

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG041224\  
 Data File : BG060877.D  
 Acq On : 12 Apr 2024 17:00  
 Operator : MA/JU  
 Sample : P2070-08  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-4

Quant Time: Apr 12 17:39:43 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG032924.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Mar 30 03:12:26 2024  
 Response via : Initial Calibration

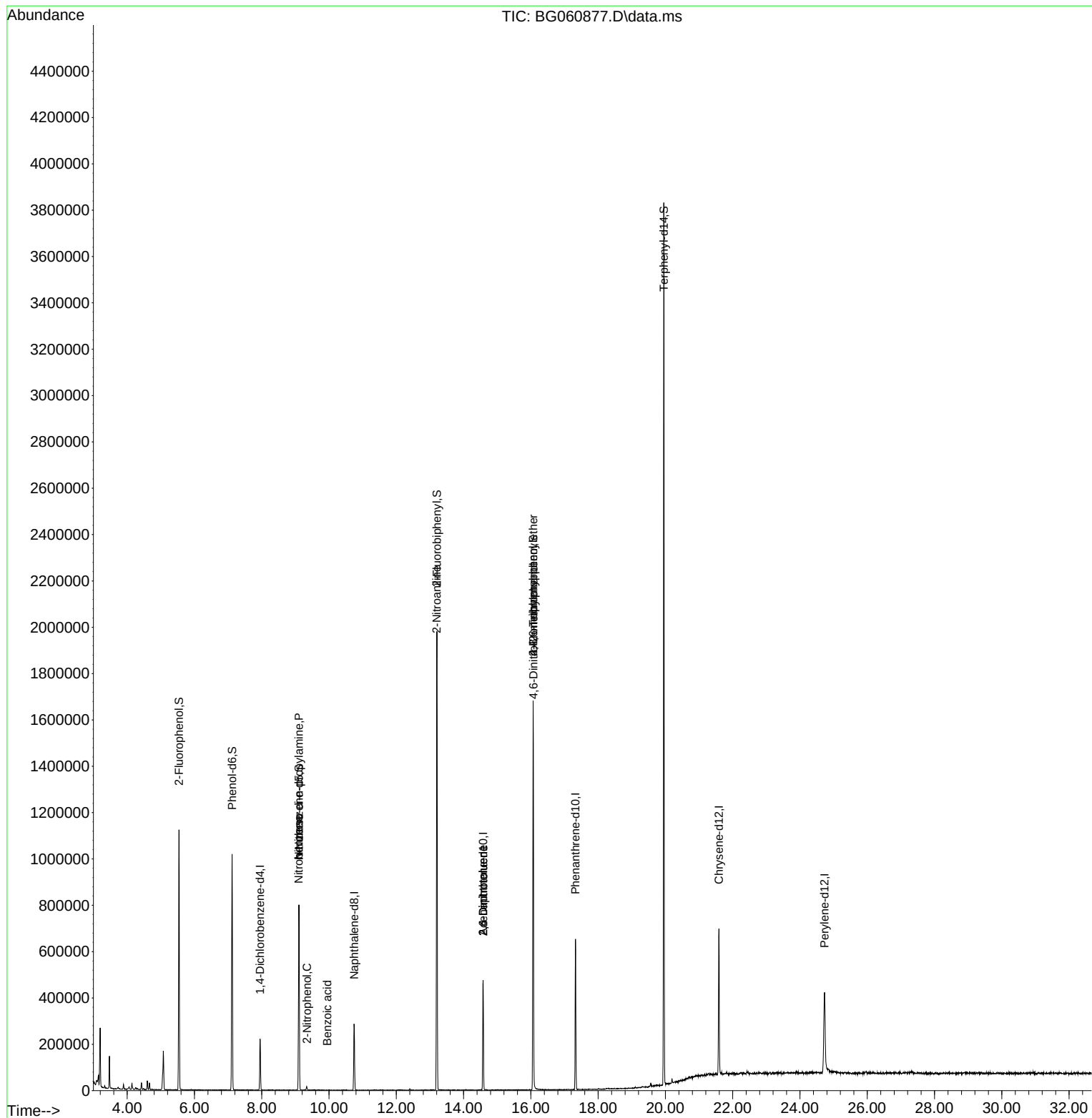
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.947  | 152  | 58896    | 20.000  | ng    | -0.01    |
| 21) Naphthalene-d8            | 10.744 | 136  | 226665   | 20.000  | ng    | -0.01    |
| 39) Acenaphthene-d10          | 14.581 | 164  | 174194   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.325 | 188  | 403988   | 20.000  | ng    | -0.01    |
| 76) Chrysene-d12              | 21.590 | 240  | 381913   | 20.000  | ng    | -0.01    |
| 86) Perylene-d12              | 24.728 | 264  | 438550   | 20.000  | ng    | -0.02    |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.538  | 112  | 414089   | 117.126 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.119  | 99   | 511743   | 97.514  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.105  | 82   | 427015   | 107.499 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.067 | 330  | 350502   | 177.255 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.206 | 172  | 1031786  | 86.931  | ng    | -0.01    |
| 79) Terphenyl-d14             | 19.951 | 244  | 1888454  | 87.068  | ng    | -0.01    |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 9.105  | 70   | 58218    | 14.547  | ng    | # 76     |
| 24) Nitrobenzene              | 9.099  | 77   | 1512     | 3.095   | ng    | # 39     |
| 26) 2-Nitrophenol             | 9.346  | 139  | 75       | 3.013   | ng    | # 31     |
| 32) Benzoic acid              | 9.951  | 122  | 69       | 6.860   | ng    | # 1      |
| 48) 2-Nitroaniline            | 13.200 | 65   | 1584     | 3.343   | ng    | # 1      |
| 51) 2,6-Dinitrotoluene        | 14.581 | 165  | 22488    | 11.952  | ng    | # 17     |
| 57) 2,4-Dinitrotoluene        | 14.581 | 165  | 22488    | 10.060  | ng    | # 18     |
| 65) 4,6-Dinitro-2-methylph... | 16.073 | 198  | 868      | 7.478   | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 16.067 | 248  | 23640    | 5.766   | ng    | # 1      |
| -----                         |        |      |          |         |       |          |

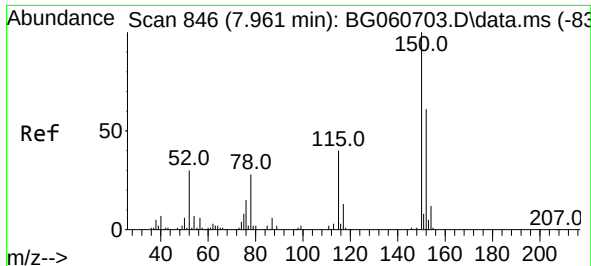
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG041224\  
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Quant Time: Apr 12 17:39:43 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG032924.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Mar 30 03:12:26 2024  
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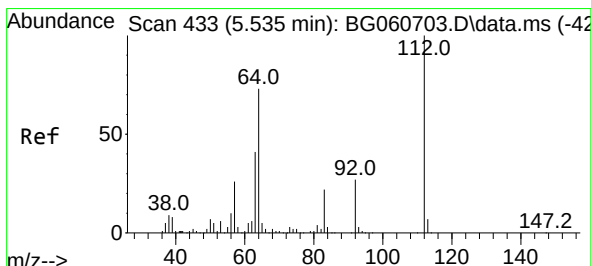
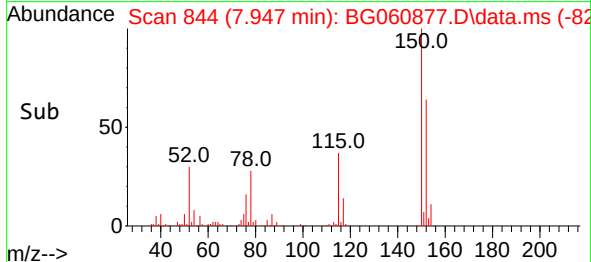
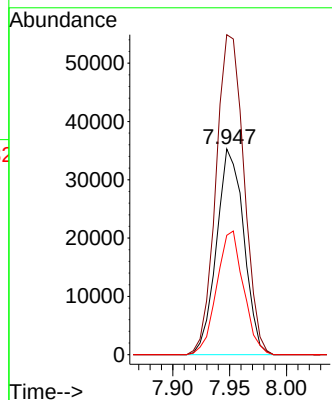
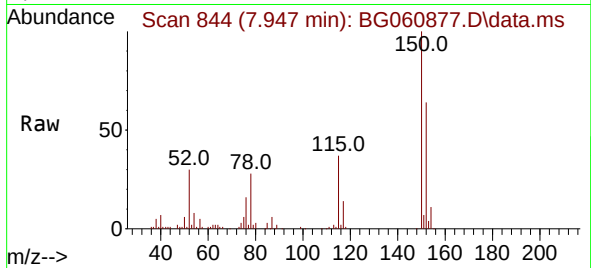




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.947 min Scan# 846  
Delta R.T. -0.014 min  
Lab File: BG060877.D  
Acq: 12 Apr 2024 17:00

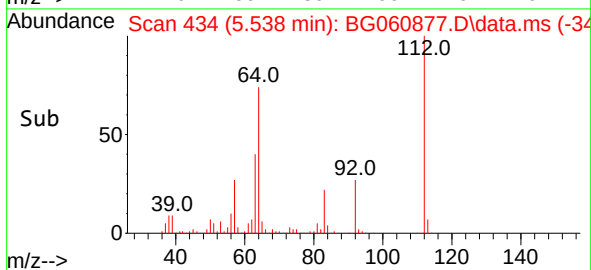
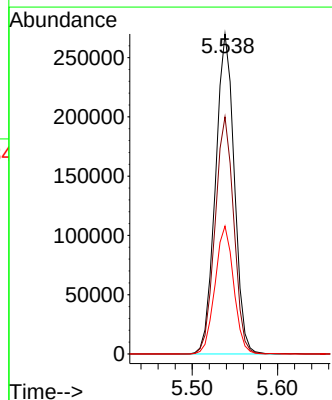
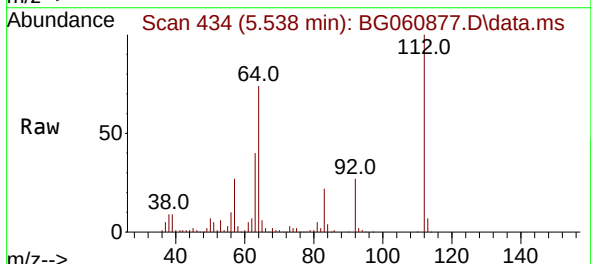
Instrument :  
BNA\_G  
ClientSampleId :  
TP-4

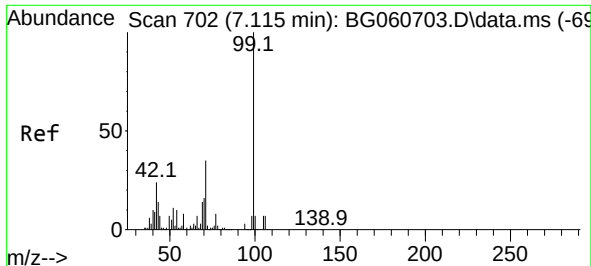
Tgt Ion:152 Resp: 58896  
Ion Ratio Lower Upper  
152 100  
150 155.5 130.2 195.4  
115 58.0 51.6 77.4



#5  
2-Fluorophenol  
Concen: 117.126 ng  
RT: 5.538 min Scan# 434  
Delta R.T. 0.004 min  
Lab File: BG060877.D  
Acq: 12 Apr 2024 17:00

Tgt Ion:112 Resp: 414089  
Ion Ratio Lower Upper  
112 100  
64 74.1 58.4 87.6  
63 39.9 32.7 49.1

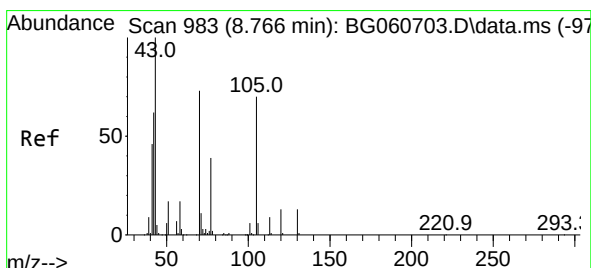
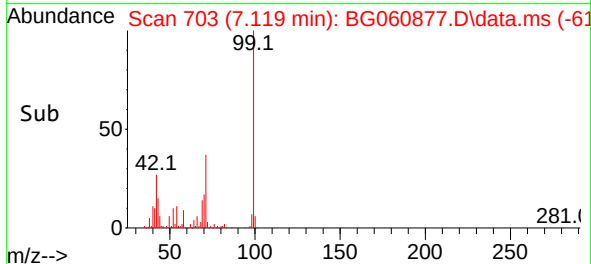
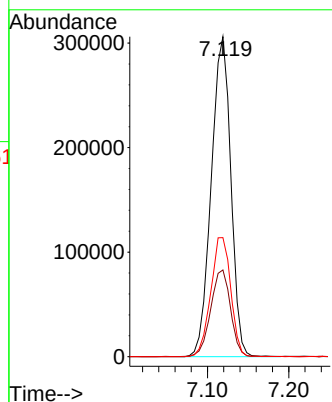
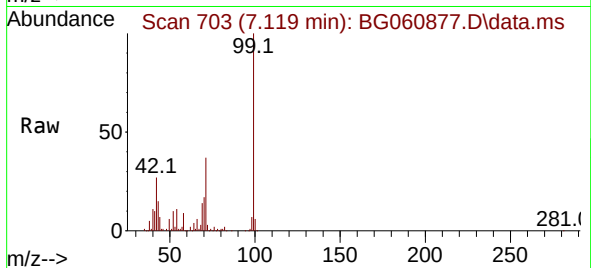




#7  
Phenol-d6  
Concen: 97.514 ng  
RT: 7.119 min Scan# 70  
Delta R.T. 0.004 min  
Lab File: BG060877.D  
Acq: 12 Apr 2024 17:00

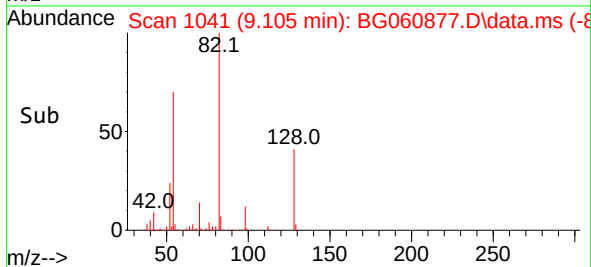
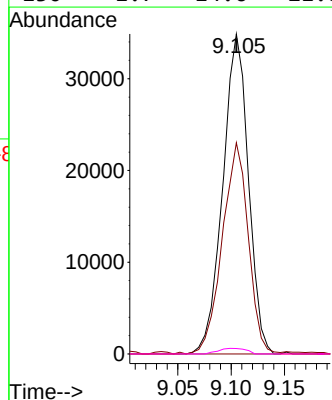
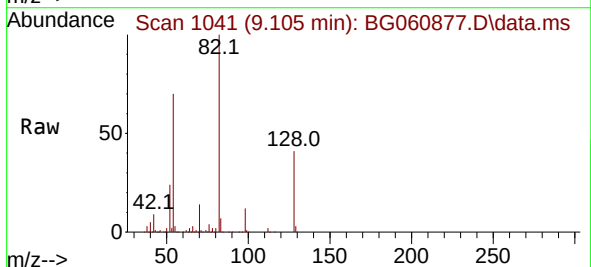
Instrument :  
BNA\_G  
ClientSampleId :  
TP-4

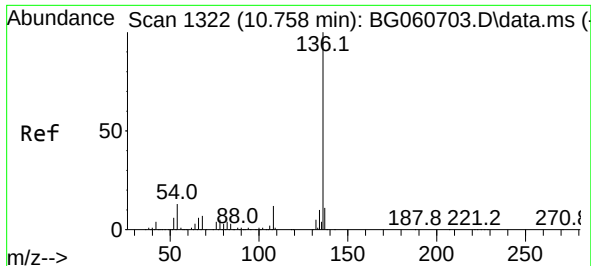
Tgt Ion: 99 Resp: 511743  
Ion Ratio Lower Upper  
99 100  
42 27.1 19.4 29.2  
71 37.2 28.2 42.2



#19  
n-Nitroso-di-n-propylamine  
Concen: 14.547 ng  
RT: 9.105 min Scan# 1041  
Delta R.T. 0.339 min  
Lab File: BG060877.D  
Acq: 12 Apr 2024 17:00

Tgt Ion: 70 Resp: 58218  
Ion Ratio Lower Upper  
70 100  
42 66.0 68.4 102.6#  
101 0.0 6.1 9.1#  
130 1.7 14.6 21.8#

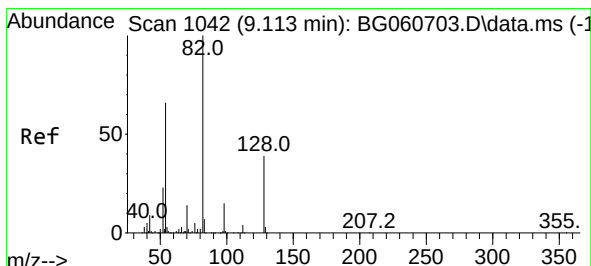
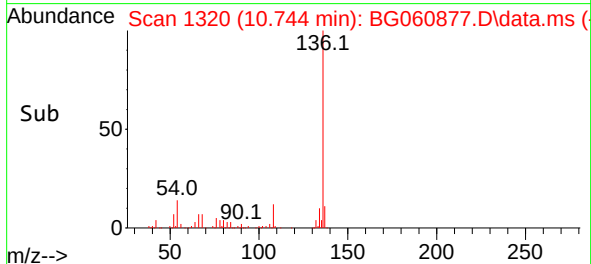
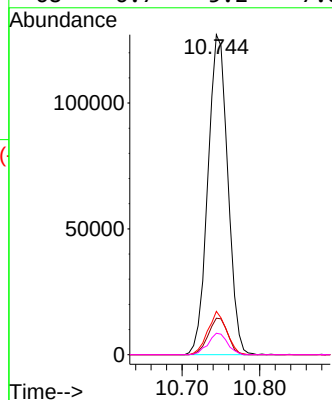
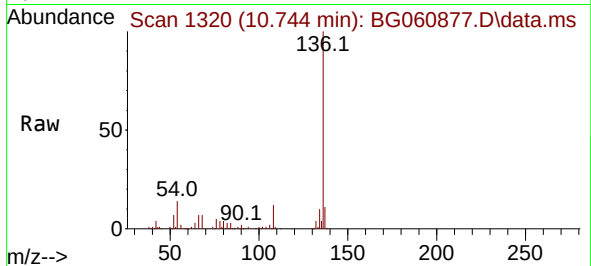




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.744 min Scan# 11  
Delta R.T. -0.014 min  
Lab File: BG060877.D  
Acq: 12 Apr 2024 17:00

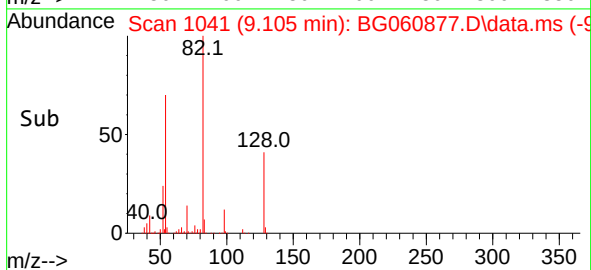
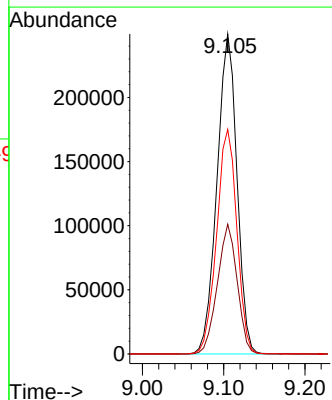
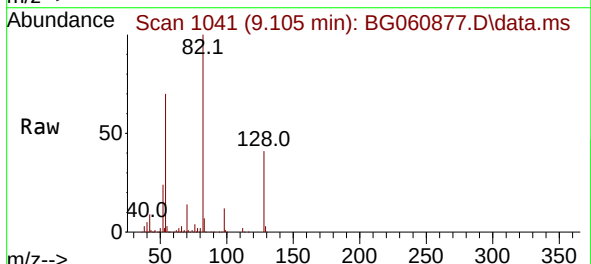
Instrument :  
BNA\_G  
ClientSampleId :  
TP-4

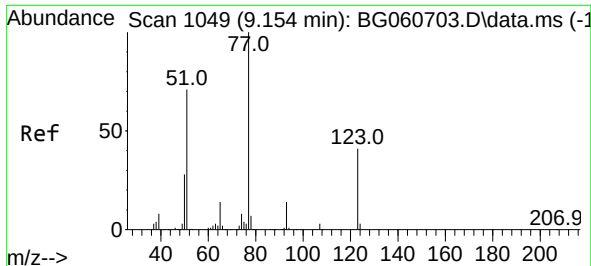
|             |       |        |       |
|-------------|-------|--------|-------|
| Tgt Ion:136 | Resp: | 226665 |       |
| Ion         | Ratio | Lower  | Upper |
| 136         | 100   |        |       |
| 137         | 11.4  | 8.8    | 13.2  |
| 54          | 13.5  | 10.2   | 15.2  |
| 68          | 6.7   | 5.2    | 7.8   |



#23  
Nitrobenzene-d5  
Concen: 107.499 ng  
RT: 9.105 min Scan# 1041  
Delta R.T. -0.008 min  
Lab File: BG060877.D  
Acq: 12 Apr 2024 17:00

|             |              |
|-------------|--------------|
| Tgt Ion: 82 | Resp: 427015 |
| Ion Ratio   | Lower Upper  |
| 82 100      |              |
| 128 40.6    | 31.2 46.8    |
| 54 70.2     | 53.2 79.8    |

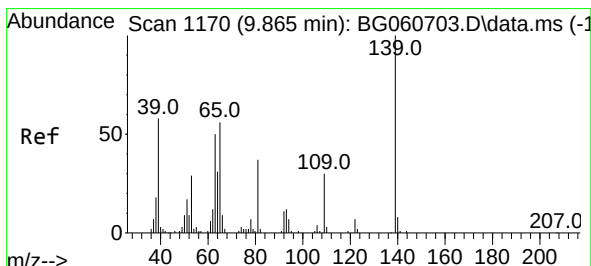
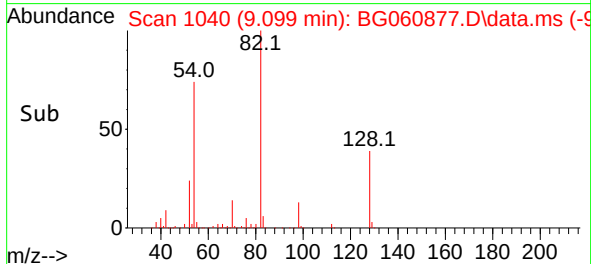
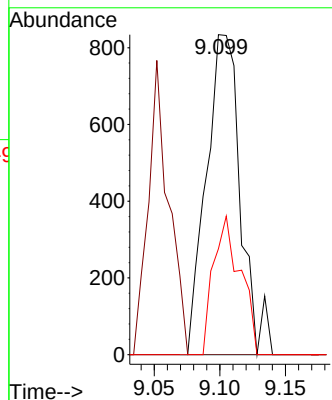
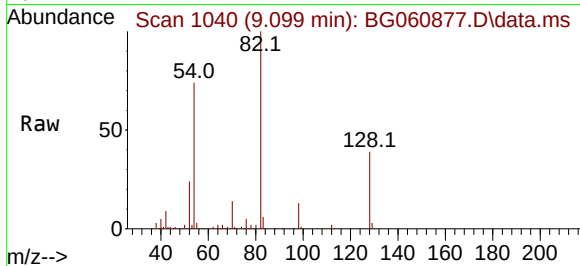




#24  
Nitrobenzene  
Concen: 3.095 ng  
RT: 9.099 min Scan# 1049  
Delta R.T. -0.055 min  
Lab File: BG060877.D  
Acq: 12 Apr 2024 17:00

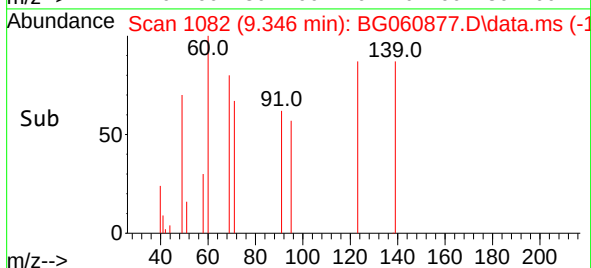
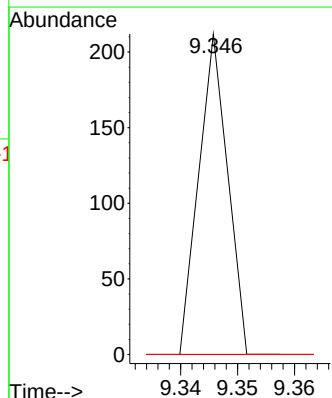
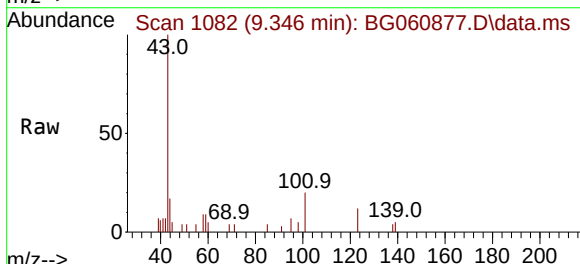
Instrument :  
BNA\_G  
ClientSampleId :  
TP-4

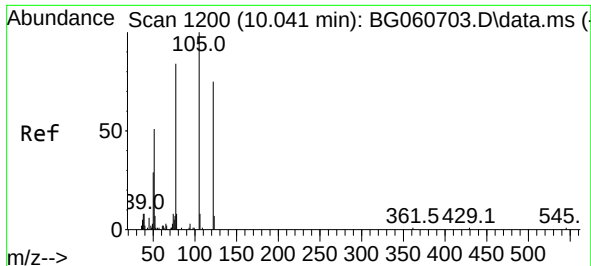
Tgt Ion: 77 Resp: 1512  
Ion Ratio Lower Upper  
77 100  
123 0.0 32.7 49.1#  
65 33.1 11.3 16.9#



#26  
2-Nitrophenol  
Concen: 3.013 ng  
RT: 9.346 min Scan# 1082  
Delta R.T. -0.519 min  
Lab File: BG060877.D  
Acq: 12 Apr 2024 17:00

Tgt Ion: 139 Resp: 75  
Ion Ratio Lower Upper  
139 100  
109 0.0 23.9 35.9#  
65 0.0 44.5 66.7#

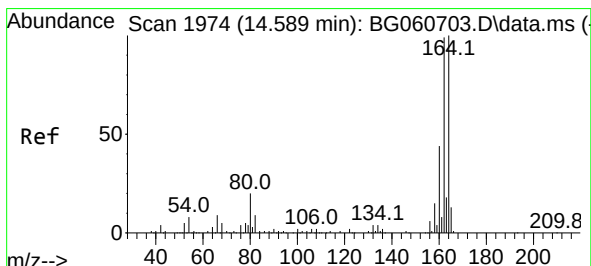
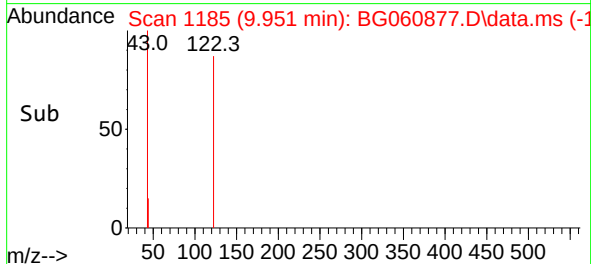
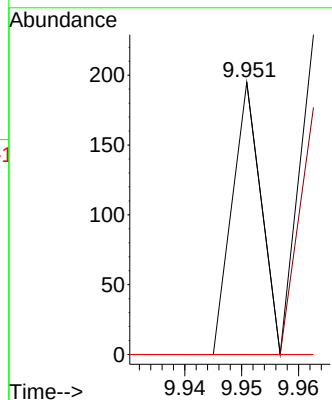
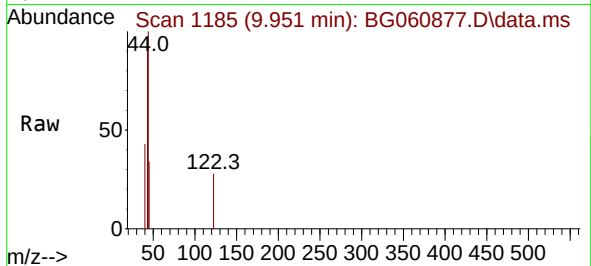




#32  
Benzoic acid  
Concen: 6.860 ng  
RT: 9.951 min Scan# 1185  
Delta R.T. -0.090 min  
Lab File: BG060877.D  
Acq: 12 Apr 2024 17:00

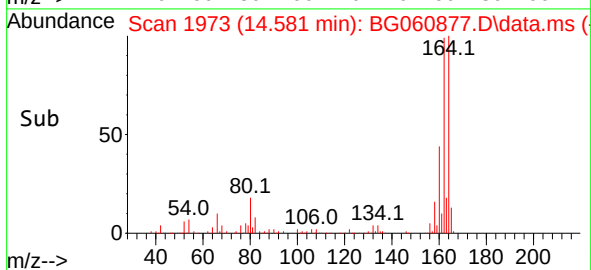
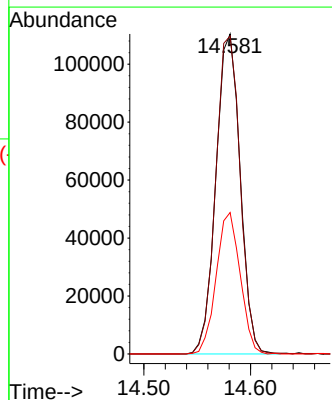
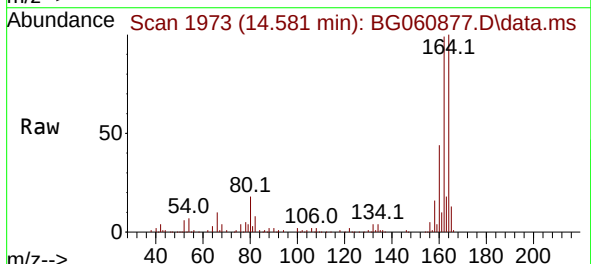
Instrument :  
BNA\_G  
ClientSampleId :  
TP-4

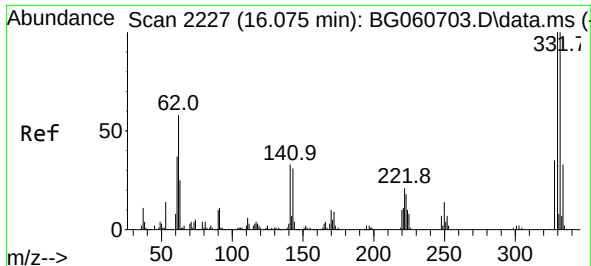
Tgt Ion:122 Resp: 69  
Ion Ratio Lower Upper  
122 100  
105 0.0 104.5 144.5#  
77 0.0 85.3 125.3#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.581 min Scan# 1973  
Delta R.T. -0.008 min  
Lab File: BG060877.D  
Acq: 12 Apr 2024 17:00

Tgt Ion:164 Resp: 174194  
Ion Ratio Lower Upper  
164 100  
162 99.4 79.5 119.3  
160 44.2 35.4 53.0

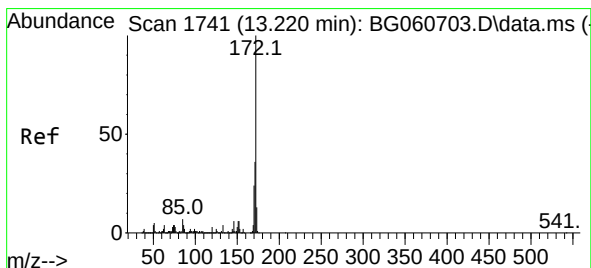
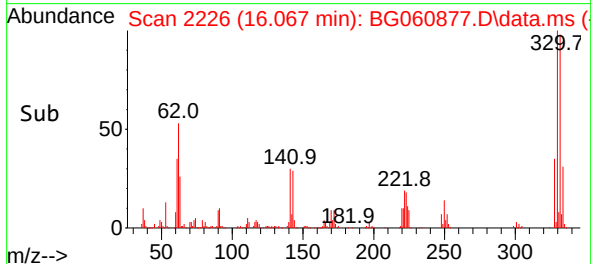
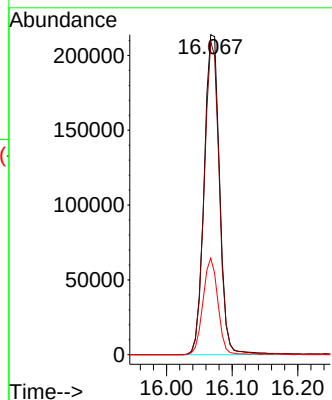
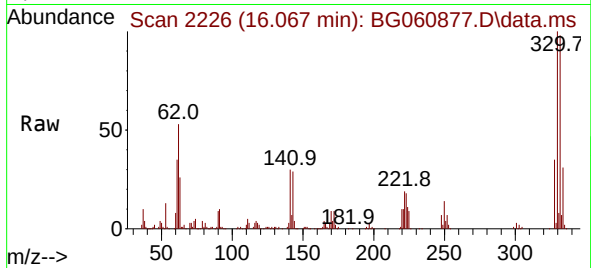




#42  
2,4,6-Tribromophenol  
Concen: 177.255 ng  
RT: 16.067 min Scan# 21  
Delta R.T. -0.008 min  
Lab File: BG060877.D  
Acq: 12 Apr 2024 17:00

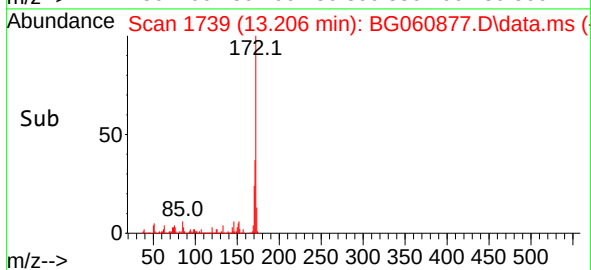
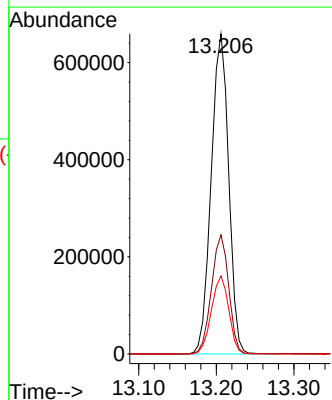
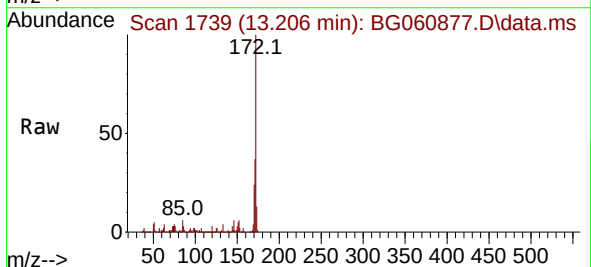
Instrument :  
BNA\_G  
ClientSampleId :  
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Tgt Ion:330 Resp: 350502  
Ion Ratio Lower Upper  
330 100  
332 95.9 78.2 117.4  
141 29.0 27.0 40.6

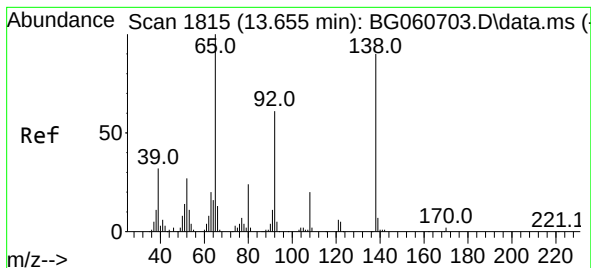


#45  
2-Fluorobiphenyl  
Concen: 86.931 ng  
RT: 13.206 min Scan# 1739  
Delta R.T. -0.014 min  
Lab File: BG060877.D  
Acq: 12 Apr 2024 17:00

Tgt Ion:172 Resp: 1031786  
Ion Ratio Lower Upper  
172 100  
171 37.2 28.7 43.1  
170 24.4 19.4 29.0







#48

2-Nitroaniline

Concen: 3.343 ng

RT: 13.200 min Scan# 1

Delta R.T. -0.455 min

Lab File: BG060877.D

Acq: 12 Apr 2024 17:00

Instrument :

BNA\_G

ClientSampleId :

TP-4

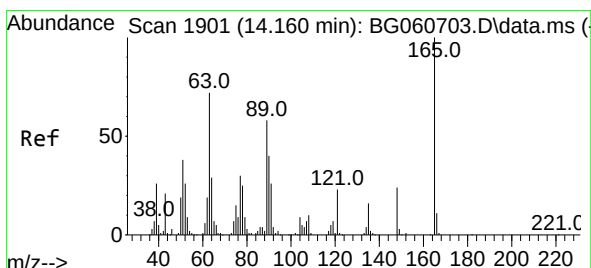
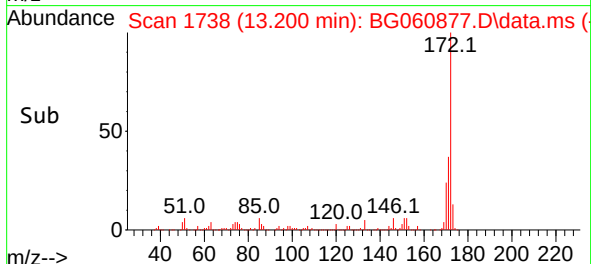
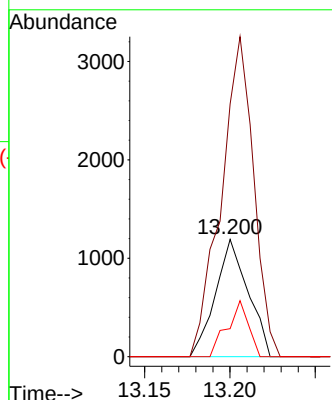
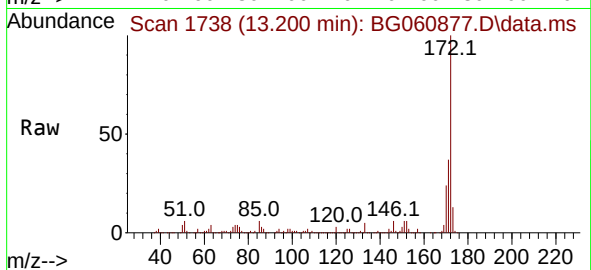
Tgt Ion: 65 Resp: 1584

Ion Ratio Lower Upper

65 100

92 215.4 48.6 72.8#

138 23.9 72.2 108.4#



#51

2,6-Dinitrotoluene

Concen: 11.952 ng

RT: 14.581 min Scan# 1973

Delta R.T. 0.421 min

Lab File: BG060877.D

Acq: 12 Apr 2024 17:00

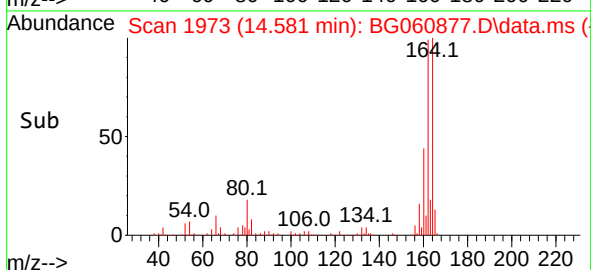
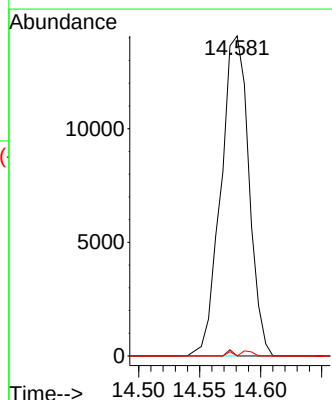
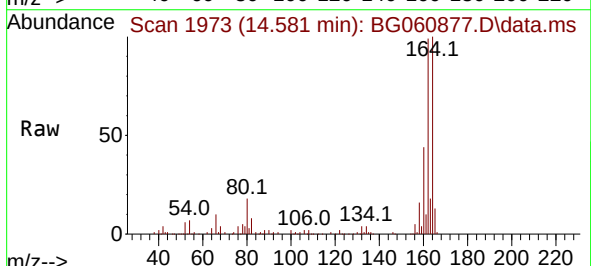
Tgt Ion:165 Resp: 22488

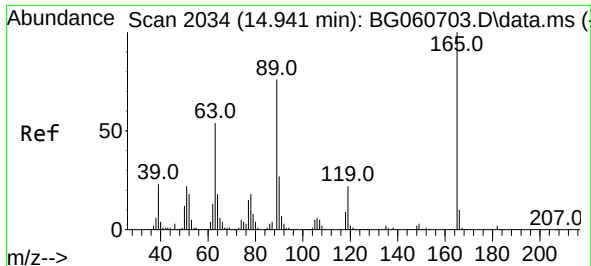
Ion Ratio Lower Upper

165 100

63 0.0 58.2 87.4#

89 0.0 46.1 69.1#





#57

2,4-Dinitrotoluene

Concen: 10.060 ng

RT: 14.581 min Scan# 1973

Delta R.T. -0.360 min

Lab File: BG060877.D

Acq: 12 Apr 2024 17:00

Instrument :

BNA\_G

ClientSampleId :

TP-4

Tgt Ion:165 Resp: 22488

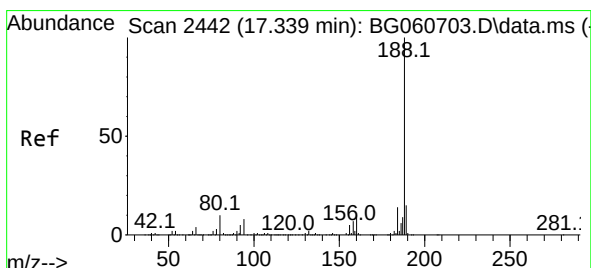
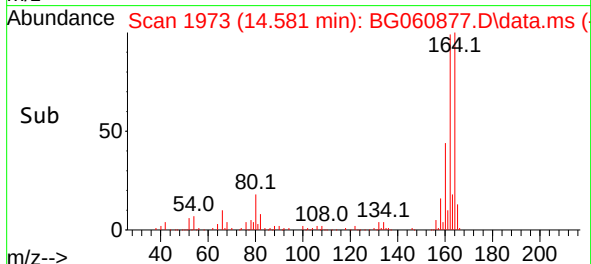
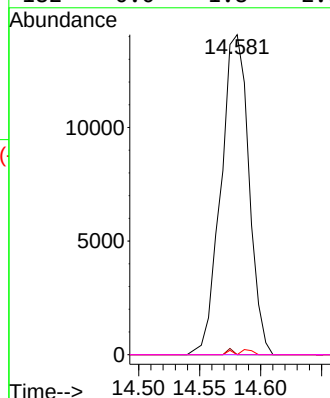
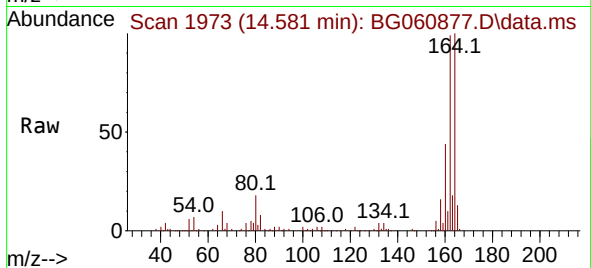
Ion Ratio Lower Upper

165 100

63 0.0 43.4 65.0#

89 0.0 61.0 91.6#

182 0.0 1.8 2.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.325 min Scan# 2440

Delta R.T. -0.014 min

Lab File: BG060877.D

Acq: 12 Apr 2024 17:00

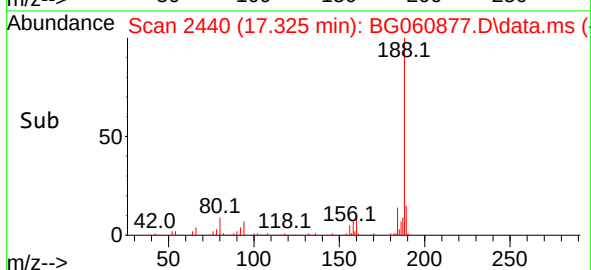
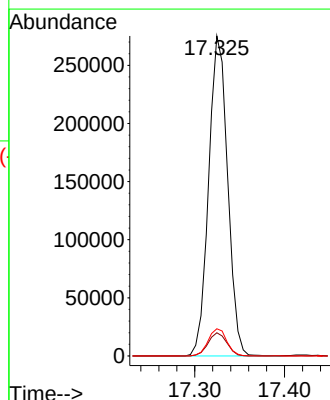
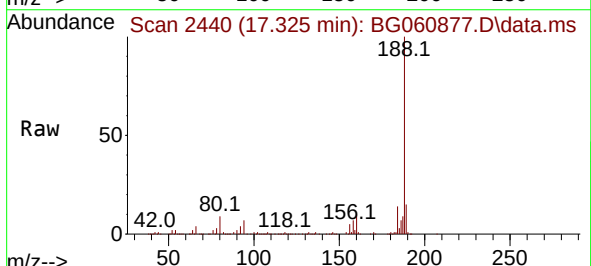
Tgt Ion:188 Resp: 403988

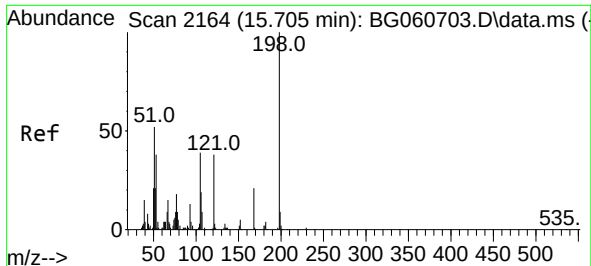
Ion Ratio Lower Upper

188 100

94 7.2 6.6 9.8

80 8.5 7.6 11.4

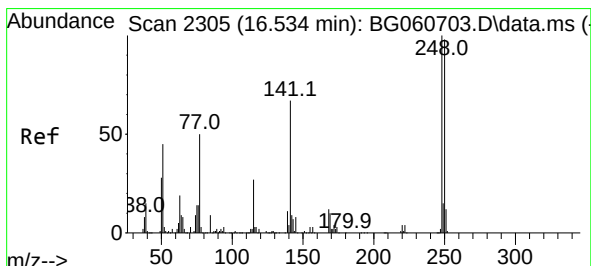
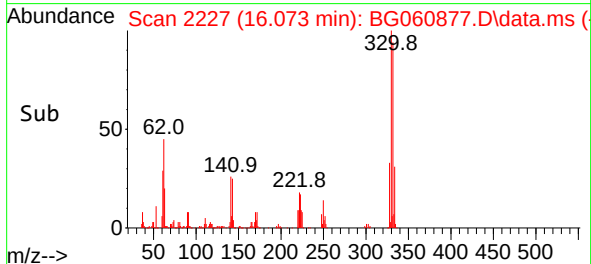
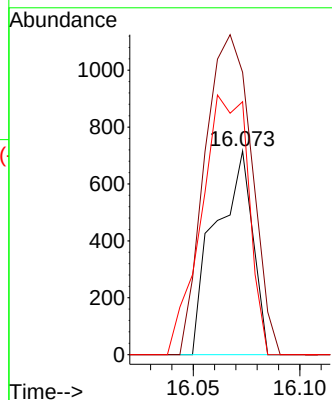
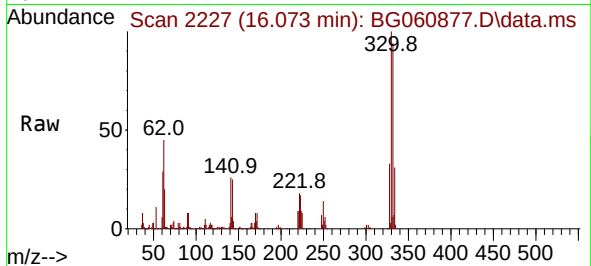




#65  
4,6-Dinitro-2-methylphenol  
Concen: 7.478 ng  
RT: 16.073 min Scan# 2164  
Delta R.T. 0.368 min  
Lab File: BG060877.D  
Acq: 12 Apr 2024 17:00

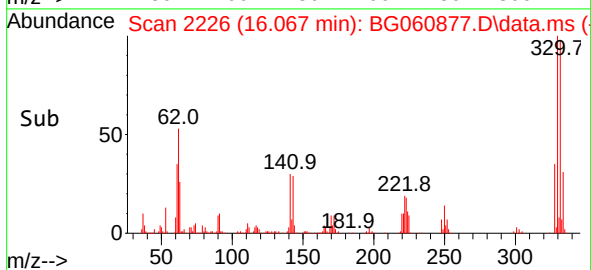
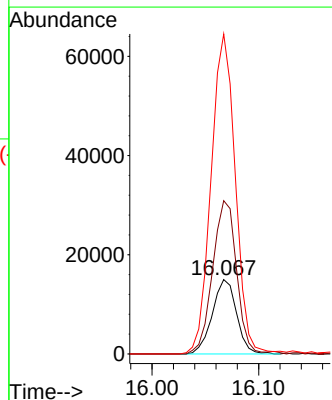
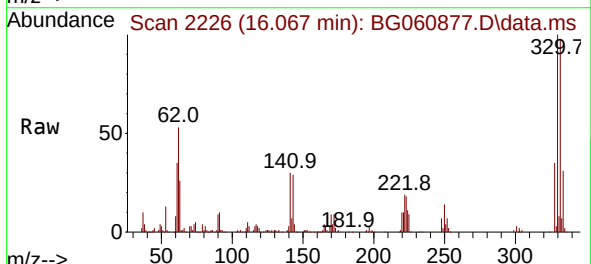
Instrument :  
BNA\_G  
ClientSampleId :  
TP-4

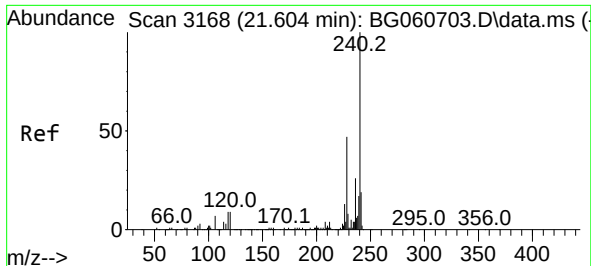
Tgt Ion:198 Resp: 868  
Ion Ratio Lower Upper  
198 100  
51 138.7 36.7 76.7#  
105 124.2 19.1 59.1#



#67  
4-Bromophenyl-phenylether  
Concen: 5.766 ng  
RT: 16.067 min Scan# 2226  
Delta R.T. -0.467 min  
Lab File: BG060877.D  
Acq: 12 Apr 2024 17:00

Tgt Ion:248 Resp: 23640  
Ion Ratio Lower Upper  
248 100  
250 206.0 78.3 117.5#  
141 429.9 53.7 80.5#

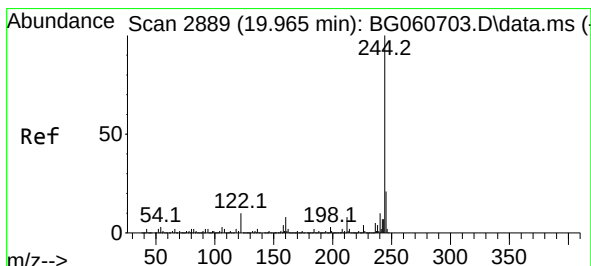
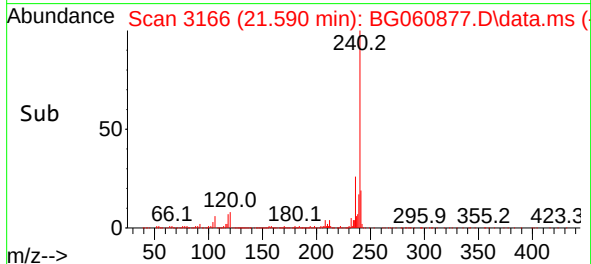
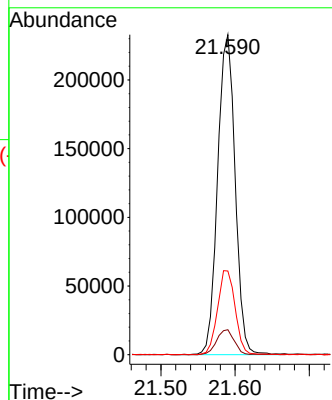
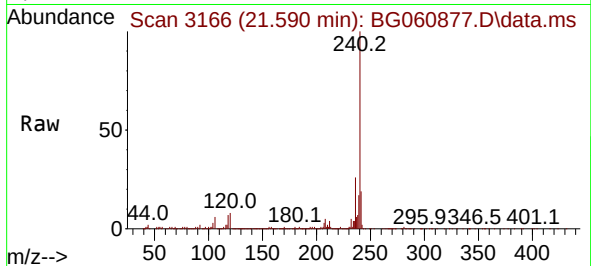




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.590 min Scan# 3168  
Delta R.T. -0.014 min  
Lab File: BG060877.D  
Acq: 12 Apr 2024 17:00

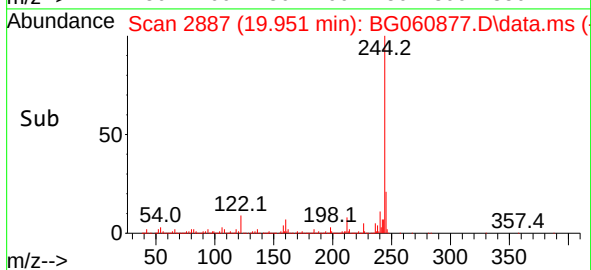
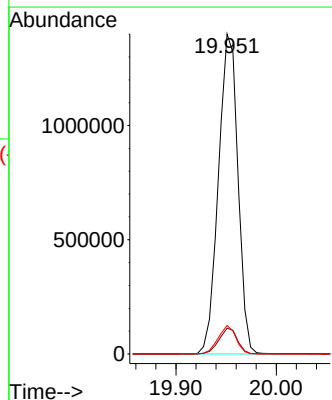
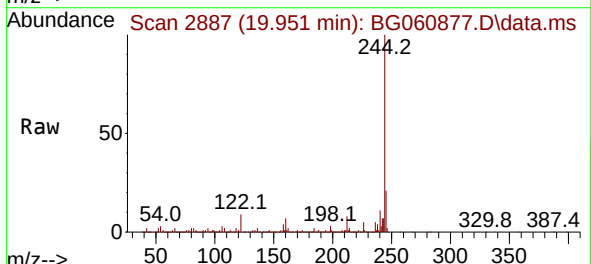
Instrument :  
BNA\_G  
ClientSampleId :  
TP-4

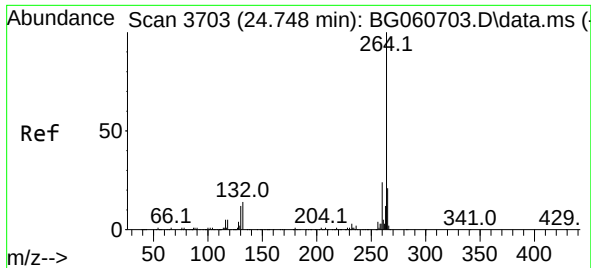
Tgt Ion:240 Resp: 381913  
Ion Ratio Lower Upper  
240 100  
120 7.8 7.1 10.7  
236 26.1 20.7 31.1



#79  
Terphenyl-d14  
Concen: 87.068 ng  
RT: 19.951 min Scan# 2887  
Delta R.T. -0.014 min  
Lab File: BG060877.D  
Acq: 12 Apr 2024 17:00

Tgt Ion:244 Resp: 1888454  
Ion Ratio Lower Upper  
244 100  
212 8.1 6.2 9.2  
122 8.9 7.8 11.8





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.728 min Scan# 31  
 Delta R.T. -0.020 min  
 Lab File: BG060877.D  
 Acq: 12 Apr 2024 17:00

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-4

Tgt Ion:264 Resp: 438550  
 Ion Ratio Lower Upper  
 264 100  
 260 24.2 19.5 29.3  
 265 20.6 16.9 25.3

