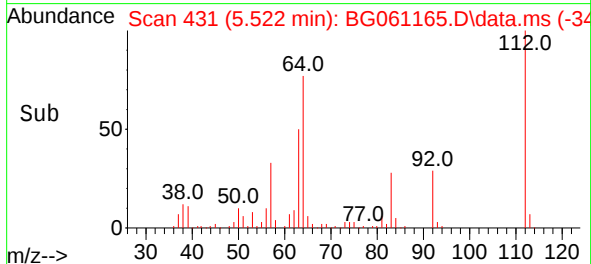
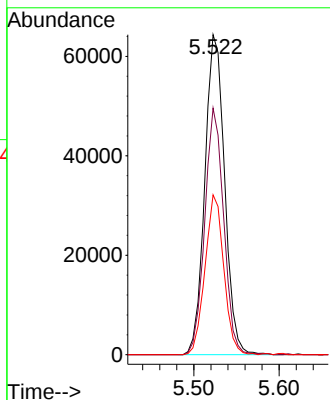
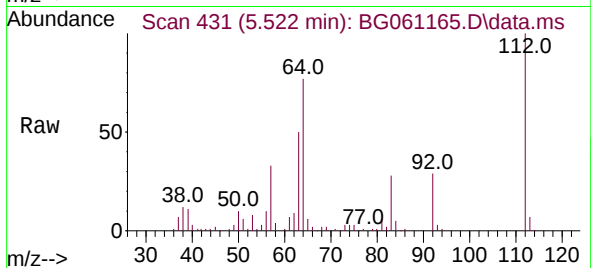




#5  
2-Fluorophenol  
Concen: 80.664 ng  
RT: 5.522 min Scan# 41  
Delta R.T. -0.024 min  
Lab File: BG061165.D  
Acq: 10 May 2024 16:16

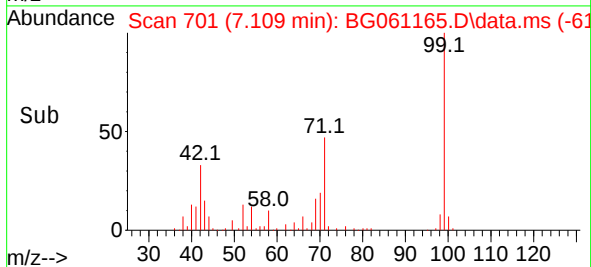
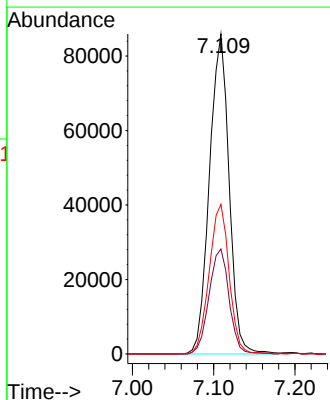
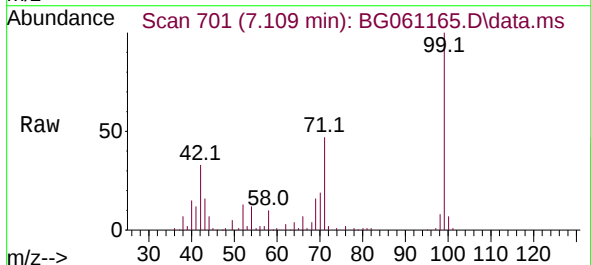
Instrument :  
BNA\_G  
ClientSampleId :  
WCS-TP-F

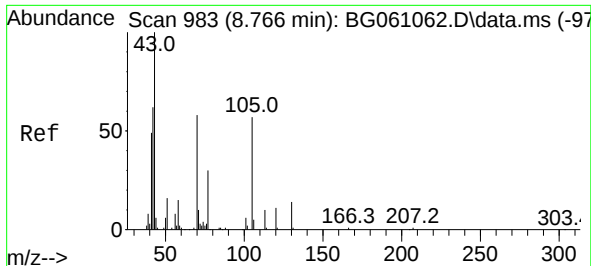
Tgt Ion:112 Resp: 103770  
Ion Ratio Lower Upper  
112 100  
64 77.0 55.7 83.5  
63 49.9 38.1 57.1



#7  
Phenol-d6  
Concen: 75.689 ng  
RT: 7.109 min Scan# 701  
Delta R.T. -0.024 min  
Lab File: BG061165.D  
Acq: 10 May 2024 16:16

Tgt Ion: 99 Resp: 144042  
Ion Ratio Lower Upper  
99 100  
42 32.8 29.2 43.8  
71 46.8 39.7 59.5





#19

n-Nitroso-di-n-propylamine

Concen: 11.505 ng

RT: 9.089 min Scan# 1

Delta R.T. 0.323 min

Lab File: BG061165.D

Acq: 10 May 2024 16:16

Instrument :

BNA\_G

ClientSampleId :

WCS-TP-F

Tgt Ion: 70 Resp: 16386

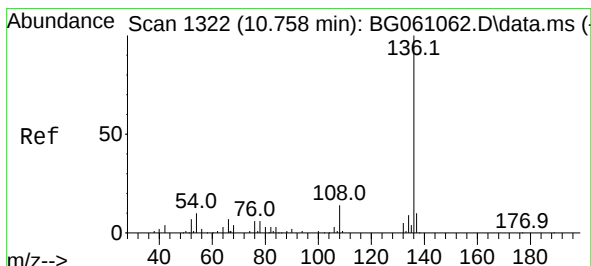
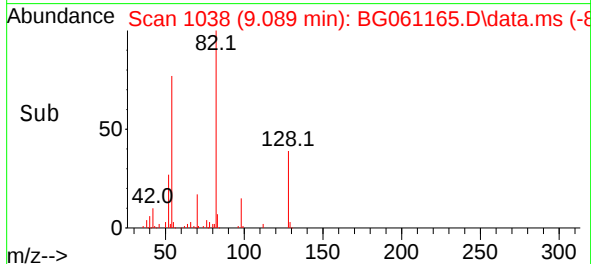
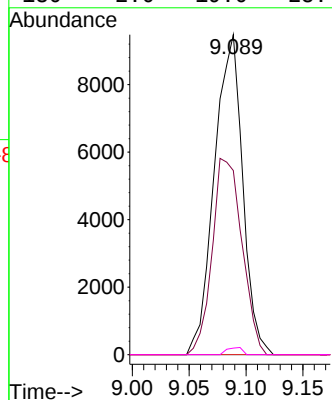
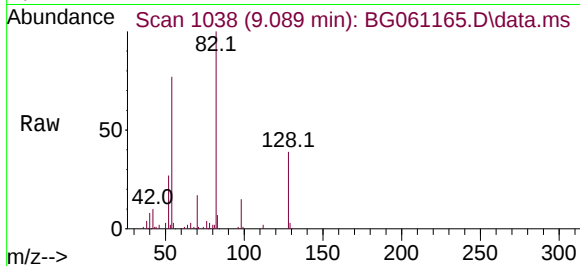
Ion Ratio Lower Upper

70 100

42 57.6 86.4 129.6#

101 0.0 7.8 11.8#

130 2.0 19.0 28.4#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.722 min Scan# 1316

Delta R.T. -0.036 min

Lab File: BG061165.D

Acq: 10 May 2024 16:16

Tgt Ion:136 Resp: 103783

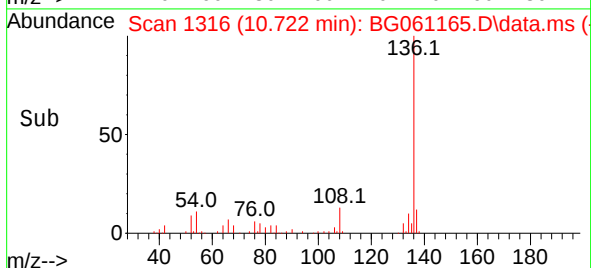
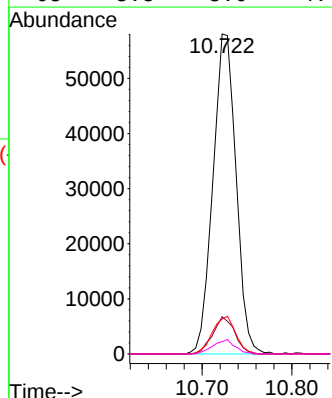
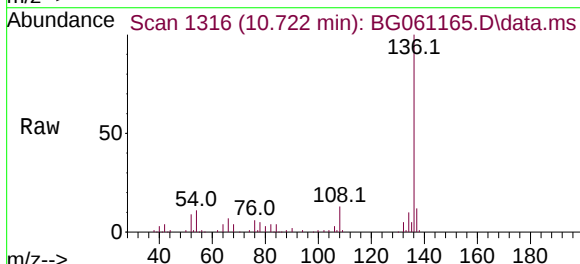
Ion Ratio Lower Upper

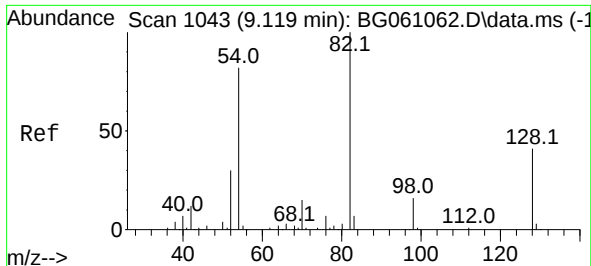
136 100

137 11.6 7.8 11.6

54 10.9 8.1 12.1

68 3.8 3.0 4.4





#23

Nitrobenzene-d5

Concen: 50.191 ng

RT: 9.083 min Scan# 1

Delta R.T. -0.036 min

Lab File: BG061165.D

Acq: 10 May 2024 16:16

Instrument :

BNA\_G

ClientSampleId :

WCS-TP-F

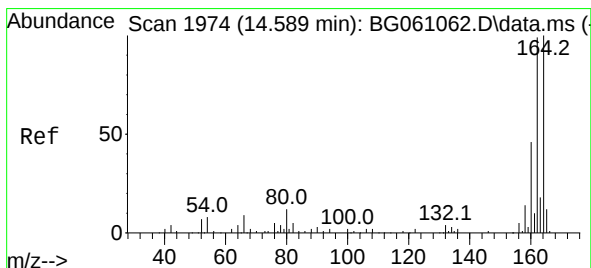
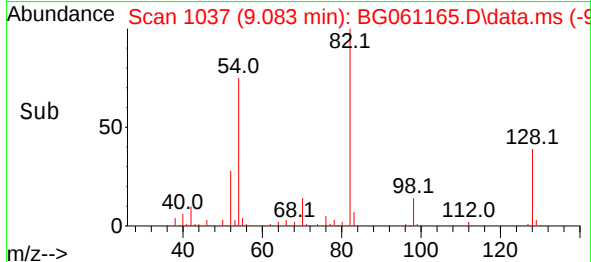
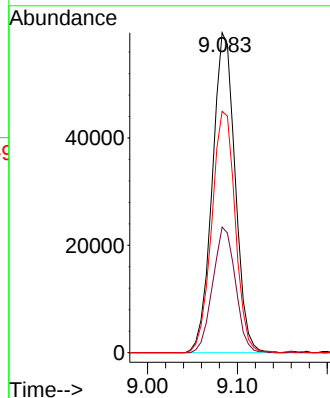
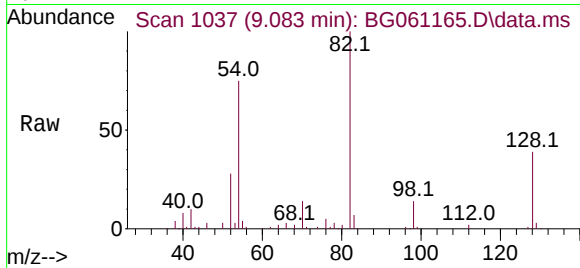
Tgt Ion: 82 Resp: 105079

Ion Ratio Lower Upper

82 100

128 39.2 32.7 49.1

54 75.4 65.6 98.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.559 min Scan# 1969

Delta R.T. -0.030 min

Lab File: BG061165.D

Acq: 10 May 2024 16:16

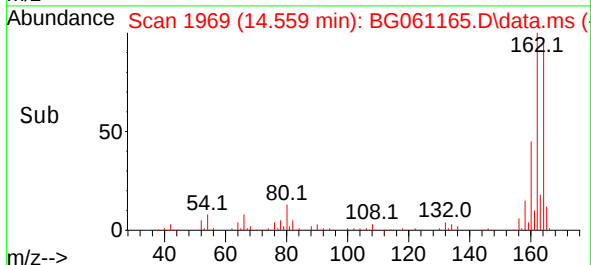
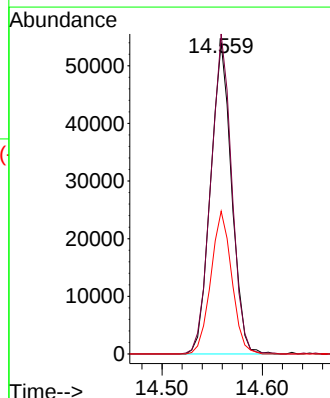
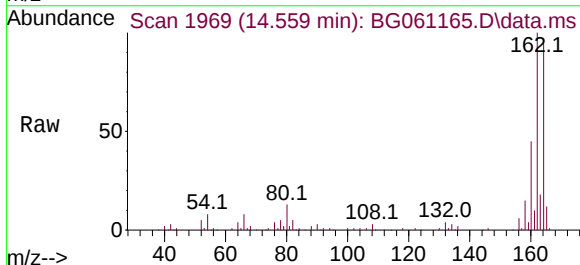
Tgt Ion:164 Resp: 78412

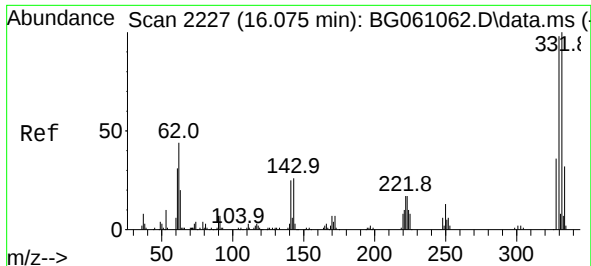
Ion Ratio Lower Upper

164 100

162 102.8 79.4 119.2

160 45.8 37.0 55.6

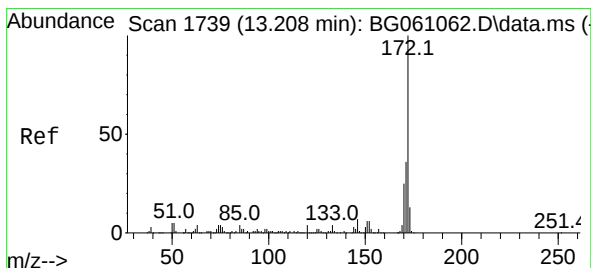
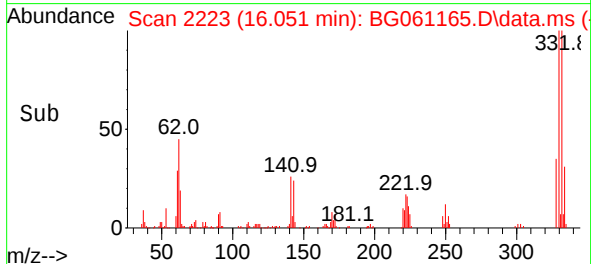
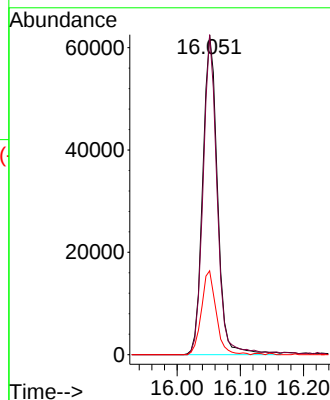
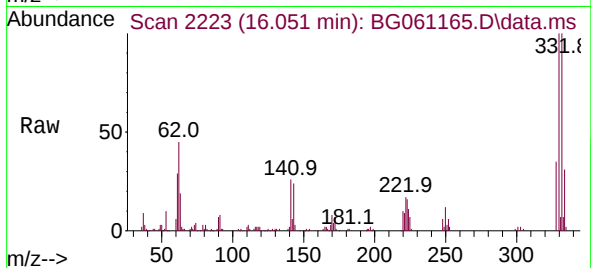




#42  
2,4,6-Tribromophenol  
Concen: 64.751 ng  
RT: 16.051 min Scan# 21  
Delta R.T. -0.024 min  
Lab File: BG061165.D  
Acq: 10 May 2024 16:16

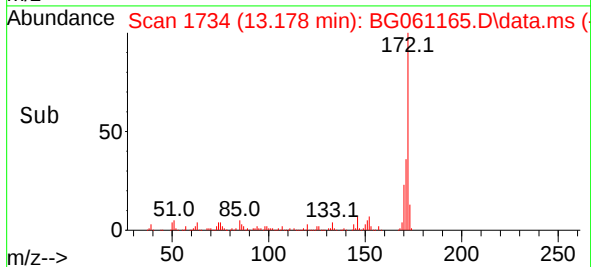
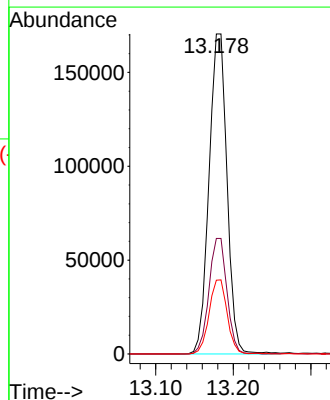
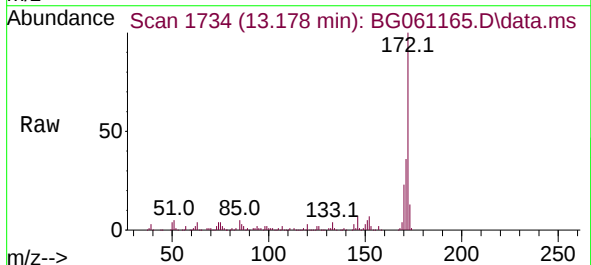
Instrument :  
BNA\_G  
ClientSampleId :  
WCS-TP-F

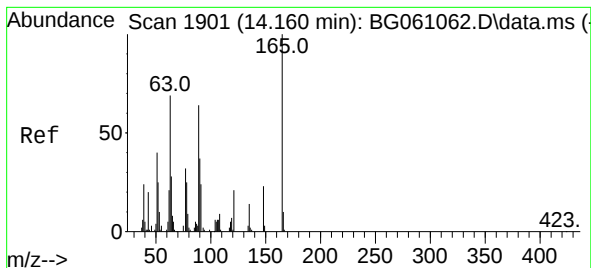
Tgt Ion:330 Resp: 101486  
Ion Ratio Lower Upper  
330 100  
332 96.2 78.6 117.8  
141 26.0 20.5 30.7



#45  
2-Fluorobiphenyl  
Concen: 51.809 ng  
RT: 13.178 min Scan# 1734  
Delta R.T. -0.030 min  
Lab File: BG061165.D  
Acq: 10 May 2024 16:16

Tgt Ion:172 Resp: 274729  
Ion Ratio Lower Upper  
172 100  
171 36.1 29.0 43.6  
170 23.1 20.2 30.4





#51

2,6-Dinitrotoluene

Concen: 7.645 ng

RT: 14.559 min Scan# 1969

Delta R.T. 0.399 min

Lab File: BG061165.D

Acq: 10 May 2024 16:16

Instrument :

BNA\_G

ClientSampleId :

WCS-TP-F

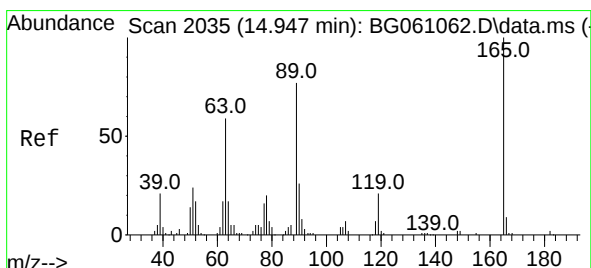
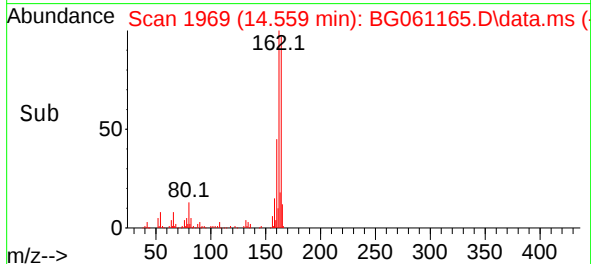
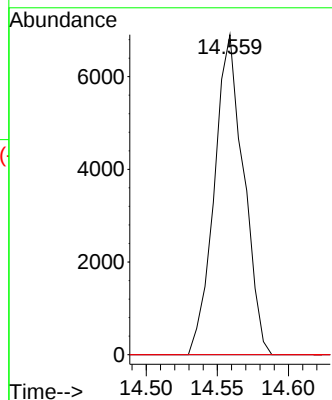
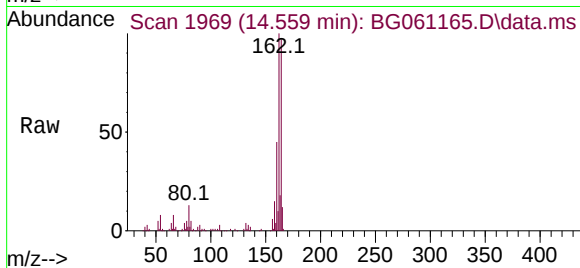
Tgt Ion:165 Resp: 9904

Ion Ratio Lower Upper

165 100

63 0.0 60.0 90.0#

89 0.0 50.9 76.3#



#57

2,4-Dinitrotoluene

Concen: 5.167 ng

RT: 14.559 min Scan# 1969

Delta R.T. -0.388 min

Lab File: BG061165.D

Acq: 10 May 2024 16:16

Tgt Ion:165 Resp: 9904

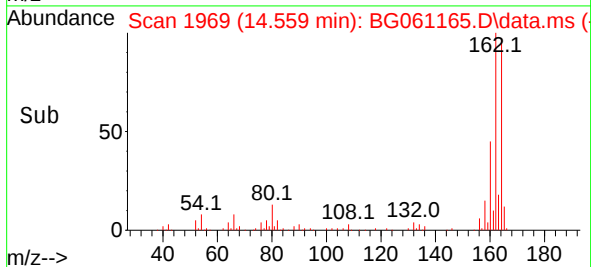
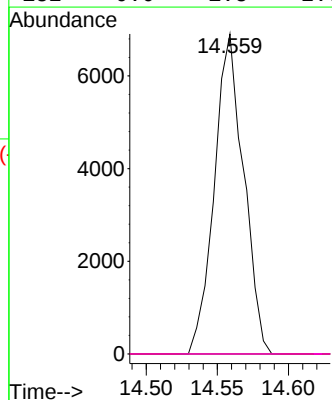
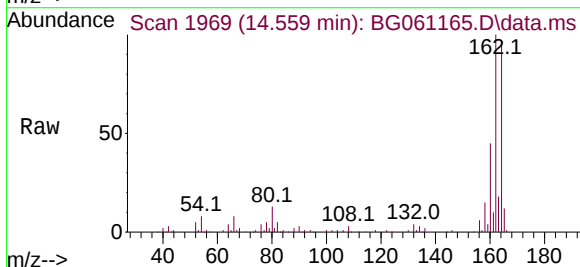
Ion Ratio Lower Upper

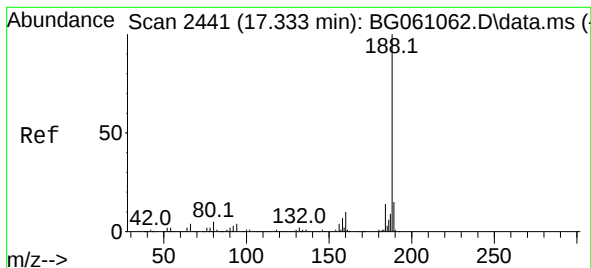
165 100

63 0.0 47.3 70.9#

89 0.0 61.8 92.8#

182 0.0 1.8 2.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.309 min Scan# 2441

Delta R.T. -0.024 min

Lab File: BG061165.D

Acq: 10 May 2024 16:16

Instrument :

BNA\_G

ClientSampleId :

WCS-TP-F

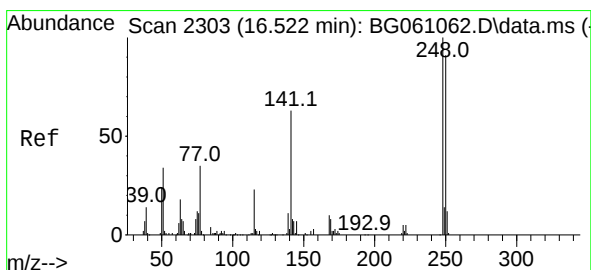
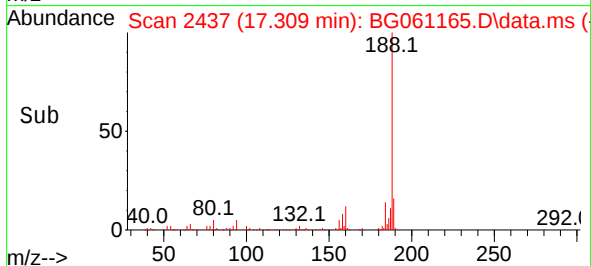
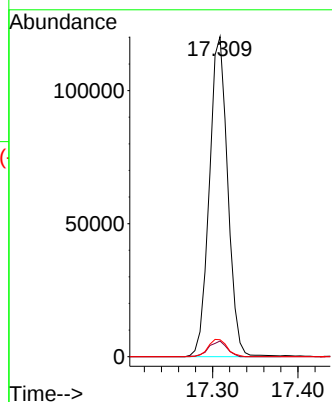
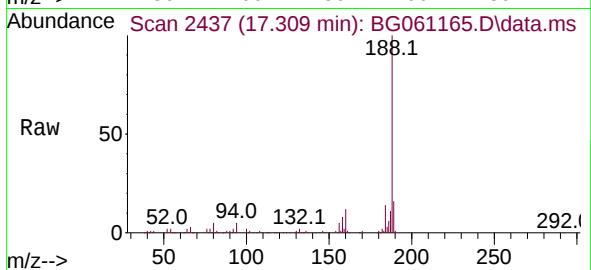
Tgt Ion:188 Resp: 179794

Ion Ratio Lower Upper

188 100

94 4.9 3.6 5.4

80 5.3 4.2 6.2



#67

4-Bromophenyl-phenylether

Concen: 2.862 ng

RT: 16.051 min Scan# 2223

Delta R.T. -0.471 min

Lab File: BG061165.D

Acq: 10 May 2024 16:16

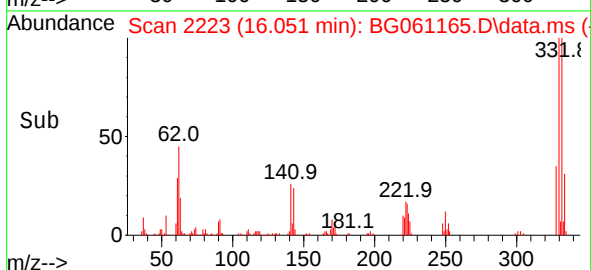
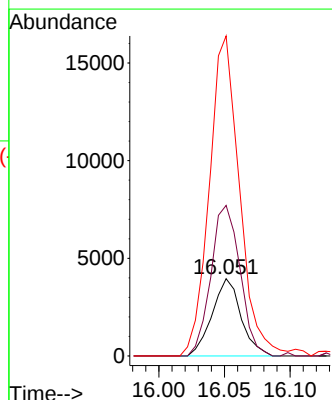
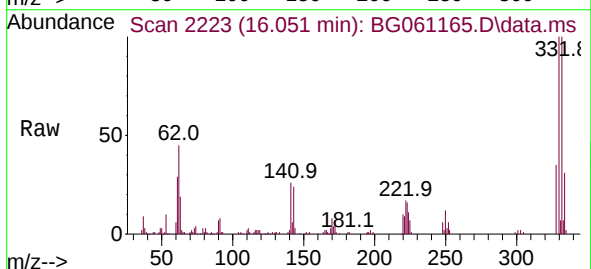
Tgt Ion:248 Resp: 6062

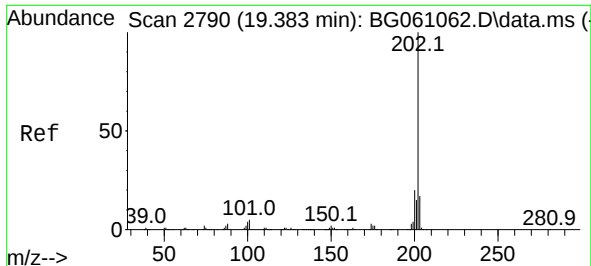
Ion Ratio Lower Upper

248 100

250 194.9 73.0 109.4#

141 414.1 50.8 76.2#

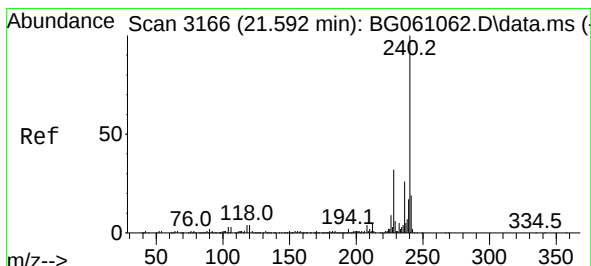
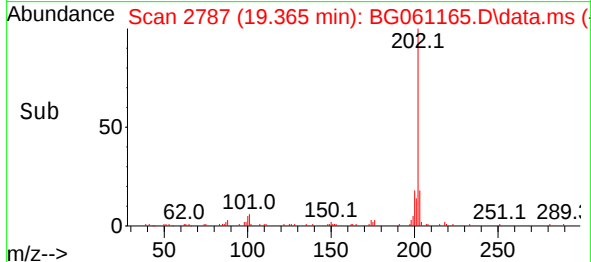
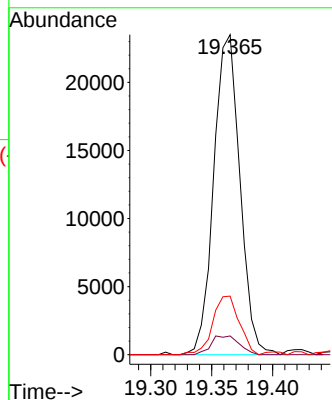
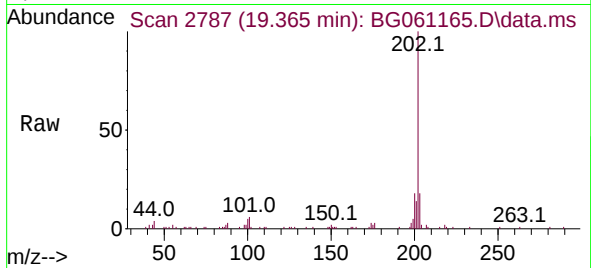




#75  
Fluoranthene  
Concen: 3.115 ng  
RT: 19.365 min Scan# 21  
Delta R.T. -0.018 min  
Lab File: BG061165.D  
Acq: 10 May 2024 16:16

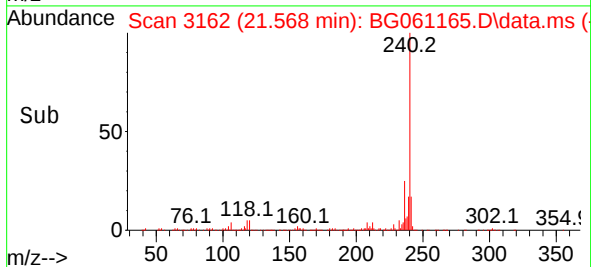
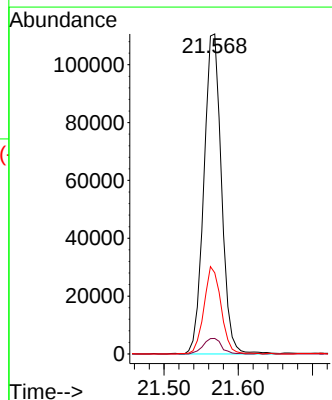
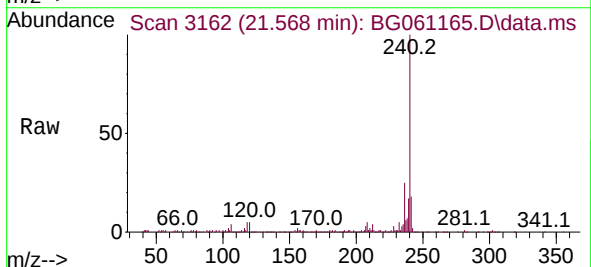
Instrument :  
BNA\_G  
ClientSampleId :  
WCS-TP-F

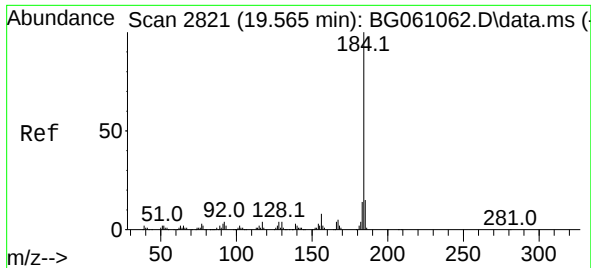
Tgt Ion:202 Resp: 35077  
Ion Ratio Lower Upper  
202 100  
101 5.9 0.0 24.7  
203 18.3 0.0 37.1



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.568 min Scan# 3162  
Delta R.T. -0.024 min  
Lab File: BG061165.D  
Acq: 10 May 2024 16:16

Tgt Ion:240 Resp: 182456  
Ion Ratio Lower Upper  
240 100  
120 4.9 3.2 4.8#  
236 25.4 21.0 31.6

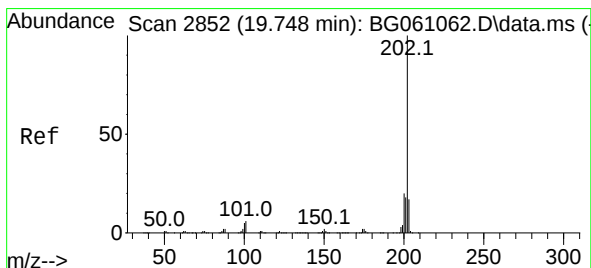
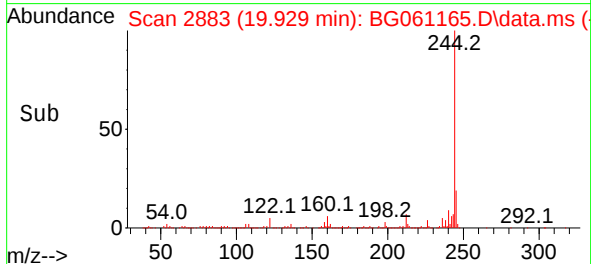
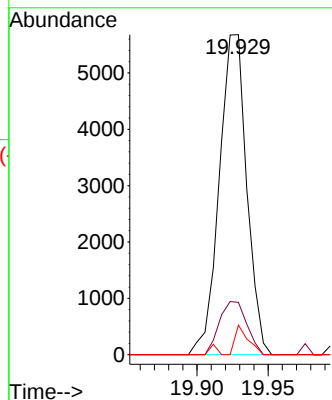
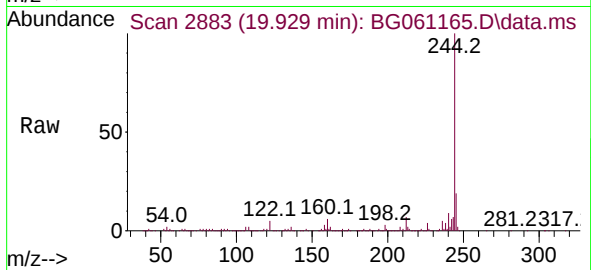




#77  
Benzidine  
Concen: 4.869 ng  
RT: 19.929 min Scan# 21  
Delta R.T. 0.364 min  
Lab File: BG061165.D  
Acq: 10 May 2024 16:16

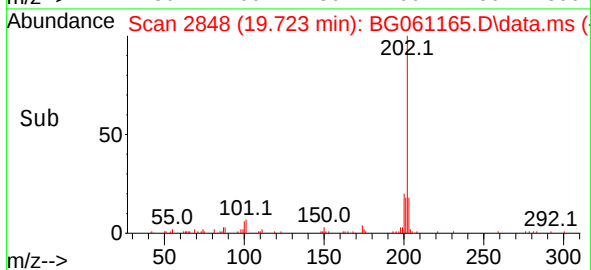
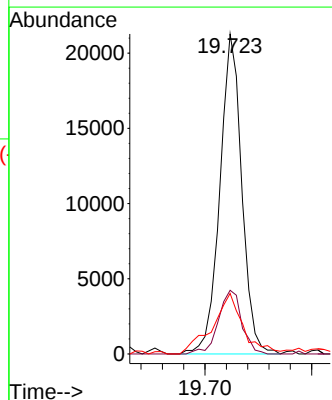
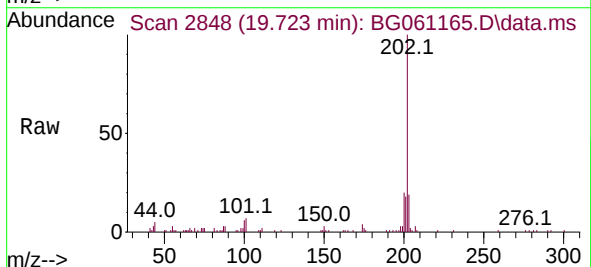
Instrument :  
BNA\_G  
ClientSampleId :  
WCS-TP-F

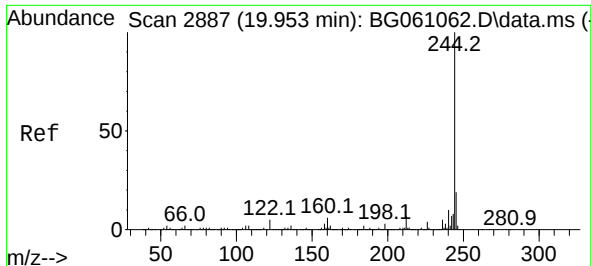
Tgt Ion:184 Resp: 7646  
Ion Ratio Lower Upper  
184 100  
185 16.3 12.0 18.0  
183 9.3 10.9 16.3#



#78  
Pyrene  
Concen: 2.616 ng  
RT: 19.723 min Scan# 2848  
Delta R.T. -0.024 min  
Lab File: BG061165.D  
Acq: 10 May 2024 16:16

Tgt Ion:202 Resp: 30345  
Ion Ratio Lower Upper  
202 100  
200 19.9 16.2 24.4  
203 18.9 13.3 19.9

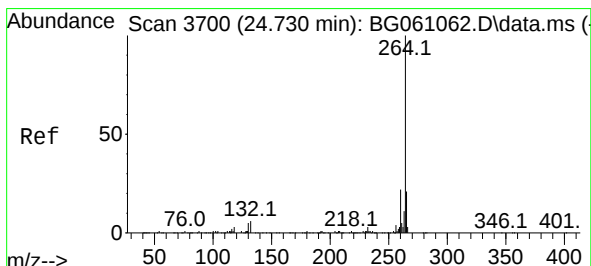
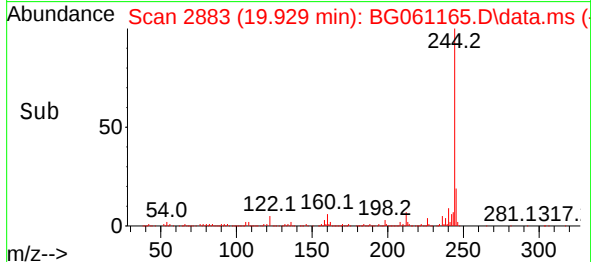
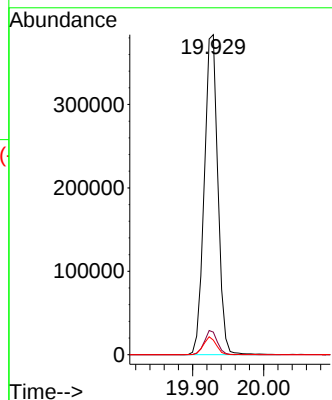
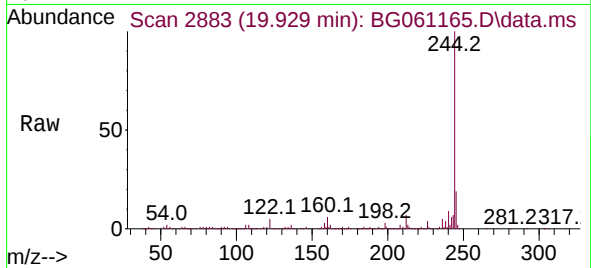




#79  
Terphenyl-d14  
Concen: 46.560 ng  
RT: 19.929 min Scan# 21  
Delta R.T. -0.024 min  
Lab File: BG061165.D  
Acq: 10 May 2024 16:16

Instrument :  
BNA\_G  
ClientSampleId :  
WCS-TP-F

Tgt Ion:244 Resp: 510786  
Ion Ratio Lower Upper  
244 100  
212 7.0 5.7 8.5  
122 4.6 4.2 6.2



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 24.688 min Scan# 3693  
Delta R.T. -0.042 min  
Lab File: BG061165.D  
Acq: 10 May 2024 16:16

Tgt Ion:264 Resp: 215995  
Ion Ratio Lower Upper  
264 100  
260 24.7 17.7 26.5  
265 21.0 16.4 24.6

