

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG112023\  
 Data File : BG059783.D  
 Acq On : 21 Nov 2023 00:32  
 Operator : MA/JU  
 Sample : 05379-01  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 WC-9

Quant Time: Nov 21 09:54:11 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG111623.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 17 01:51:38 2023  
 Response via : Initial Calibration

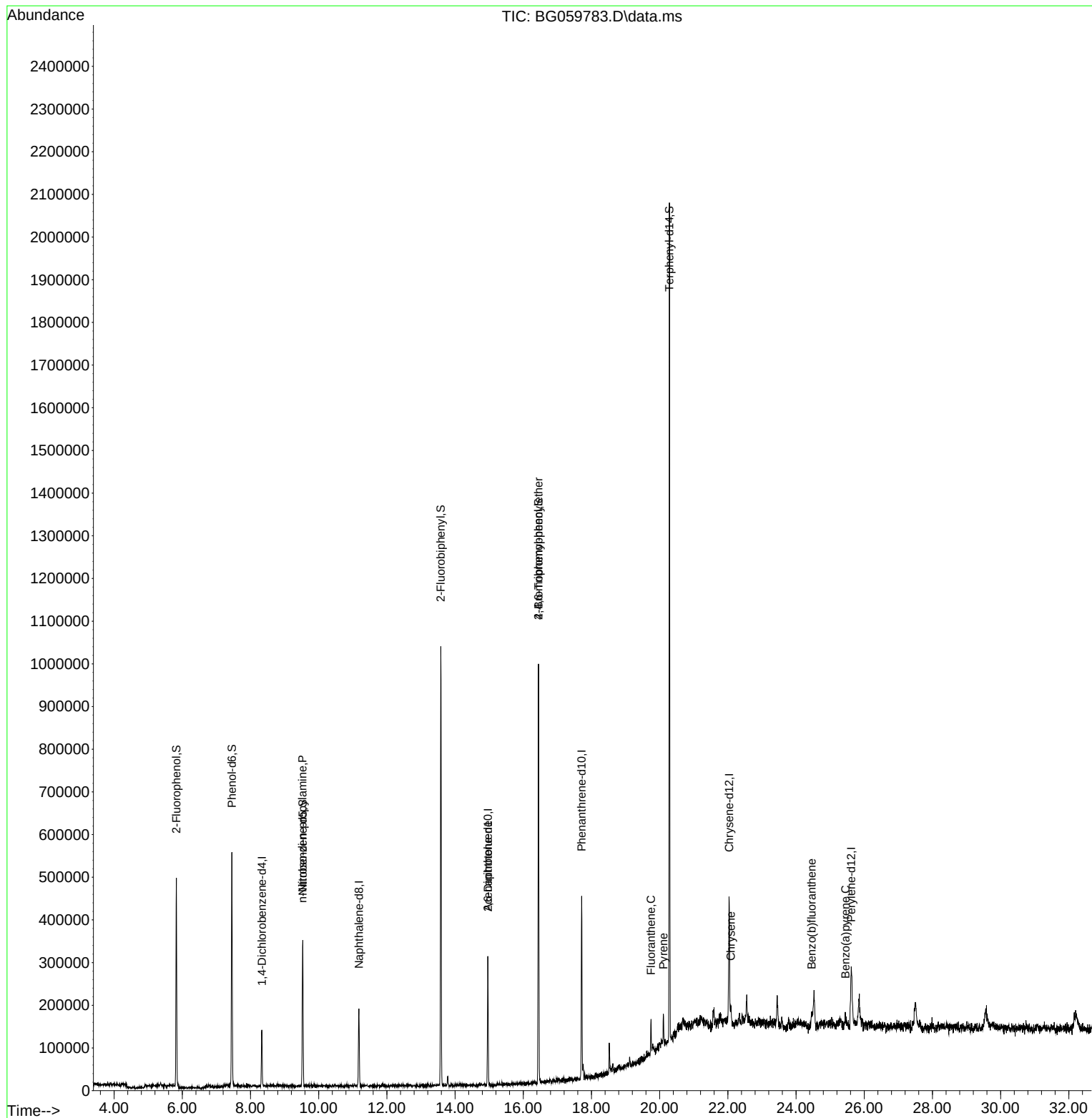
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.334  | 152  | 27335    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 11.184 | 136  | 130226   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.962 | 164  | 89342    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.712 | 188  | 223503   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 22.036 | 240  | 163122   | 20.000  | ng    | #-0.01   |
| 86) Perylene-d12              | 25.620 | 264  | 181800   | 20.000  | ng    | #-0.01   |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.826  | 112  | 162776   | 100.228 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.453  | 99   | 235120   | 97.695  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.533  | 82   | 212245   | 62.246  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.448 | 330  | 132031   | 130.247 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.581 | 172  | 433403   | 65.297  | ng    | -0.01    |
| 79) Terphenyl-d14             | 20.285 | 244  | 758415   | 68.636  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 9.527  | 70   | 37254    | 19.657  | ng    | # 76     |
| 51) 2,6-Dinitrotoluene        | 14.962 | 165  | 13275    | 10.107  | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 16.448 | 248  | 8560     | 3.565   | ng    | # 1      |
| 75) Fluoranthene              | 19.745 | 202  | 47996    | 3.522   | ng    | 99       |
| 78) Pyrene                    | 20.109 | 202  | 42254    | 3.807   | ng    | # 90     |
| 83) Chrysene                  | 22.089 | 228  | 26160    | 2.557   | ng    | # 68     |
| 88) Benzo(b)fluoranthene      | 24.457 | 252  | 38332    | 3.847   | ng    | # 98     |
| 90) Benzo(a)pyrene            | 25.450 | 252  | 25572    | 2.405   | ng    | # 92     |
| -----                         |        |      |          |         |       |          |

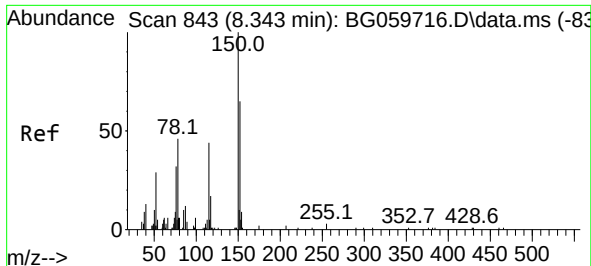
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG112023\  
Data File : BG059783.D  
Acq On : 21 Nov 2023 00:32  
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Sample : 05379-01  
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Instrument :  
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Quant Time: Nov 21 09:54:11 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG111623.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Nov 17 01:51:38 2023  
Response via : Initial Calibration

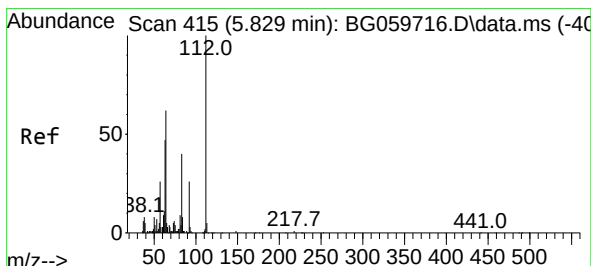
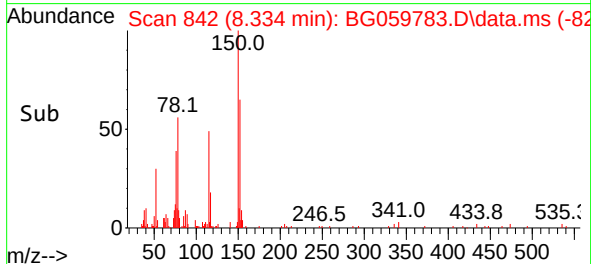
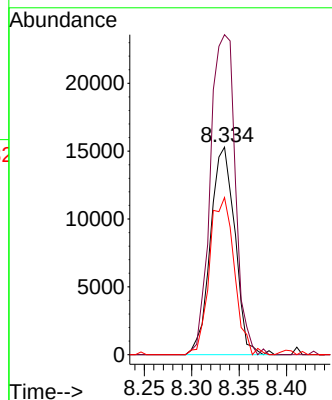
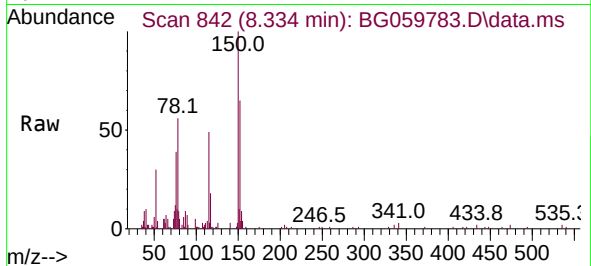




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.334 min Scan# 84  
Delta R.T. -0.009 min  
Lab File: BG059783.D  
Acq: 21 Nov 2023 00:32

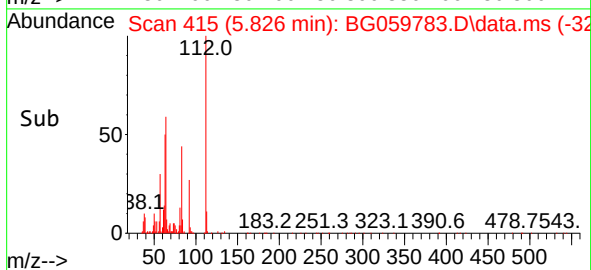
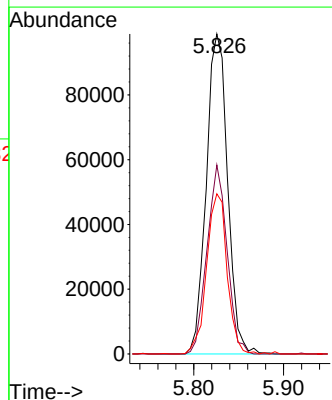
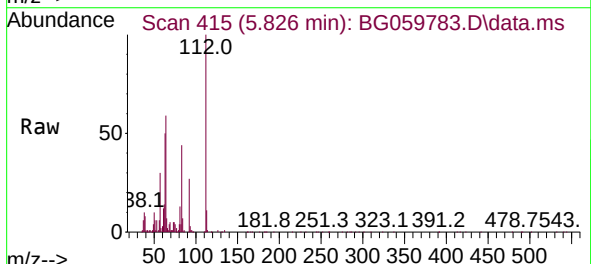
Instrument :  
BNA\_G  
ClientSampleId :  
WC-9

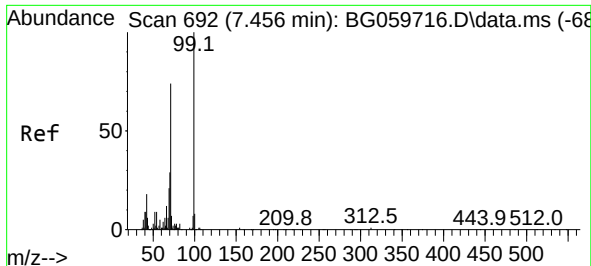
Tgt Ion:152 Resp: 27335  
Ion Ratio Lower Upper  
152 100  
150 154.2 122.2 183.4  
115 75.8 54.2 81.4



#5  
2-Fluorophenol  
Concen: 100.228 ng  
RT: 5.826 min Scan# 415  
Delta R.T. -0.003 min  
Lab File: BG059783.D  
Acq: 21 Nov 2023 00:32

Tgt Ion:112 Resp: 162776  
Ion Ratio Lower Upper  
112 100  
64 59.0 49.5 74.3  
63 50.1 37.4 56.2

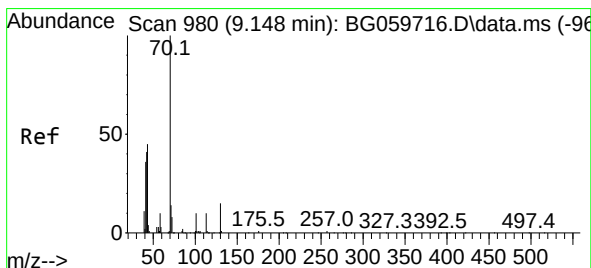
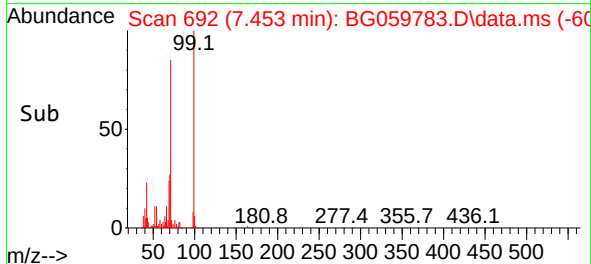
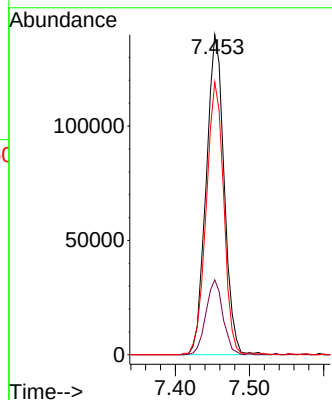
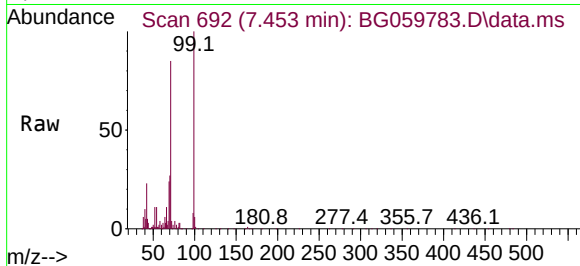




#7  
Phenol-d6  
Concen: 97.695 ng  
RT: 7.453 min Scan# 61  
Delta R.T. -0.003 min  
Lab File: BG059783.D  
Acq: 21 Nov 2023 00:32

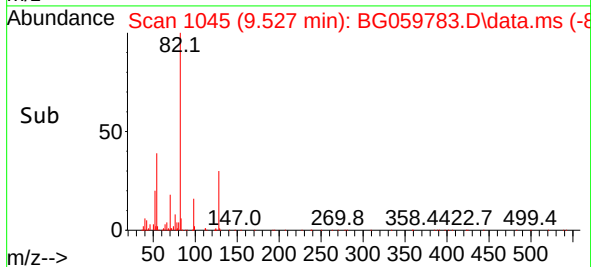
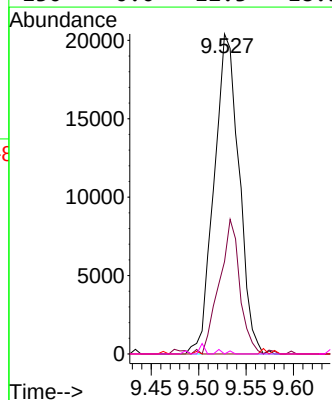
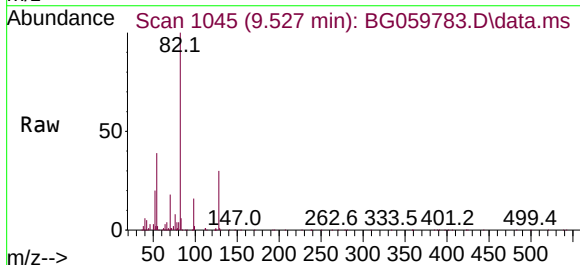
Instrument :  
BNA\_G  
ClientSampleId :  
WC-9

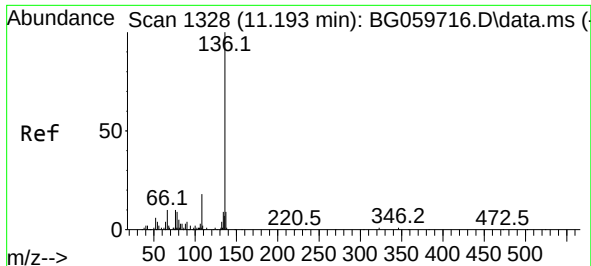
Tgt Ion: 99 Resp: 235120  
Ion Ratio Lower Upper  
99 100  
42 23.4 14.3 21.5#  
71 85.3 59.3 88.9



#19  
n-Nitroso-di-n-propylamine  
Concen: 19.657 ng  
RT: 9.527 min Scan# 1045  
Delta R.T. 0.379 min  
Lab File: BG059783.D  
Acq: 21 Nov 2023 00:32

Tgt Ion: 70 Resp: 37254  
Ion Ratio Lower Upper  
70 100  
42 28.9 32.8 49.2#  
101 0.0 7.7 11.5#  
130 0.0 12.3 18.5#

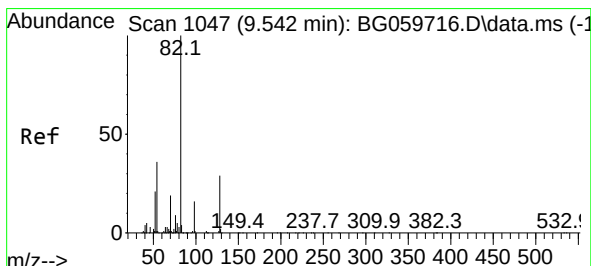
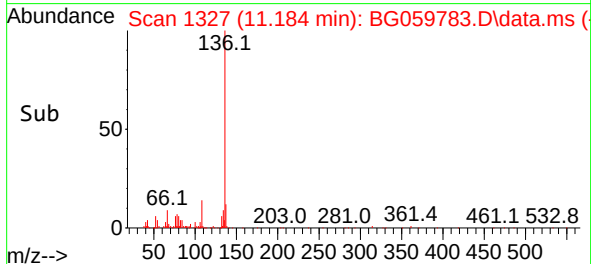
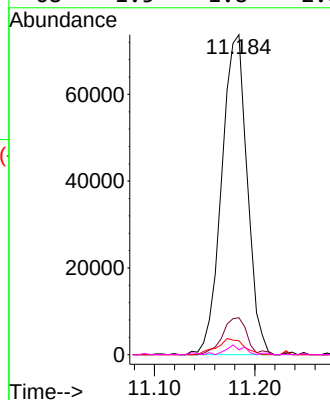
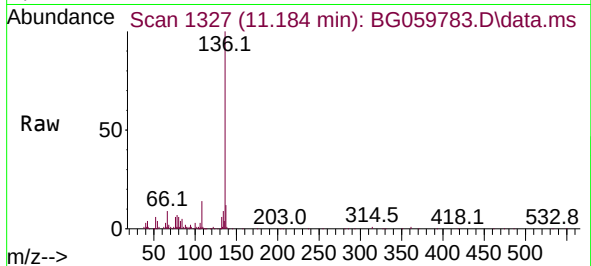




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.184 min Scan# 111  
Delta R.T. -0.009 min  
Lab File: BG059783.D  
Acq: 21 Nov 2023 00:32

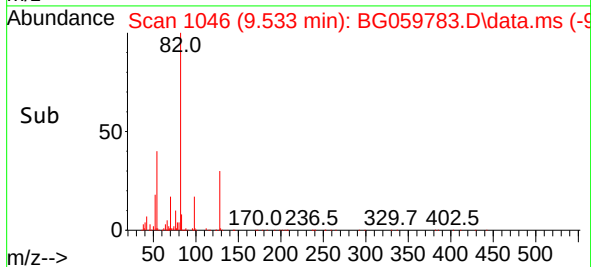
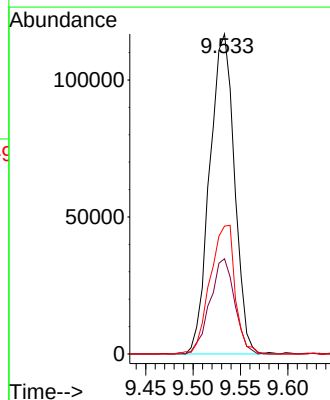
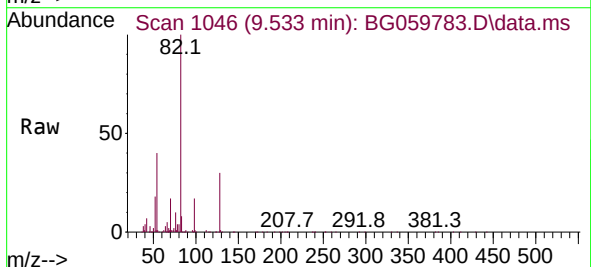
Instrument :  
BNA\_G  
ClientSampleId :  
WC-9

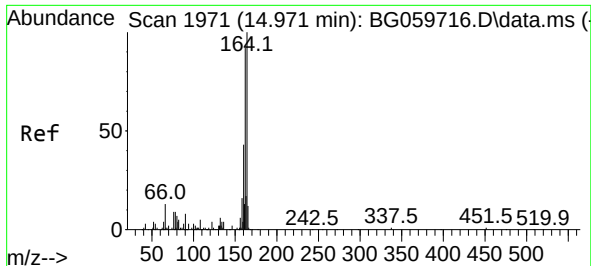
Tgt Ion:136 Resp: 130226  
Ion Ratio Lower Upper  
136 100  
137 11.5 7.4 11.0#  
54 4.4 3.1 4.7  
68 1.5 1.8 2.8#



#23  
Nitrobenzene-d5  
Concen: 62.246 ng  
RT: 9.533 min Scan# 1046  
Delta R.T. -0.009 min  
Lab File: BG059783.D  
Acq: 21 Nov 2023 00:32

Tgt Ion: 82 Resp: 212245  
Ion Ratio Lower Upper  
82 100  
128 29.7 23.0 34.6  
54 40.0 28.7 43.1

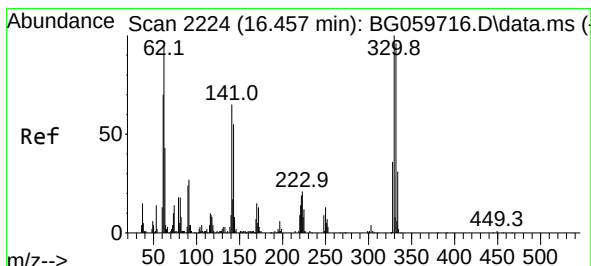
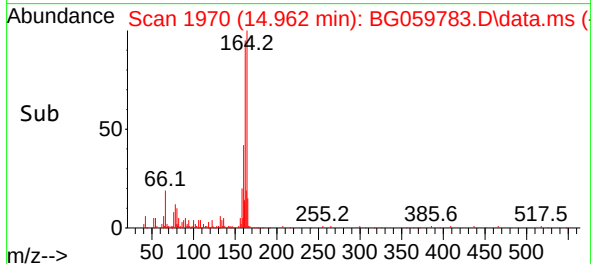
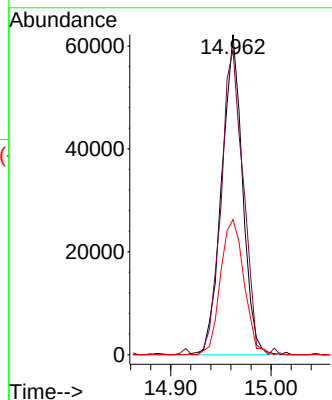
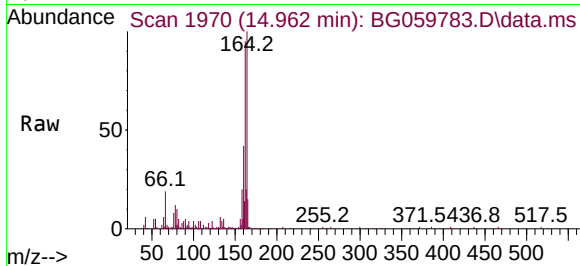




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.962 min Scan# 1970  
Delta R.T. -0.009 min  
Lab File: BG059783.D  
Acq: 21 Nov 2023 00:32

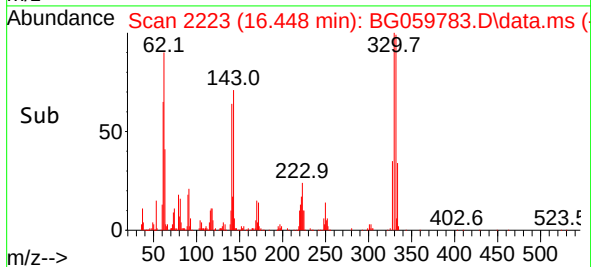
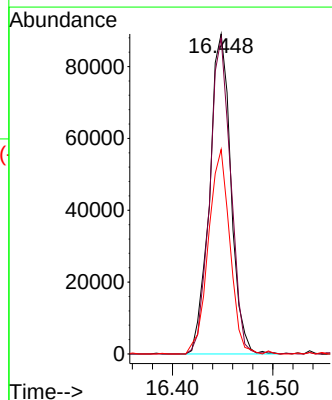
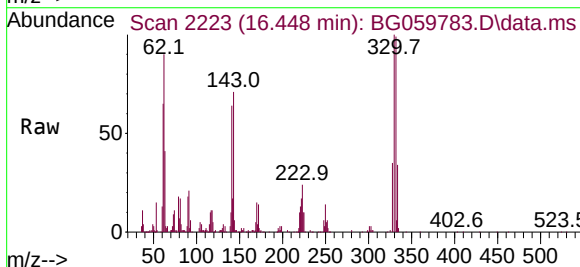
Instrument :  
BNA\_G  
ClientSampleId :  
WC-9

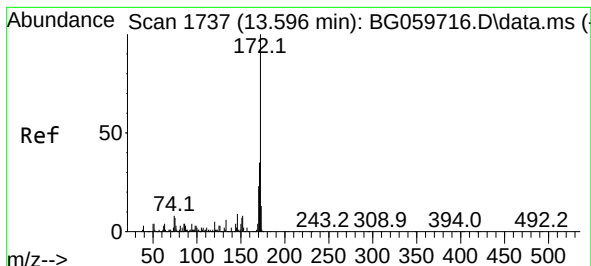
Tgt Ion:164 Resp: 89342  
Ion Ratio Lower Upper  
164 100  
162 95.3 73.3 109.9  
160 42.2 34.1 51.1



#42  
2,4,6-Tribromophenol  
Concen: 130.247 ng  
RT: 16.448 min Scan# 2223  
Delta R.T. -0.009 min  
Lab File: BG059783.D  
Acq: 21 Nov 2023 00:32

Tgt Ion:330 Resp: 132031  
Ion Ratio Lower Upper  
330 100  
332 96.6 73.3 109.9  
141 63.7 52.1 78.1





#45

2-Fluorobiphenyl

Concen: 65.297 ng

RT: 13.581 min Scan# 1

Delta R.T. -0.015 min

Lab File: BG059783.D

Acq: 21 Nov 2023 00:32

Instrument :

BNA\_G

ClientSampleId :

WC-9

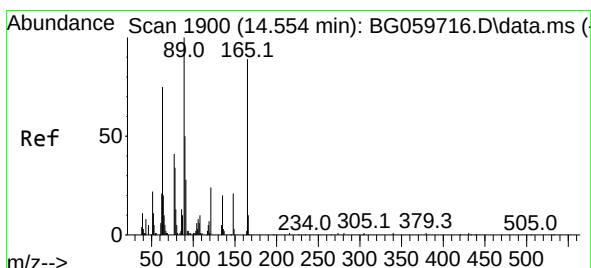
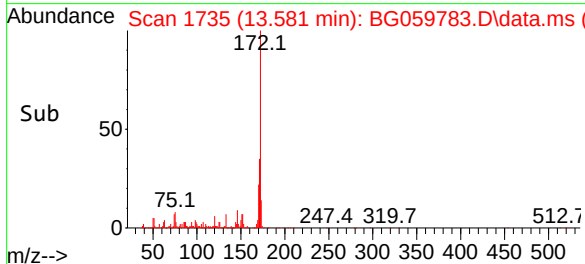
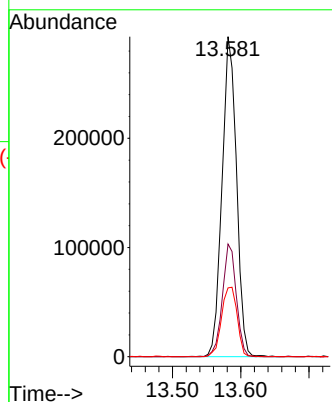
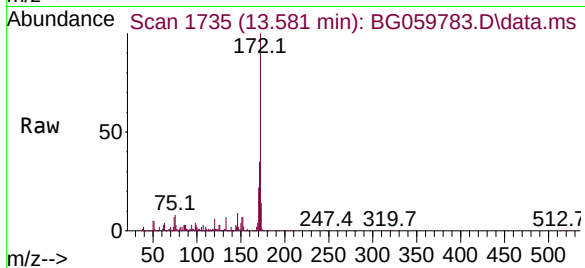
Tgt Ion:172 Resp: 433403

Ion Ratio Lower Upper

172 100

171 35.2 27.7 41.5

170 21.5 18.4 27.6



#51

2,6-Dinitrotoluene

Concen: 10.107 ng

RT: 14.962 min Scan# 1970

Delta R.T. 0.408 min

Lab File: BG059783.D

Acq: 21 Nov 2023 00:32

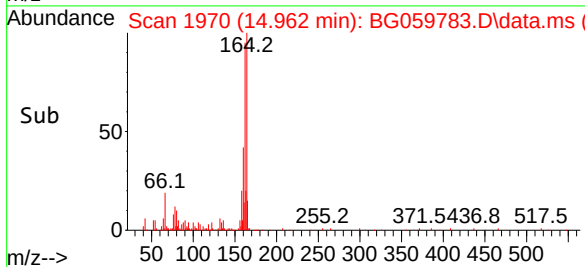
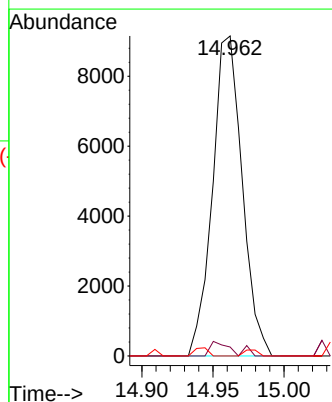
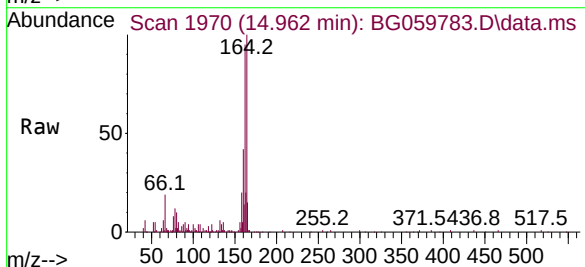
Tgt Ion:165 Resp: 13275

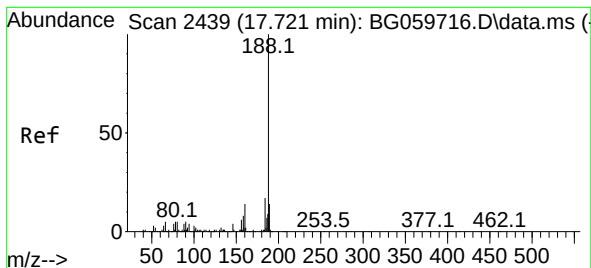
Ion Ratio Lower Upper

165 100

63 2.8 75.3 112.9#

89 0.0 90.9 136.3#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.712 min Scan# 2439

Delta R.T. -0.009 min

Lab File: BG059783.D

Acq: 21 Nov 2023 00:32

Instrument :

BNA\_G

ClientSampleId :

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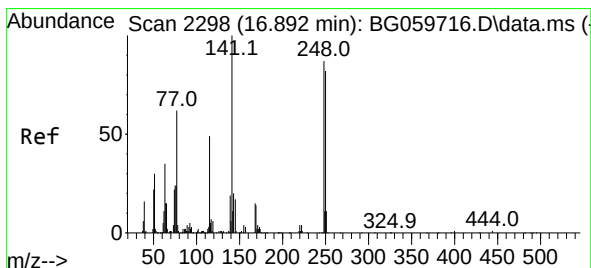
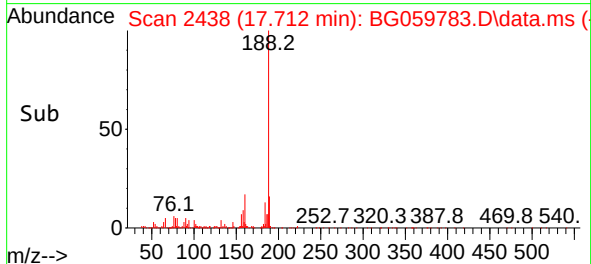
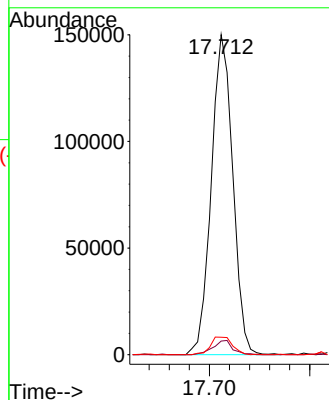
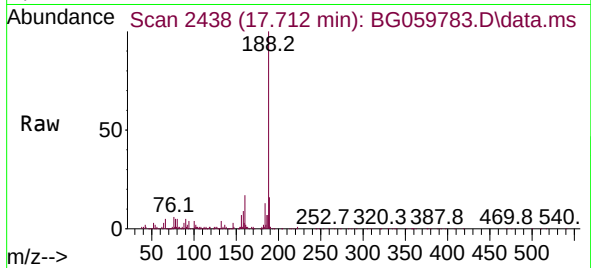
Tgt Ion:188 Resp: 223503

Ion Ratio Lower Upper

188 100

94 4.2 3.0 4.4

80 5.4 4.2 6.4



#67

4-Bromophenyl-phenylether

Concen: 3.565 ng

RT: 16.448 min Scan# 2223

Delta R.T. -0.444 min

Lab File: BG059783.D

Acq: 21 Nov 2023 00:32

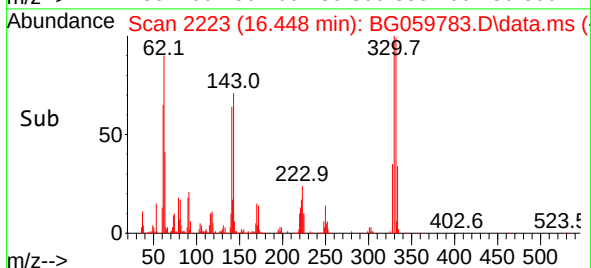
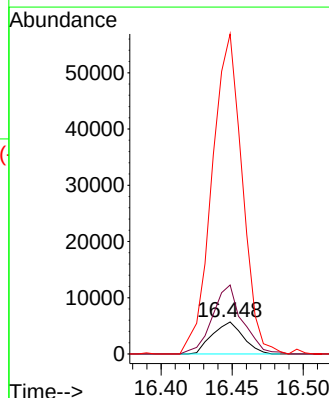
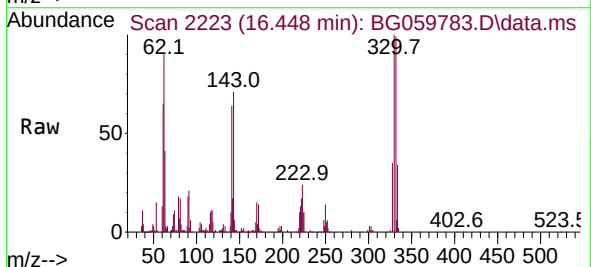
Tgt Ion:248 Resp: 8560

Ion Ratio Lower Upper

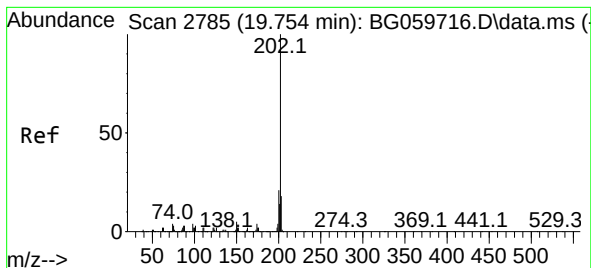
248 100

250 215.2 75.2 112.8#

141 999.7 91.5 137.3#







#75

Fluoranthene

Concen: 3.522 ng

RT: 19.745 min Scan# 21

Delta R.T. -0.009 min

Lab File: BG059783.D

Acq: 21 Nov 2023 00:32

Instrument :

BNA\_G

ClientSampleId :

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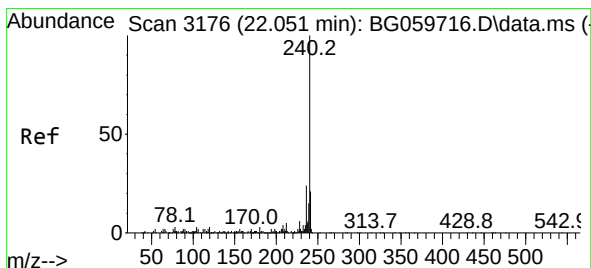
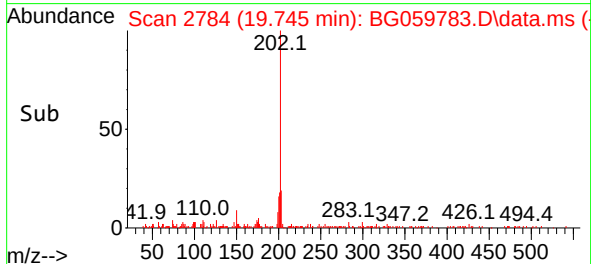
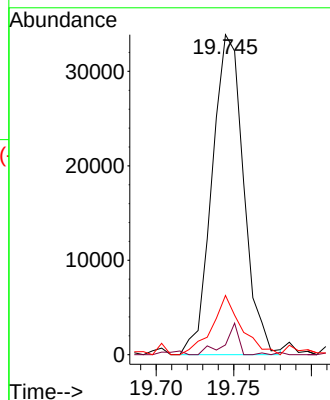
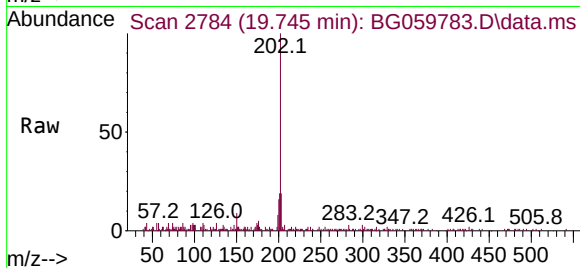
Tgt Ion:202 Resp: 47996

Ion Ratio Lower Upper

202 100

101 3.1 0.0 22.7

203 18.5 0.0 38.2



#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.036 min Scan# 3174

Delta R.T. -0.015 min

Lab File: BG059783.D

Acq: 21 Nov 2023 00:32

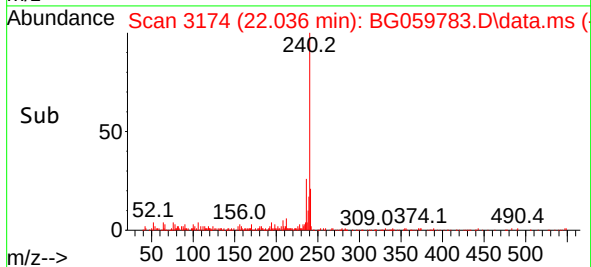
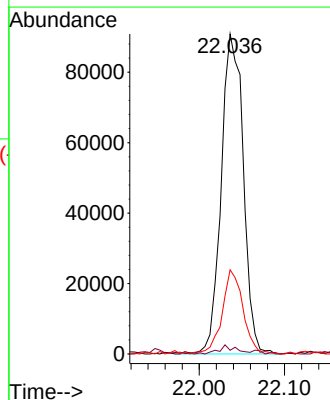
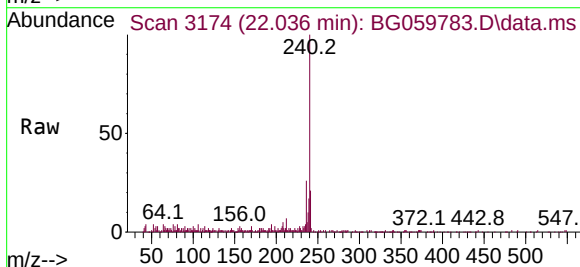
Tgt Ion:240 Resp: 163122

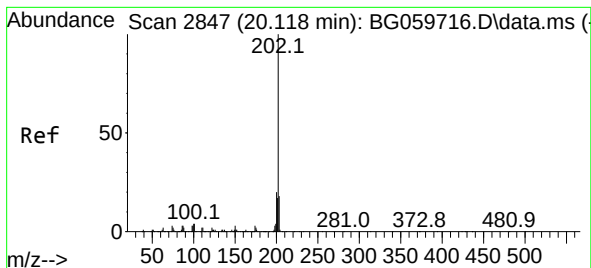
Ion Ratio Lower Upper

240 100

120 1.5 2.2 3.2#

236 26.3 19.4 29.2





#78

Pyrene

Concen: 3.807 ng

RT: 20.109 min Scan# 21

Delta R.T. -0.009 min

Lab File: BG059783.D

Acq: 21 Nov 2023 00:32

Instrument :

BNA\_G

ClientSampleId :

WC-9

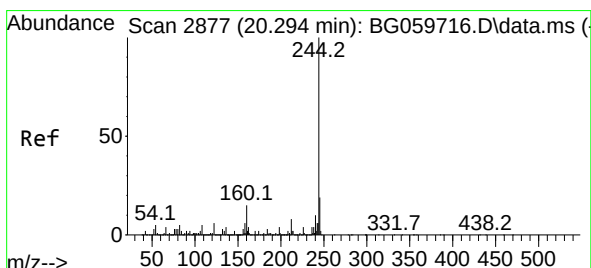
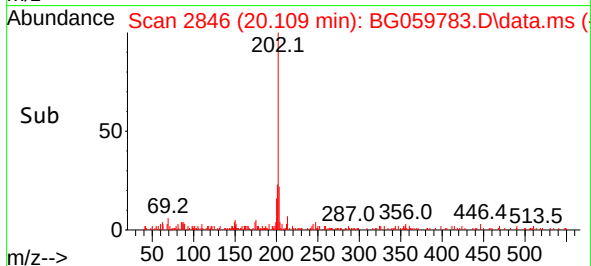
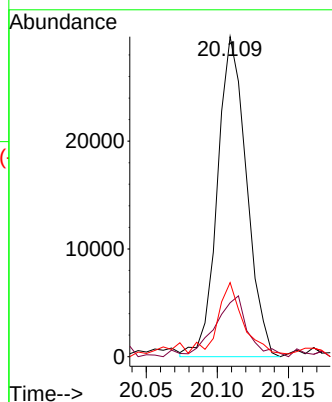
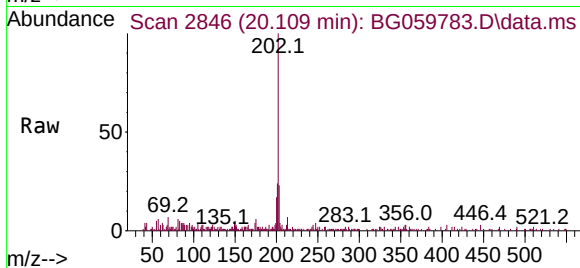
Tgt Ion:202 Resp: 42254

Ion Ratio Lower Upper

202 100

200 16.8 16.2 24.4

203 23.1 14.0 21.0#



#79

Terphenyl-d14

Concen: 68.636 ng

RT: 20.285 min Scan# 2876

Delta R.T. -0.009 min

Lab File: BG059783.D

Acq: 21 Nov 2023 00:32

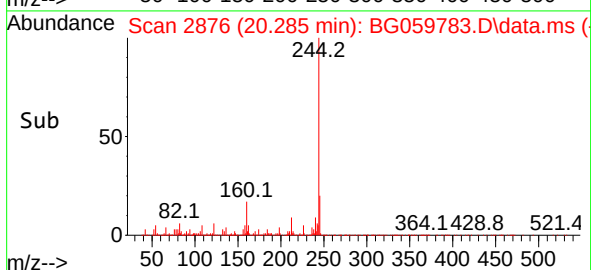
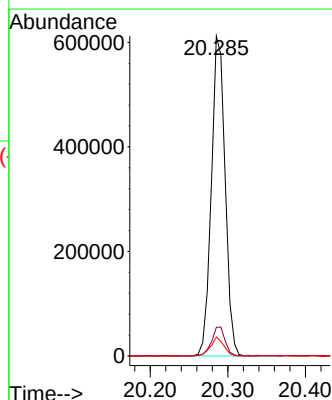
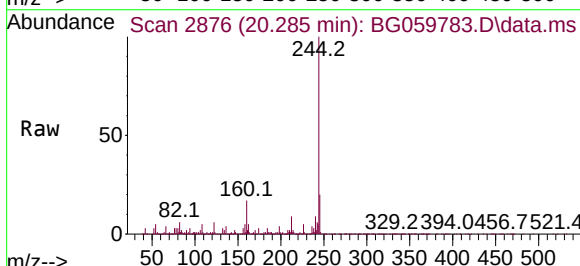
Tgt Ion:244 Resp: 758415

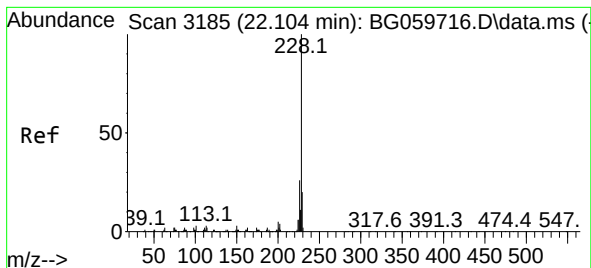
Ion Ratio Lower Upper

244 100

212 9.0 6.6 10.0

122 5.9 4.4 6.6





#83

Chrysene

Concen: 2.557 ng

RT: 22.089 min Scan# 3185

Delta R.T. -0.015 min

Lab File: BG059783.D

Acq: 21 Nov 2023 00:32

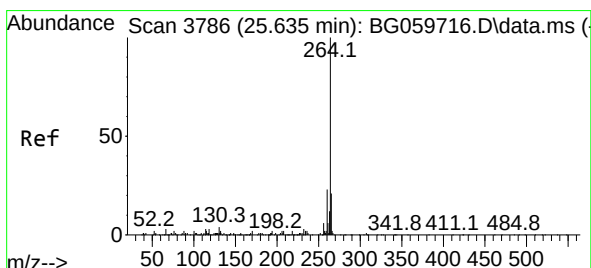
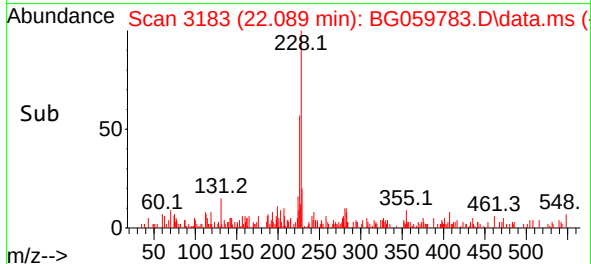
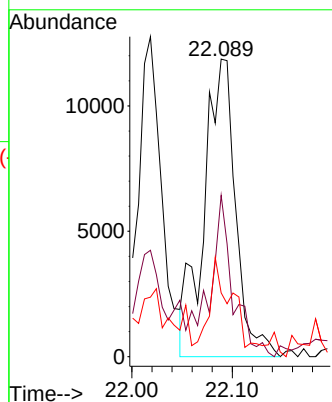
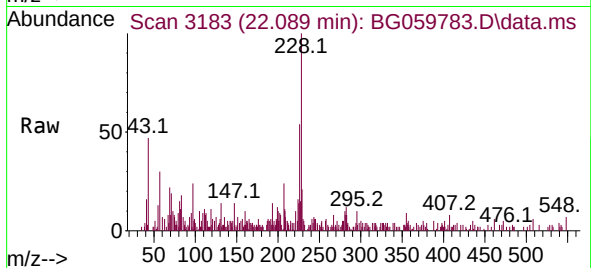
Instrument :

BNA\_G

ClientSampleId :

WC-9

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 26160 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 54.2  | 21.1  | 31.7# |
| 229       | 21.5  | 16.2  | 24.4  |



#86

Perylene-d12

Concen: 20.000 ng

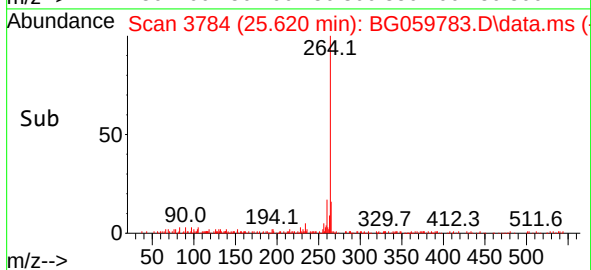
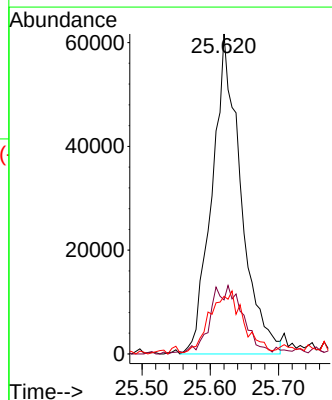
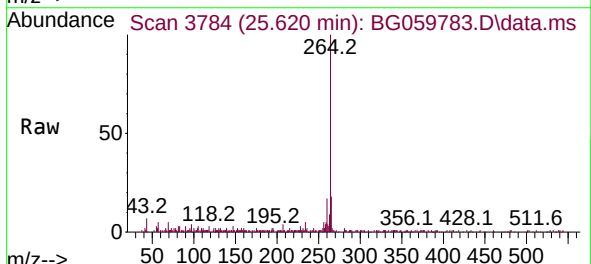
RT: 25.620 min Scan# 3784

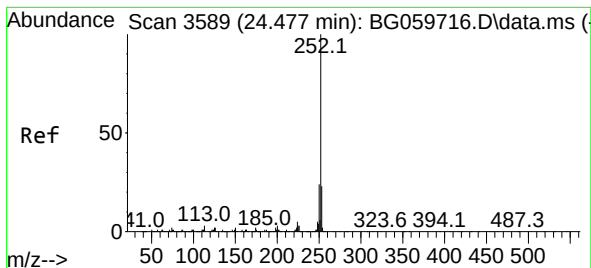
Delta R.T. -0.015 min

Lab File: BG059783.D

Acq: 21 Nov 2023 00:32

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 264   | Resp: | 181800 |
| Ion Ratio | Lower | Upper |        |
| 264       | 100   |       |        |
| 260       | 16.9  | 18.5  | 27.7#  |
| 265       | 18.0  | 17.0  | 25.6   |





#88

Benzo(b)fluoranthene

Concen: 3.847 ng

RT: 24.457 min Scan# 31

Delta R.T. -0.021 min

Lab File: BG059783.D

Acq: 21 Nov 2023 00:32

Instrument :

BNA\_G

ClientSampleId :

WC-9

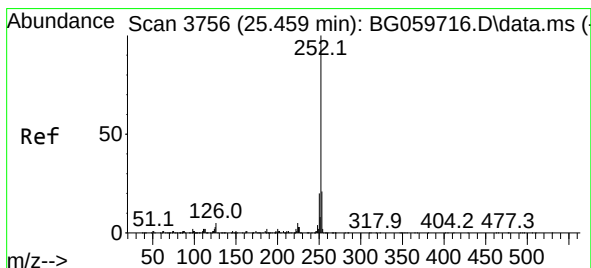
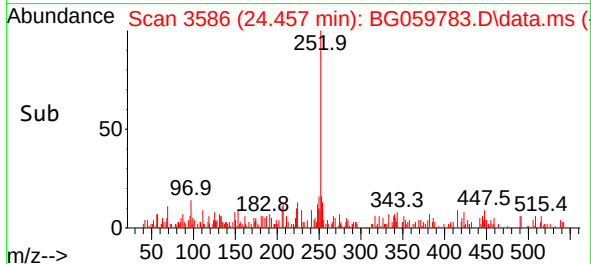
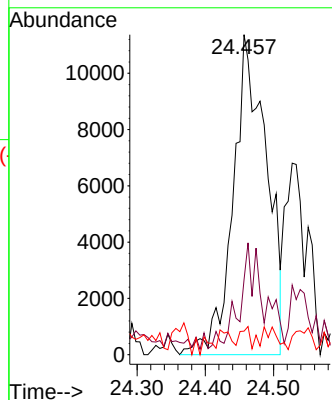
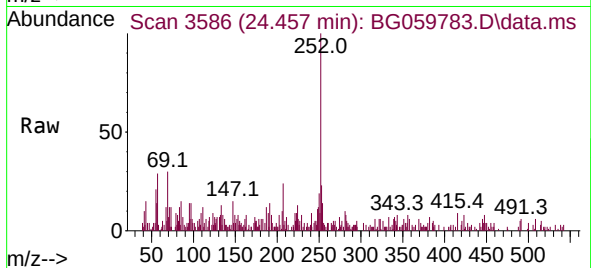
Tgt Ion:252 Resp: 38332

Ion Ratio Lower Upper

252 100

253 23.4 18.3 27.5

125 7.4 1.4 2.0#



#90

Benzo(a)pyrene

Concen: 2.405 ng

RT: 25.450 min Scan# 3755

Delta R.T. -0.009 min

Lab File: BG059783.D

Acq: 21 Nov 2023 00:32

Tgt Ion:252 Resp: 25572

Ion Ratio Lower Upper

252 100

253 23.6 16.8 25.2

125 12.9 2.0 3.0#

