

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG040225\  
 Data File : BG064161.D  
 Acq On : 2 Apr 2025 20:24  
 Operator : RC/JU  
 Sample : Q1688-01 5X  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 OR-02-040125

Quant Time: Apr 03 01:20:42 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG030525.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 05 15:39:19 2025  
 Response via : Initial Calibration

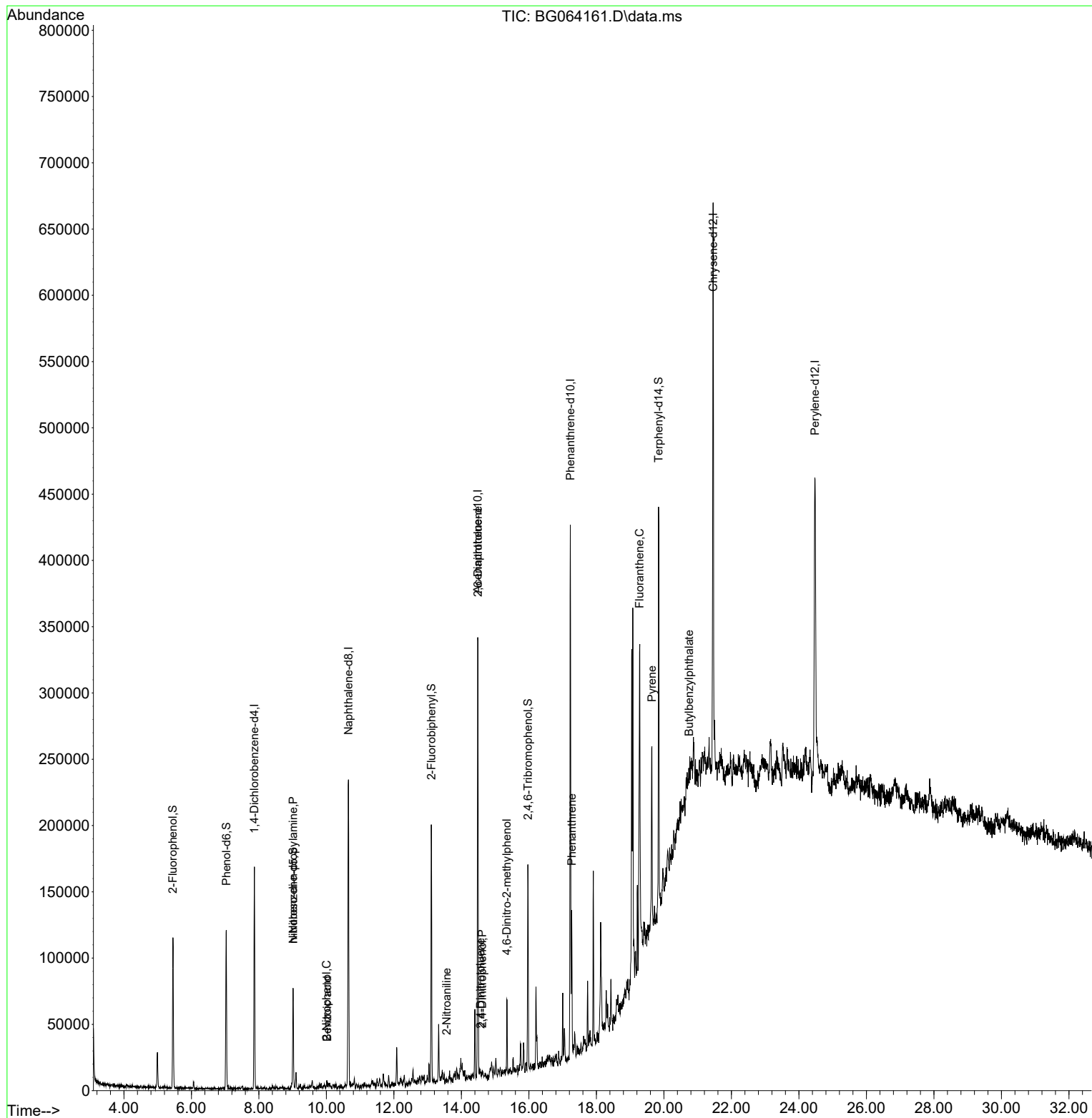
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.861  | 152  | 39445    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.652 | 136  | 171876   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.483 | 164  | 109610   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.226 | 188  | 225283   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 21.457 | 240  | 227438   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 24.477 | 264  | 252222   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.452  | 112  | 46912    | 18.570 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.033  | 99   | 58155    | 16.922 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.013  | 82   | 37832    | 12.164 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.969 | 330  | 24687    | 20.262 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.108 | 172  | 90883    | 12.585 | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.841 | 244  | 139152   | 12.371 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 9.013  | 70   | 5714     | 2.369  | ng    | # 69     |
| 26) 2-Nitrophenol             | 10.006 | 139  | 96       | 3.378  | ng    | # 26     |
| 32) Benzoic acid              | 10.029 | 122  | 70       | 8.723  | ng    | # 1      |
| 48) 2-Nitroaniline            | 13.566 | 65   | 81       | 3.257  | ng    | # 11     |
| 51) 2,6-Dinitrotoluene        | 14.489 | 165  | 15284    | 12.017 | ng    | # 15     |
| 54) 2,4-Dinitrophenol         | 14.618 | 184  | 77       | 7.983  | ng    | # 15     |
| 57) 2,4-Dinitrotoluene        | 14.565 | 165  | 504      | 3.851  | ng    | # 45     |
| 65) 4,6-Dinitro-2-methylph... | 15.346 | 198  | 69       | 8.238  | ng    | # 10     |
| 71) Phenanthrene              | 17.268 | 178  | 65022    | 5.411  | ng    | 98       |
| 75) Fluoranthene              | 19.277 | 202  | 81832    | 5.649  | ng    | 99       |
| 78) Pyrene                    | 19.641 | 202  | 77004    | 5.252  | ng    | 99       |
| 80) Butylbenzylphthalate      | 20.746 | 149  | 512      | 3.724  | ng    | 90       |
| -----                         |        |      |          |        |       |          |

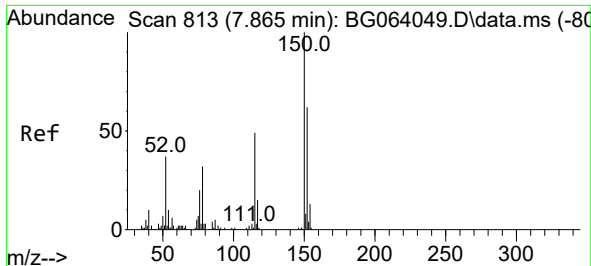
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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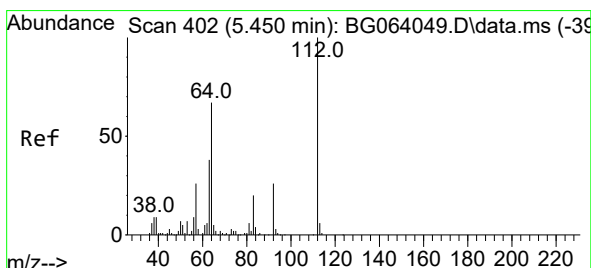
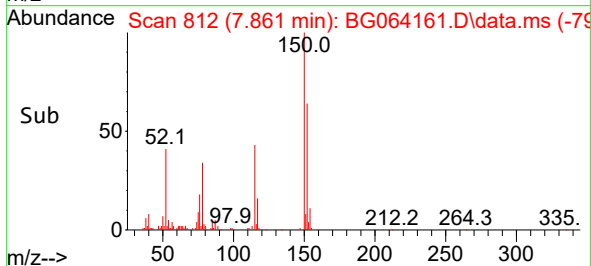
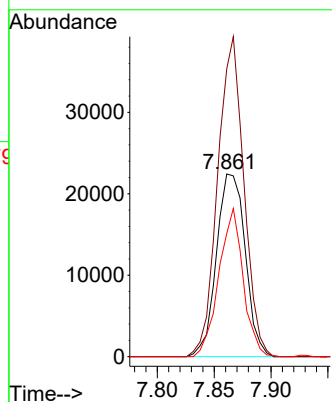
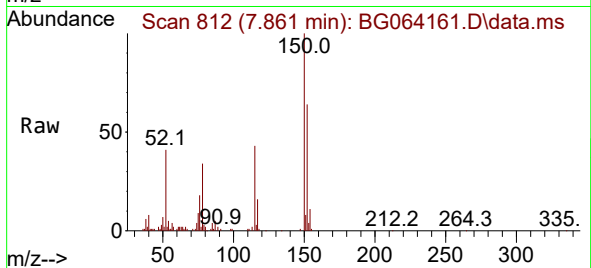




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.861 min Scan# 813  
Delta R.T. -0.004 min  
Lab File: BG064161.D  
Acq: 2 Apr 2025 20:24

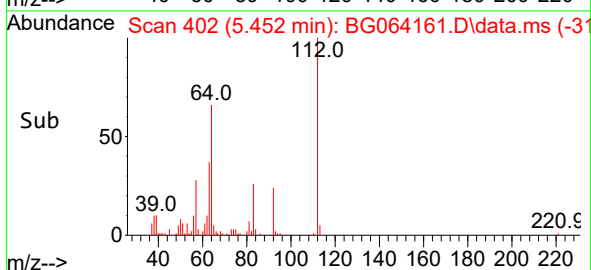
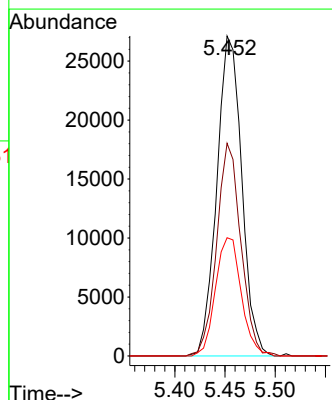
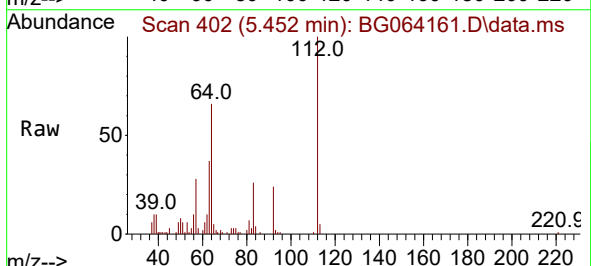
Instrument :  
BNA\_G  
ClientSampleId :  
OR-02-040125

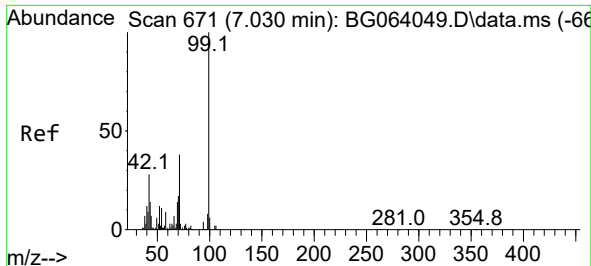
Tgt Ion:152 Resp: 39445  
Ion Ratio Lower Upper  
152 100  
150 157.5 129.2 193.8  
115 67.4 63.0 94.6



#5  
2-Fluorophenol  
Concen: 18.570 ng  
RT: 5.452 min Scan# 402  
Delta R.T. 0.002 min  
Lab File: BG064161.D  
Acq: 2 Apr 2025 20:24

Tgt Ion:112 Resp: 46912  
Ion Ratio Lower Upper  
112 100  
64 66.5 53.7 80.5  
63 37.0 30.2 45.4

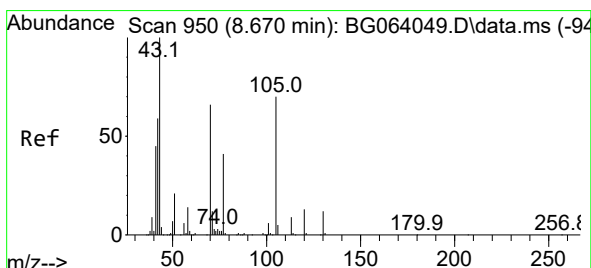
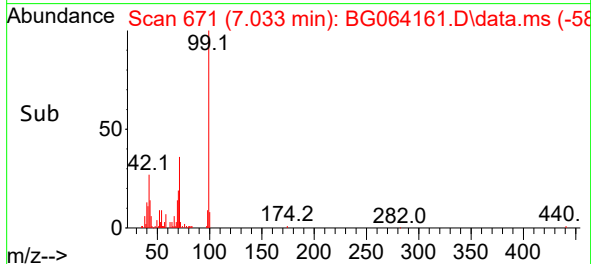
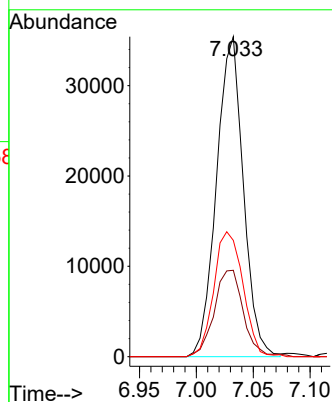
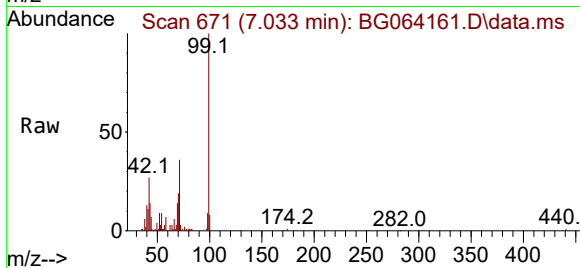




#7  
Phenol-d6  
Concen: 16.922 ng  
RT: 7.033 min Scan# 61  
Delta R.T. 0.002 min  
Lab File: BG064161.D  
Acq: 2 Apr 2025 20:24

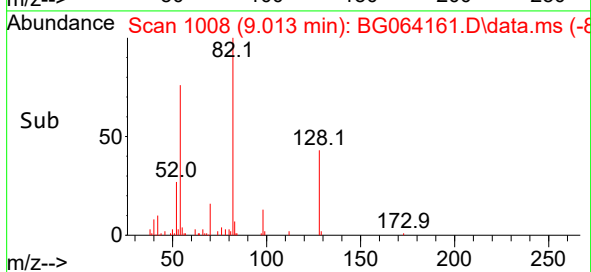
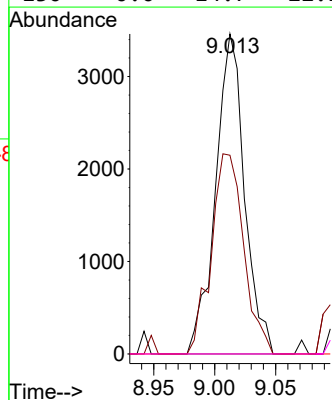
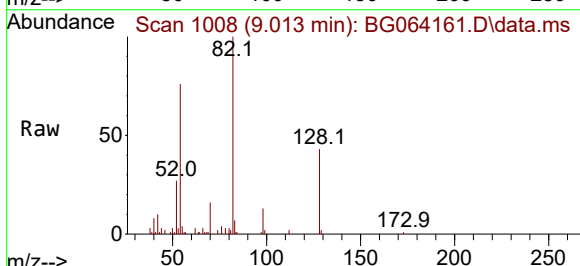
Instrument :  
BNA\_G  
ClientSampleId :  
OR-02-040125

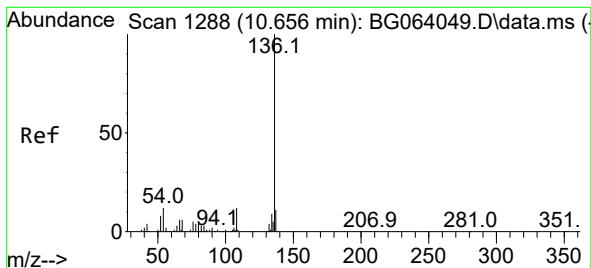
Tgt Ion: 99 Resp: 58155  
Ion Ratio Lower Upper  
99 100  
42 27.0 22.7 34.1  
71 36.3 30.6 46.0



#19  
n-Nitroso-di-n-propylamine  
Concen: 2.369 ng  
RT: 9.013 min Scan# 1008  
Delta R.T. 0.343 min  
Lab File: BG064161.D  
Acq: 2 Apr 2025 20:24

Tgt Ion: 70 Resp: 5714  
Ion Ratio Lower Upper  
70 100  
42 62.1 72.1 108.1#  
101 0.0 7.2 10.8#  
130 0.0 14.7 22.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.652 min Scan# 11

Delta R.T. -0.004 min

Lab File: BG064161.D

Acq: 2 Apr 2025 20:24

Instrument :

BNA\_G

ClientSampleId :

OR-02-040125

Tgt Ion:136 Resp: 171876

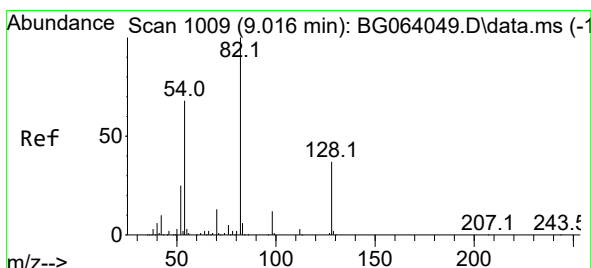
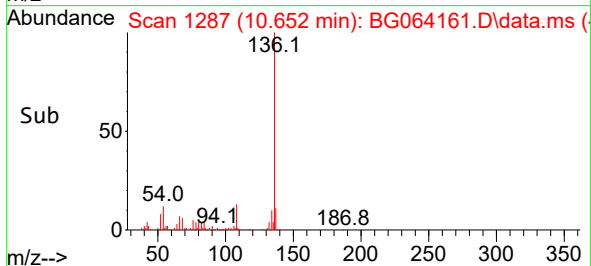
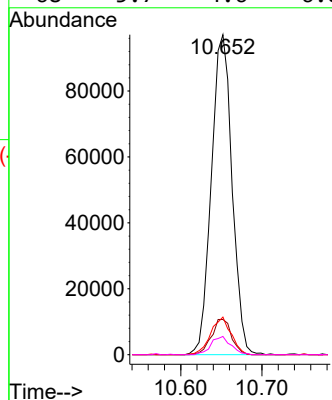
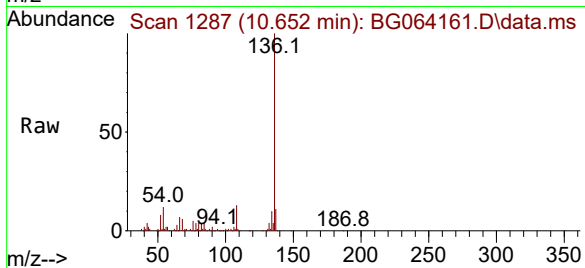
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 11.8 9.9 14.9

68 5.7 4.6 6.8



#23

Nitrobenzene-d5

Concen: 12.164 ng

RT: 9.013 min Scan# 1008

Delta R.T. -0.004 min

Lab File: BG064161.D

Acq: 2 Apr 2025 20:24

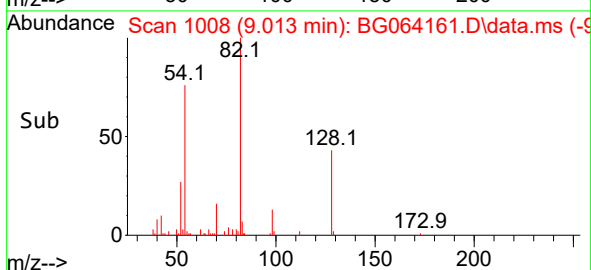
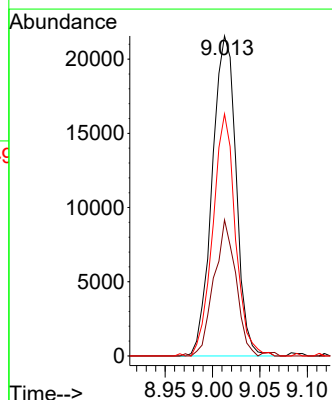
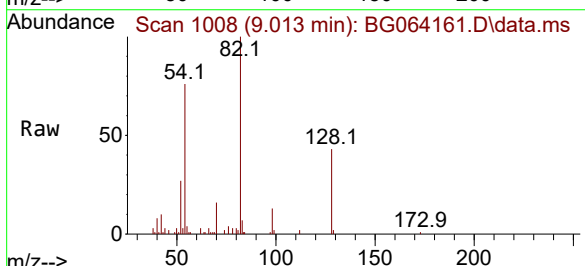
Tgt Ion: 82 Resp: 37832

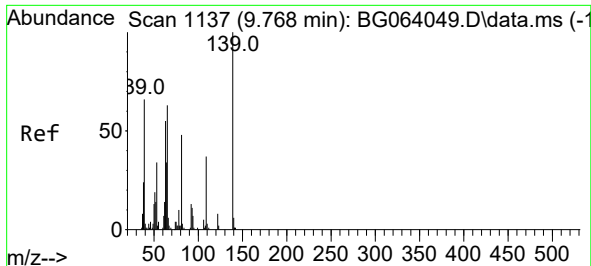
Ion Ratio Lower Upper

82 100

128 42.5 30.0 45.0

54 75.6 54.7 82.1

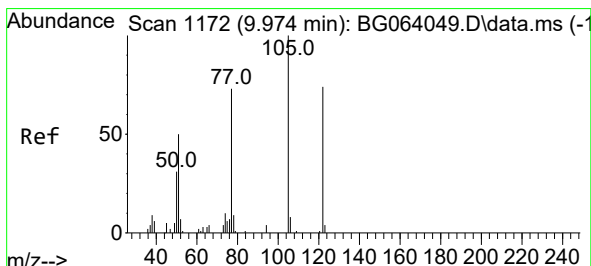
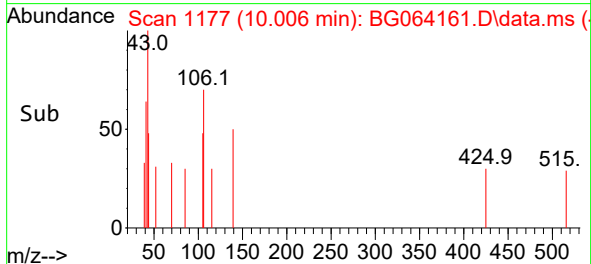
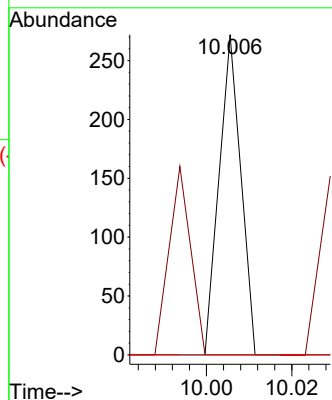
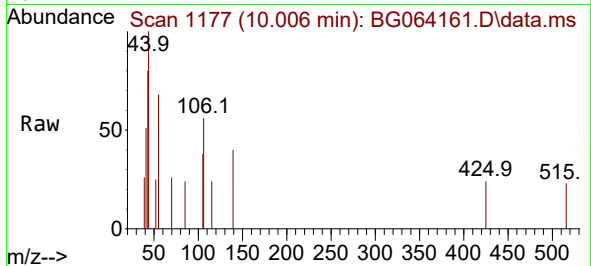




#26  
2-Nitrophenol  
Concen: 3.378 ng  
RT: 10.006 min Scan# 1177  
Delta R.T. 0.238 min  
Lab File: BG064161.D  
Acq: 2 Apr 2025 20:24

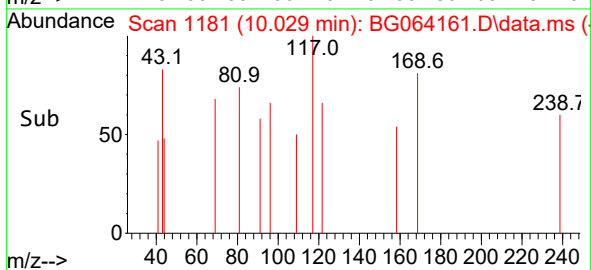
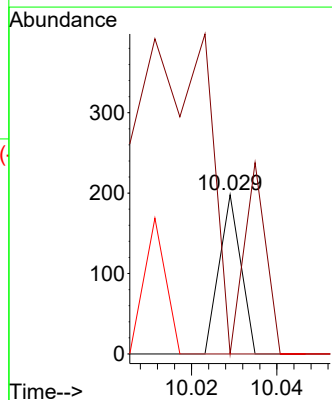
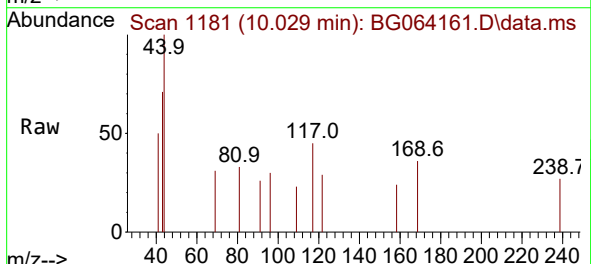
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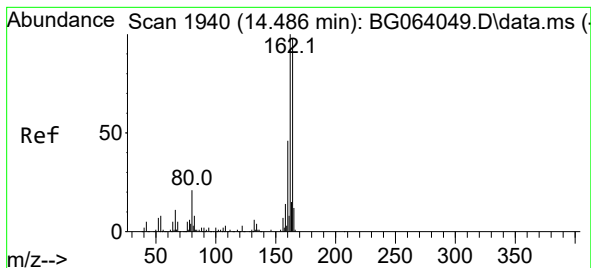
Tgt Ion:139 Resp: 96  
Ion Ratio Lower Upper  
139 100  
109 0.0 29.9 44.9#  
65 0.0 50.6 76.0#



#32  
Benzoic acid  
Concen: 8.723 ng  
RT: 10.029 min Scan# 1181  
Delta R.T. 0.055 min  
Lab File: BG064161.D  
Acq: 2 Apr 2025 20:24

Tgt Ion:122 Resp: 70  
Ion Ratio Lower Upper  
122 100  
105 0.0 115.0 155.0#  
77 0.0 80.9 120.9#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.483 min Scan# 1939

Delta R.T. -0.003 min

Lab File: BG064161.D

Acq: 2 Apr 2025 20:24

Instrument :

BNA\_G

ClientSampleId :

OR-02-040125

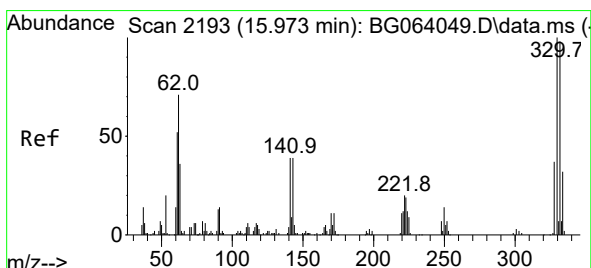
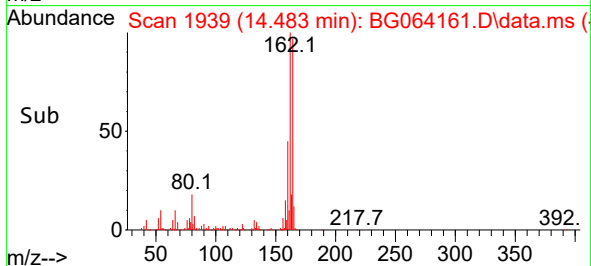
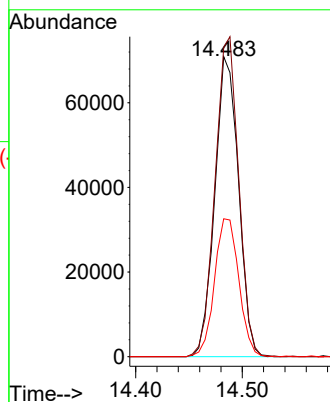
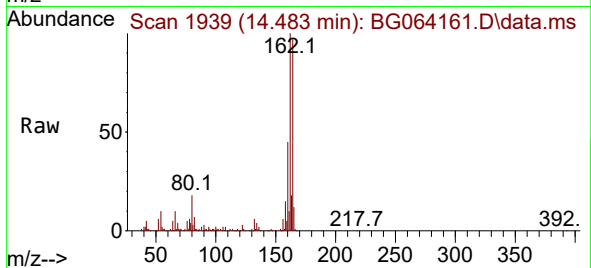
Tgt Ion:164 Resp: 109610

Ion Ratio Lower Upper

164 100

162 103.1 81.4 122.0

160 46.0 37.0 55.6



#42

2,4,6-Tribromophenol

Concen: 20.262 ng

RT: 15.969 min Scan# 2192

Delta R.T. -0.004 min

Lab File: BG064161.D

Acq: 2 Apr 2025 20:24

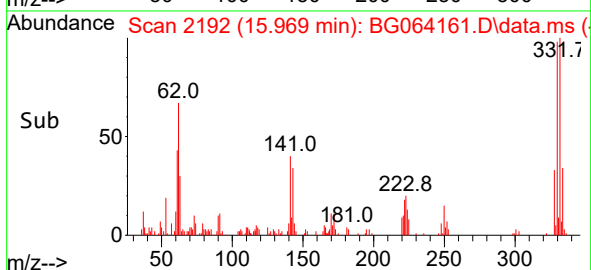
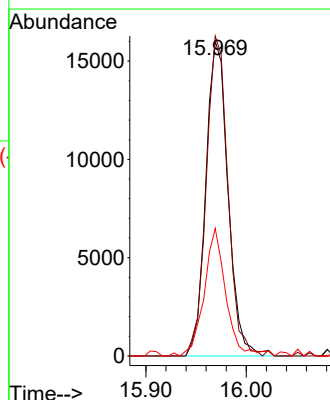
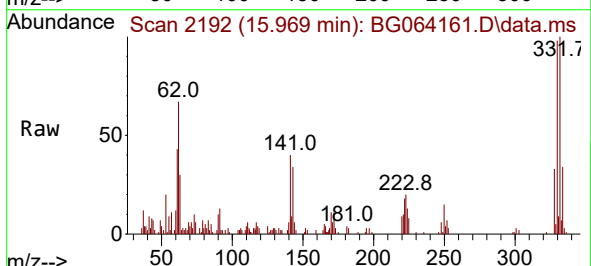
Tgt Ion:330 Resp: 24687

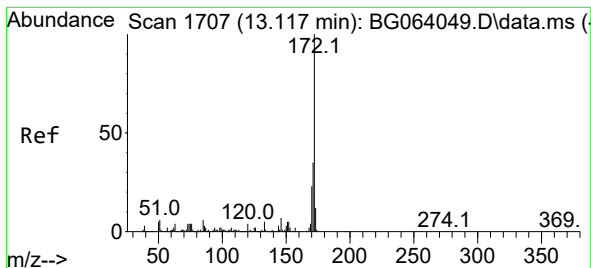
Ion Ratio Lower Upper

330 100

332 98.7 76.7 115.1

141 39.6 29.7 44.5





#45

2-Fluorobiphenyl

Concen: 12.585 ng

RT: 13.108 min Scan# 1

Delta R.T. -0.010 min

Lab File: BG064161.D

Acq: 2 Apr 2025 20:24

Instrument :

BNA\_G

ClientSampleId :

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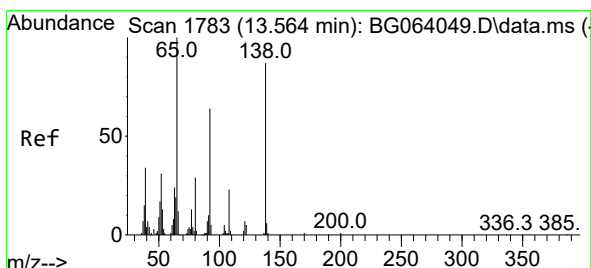
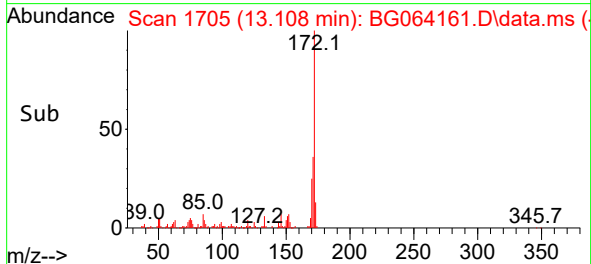
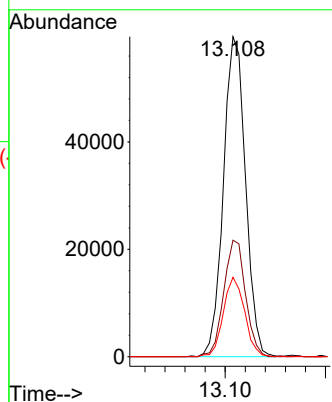
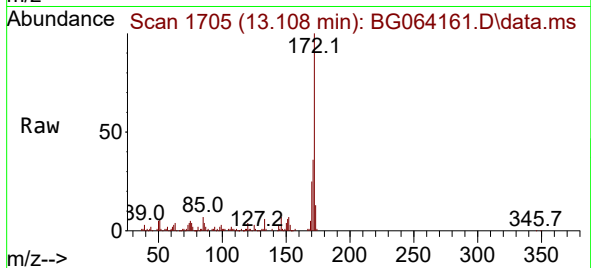
Tgt Ion:172 Resp: 90883

Ion Ratio Lower Upper

172 100

171 36.4 28.0 42.0

170 24.8 18.7 28.1



#48

2-Nitroaniline

Concen: 3.257 ng

RT: 13.566 min Scan# 1783

Delta R.T. 0.002 min

Lab File: BG064161.D

Acq: 2 Apr 2025 20:24

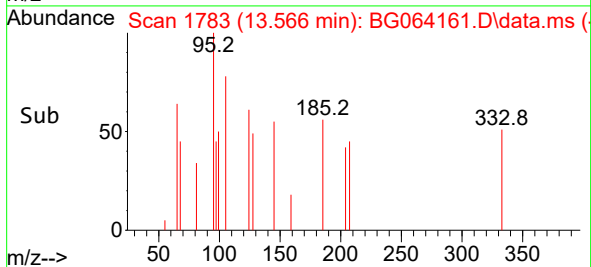
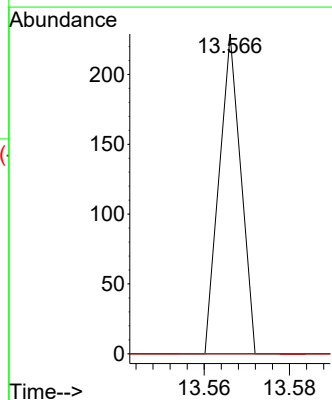
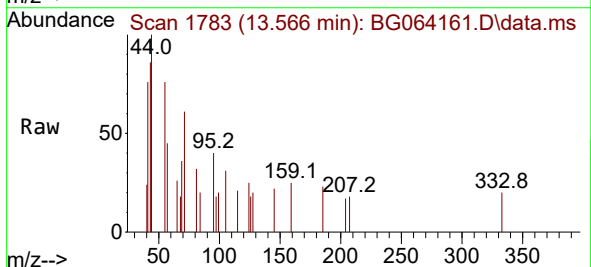
Tgt Ion: 65 Resp: 81

Ion Ratio Lower Upper

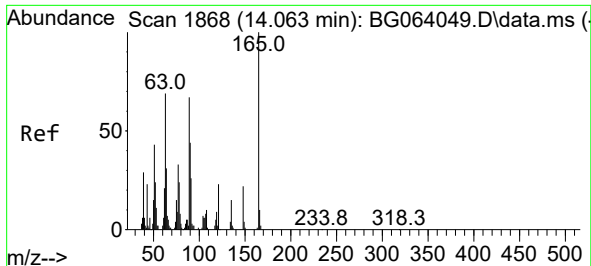
65 100

92 0.0 51.2 76.8#

138 0.0 69.4 104.2#



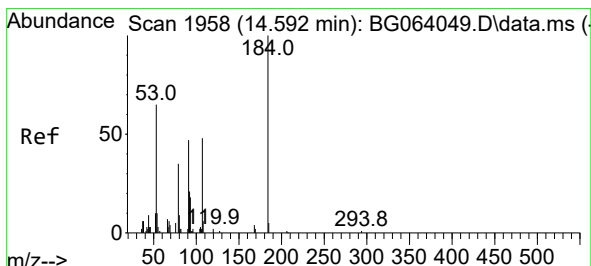
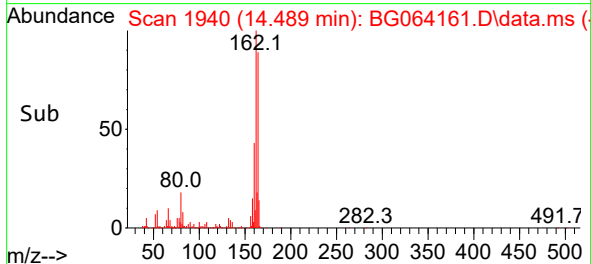
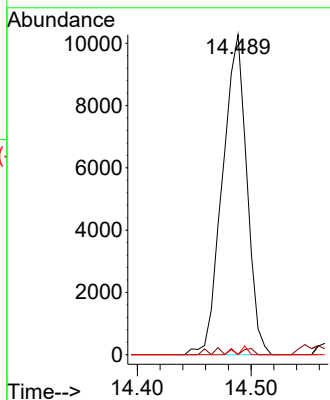
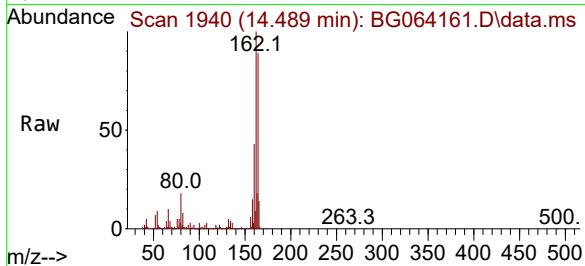




#51  
2,6-Dinitrotoluene  
Concen: 12.017 ng  
RT: 14.489 min Scan# 1940  
Delta R.T. 0.425 min  
Lab File: BG064161.D  
Acq: 2 Apr 2025 20:24

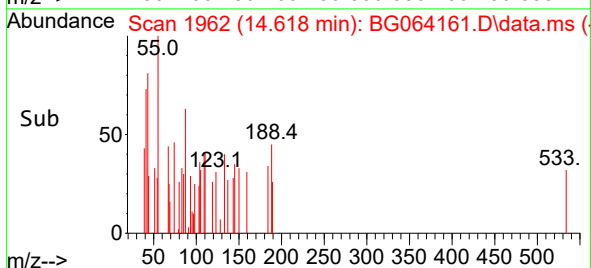
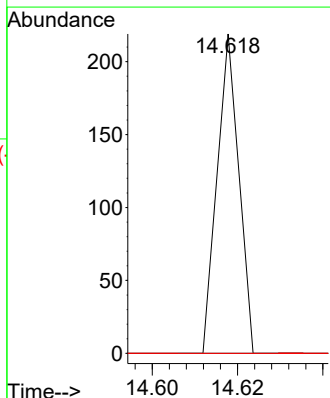
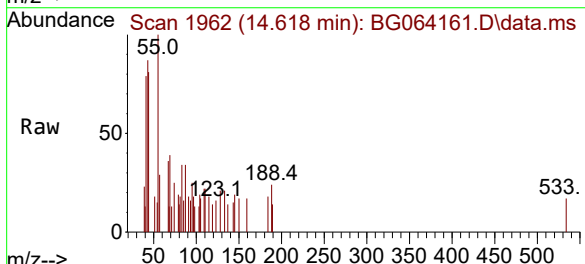
Instrument :  
BNA\_G  
ClientSampleId :  
OR-02-040125

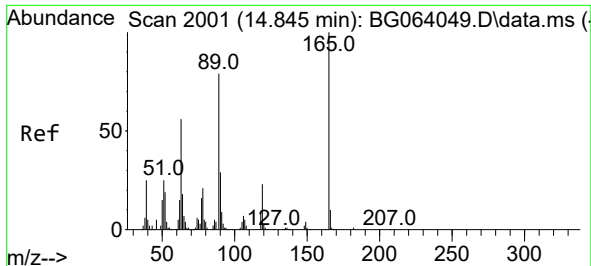
Tgt Ion:165 Resp: 15284  
Ion Ratio Lower Upper  
165 100  
63 0.0 56.7 85.1#  
89 0.0 53.7 80.5#



#54  
2,4-Dinitrophenol  
Concen: 7.983 ng  
RT: 14.618 min Scan# 1962  
Delta R.T. 0.026 min  
Lab File: BG064161.D  
Acq: 2 Apr 2025 20:24

Tgt Ion:184 Resp: 77  
Ion Ratio Lower Upper  
184 100  
63 0.0 57.5 86.3#  
154 0.0 52.3 78.5#





#57

2,4-Dinitrotoluene

Concen: 3.851 ng

RT: 14.565 min Scan# 1953

Delta R.T. -0.280 min

Lab File: BG064161.D

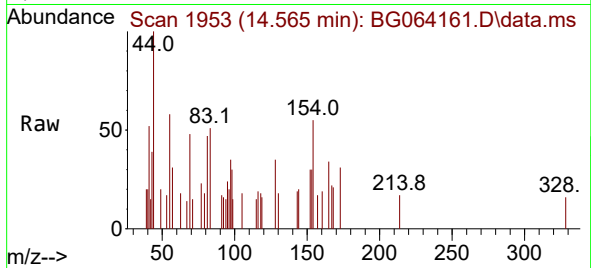
Acq: 2 Apr 2025 20:24

Instrument :

BNA\_G

ClientSampleId :

OR-02-040125



Tgt Ion:165 Resp: 504

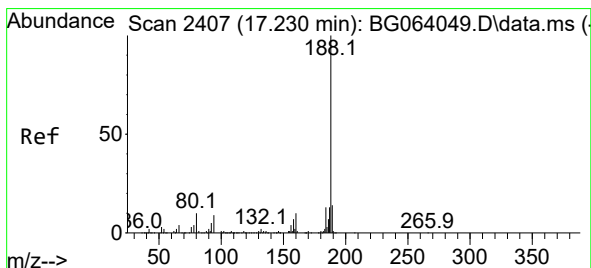
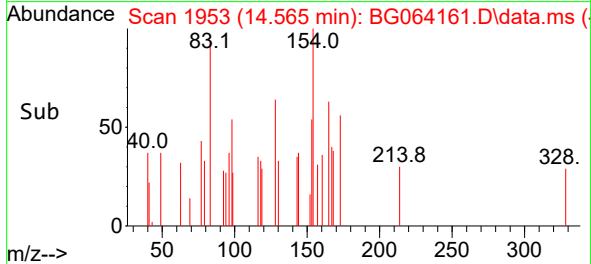
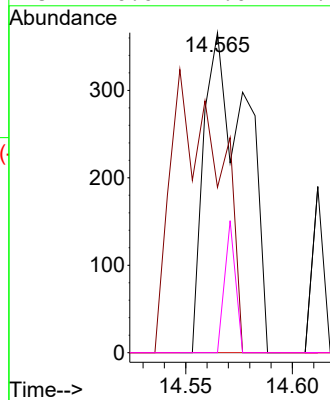
Ion Ratio Lower Upper

165 100

63 51.6 45.0 67.6

89 0.0 63.1 94.7#

182 0.0 1.0 1.4#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.226 min Scan# 2406

Delta R.T. -0.004 min

Lab File: BG064161.D

Acq: 2 Apr 2025 20:24

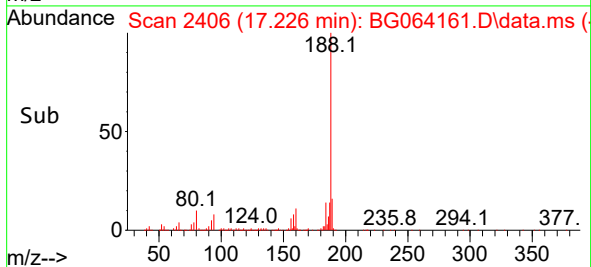
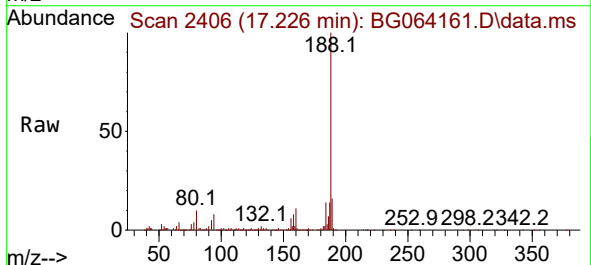
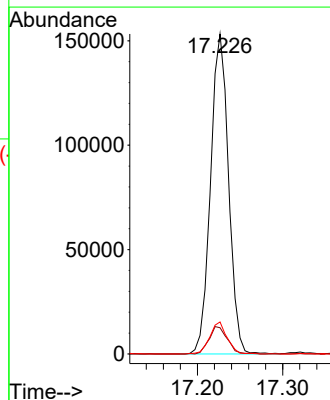
Tgt Ion:188 Resp: 225283

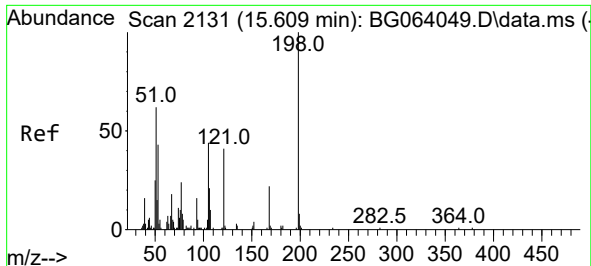
Ion Ratio Lower Upper

188 100

94 8.2 6.9 10.3

80 10.0 8.1 12.1

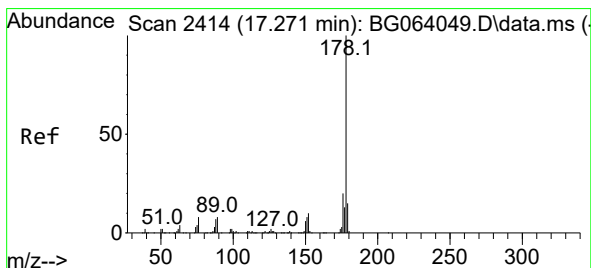
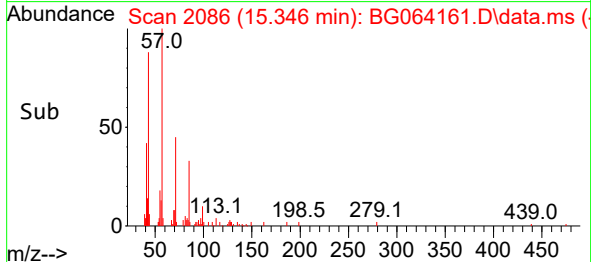
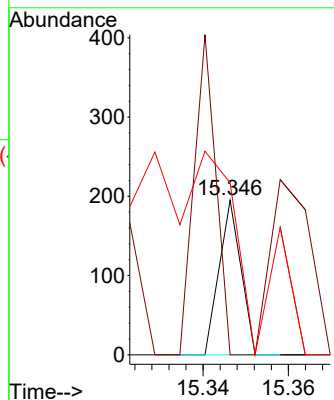
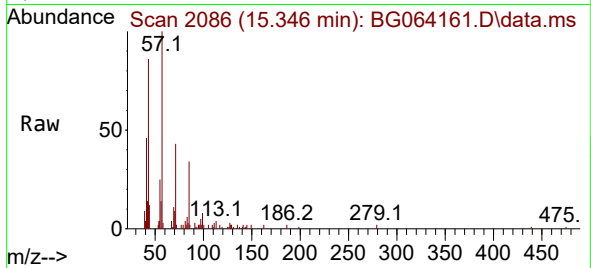




#65  
4,6-Dinitro-2-methylphenol  
Concen: 8.238 ng  
RT: 15.346 min Scan# 20  
Delta R.T. -0.263 min  
Lab File: BG064161.D  
Acq: 2 Apr 2025 20:24

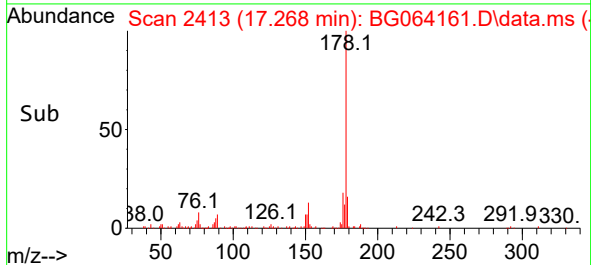
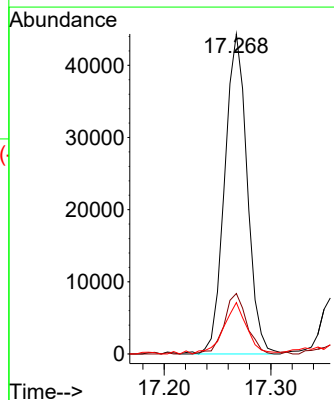
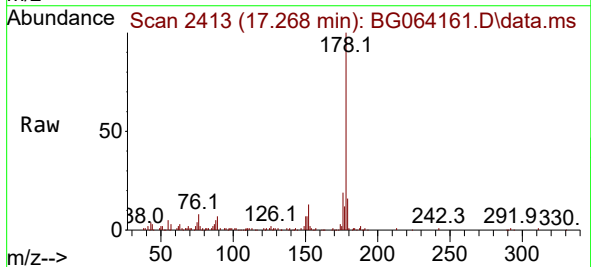
Instrument :  
BNA\_G  
ClientSampleId :  
OR-02-040125

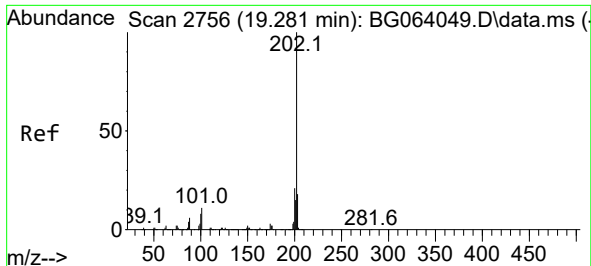
Tgt Ion:198 Resp: 69  
Ion Ratio Lower Upper  
198 100  
51 0.0 45.6 85.6#  
105 111.3 25.3 65.3#



#71  
Phenanthrene  
Concen: 5.411 ng  
RT: 17.268 min Scan# 2413  
Delta R.T. -0.004 min  
Lab File: BG064161.D  
Acq: 2 Apr 2025 20:24

Tgt Ion:178 Resp: 65022  
Ion Ratio Lower Upper  
178 100  
176 18.9 15.9 23.9  
179 16.0 12.2 18.2

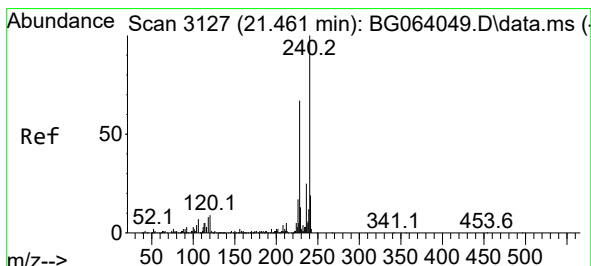
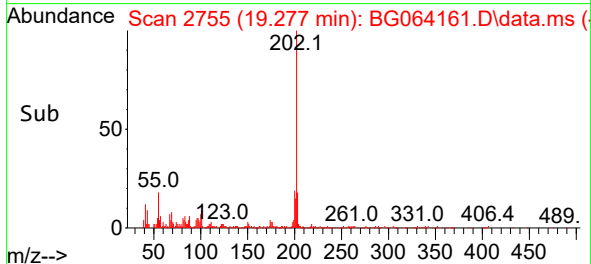
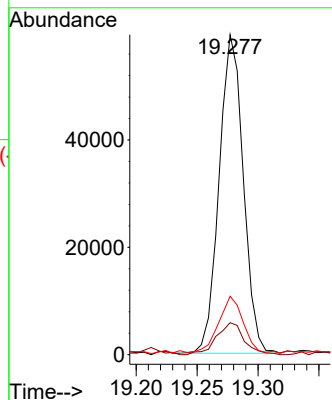
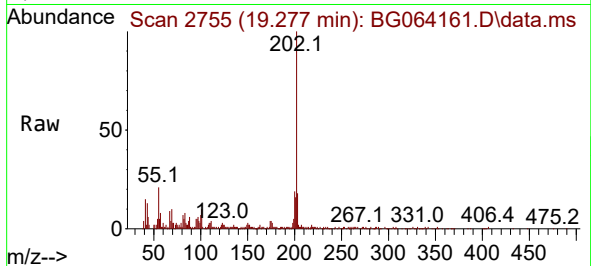




#75  
Fluoranthene  
Concen: 5.649 ng  
RT: 19.277 min Scan# 21  
Delta R.T. -0.004 min  
Lab File: BG064161.D  
Acq: 2 Apr 2025 20:24

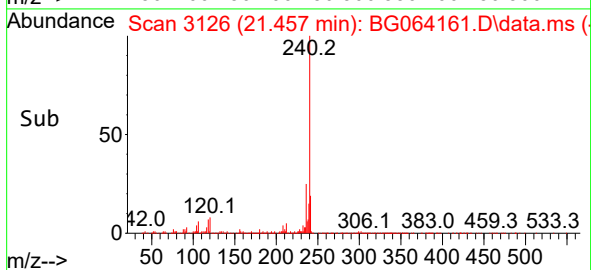
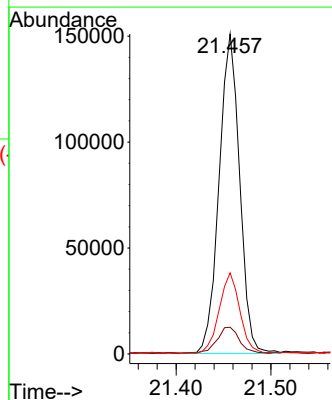
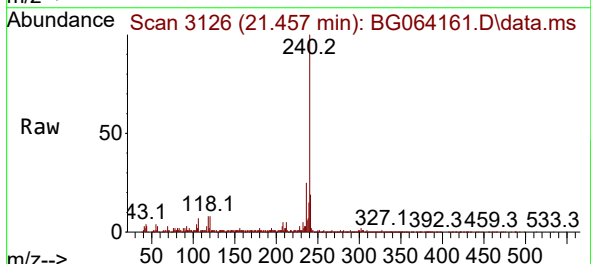
Instrument :  
BNA\_G  
ClientSampleId :  
OR-02-040125

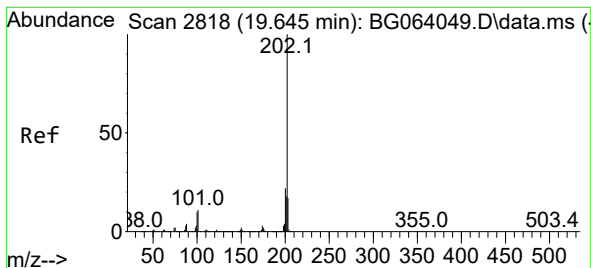
Tgt Ion:202 Resp: 81832  
Ion Ratio Lower Upper  
202 100  
101 10.0 0.0 30.5  
203 18.2 0.0 38.3



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.457 min Scan# 3126  
Delta R.T. -0.004 min  
Lab File: BG064161.D  
Acq: 2 Apr 2025 20:24

Tgt Ion:240 Resp: 227438  
Ion Ratio Lower Upper  
240 100  
120 8.4 7.2 10.8  
236 25.3 20.2 30.2





#78

Pyrene

Concen: 5.252 ng

RT: 19.641 min Scan# 2818

Delta R.T. -0.004 min

Lab File: BG064161.D

Acq: 2 Apr 2025 20:24

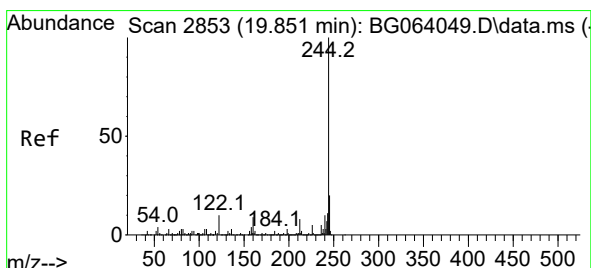
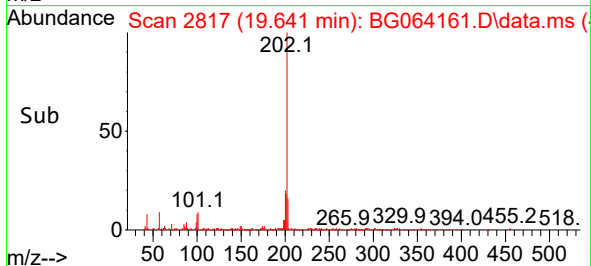
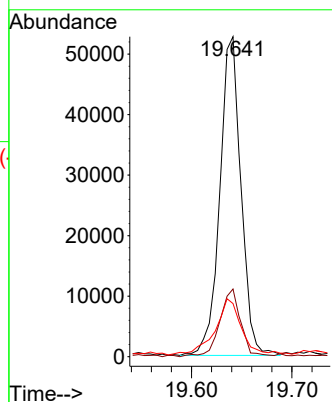
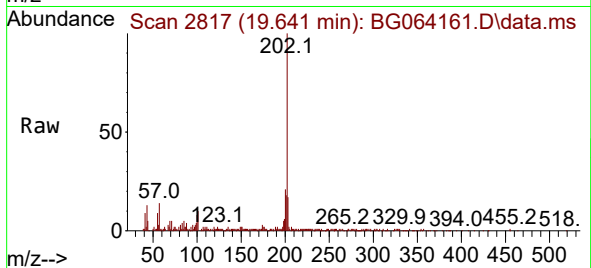
Instrument :

BNA\_G

ClientSampleId :

OR-02-040125

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 77004 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 200       | 21.1  | 17.3  | 25.9  |
| 203       | 16.6  | 13.6  | 20.4  |



#79

Terphenyl-d14

Concen: 12.371 ng

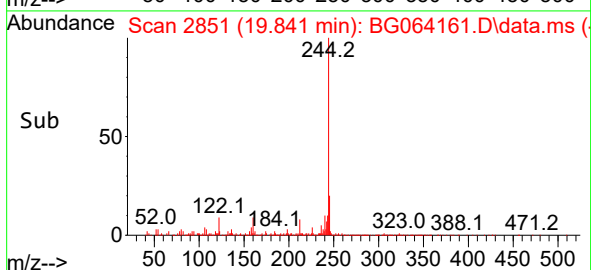
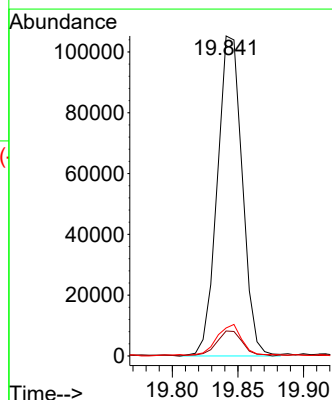
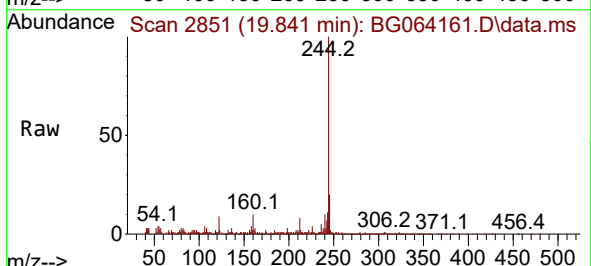
RT: 19.841 min Scan# 2851

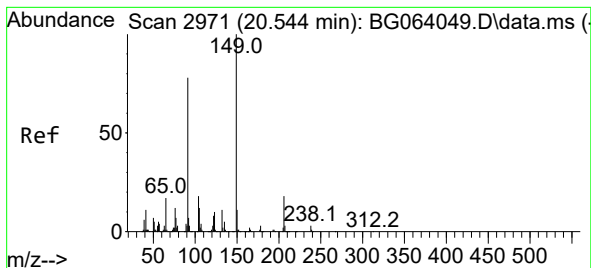
Delta R.T. -0.010 min

Lab File: BG064161.D

Acq: 2 Apr 2025 20:24

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 244   | Resp: | 139152 |
| Ion Ratio | Lower | Upper |        |
| 244       | 100   |       |        |
| 212       | 7.8   | 6.2   | 9.4    |
| 122       | 8.7   | 8.0   | 12.0   |





#80

Butylbenzylphthalate

Concen: 3.724 ng

RT: 20.746 min Scan# 3005

Delta R.T. 0.202 min

Lab File: BG064161.D

Acq: 2 Apr 2025 20:24

Instrument :

BNA\_G

ClientSampleId :

OR-02-040125

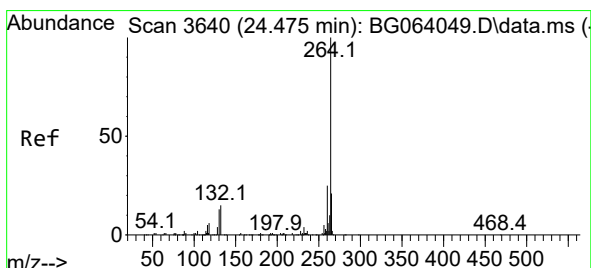
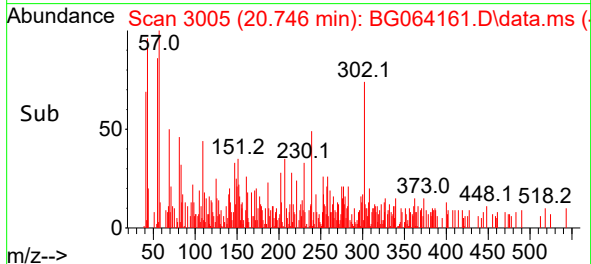
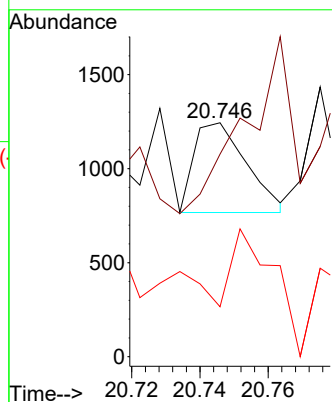
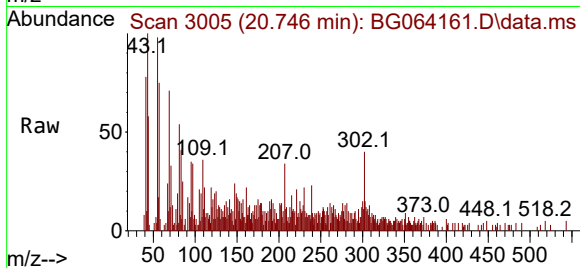
Tgt Ion:149 Resp: 512

Ion Ratio Lower Upper

149 100

91 86.6 62.0 93.0

206 21.4 14.6 21.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.477 min Scan# 3640

Delta R.T. 0.002 min

Lab File: BG064161.D

Acq: 2 Apr 2025 20:24

Tgt Ion:264 Resp: 252222

Ion Ratio Lower Upper

264 100

260 24.2 19.6 29.4

265 21.0 16.6 25.0

