

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG101725\  
 Data File : BG064542.D  
 Acq On : 17 Oct 2025 19:12  
 Operator : RC/JU  
 Sample : Q3363-02  
 Misc : 8270/625.1 SPIKE  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PR132-SO1-039085-20251015

Quant Time: Oct 17 23:22:06 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

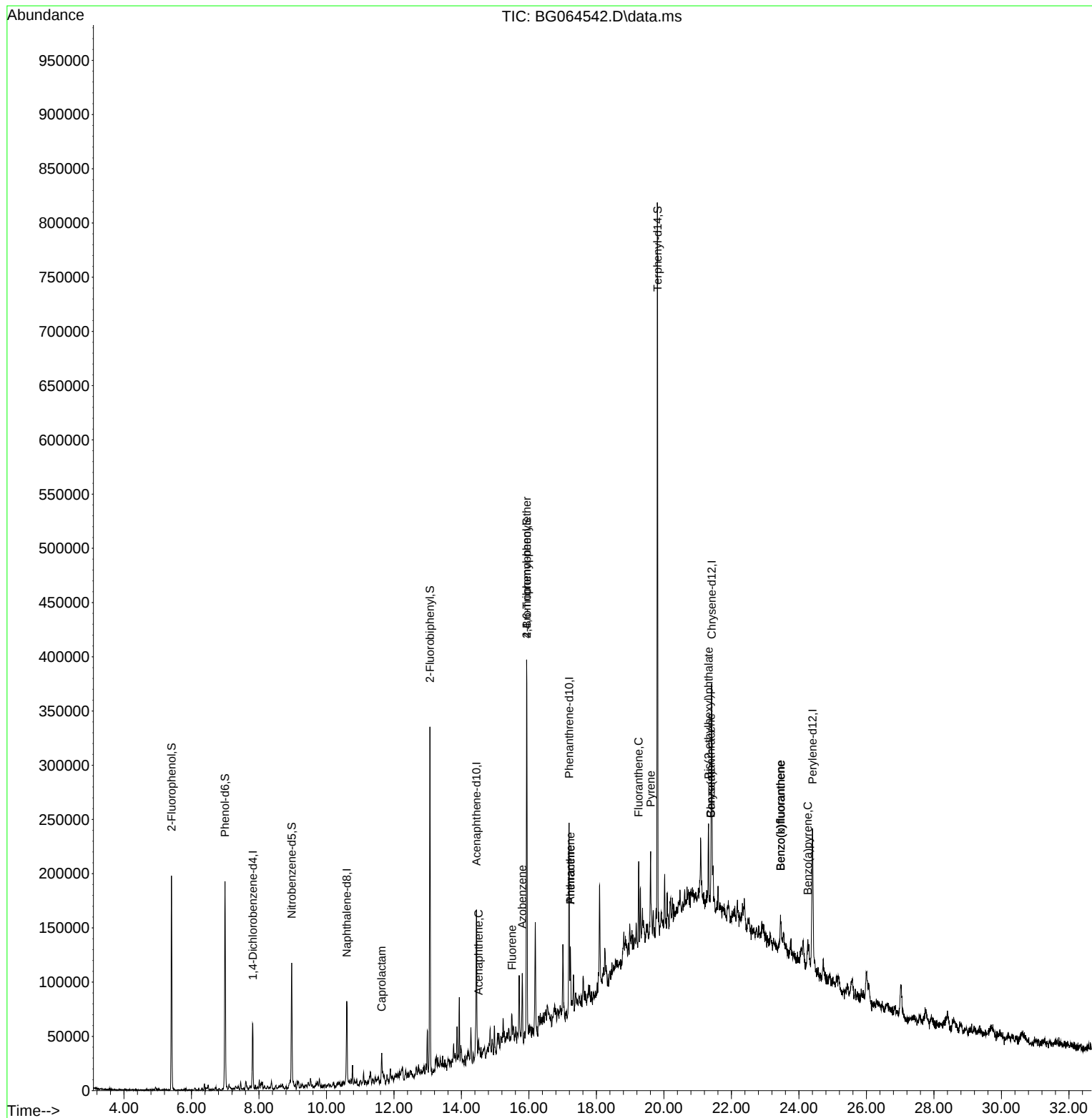
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.818  | 152  | 14350    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.603 | 136  | 59289    | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.445 | 164  | 41893    | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.189 | 188  | 102654   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 21.414 | 240  | 115906   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 24.398 | 264  | 131885   | 20.000 | ng    | # 0.00   |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.409  | 112  | 71909    | 92.739 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.995  | 99   | 88539    | 84.971 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.970  | 82   | 60080    | 54.487 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.938 | 330  | 69882    | 92.026 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.065 | 172  | 152882   | 53.791 | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.810 | 244  | 317816   | 51.893 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 35) Caprolactam               | 11.631 | 113  | 905      | 2.735  | ng    | # 18     |
| 52) Acenaphthene              | 14.510 | 154  | 5792     | 2.496  | ng    | 86       |
| 58) Fluorene                  | 15.497 | 166  | 9815     | 3.082  | ng    | # 81     |
| 63) Azobenzene                | 15.803 | 77   | 13512    | 4.957  | ng    | # 9      |
| 67) 4-Bromophenyl-phenylether | 15.938 | 248  | 4587     | 3.797  | ng    | # 1      |
| 71) Phenanthrene              | 17.230 | 178  | 35938    | 6.694  | ng    | 98       |
| 72) Anthracene                | 17.230 | 178  | 35938    | 6.673  | ng    | 98       |
| 75) Fluoranthene              | 19.252 | 202  | 44438    | 6.929  | ng    | 91       |
| 78) Pyrene                    | 19.604 | 202  | 44716    | 5.945  | ng    | # 93     |
| 81) Benzo(a)anthracene        | 21.390 | 228  | 21984    | 2.971  | ng    | 94       |
| 83) Chrysene                  | 21.390 | 228  | 21984    | 3.132  | ng    | 94       |
| 84) Bis(2-ethylhexyl)phtha... | 21.320 | 149  | 28940    | 7.692  | ng    | # 86     |
| 88) Benzo(b)fluoranthene      | 23.453 | 252  | 28308    | 3.773  | ng    | # 77     |
| 89) Benzo(k)fluoranthene      | 23.453 | 252  | 28308    | 3.746  | ng    | # 77     |
| 90) Benzo(a)pyrene            | 24.263 | 252  | 21239    | 3.071  | ng    | # 84     |
| -----                         |        |      |          |        |       |          |

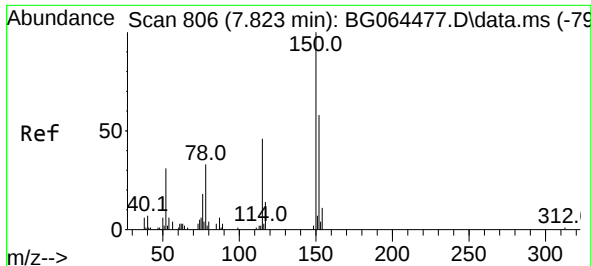
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG101725\  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Oct 02 16:40:42 2025  
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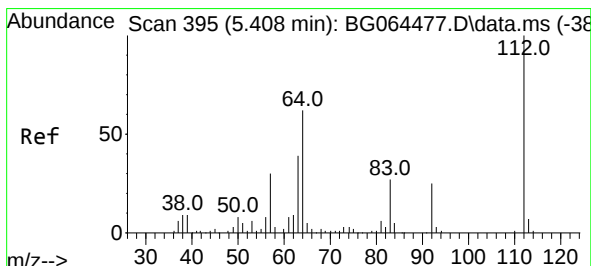
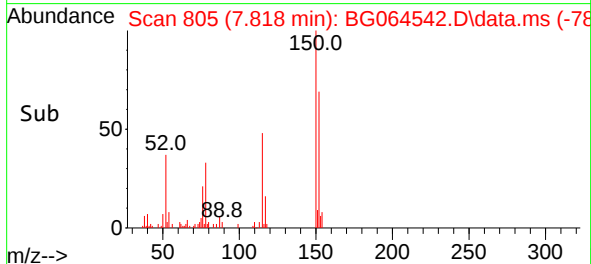
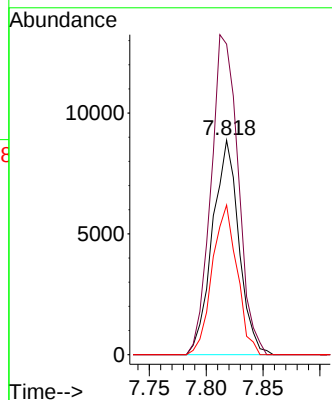
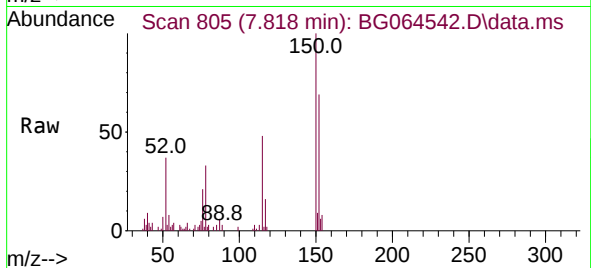




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.818 min Scan# 806  
Delta R.T. -0.002 min  
Lab File: BG064542.D  
Acq: 17 Oct 2025 19:12

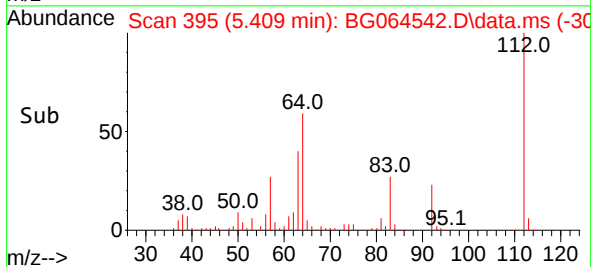
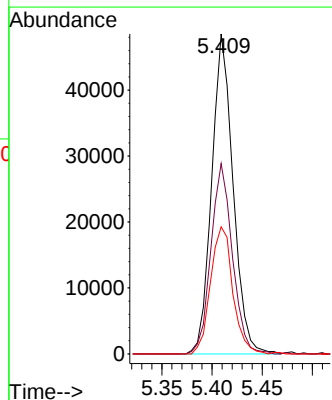
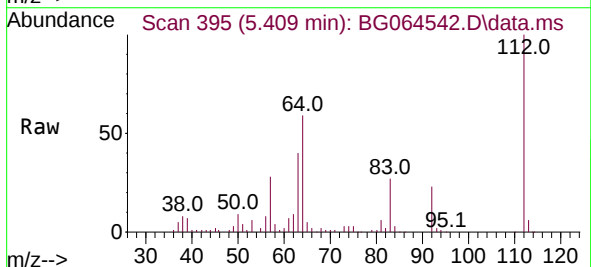
Instrument :  
BNA\_G  
ClientSampleId :  
PR132-SO1-039085-20251015

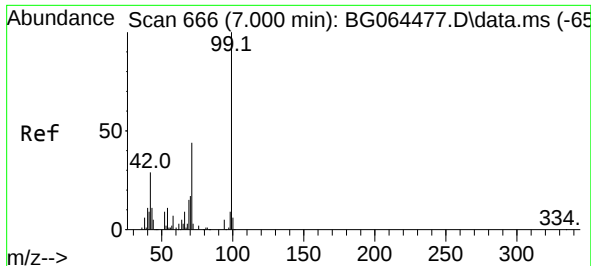
Tgt Ion:152 Resp: 14350  
Ion Ratio Lower Upper  
152 100  
150 144.8 138.6 207.8  
115 69.7 63.4 95.2



#5  
2-Fluorophenol  
Concen: 92.739 ng  
RT: 5.409 min Scan# 395  
Delta R.T. 0.003 min  
Lab File: BG064542.D  
Acq: 17 Oct 2025 19:12

Tgt Ion:112 Resp: 71909  
Ion Ratio Lower Upper  
112 100  
64 59.5 49.8 74.8  
63 39.7 31.3 46.9

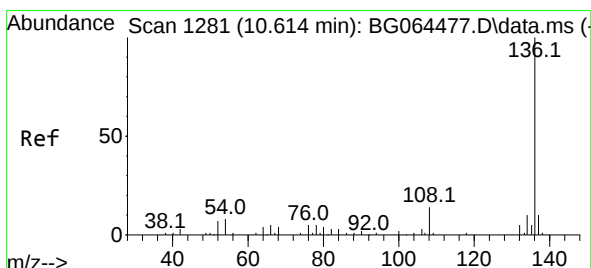
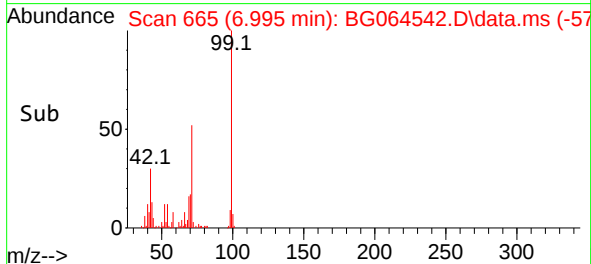
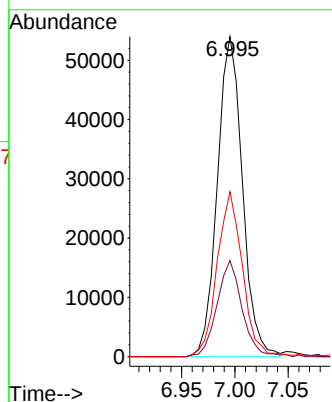
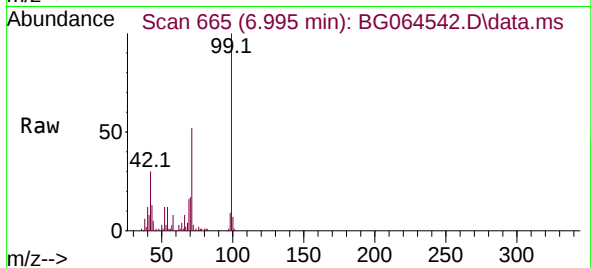




#7  
Phenol-d6  
Concen: 84.971 ng  
RT: 6.995 min Scan# 60  
Delta R.T. 0.009 min  
Lab File: BG064542.D  
Acq: 17 Oct 2025 19:12

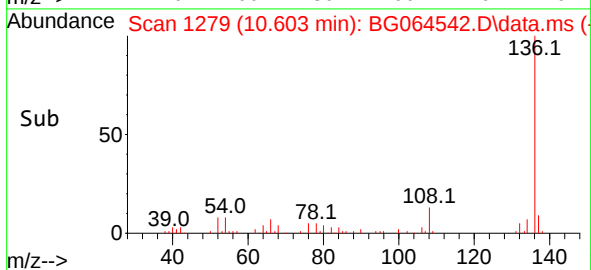
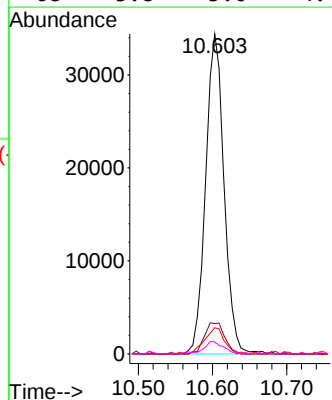
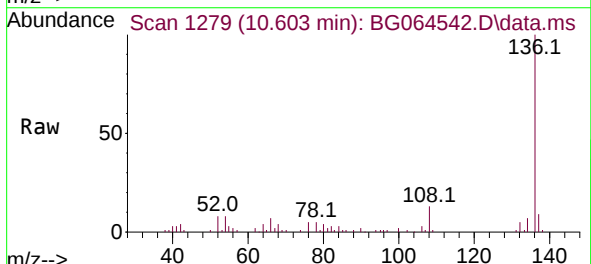
Instrument :  
BNA\_G  
ClientSampleId :  
PR132-SO1-039085-20251015

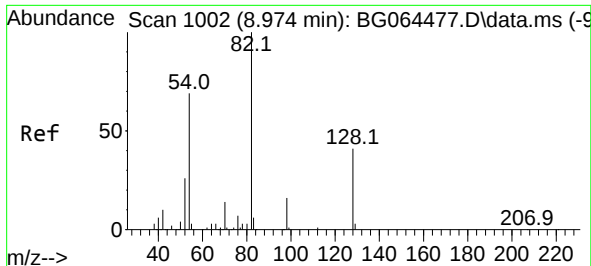
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 99    | Resp: | 88539 |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 30.0  | 22.9  | 34.3  |
| 71       | 51.5  | 35.4  | 53.2  |



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.603 min Scan# 1279  
Delta R.T. -0.003 min  
Lab File: BG064542.D  
Acq: 17 Oct 2025 19:12

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 59289 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 9.5   | 8.3   | 12.5  |
| 54       | 8.2   | 6.2   | 9.4   |
| 68       | 3.8   | 3.0   | 4.4   |





#23

Nitrobenzene-d5

Concen: 54.487 ng

RT: 8.970 min Scan# 10

Delta R.T. 0.003 min

Lab File: BG064542.D

Acq: 17 Oct 2025 19:12

Instrument :

BNA\_G

ClientSampleId :

PR132-SO1-039085-20251015

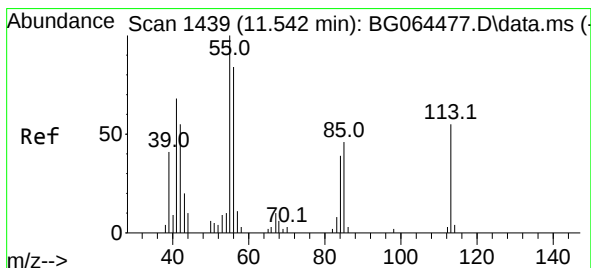
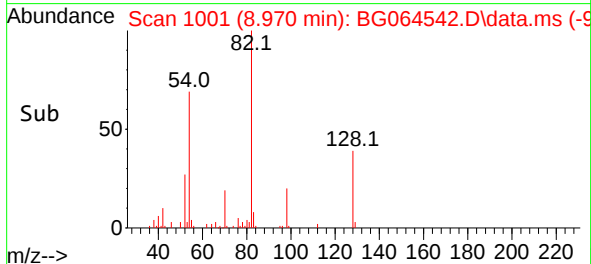
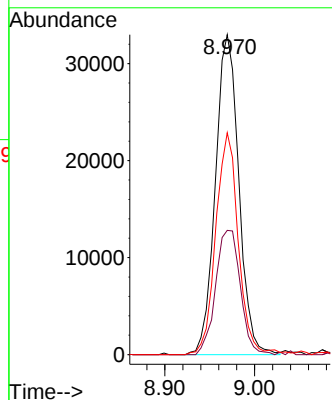
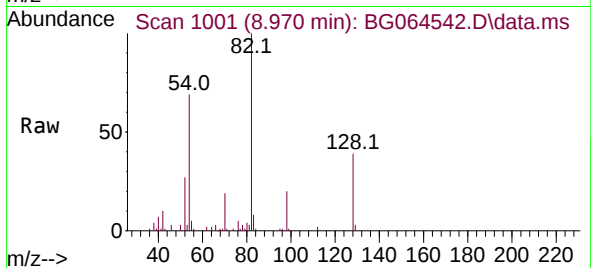
Tgt Ion: 82 Resp: 60080

Ion Ratio Lower Upper

82 100

128 38.8 33.1 49.7

54 69.3 55.4 83.2



#35

Caprolactam

Concen: 2.735 ng

RT: 11.631 min Scan# 1454

Delta R.T. 0.121 min

Lab File: BG064542.D

Acq: 17 Oct 2025 19:12

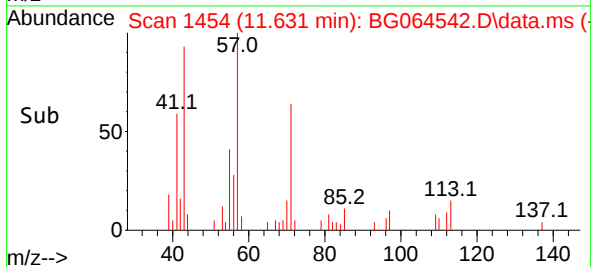
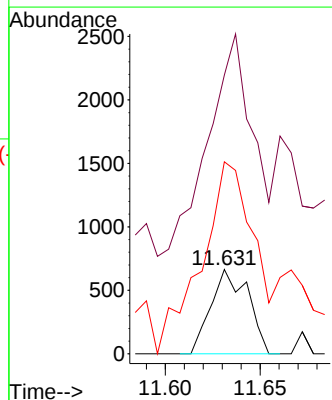
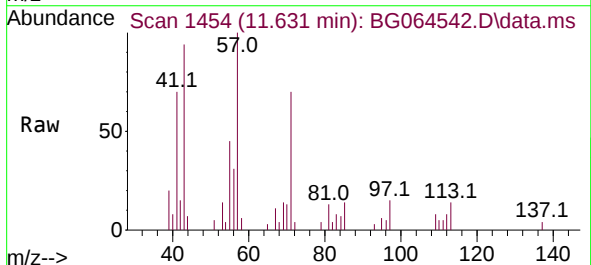
Tgt Ion: 113 Resp: 905

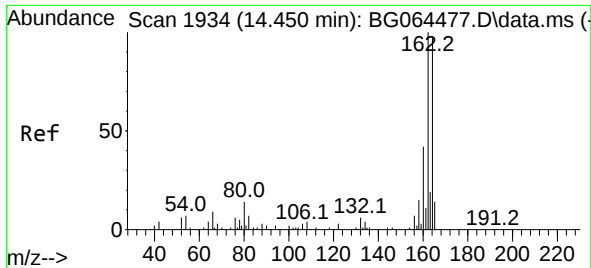
Ion Ratio Lower Upper

113 100

55 330.1 162.0 202.0#

56 227.5 134.6 174.6#

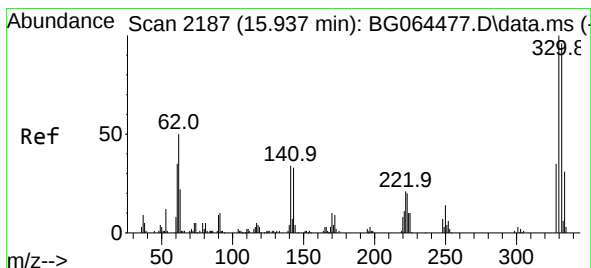
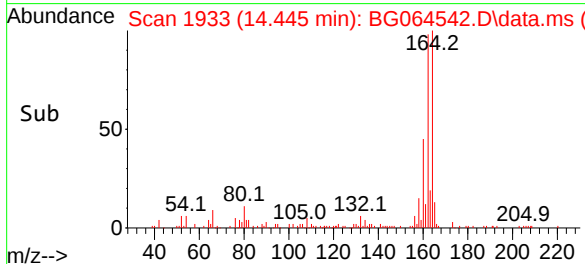
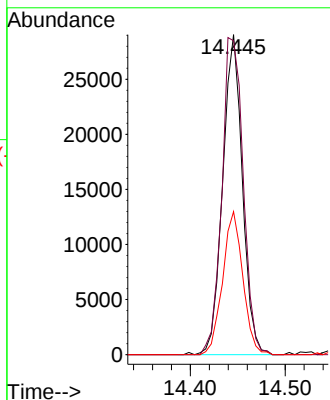
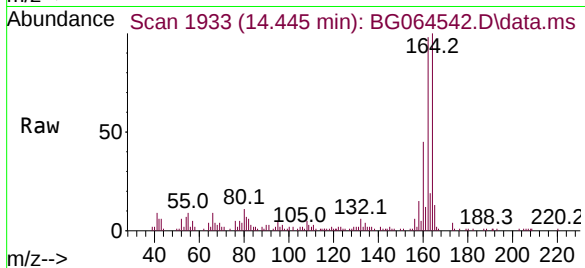




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.445 min Scan# 1933  
Delta R.T. -0.003 min  
Lab File: BG064542.D  
Acq: 17 Oct 2025 19:12

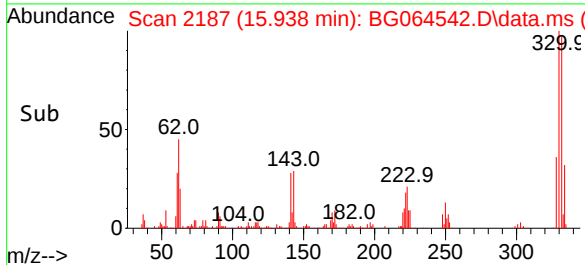
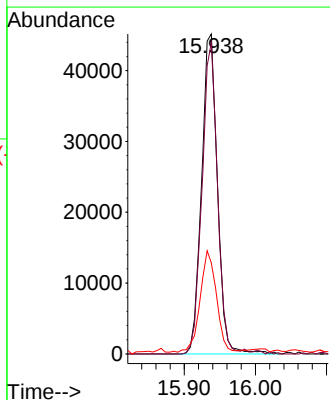
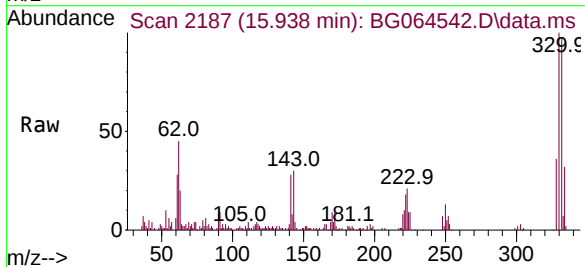
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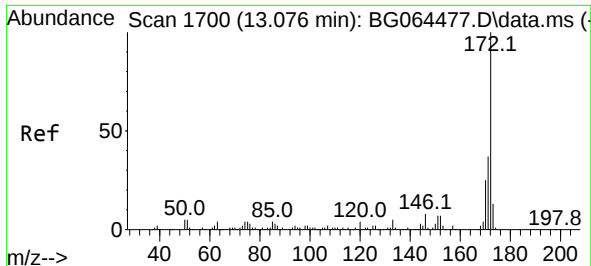
Tgt Ion:164 Resp: 41893  
Ion Ratio Lower Upper  
164 100  
162 98.1 82.2 123.2  
160 44.7 34.3 51.5



#42  
2,4,6-Tribromophenol  
Concen: 92.026 ng  
RT: 15.938 min Scan# 2187  
Delta R.T. 0.003 min  
Lab File: BG064542.D  
Acq: 17 Oct 2025 19:12

Tgt Ion:330 Resp: 69882  
Ion Ratio Lower Upper  
330 100  
332 94.3 77.4 116.0  
141 32.4 25.8 38.6

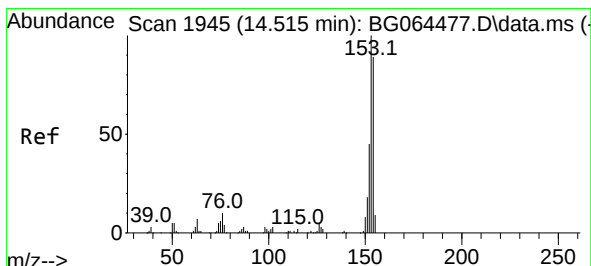
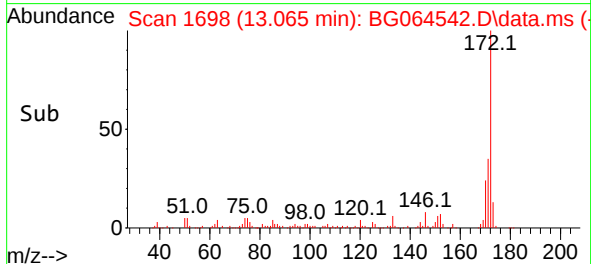
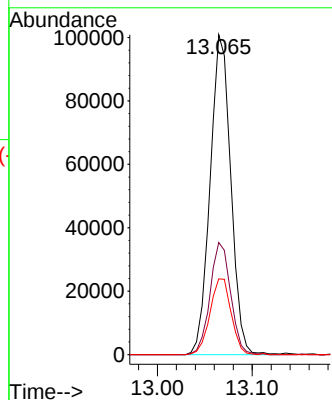
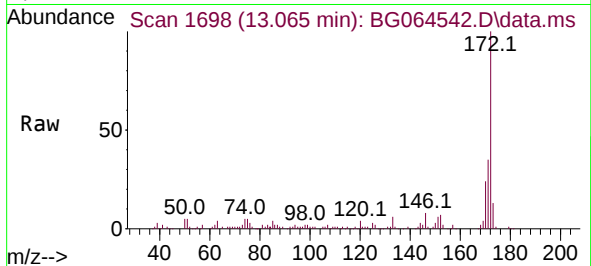




#45  
2-Fluorobiphenyl  
Concen: 53.791 ng  
RT: 13.065 min Scan# 1698  
Delta R.T. -0.003 min  
Lab File: BG064542.D  
Acq: 17 Oct 2025 19:12

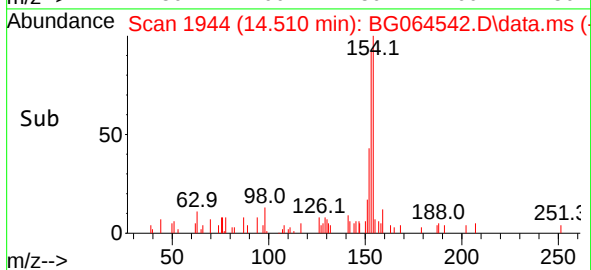
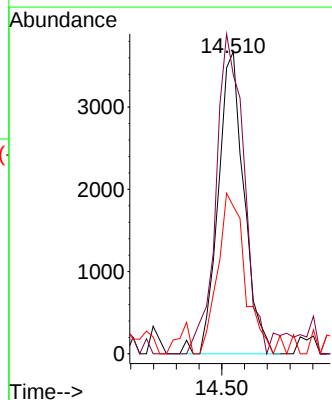
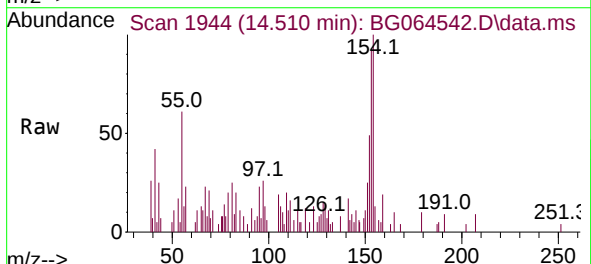
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BNA\_G  
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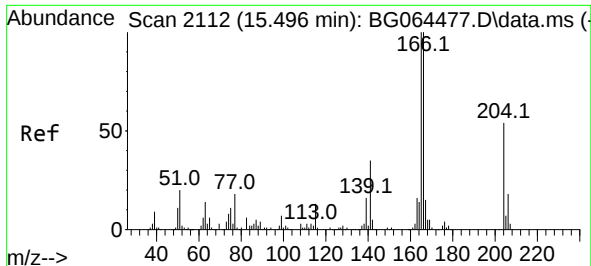
Tgt Ion:172 Resp: 152882  
Ion Ratio Lower Upper  
172 100  
171 35.0 29.6 44.4  
170 23.7 20.2 30.2



#52  
Acenaphthene  
Concen: 2.496 ng  
RT: 14.510 min Scan# 1944  
Delta R.T. -0.003 min  
Lab File: BG064542.D  
Acq: 17 Oct 2025 19:12

Tgt Ion:154 Resp: 5792  
Ion Ratio Lower Upper  
154 100  
153 92.3 90.2 135.4  
152 48.8 40.2 60.4

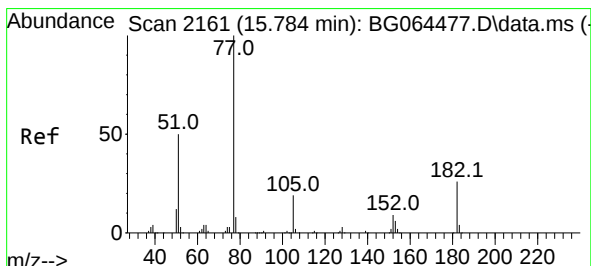
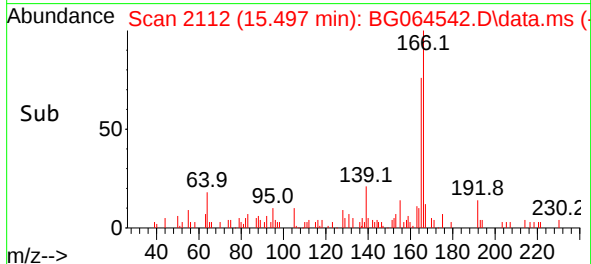
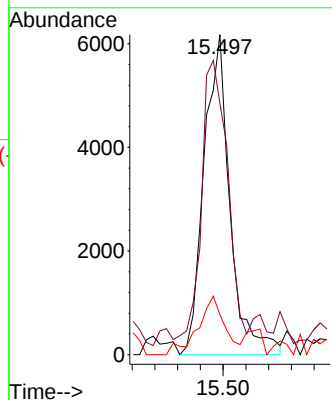
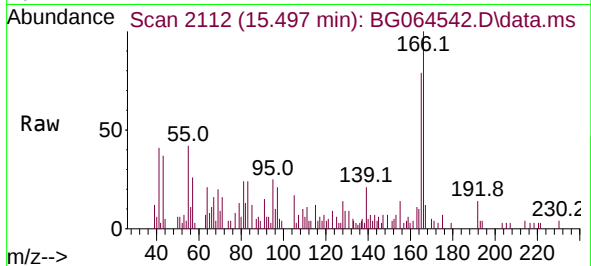




#58  
 Fluorene  
 Concen: 3.082 ng  
 RT: 15.497 min Scan# 2112  
 Delta R.T. 0.003 min  
 Lab File: BG064542.D  
 Acq: 17 Oct 2025 19:12

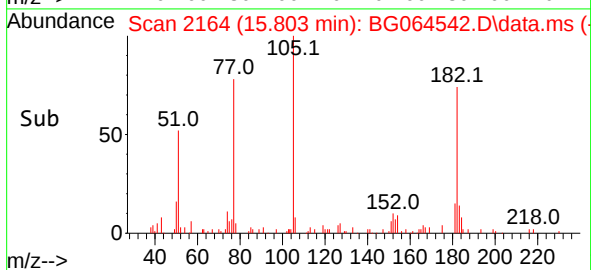
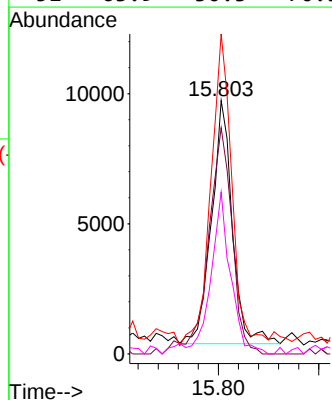
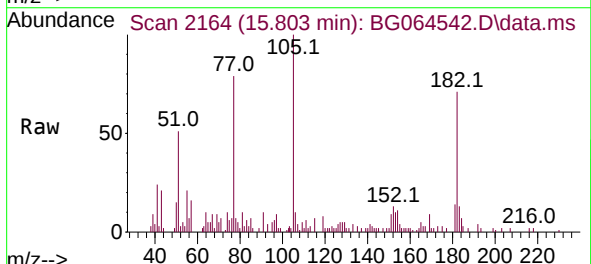
Instrument :  
 BNA\_G  
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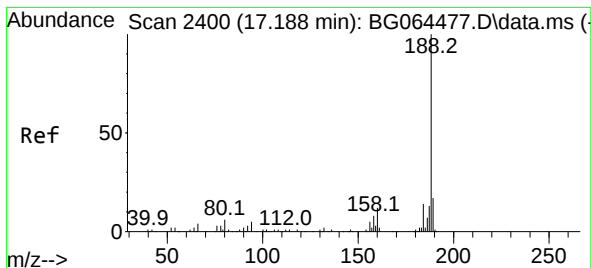
Tgt Ion:166 Resp: 9815  
 Ion Ratio Lower Upper  
 166 100  
 165 78.6 79.8 119.6#  
 167 12.5 11.7 17.5



#63  
 Azobenzene  
 Concen: 4.957 ng  
 RT: 15.803 min Scan# 2164  
 Delta R.T. 0.021 min  
 Lab File: BG064542.D  
 Acq: 17 Oct 2025 19:12

Tgt Ion: 77 Resp: 13512  
 Ion Ratio Lower Upper  
 77 100  
 182 89.3 6.3 46.3#  
 105 126.3 0.0 38.7#  
 51 63.9 30.3 70.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.189 min Scan# 24

Delta R.T. 0.003 min

Lab File: BG064542.D

Acq: 17 Oct 2025 19:12

Instrument :

BNA\_G

ClientSampleId :

PR132-SO1-039085-20251015

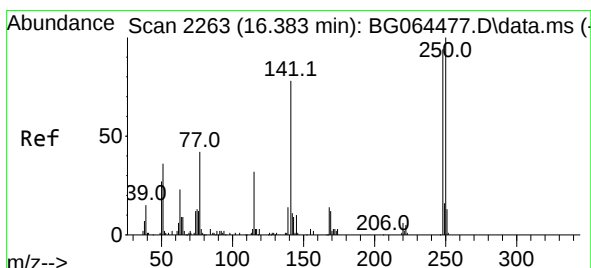
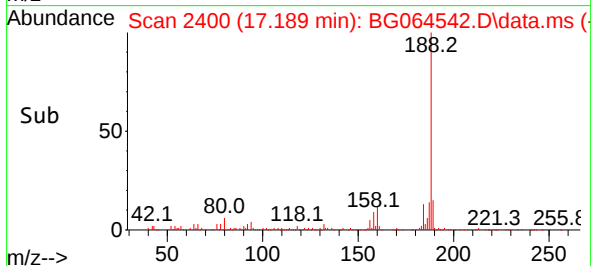
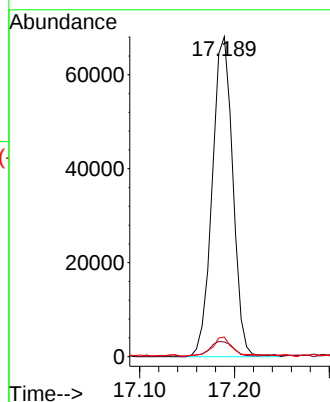
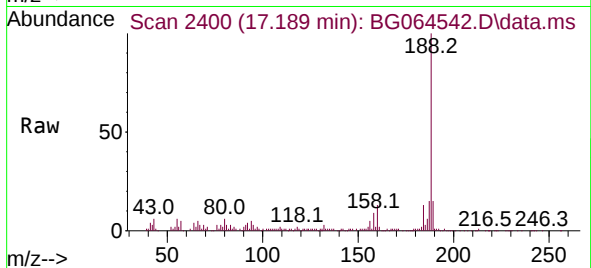
Tgt Ion:188 Resp: 102654

Ion Ratio Lower Upper

188 100

94 4.6 3.7 5.5

80 6.1 4.5 6.7



#67

4-Bromophenyl-phenylether

Concen: 3.797 ng

RT: 15.938 min Scan# 2187

Delta R.T. -0.443 min

Lab File: BG064542.D

Acq: 17 Oct 2025 19:12

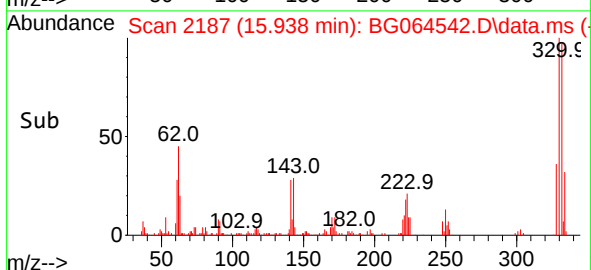
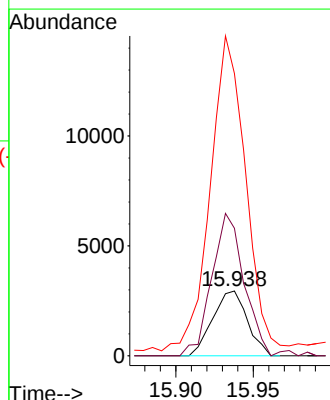
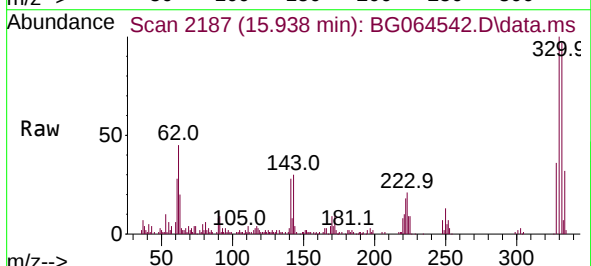
Tgt Ion:248 Resp: 4587

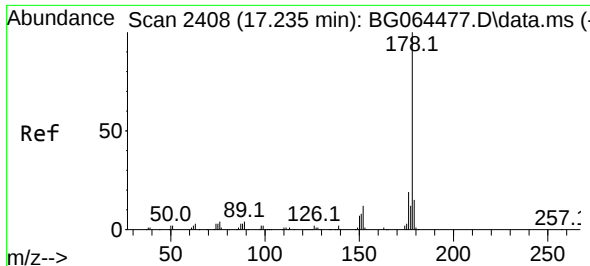
Ion Ratio Lower Upper

248 100

250 196.5 85.3 127.9#

141 434.6 66.2 99.2#

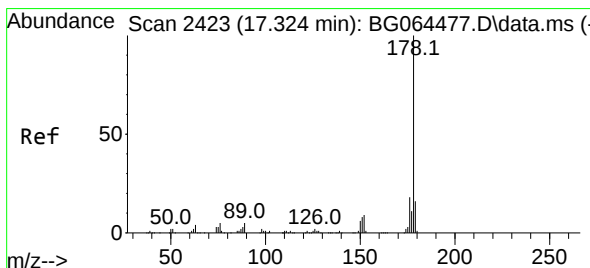
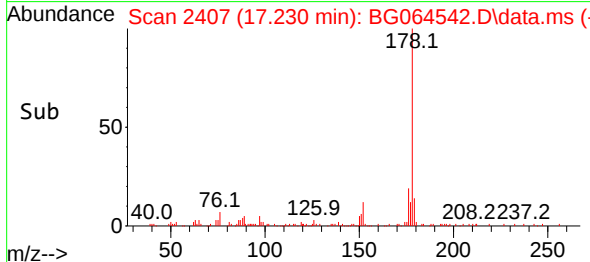
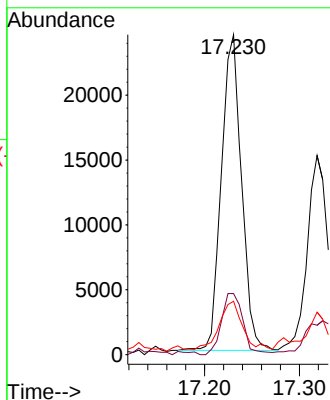
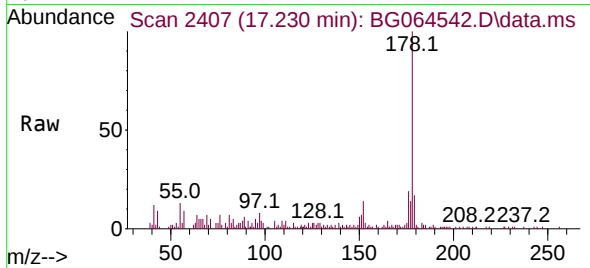




#71  
Phenanthrene  
Concen: 6.694 ng  
RT: 17.230 min Scan# 2407  
Delta R.T. 0.003 min  
Lab File: BG064542.D  
Acq: 17 Oct 2025 19:12

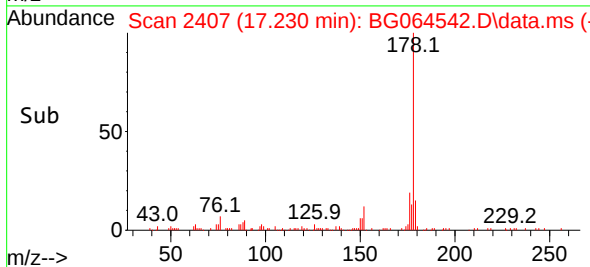
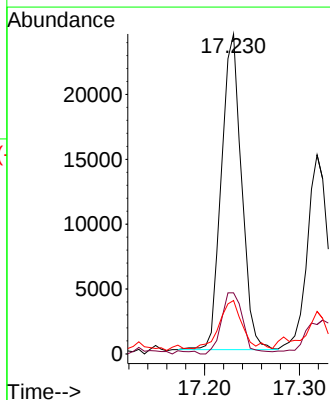
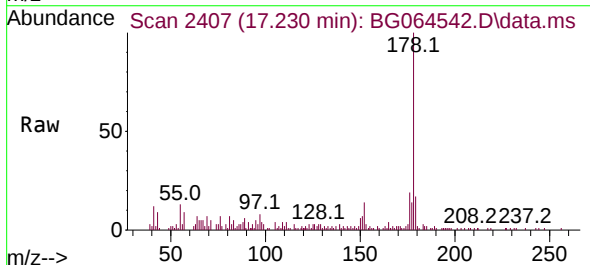
Instrument :  
BNA\_G  
ClientSampleId :  
PR132-SO1-039085-20251015

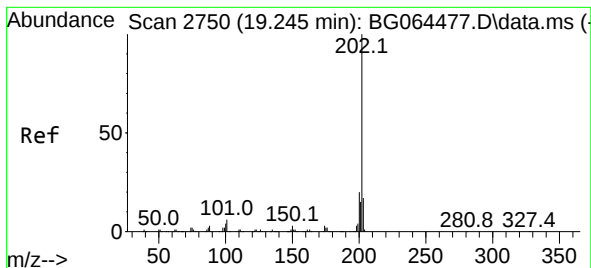
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.1  | 15.2  | 22.8  |
| 179     | 16.7  | 11.8  | 17.6  |



#72  
Anthracene  
Concen: 6.673 ng  
RT: 17.230 min Scan# 2407  
Delta R.T. -0.091 min  
Lab File: BG064542.D  
Acq: 17 Oct 2025 19:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.1  | 14.6  | 21.8  |
| 179     | 16.7  | 12.5  | 18.7  |





#75

Fluoranthene

Concen: 6.929 ng

RT: 19.252 min Scan# 21

Delta R.T. 0.015 min

Lab File: BG064542.D

Acq: 17 Oct 2025 19:12

Instrument :

BNA\_G

ClientSampleId :

PR132-SO1-039085-20251015

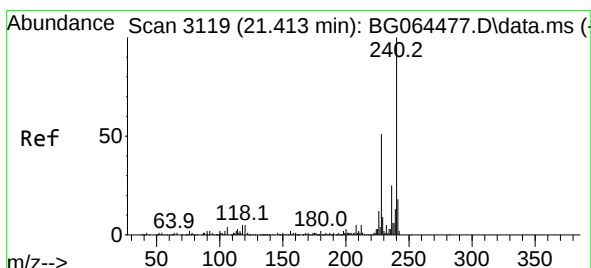
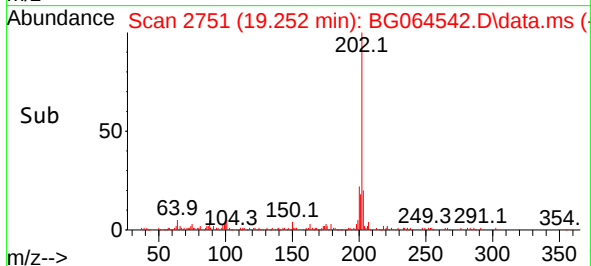
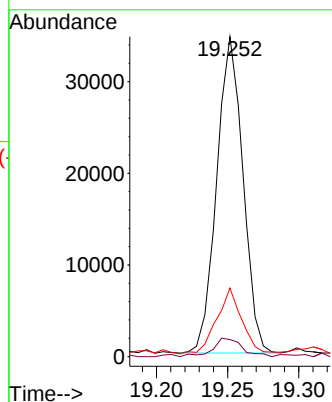
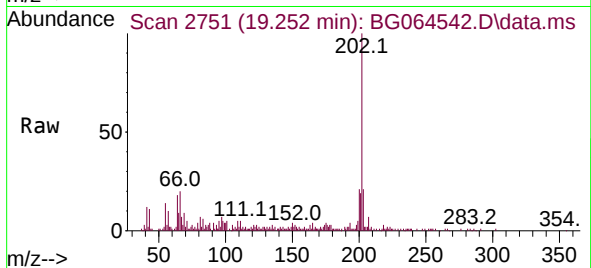
Tgt Ion:202 Resp: 44438

Ion Ratio Lower Upper

202 100

101 5.3 0.0 25.7

203 21.4 0.0 36.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.414 min Scan# 3119

Delta R.T. 0.004 min

Lab File: BG064542.D

Acq: 17 Oct 2025 19:12

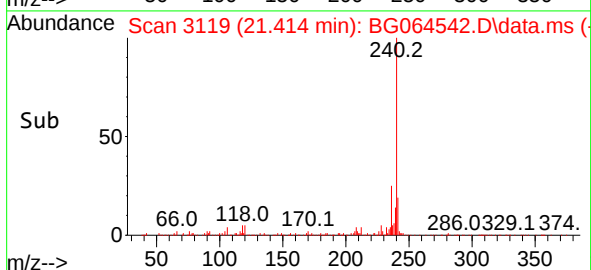
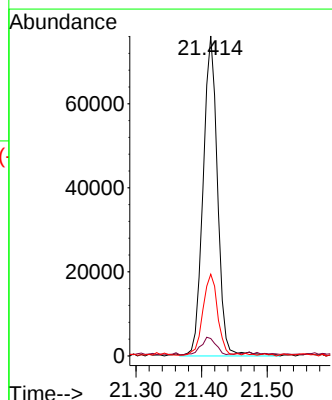
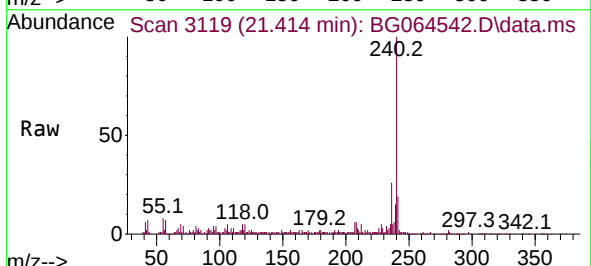
Tgt Ion:240 Resp: 115906

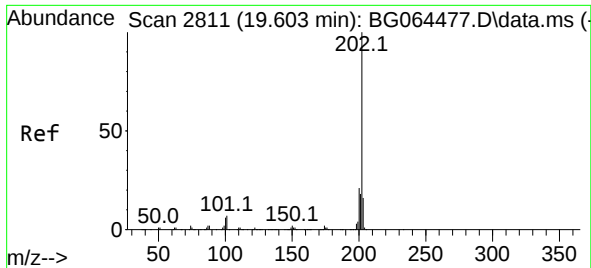
Ion Ratio Lower Upper

240 100

120 5.4 4.3 6.5

236 25.5 20.4 30.6

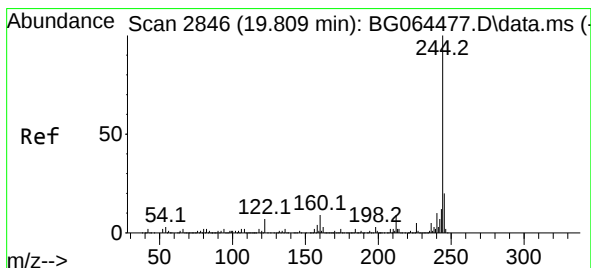
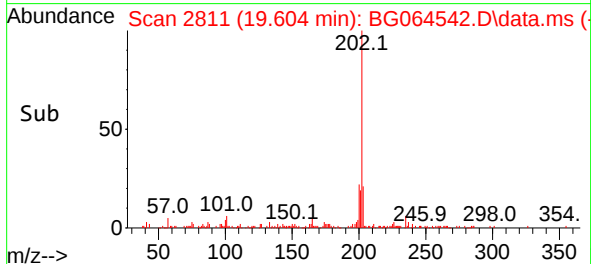
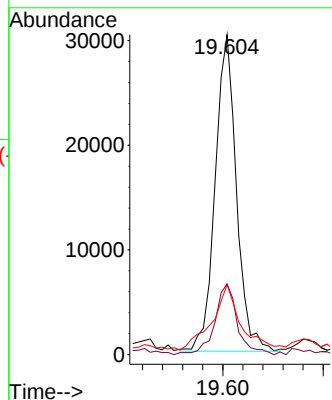
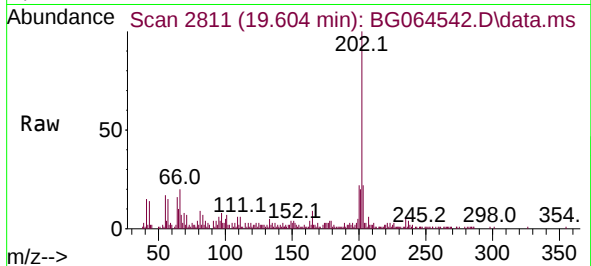




#78  
Pyrene  
Concen: 5.945 ng  
RT: 19.604 min Scan# 2811  
Delta R.T. 0.003 min  
Lab File: BG064542.D  
Acq: 17 Oct 2025 19:12

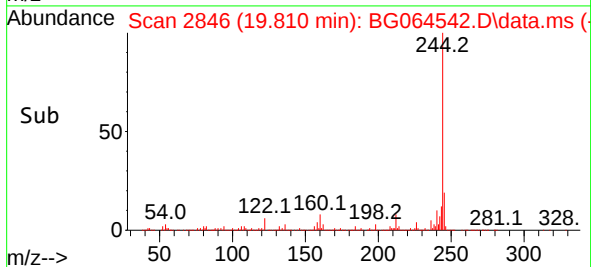
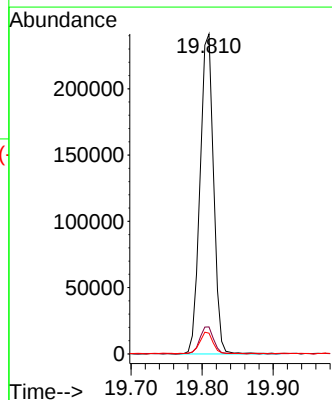
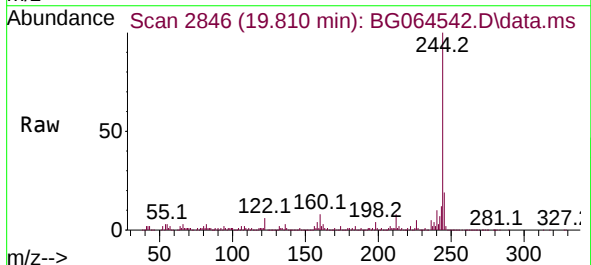
Instrument :  
BNA\_G  
ClientSampleId :  
PR132-SO1-039085-20251015

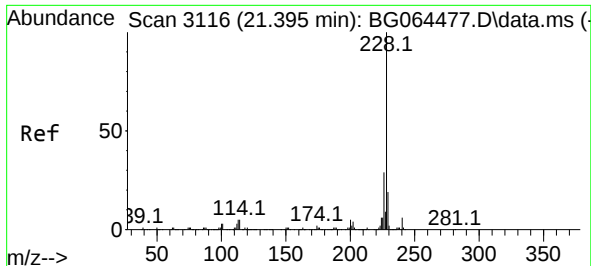
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 44716 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 200       | 22.1  | 17.0  | 25.4  |
| 203       | 21.8  | 13.0  | 19.4  |



#79  
Terphenyl-d14  
Concen: 51.893 ng  
RT: 19.810 min Scan# 2846  
Delta R.T. 0.003 min  
Lab File: BG064542.D  
Acq: 17 Oct 2025 19:12

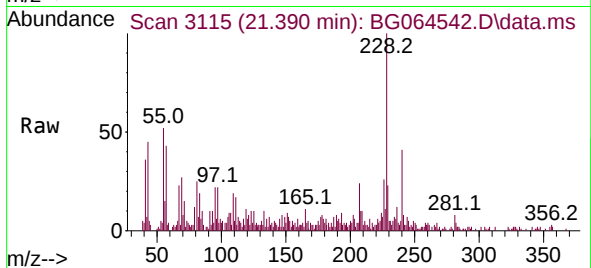
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 244   | Resp: | 317816 |
| Ion Ratio | Lower | Upper |        |
| 244       | 100   |       |        |
| 212       | 8.4   | 7.0   | 10.6   |
| 122       | 6.5   | 5.6   | 8.4    |



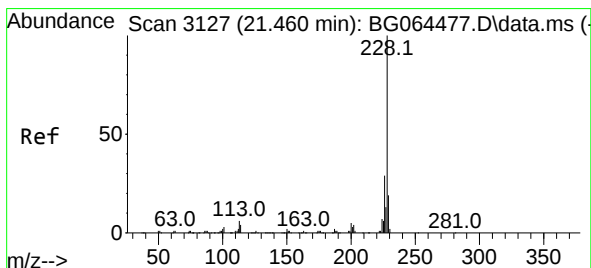
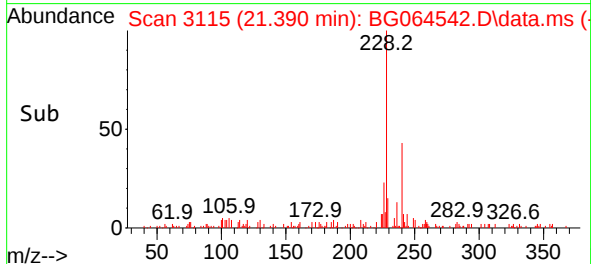
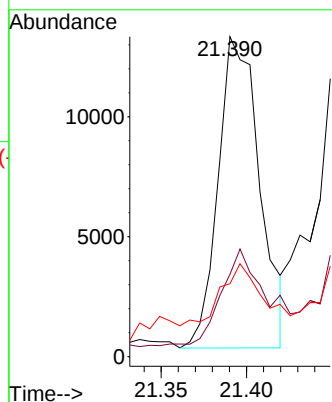


#81  
Benzo(a)anthracene  
Concen: 2.971 ng  
RT: 21.390 min Scan# 3115  
Delta R.T. -0.003 min  
Lab File: BG064542.D  
Acq: 17 Oct 2025 19:12

Instrument :  
BNA\_G  
ClientSampleId :  
PR132-SO1-039085-20251015

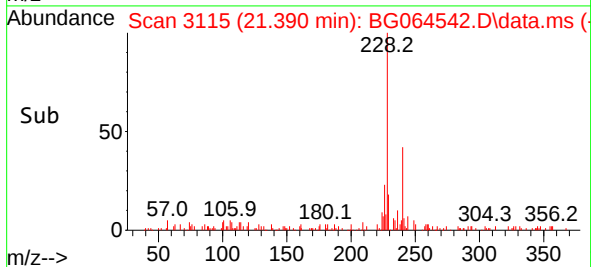
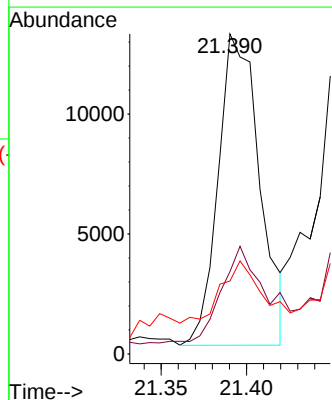
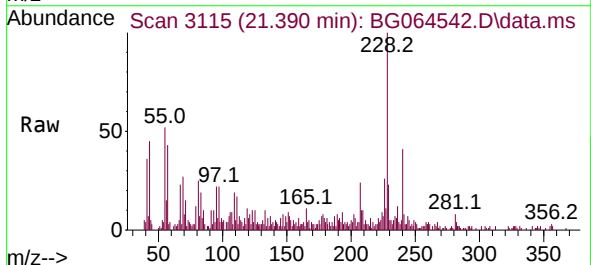


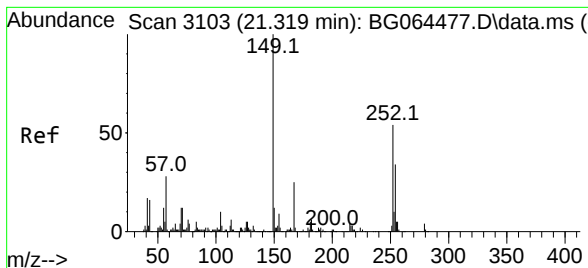
Tgt Ion:228 Resp: 21984  
Ion Ratio Lower Upper  
228 100  
226 25.7 22.8 34.2  
229 22.8 15.2 22.8



#83  
Chrysene  
Concen: 3.132 ng  
RT: 21.390 min Scan# 3115  
Delta R.T. -0.061 min  
Lab File: BG064542.D  
Acq: 17 Oct 2025 19:12

Tgt Ion:228 Resp: 21984  
Ion Ratio Lower Upper  
228 100  
226 25.7 22.8 34.2  
229 22.8 15.4 23.0

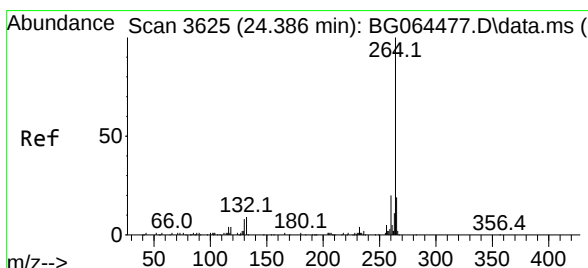
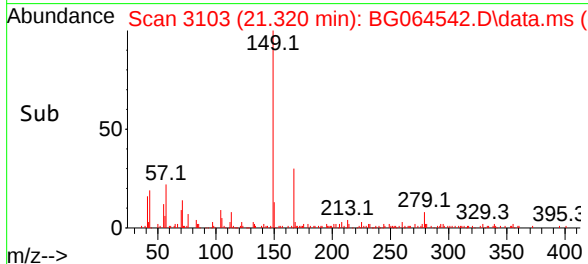
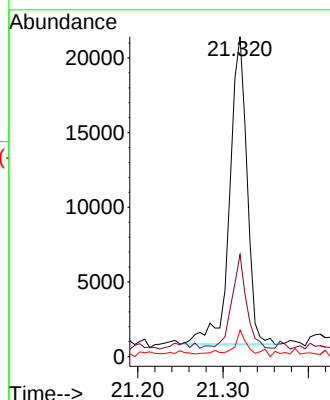
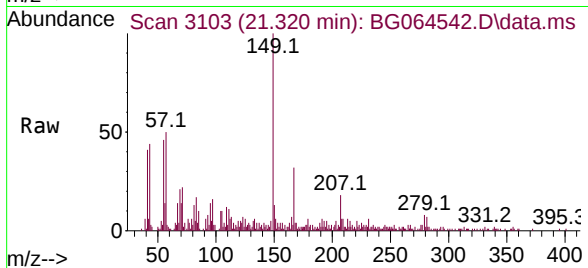




#84  
Bis(2-ethylhexyl)phthalate  
Concen: 7.692 ng  
RT: 21.320 min Scan# 3103  
Delta R.T. 0.003 min  
Lab File: BG064542.D  
Acq: 17 Oct 2025 19:12

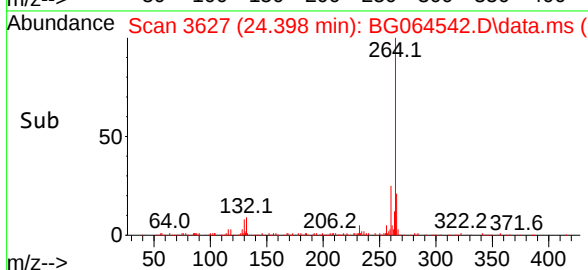
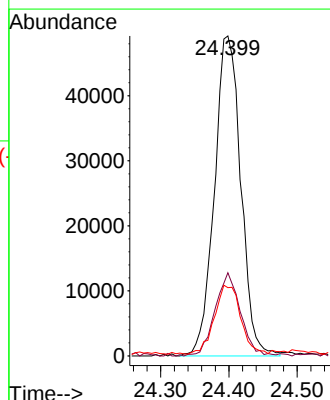
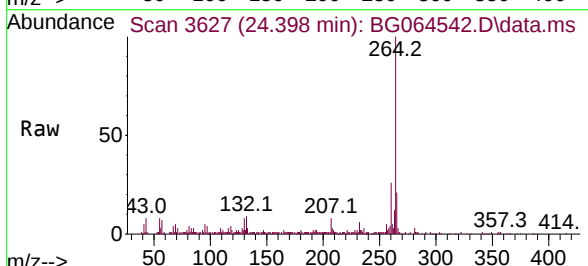
Instrument :  
BNA\_G  
ClientSampleId :  
PR132-SO1-039085-20251015

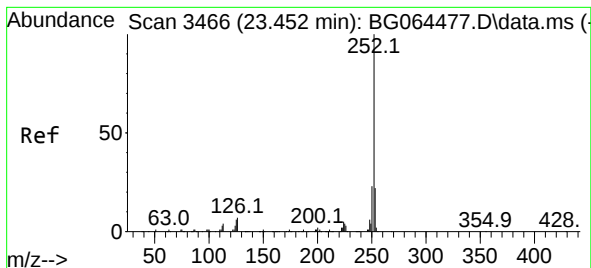
Tgt Ion:149 Resp: 28940  
Ion Ratio Lower Upper  
149 100  
167 31.9 19.7 29.5#  
279 8.3 3.4 5.2#



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 24.398 min Scan# 3627  
Delta R.T. 0.009 min  
Lab File: BG064542.D  
Acq: 17 Oct 2025 19:12

Tgt Ion:264 Resp: 131885  
Ion Ratio Lower Upper  
264 100  
260 26.0 16.2 24.4#  
265 21.3 15.0 22.4





#88

Benzo(b)fluoranthene

Concen: 3.773 ng

RT: 23.453 min Scan# 3466

Delta R.T. 0.003 min

Lab File: BG064542.D

Acq: 17 Oct 2025 19:12

Instrument :

BNA\_G

ClientSampleId :

PR132-SO1-039085-20251015

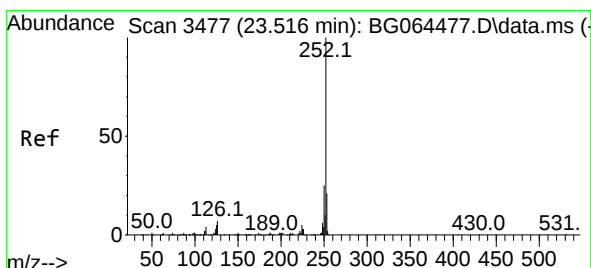
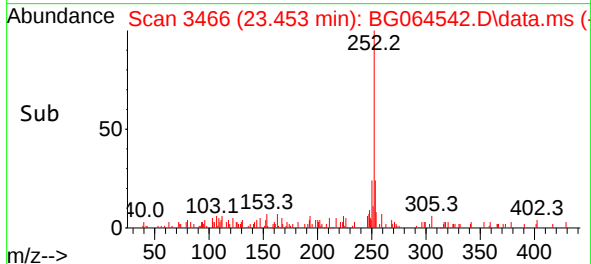
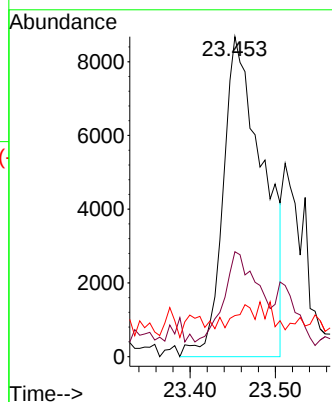
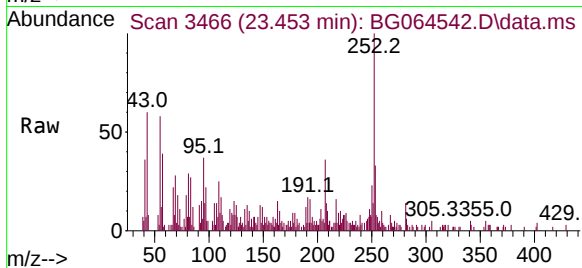
Tgt Ion:252 Resp: 28308

Ion Ratio Lower Upper

252 100

253 32.8 17.5 26.3#

125 12.8 4.5 6.7#



#89

Benzo(k)fluoranthene

Concen: 3.746 ng

RT: 23.453 min Scan# 3466

Delta R.T. -0.055 min

Lab File: BG064542.D

Acq: 17 Oct 2025 19:12

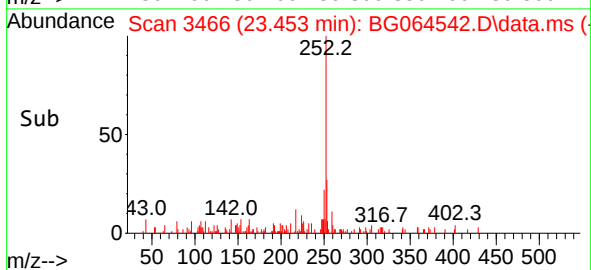
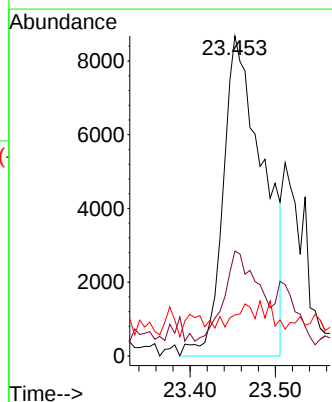
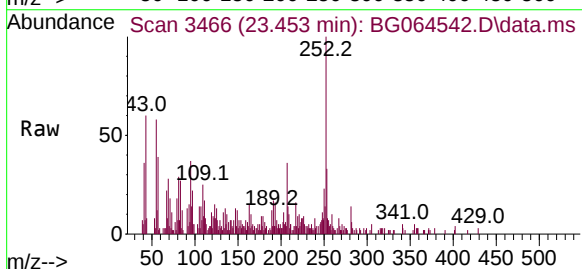
Tgt Ion:252 Resp: 28308

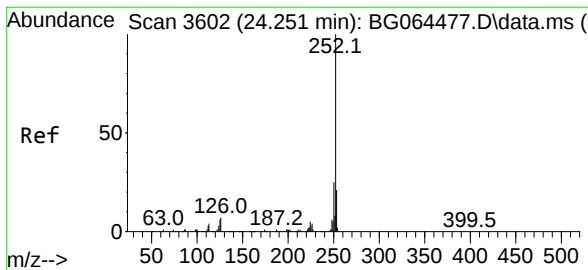
Ion Ratio Lower Upper

252 100

253 32.8 17.4 26.2#

125 12.8 4.0 6.0#





#90

Benzo(a)pyrene

Concen: 3.071 ng

RT: 24.263 min Scan# 30

Delta R.T. 0.015 min

Lab File: BG064542.D

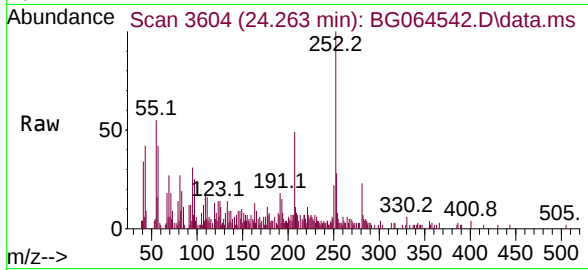
Acq: 17 Oct 2025 19:12

Instrument :

BNA\_G

ClientSampleId :

PR132-SO1-039085-20251015



Tgt Ion:252 Resp: 21239

Ion Ratio Lower Upper

252 100

253 28.0 17.1 25.7#

125 14.2 4.6 6.8#

