

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG010224\  
 Data File : BG060201.D  
 Acq On : 2 Jan 2024 19:11  
 Operator : MA/JU  
 Sample : 05899-05  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Jan 03 00:40:41 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG122923.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Dec 30 03:14:04 2023  
 Response via : Initial Calibration

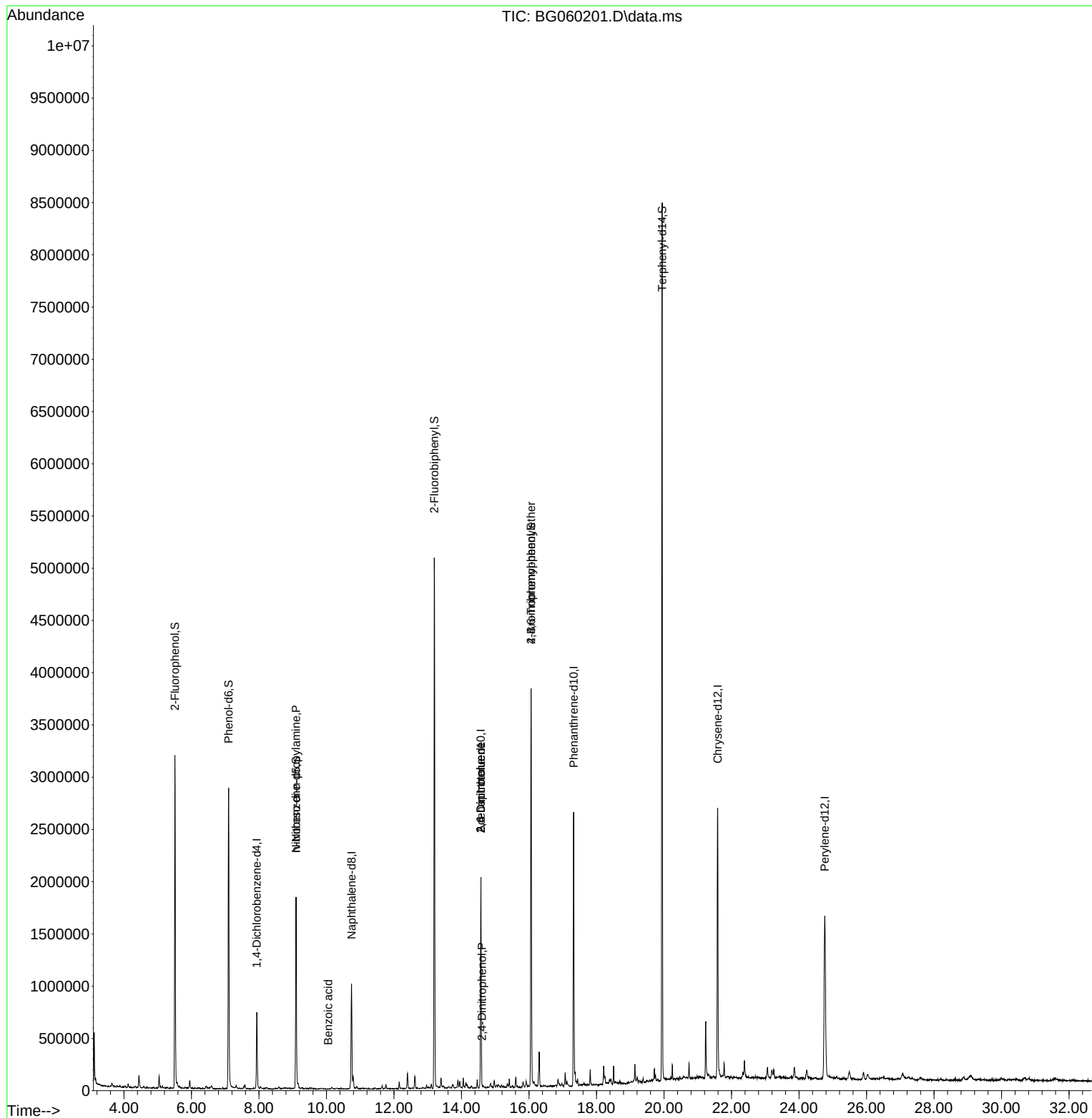
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.935  | 152  | 223733   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.744 | 136  | 905923   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.574 | 164  | 694936   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.324 | 188  | 1730369  | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 21.590 | 240  | 1590476  | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 24.763 | 264  | 1776340  | 20.000 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.509  | 112  | 1465123  | 98.840 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.101  | 99   | 1885272  | 85.659 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.099  | 82   | 1210988  | 61.744 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.061 | 330  | 793343   | 85.283 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.194 | 172  | 2837789  | 58.689 | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.945 | 244  | 4220925  | 51.021 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 9.099  | 70   | 145818   | 9.698  | ng    | # 88     |
| 32) Benzoic acid              | 10.050 | 122  | 132      | 10.282 | ng    | # 42     |
| 51) 2,6-Dinitrotoluene        | 14.574 | 165  | 98964    | 8.868  | ng    | # 30     |
| 54) 2,4-Dinitrophenol         | 14.610 | 184  | 90       | 8.249  | ng    | # 51     |
| 57) 2,4-Dinitrotoluene        | 14.574 | 165  | 98964    | 6.522  | ng    | # 27     |
| 67) 4-Bromophenyl-phenylether | 16.061 | 248  | 47782    | 2.605  | ng    | # 1      |
| -----                         |        |      |          |        |       |          |

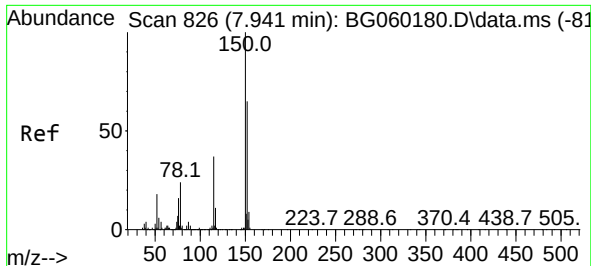
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG122923.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Dec 30 03:14:04 2023  
Response via : Initial Calibration

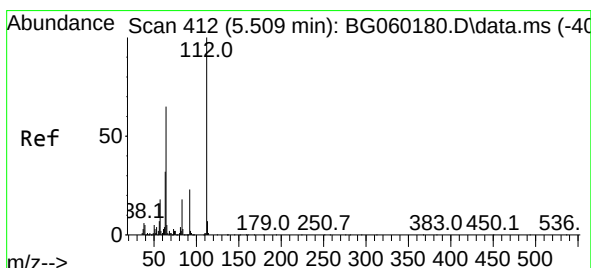
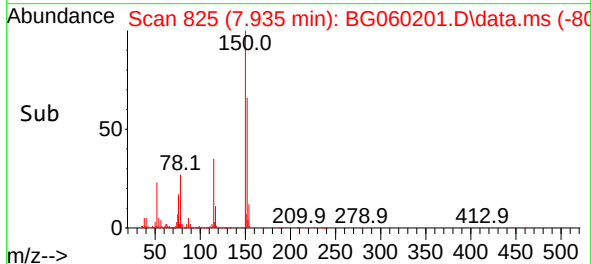
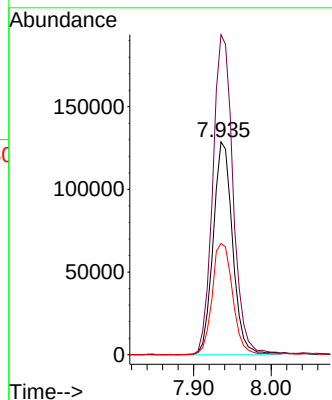
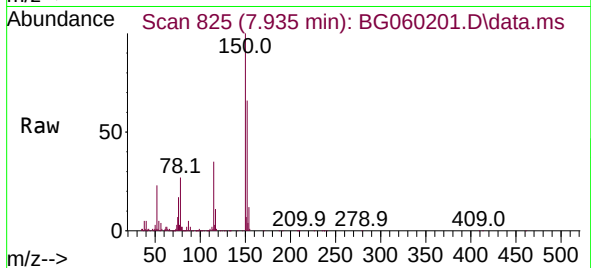




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.935 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BG060201.D  
Acq: 2 Jan 2024 19:11

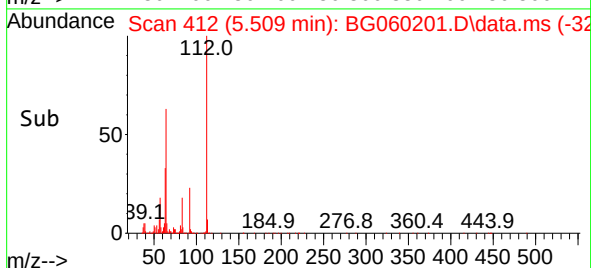
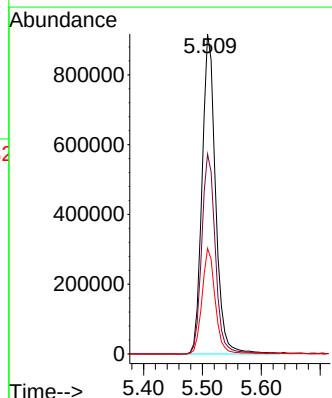
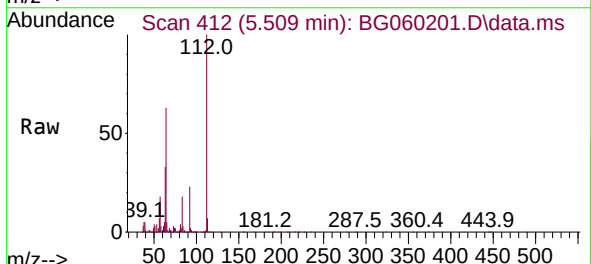
Instrument :  
BNA\_G  
ClientSampleId :

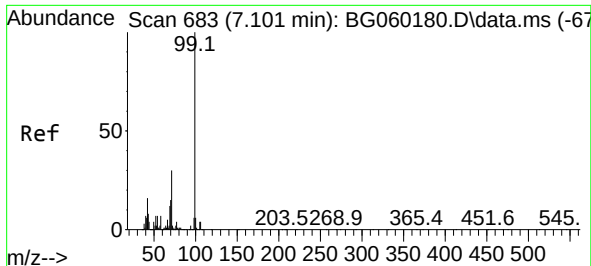
Tgt Ion:152 Resp: 223733  
Ion Ratio Lower Upper  
152 100  
150 150.4 123.4 185.0  
115 52.3 45.4 68.0



#5  
2-Fluorophenol  
Concen: 98.840 ng  
RT: 5.509 min Scan# 412  
Delta R.T. -0.000 min  
Lab File: BG060201.D  
Acq: 2 Jan 2024 19:11

Tgt Ion:112 Resp: 1465123  
Ion Ratio Lower Upper  
112 100  
64 62.5 52.2 78.4  
63 33.0 25.4 38.0



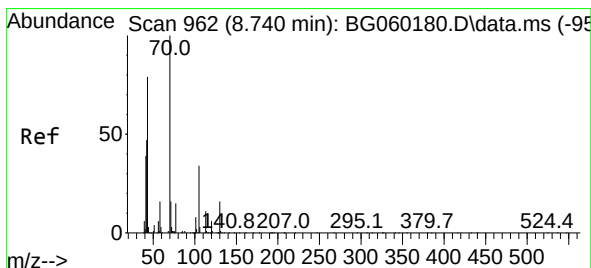
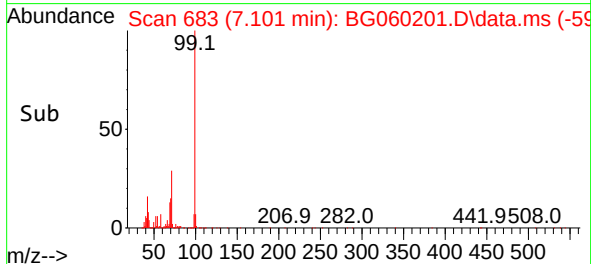
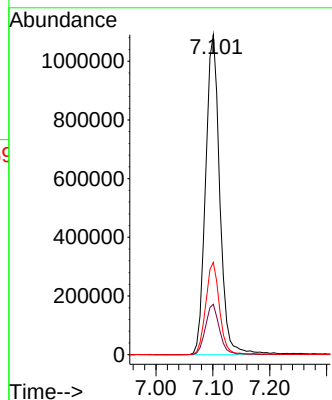
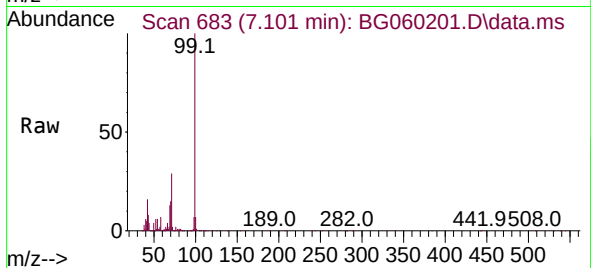


#7  
Phenol-d6  
Concen: 85.659 ng  
RT: 7.101 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: BG060201.D  
Acq: 2 Jan 2024 19:11

Instrument :  
BNA\_G  
ClientSampleId :

Tgt Ion: 99 Resp: 1885272

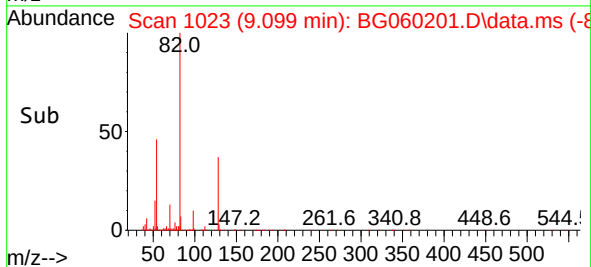
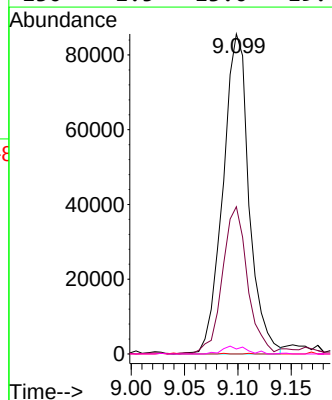
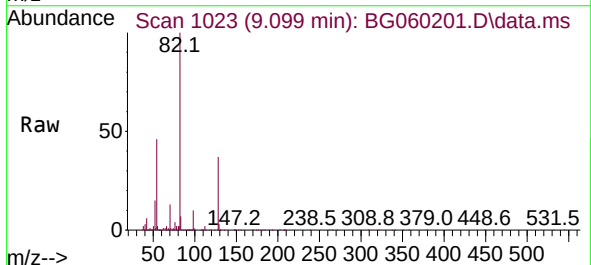
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 15.8  | 12.5  | 18.7  |
| 71  | 28.8  | 24.1  | 36.1  |

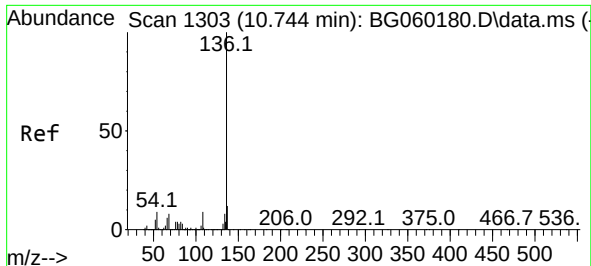


#19  
n-Nitroso-di-n-propylamine  
Concen: 9.698 ng  
RT: 9.099 min Scan# 1023  
Delta R.T. 0.358 min  
Lab File: BG060201.D  
Acq: 2 Jan 2024 19:11

Tgt Ion: 70 Resp: 145818

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 46.0  | 37.9  | 56.9  |
| 101 | 0.0   | 6.2   | 9.2#  |
| 130 | 1.5   | 13.0  | 19.4# |

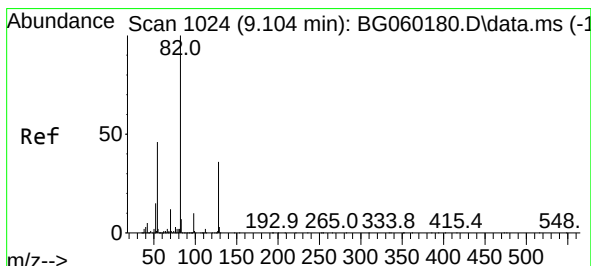
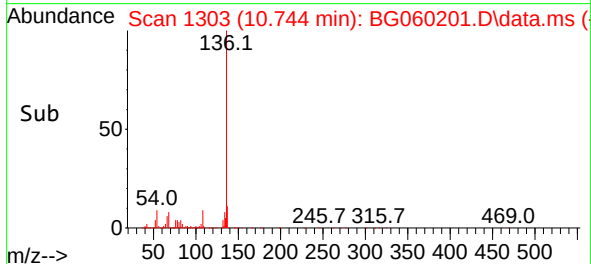
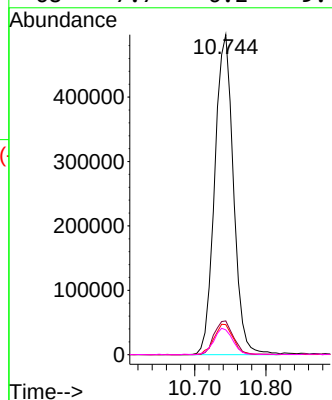
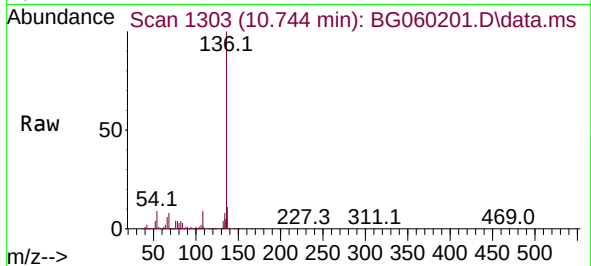




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.744 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BG060201.D  
Acq: 2 Jan 2024 19:11

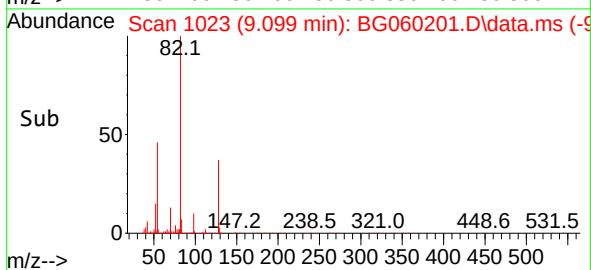
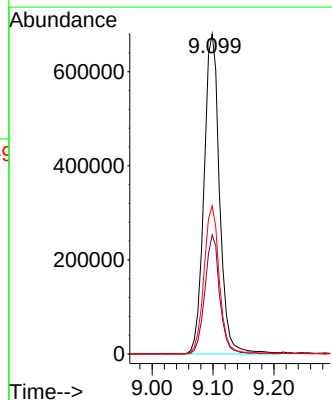
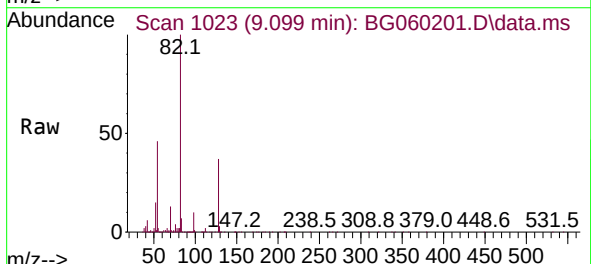
Instrument :  
BNA\_G  
ClientSampleId :

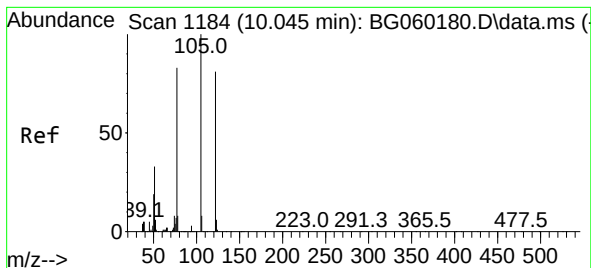
Tgt Ion:136 Resp: 905923  
Ion Ratio Lower Upper  
136 100  
137 10.5 9.4 14.0  
54 9.4 7.4 11.2  
68 7.7 6.2 9.4



#23  
Nitrobenzene-d5  
Concen: 61.744 ng  
RT: 9.099 min Scan# 1023  
Delta R.T. -0.006 min  
Lab File: BG060201.D  
Acq: 2 Jan 2024 19:11

Tgt Ion: 82 Resp: 1210988  
Ion Ratio Lower Upper  
82 100  
128 37.2 28.7 43.1  
54 46.3 36.9 55.3





#32

Benzoic acid

Concen: 10.282 ng

RT: 10.050 min Scan# 1184

Delta R.T. 0.005 min

Lab File: BG060201.D

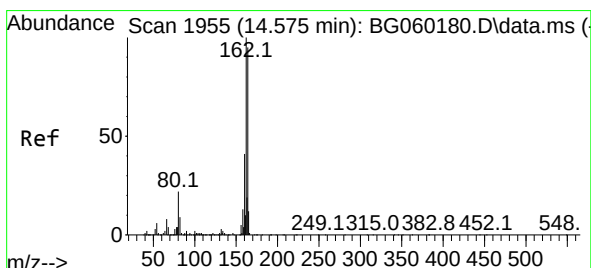
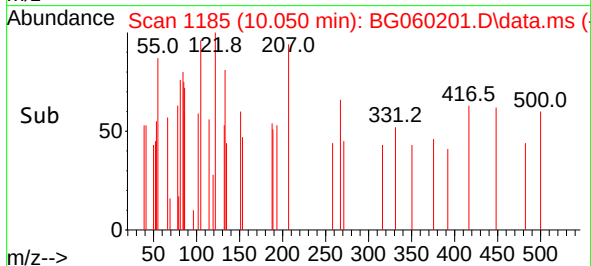
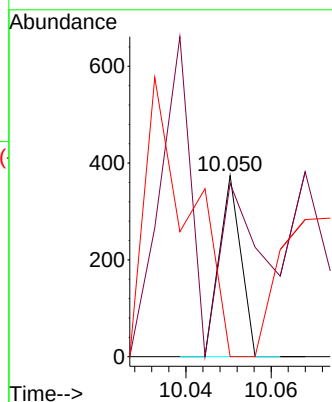
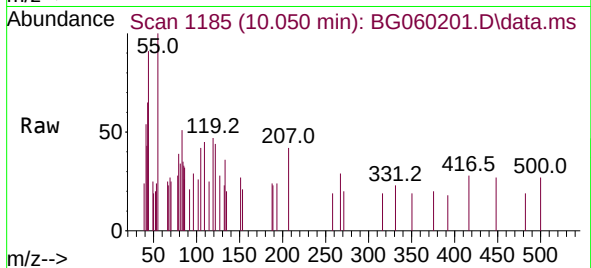
Acq: 2 Jan 2024 19:11

Instrument :

BNA\_G

ClientSampleId :

Tgt Ion:122 Resp: 132  
Ion Ratio Lower Upper  
122 100  
105 95.7 99.2 139.2#  
77 0.0 81.0 121.0#



#39

Acenaphthene-d10

Concen: 20.000 ng

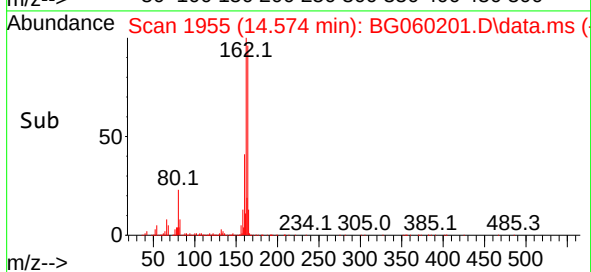
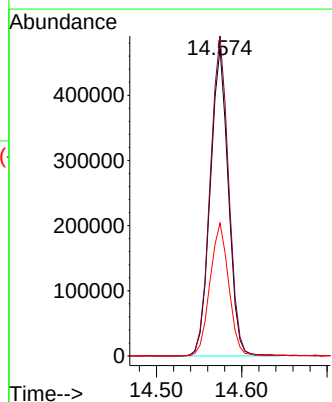
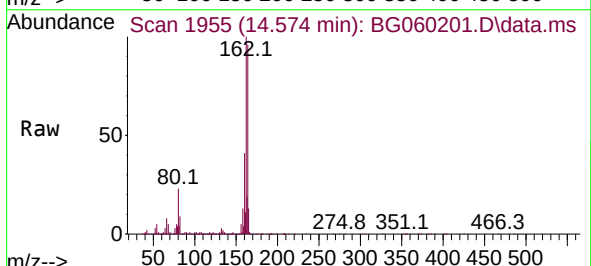
RT: 14.574 min Scan# 1955

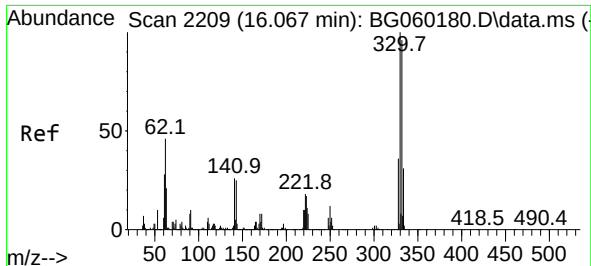
Delta R.T. -0.000 min

Lab File: BG060201.D

Acq: 2 Jan 2024 19:11

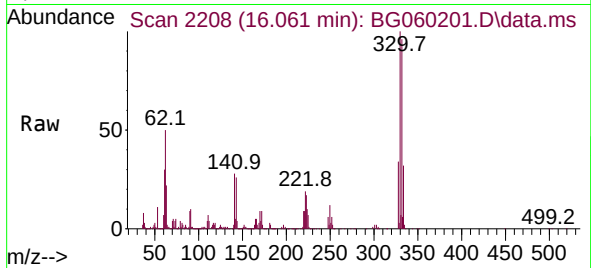
Tgt Ion:164 Resp: 694936  
Ion Ratio Lower Upper  
164 100  
162 104.0 83.9 125.9  
160 43.1 34.2 51.4



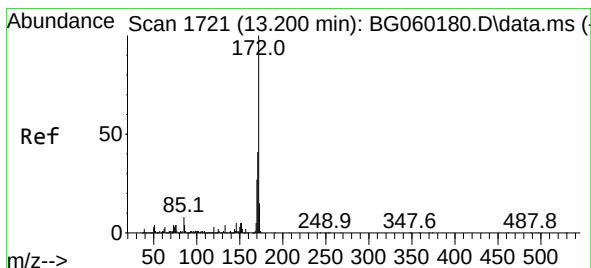
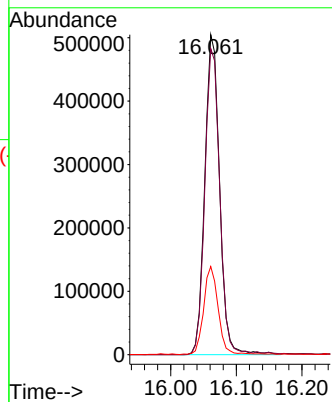
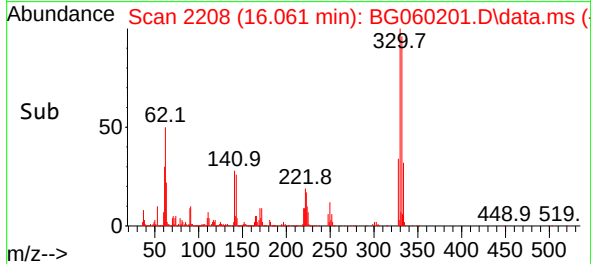


#42  
2,4,6-Tribromophenol  
Concen: 85.283 ng  
RT: 16.061 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BG060201.D  
Acq: 2 Jan 2024 19:11

Instrument :  
BNA\_G  
ClientSampleId :

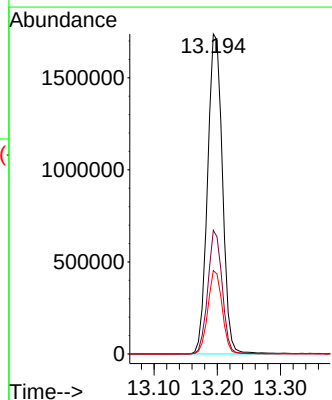
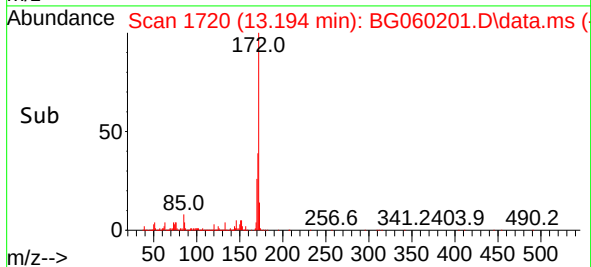
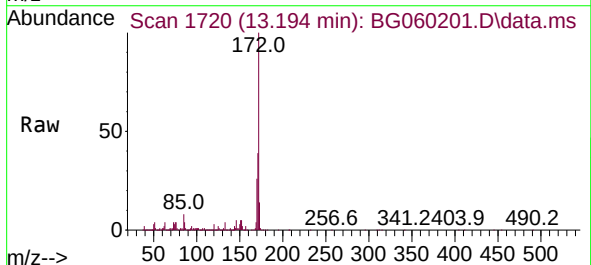


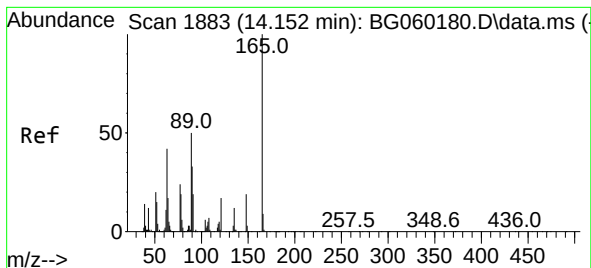
Tgt Ion:330 Resp: 793343  
Ion Ratio Lower Upper  
330 100  
332 96.0 76.7 115.1  
141 27.0 21.0 31.4



#45  
2-Fluorobiphenyl  
Concen: 58.689 ng  
RT: 13.194 min Scan# 1720  
Delta R.T. -0.006 min  
Lab File: BG060201.D  
Acq: 2 Jan 2024 19:11

Tgt Ion:172 Resp: 2837789  
Ion Ratio Lower Upper  
172 100  
171 38.7 32.6 48.8  
170 26.1 21.8 32.6

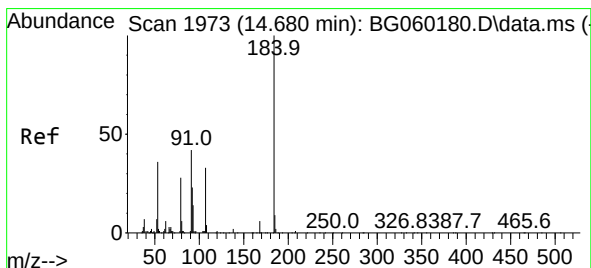
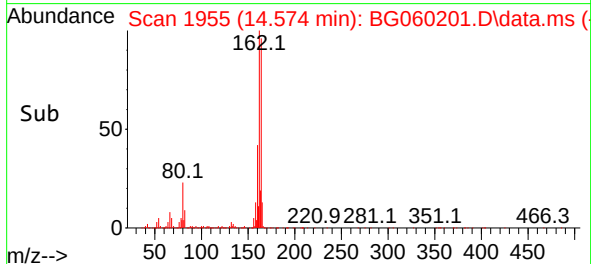
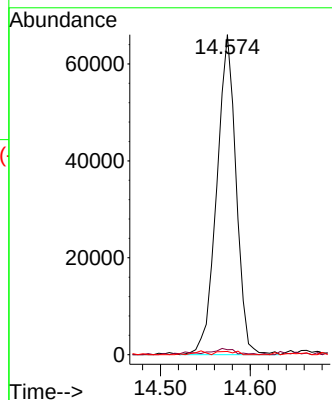
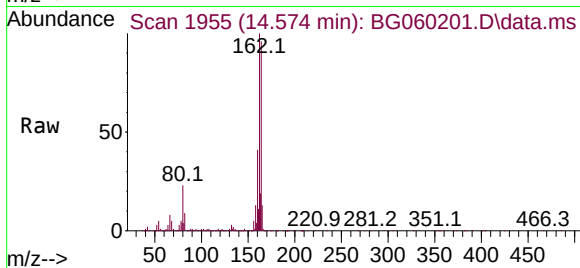




#51  
2,6-Dinitrotoluene  
Concen: 8.868 ng  
RT: 14.574 min Scan# 1961  
Delta R.T. 0.423 min  
Lab File: BG060201.D  
Acq: 2 Jan 2024 19:11

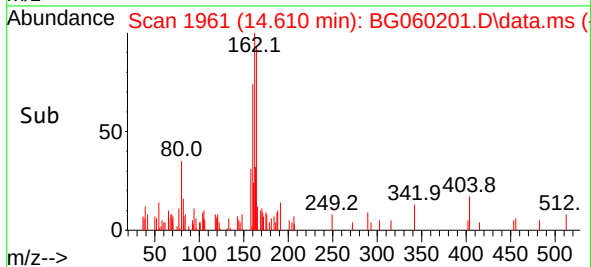
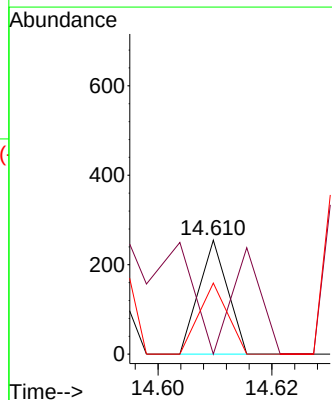
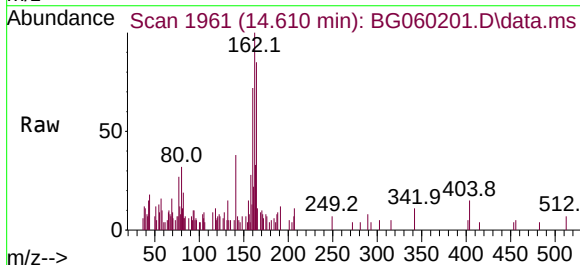
Instrument :  
BNA\_G  
ClientSampleId :

Tgt Ion:165 Resp: 98964  
Ion Ratio Lower Upper  
165 100  
63 1.6 39.3 58.9#  
89 1.0 39.8 59.8#

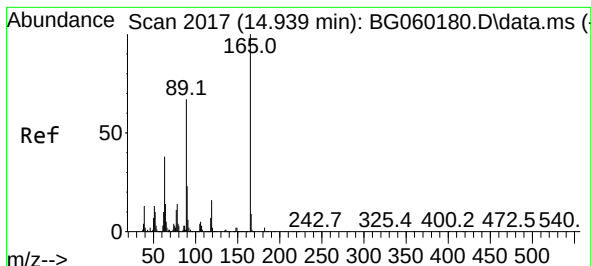


#54  
2,4-Dinitrophenol  
Concen: 8.249 ng  
RT: 14.610 min Scan# 1961  
Delta R.T. -0.070 min  
Lab File: BG060201.D  
Acq: 2 Jan 2024 19:11

Tgt Ion:184 Resp: 90  
Ion Ratio Lower Upper  
184 100  
63 0.0 45.4 68.2#  
154 62.4 40.0 60.0#

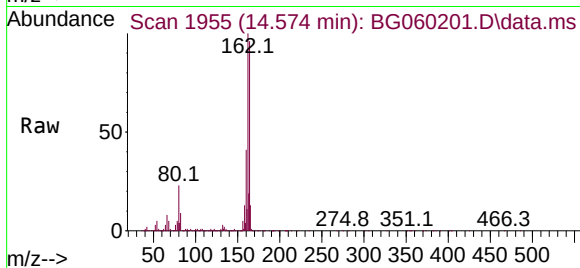




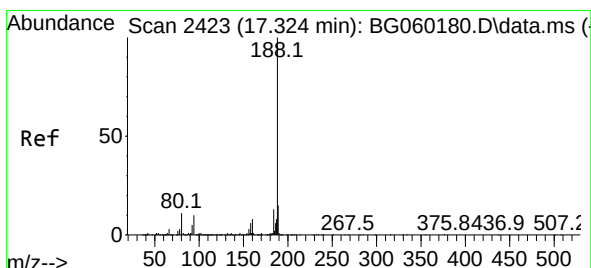
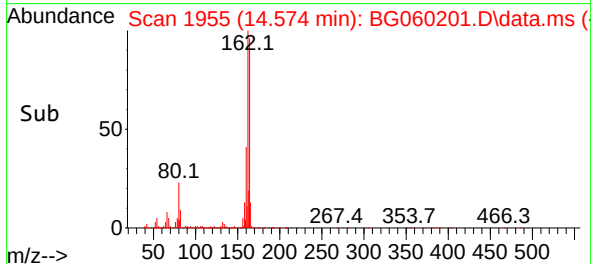
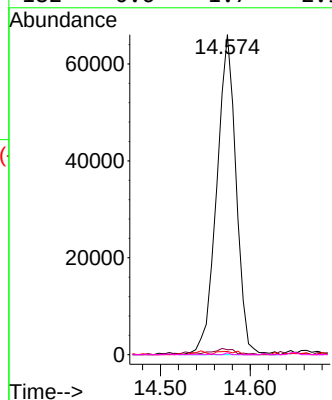


#57  
2,4-Dinitrotoluene  
Concen: 6.522 ng  
RT: 14.574 min Scan# 1955  
Delta R.T. -0.364 min  
Lab File: BG060201.D  
Acq: 2 Jan 2024 19:11

Instrument :  
BNA\_G  
ClientSampleId :

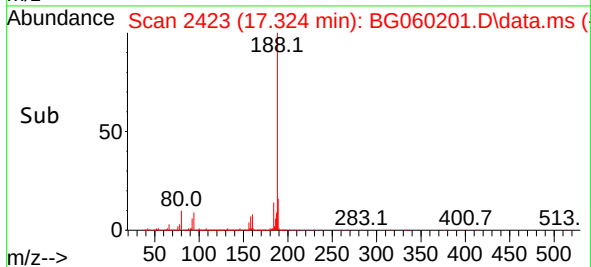
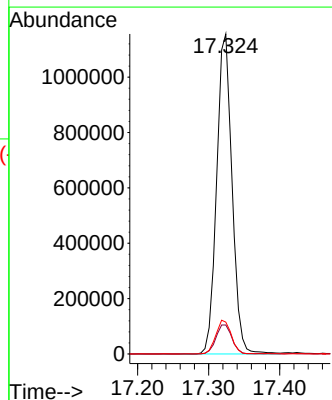
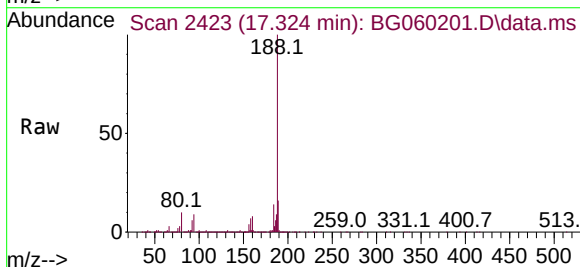


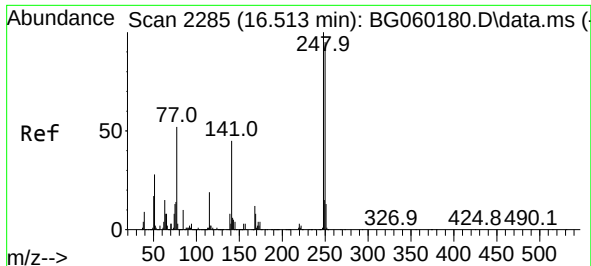
Tgt Ion:165 Resp: 98964  
Ion Ratio Lower Upper  
165 100  
63 1.6 31.0 46.6#  
89 1.0 53.3 79.9#  
182 0.6 1.7 2.5#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.324 min Scan# 2423  
Delta R.T. -0.000 min  
Lab File: BG060201.D  
Acq: 2 Jan 2024 19:11

Tgt Ion:188 Resp: 1730369  
Ion Ratio Lower Upper  
188 100  
94 9.0 7.8 11.6  
80 9.9 8.6 13.0

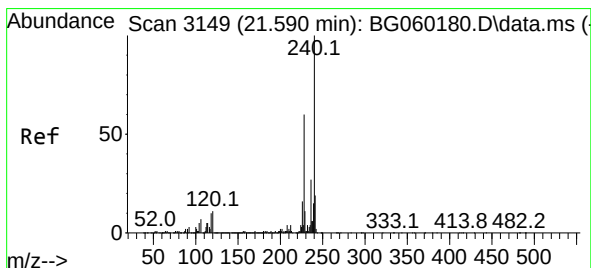
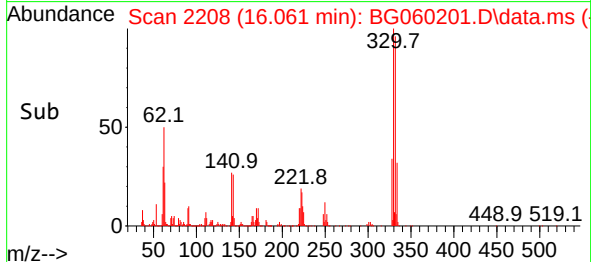
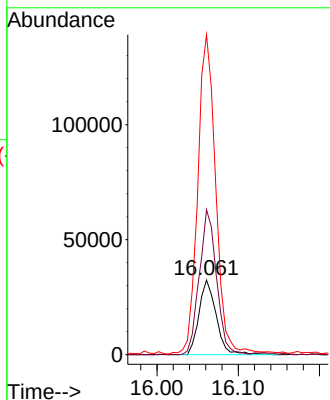
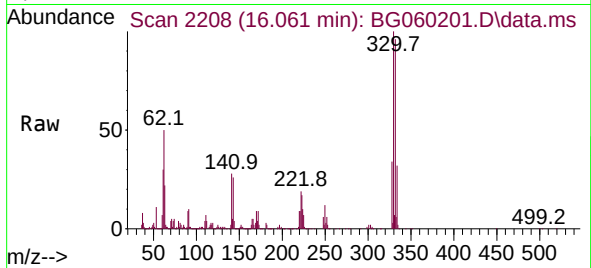




#67  
4-Bromophenyl-phenylether  
Concen: 2.605 ng  
RT: 16.061 min Scan# 21  
Delta R.T. -0.452 min  
Lab File: BG060201.D  
Acq: 2 Jan 2024 19:11

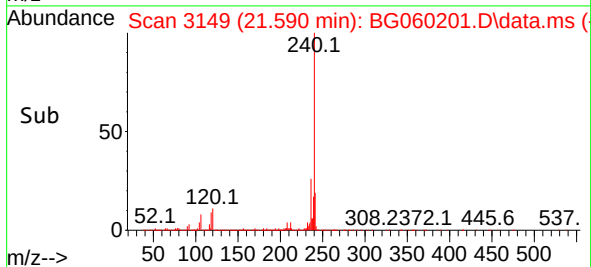
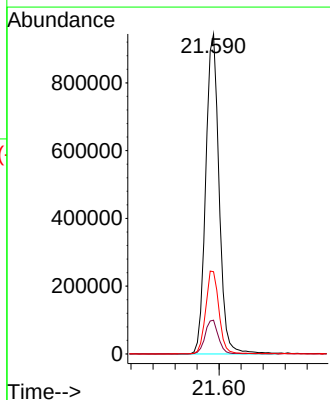
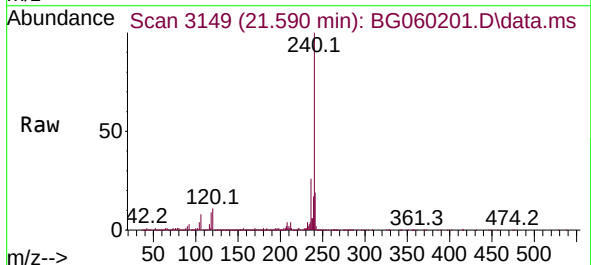
Instrument :  
BNA\_G  
ClientSampleId :

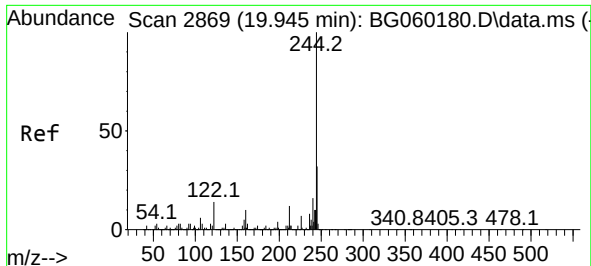
Tgt Ion:248 Resp: 47782  
Ion Ratio Lower Upper  
248 100  
250 155.6 76.2 114.4#  
141 343.4 36.0 54.0#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.590 min Scan# 3149  
Delta R.T. -0.000 min  
Lab File: BG060201.D  
Acq: 2 Jan 2024 19:11

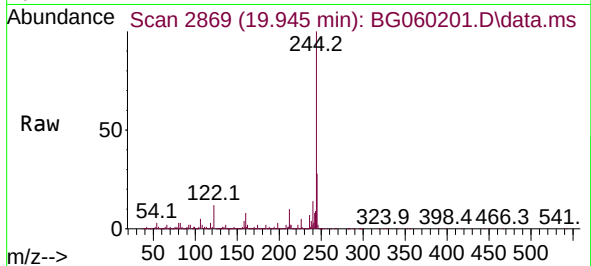
Tgt Ion:240 Resp: 1590476  
Ion Ratio Lower Upper  
240 100  
120 10.6 8.5 12.7  
236 25.7 21.4 32.2





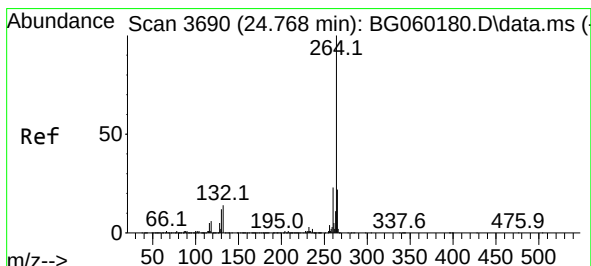
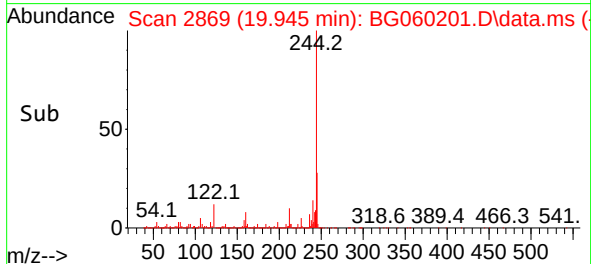
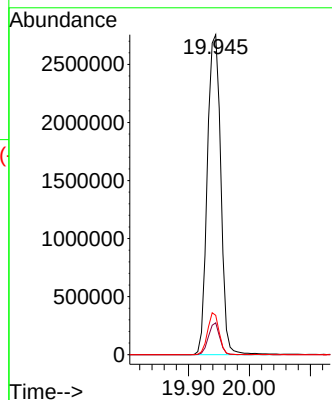
#79  
 Terphenyl-d14  
 Concen: 51.021 ng  
 RT: 19.945 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: BG060201.D  
 Acq: 2 Jan 2024 19:11

Instrument :  
 BNA\_G  
 ClientSampleId :



Tgt Ion:244 Resp: 4220925  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 10.0  | 9.5   | 14.3  |
| 122 | 12.3  | 11.4  | 17.2  |



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.763 min Scan# 3689  
 Delta R.T. -0.006 min  
 Lab File: BG060201.D  
 Acq: 2 Jan 2024 19:11

Tgt Ion:264 Resp: 1776340  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.0  | 18.0  | 27.0  |
| 265 | 21.5  | 17.4  | 26.0  |

