

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG101625\  
 Data File : BG064521.D  
 Acq On : 16 Oct 2025 18:20  
 Operator : RC/JU  
 Sample : Q3348-05  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 WCS-TP2

Quant Time: Oct 16 21:58:18 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG100225.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 02 16:40:42 2025  
 Response via : Initial Calibration

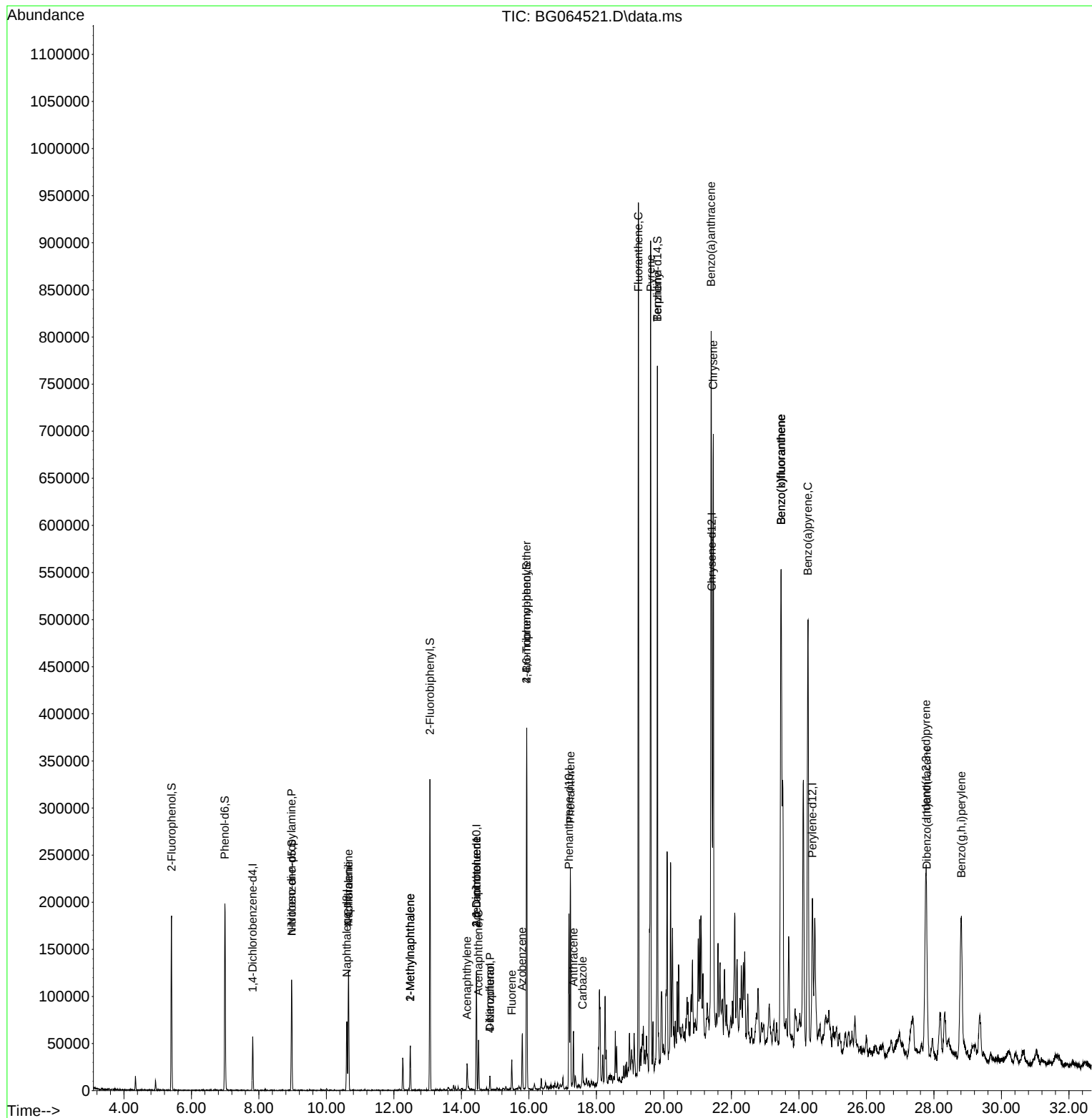
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.814  | 152  | 14075    | 20.000 | ng    | # 0.00   |
| 21) Naphthalene-d8            | 10.605 | 136  | 57535    | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.448 | 164  | 44053    | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.186 | 188  | 109460   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 21.416 | 240  | 123896   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 24.395 | 264  | 146947   | 20.000 | ng    | # 0.00   |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.411  | 112  | 68988    | 90.710 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.992  | 99   | 93483    | 91.468 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.972  | 82   | 62847    | 58.734 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.934 | 330  | 74732    | 93.588 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.067 | 172  | 157457   | 52.685 | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.806 | 244  | 312144   | 47.680 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 8.966  | 70   | 9330     | 13.650 | ng    | # 68     |
| 31) Naphthalene               | 10.652 | 128  | 98061    | 33.098 | ng    | 97       |
| 33) 4-Chloroaniline           | 10.652 | 127  | 13485    | 11.861 | ng    | # 29     |
| 37) 2-Methylnaphthalene       | 12.485 | 142  | 20143    | 8.857  | ng    | 91       |
| 38) 1-Methylnaphthalene       | 12.485 | 142  | 20143    | 8.882  | ng    | # 94     |
| 49) Acenaphthylene            | 14.166 | 152  | 27310    | 7.777  | ng    | 98       |
| 51) 2,6-Dinitrotoluene        | 14.448 | 165  | 5923     | 8.241  | ng    | # 12     |
| 52) Acenaphthene              | 14.506 | 154  | 18605    | 7.626  | ng    | 95       |
| 55) Dibenzofuran              | 14.841 | 168  | 8991     | 2.232  | ng    | # 96     |
| 56) 4-Nitrophenol             | 14.847 | 139  | 3987     | 7.640  | ng    | # 1      |
| 57) 2,4-Dinitrotoluene        | 14.448 | 165  | 5923     | 5.391  | ng    | # 21     |
| 58) Fluorene                  | 15.493 | 166  | 14573    | 4.351  | ng    | 100      |
| 63) Azobenzene                | 15.799 | 77   | 16510    | 5.760  | ng    | # 18     |
| 67) 4-Bromophenyl-phenylether | 15.934 | 248  | 5211     | 4.046  | ng    | # 1      |
| 71) Phenanthrene              | 17.227 | 178  | 140962   | 24.625 | ng    | 99       |
| 72) Anthracene                | 17.321 | 178  | 40878    | 7.118  | ng    | 96       |
| 73) Carbazole                 | 17.591 | 167  | 23034    | 4.640  | ng    | 96       |
| 75) Fluoranthene              | 19.242 | 202  | 556803   | 81.421 | ng    | 97       |
| 77) Benzidine                 | 19.806 | 184  | 6411     | 2.079  | ng    | 98       |
| 78) Pyrene                    | 19.606 | 202  | 559157   | 69.543 | ng    | 98       |
| 81) Benzo(a)anthracene        | 21.398 | 228  | 436605   | 55.191 | ng    | 98       |
| 83) Chrysene                  | 21.463 | 228  | 411695   | 54.876 | ng    | 96       |
| 87) Indeno(1,2,3-cd)pyrene    | 27.767 | 276  | 319889   | 31.275 | ng    | 97       |
| 88) Benzo(b)fluoranthene      | 23.472 | 252  | 644760   | 77.126 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 23.472 | 252  | 644760   | 76.578 | ng    | 99       |
| 90) Benzo(a)pyrene            | 24.265 | 252  | 466021   | 60.485 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 27.785 | 278  | 80349    | 9.823  | ng    | # 96     |
| 92) Benzo(g,h,i)perylene      | 28.807 | 276  | 292975   | 36.857 | ng    | 99       |
| -----                         |        |      |          |        |       |          |

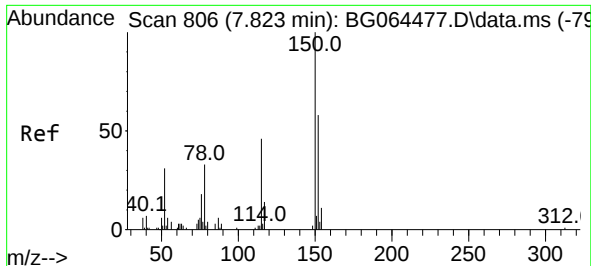
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG101625\  
Data File : BG064521.D  
Acq On : 16 Oct 2025 18:20  
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Sample : Q3348-05  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_G  
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WCS-TP2

Quant Time: Oct 16 21:58:18 2025  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Oct 02 16:40:42 2025  
Response via : Initial Calibration

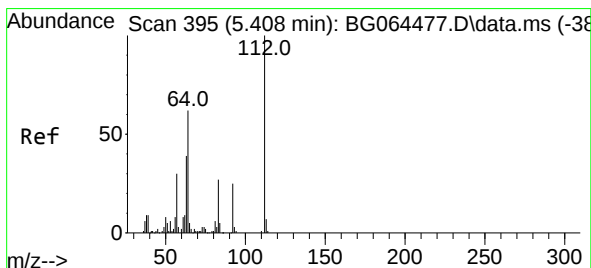
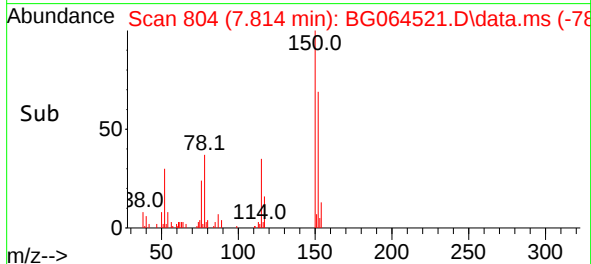
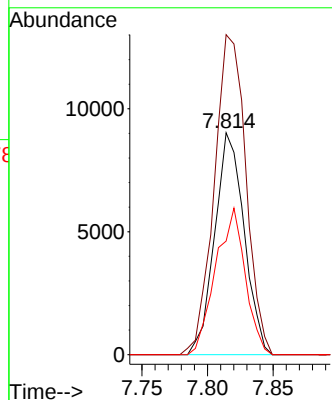
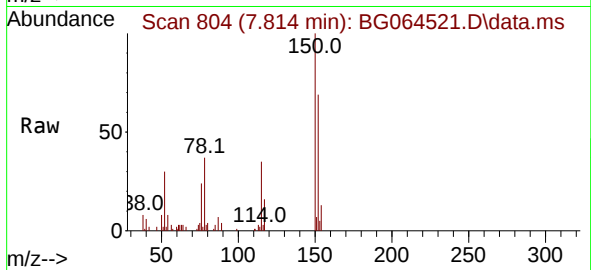




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.814 min Scan# 806  
 Delta R.T. -0.006 min  
 Lab File: BG064521.D  
 Acq: 16 Oct 2025 18:20

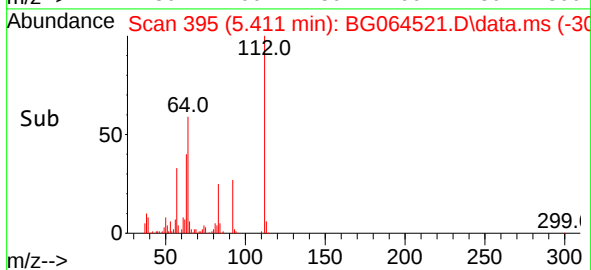
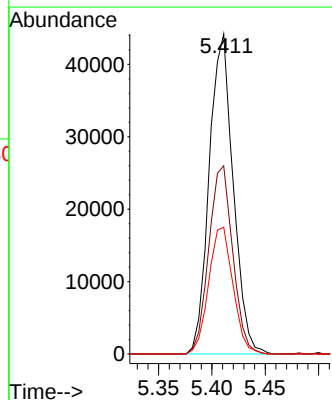
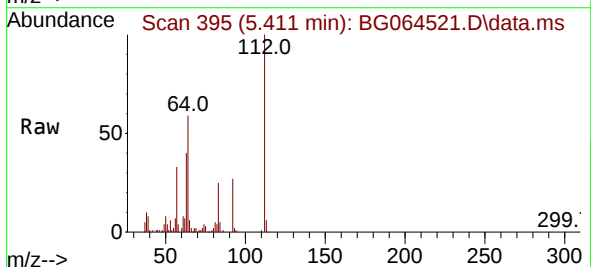
Instrument :  
 BNA\_G  
 ClientSampleId :  
 WCS-TP2

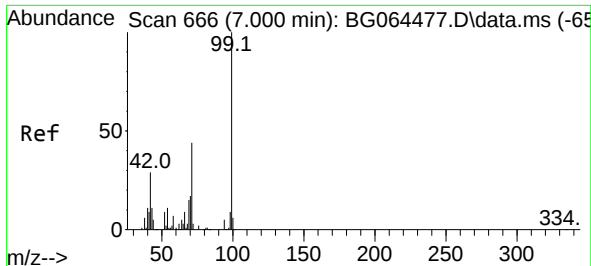
Tgt Ion:152 Resp: 14075  
 Ion Ratio Lower Upper  
 152 100  
 150 144.2 138.6 207.8  
 115 51.2 63.4 95.2#



#5  
 2-Fluorophenol  
 Concen: 90.710 ng  
 RT: 5.411 min Scan# 395  
 Delta R.T. 0.005 min  
 Lab File: BG064521.D  
 Acq: 16 Oct 2025 18:20

Tgt Ion:112 Resp: 68988  
 Ion Ratio Lower Upper  
 112 100  
 64 58.8 49.8 74.8  
 63 39.6 31.3 46.9

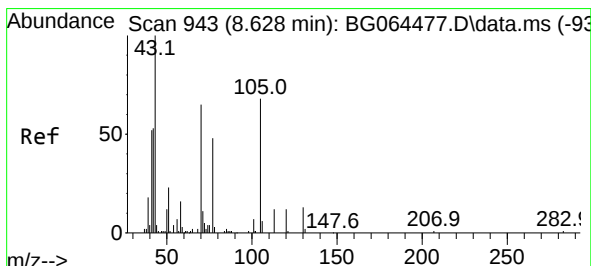
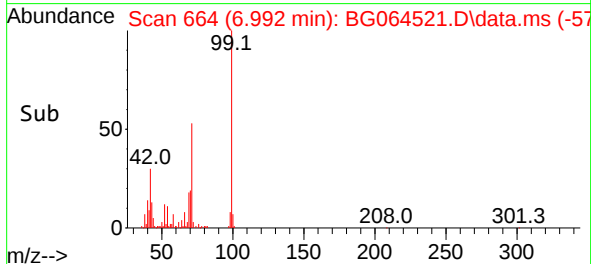
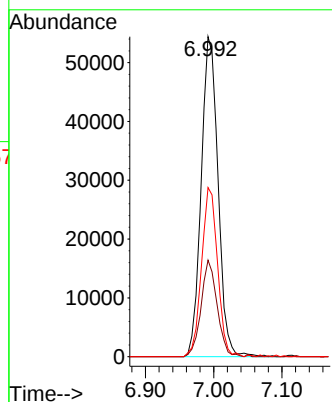
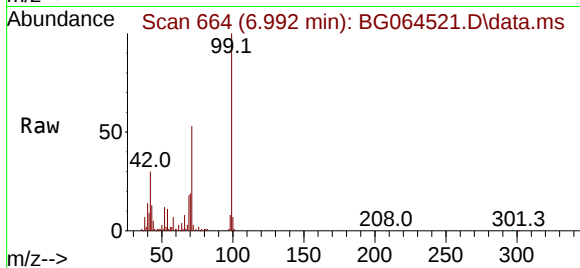




#7  
Phenol-d6  
Concen: 91.468 ng  
RT: 6.992 min Scan# 60  
Delta R.T. 0.005 min  
Lab File: BG064521.D  
Acq: 16 Oct 2025 18:20

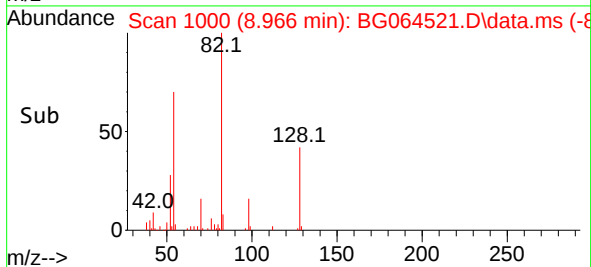
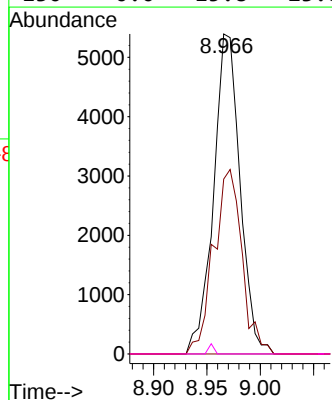
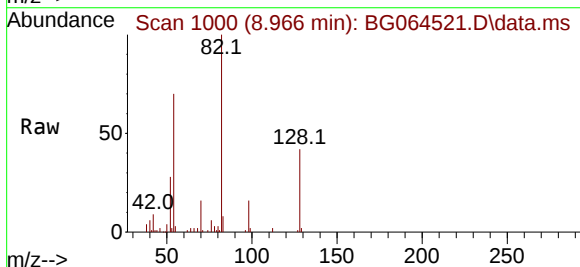
Instrument :  
BNA\_G  
ClientSampleId :  
WCS-TP2

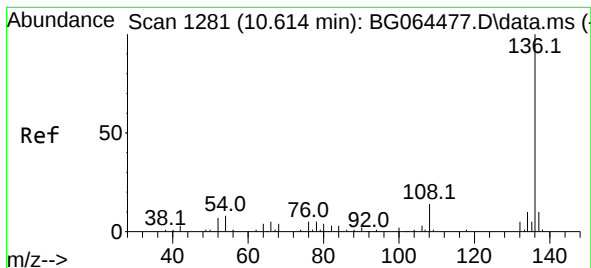
Tgt Ion: 99 Resp: 93483  
Ion Ratio Lower Upper  
99 100  
42 30.2 22.9 34.3  
71 52.9 35.4 53.2



#19  
n-Nitroso-di-n-propylamine  
Concen: 13.650 ng  
RT: 8.966 min Scan# 1000  
Delta R.T. 0.352 min  
Lab File: BG064521.D  
Acq: 16 Oct 2025 18:20

Tgt Ion: 70 Resp: 9330  
Ion Ratio Lower Upper  
70 100  
42 54.7 64.9 97.3#  
101 0.0 8.7 13.1#  
130 0.0 15.8 23.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.605 min Scan# 11

Delta R.T. -0.000 min

Lab File: BG064521.D

Acq: 16 Oct 2025 18:20

Instrument :

BNA\_G

ClientSampleId :

WCS-TP2

Tgt Ion:136 Resp: 57535

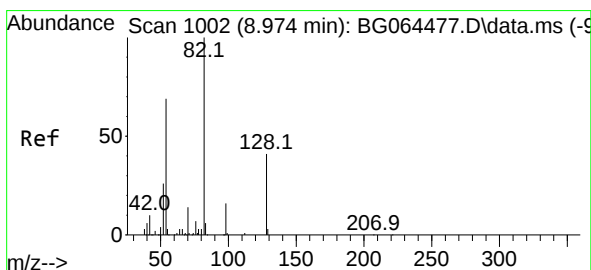
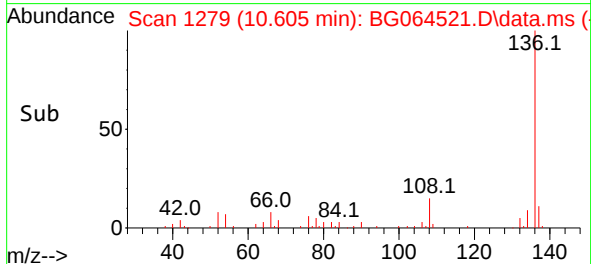
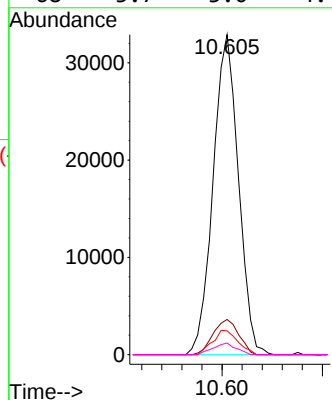
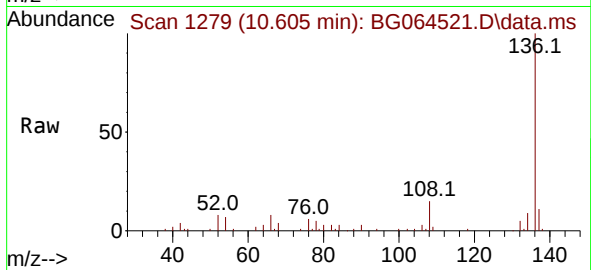
Ion Ratio Lower Upper

136 100

137 11.0 8.3 12.5

54 7.4 6.2 9.4

68 3.7 3.0 4.4



#23

Nitrobenzene-d5

Concen: 58.734 ng

RT: 8.972 min Scan# 1001

Delta R.T. 0.005 min

Lab File: BG064521.D

Acq: 16 Oct 2025 18:20

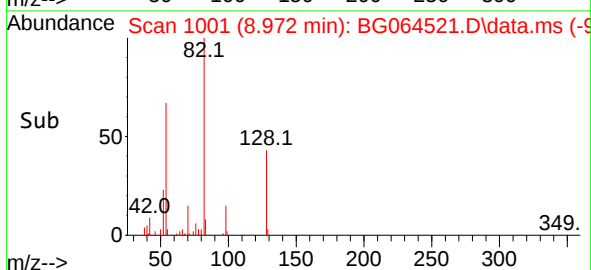
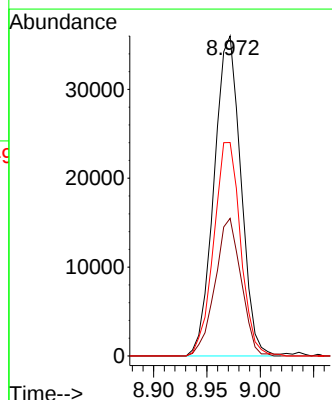
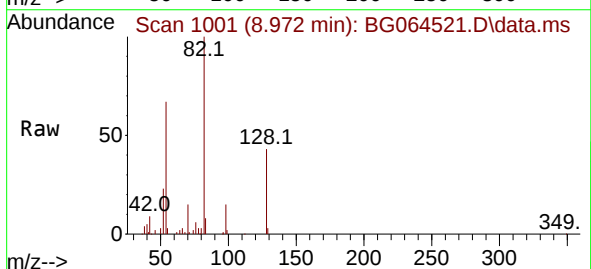
Tgt Ion: 82 Resp: 62847

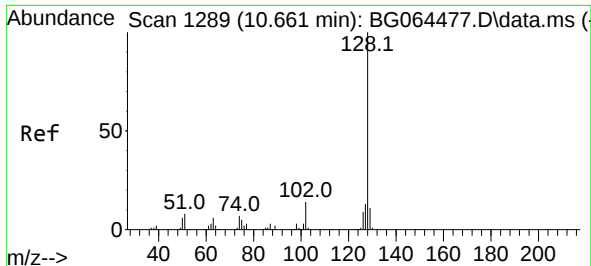
Ion Ratio Lower Upper

82 100

128 43.0 33.1 49.7

54 66.7 55.4 83.2

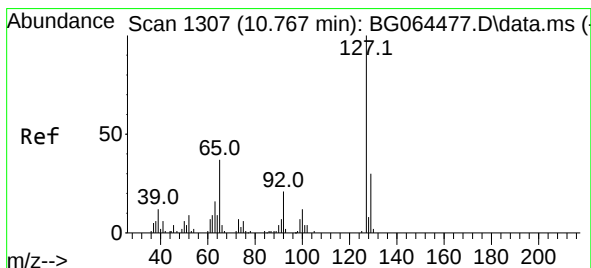
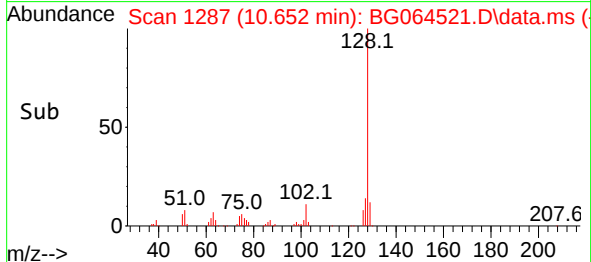
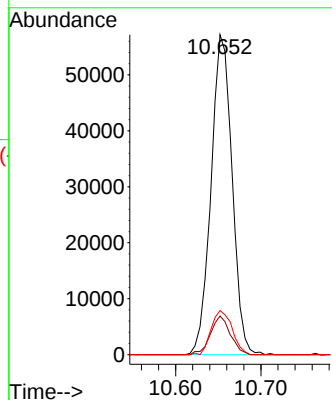
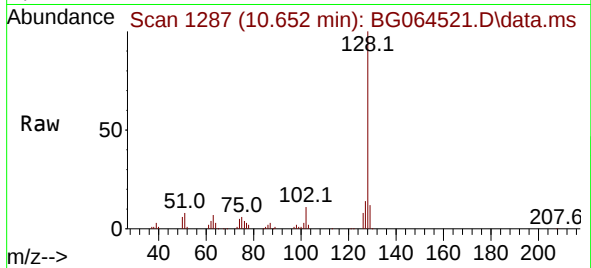




#31  
Naphthalene  
Concen: 33.098 ng  
RT: 10.652 min Scan# 1287  
Delta R.T. -0.000 min  
Lab File: BG064521.D  
Acq: 16 Oct 2025 18:20

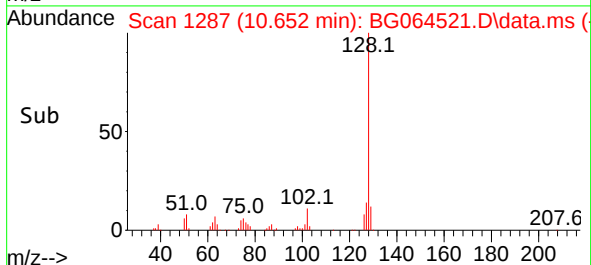
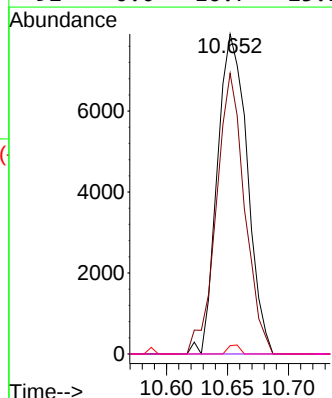
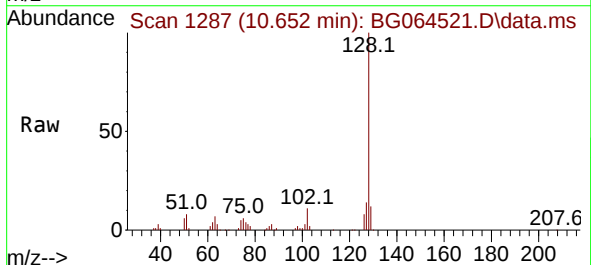
Instrument :  
BNA\_G  
ClientSampleId :  
WCS-TP2

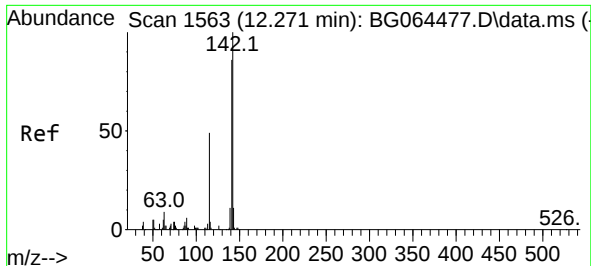
Tgt Ion:128 Resp: 98061  
Ion Ratio Lower Upper  
128 100  
129 12.1 8.7 13.1  
127 13.8 10.2 15.2



#33  
4-Chloroaniline  
Concen: 11.861 ng  
RT: 10.652 min Scan# 1287  
Delta R.T. -0.112 min  
Lab File: BG064521.D  
Acq: 16 Oct 2025 18:20

Tgt Ion:127 Resp: 13485  
Ion Ratio Lower Upper  
127 100  
129 87.7 24.2 36.4#  
65 2.6 29.6 44.4#  
92 0.0 16.7 25.1#

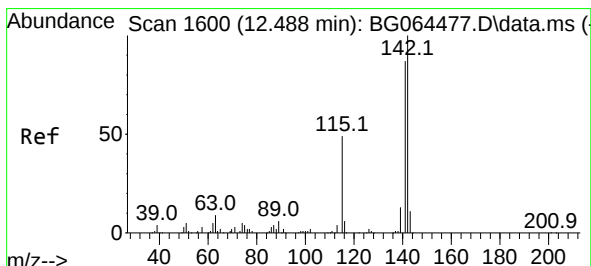
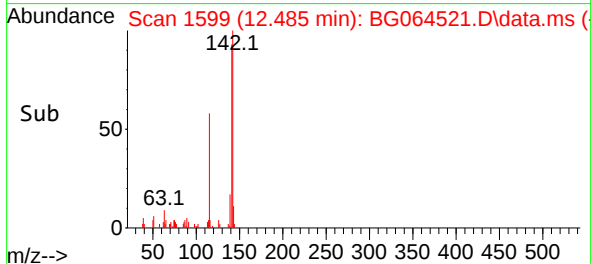
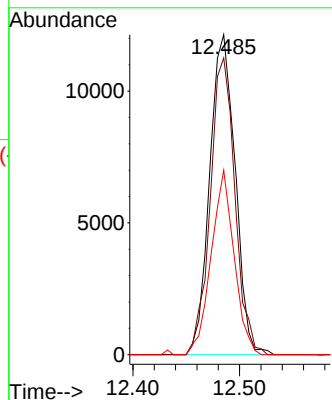
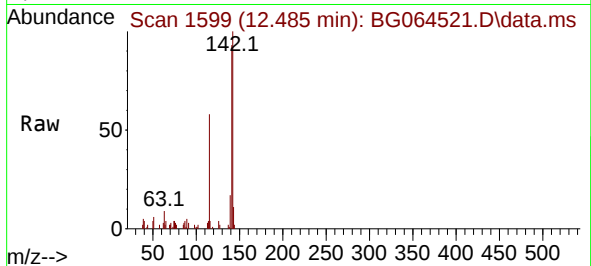




#37  
2-Methylnaphthalene  
Concen: 8.857 ng  
RT: 12.485 min Scan# 1599  
Delta R.T. 0.217 min  
Lab File: BG064521.D  
Acq: 16 Oct 2025 18:20

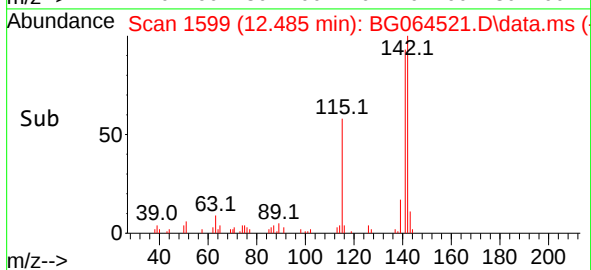
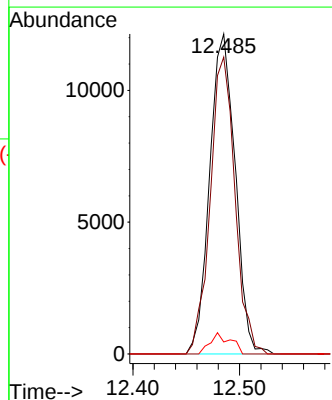
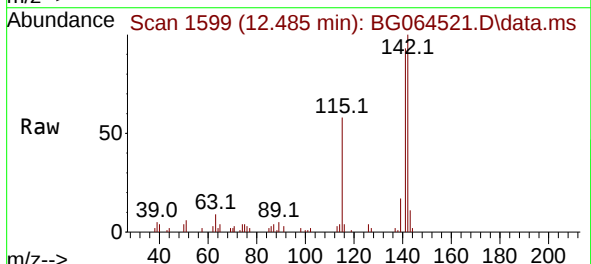
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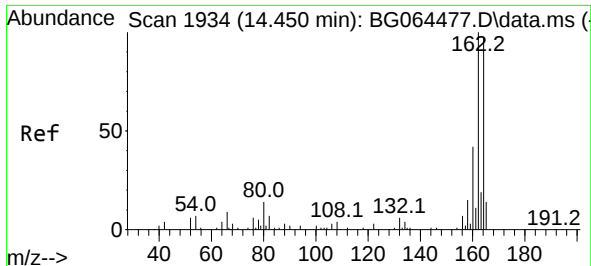
Tgt Ion:142 Resp: 20143  
Ion Ratio Lower Upper  
142 100  
141 92.8 68.7 103.1  
115 57.6 39.3 58.9



#38  
1-Methylnaphthalene  
Concen: 8.882 ng  
RT: 12.485 min Scan# 1599  
Delta R.T. -0.000 min  
Lab File: BG064521.D  
Acq: 16 Oct 2025 18:20

Tgt Ion:142 Resp: 20143  
Ion Ratio Lower Upper  
142 100  
141 92.8 69.8 104.8  
116 3.8 4.6 6.8#

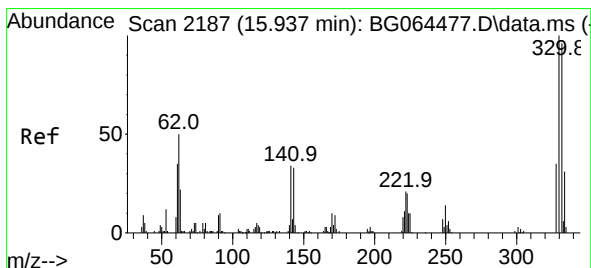
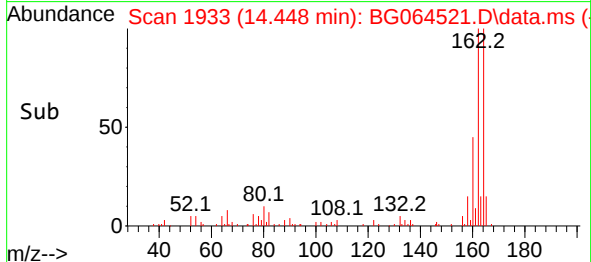
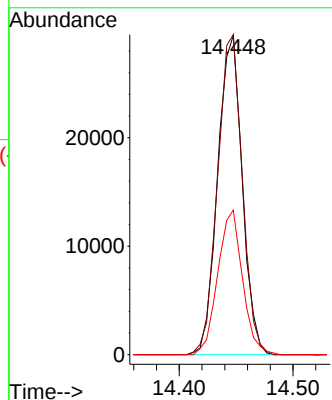
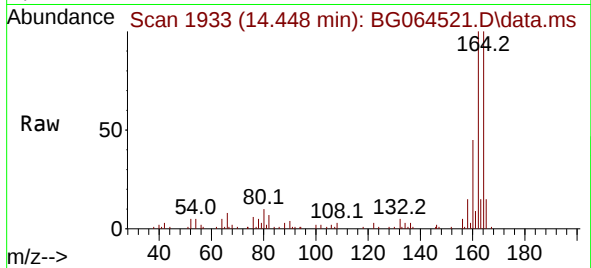




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.448 min Scan# 1933  
Delta R.T. -0.000 min  
Lab File: BG064521.D  
Acq: 16 Oct 2025 18:20

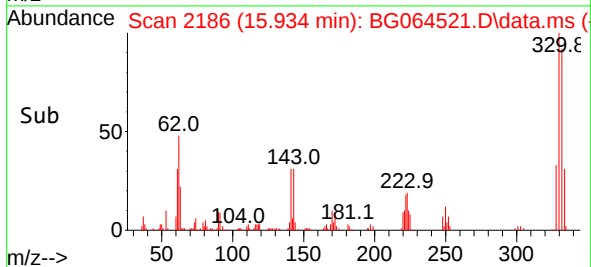
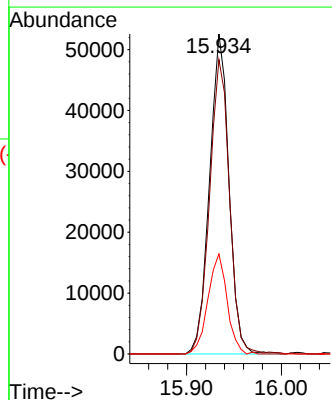
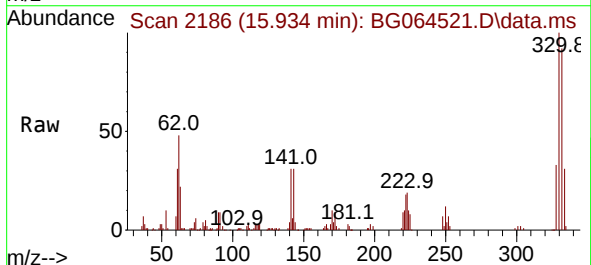
Instrument :  
BNA\_G  
ClientSampleId :  
WCS-TP2

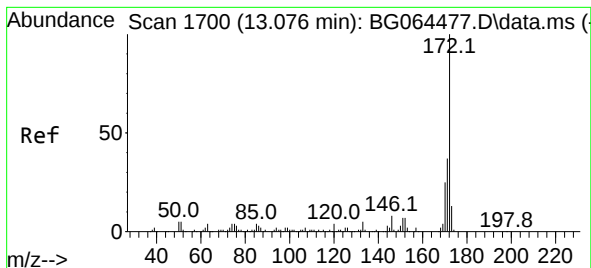
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Ion Ratio Lower Upper  
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162 100.2 82.2 123.2  
160 45.3 34.3 51.5



#42  
2,4,6-Tribromophenol  
Concen: 93.588 ng  
RT: 15.934 min Scan# 2186  
Delta R.T. -0.000 min  
Lab File: BG064521.D  
Acq: 16 Oct 2025 18:20

Tgt Ion:330 Resp: 74732  
Ion Ratio Lower Upper  
330 100  
332 94.2 77.4 116.0  
141 30.8 25.8 38.6





#45

2-Fluorobiphenyl

Concen: 52.685 ng

RT: 13.067 min Scan# 1

Delta R.T. -0.000 min

Lab File: BG064521.D

Acq: 16 Oct 2025 18:20

Instrument :

BNA\_G

ClientSampleId :

WCS-TP2

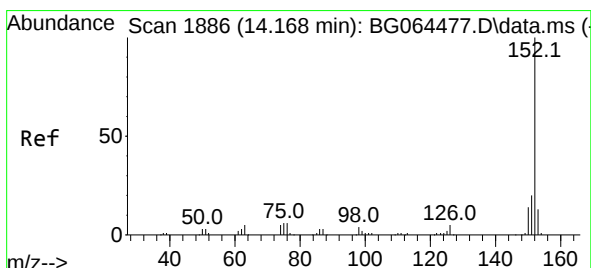
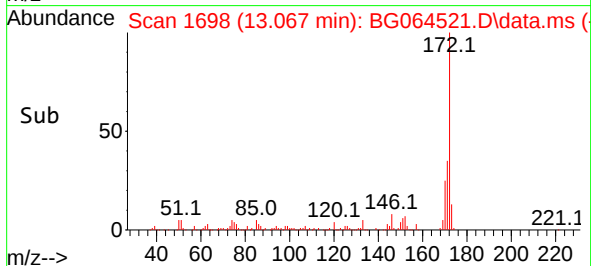
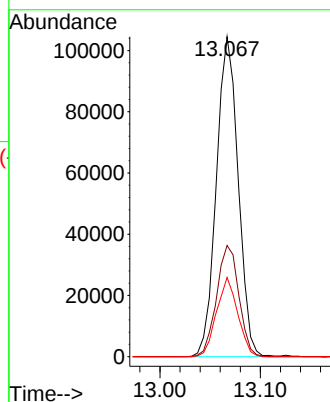
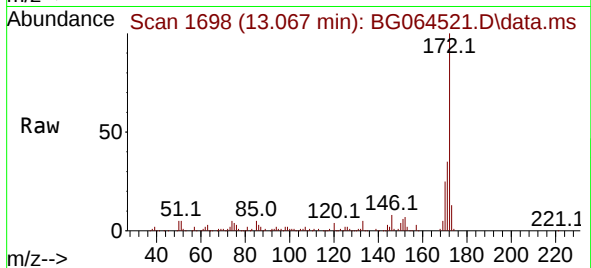
Tgt Ion:172 Resp: 157457

Ion Ratio Lower Upper

172 100

171 34.7 29.6 44.4

170 24.7 20.2 30.2



#49

Acenaphthylene

Concen: 7.777 ng

RT: 14.166 min Scan# 1885

Delta R.T. -0.006 min

Lab File: BG064521.D

Acq: 16 Oct 2025 18:20

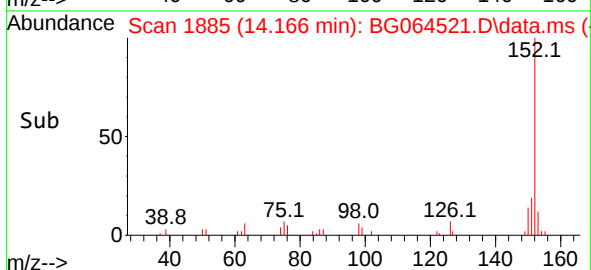
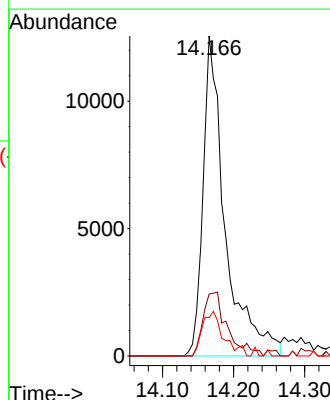
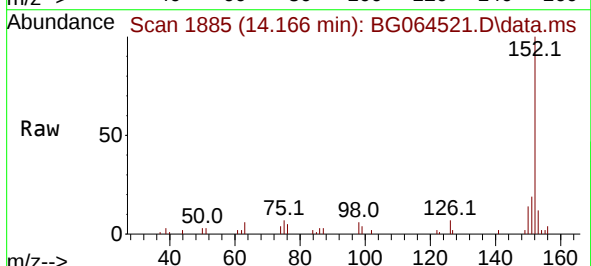
Tgt Ion:152 Resp: 27310

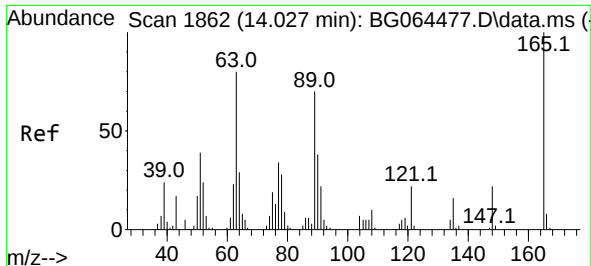
Ion Ratio Lower Upper

152 100

151 19.3 15.8 23.6

153 12.0 10.6 15.8





#51

2,6-Dinitrotoluene

Concen: 8.241 ng

RT: 14.448 min Scan# 1933

Delta R.T. 0.428 min

Lab File: BG064521.D

Acq: 16 Oct 2025 18:20

Instrument :

BNA\_G

ClientSampleId :

WCS-TP2

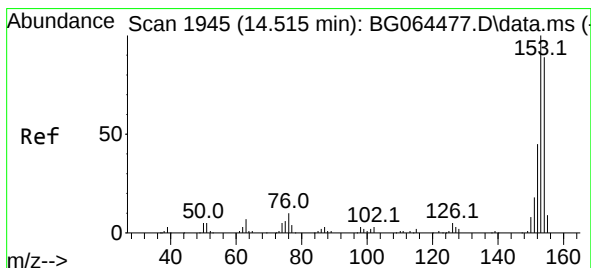
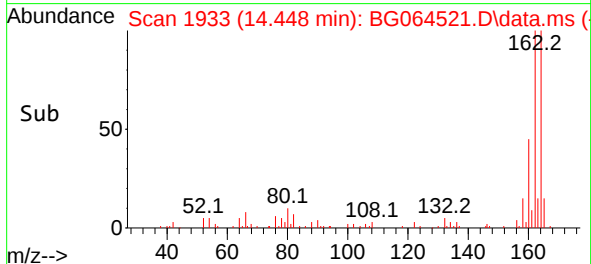
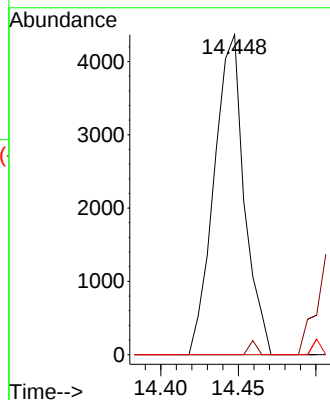
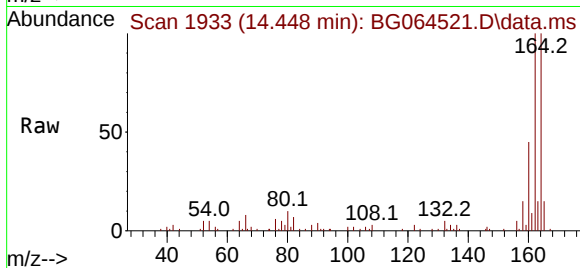
Tgt Ion:165 Resp: 5923

Ion Ratio Lower Upper

165 100

63 0.0 63.9 95.9#

89 0.0 56.1 84.1#



#52

Acenaphthene

Concen: 7.626 ng

RT: 14.506 min Scan# 1943

Delta R.T. -0.006 min

Lab File: BG064521.D

Acq: 16 Oct 2025 18:20

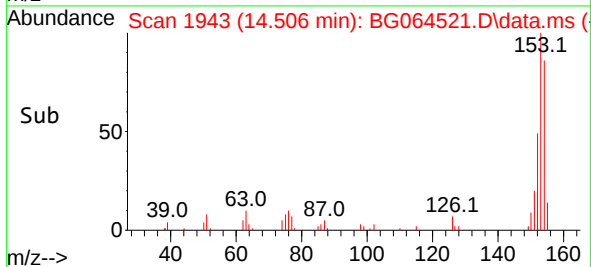
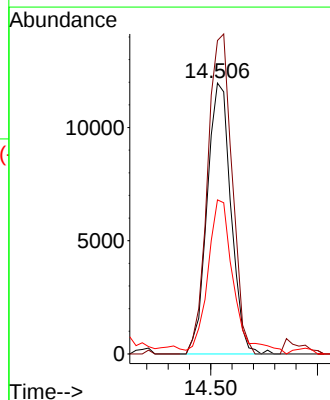
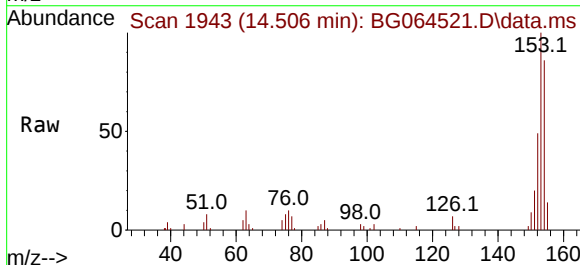
Tgt Ion:154 Resp: 18605

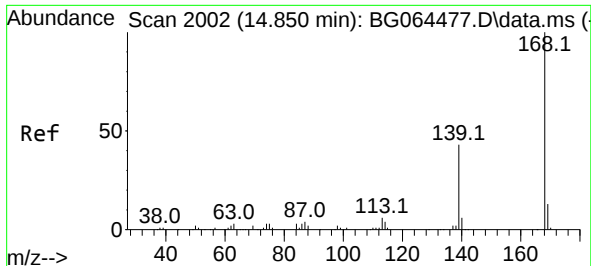
Ion Ratio Lower Upper

154 100

153 115.7 90.2 135.4

152 56.9 40.2 60.4

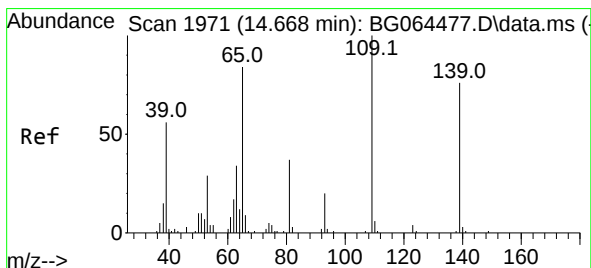
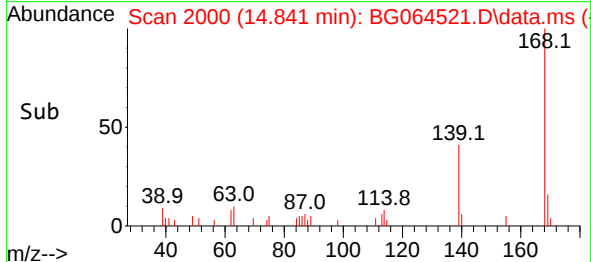
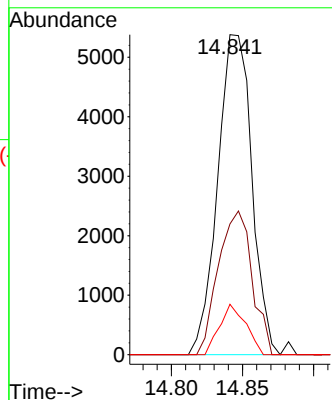
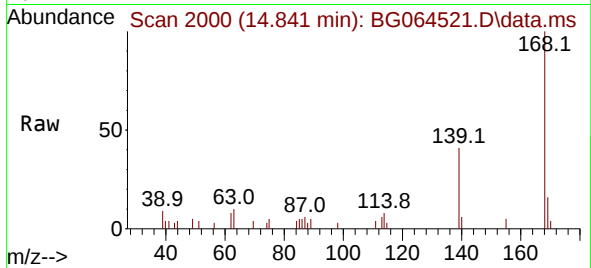




#55  
Dibenzenofuran  
Concen: 2.232 ng  
RT: 14.841 min Scan# 2000  
Delta R.T. -0.006 min  
Lab File: BG064521.D  
Acq: 16 Oct 2025 18:20

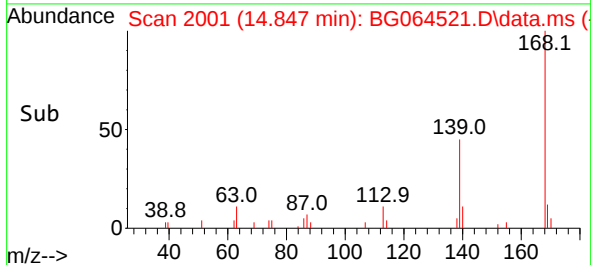
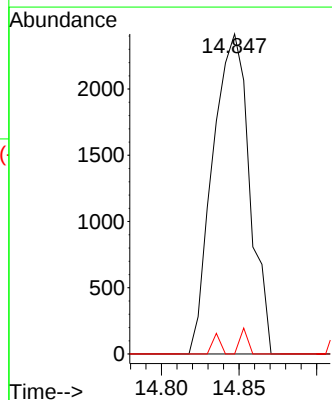
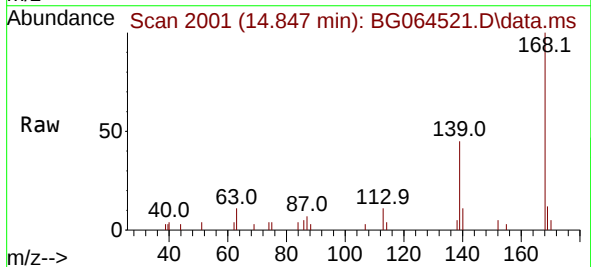
Instrument :  
BNA\_G  
ClientSampleId :  
WCS-TP2

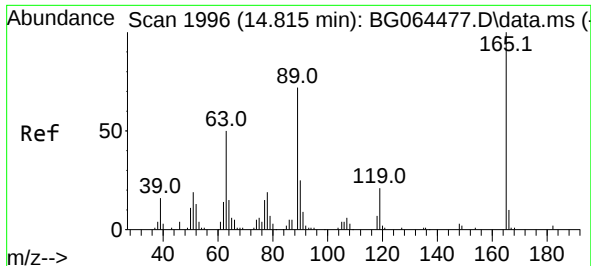
Tgt Ion:168 Resp: 8991  
Ion Ratio Lower Upper  
168 100  
139 40.9 34.0 51.0  
169 15.8 10.2 15.2#



#56  
4-Nitrophenol  
Concen: 7.640 ng  
RT: 14.847 min Scan# 2001  
Delta R.T. 0.182 min  
Lab File: BG064521.D  
Acq: 16 Oct 2025 18:20

Tgt Ion:139 Resp: 3987  
Ion Ratio Lower Upper  
139 100  
109 0.0 111.8 151.8#  
65 0.0 91.1 131.1#

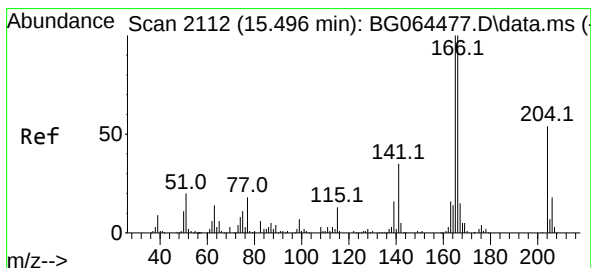
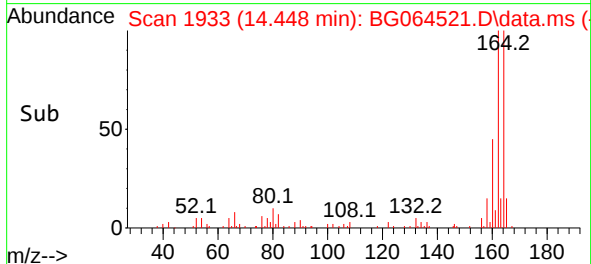
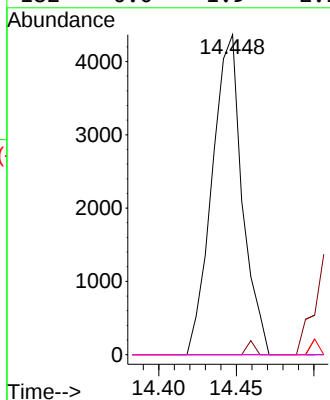
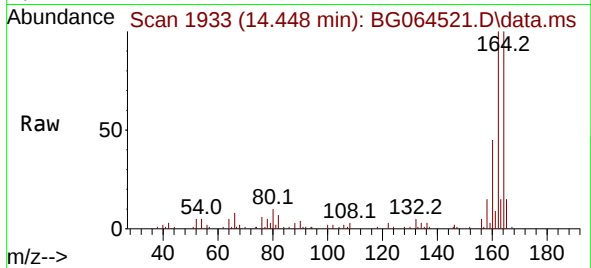




#57  
2,4-Dinitrotoluene  
Concen: 5.391 ng  
RT: 14.448 min Scan# 1996  
Delta R.T. -0.365 min  
Lab File: BG064521.D  
Acq: 16 Oct 2025 18:20

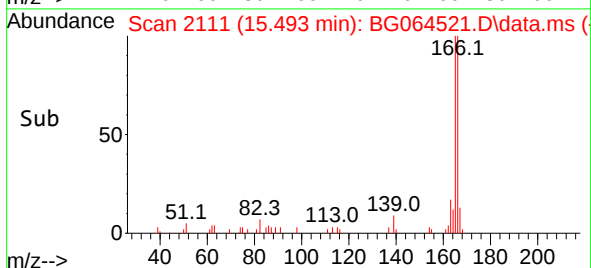
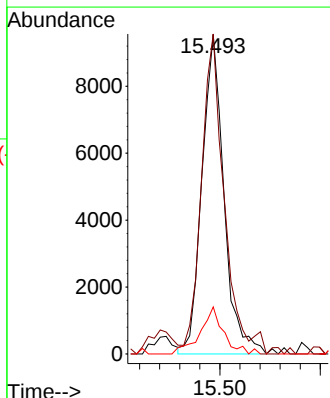
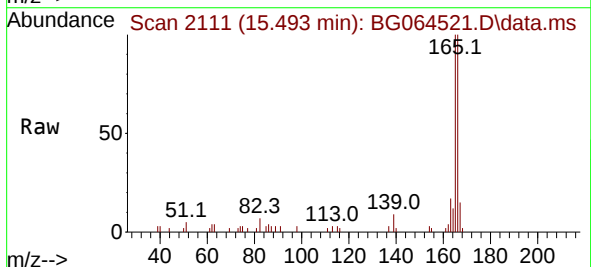
Instrument :  
BNA\_G  
ClientSampleId :  
WCS-TP2

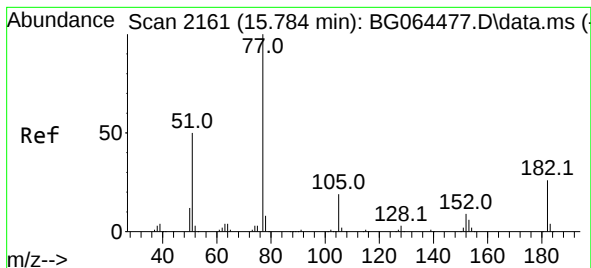
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 165   | Resp: | 5923  |
| Ion Ratio | Lower | Upper |       |
| 165       | 100   |       |       |
| 63        | 0.0   | 40.4  | 60.6# |
| 89        | 0.0   | 57.3  | 85.9# |
| 182       | 0.0   | 1.9   | 2.9#  |



#58  
Fluorene  
Concen: 4.351 ng  
RT: 15.493 min Scan# 2111  
Delta R.T. -0.000 min  
Lab File: BG064521.D  
Acq: 16 Oct 2025 18:20

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 166   | Resp: | 14573 |
| Ion Ratio | Lower | Upper |       |
| 166       | 100   |       |       |
| 165       | 100.1 | 79.8  | 119.6 |
| 167       | 14.7  | 11.7  | 17.5  |





#63

Azobenzene

Concen: 5.760 ng

RT: 15.799 min Scan# 2163

Delta R.T. 0.017 min

Lab File: BG064521.D

Acq: 16 Oct 2025 18:20

Instrument :

BNA\_G

ClientSampleId :

WCS-TP2

Tgt Ion: 77 Resp: 16510

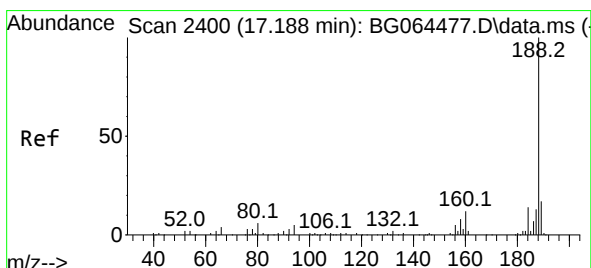
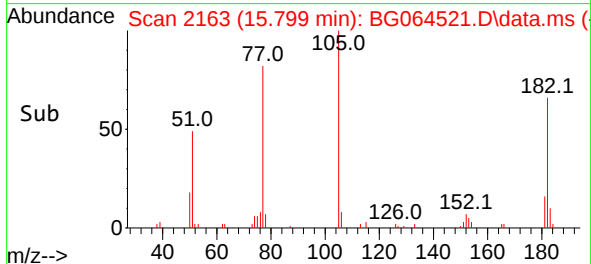
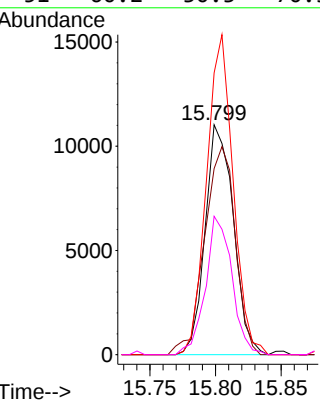
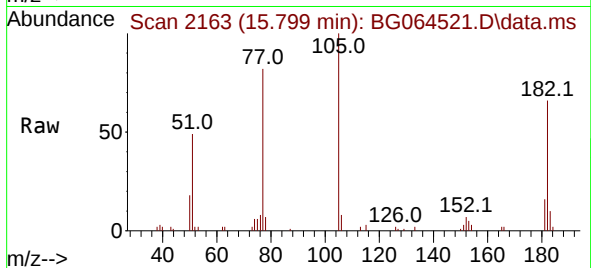
Ion Ratio Lower Upper

77 100

182 80.9 6.3 46.3#

105 122.6 0.0 38.7#

51 60.2 30.3 70.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.186 min Scan# 2399

Delta R.T. -0.000 min

Lab File: BG064521.D

Acq: 16 Oct 2025 18:20

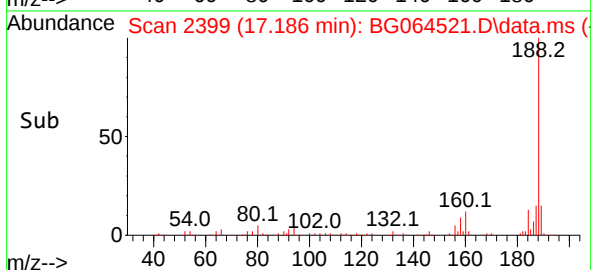
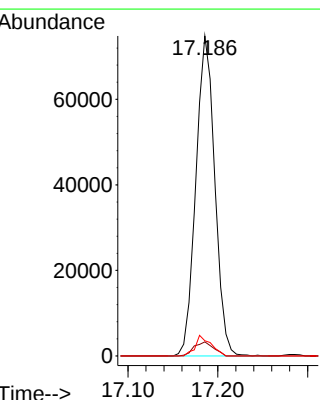
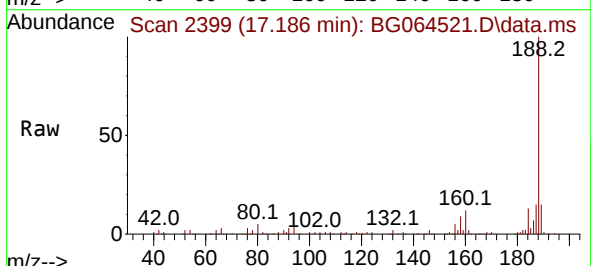
Tgt Ion:188 Resp: 109460

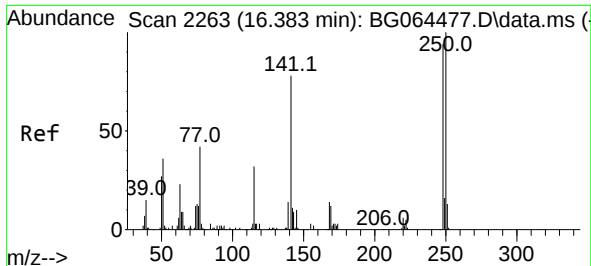
Ion Ratio Lower Upper

188 100

94 4.4 3.7 5.5

80 4.7 4.5 6.7

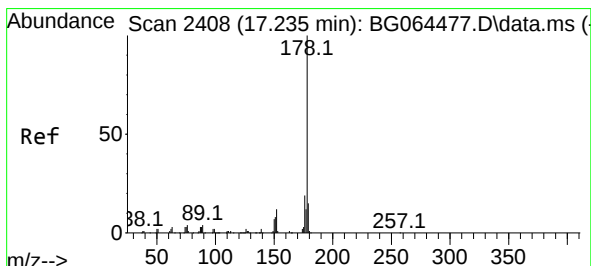
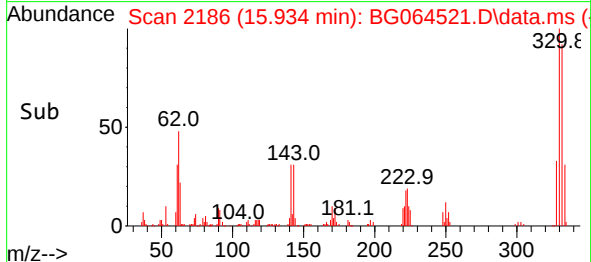
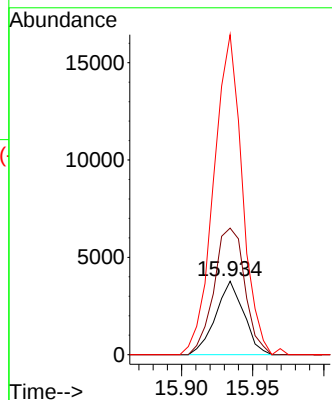
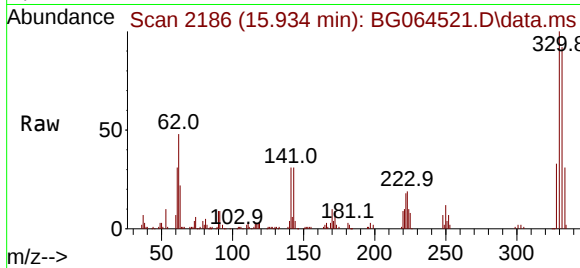




#67  
4-Bromophenyl-phenylether  
Concen: 4.046 ng  
RT: 15.934 min Scan# 2186  
Delta R.T. -0.447 min  
Lab File: BG064521.D  
Acq: 16 Oct 2025 18:20

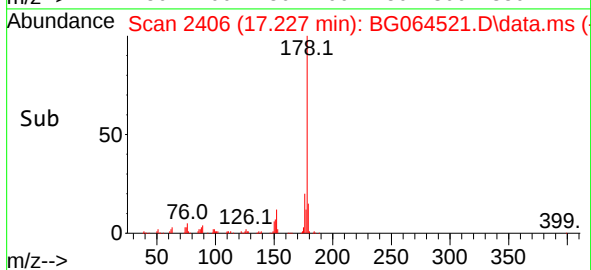
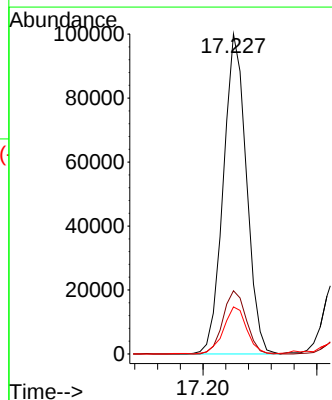
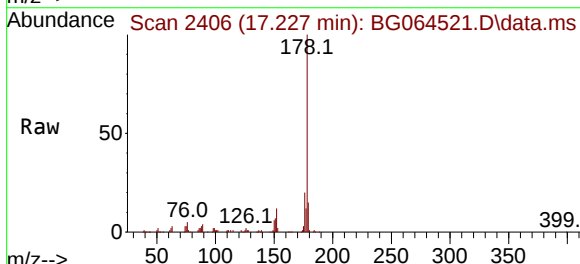
Instrument :  
BNA\_G  
ClientSampleId :  
WCS-TP2

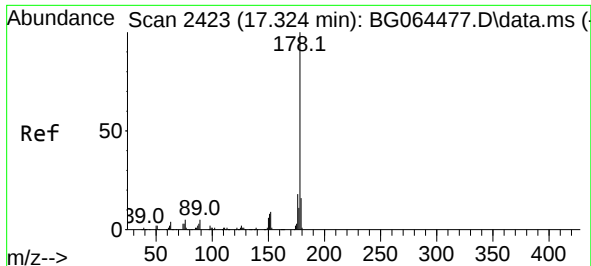
Tgt Ion:248 Resp: 5211  
Ion Ratio Lower Upper  
248 100  
250 172.2 85.3 127.9#  
141 435.3 66.2 99.2#



#71  
Phenanthrene  
Concen: 24.625 ng  
RT: 17.227 min Scan# 2406  
Delta R.T. -0.000 min  
Lab File: BG064521.D  
Acq: 16 Oct 2025 18:20

Tgt Ion:178 Resp: 140962  
Ion Ratio Lower Upper  
178 100  
176 19.8 15.2 22.8  
179 14.7 11.8 17.6

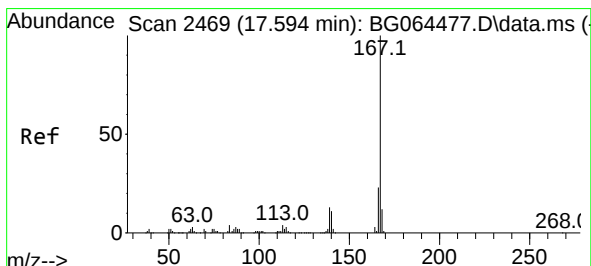
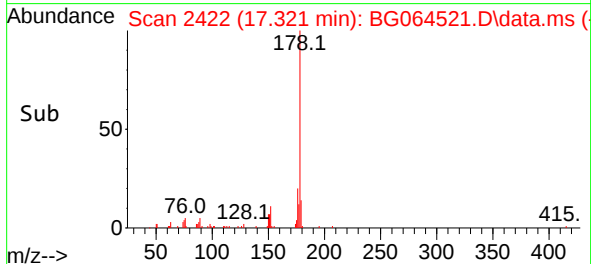
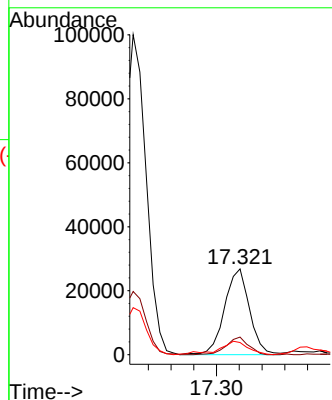
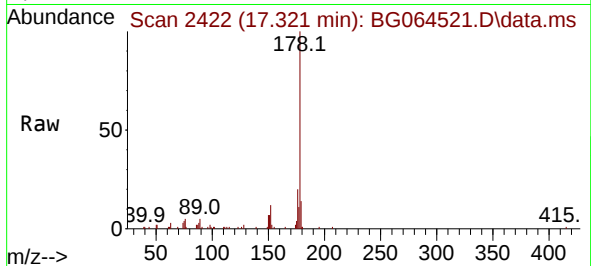




#72  
 Anthracene  
 Concen: 7.118 ng  
 RT: 17.321 min Scan# 2423  
 Delta R.T. -0.000 min  
 Lab File: BG064521.D  
 Acq: 16 Oct 2025 18:20

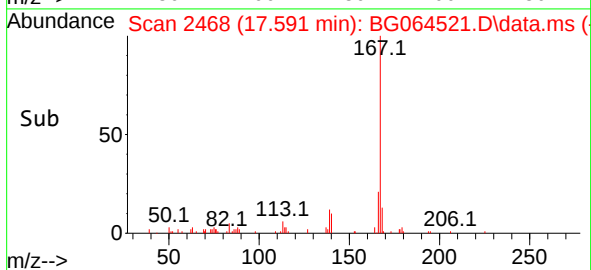
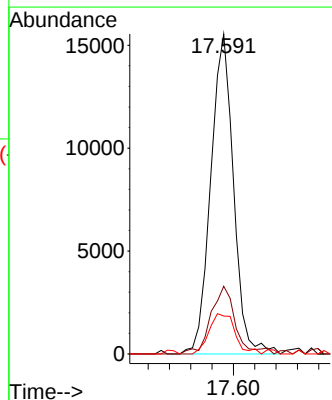
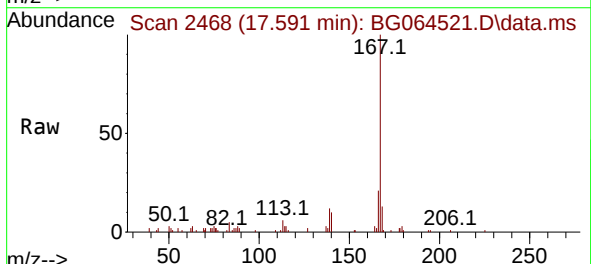
Instrument :  
 BNA\_G  
 ClientSampleId :  
 WCS-TP2

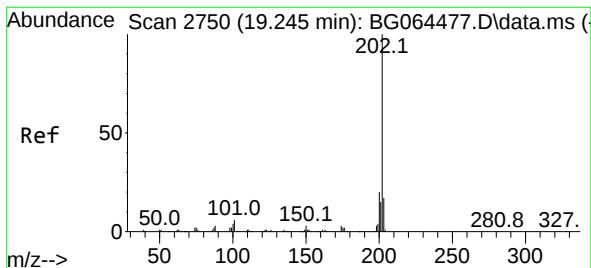
Tgt Ion:178 Resp: 40878  
 Ion Ratio Lower Upper  
 178 100  
 176 20.5 14.6 21.8  
 179 14.2 12.5 18.7



#73  
 Carbazole  
 Concen: 4.640 ng  
 RT: 17.591 min Scan# 2468  
 Delta R.T. -0.000 min  
 Lab File: BG064521.D  
 Acq: 16 Oct 2025 18:20

Tgt Ion:167 Resp: 23034  
 Ion Ratio Lower Upper  
 167 100  
 166 21.1 18.6 27.8  
 139 11.9 10.2 15.4





#75

Fluoranthene

Concen: 81.421 ng

RT: 19.242 min Scan# 21

Delta R.T. 0.005 min

Lab File: BG064521.D

Acq: 16 Oct 2025 18:20

Instrument :

BNA\_G

ClientSampleId :

WCS-TP2

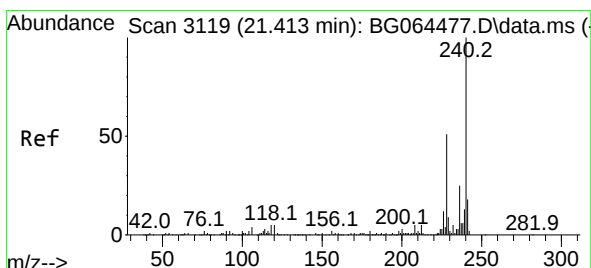
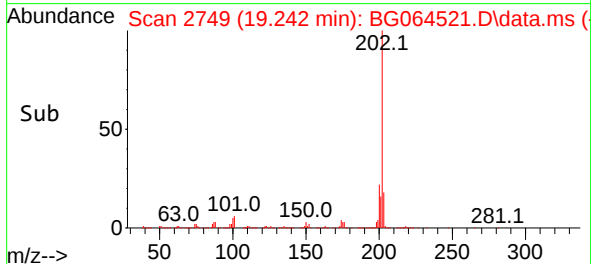
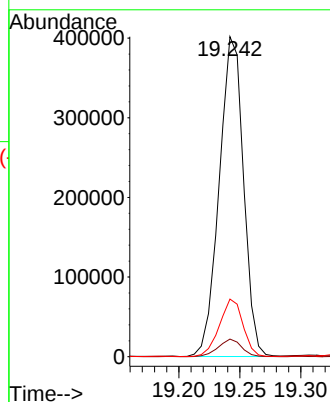
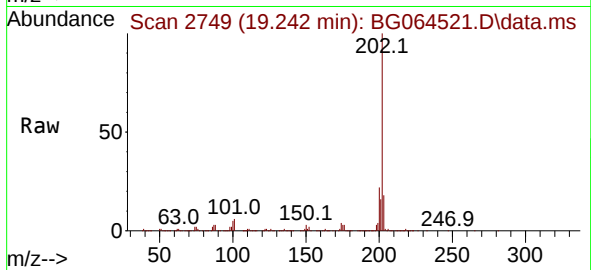
Tgt Ion:202 Resp: 556803

Ion Ratio Lower Upper

202 100

101 5.5 0.0 25.7

203 18.0 0.0 36.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.416 min Scan# 3119

Delta R.T. 0.006 min

Lab File: BG064521.D

Acq: 16 Oct 2025 18:20

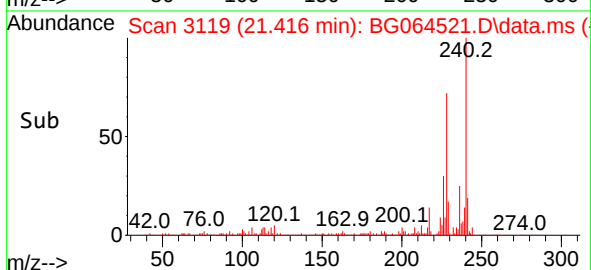
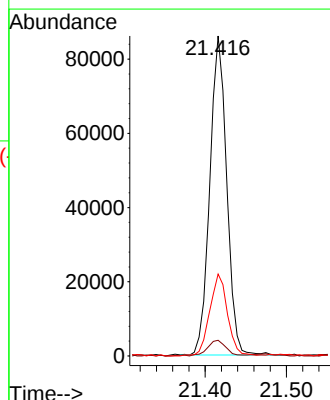
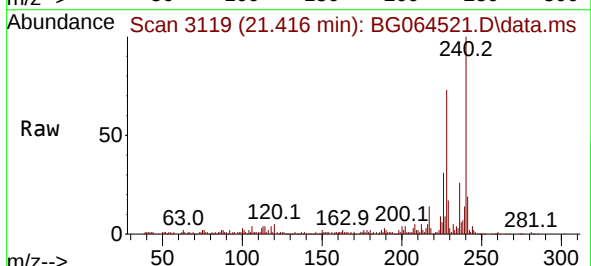
Tgt Ion:240 Resp: 123896

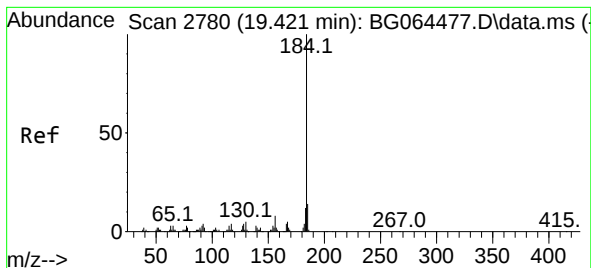
Ion Ratio Lower Upper

240 100

120 4.9 4.3 6.5

236 25.6 20.4 30.6





#77

Benzidine

Concen: 2.079 ng

RT: 19.806 min Scan# 2845

Delta R.T. 0.381 min

Lab File: BG064521.D

Acq: 16 Oct 2025 18:20

Instrument :

BNA\_G

ClientSampleId :

WCS-TP2

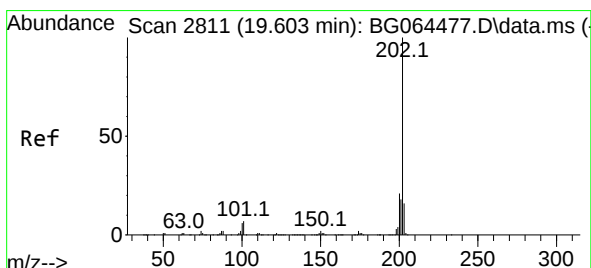
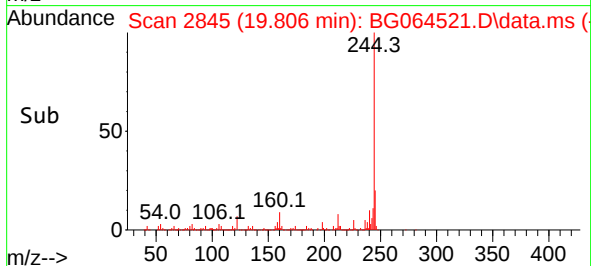
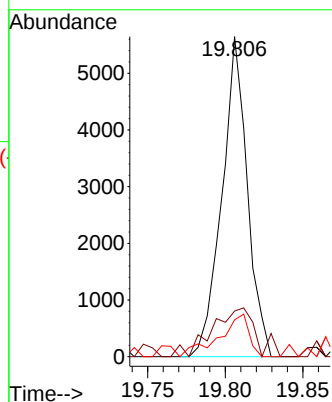
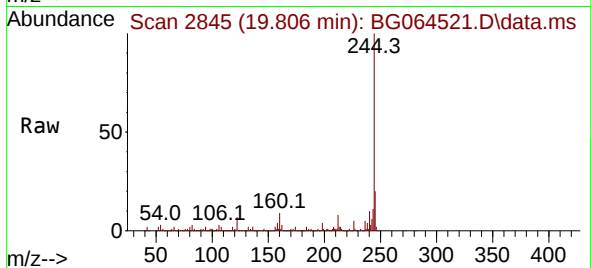
Tgt Ion:184 Resp: 6411

Ion Ratio Lower Upper

184 100

185 14.3 10.9 16.3

183 11.5 9.8 14.6



#78

Pyrene

Concen: 69.543 ng

RT: 19.606 min Scan# 2811

Delta R.T. 0.005 min

Lab File: BG064521.D

Acq: 16 Oct 2025 18:20

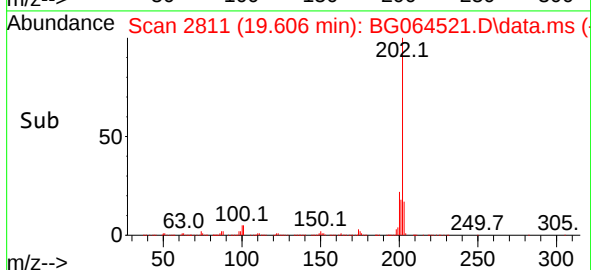
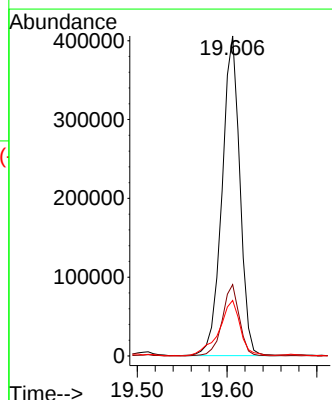
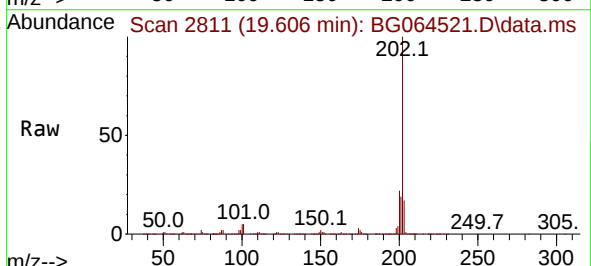
Tgt Ion:202 Resp: 559157

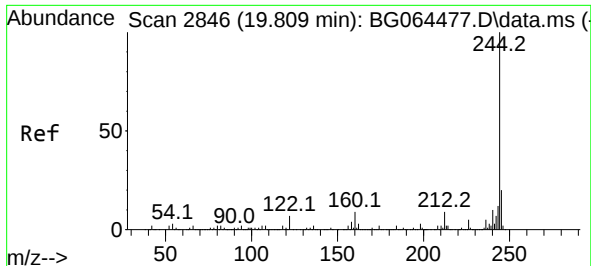
Ion Ratio Lower Upper

202 100

200 22.3 17.0 25.4

203 17.3 13.0 19.4

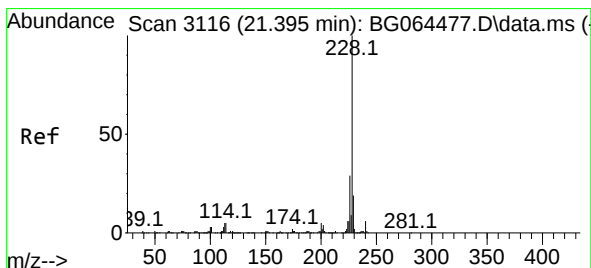
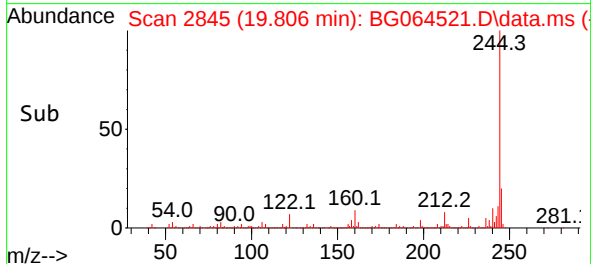
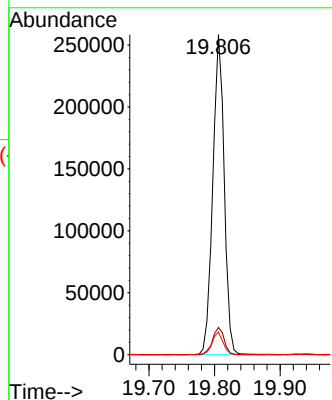
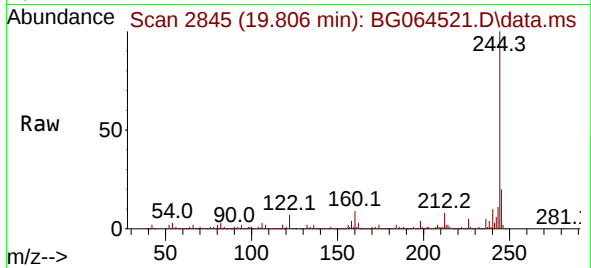




#79  
 Terphenyl-d14  
 Concen: 47.680 ng  
 RT: 19.806 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: BG064521.D  
 Acq: 16 Oct 2025 18:20

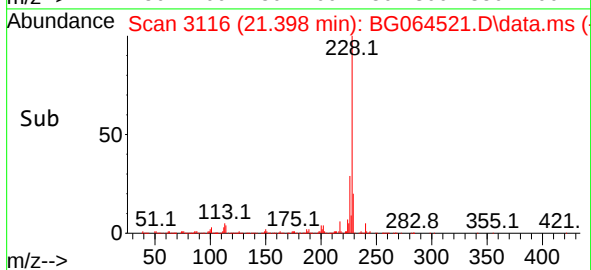
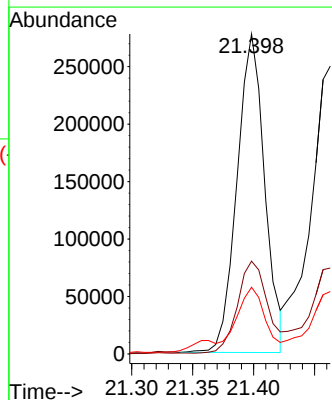
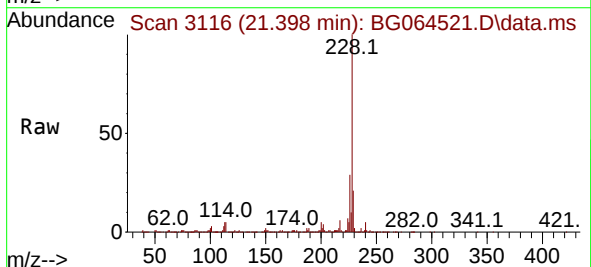
Instrument :  
 BNA\_G  
 ClientSampleId :  
 WCS-TP2

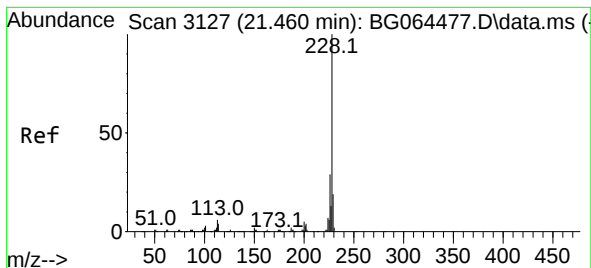
Tgt Ion:244 Resp: 312144  
 Ion Ratio Lower Upper  
 244 100  
 212 8.5 7.0 10.6  
 122 7.1 5.6 8.4



#81  
 Benzo(a)anthracene  
 Concen: 55.191 ng  
 RT: 21.398 min Scan# 3116  
 Delta R.T. 0.005 min  
 Lab File: BG064521.D  
 Acq: 16 Oct 2025 18:20

Tgt Ion:228 Resp: 436605  
 Ion Ratio Lower Upper  
 228 100  
 226 29.0 22.8 34.2  
 229 20.9 15.2 22.8





#83

Chrysene

Concen: 54.876 ng

RT: 21.463 min Scan# 31

Delta R.T. 0.011 min

Lab File: BG064521.D

Acq: 16 Oct 2025 18:20

Instrument :

BNA\_G

ClientSampleId :

WCS-TP2

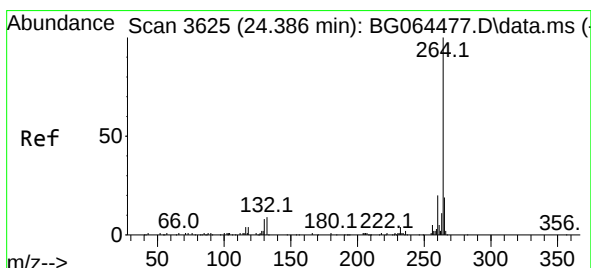
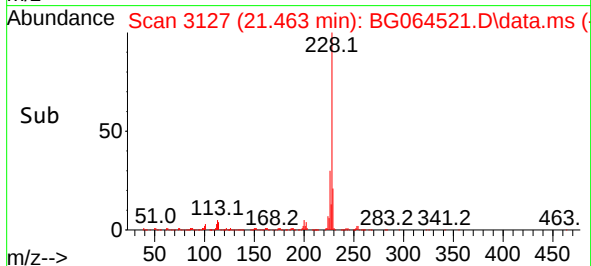
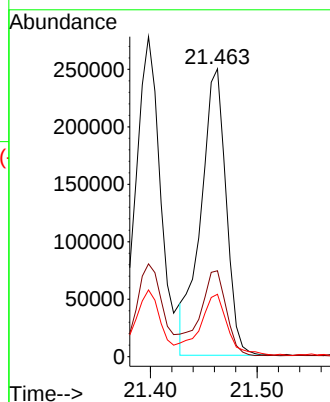
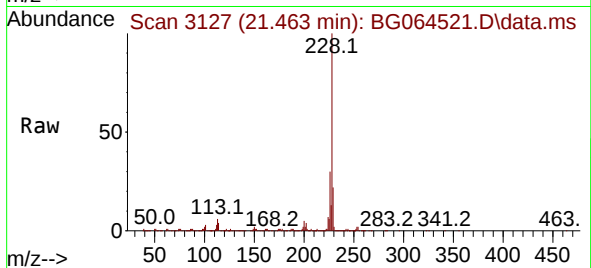
Tgt Ion:228 Resp: 411695

Ion Ratio Lower Upper

228 100

226 29.9 22.8 34.2

229 21.7 15.4 23.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.395 min Scan# 3626

Delta R.T. 0.005 min

Lab File: BG064521.D

Acq: 16 Oct 2025 18:20

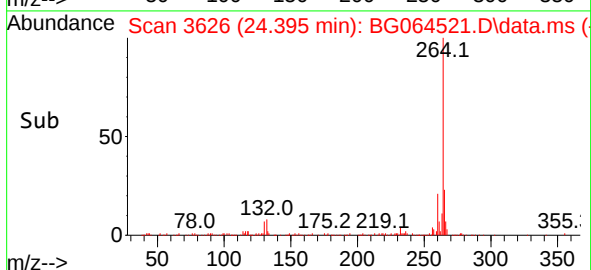
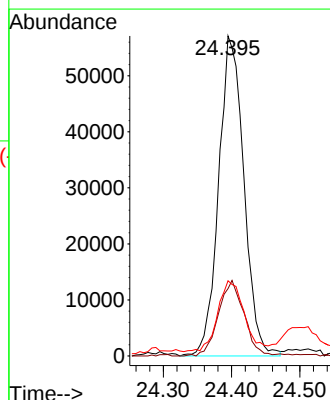
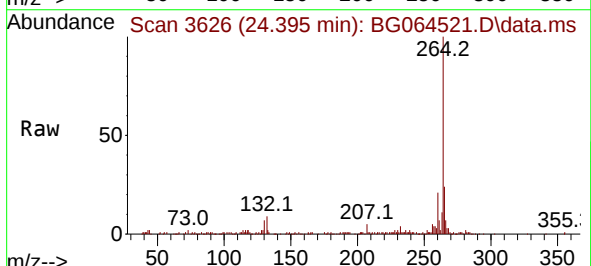
Tgt Ion:264 Resp: 146947

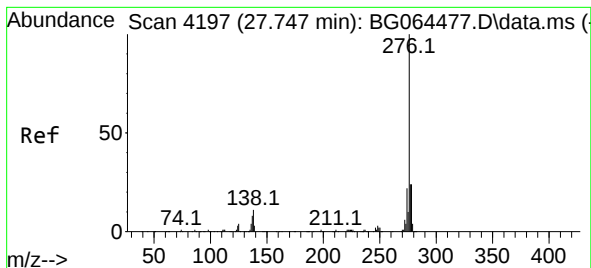
Ion Ratio Lower Upper

264 100

260 21.1 16.2 24.4

265 23.5 15.0 22.4#





#87

Indeno(1,2,3-cd)pyrene

Concen: 31.275 ng

RT: 27.767 min Scan# 4197

Delta R.T. 0.035 min

Lab File: BG064521.D

Acq: 16 Oct 2025 18:20

Instrument :

BNA\_G

ClientSampleId :

WCS-TP2

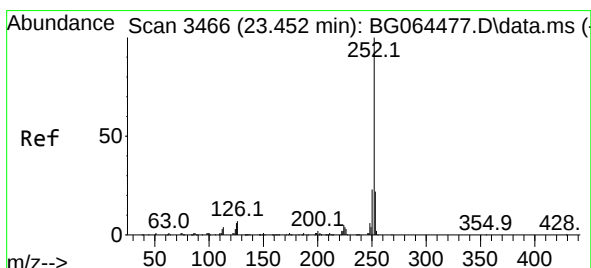
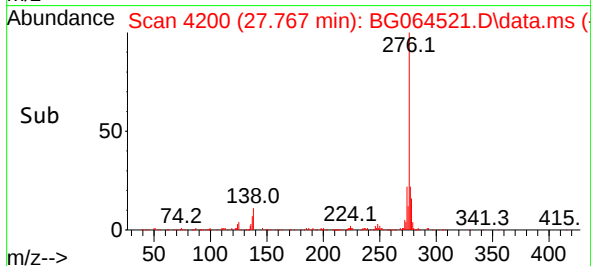
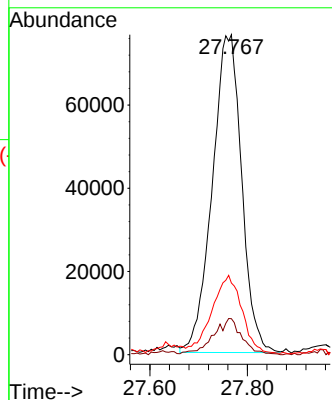
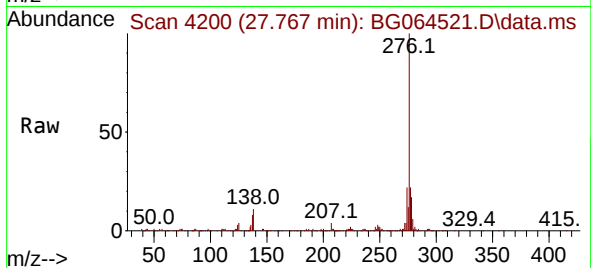
Tgt Ion:276 Resp: 319889

Ion Ratio Lower Upper

276 100

138 11.1 10.8 16.2

277 25.0 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 77.126 ng

RT: 23.472 min Scan# 3469

Delta R.T. 0.023 min

Lab File: BG064521.D

Acq: 16 Oct 2025 18:20

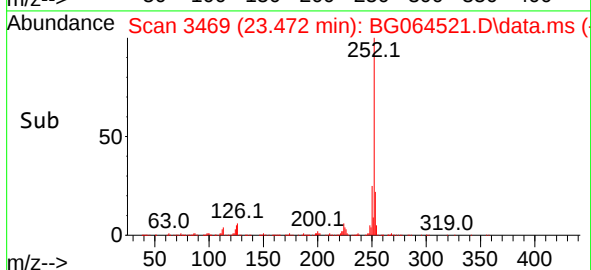
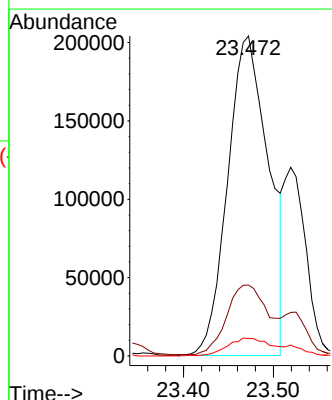
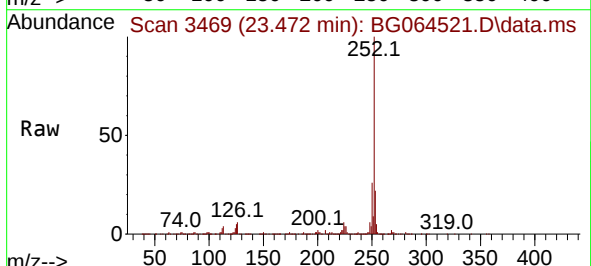
Tgt Ion:252 Resp: 644760

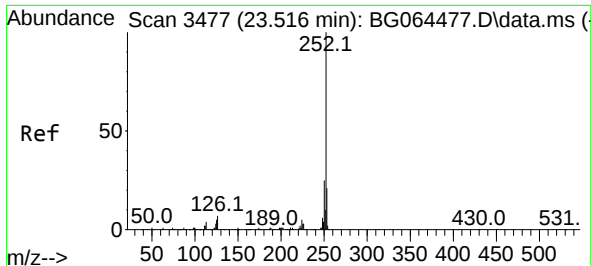
Ion Ratio Lower Upper

252 100

253 22.2 17.5 26.3

125 5.5 4.5 6.7

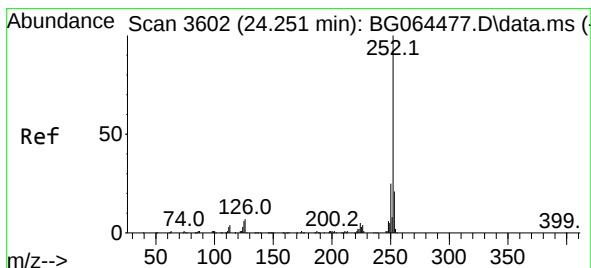
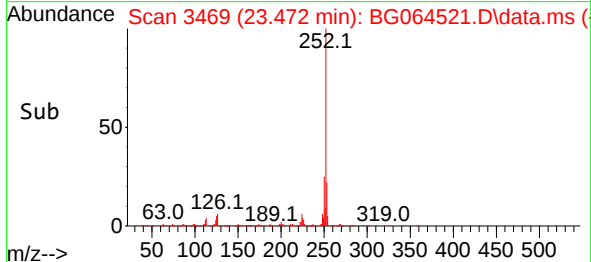
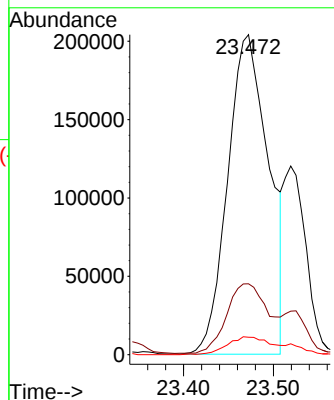
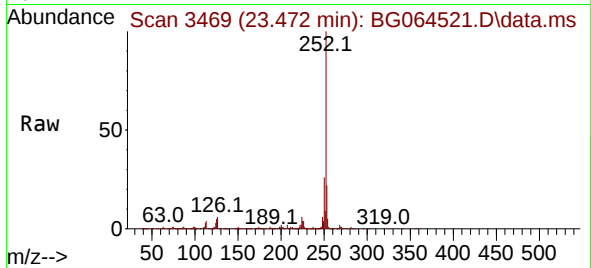




#89  
Benzo(k)fluoranthene  
Concen: 76.578 ng  
RT: 23.472 min Scan# 34  
Delta R.T. -0.036 min  
Lab File: BG064521.D  
Acq: 16 Oct 2025 18:20

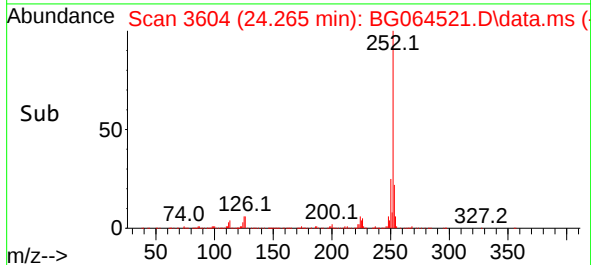
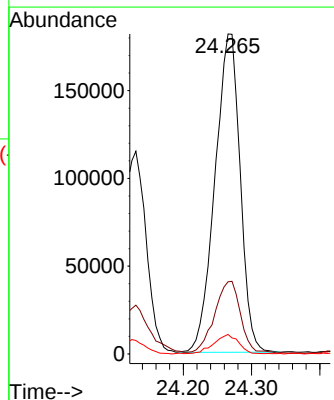
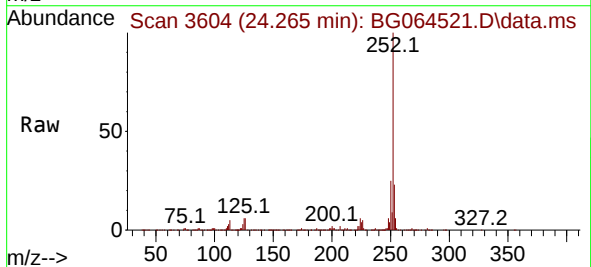
Instrument :  
BNA\_G  
ClientSampleId :  
WCS-TP2

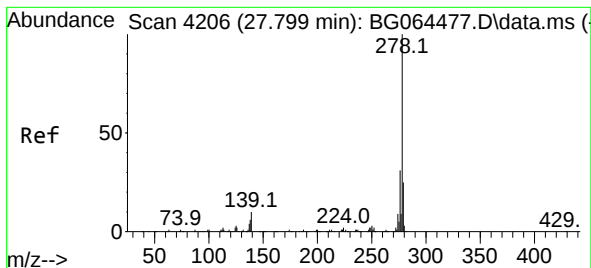
Tgt Ion:252 Resp: 644760  
Ion Ratio Lower Upper  
252 100  
253 22.2 17.4 26.2  
125 5.5 4.0 6.0



#90  
Benzo(a)pyrene  
Concen: 60.485 ng  
RT: 24.265 min Scan# 3604  
Delta R.T. 0.017 min  
Lab File: BG064521.D  
Acq: 16 Oct 2025 18:20

Tgt Ion:252 Resp: 466021  
Ion Ratio Lower Upper  
252 100  
253 22.6 17.1 25.7  
125 6.1 4.6 6.8





#91

Dibenzo(a,h)anthracene

Concen: 9.823 ng

RT: 27.785 min Scan# 41

Delta R.T. 0.005 min

Lab File: BG064521.D

Acq: 16 Oct 2025 18:20

Instrument :

BNA\_G

ClientSampleId :

WCS-TP2

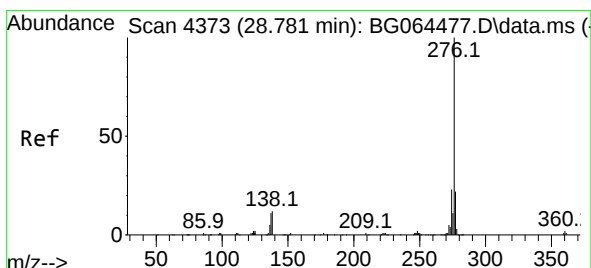
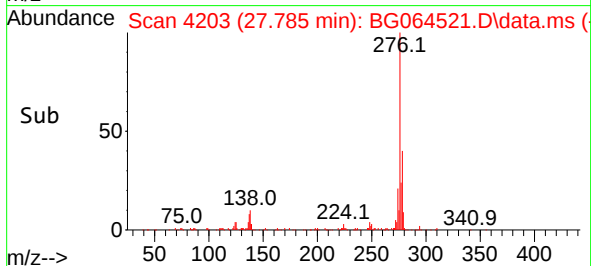
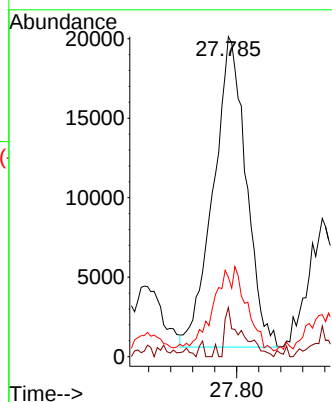
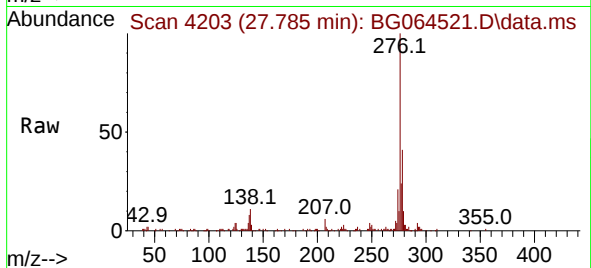
Tgt Ion:278 Resp: 80349

Ion Ratio Lower Upper

278 100

139 15.3 8.2 12.2#

279 24.8 19.6 29.4



#92

Benzo(g,h,i)perylene

Concen: 36.857 ng

RT: 28.807 min Scan# 4377

Delta R.T. 0.041 min

Lab File: BG064521.D

Acq: 16 Oct 2025 18:20

Tgt Ion:276 Resp: 292975

Ion Ratio Lower Upper

276 100

277 22.4 17.8 26.6

138 10.7 9.4 14.0

