

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG040124\  
 Data File : BG060715.D  
 Acq On : 1 Apr 2024 14:37  
 Operator : MA/JU  
 Sample : P1917-01  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CCM-2

Quant Time: Apr 01 15:07:25 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

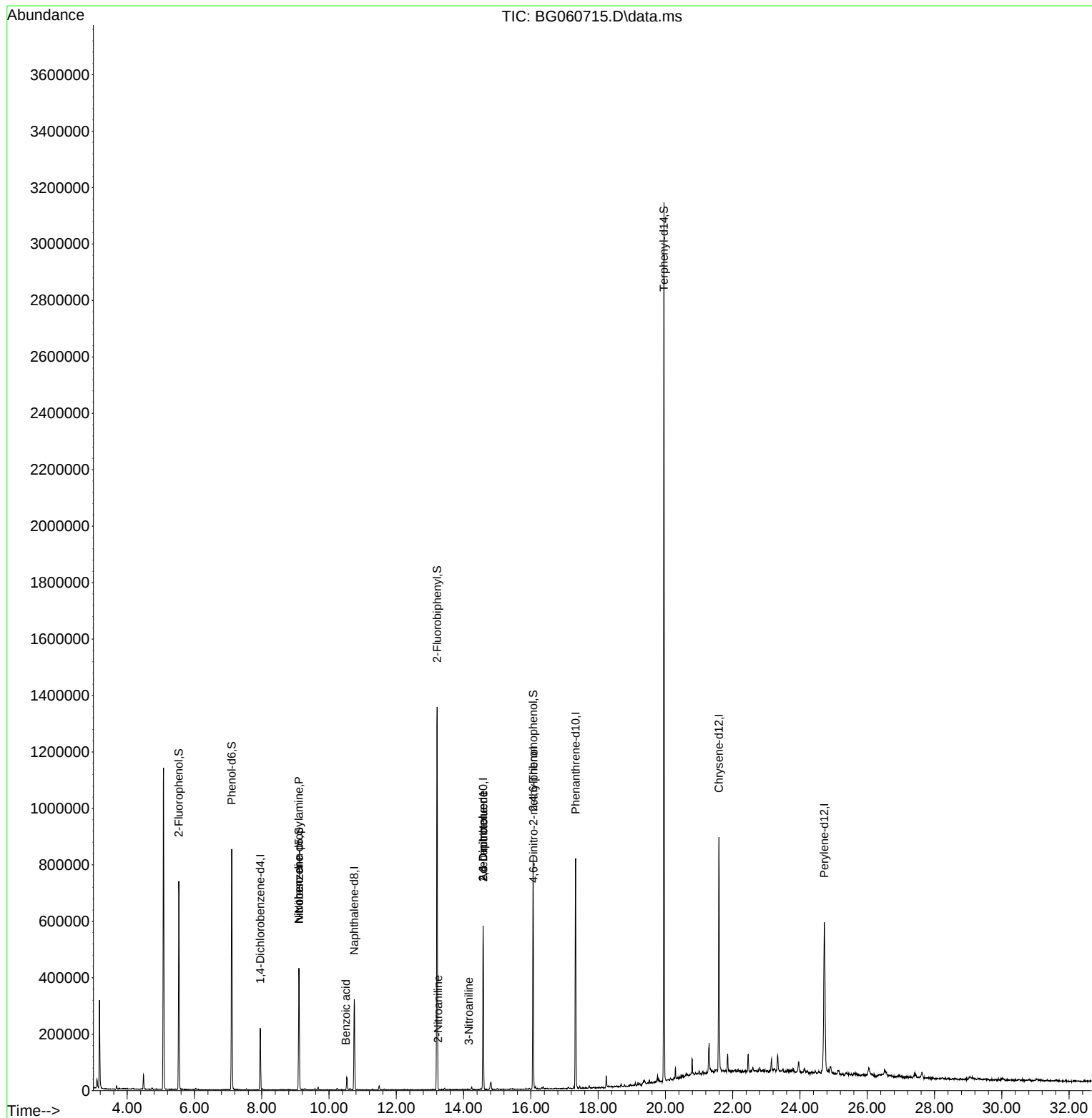
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.953  | 152  | 57657    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.750 | 136  | 255570   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.581 | 164  | 204354   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.330 | 188  | 523535   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 21.590 | 240  | 496731   | 20.000 | ng    | -0.01    |
| 86) Perylene-d12              | 24.722 | 264  | 577021   | 20.000 | ng    | -0.03    |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.533  | 112  | 293667   | 84.849 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.107  | 99   | 434877   | 84.648 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.105  | 82   | 220055   | 49.132 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.067 | 330  | 155206   | 66.906 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.212 | 172  | 705696   | 50.682 | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.957 | 244  | 1552242  | 55.025 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 9.105  | 70   | 29131    | 7.435  | ng    | # 77     |
| 24) Nitrobenzene              | 9.105  | 77   | 1114     | 2.983  | ng    | # 42     |
| 32) Benzoic acid              | 10.497 | 122  | 54       | 6.853  | ng    | # 1      |
| 48) 2-Nitroaniline            | 13.241 | 65   | 59       | 2.808  | ng    | # 11     |
| 51) 2,6-Dinitrotoluene        | 14.581 | 165  | 27067    | 12.172 | ng    | # 19     |
| 53) 3-Nitroaniline            | 14.158 | 138  | 65       | 2.870  | ng    | # 1      |
| 57) 2,4-Dinitrotoluene        | 14.581 | 165  | 27067    | 10.236 | ng    | # 20     |
| 65) 4,6-Dinitro-2-methylph... | 16.073 | 198  | 372      | 7.181  | ng    | # 5      |
| -----                         |        |      |          |        |       |          |

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

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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG032924.M  
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QLast Update : Sat Mar 30 03:12:26 2024  
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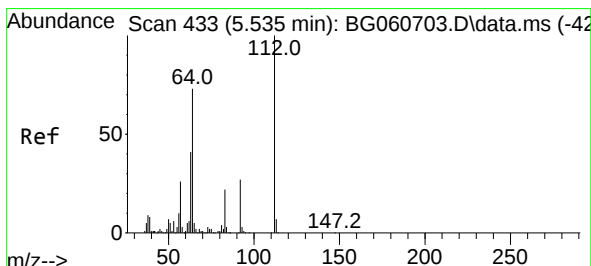
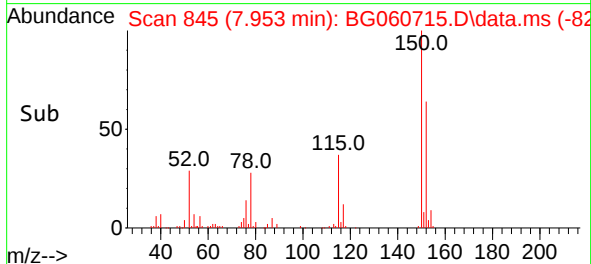
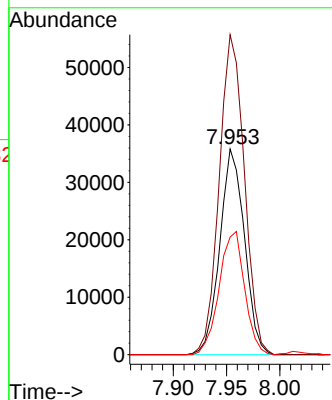
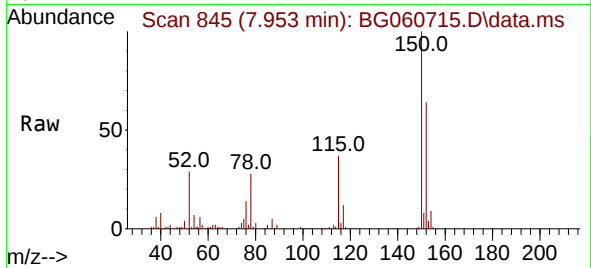




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.953 min Scan# 846  
Delta R.T. -0.008 min  
Lab File: BG060715.D  
Acq: 1 Apr 2024 14:37

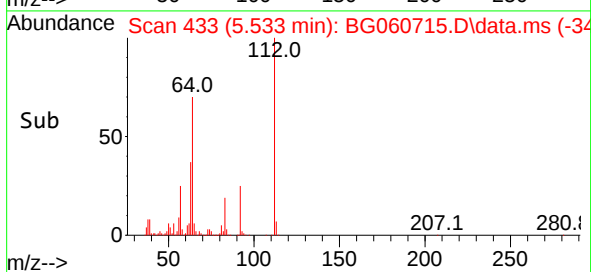
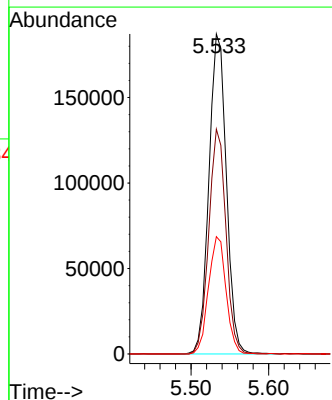
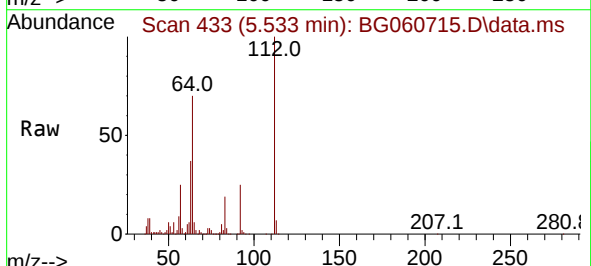
Instrument :  
BNA\_G  
ClientSampleId :  
CCM-2

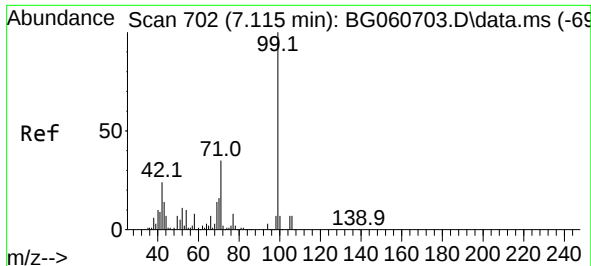
Tgt Ion:152 Resp: 57657  
Ion Ratio Lower Upper  
152 100  
150 155.6 130.2 195.4  
115 57.2 51.6 77.4



#5  
2-Fluorophenol  
Concen: 84.849 ng  
RT: 5.533 min Scan# 433  
Delta R.T. -0.002 min  
Lab File: BG060715.D  
Acq: 1 Apr 2024 14:37

Tgt Ion:112 Resp: 293667  
Ion Ratio Lower Upper  
112 100  
64 70.3 58.4 87.6  
63 36.6 32.7 49.1

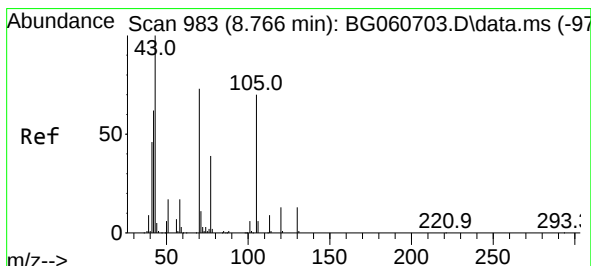
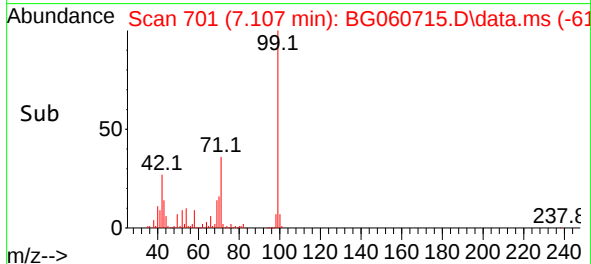
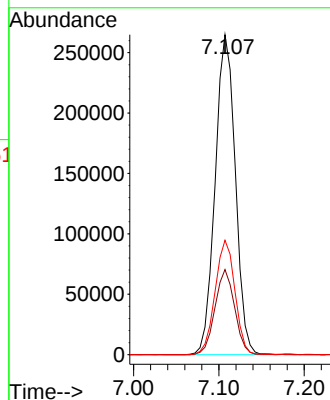
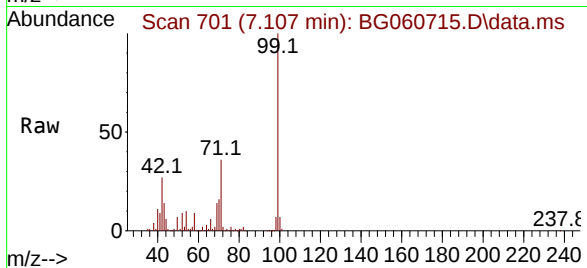




#7  
Phenol-d6  
Concen: 84.648 ng  
RT: 7.107 min Scan# 70  
Delta R.T. -0.008 min  
Lab File: BG060715.D  
Acq: 1 Apr 2024 14:37

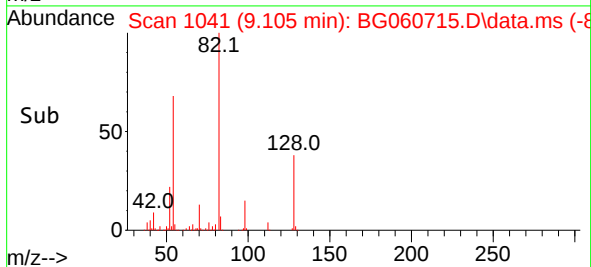
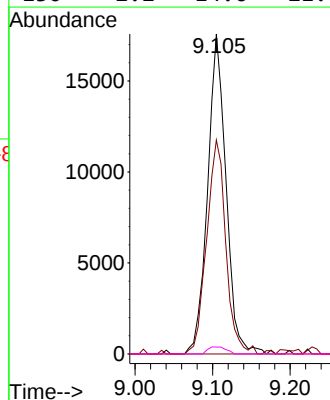
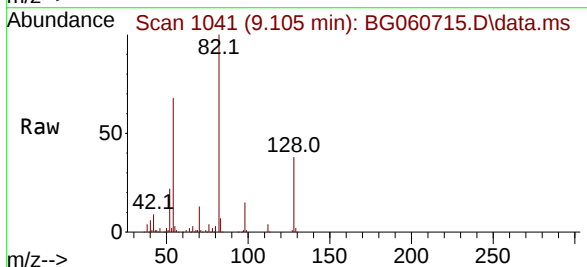
Instrument :  
BNA\_G  
ClientSampleId :  
CCM-2

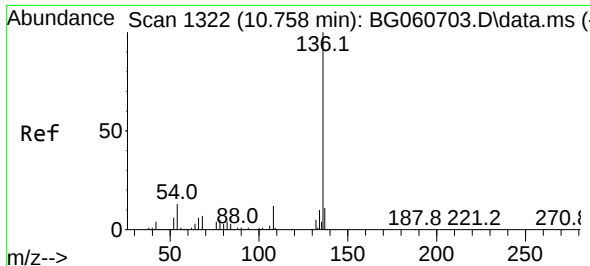
Tgt Ion: 99 Resp: 434877  
Ion Ratio Lower Upper  
99 100  
42 26.6 19.4 29.2  
71 35.7 28.2 42.2



#19  
n-Nitroso-di-n-propylamine  
Concen: 7.435 ng  
RT: 9.105 min Scan# 1041  
Delta R.T. 0.339 min  
Lab File: BG060715.D  
Acq: 1 Apr 2024 14:37

Tgt Ion: 70 Resp: 29131  
Ion Ratio Lower Upper  
70 100  
42 66.9 68.4 102.6#  
101 0.0 6.1 9.1#  
130 2.2 14.6 21.8#



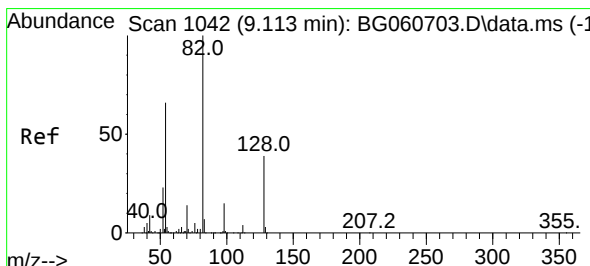
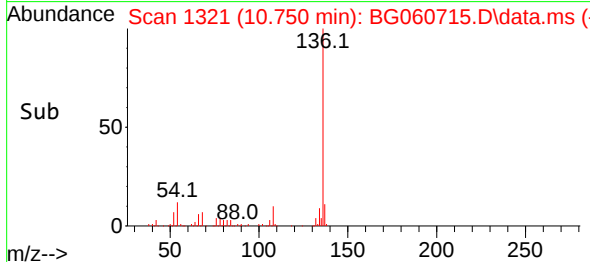
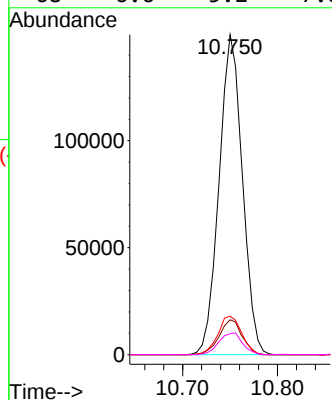
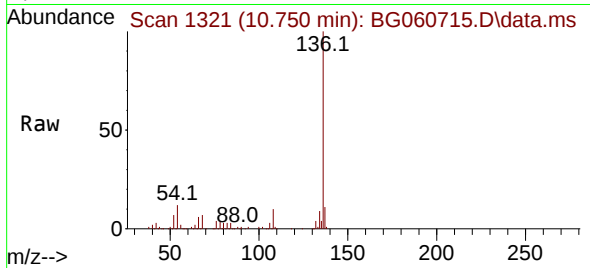


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.750 min Scan# 11  
Delta R.T. -0.008 min  
Lab File: BG060715.D  
Acq: 1 Apr 2024 14:37

Instrument :  
BNA\_G  
ClientSampleId :  
CCM-2

Tgt Ion:136 Resp: 255570

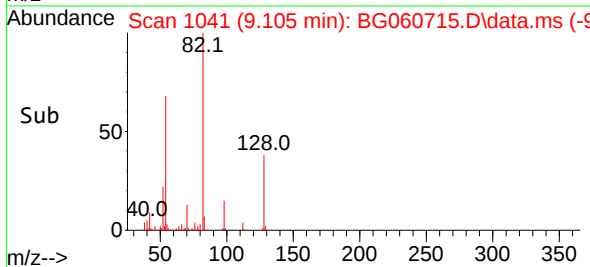
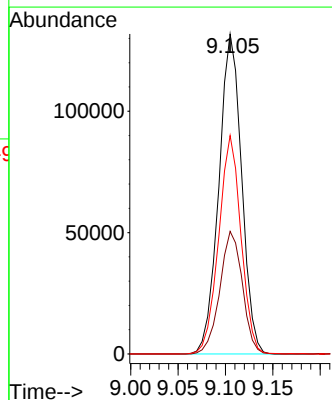
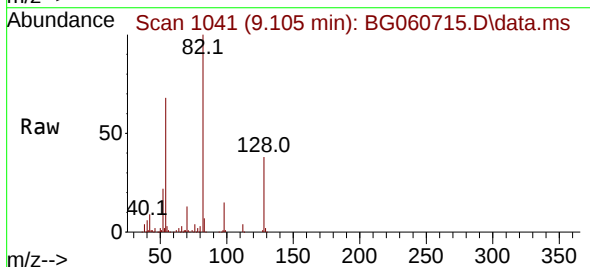
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.9  | 8.8   | 13.2  |
| 54  | 12.1  | 10.2  | 15.2  |
| 68  | 6.6   | 5.2   | 7.8   |



#23  
Nitrobenzene-d5  
Concen: 49.132 ng  
RT: 9.105 min Scan# 1041  
Delta R.T. -0.008 min  
Lab File: BG060715.D  
Acq: 1 Apr 2024 14:37

Tgt Ion: 82 Resp: 220055

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 38.3  | 31.2  | 46.8  |
| 54  | 68.2  | 53.2  | 79.8  |

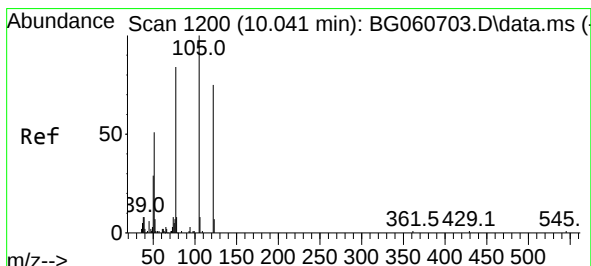
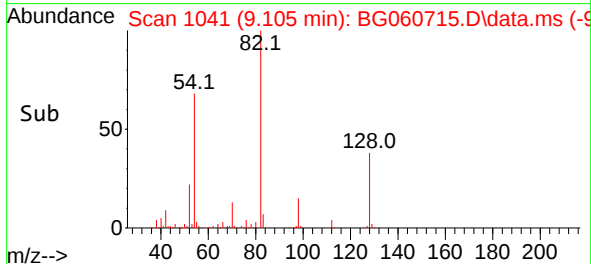
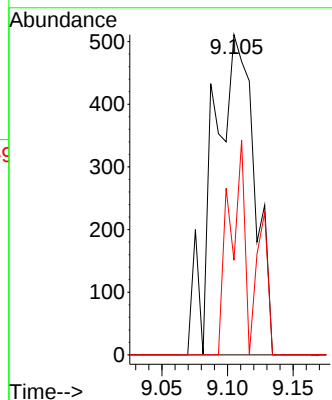
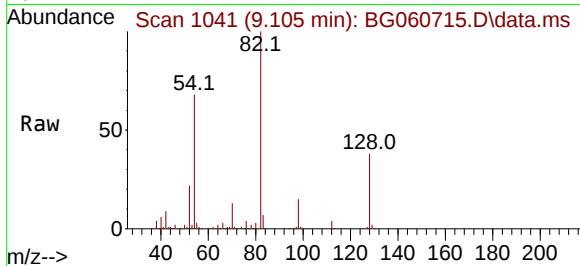




#24  
Nitrobenzene  
Concen: 2.983 ng  
RT: 9.105 min Scan# 1114  
Delta R.T. -0.049 min  
Lab File: BG060715.D  
Acq: 1 Apr 2024 14:37

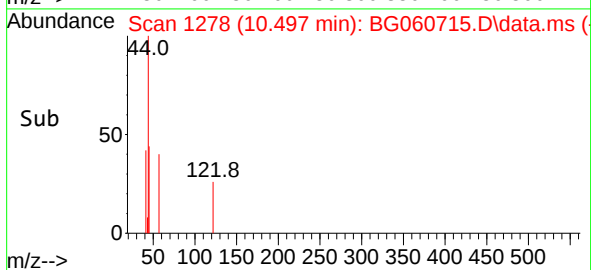
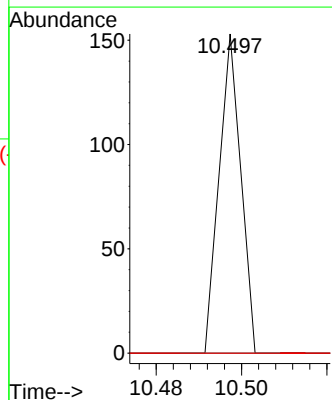
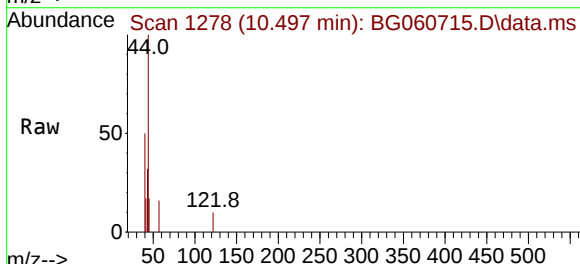
Instrument :  
BNA\_G  
ClientSampleId :  
CCM-2

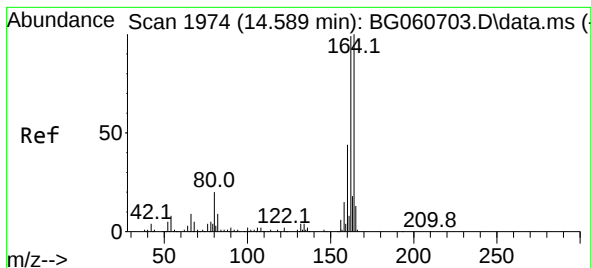
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 0.0   | 32.7  | 49.1# |
| 65      | 29.5  | 11.3  | 16.9# |



#32  
Benzoic acid  
Concen: 6.853 ng  
RT: 10.497 min Scan# 1278  
Delta R.T. 0.456 min  
Lab File: BG060715.D  
Acq: 1 Apr 2024 14:37

| Tgt 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# 1974

Delta R.T. -0.008 min

Lab File: BG060715.D

Acq: 1 Apr 2024 14:37

Instrument :

BNA\_G

ClientSampleId :

CCM-2

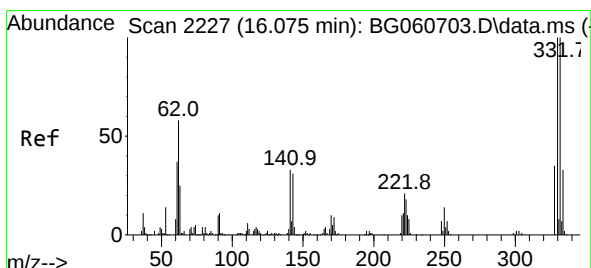
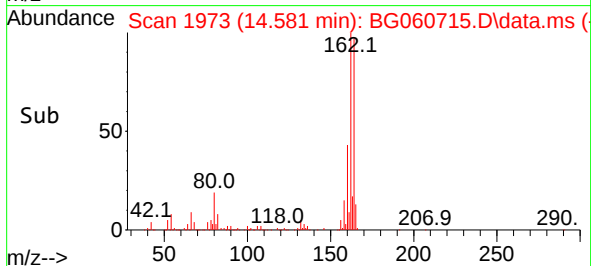
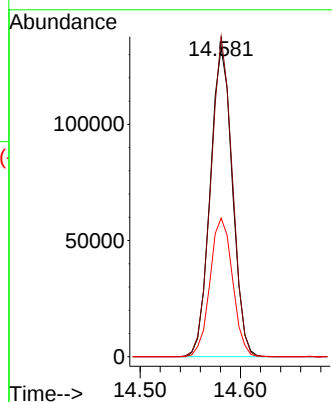
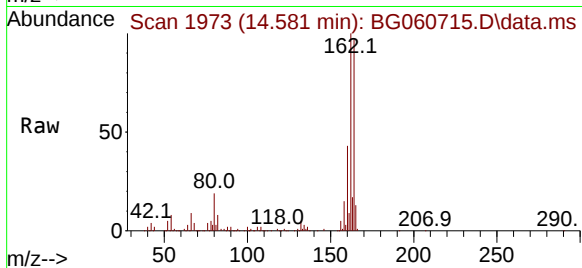
Tgt Ion:164 Resp: 204354

Ion Ratio Lower Upper

164 100

162 103.6 79.5 119.3

160 44.9 35.4 53.0



#42

2,4,6-Tribromophenol

Concen: 66.906 ng

RT: 16.067 min Scan# 2226

Delta R.T. -0.008 min

Lab File: BG060715.D

Acq: 1 Apr 2024 14:37

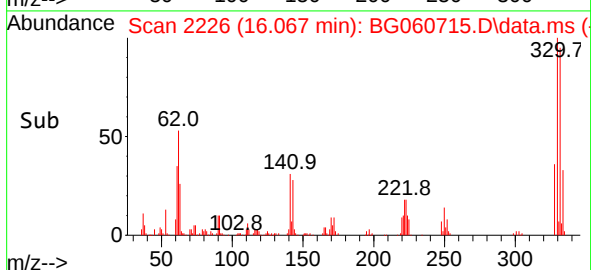
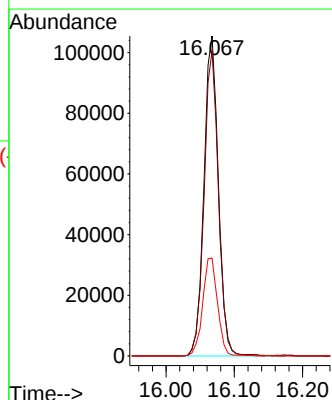
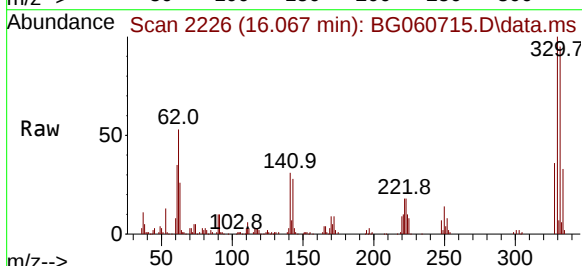
Tgt Ion:330 Resp: 155206

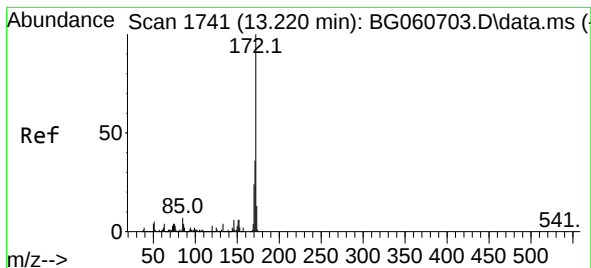
Ion Ratio Lower Upper

330 100

332 94.3 78.2 117.4

141 31.6 27.0 40.6





#45

2-Fluorobiphenyl

Concen: 50.682 ng

RT: 13.212 min Scan# 1

Delta R.T. -0.008 min

Lab File: BG060715.D

Acq: 1 Apr 2024 14:37

Instrument :

BNA\_G

ClientSampleId :

CCM-2

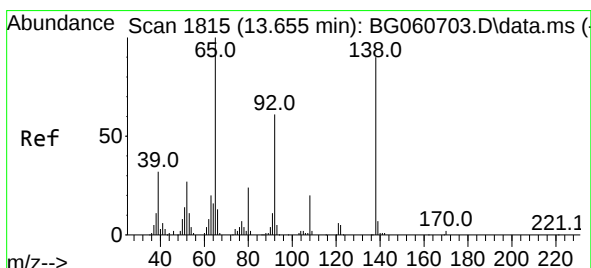
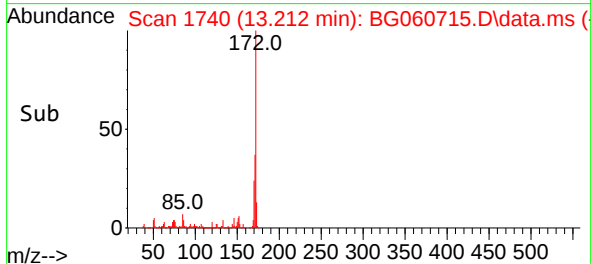
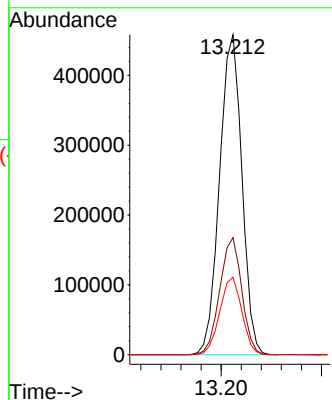
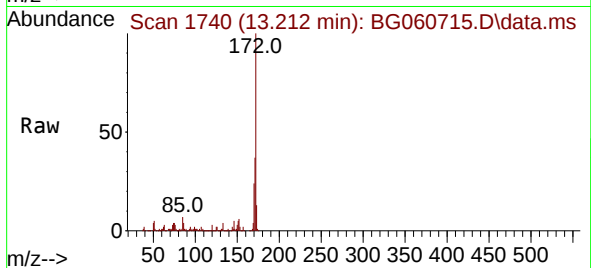
Tgt Ion:172 Resp: 705696

Ion Ratio Lower Upper

172 100

171 36.6 28.7 43.1

170 24.2 19.4 29.0



#48

2-Nitroaniline

Concen: 2.808 ng

RT: 13.241 min Scan# 1745

Delta R.T. -0.414 min

Lab File: BG060715.D

Acq: 1 Apr 2024 14:37

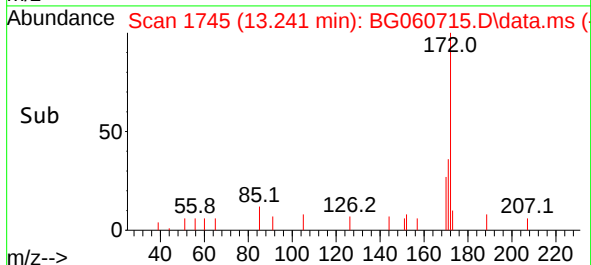
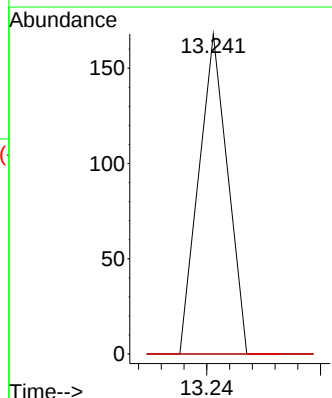
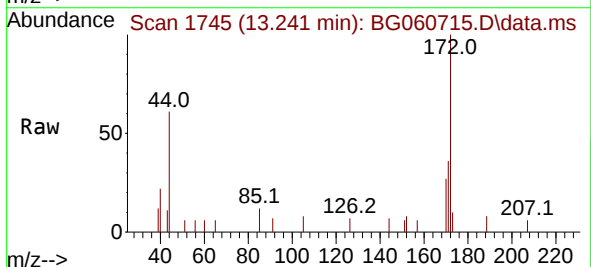
Tgt Ion: 65 Resp: 59

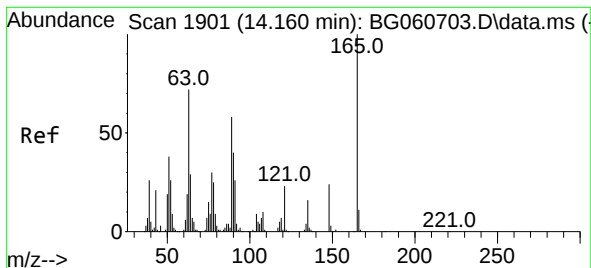
Ion Ratio Lower Upper

65 100

92 0.0 48.6 72.8#

138 0.0 72.2 108.4#

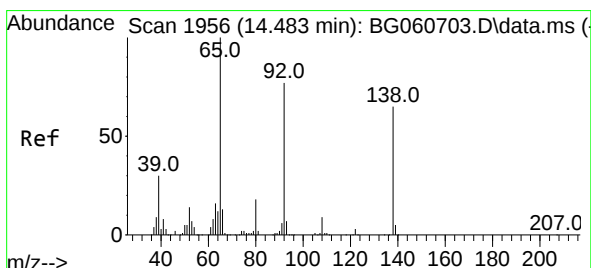
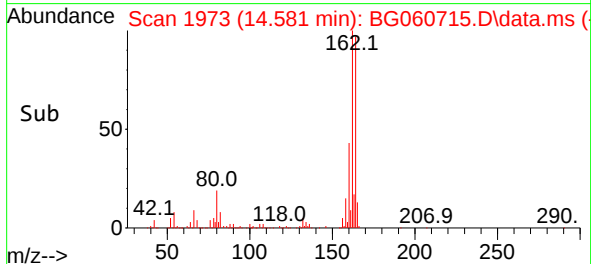
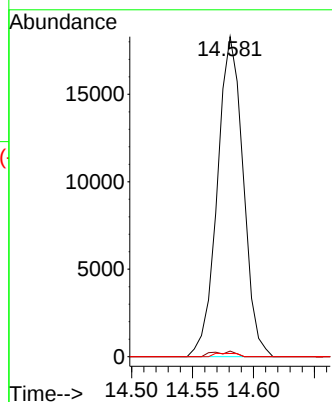
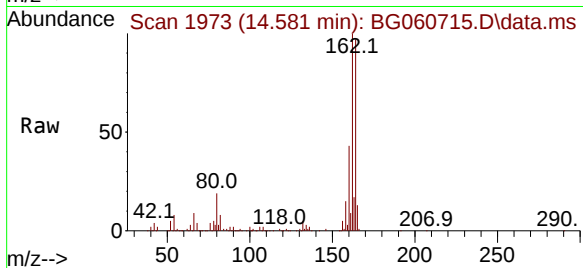




#51  
2,6-Dinitrotoluene  
Concen: 12.172 ng  
RT: 14.581 min Scan# 1901  
Delta R.T. 0.421 min  
Lab File: BG060715.D  
Acq: 1 Apr 2024 14:37

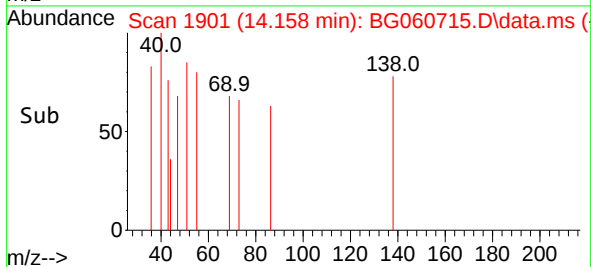
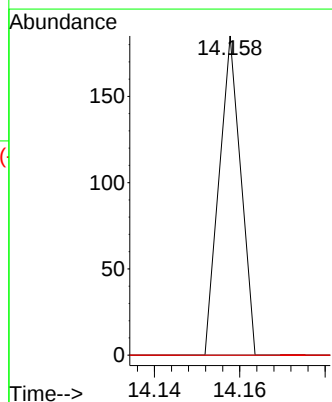
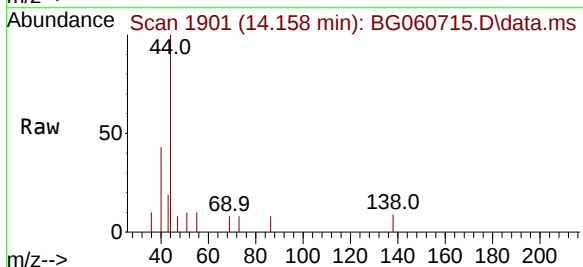
Instrument :  
BNA\_G  
ClientSampleId :  
CCM-2

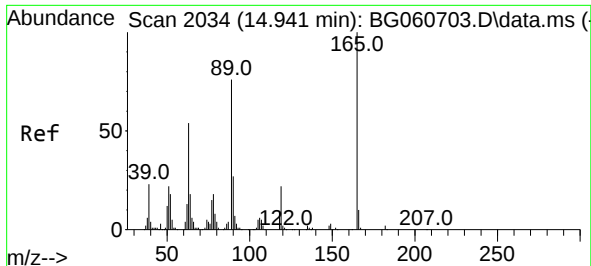
Tgt Ion:165 Resp: 27067  
Ion Ratio Lower Upper  
165 100  
63 1.7 58.2 87.4#  
89 1.0 46.1 69.1#



#53  
3-Nitroaniline  
Concen: 2.870 ng  
RT: 14.158 min Scan# 1901  
Delta R.T. -0.325 min  
Lab File: BG060715.D  
Acq: 1 Apr 2024 14:37

Tgt Ion:138 Resp: 65  
Ion Ratio Lower Upper  
138 100  
108 0.0 11.3 16.9#  
92 0.0 94.1 141.1#

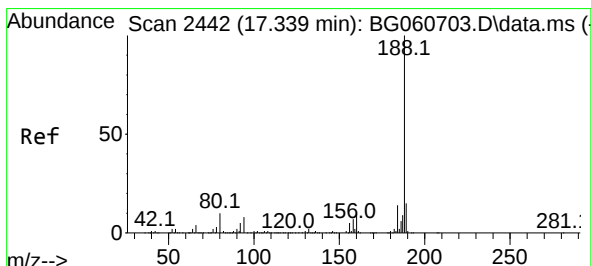
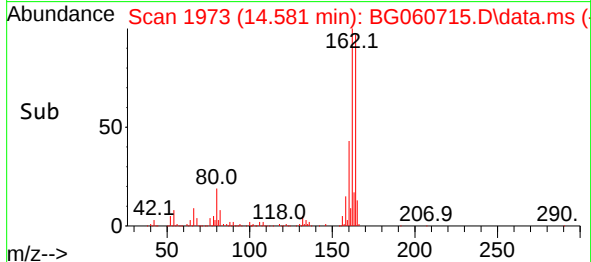
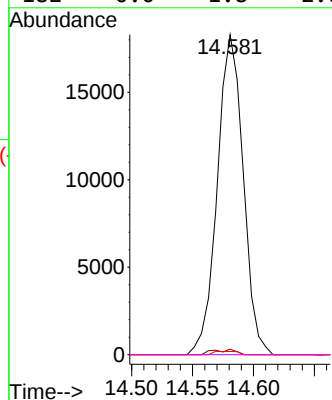
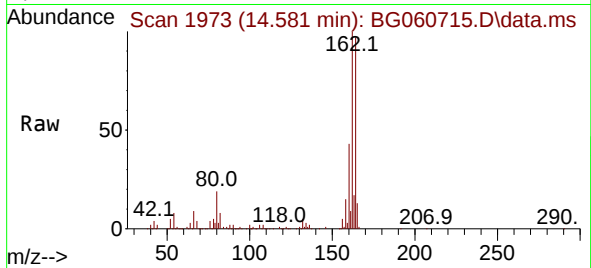




#57  
2,4-Dinitrotoluene  
Concen: 10.236 ng  
RT: 14.581 min Scan# 1973  
Delta R.T. -0.360 min  
Lab File: BG060715.D  
Acq: 1 Apr 2024 14:37

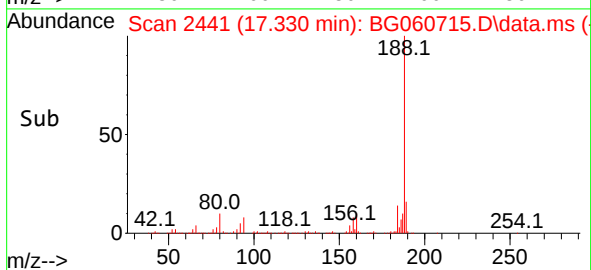
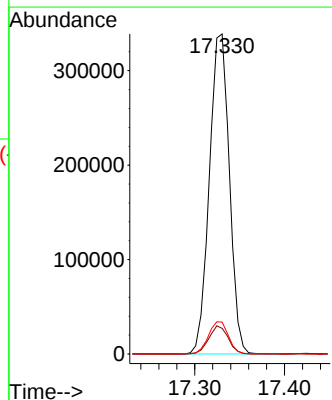
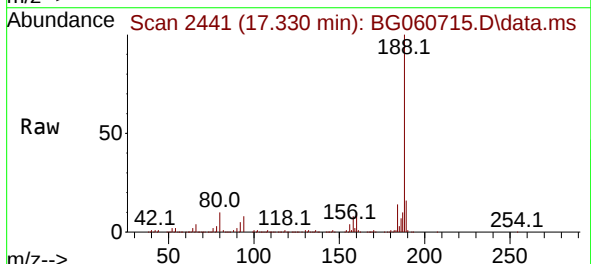
Instrument :  
BNA\_G  
ClientSampleId :  
CCM-2

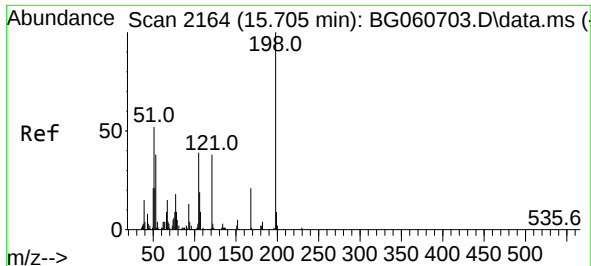
Tgt Ion:165 Resp: 27067  
Ion Ratio Lower Upper  
165 100  
63 1.7 43.4 65.0#  
89 1.0 61.0 91.6#  
182 0.0 1.8 2.6#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.330 min Scan# 2441  
Delta R.T. -0.008 min  
Lab File: BG060715.D  
Acq: 1 Apr 2024 14:37

Tgt Ion:188 Resp: 523535  
Ion Ratio Lower Upper  
188 100  
94 8.0 6.6 9.8  
80 10.0 7.6 11.4

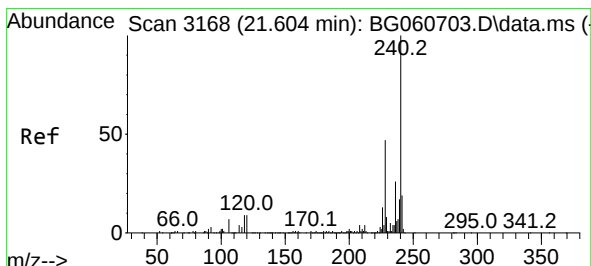
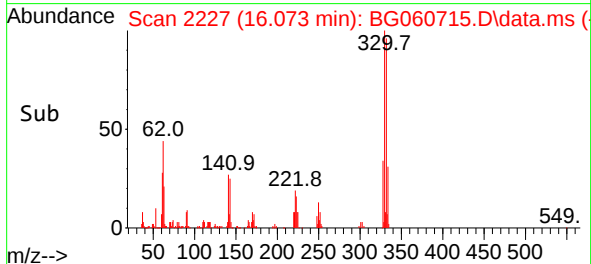
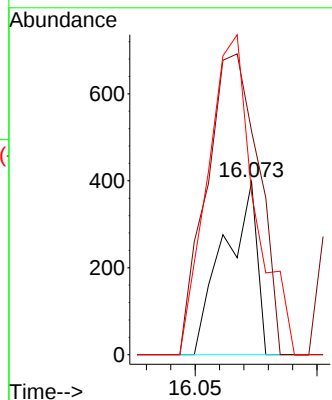
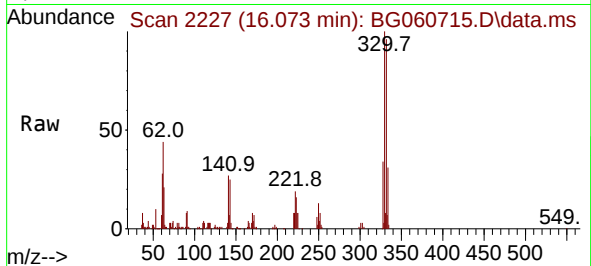




#65  
4,6-Dinitro-2-methylphenol  
Concen: 7.181 ng  
RT: 16.073 min Scan# 2164  
Delta R.T. 0.368 min  
Lab File: BG060715.D  
Acq: 1 Apr 2024 14:37

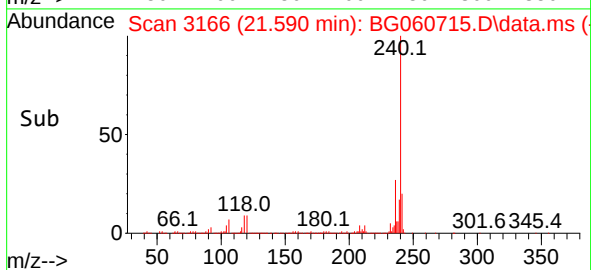
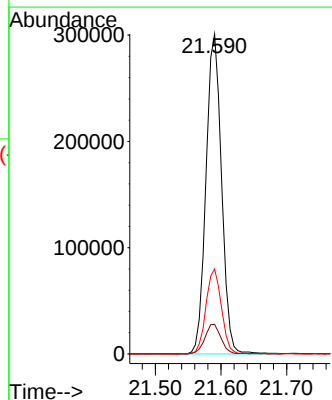
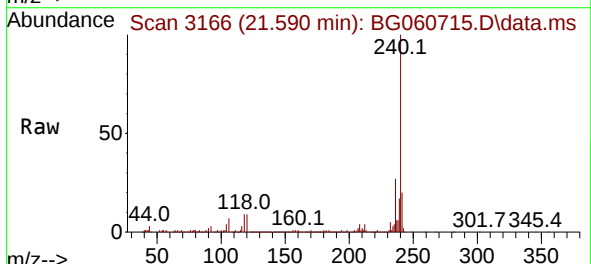
Instrument :  
BNA\_G  
ClientSampleId :  
CCM-2

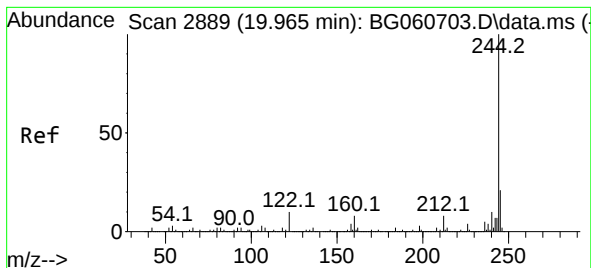
Tgt Ion:198 Resp: 372  
Ion Ratio Lower Upper  
198 100  
51 129.5 36.7 76.7#  
105 93.5 19.1 59.1#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.590 min Scan# 3166  
Delta R.T. -0.014 min  
Lab File: BG060715.D  
Acq: 1 Apr 2024 14:37

Tgt Ion:240 Resp: 496731  
Ion Ratio Lower Upper  
240 100  
120 9.2 7.1 10.7  
236 26.5 20.7 31.1





#79

Terphenyl-d14

Concen: 55.025 ng

RT: 19.957 min Scan# 21

Delta R.T. -0.008 min

Lab File: BG060715.D

Acq: 1 Apr 2024 14:37

Instrument :

BNA\_G

ClientSampleId :

CCM-2

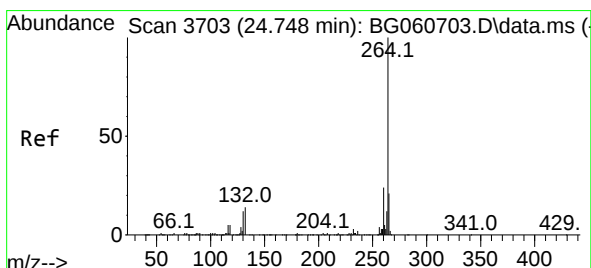
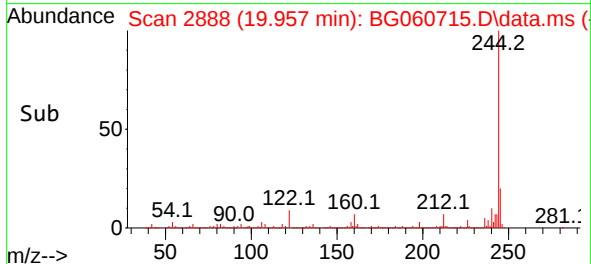
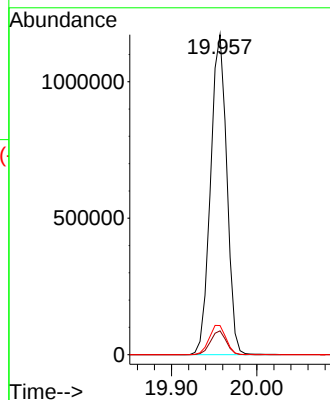
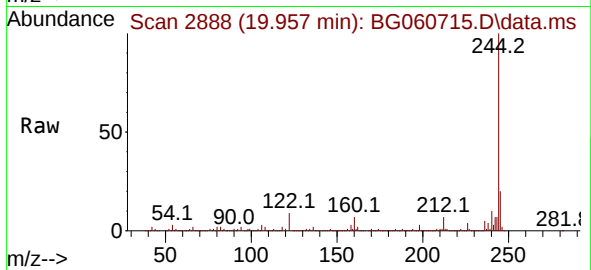
Tgt Ion:244 Resp: 1552242

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

122 9.1 7.8 11.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.722 min Scan# 3699

Delta R.T. -0.026 min

Lab File: BG060715.D

Acq: 1 Apr 2024 14:37

Tgt Ion:264 Resp: 577021

Ion Ratio Lower Upper

264 100

260 24.4 19.5 29.3

265 20.9 16.9 25.3

