

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG122023\  
 Data File : BG060111.D  
 Acq On : 20 Dec 2023 23:15  
 Operator : MA/JU  
 Sample : 05796-01  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 RT-SB-04-10-11

Quant Time: Dec 21 02:43:01 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG121323.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 19 04:37:23 2023  
 Response via : Initial Calibration

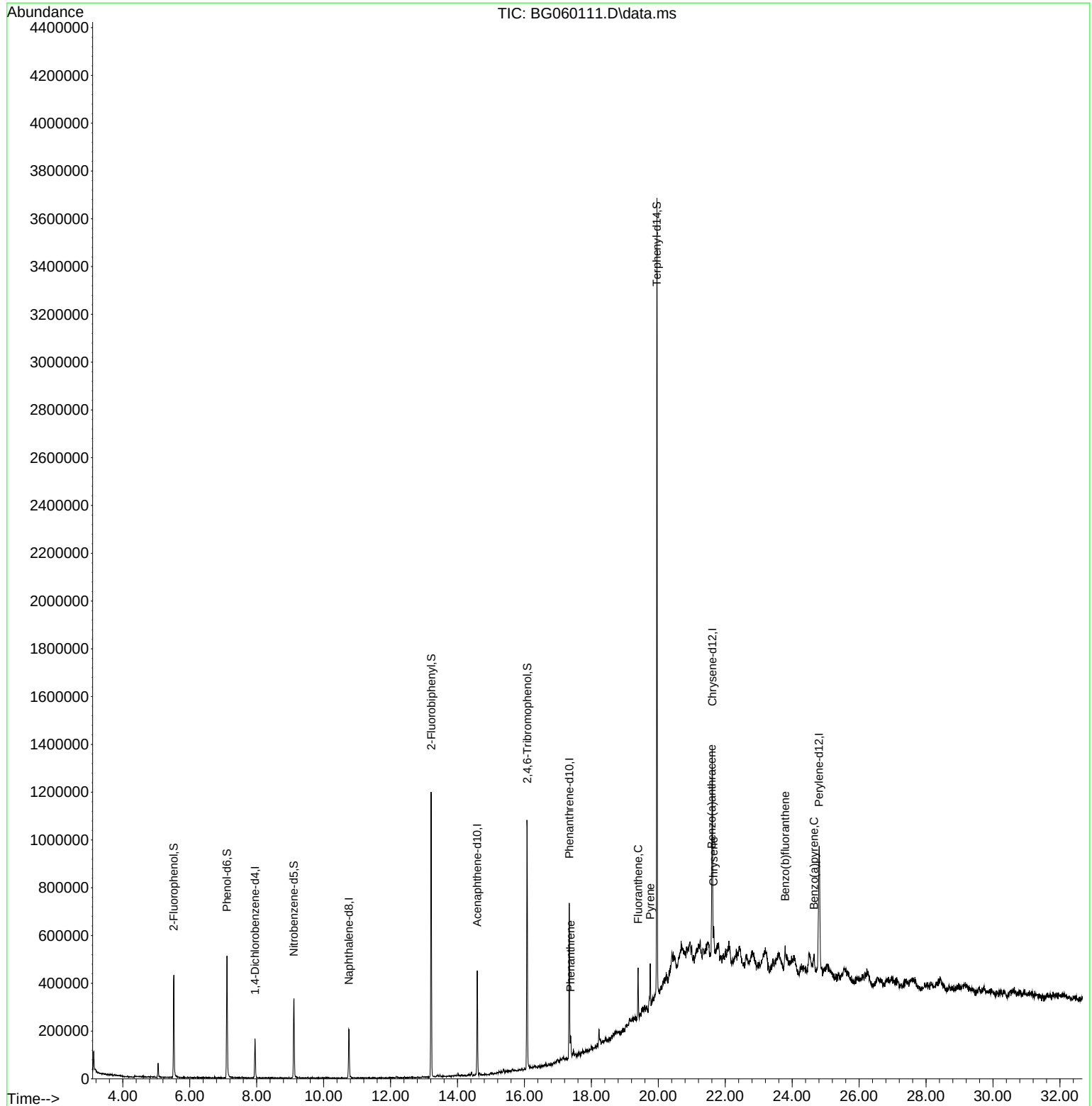
| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.950  | 152  | 38914    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.753 | 136  | 143085   | 20.000 | ng    | # 0.00   |
| 39) Acenaphthene-d10        | 14.590 | 164  | 148533   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.339 | 188  | 451229   | 20.000 | ng    | # 0.00   |
| 76) Chrysene-d12            | 21.611 | 240  | 593606   | 20.000 | ng    | # 0.00   |
| 86) Perylene-d12            | 24.801 | 264  | 714579   | 20.000 | ng    | -0.01    |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.524  | 112  | 135496   | 59.606 | ng    | 0.00     |
| 7) Phenol-d6                | 7.110  | 99   | 221957   | 69.413 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.108  | 82   | 187317   | 59.445 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 16.082 | 330  | 258734   | 74.746 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.215 | 172  | 656054   | 54.058 | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.960 | 244  | 1817580  | 55.902 | ng    | 0.00     |
| Target Compounds            |        |      |          |        |       |          |
|                             |        |      |          |        |       | Qvalue   |
| 71) Phenanthrene            | 17.381 | 178  | 64547    | 2.953  | ng    | 99       |
| 75) Fluoranthene            | 19.396 | 202  | 151904   | 4.763  | ng    | 97       |
| 78) Pyrene                  | 19.760 | 202  | 127610   | 3.546  | ng    | 98       |
| 81) Benzo(a)anthracene      | 21.593 | 228  | 85675    | 2.149  | ng    | # 94     |
| 83) Chrysene                | 21.652 | 228  | 92583    | 2.451  | ng    | # 92     |
| 88) Benzo(b)fluoranthene    | 23.791 | 252  | 130433   | 2.956  | ng    | # 95     |
| 90) Benzo(a)pyrene          | 24.654 | 252  | 84004    | 2.148  | ng    | # 85     |
| -----                       |        |      |          |        |       |          |

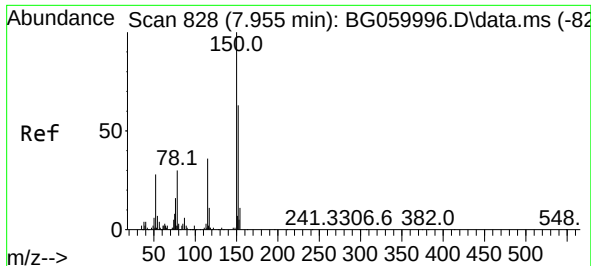
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG122023\  
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG121323.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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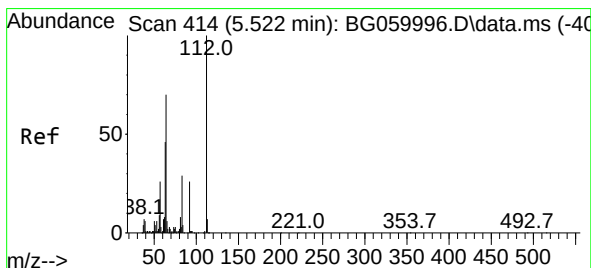
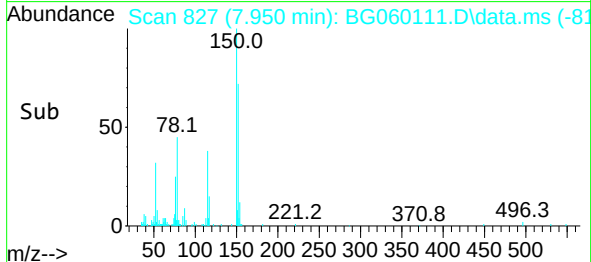
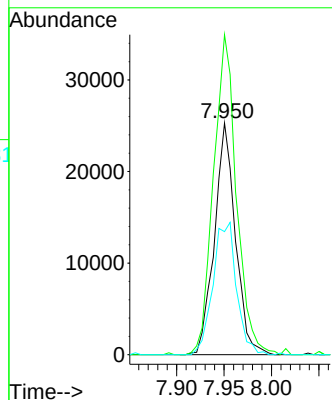
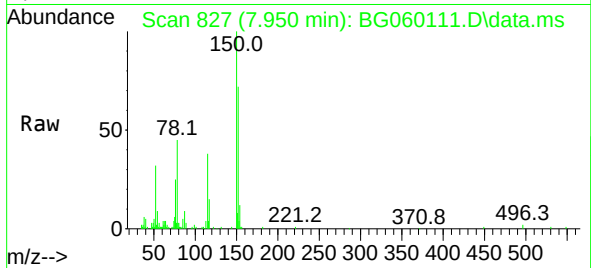




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.950 min Scan# 81  
Delta R.T. -0.009 min  
Lab File: BG060111.D  
Acq: 20 Dec 2023 23:15

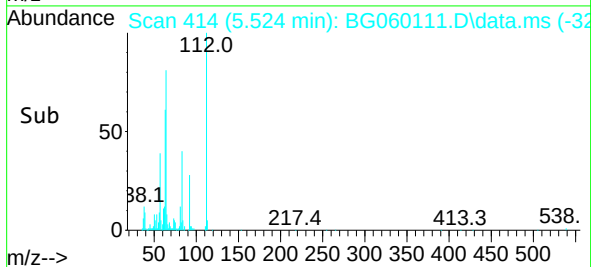
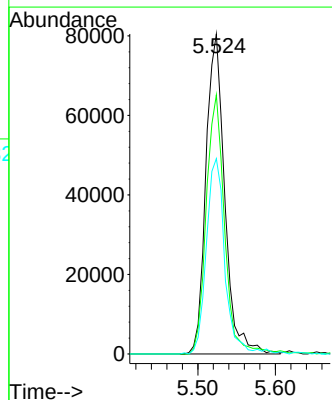
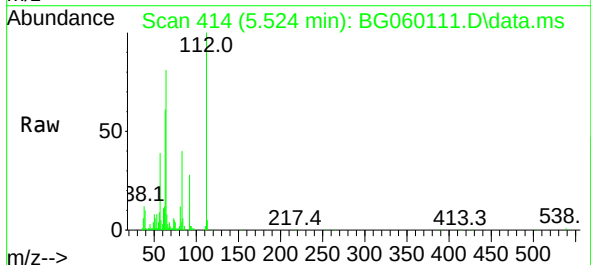
Instrument :  
BNA\_G  
ClientSampleId :  
RT-SB-04-10-11

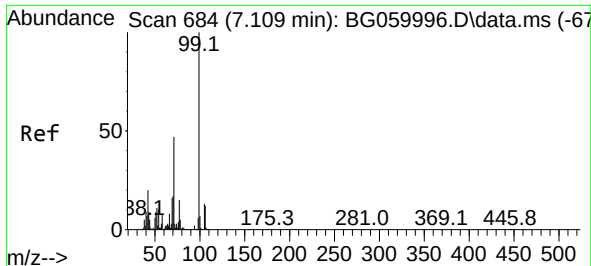
Tgt Ion:152 Resp: 38914  
Ion Ratio Lower Upper  
152 100  
150 138.1 127.0 190.6  
115 53.1 45.7 68.5



#5  
2-Fluorophenol  
Concen: 59.606 ng  
RT: 5.524 min Scan# 414  
Delta R.T. -0.002 min  
Lab File: BG060111.D  
Acq: 20 Dec 2023 23:15

Tgt Ion:112 Resp: 135496  
Ion Ratio Lower Upper  
112 100  
64 80.9 55.9 83.9  
63 61.1 36.5 54.7#

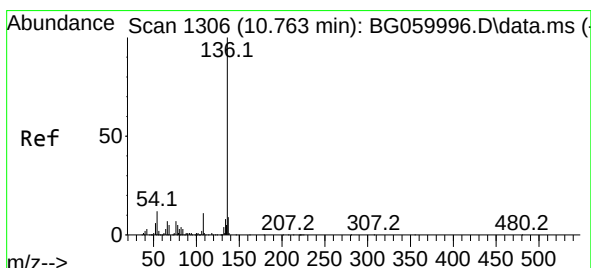
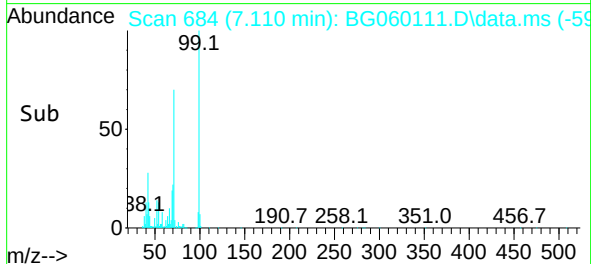
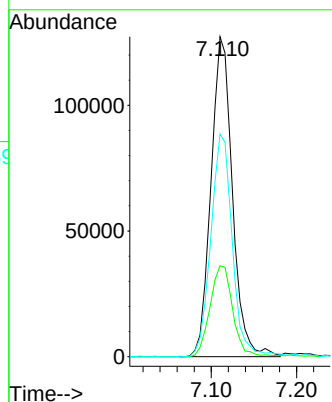
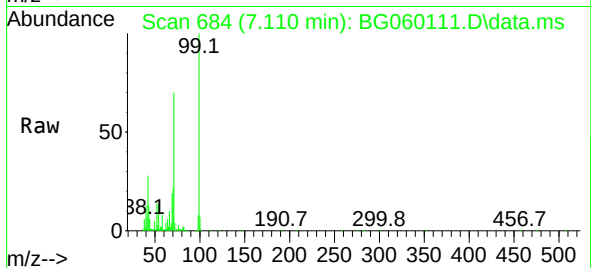




#7  
Phenol-d6  
Concen: 69.413 ng  
RT: 7.110 min Scan# 61  
Delta R.T. -0.002 min  
Lab File: BG060111.D  
Acq: 20 Dec 2023 23:15

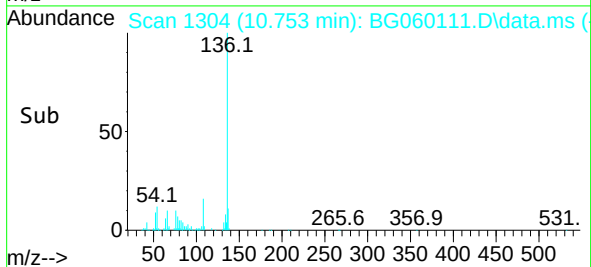
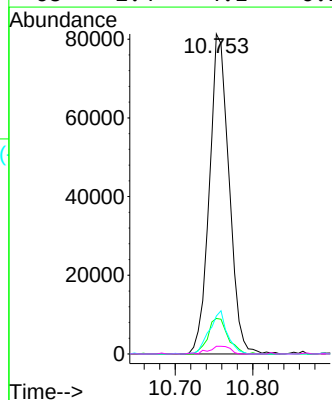
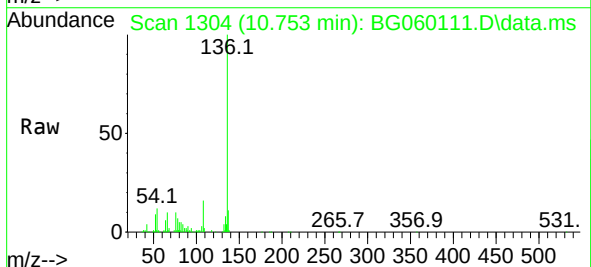
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BNA\_G  
ClientSampleId :  
RT-SB-04-10-11

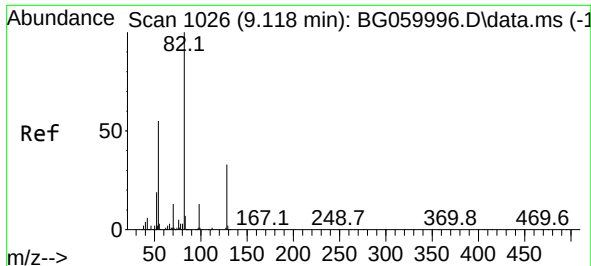
Tgt Ion: 99 Resp: 221957  
Ion Ratio Lower Upper  
99 100  
42 28.4 16.2 24.4#  
71 69.6 37.6 56.4#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.753 min Scan# 1304  
Delta R.T. -0.008 min  
Lab File: BG060111.D  
Acq: 20 Dec 2023 23:15

Tgt Ion: 136 Resp: 143085  
Ion Ratio Lower Upper  
136 100  
137 11.1 7.3 10.9#  
54 11.9 9.6 14.4  
68 2.4 4.1 6.1#





#23

Nitrobenzene-d5

Concen: 59.445 ng

RT: 9.108 min Scan# 1026

Delta R.T. -0.014 min

Lab File: BG060111.D

Acq: 20 Dec 2023 23:15

Instrument :

BNA\_G

ClientSampleId :

RT-SB-04-10-11

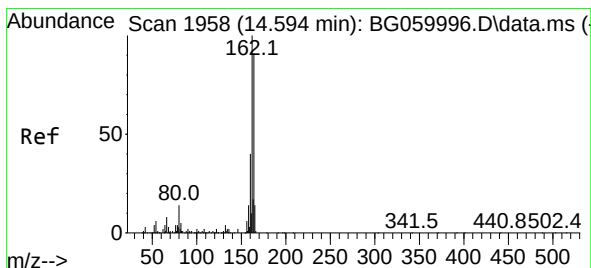
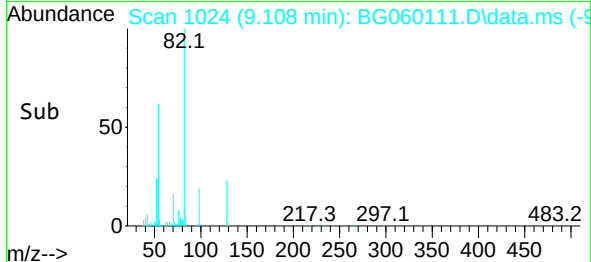
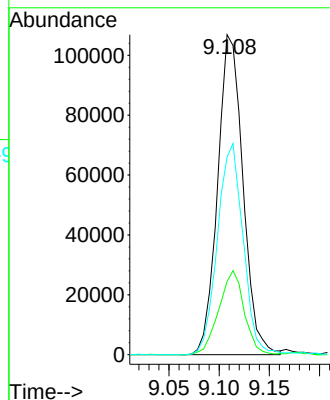
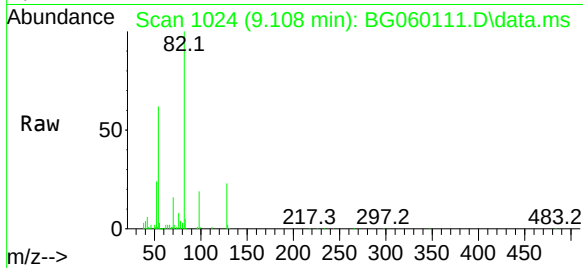
Tgt Ion: 82 Resp: 187317

Ion Ratio Lower Upper

82 100

128 22.9 26.3 39.5#

54 61.8 44.3 66.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.590 min Scan# 1957

Delta R.T. -0.008 min

Lab File: BG060111.D

Acq: 20 Dec 2023 23:15

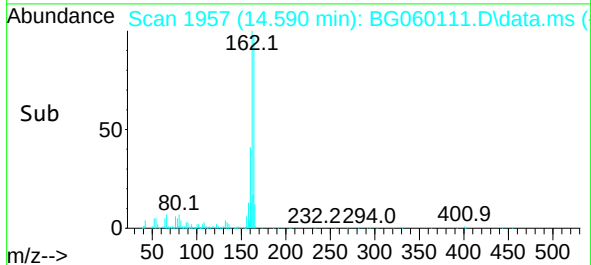
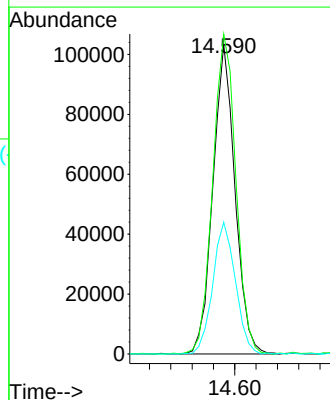
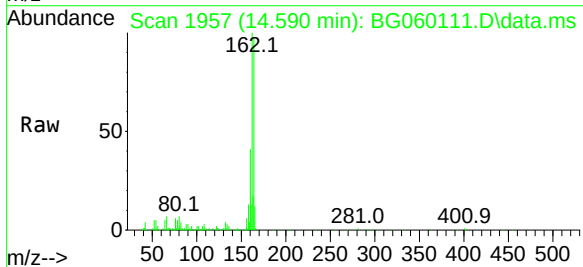
Tgt Ion:164 Resp: 148533

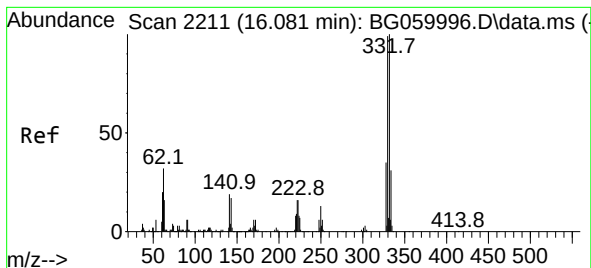
Ion Ratio Lower Upper

164 100

162 103.4 88.1 132.1

160 42.5 35.4 53.0

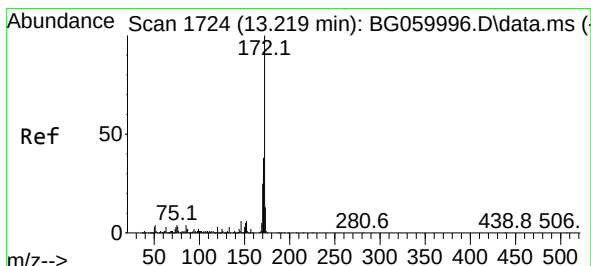
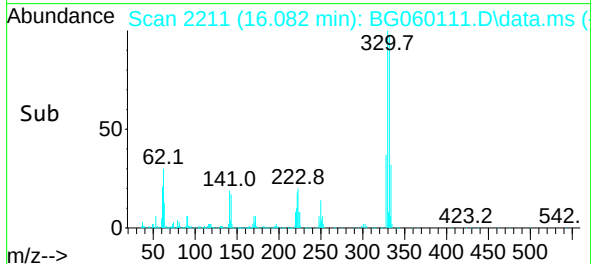
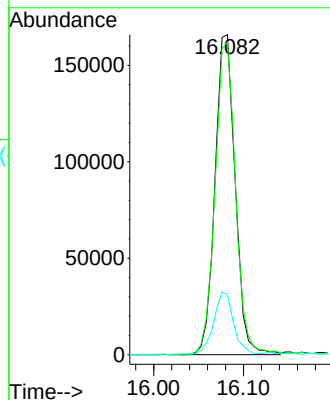
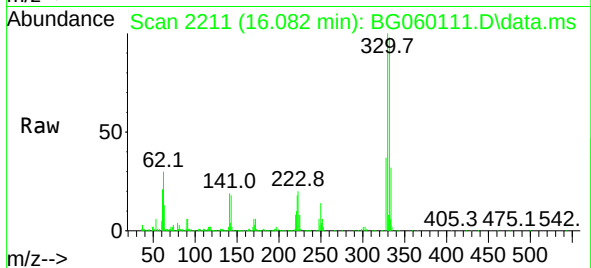




#42  
2,4,6-Tribromophenol  
Concen: 74.746 ng  
RT: 16.082 min Scan# 21  
Delta R.T. -0.002 min  
Lab File: BG060111.D  
Acq: 20 Dec 2023 23:15

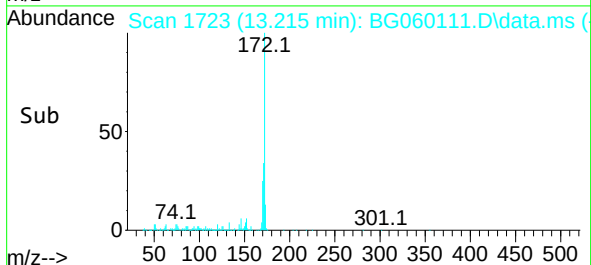
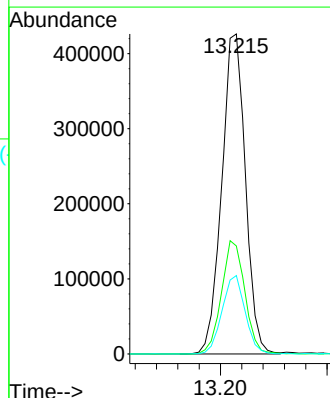
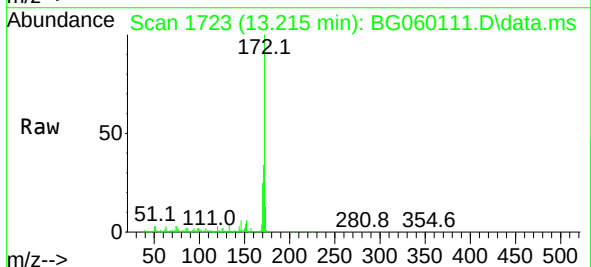
Instrument :  
BNA\_G  
ClientSampleId :  
RT-SB-04-10-11

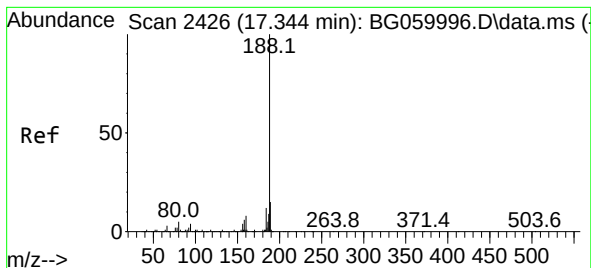
Tgt Ion:330 Resp: 258734  
Ion Ratio Lower Upper  
330 100  
332 99.4 76.2 114.4  
141 19.6 14.3 21.5



#45  
2-Fluorobiphenyl  
Concen: 54.058 ng  
RT: 13.215 min Scan# 1723  
Delta R.T. -0.002 min  
Lab File: BG060111.D  
Acq: 20 Dec 2023 23:15

Tgt Ion:172 Resp: 656054  
Ion Ratio Lower Upper  
172 100  
171 33.8 30.1 45.1  
170 24.5 20.0 30.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.339 min Scan# 2425

Delta R.T. -0.008 min

Lab File: BG060111.D

Acq: 20 Dec 2023 23:15

Instrument :

BNA\_G

ClientSampleId :

RT-SB-04-10-11

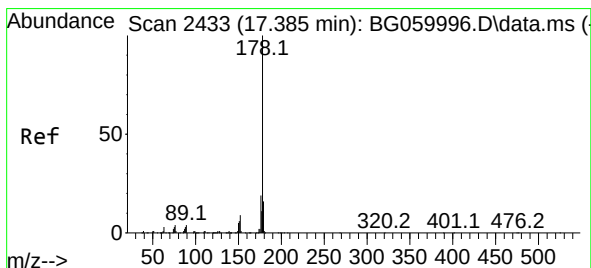
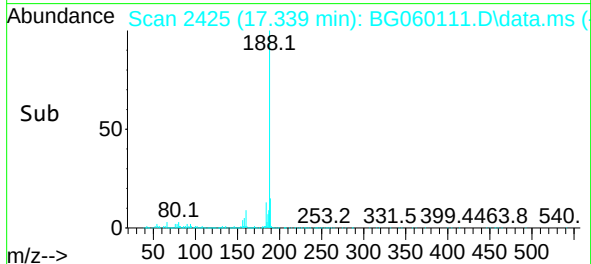
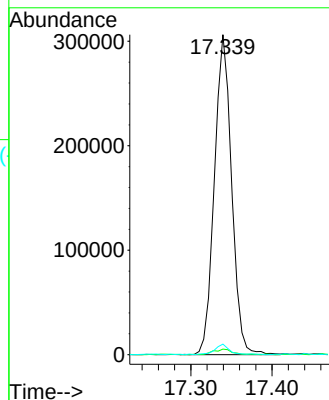
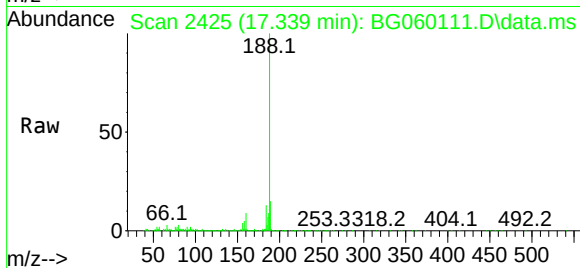
Tgt Ion:188 Resp: 451229

Ion Ratio Lower Upper

188 100

94 1.7 3.0 4.6#

80 3.3 4.0 6.0#



#71

Phenanthrene

Concen: 2.953 ng

RT: 17.381 min Scan# 2432

Delta R.T. -0.008 min

Lab File: BG060111.D

Acq: 20 Dec 2023 23:15

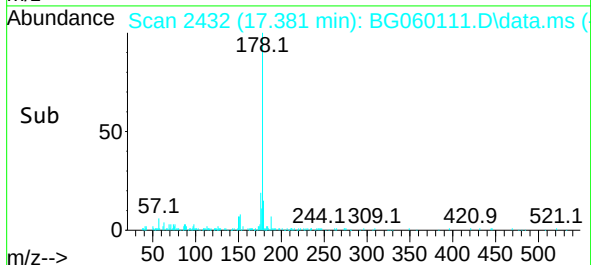
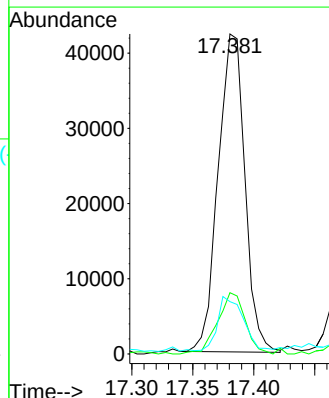
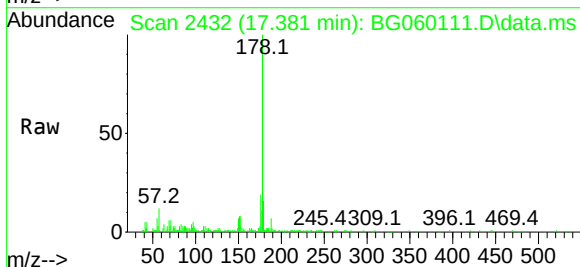
Tgt Ion:178 Resp: 64547

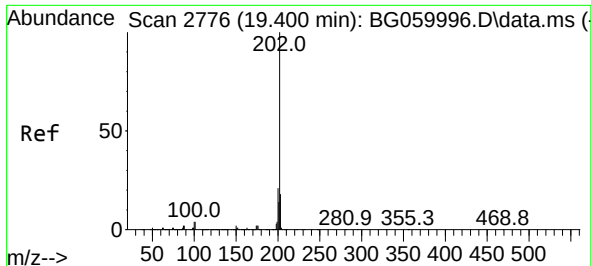
Ion Ratio Lower Upper

178 100

176 19.2 15.6 23.4

179 16.4 12.6 19.0

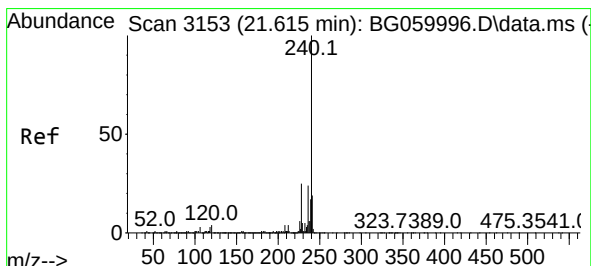
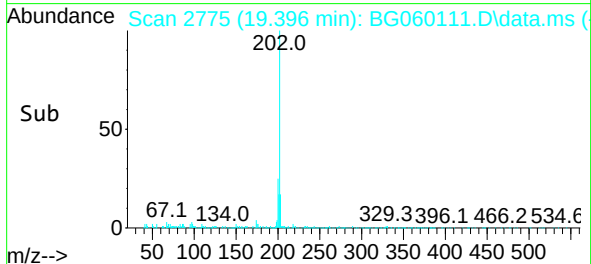
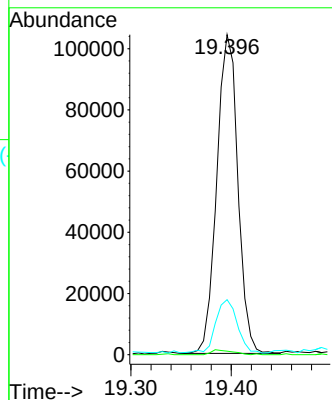
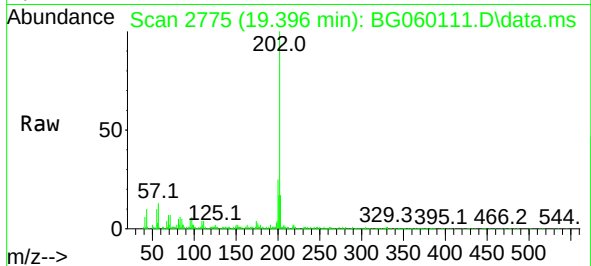




#75  
Fluoranthene  
Concen: 4.763 ng  
RT: 19.396 min Scan# 21  
Delta R.T. -0.008 min  
Lab File: BG060111.D  
Acq: 20 Dec 2023 23:15

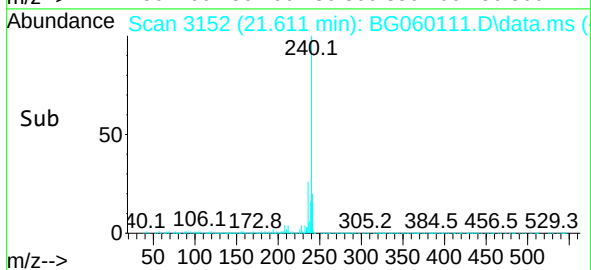
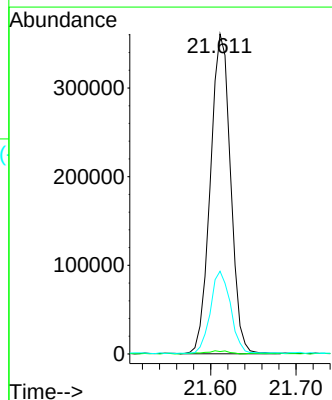
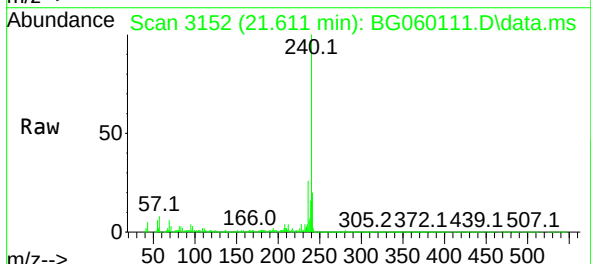
Instrument :  
BNA\_G  
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RT-SB-04-10-11

Tgt Ion:202 Resp: 151904  
Ion Ratio Lower Upper  
202 100  
101 1.1 0.0 24.2  
203 17.2 0.0 37.6

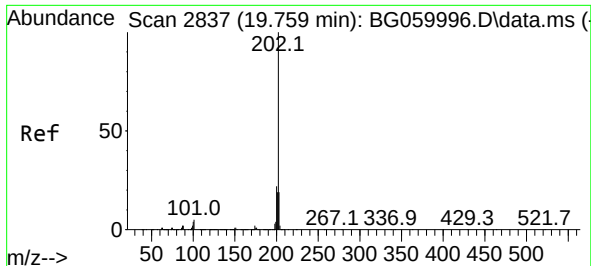


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.611 min Scan# 3152  
Delta R.T. -0.008 min  
Lab File: BG060111.D  
Acq: 20 Dec 2023 23:15

Tgt Ion:240 Resp: 593606  
Ion Ratio Lower Upper  
240 100  
120 0.7 2.9 4.3#  
236 25.9 19.4 29.2



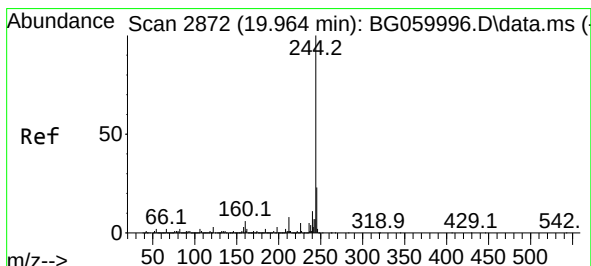
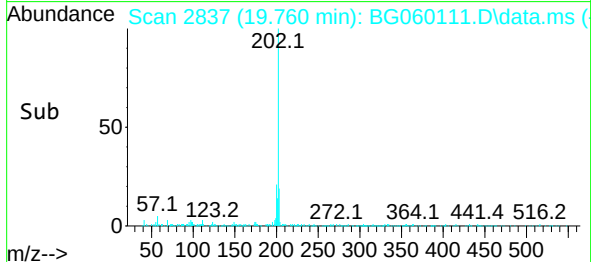
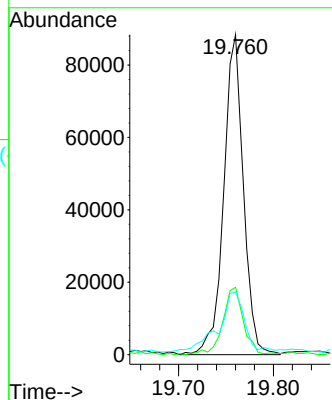
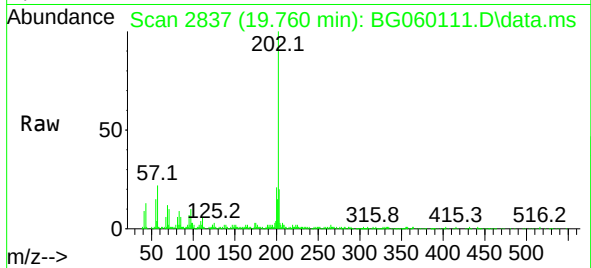




#78  
 Pyrene  
 Concen: 3.546 ng  
 RT: 19.760 min Scan# 2837  
 Delta R.T. -0.002 min  
 Lab File: BG060111.D  
 Acq: 20 Dec 2023 23:15

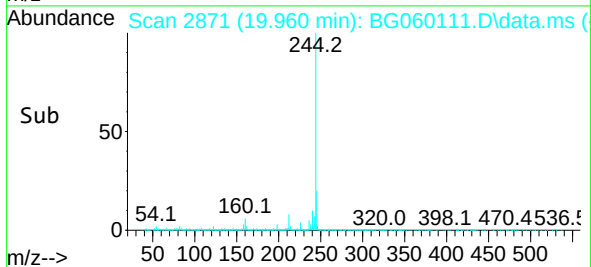
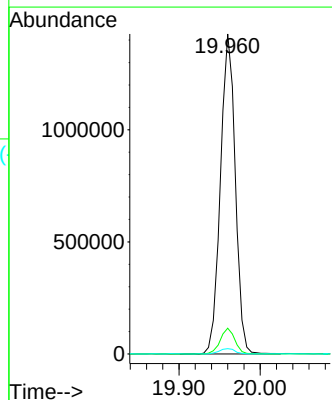
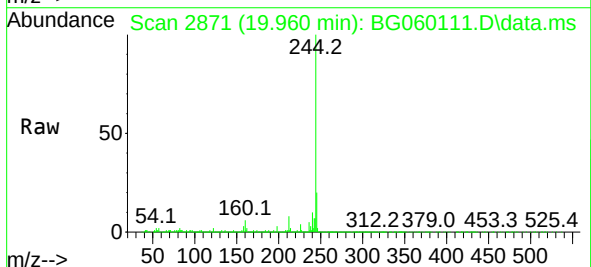
Instrument :  
 BNA\_G  
 ClientSampleId :  
 RT-SB-04-10-11

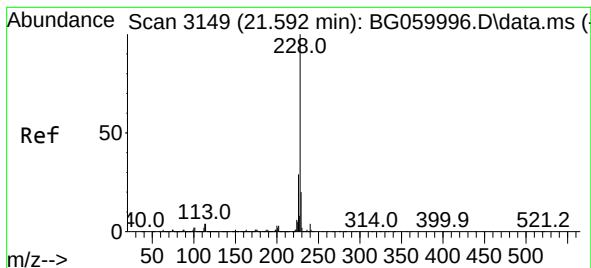
Tgt Ion:202 Resp: 127610  
 Ion Ratio Lower Upper  
 202 100  
 200 21.1 17.6 26.4  
 203 19.6 14.9 22.3



#79  
 Terphenyl-d14  
 Concen: 55.902 ng  
 RT: 19.960 min Scan# 2871  
 Delta R.T. -0.008 min  
 Lab File: BG060111.D  
 Acq: 20 Dec 2023 23:15

Tgt Ion:244 Resp: 1817580  
 Ion Ratio Lower Upper  
 244 100  
 212 8.1 6.8 10.2  
 122 1.6 2.6 3.8#





#81

Benzo(a)anthracene

Concen: 2.149 ng

RT: 21.593 min Scan# 3149

Delta R.T. -0.008 min

Lab File: BG060111.D

Acq: 20 Dec 2023 23:15

Instrument :

BNA\_G

ClientSampleId :

RT-SB-04-10-11

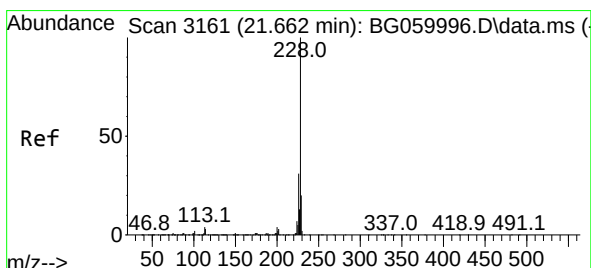
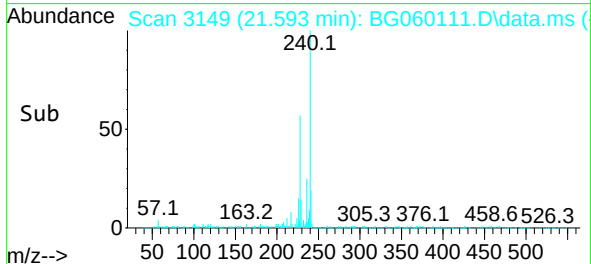
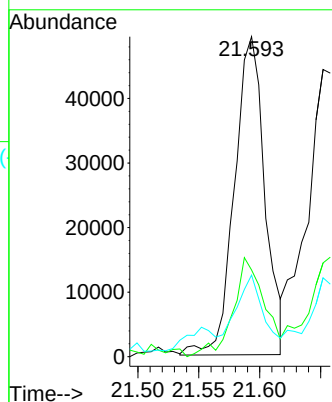
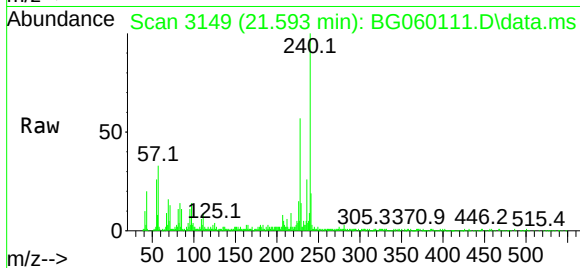
Tgt Ion:228 Resp: 85675

Ion Ratio Lower Upper

228 100

226 27.1 22.9 34.3

229 25.5 16.2 24.2#



#83

Chrysene

Concen: 2.451 ng

RT: 21.652 min Scan# 3159

Delta R.T. -0.014 min

Lab File: BG060111.D

Acq: 20 Dec 2023 23:15

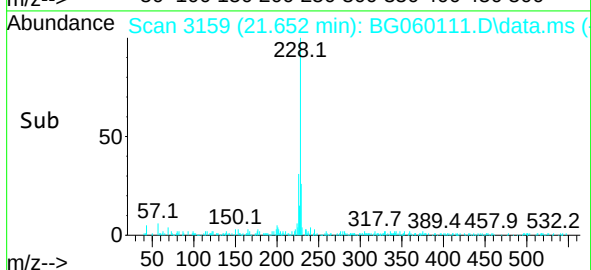
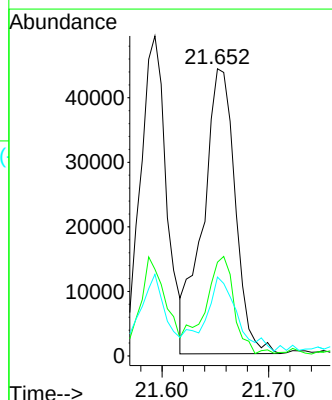
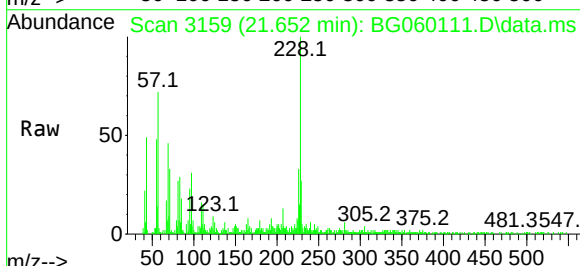
Tgt Ion:228 Resp: 92583

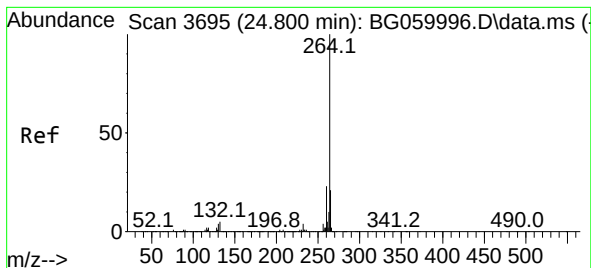
Ion Ratio Lower Upper

228 100

226 32.6 25.0 37.6

229 27.4 16.2 24.2#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.801 min Scan# 3

Delta R.T. -0.014 min

Lab File: BG060111.D

Acq: 20 Dec 2023 23:15

Instrument :

BNA\_G

ClientSampleId :

RT-SB-04-10-11

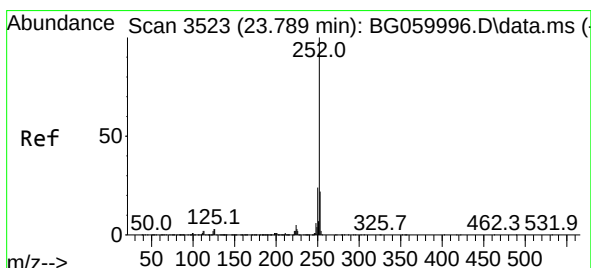
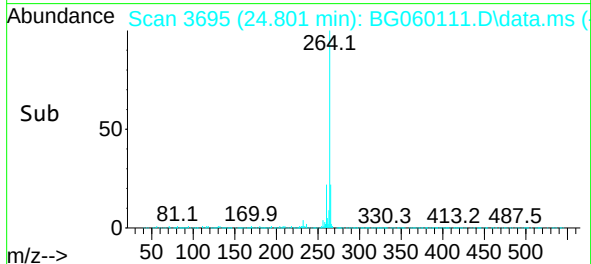
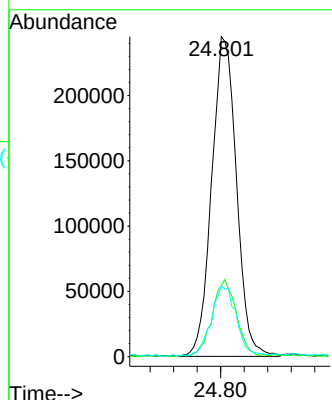
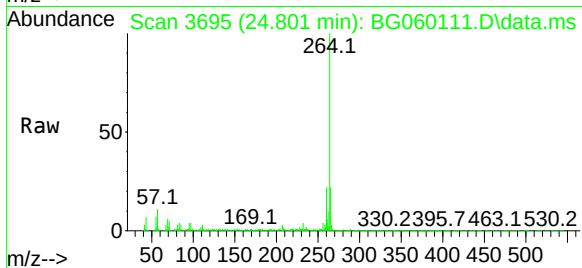
Tgt Ion:264 Resp: 714579

Ion Ratio Lower Upper

264 100

260 22.2 18.5 27.7

265 22.1 17.3 25.9



#88

Benzo(b)fluoranthene

Concen: 2.956 ng

RT: 23.791 min Scan# 3523

Delta R.T. -0.008 min

Lab File: BG060111.D

Acq: 20 Dec 2023 23:15

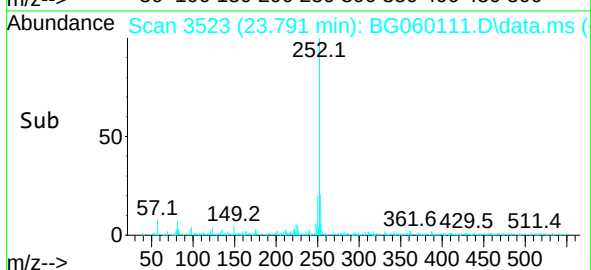
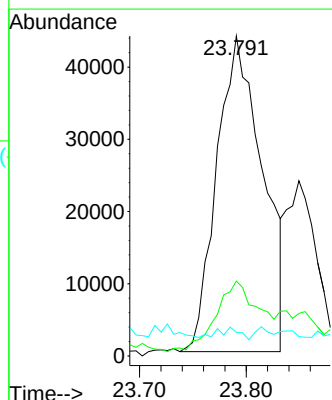
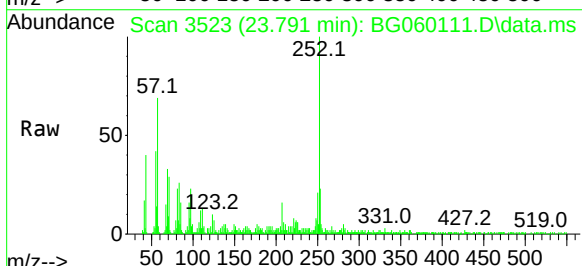
Tgt Ion:252 Resp: 130433

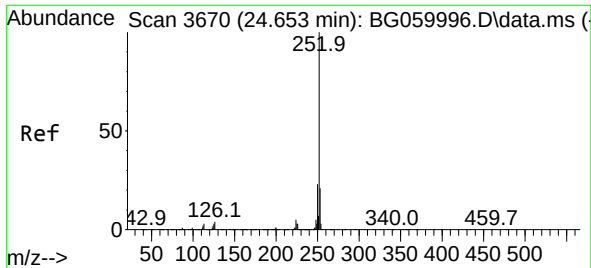
Ion Ratio Lower Upper

252 100

253 23.4 17.4 26.2

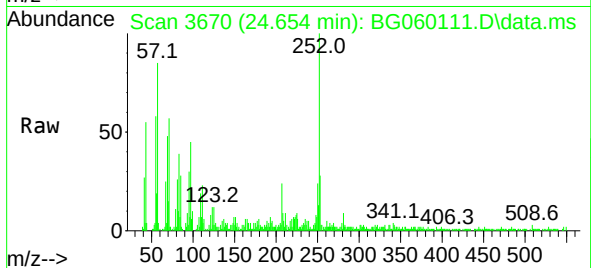
125 7.4 2.6 4.0#





#90  
 Benzo(a)pyrene  
 Concen: 2.148 ng  
 RT: 24.654 min Scan# 30  
 Delta R.T. -0.008 min  
 Lab File: BG060111.D  
 Acq: 20 Dec 2023 23:15

Instrument :  
 BNA\_G  
 ClientSampleId :  
 RT-SB-04-10-11



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 27.8  | 17.1  | 25.7# |
| 125     | 12.3  | 2.6   | 4.0#  |

