

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG112123\  
 Data File : BG059794.D  
 Acq On : 21 Nov 2023 16:11  
 Operator : MA/JU  
 Sample : 05388-01  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-3

Quant Time: Nov 21 16:58:50 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

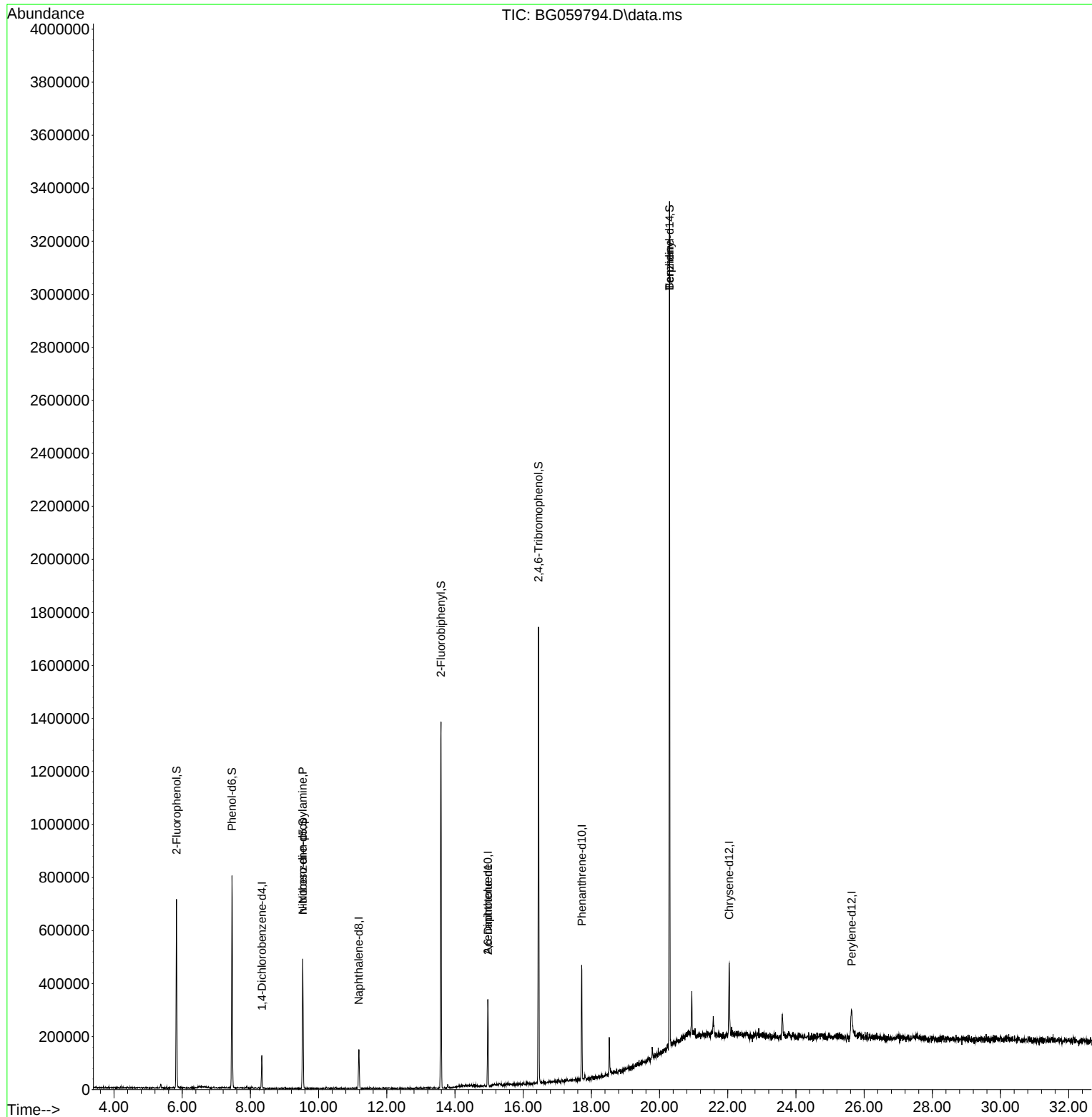
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.337  | 152  | 25078    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 11.181 | 136  | 101561   | 20.000  | ng    | #-0.01   |
| 39) Acenaphthene-d10          | 14.964 | 164  | 100401   | 20.000  | ng    | # 0.00   |
| 64) Phenanthrene-d10          | 17.720 | 188  | 234016   | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12              | 22.038 | 240  | 159105   | 20.000  | ng    | #-0.01   |
| 86) Perylene-d12              | 25.634 | 264  | 159390   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.834  | 112  | 240721   | 161.563 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.461  | 99   | 334411   | 151.456 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.535  | 82   | 278759   | 104.827 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.451 | 330  | 230380   | 202.234 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.589 | 172  | 595358   | 79.818  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.293 | 244  | 1285546  | 119.279 | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
| 19) n-Nitroso-di-n-propyla... | 9.535  | 70   | 46449    | 26.714  | ng    | # 80     |
| 51) 2,6-Dinitrotoluene        | 14.964 | 165  | 15133    | 10.253  | ng    | # 4      |
| 77) Benzidine                 | 20.293 | 184  | 42520    | 11.785  | ng    | 95       |
| -----                         |        |      |          |         |       |          |

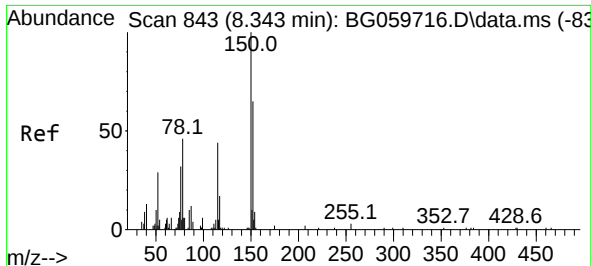
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG112123\  
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG111623.M  
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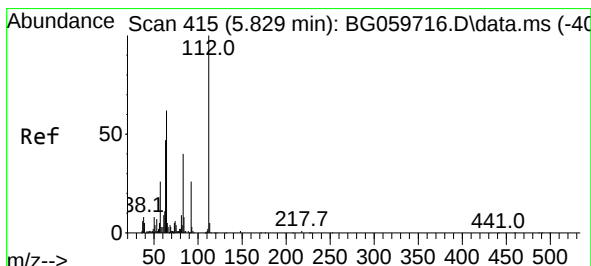
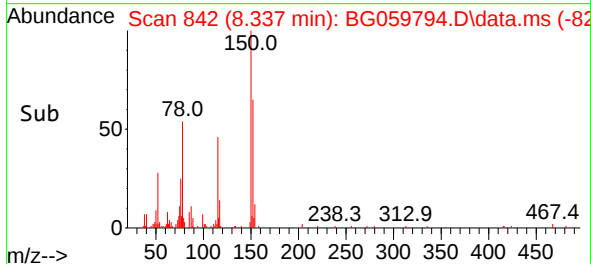
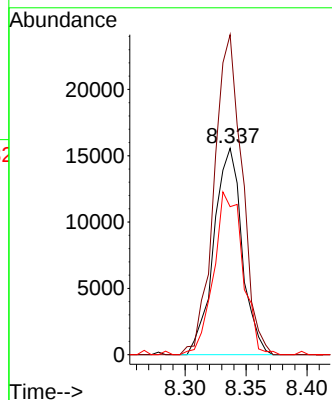
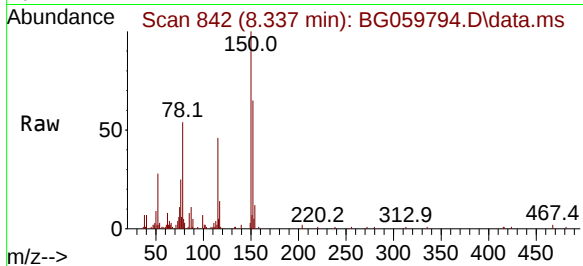




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.337 min Scan# 843  
Delta R.T. -0.006 min  
Lab File: BG059794.D  
Acq: 21 Nov 2023 16:11

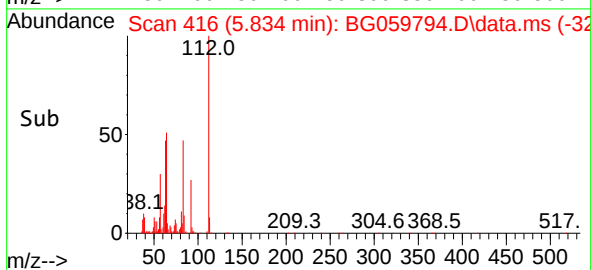
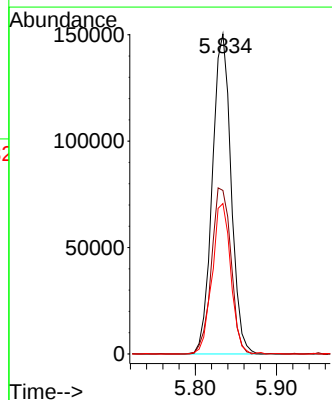
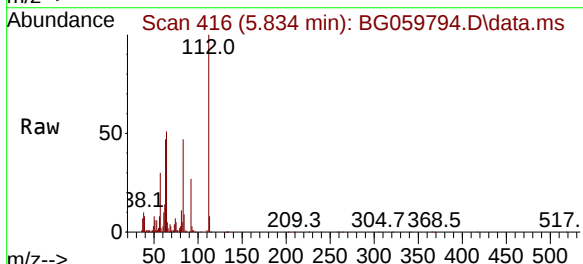
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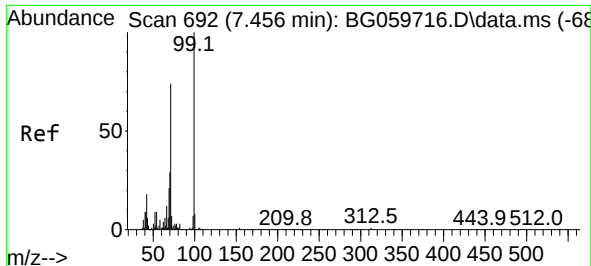
Tgt Ion:152 Resp: 25078  
Ion Ratio Lower Upper  
152 100  
150 155.0 122.2 183.4  
115 71.7 54.2 81.4



#5  
2-Fluorophenol  
Concen: 161.563 ng  
RT: 5.834 min Scan# 416  
Delta R.T. 0.005 min  
Lab File: BG059794.D  
Acq: 21 Nov 2023 16:11

Tgt Ion:112 Resp: 240721  
Ion Ratio Lower Upper  
112 100  
64 51.1 49.5 74.3  
63 47.0 37.4 56.2

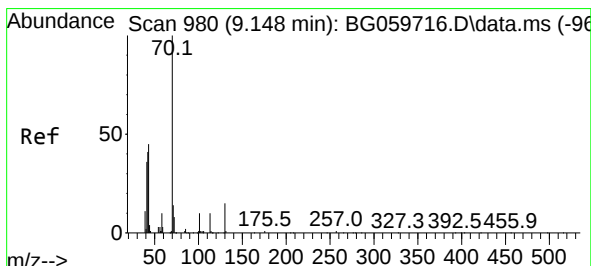
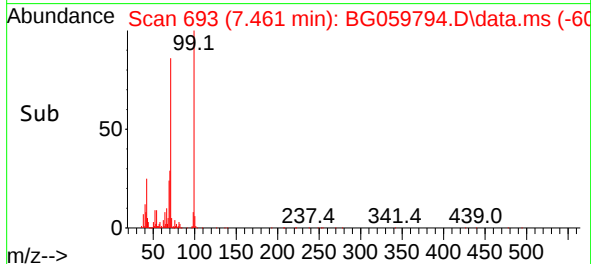
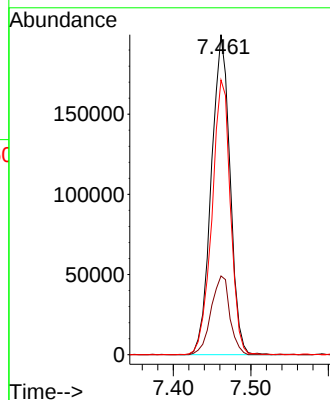
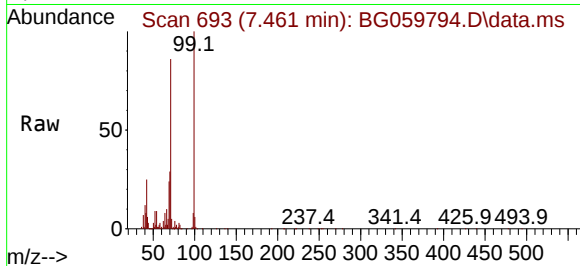




#7  
Phenol-d6  
Concen: 151.456 ng  
RT: 7.461 min Scan# 692  
Delta R.T. 0.005 min  
Lab File: BG059794.D  
Acq: 21 Nov 2023 16:11

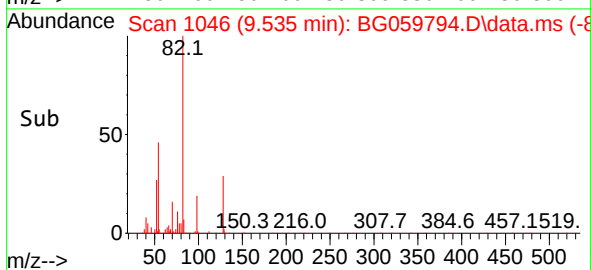
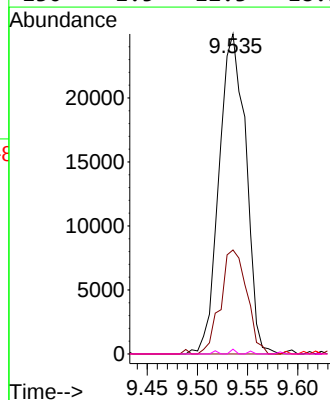
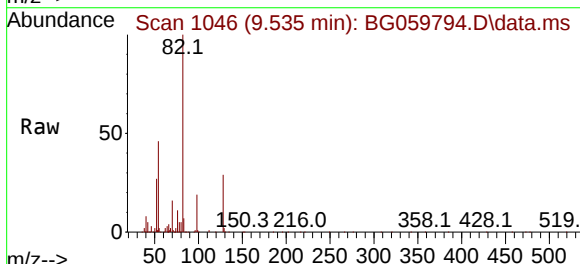
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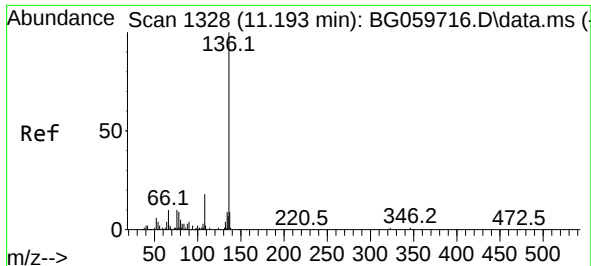
Tgt Ion: 99 Resp: 334411  
Ion Ratio Lower Upper  
99 100  
42 24.6 14.3 21.5#  
71 85.8 59.3 88.9



#19  
n-Nitroso-di-n-propylamine  
Concen: 26.714 ng  
RT: 9.535 min Scan# 1046  
Delta R.T. 0.387 min  
Lab File: BG059794.D  
Acq: 21 Nov 2023 16:11

Tgt Ion: 70 Resp: 46449  
Ion Ratio Lower Upper  
70 100  
42 32.5 32.8 49.2#  
101 0.0 7.7 11.5#  
130 1.5 12.3 18.5#

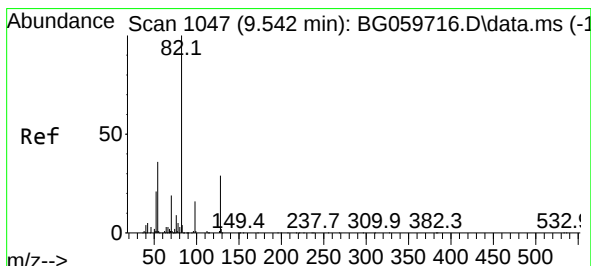
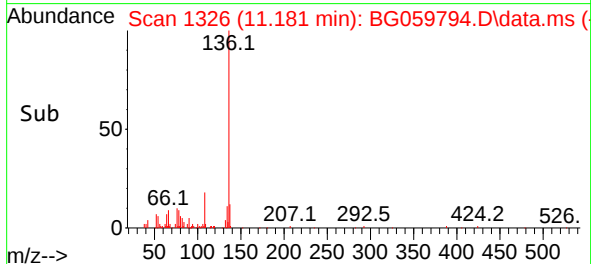
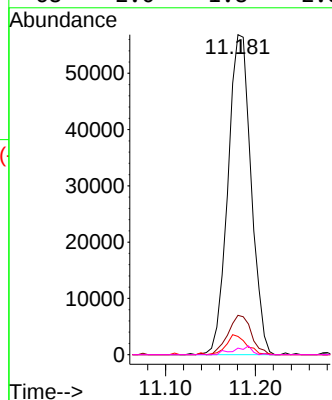
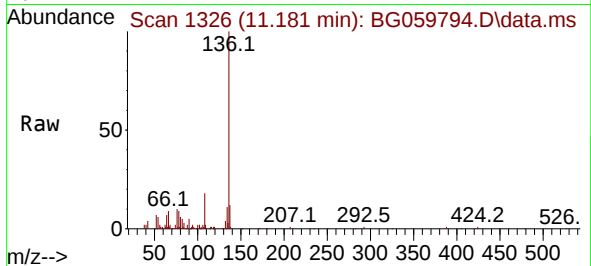




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.181 min Scan# 111  
Delta R.T. -0.012 min  
Lab File: BG059794.D  
Acq: 21 Nov 2023 16:11

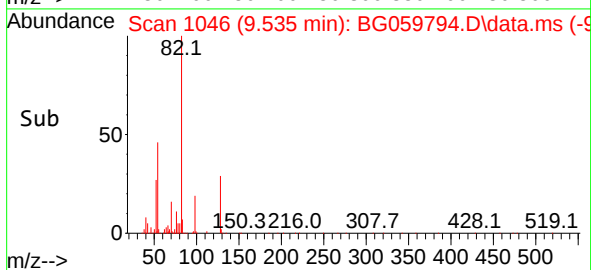
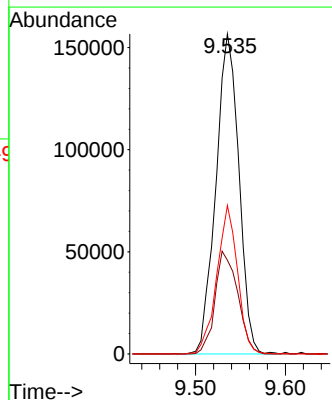
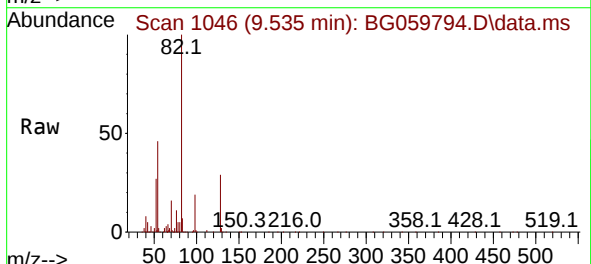
Instrument :  
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ClientSampleId :  
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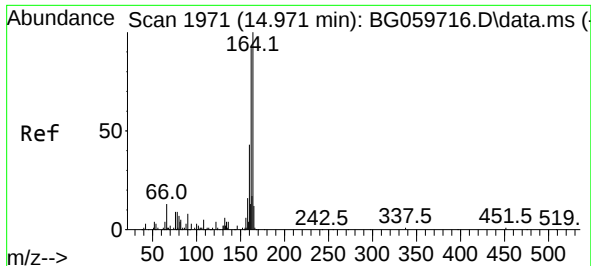
Tgt Ion:136 Resp: 101561  
Ion Ratio Lower Upper  
136 100  
137 12.3 7.4 11.0#  
54 5.7 3.1 4.7#  
68 2.0 1.8 2.8



#23  
Nitrobenzene-d5  
Concen: 104.827 ng  
RT: 9.535 min Scan# 1046  
Delta R.T. -0.007 min  
Lab File: BG059794.D  
Acq: 21 Nov 2023 16:11

Tgt Ion: 82 Resp: 278759  
Ion Ratio Lower Upper  
82 100  
128 29.3 23.0 34.6  
54 46.4 28.7 43.1#

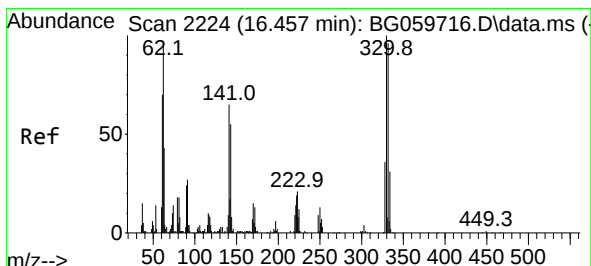
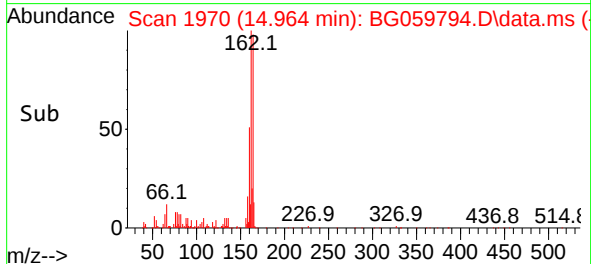
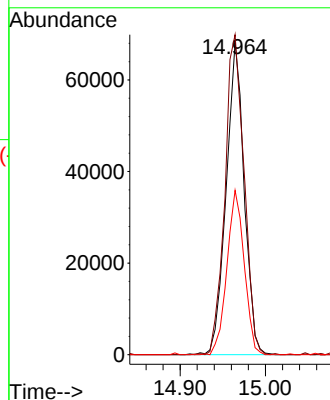
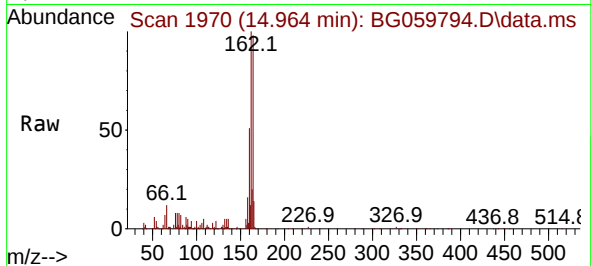




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.964 min Scan# 1970  
Delta R.T. -0.007 min  
Lab File: BG059794.D  
Acq: 21 Nov 2023 16:11

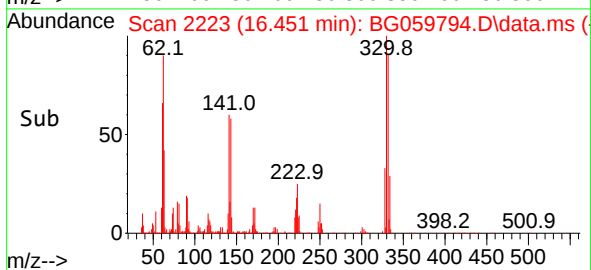
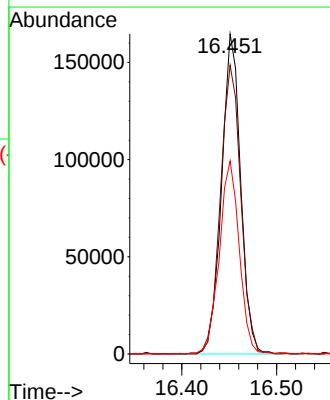
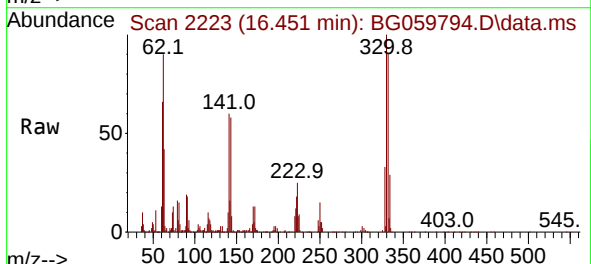
Instrument :  
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ClientSampleId :  
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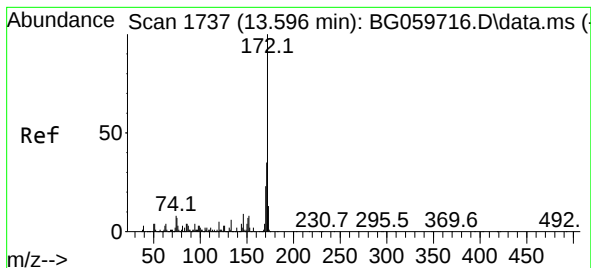
Tgt Ion:164 Resp: 100401  
Ion Ratio Lower Upper  
164 100  
162 102.5 73.3 109.9  
160 52.6 34.1 51.1#



#42  
2,4,6-Tribromophenol  
Concen: 202.234 ng  
RT: 16.451 min Scan# 2223  
Delta R.T. -0.007 min  
Lab File: BG059794.D  
Acq: 21 Nov 2023 16:11

Tgt Ion:330 Resp: 230380  
Ion Ratio Lower Upper  
330 100  
332 96.7 73.3 109.9  
141 63.2 52.1 78.1





#45

2-Fluorobiphenyl

Concen: 79.818 ng

RT: 13.589 min Scan# 1

Delta R.T. -0.007 min

Lab File: BG059794.D

Acq: 21 Nov 2023 16:11

Instrument :

BNA\_G

ClientSampleId :

TP-3

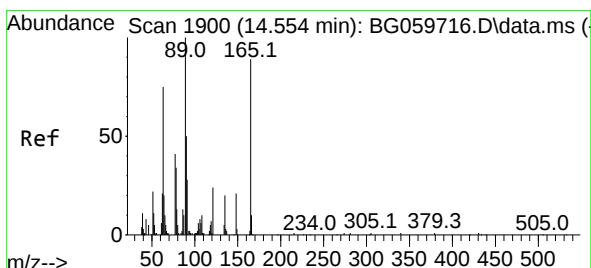
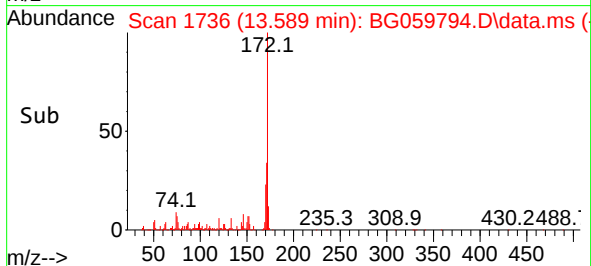
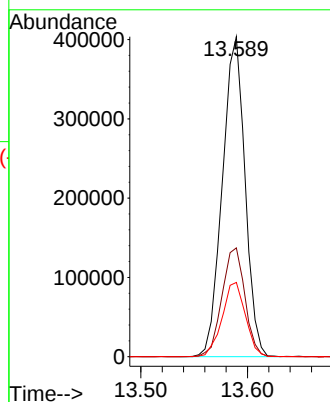
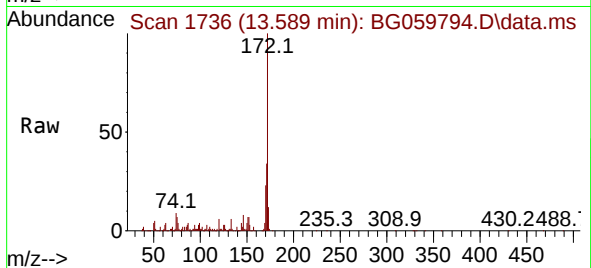
Tgt Ion:172 Resp: 595358

Ion Ratio Lower Upper

172 100

171 34.0 27.7 41.5

170 23.2 18.4 27.6



#51

2,6-Dinitrotoluene

Concen: 10.253 ng

RT: 14.964 min Scan# 1970

Delta R.T. 0.411 min

Lab File: BG059794.D

Acq: 21 Nov 2023 16:11

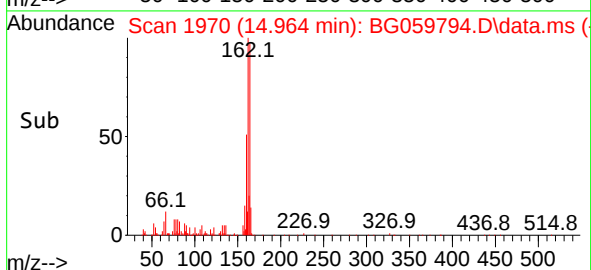
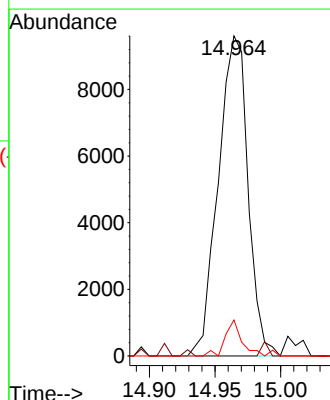
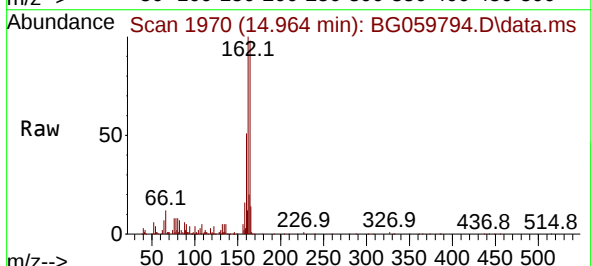
Tgt Ion:165 Resp: 15133

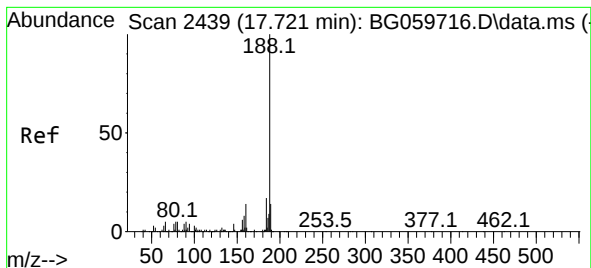
Ion Ratio Lower Upper

165 100

63 0.0 75.3 112.9#

89 11.2 90.9 136.3#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.720 min Scan# 2439

Delta R.T. -0.001 min

Lab File: BG059794.D

Acq: 21 Nov 2023 16:11

Instrument :

BNA\_G

ClientSampleId :

TP-3

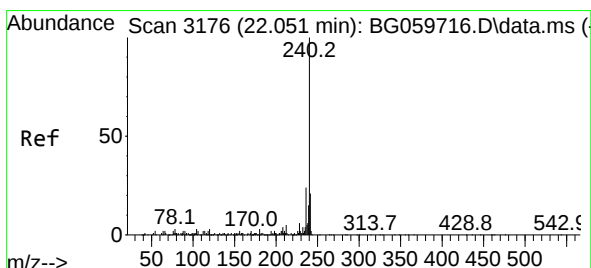
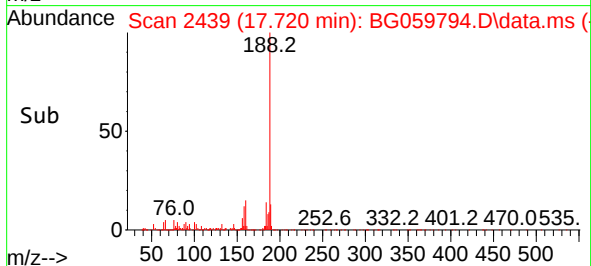
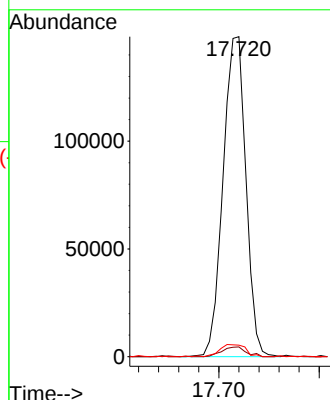
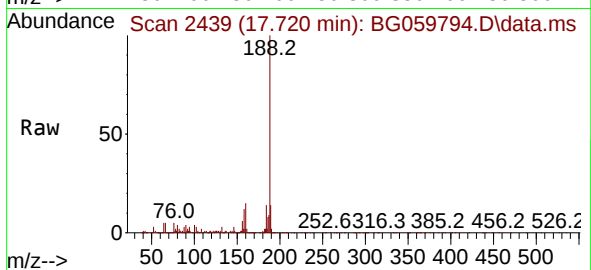
Tgt Ion:188 Resp: 234016

Ion Ratio Lower Upper

188 100

94 3.1 3.0 4.4

80 3.6 4.2 6.4#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.038 min Scan# 3174

Delta R.T. -0.012 min

Lab File: BG059794.D

Acq: 21 Nov 2023 16:11

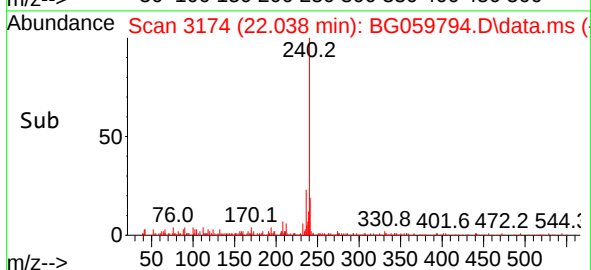
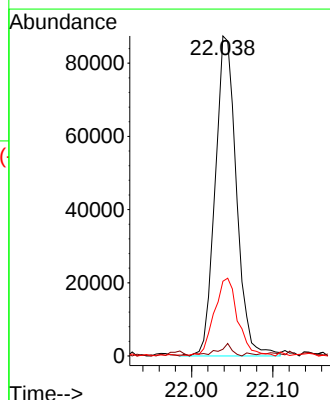
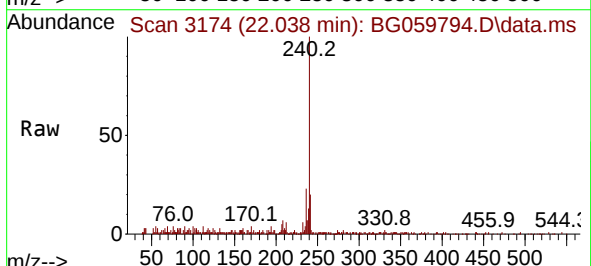
Tgt Ion:240 Resp: 159105

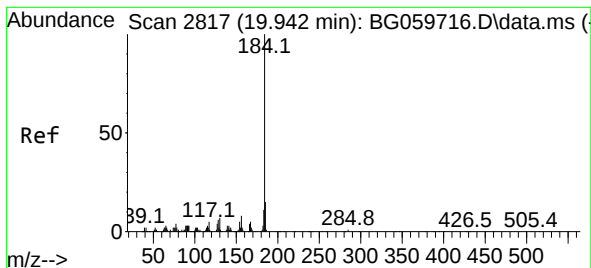
Ion Ratio Lower Upper

240 100

120 2.1 2.2 3.2#

236 23.4 19.4 29.2





#77

Benzidine

Concen: 11.785 ng

RT: 20.293 min Scan# 2877

Delta R.T. 0.352 min

Lab File: BG059794.D

Acq: 21 Nov 2023 16:11

Instrument :

BNA\_G

ClientSampleId :

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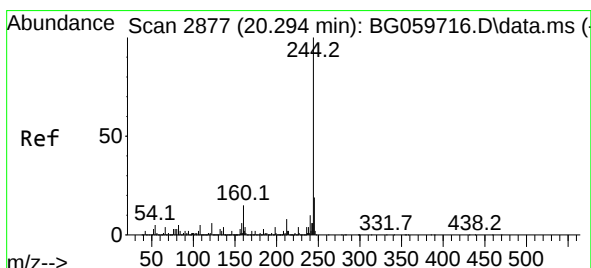
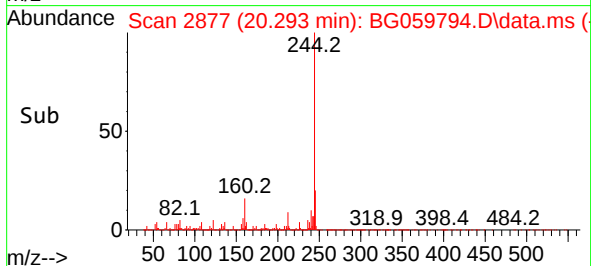
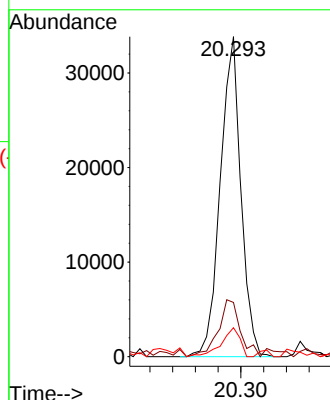
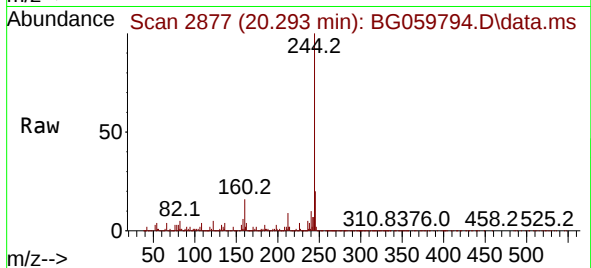
Tgt Ion:184 Resp: 42520

Ion Ratio Lower Upper

184 100

185 17.0 12.2 18.2

183 9.0 8.8 13.2



#79

Terphenyl-d14

Concen: 119.279 ng

RT: 20.293 min Scan# 2877

Delta R.T. -0.001 min

Lab File: BG059794.D

Acq: 21 Nov 2023 16:11

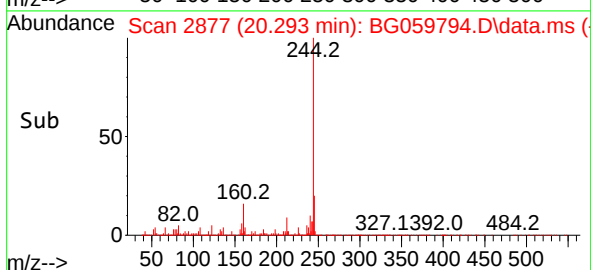
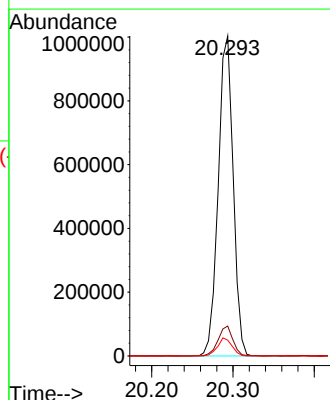
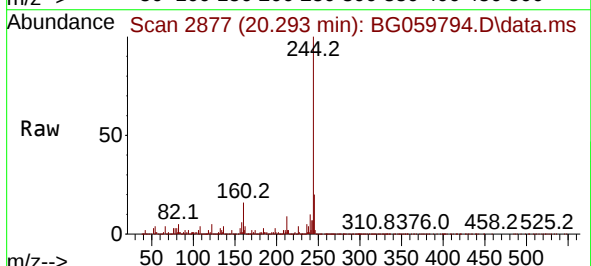
Tgt Ion:244 Resp: 1285546

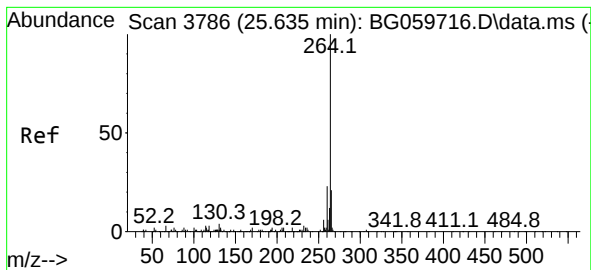
Ion Ratio Lower Upper

244 100

212 9.4 6.6 10.0

122 4.9 4.4 6.6





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 25.634 min Scan# 31  
 Delta R.T. -0.001 min  
 Lab File: BG059794.D  
 Acq: 21 Nov 2023 16:11

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-3

Tgt Ion:264 Resp: 159390  
 Ion Ratio Lower Upper  
 264 100  
 260 26.5 18.5 27.7  
 265 25.3 17.0 25.6

