

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG010324\  
 Data File : BG060222.D  
 Acq On : 3 Jan 2024 11:30  
 Operator : MA/JU  
 Sample : PB158053BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB158053BL

Quant Time: Jan 03 12:21:49 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

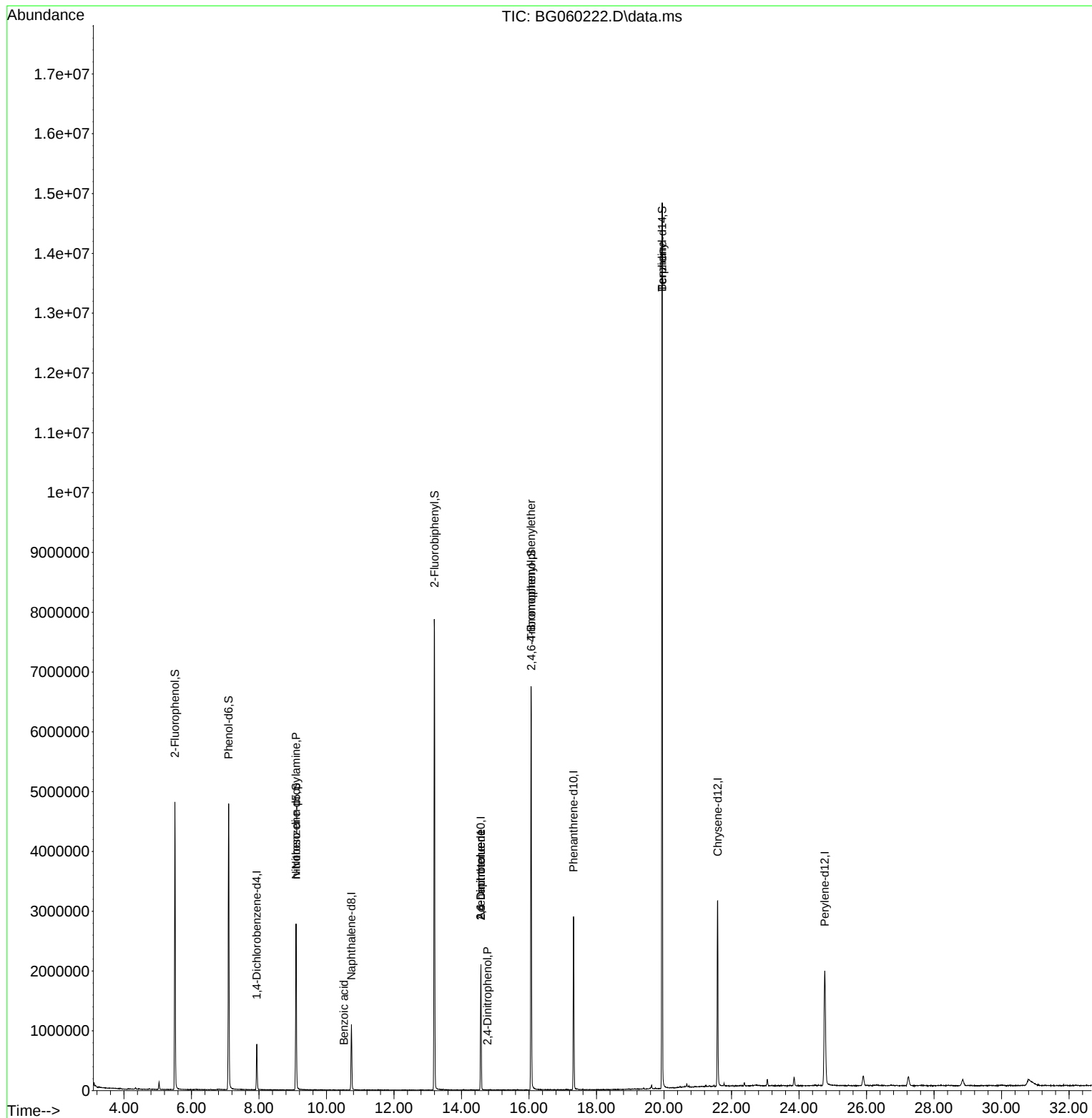
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.935  | 152  | 231254   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.737 | 136  | 964947   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.574 | 164  | 762714   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.318 | 188  | 2006152  | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.589 | 240  | 1905243  | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 24.762 | 264  | 2137398  | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.508  | 112  | 2151469  | 140.421 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.101  | 99   | 3049543  | 134.052 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.098  | 82   | 1869880  | 89.507  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.066 | 330  | 1375671  | 134.741 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.199 | 172  | 4350076  | 81.971  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.944 | 244  | 6185722  | 62.417  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 9.098  | 70   | 228431   | 14.699  | ng    | # 82     |
| 32) Benzoic acid              | 10.520 | 122  | 77       | 10.277  | ng    | 94       |
| 51) 2,6-Dinitrotoluene        | 14.574 | 165  | 103987   | 8.490   | ng    | # 29     |
| 54) 2,4-Dinitrophenol         | 14.768 | 184  | 72       | 8.245   | ng    | # 25     |
| 57) 2,4-Dinitrotoluene        | 14.574 | 165  | 103987   | 6.244   | ng    | # 26     |
| 67) 4-Bromophenyl-phenylether | 16.061 | 248  | 87918    | 4.134   | ng    | # 1      |
| 77) Benzidine                 | 19.944 | 184  | 132649   | 2.516   | ng    | # 92     |
| -----                         |        |      |          |         |       |          |

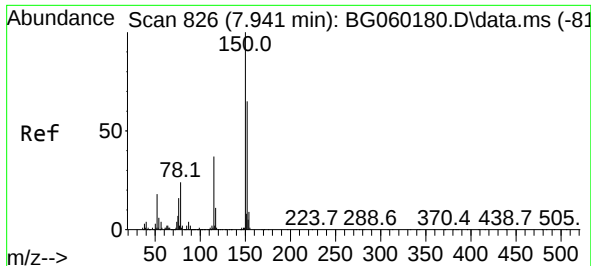
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 03 12:21:49 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  
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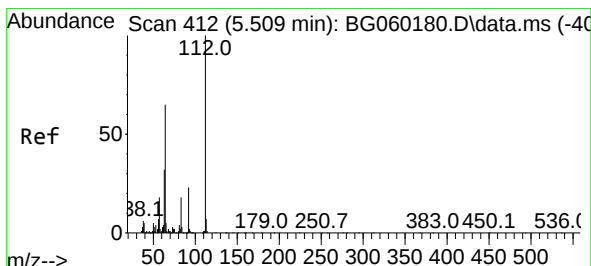
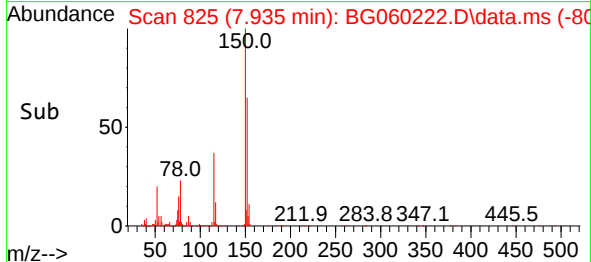
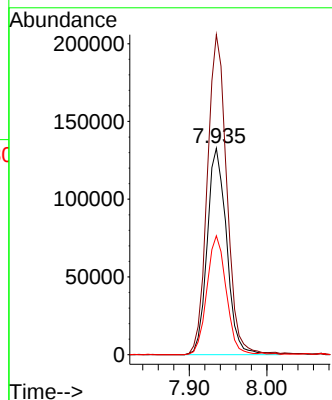
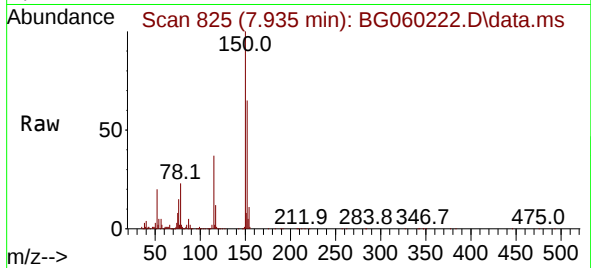




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.935 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BG060222.D  
Acq: 3 Jan 2024 11:30

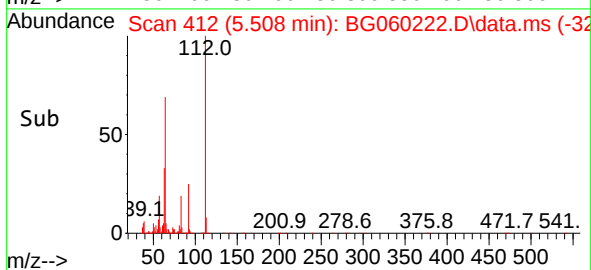
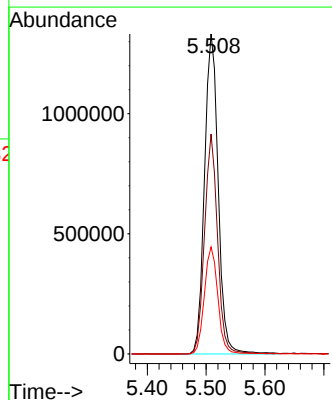
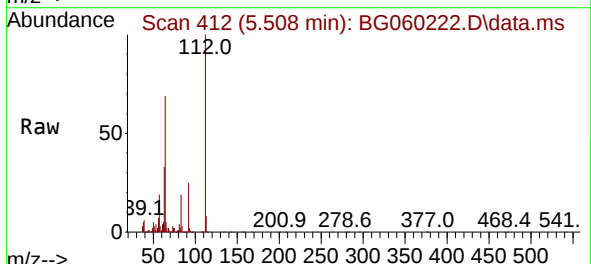
Instrument :  
BNA\_G  
ClientSampleId :  
PB158053BL

Tgt Ion:152 Resp: 231254  
Ion Ratio Lower Upper  
152 100  
150 155.0 123.4 185.0  
115 57.6 45.4 68.0



#5  
2-Fluorophenol  
Concen: 140.421 ng  
RT: 5.508 min Scan# 412  
Delta R.T. -0.000 min  
Lab File: BG060222.D  
Acq: 3 Jan 2024 11:30

Tgt Ion:112 Resp: 2151469  
Ion Ratio Lower Upper  
112 100  
64 68.7 52.2 78.4  
63 33.5 25.4 38.0

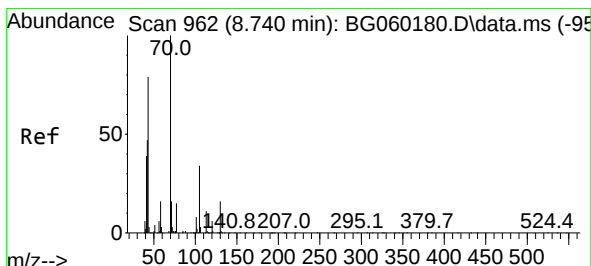
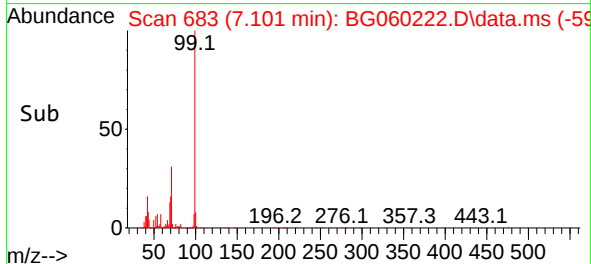
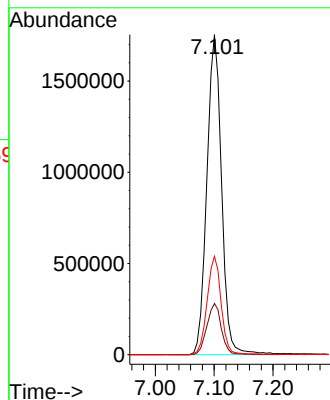
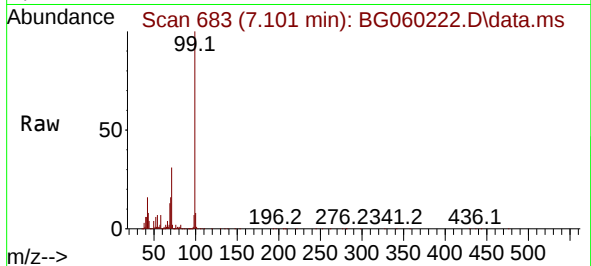




#7  
Phenol-d6  
Concen: 134.052 ng  
RT: 7.101 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: BG060222.D  
Acq: 3 Jan 2024 11:30

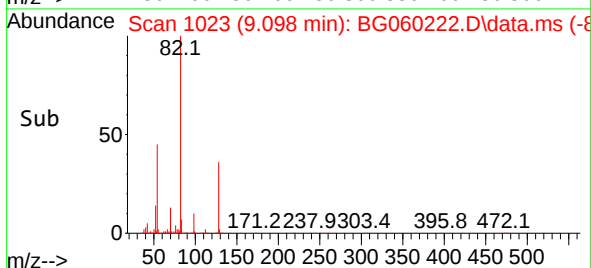
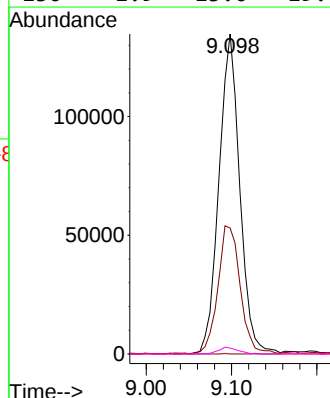
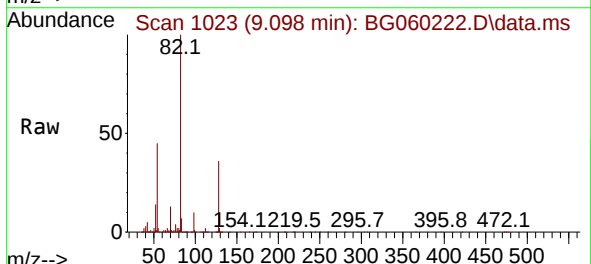
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ClientSampleId :  
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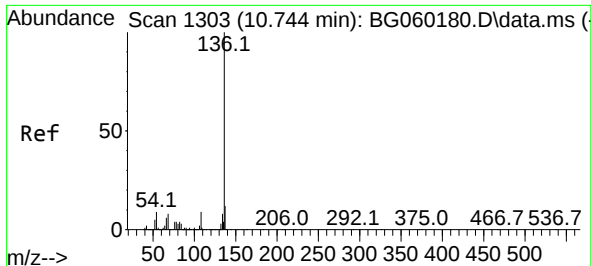
Tgt Ion: 99 Resp: 3049543  
Ion Ratio Lower Upper  
99 100  
42 16.0 12.5 18.7  
71 30.8 24.1 36.1



#19  
n-Nitroso-di-n-propylamine  
Concen: 14.699 ng  
RT: 9.098 min Scan# 1023  
Delta R.T. 0.358 min  
Lab File: BG060222.D  
Acq: 3 Jan 2024 11:30

Tgt Ion: 70 Resp: 228431  
Ion Ratio Lower Upper  
70 100  
42 39.4 37.9 56.9  
101 0.0 6.2 9.2#  
130 1.9 13.0 19.4#

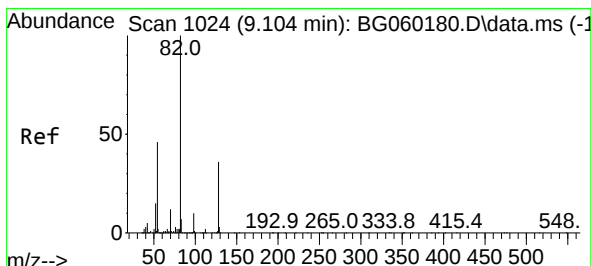
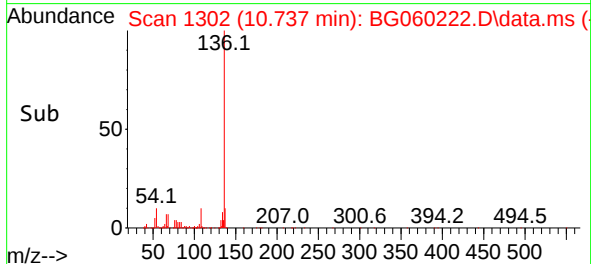
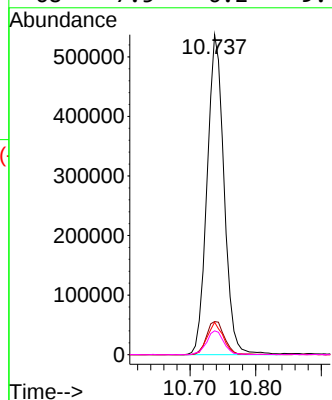
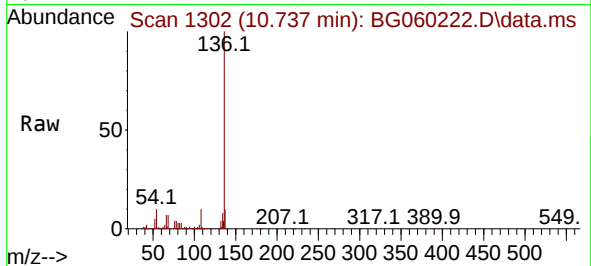




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.737 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BG060222.D  
Acq: 3 Jan 2024 11:30

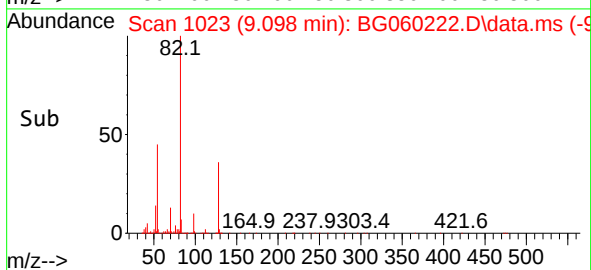
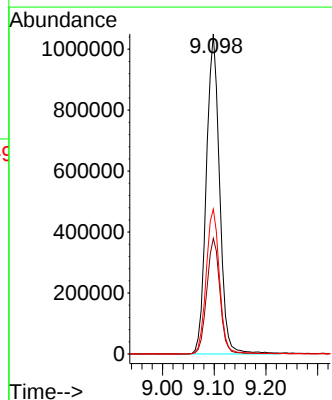
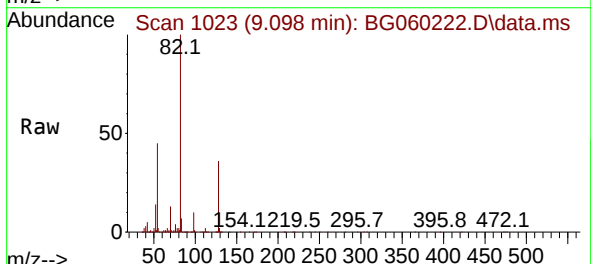
Instrument :  
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ClientSampleId :  
PB158053BL

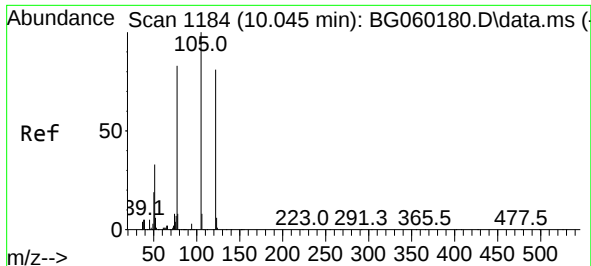
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 964947 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.4  | 9.4   | 14.0   |
| 54       | 10.2  | 7.4   | 11.2   |
| 68       | 7.5   | 6.2   | 9.4    |



#23  
Nitrobenzene-d5  
Concen: 89.507 ng  
RT: 9.098 min Scan# 1023  
Delta R.T. -0.006 min  
Lab File: BG060222.D  
Acq: 3 Jan 2024 11:30

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 82    | Resp: | 1869880 |
| Ion      | Ratio | Lower | Upper   |
| 82       | 100   |       |         |
| 128      | 36.1  | 28.7  | 43.1    |
| 54       | 45.3  | 36.9  | 55.3    |

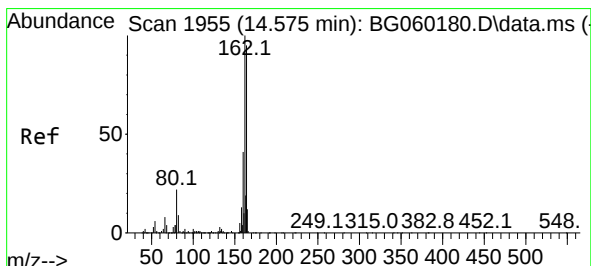
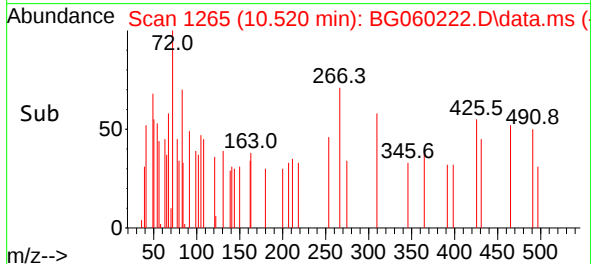
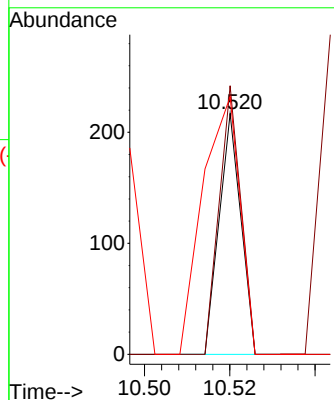
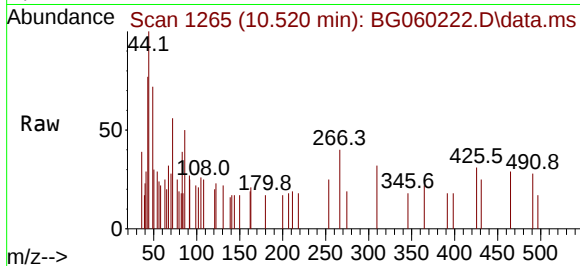




#32  
Benzoic acid  
Concen: 10.277 ng  
RT: 10.520 min Scan# 1184  
Delta R.T. 0.475 min  
Lab File: BG060222.D  
Acq: 3 Jan 2024 11:30

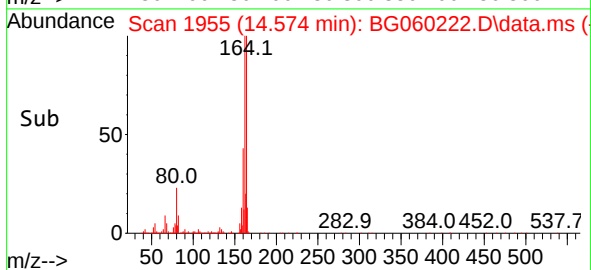
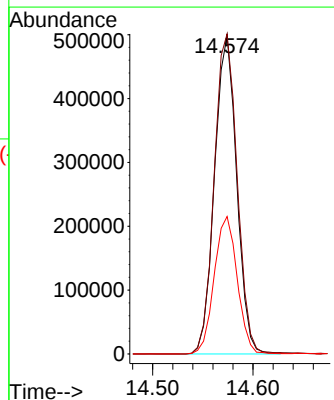
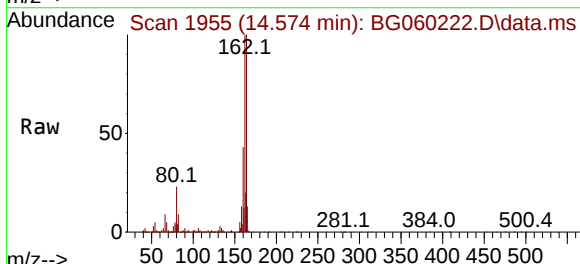
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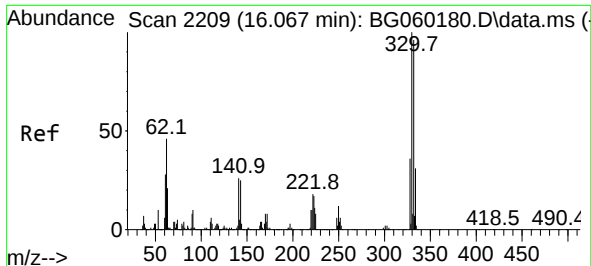
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 122   | Resp: | 77    |
| Ion      | Ratio | Lower | Upper |
| 122      | 100   |       |       |
| 105      | 111.5 | 99.2  | 139.2 |
| 77       | 106.9 | 81.0  | 121.0 |



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.574 min Scan# 1955  
Delta R.T. -0.000 min  
Lab File: BG060222.D  
Acq: 3 Jan 2024 11:30

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 164   | Resp: | 762714 |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 162      | 100.4 | 83.9  | 125.9  |
| 160      | 43.2  | 34.2  | 51.4   |

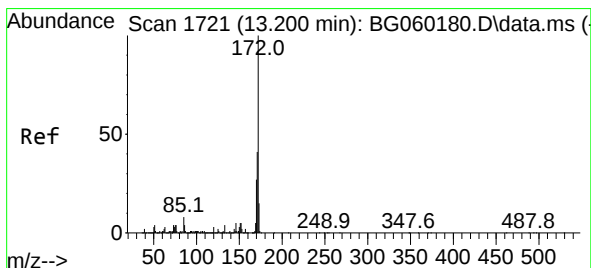
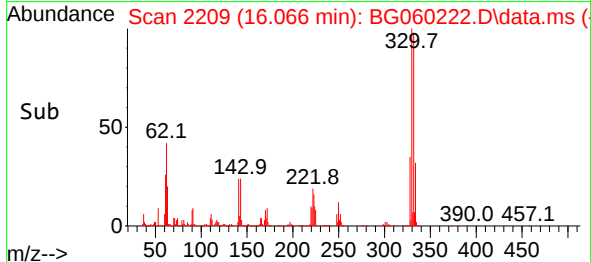
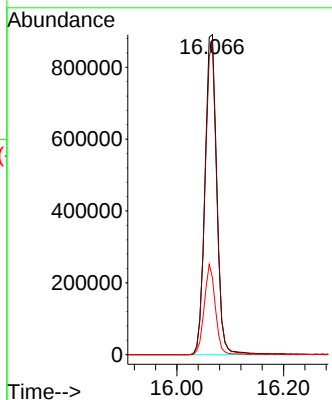
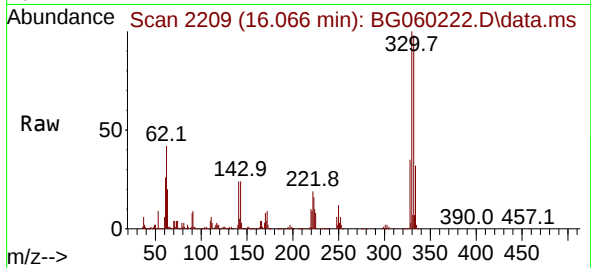




#42  
2,4,6-Tribromophenol  
Concen: 134.741 ng  
RT: 16.066 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: BG060222.D  
Acq: 3 Jan 2024 11:30

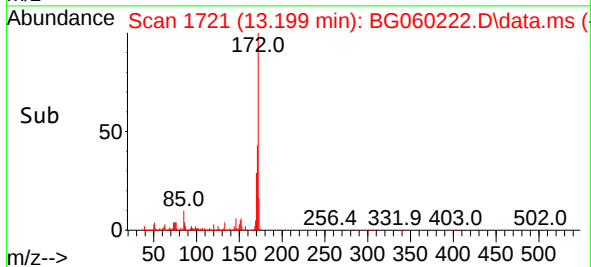
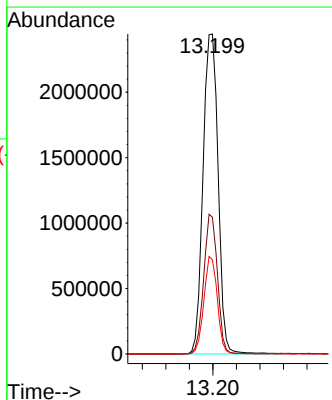
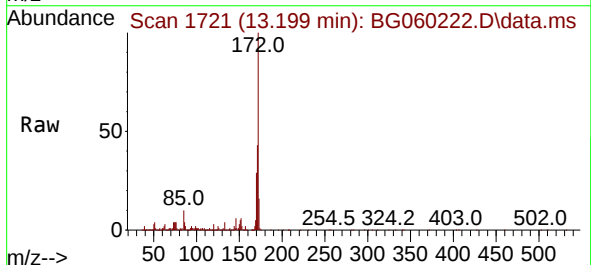
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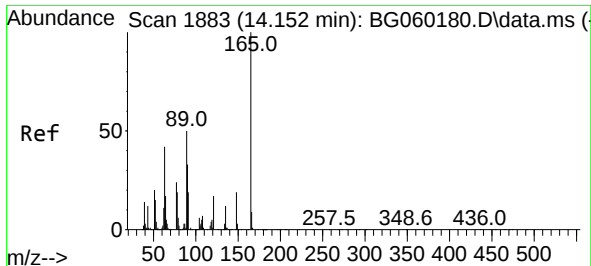
Tgt Ion:330 Resp: 1375671  
Ion Ratio Lower Upper  
330 100  
332 96.1 76.7 115.1  
141 26.4 21.0 31.4



#45  
2-Fluorobiphenyl  
Concen: 81.971 ng  
RT: 13.199 min Scan# 1721  
Delta R.T. -0.000 min  
Lab File: BG060222.D  
Acq: 3 Jan 2024 11:30

Tgt Ion:172 Resp: 4350076  
Ion Ratio Lower Upper  
172 100  
171 42.8 32.6 48.8  
170 29.4 21.8 32.6

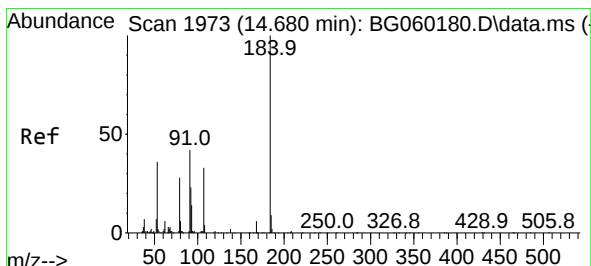
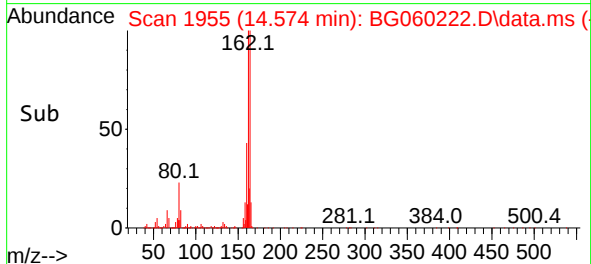
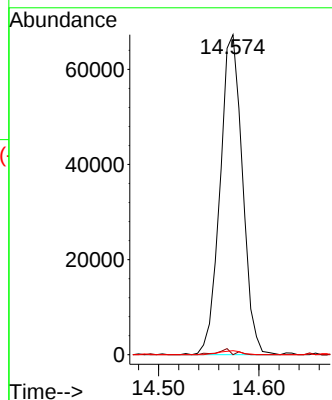
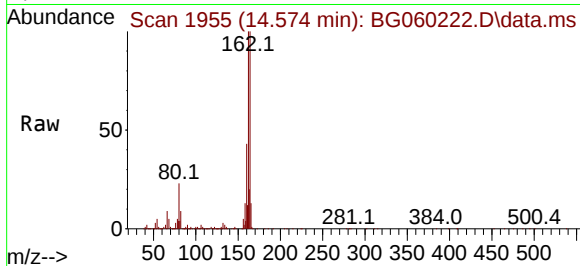




#51  
2,6-Dinitrotoluene  
Concen: 8.490 ng  
RT: 14.574 min Scan# 1987  
Delta R.T. 0.423 min  
Lab File: BG060222.D  
Acq: 3 Jan 2024 11:30

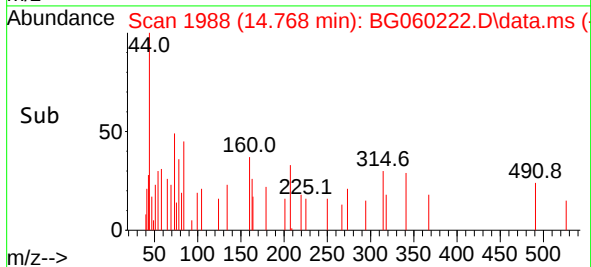
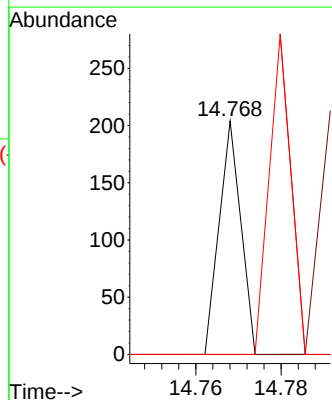
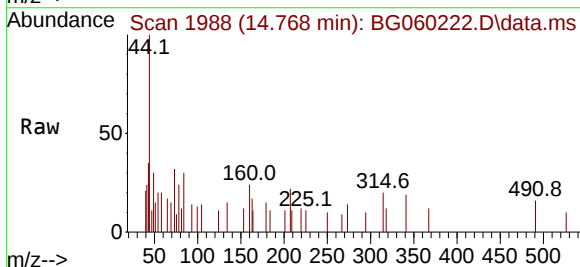
Instrument :  
BNA\_G  
ClientSampleId :  
PB158053BL

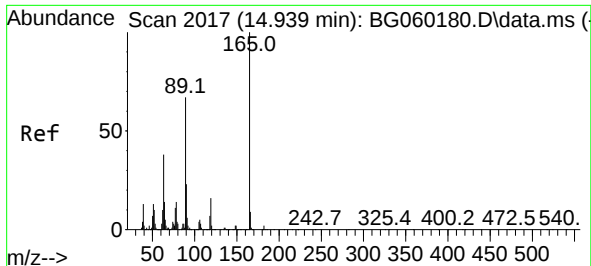
Tgt Ion:165 Resp: 103987  
Ion Ratio Lower Upper  
165 100  
63 0.0 39.3 58.9#  
89 1.3 39.8 59.8#



#54  
2,4-Dinitrophenol  
Concen: 8.245 ng  
RT: 14.768 min Scan# 1988  
Delta R.T. 0.088 min  
Lab File: BG060222.D  
Acq: 3 Jan 2024 11:30

Tgt Ion:184 Resp: 72  
Ion Ratio Lower Upper  
184 100  
63 0.0 45.4 68.2#  
154 0.0 40.0 60.0#

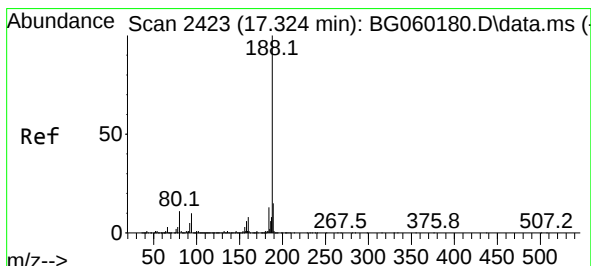
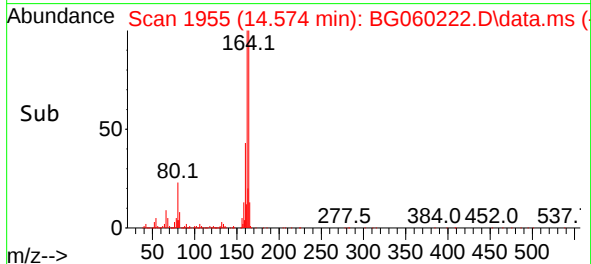
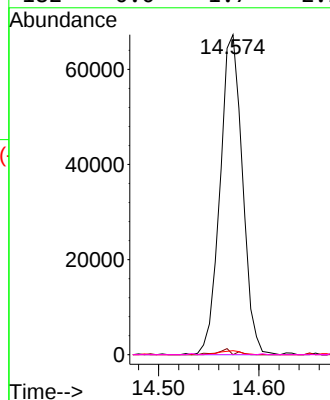
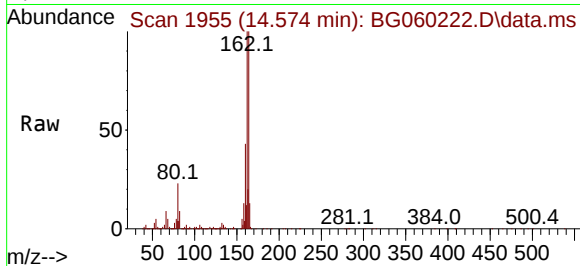




#57  
2,4-Dinitrotoluene  
Concen: 6.244 ng  
RT: 14.574 min Scan# 1955  
Delta R.T. -0.365 min  
Lab File: BG060222.D  
Acq: 3 Jan 2024 11:30

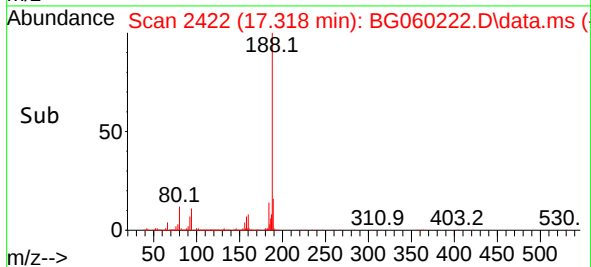
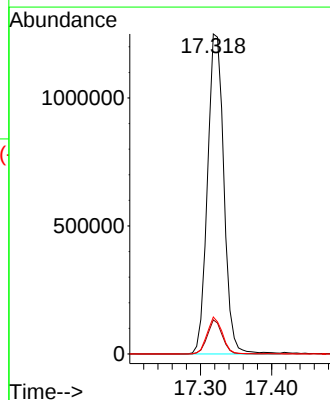
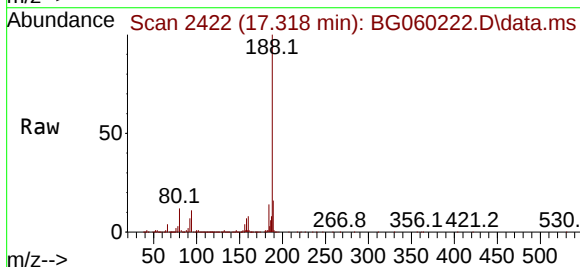
Instrument :  
BNA\_G  
ClientSampleId :  
PB158053BL

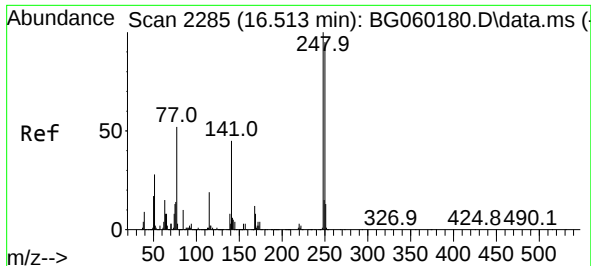
Tgt Ion:165 Resp: 103987  
Ion Ratio Lower Upper  
165 100  
63 0.0 31.0 46.6#  
89 1.3 53.3 79.9#  
182 0.0 1.7 2.5#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.318 min Scan# 2422  
Delta R.T. -0.006 min  
Lab File: BG060222.D  
Acq: 3 Jan 2024 11:30

Tgt Ion:188 Resp: 2006152  
Ion Ratio Lower Upper  
188 100  
94 10.7 7.8 11.6  
80 11.5 8.6 13.0

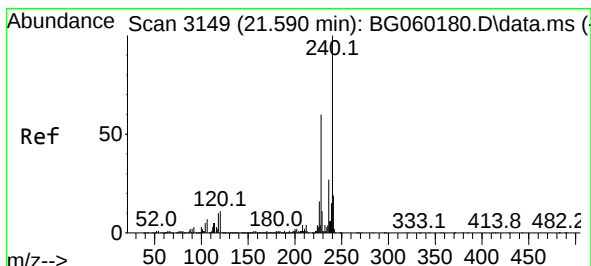
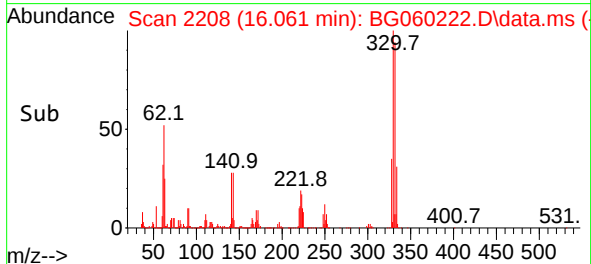
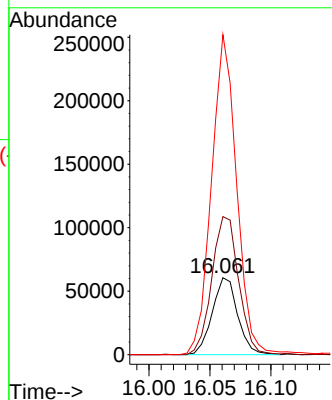
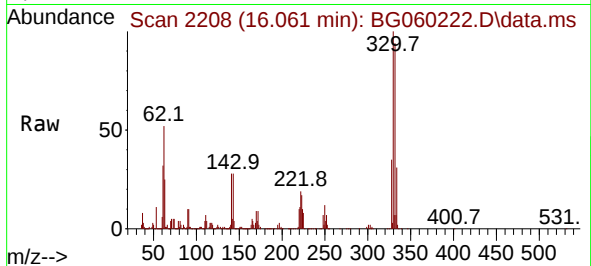




#67  
4-Bromophenyl-phenylether  
Concen: 4.134 ng  
RT: 16.061 min Scan# 21  
Delta R.T. -0.453 min  
Lab File: BG060222.D  
Acq: 3 Jan 2024 11:30

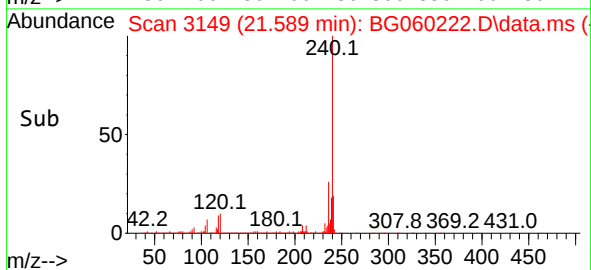
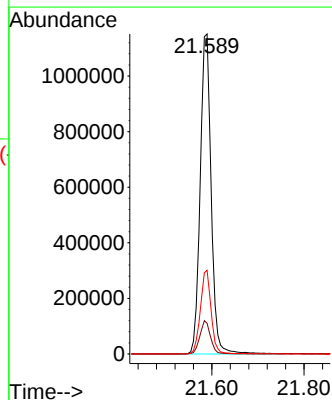
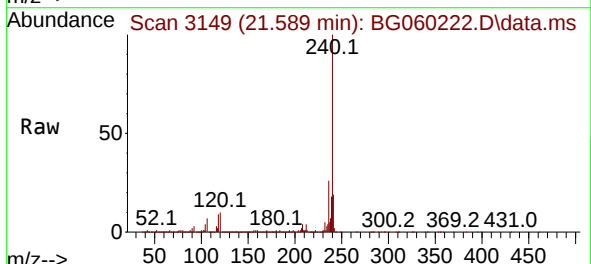
Instrument :  
BNA\_G  
ClientSampleId :  
PB158053BL

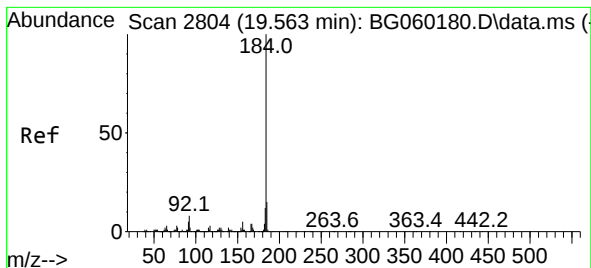
Tgt Ion:248 Resp: 87918  
Ion Ratio Lower Upper  
248 100  
250 179.4 76.2 114.4#  
141 415.9 36.0 54.0#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.589 min Scan# 3149  
Delta R.T. -0.000 min  
Lab File: BG060222.D  
Acq: 3 Jan 2024 11:30

Tgt Ion:240 Resp: 1905243  
Ion Ratio Lower Upper  
240 100  
120 9.6 8.5 12.7  
236 26.1 21.4 32.2





#77

Benzidine

Concen: 2.516 ng

RT: 19.944 min Scan# 2869

Delta R.T. 0.381 min

Lab File: BG060222.D

Acq: 3 Jan 2024 11:30

Instrument :

BNA\_G

ClientSampleId :

PB158053BL

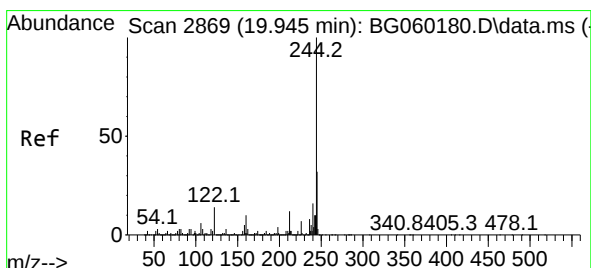
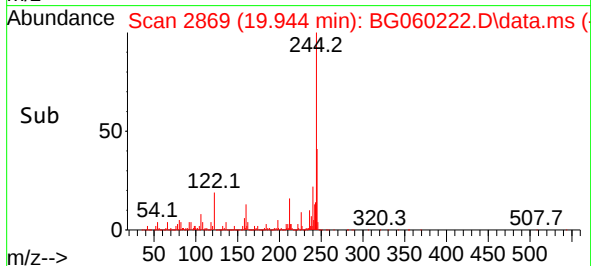
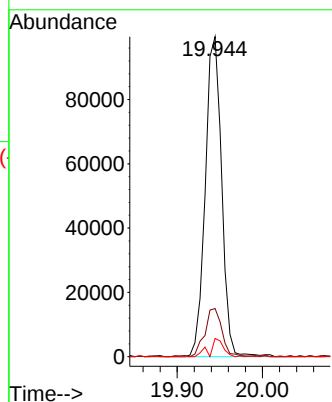
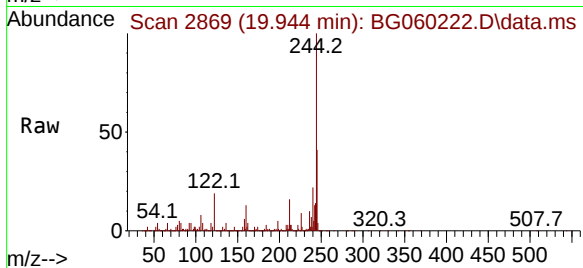
Tgt Ion:184 Resp: 132649

Ion Ratio Lower Upper

184 100

185 15.1 11.7 17.5

183 5.7 9.4 14.2#



#79

Terphenyl-d14

Concen: 62.417 ng

RT: 19.944 min Scan# 2869

Delta R.T. -0.001 min

Lab File: BG060222.D

Acq: 3 Jan 2024 11:30

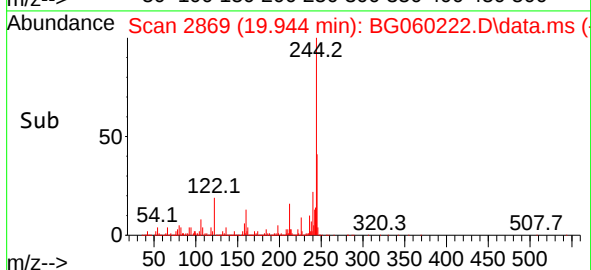
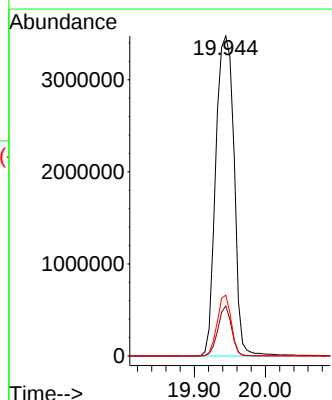
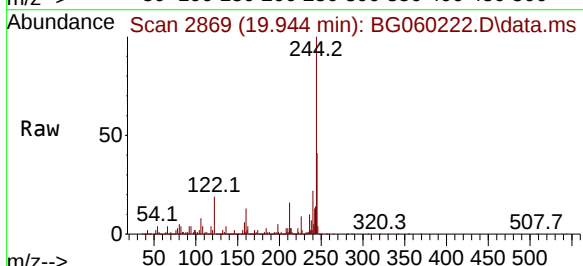
Tgt Ion:244 Resp: 6185722

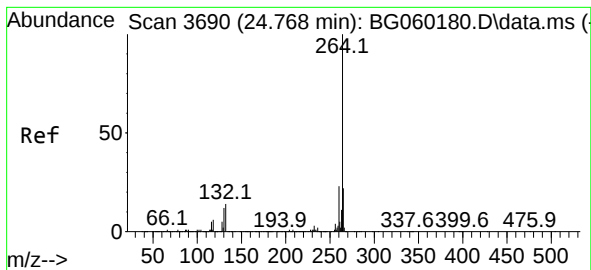
Ion Ratio Lower Upper

244 100

212 15.6 9.5 14.3#

122 19.0 11.4 17.2#





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.762 min Scan# 30  
 Delta R.T. -0.006 min  
 Lab File: BG060222.D  
 Acq: 3 Jan 2024 11:30

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB158053BL

Tgt Ion:264 Resp: 2137398  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 22.4  | 18.0  | 27.0  |
| 265 | 20.9  | 17.4  | 26.0  |

