

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG010524\  
 Data File : BG060274.D  
 Acq On : 5 Jan 2024 17:17  
 Operator : MA/JU  
 Sample : 05967-06  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Jan 06 00:44:05 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

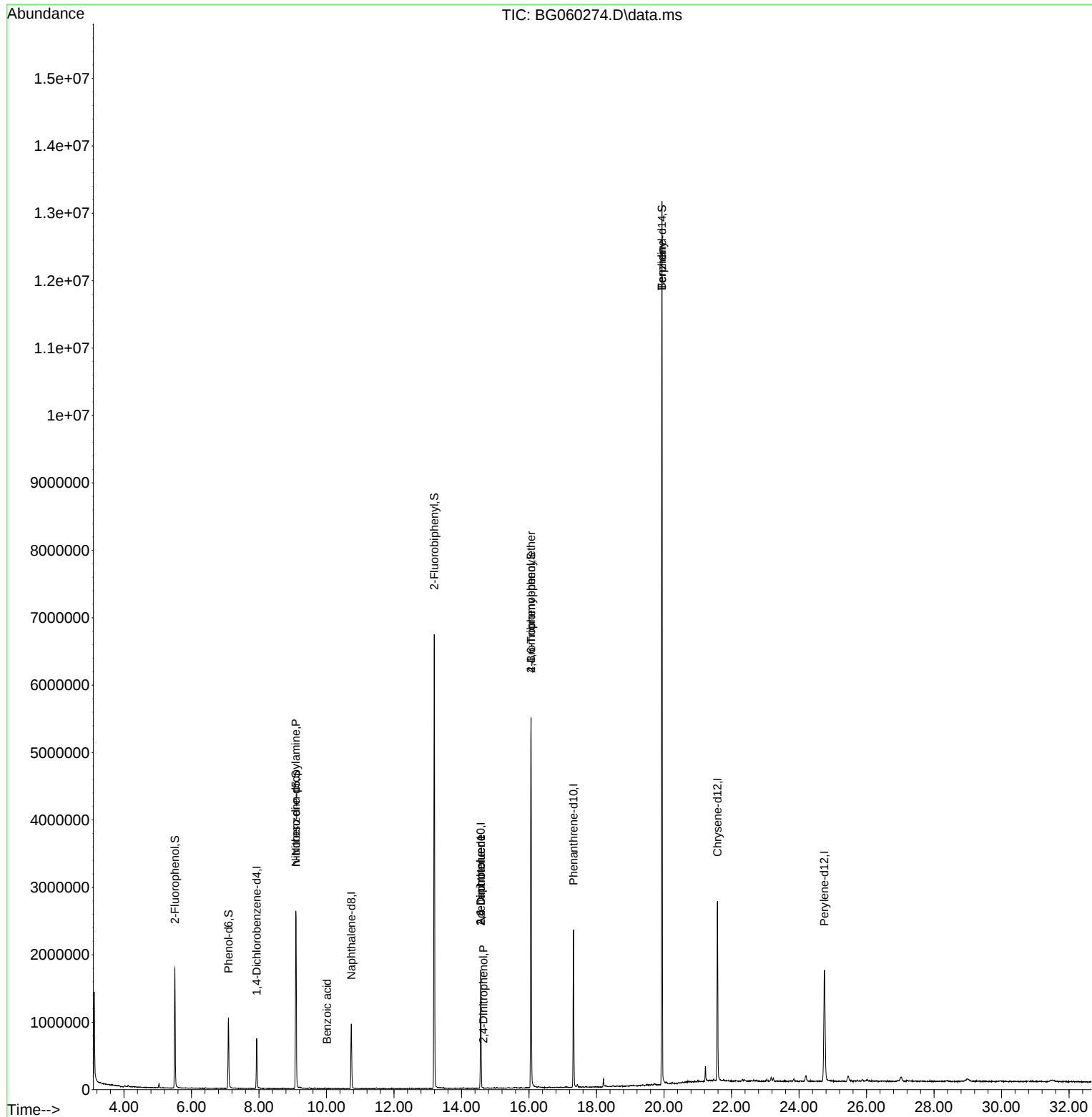
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.936  | 152  | 237976   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.738 | 136  | 878211   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.569 | 164  | 598226   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.319 | 188  | 1546817  | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.584 | 240  | 1585344  | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 24.751 | 264  | 1836173  | 20.000  | ng    | -0.02    |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.509  | 112  | 878915   | 55.744  | ng    | 0.00     |
| 7) Phenol-d6                  | 7.096  | 99   | 730418   | 31.201  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.093  | 82   | 1825976  | 96.038  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 16.062 | 330  | 1188407  | 148.405 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.194 | 172  | 3712586  | 89.194  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.939 | 244  | 5614392  | 68.084  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 9.093  | 70   | 218048   | 13.634  | ng    | # 86     |
| 32) Benzoic acid              | 10.016 | 122  | 151      | 10.284  | ng    | # 27     |
| 51) 2,6-Dinitrotoluene        | 14.569 | 165  | 80986    | 8.430   | ng    | # 29     |
| 54) 2,4-Dinitrophenol         | 14.651 | 184  | 84       | 8.250   | ng    | # 25     |
| 57) 2,4-Dinitrotoluene        | 14.569 | 165  | 80986    | 6.200   | ng    | # 26     |
| 67) 4-Bromophenyl-phenylether | 16.062 | 248  | 71190    | 4.341   | ng    | # 1      |
| 77) Benzidine                 | 19.939 | 184  | 106541   | 2.428   | ng    | # 94     |
| -----                         |        |      |          |         |       |          |

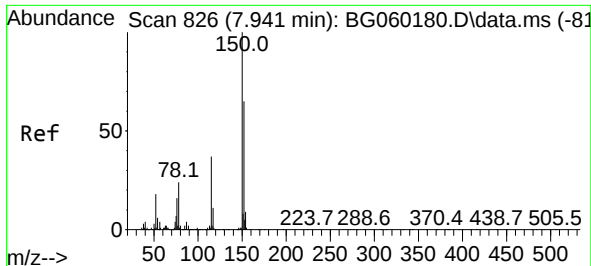
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG010524\  
Data File : BG060274.D  
Acq On : 5 Jan 2024 17:17  
Operator : MA/JU  
Sample : 05967-06  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :

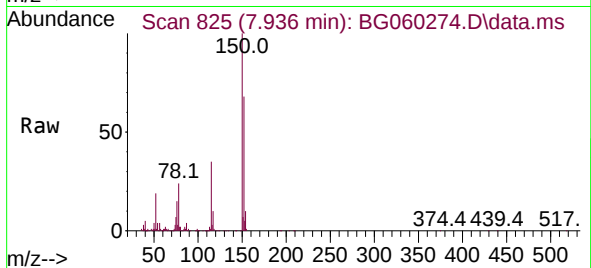
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG122923.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Dec 30 03:14:04 2023  
Response via : Initial Calibration



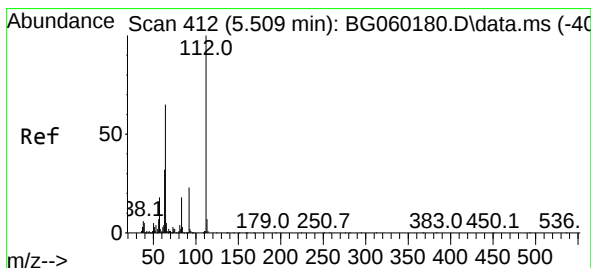
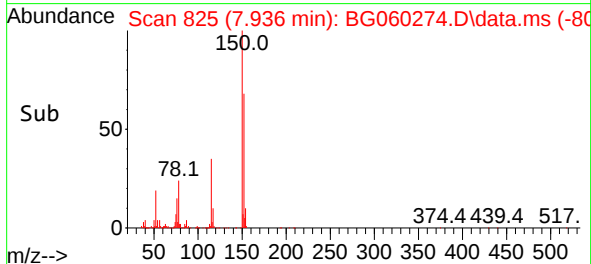
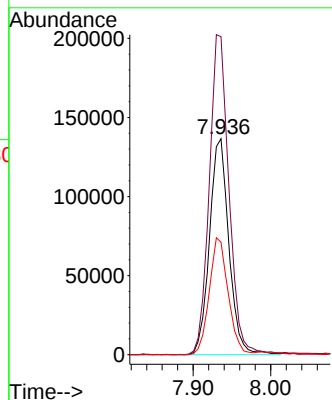


#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.936 min Scan# 81  
Delta R.T. -0.005 min  
Lab File: BG060274.D  
Acq: 5 Jan 2024 17:17

Instrument :  
BNA\_G  
ClientSampleId :

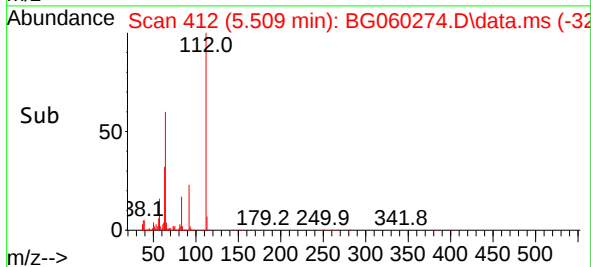
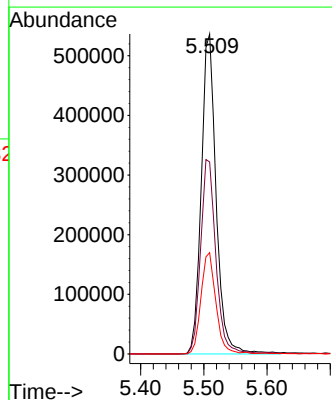
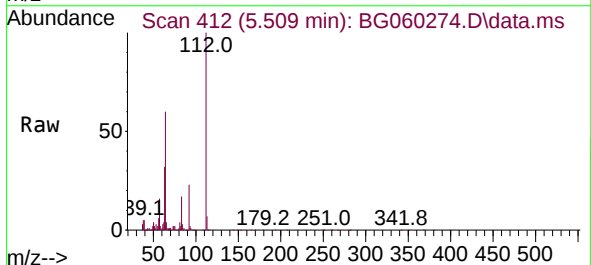


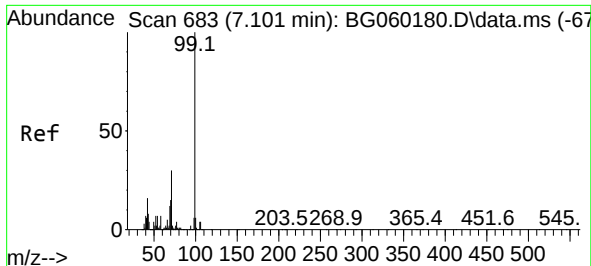
Tgt Ion:152 Resp: 237976  
Ion Ratio Lower Upper  
152 100  
150 147.2 123.4 185.0  
115 52.1 45.4 68.0



#5  
2-Fluorophenol  
Concen: 55.744 ng  
RT: 5.509 min Scan# 412  
Delta R.T. 0.001 min  
Lab File: BG060274.D  
Acq: 5 Jan 2024 17:17

Tgt Ion:112 Resp: 878915  
Ion Ratio Lower Upper  
112 100  
64 60.0 52.2 78.4  
63 31.6 25.4 38.0

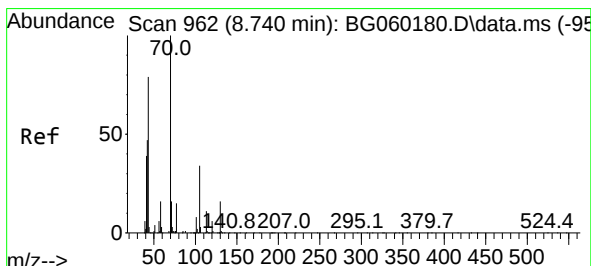
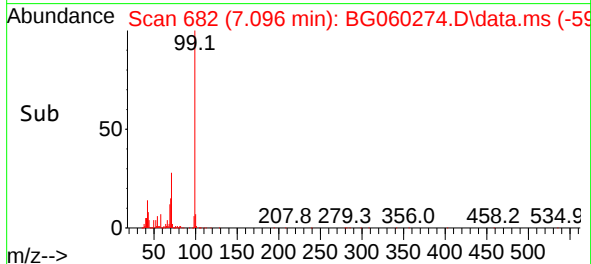
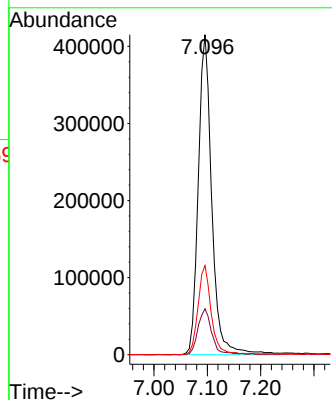
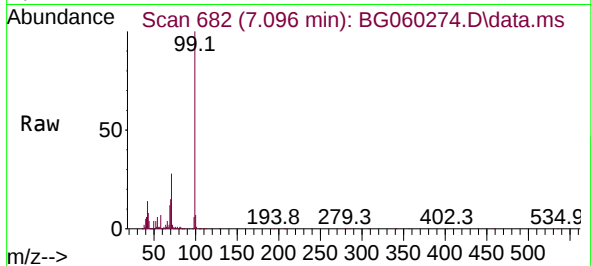




#7  
Phenol-d6  
Concen: 31.201 ng  
RT: 7.096 min Scan# 61  
Delta R.T. -0.005 min  
Lab File: BG060274.D  
Acq: 5 Jan 2024 17:17

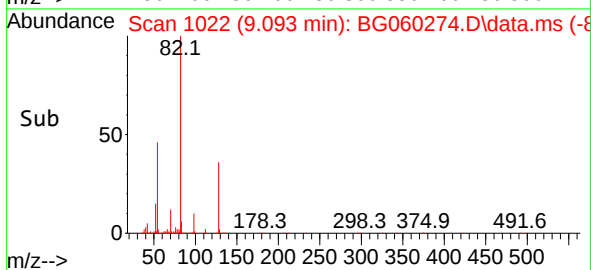
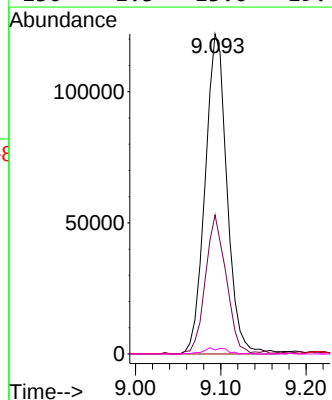
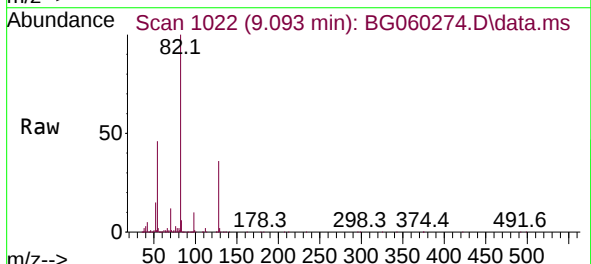
Instrument :  
BNA\_G  
ClientSampleId :

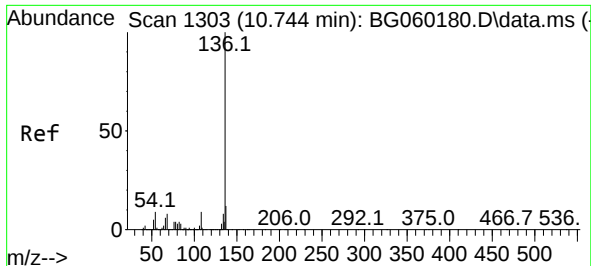
Tgt Ion: 99 Resp: 730418  
Ion Ratio Lower Upper  
99 100  
42 14.4 12.5 18.7  
71 27.9 24.1 36.1



#19  
n-Nitroso-di-n-propylamine  
Concen: 13.634 ng  
RT: 9.093 min Scan# 1022  
Delta R.T. 0.353 min  
Lab File: BG060274.D  
Acq: 5 Jan 2024 17:17

Tgt Ion: 70 Resp: 218048  
Ion Ratio Lower Upper  
70 100  
42 43.4 37.9 56.9  
101 0.0 6.2 9.2#  
130 1.3 13.0 19.4#

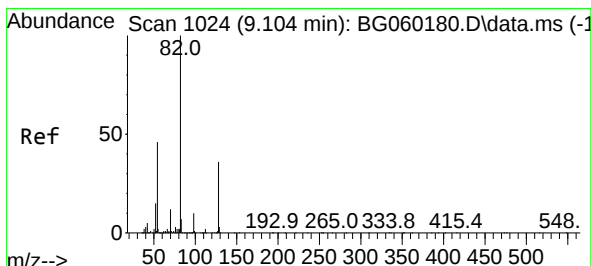
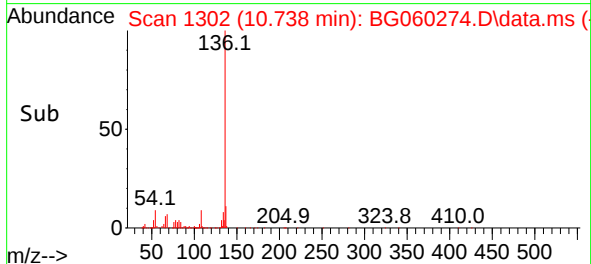
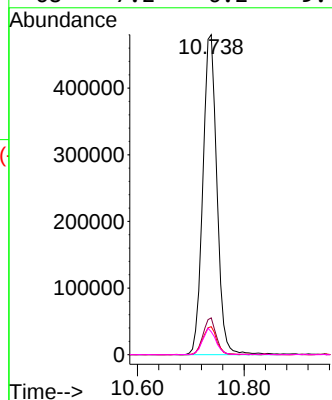
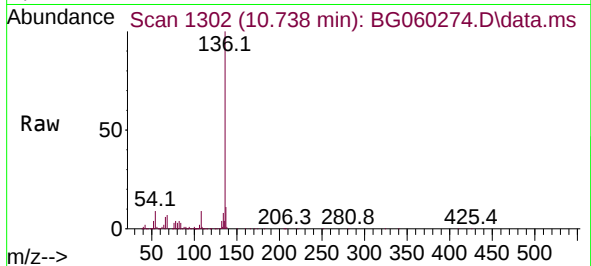




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.738 min Scan# 11  
Delta R.T. -0.005 min  
Lab File: BG060274.D  
Acq: 5 Jan 2024 17:17

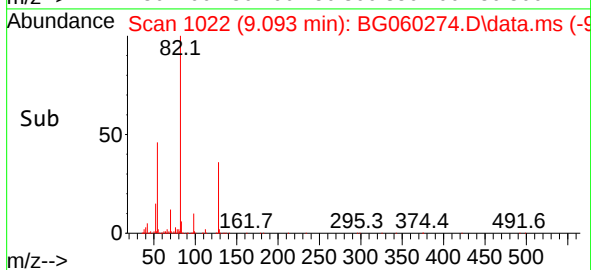
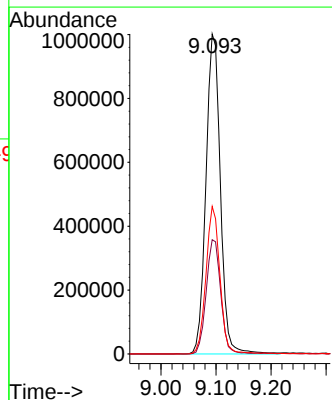
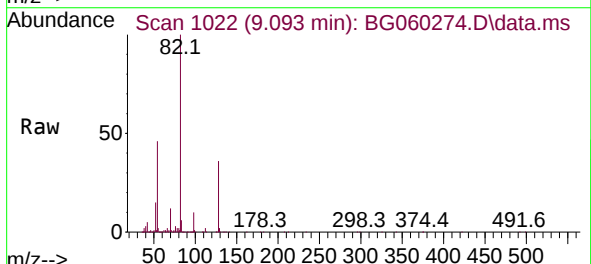
Instrument :  
BNA\_G  
ClientSampleId :

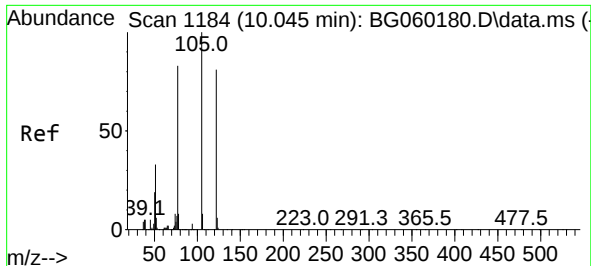
Tgt Ion:136 Resp: 878211  
Ion Ratio Lower Upper  
136 100  
137 11.5 9.4 14.0  
54 8.8 7.4 11.2  
68 7.2 6.2 9.4



#23  
Nitrobenzene-d5  
Concen: 96.038 ng  
RT: 9.093 min Scan# 1022  
Delta R.T. -0.011 min  
Lab File: BG060274.D  
Acq: 5 Jan 2024 17:17

Tgt Ion: 82 Resp: 1825976  
Ion Ratio Lower Upper  
82 100  
128 35.7 28.7 43.1  
54 46.1 36.9 55.3

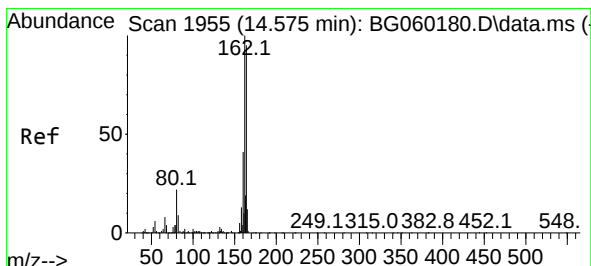
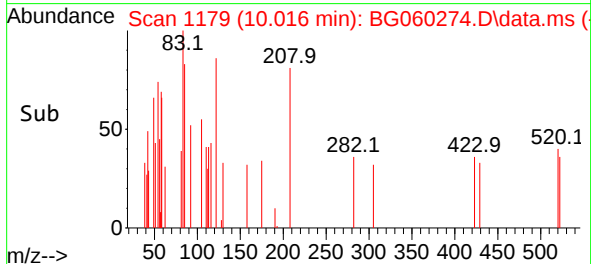
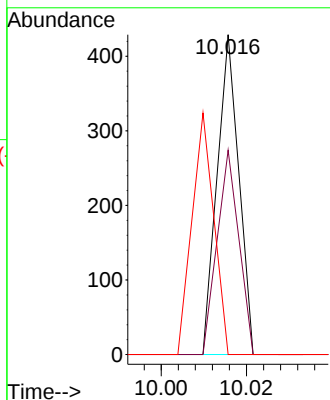
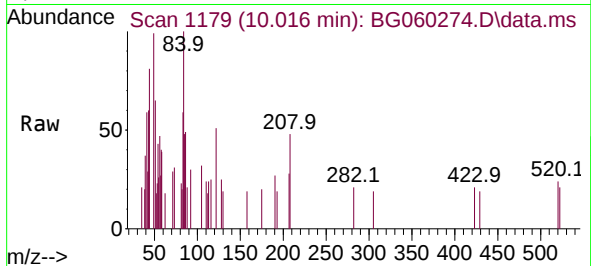




#32  
Benzoic acid  
Concen: 10.284 ng  
RT: 10.016 min Scan# 1184  
Delta R.T. -0.029 min  
Lab File: BG060274.D  
Acq: 5 Jan 2024 17:17

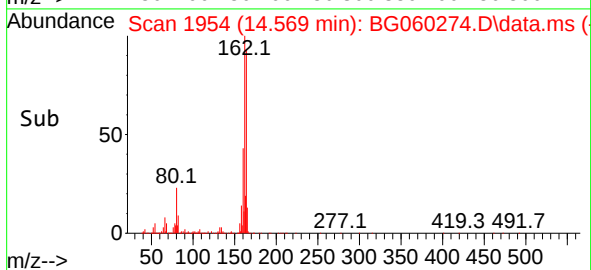
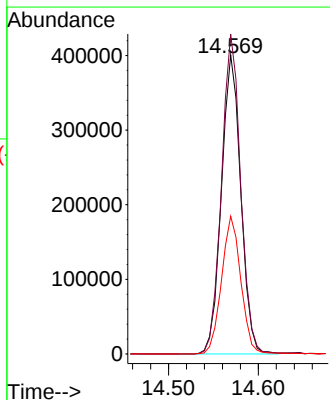
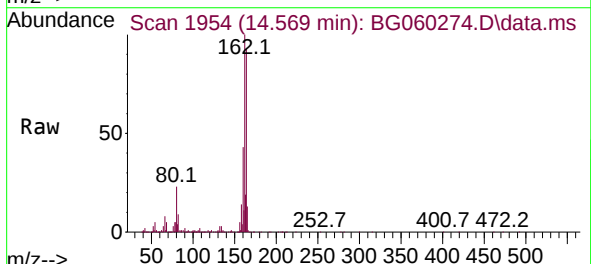
Instrument :  
BNA\_G  
ClientSampleId :

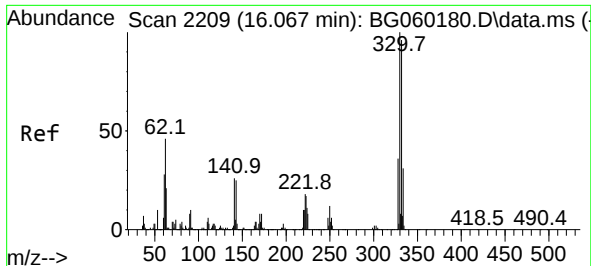
| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 122     | 100   |       |        |
| 105     | 63.9  | 99.2  | 139.2# |
| 77      | 0.0   | 81.0  | 121.0# |



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.569 min Scan# 1954  
Delta R.T. -0.005 min  
Lab File: BG060274.D  
Acq: 5 Jan 2024 17:17

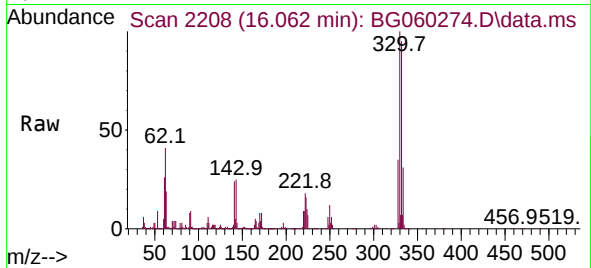
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 107.0 | 83.9  | 125.9 |
| 160     | 46.0  | 34.2  | 51.4  |



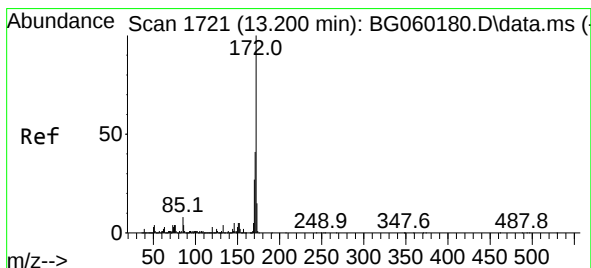
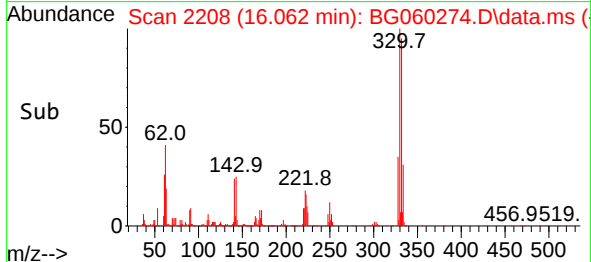
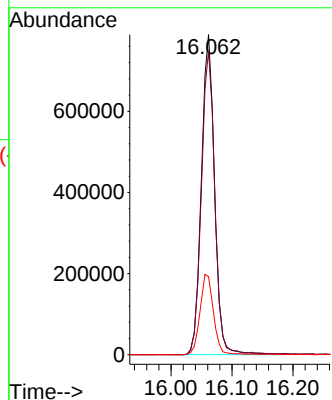


#42  
2,4,6-Tribromophenol  
Concen: 148.405 ng  
RT: 16.062 min Scan# 21  
Delta R.T. -0.005 min  
Lab File: BG060274.D  
Acq: 5 Jan 2024 17:17

Instrument :  
BNA\_G  
ClientSampleId :

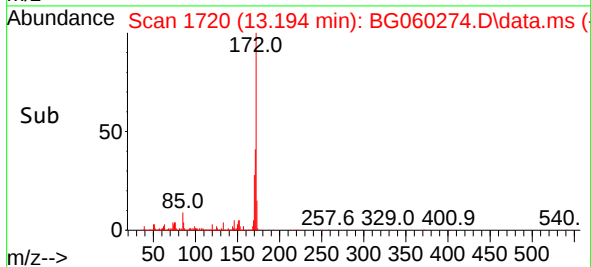
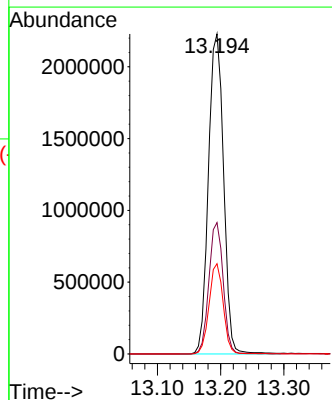
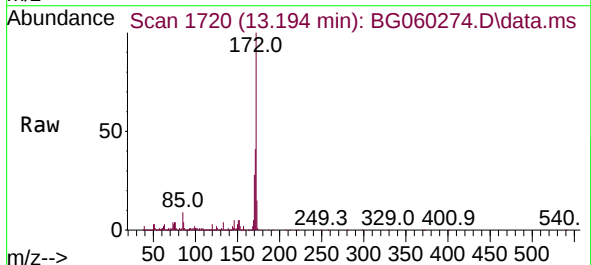


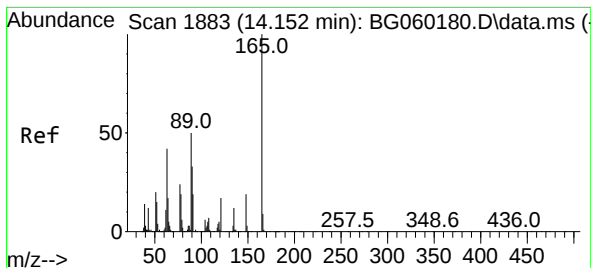
Tgt Ion:330 Resp: 1188407  
Ion Ratio Lower Upper  
330 100  
332 95.4 76.7 115.1  
141 25.6 21.0 31.4



#45  
2-Fluorobiphenyl  
Concen: 89.194 ng  
RT: 13.194 min Scan# 1720  
Delta R.T. -0.005 min  
Lab File: BG060274.D  
Acq: 5 Jan 2024 17:17

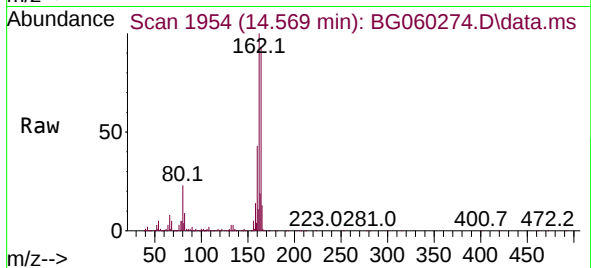
Tgt Ion:172 Resp: 3712586  
Ion Ratio Lower Upper  
172 100  
171 41.1 32.6 48.8  
170 28.2 21.8 32.6



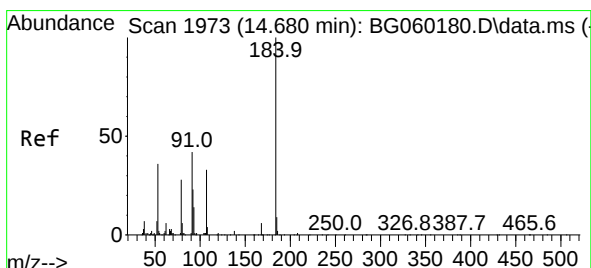
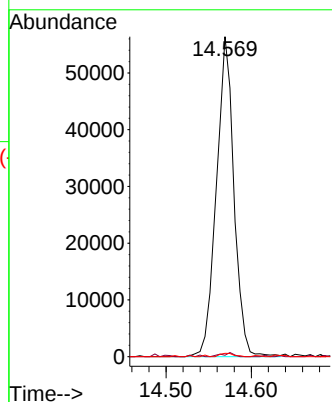
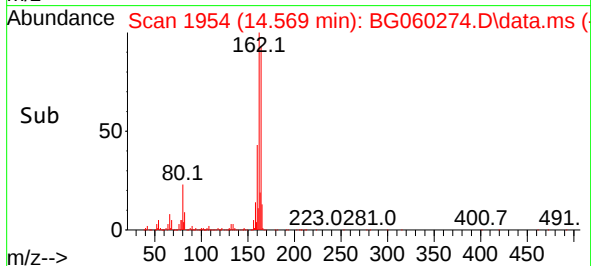


#51  
2,6-Dinitrotoluene  
Concen: 8.430 ng  
RT: 14.569 min Scan# 1954  
Delta R.T. 0.418 min  
Lab File: BG060274.D  
Acq: 5 Jan 2024 17:17

Instrument :  
BNA\_G  
ClientSampleId :

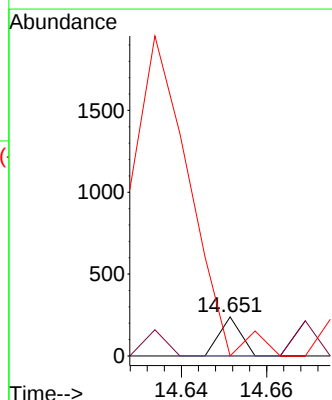
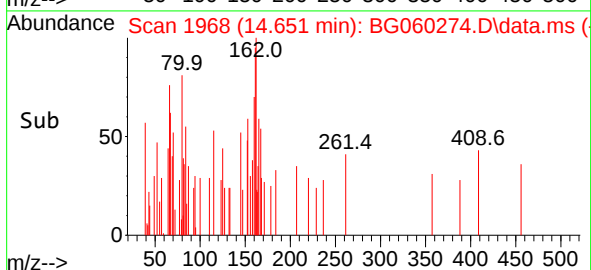
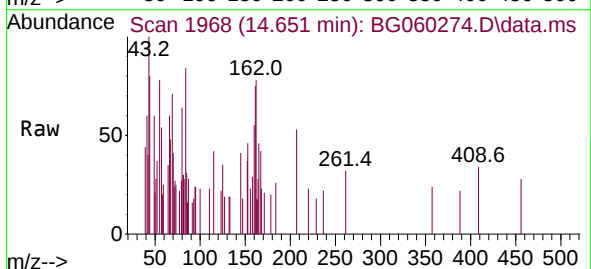


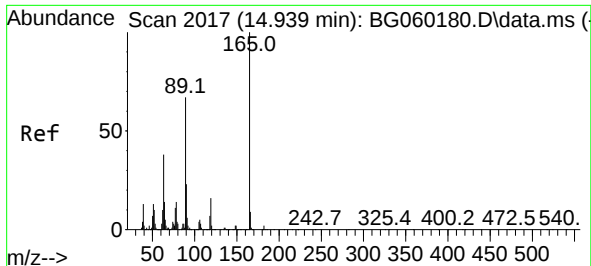
Tgt Ion:165 Resp: 80986  
Ion Ratio Lower Upper  
165 100  
63 0.5 39.3 58.9#  
89 1.0 39.8 59.8#



#54  
2,4-Dinitrophenol  
Concen: 8.250 ng  
RT: 14.651 min Scan# 1968  
Delta R.T. -0.029 min  
Lab File: BG060274.D  
Acq: 5 Jan 2024 17:17

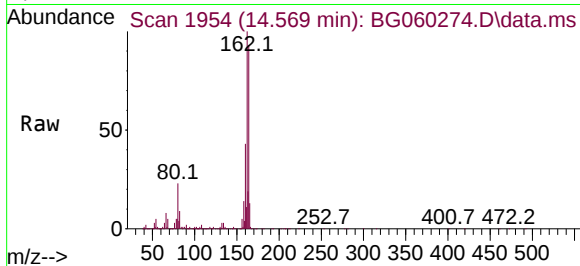
Tgt Ion:184 Resp: 84  
Ion Ratio Lower Upper  
184 100  
63 0.0 45.4 68.2#  
154 0.0 40.0 60.0#



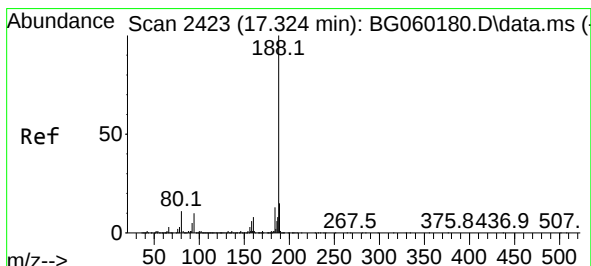
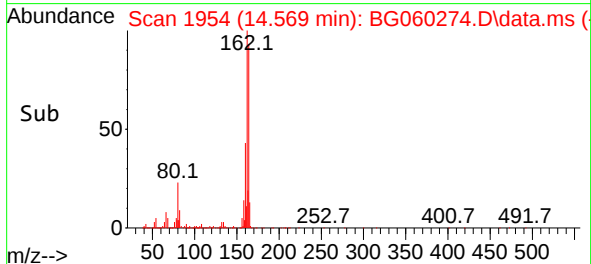
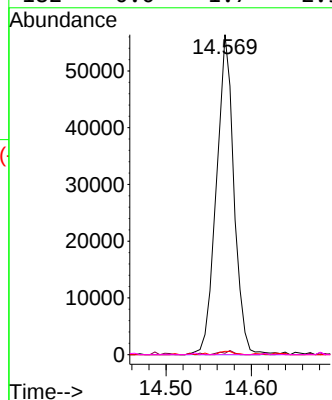


#57  
2,4-Dinitrotoluene  
Concen: 6.200 ng  
RT: 14.569 min Scan# 1954  
Delta R.T. -0.370 min  
Lab File: BG060274.D  
Acq: 5 Jan 2024 17:17

Instrument :  
BNA\_G  
ClientSampleId :

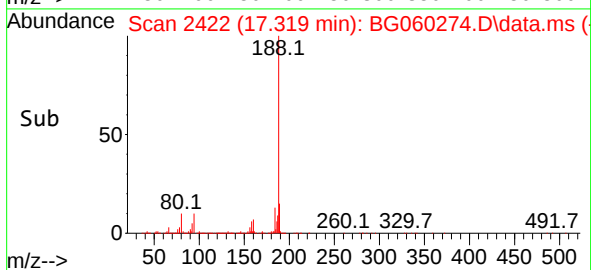
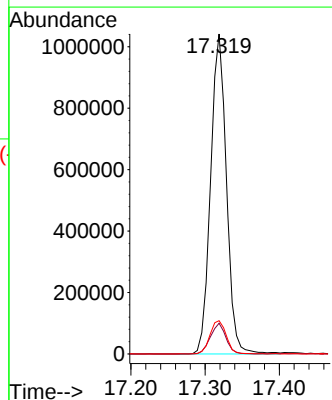
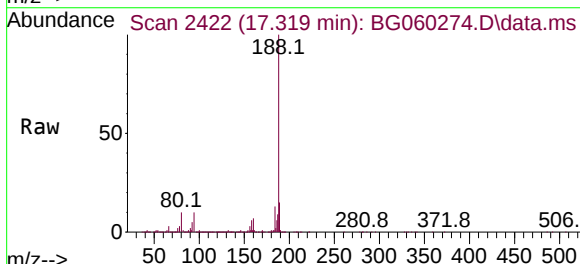


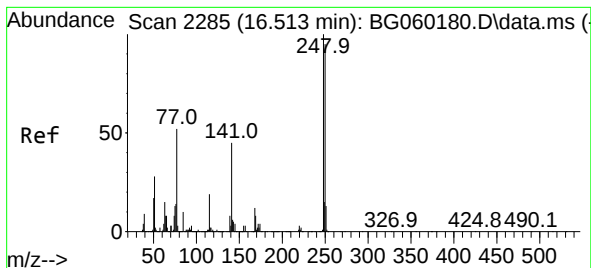
Tgt Ion:165 Resp: 80986  
Ion Ratio Lower Upper  
165 100  
63 0.5 31.0 46.6#  
89 1.0 53.3 79.9#  
182 0.0 1.7 2.5#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.319 min Scan# 2422  
Delta R.T. -0.005 min  
Lab File: BG060274.D  
Acq: 5 Jan 2024 17:17

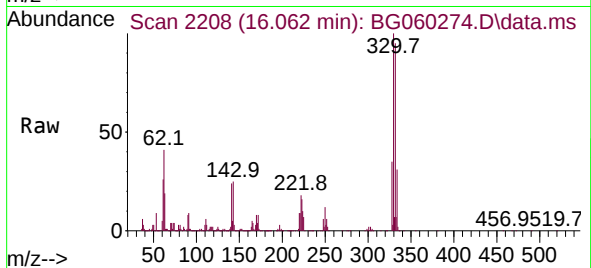
Tgt Ion:188 Resp: 1546817  
Ion Ratio Lower Upper  
188 100  
94 9.6 7.8 11.6  
80 10.4 8.6 13.0



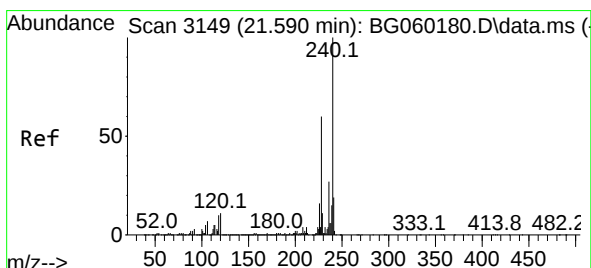
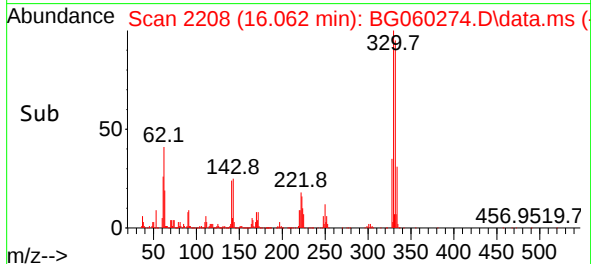
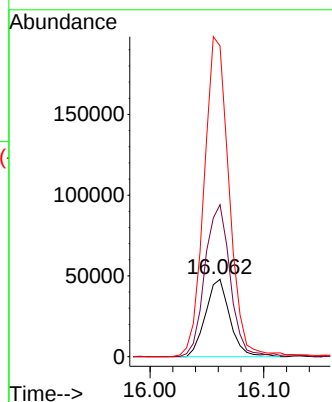


#67  
4-Bromophenyl-phenylether  
Concen: 4.341 ng  
RT: 16.062 min Scan# 21  
Delta R.T. -0.452 min  
Lab File: BG060274.D  
Acq: 5 Jan 2024 17:17

Instrument :  
BNA\_G  
ClientSampleId :

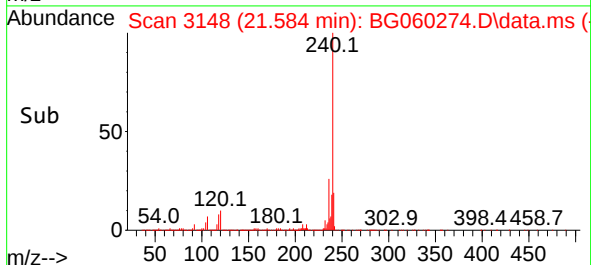
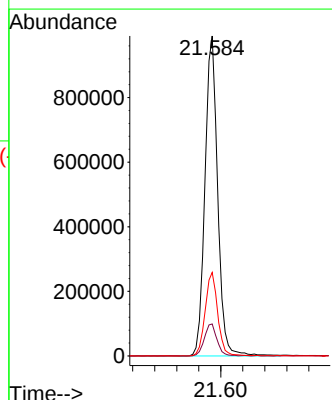
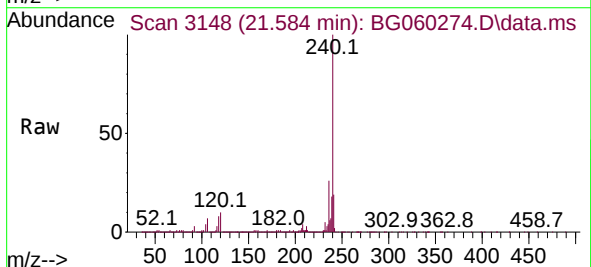


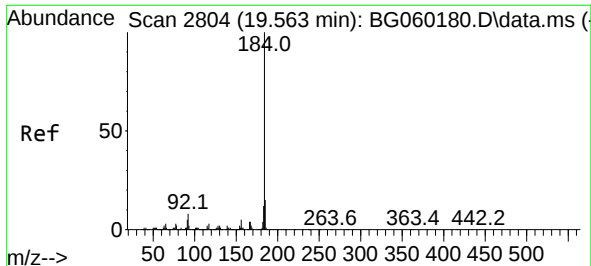
Tgt Ion:248 Resp: 71190  
Ion Ratio Lower Upper  
248 100  
250 196.7 76.2 114.4#  
141 401.9 36.0 54.0#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.584 min Scan# 3148  
Delta R.T. -0.005 min  
Lab File: BG060274.D  
Acq: 5 Jan 2024 17:17

Tgt Ion:240 Resp: 1585344  
Ion Ratio Lower Upper  
240 100  
120 10.0 8.5 12.7  
236 26.1 21.4 32.2

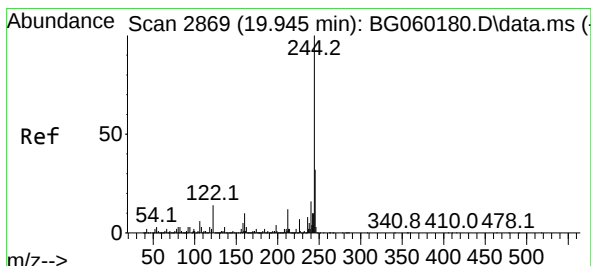
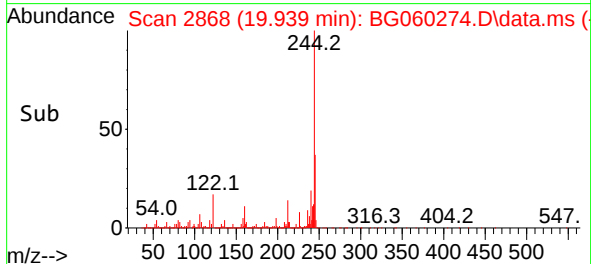
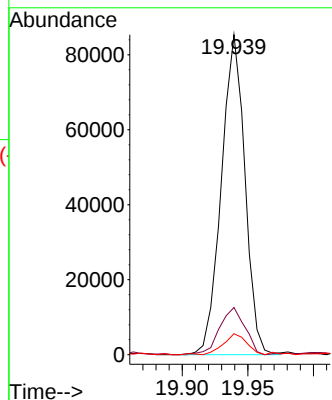
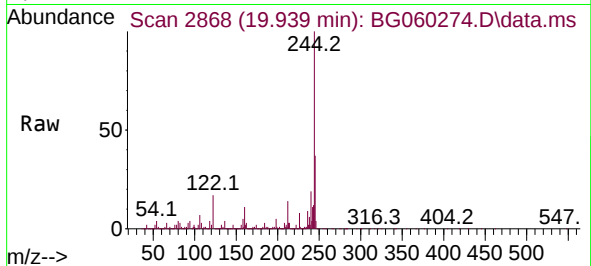




#77  
Benzidine  
Concen: 2.428 ng  
RT: 19.939 min Scan# 2804  
Delta R.T. 0.377 min  
Lab File: BG060274.D  
Acq: 5 Jan 2024 17:17

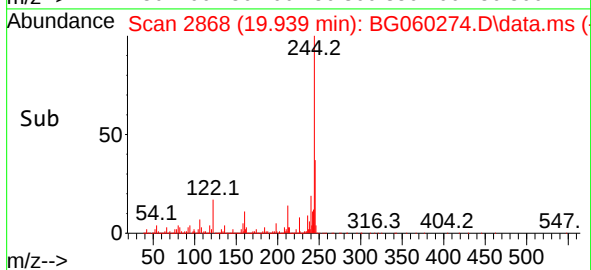
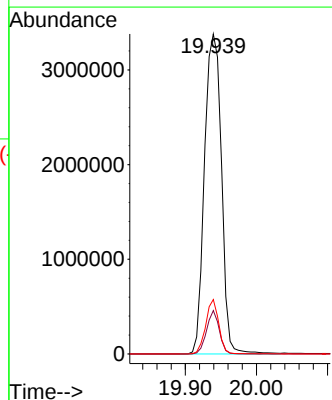
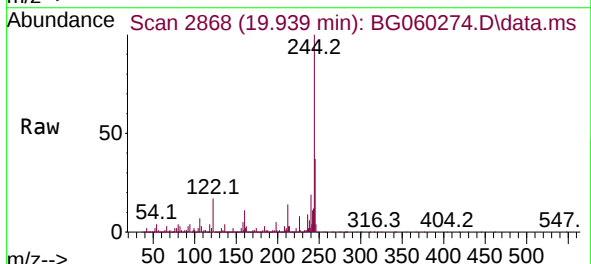
Instrument :  
BNA\_G  
ClientSampleId :

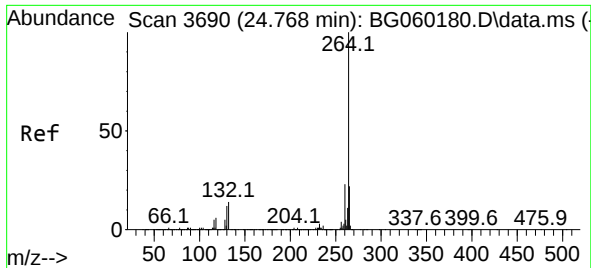
Tgt Ion:184 Resp: 106541  
Ion Ratio Lower Upper  
184 100  
185 14.7 11.7 17.5  
183 6.6 9.4 14.2#



#79  
Terphenyl-d14  
Concen: 68.084 ng  
RT: 19.939 min Scan# 2868  
Delta R.T. -0.006 min  
Lab File: BG060274.D  
Acq: 5 Jan 2024 17:17

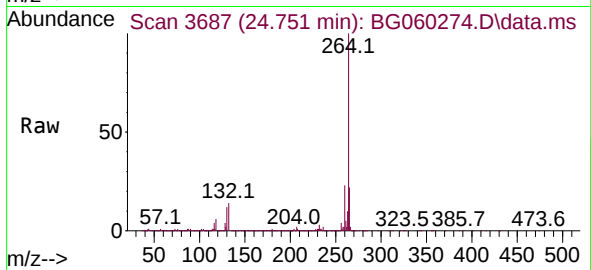
Tgt Ion:244 Resp: 5614392  
Ion Ratio Lower Upper  
244 100  
212 13.5 9.5 14.3  
122 17.0 11.4 17.2





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.751 min Scan# 30  
 Delta R.T. -0.017 min  
 Lab File: BG060274.D  
 Acq: 5 Jan 2024 17:17

Instrument :  
 BNA\_G  
 ClientSampleId :



Tgt Ion:264 Resp: 1836173  
 Ion Ratio Lower Upper  
 264 100  
 260 23.4 18.0 27.0  
 265 21.7 17.4 26.0

