

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG050824\  
 Data File : BG061139.D  
 Acq On : 8 May 2024 12:18  
 Operator : MA/JU  
 Sample : PB160756BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB160756BL

Quant Time: May 08 13:17:14 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG043024.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 01 05:11:25 2024  
 Response via : Initial Calibration

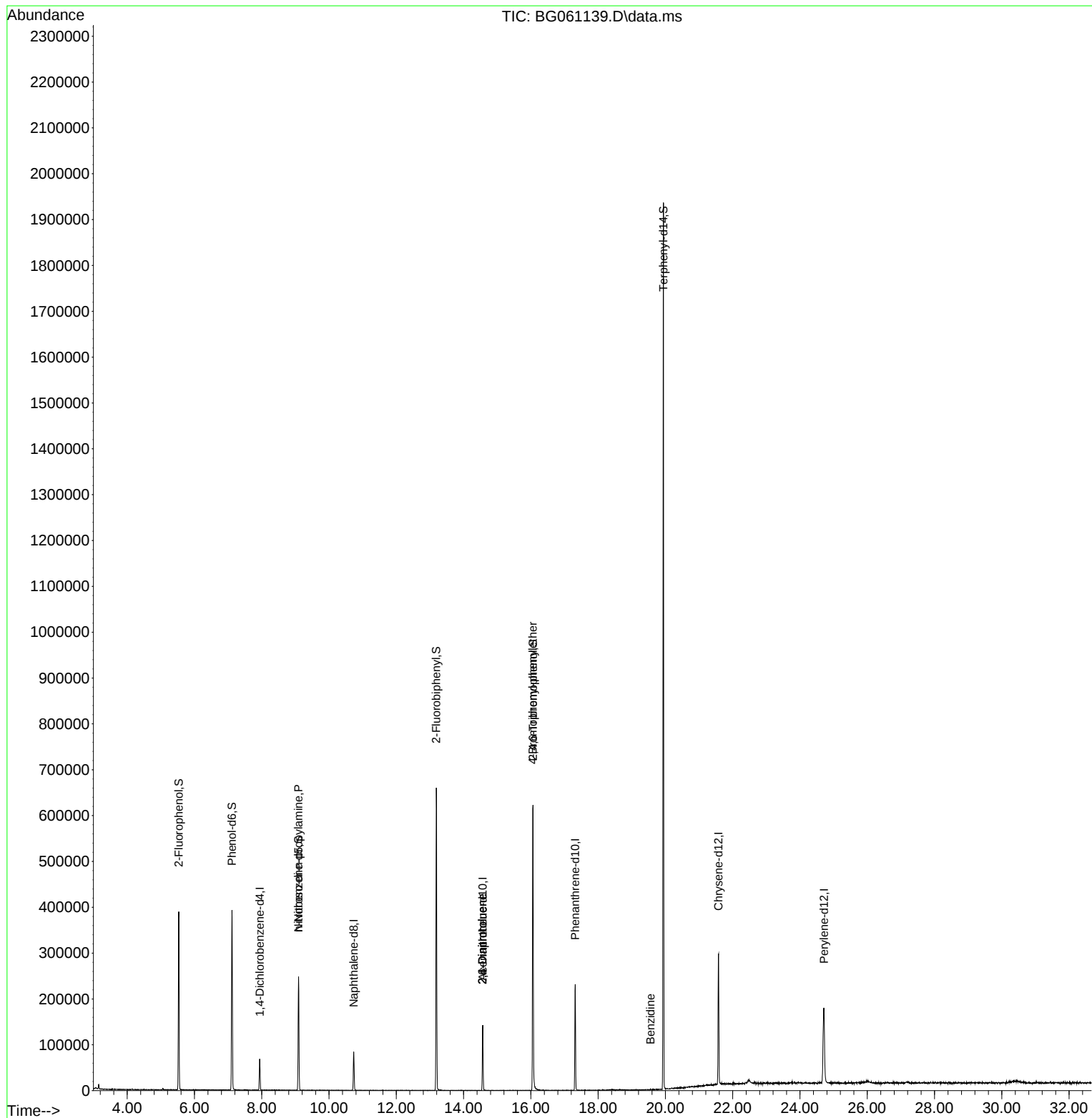
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.942  | 152  | 16801    | 20.000    | ng    | -0.02    |
| 21) Naphthalene-d8            | 10.733 | 136  | 66409    | 20.000    | ng    | #-0.03   |
| 39) Acenaphthene-d10          | 14.569 | 164  | 56901    | 20.000    | ng    | -0.02    |
| 64) Phenanthrene-d10          | 17.319 | 188  | 158410   | 20.000    | ng    | -0.01    |
| 76) Chrysene-d12              | 21.573 | 240  | 185079   | 20.000    | ng    | #-0.02   |
| 86) Perylene-d12              | 24.710 | 264  | 211854   | 20.000    | ng    | -0.02    |
|                               |        |      |          |           |       |          |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.533  | 112  | 135173   | 163.625   | ng    | -0.01    |
| 7) Phenol-d6                  | 7.113  | 99   | 179124   | 146.572   | ng    | -0.02    |
| 23) Nitrobenzene-d5           | 9.093  | 82   | 123534   | 92.214    | ng    | -0.03    |
| 42) 2,4,6-Tribromophenol      | 16.062 | 330  | 151373   | 133.093   | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 13.189 | 172  | 343510   | 89.270    | ng    | -0.02    |
| 79) Terphenyl-d14             | 19.939 | 244  | 990997   | 89.052    | ng    | -0.01    |
|                               |        |      |          |           |       |          |
| Target Compounds              |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde               | 7.107  | 77   | 402      | Below Cal | #     | 3        |
| 19) n-Nitroso-di-n-propyla... | 9.093  | 70   | 18951    | 20.721    | ng    | # 57     |
| 51) 2,6-Dinitrotoluene        | 14.563 | 165  | 6959     | 7.403     | ng    | # 15     |
| 57) 2,4-Dinitrotoluene        | 14.563 | 165  | 6959     | 5.004     | ng    | # 17     |
| 67) 4-Bromophenyl-phenylether | 16.056 | 248  | 9203     | 4.932     | ng    | # 1      |
| 77) Benzidine                 | 19.558 | 184  | 817      | 3.014     | ng    | # 65     |
| -----                         |        |      |          |           |       |          |

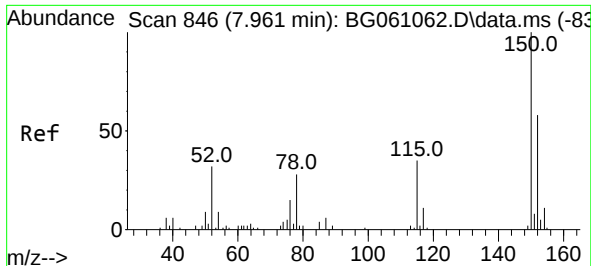
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG050824\  
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Sample : PB160756BL  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
PB160756BL

Quant Time: May 08 13:17:14 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG043024.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed May 01 05:11:25 2024  
Response via : Initial Calibration

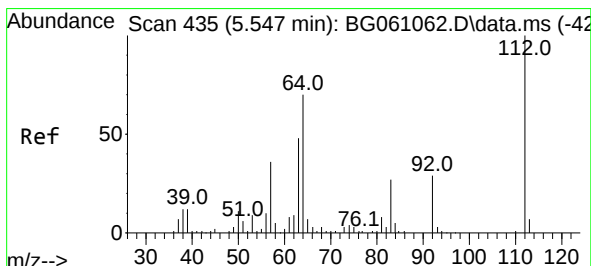
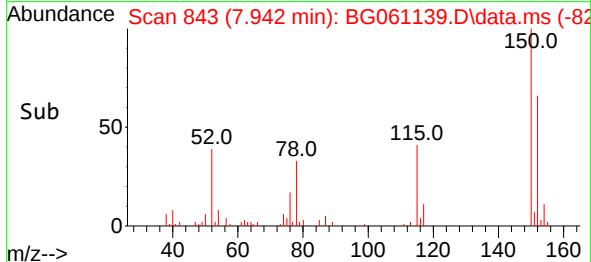
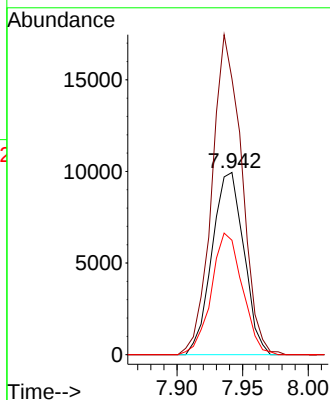
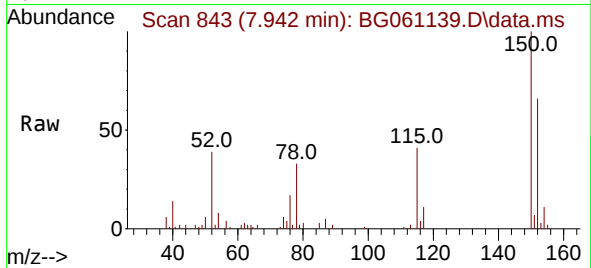




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.942 min Scan# 846  
Delta R.T. -0.019 min  
Lab File: BG061139.D  
Acq: 8 May 2024 12:18

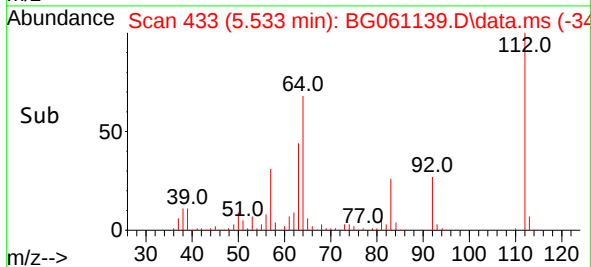
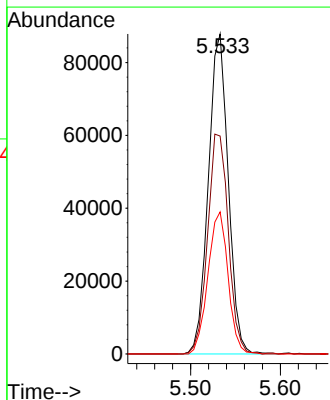
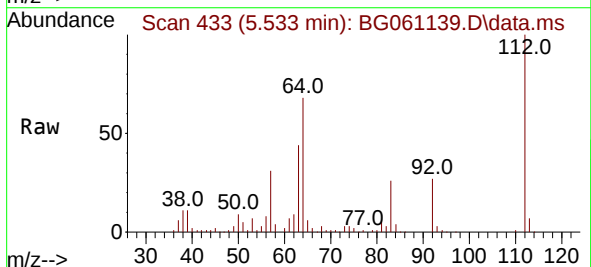
Instrument :  
BNA\_G  
ClientSampleId :  
PB160756BL

Tgt Ion:152 Resp: 16801  
Ion Ratio Lower Upper  
152 100  
150 151.4 138.3 207.5  
115 62.8 48.0 72.0



#5  
2-Fluorophenol  
Concen: 163.625 ng  
RT: 5.533 min Scan# 433  
Delta R.T. -0.014 min  
Lab File: BG061139.D  
Acq: 8 May 2024 12:18

Tgt Ion:112 Resp: 135173  
Ion Ratio Lower Upper  
112 100  
64 68.1 55.7 83.5  
63 44.4 38.1 57.1

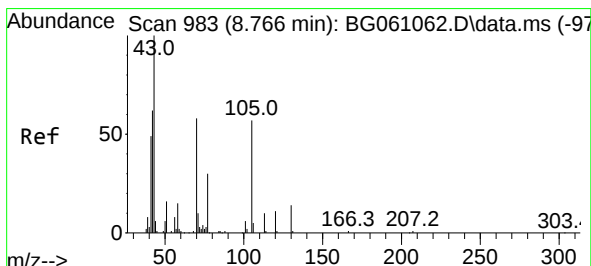
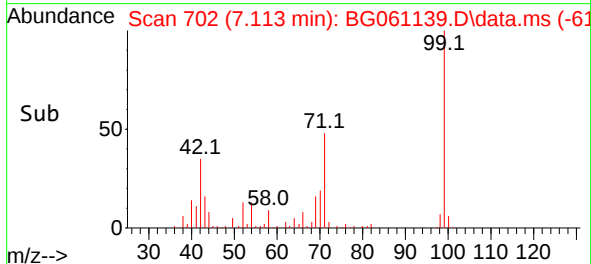
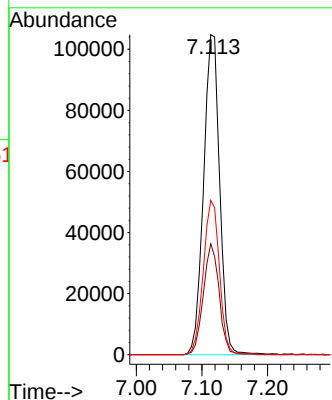
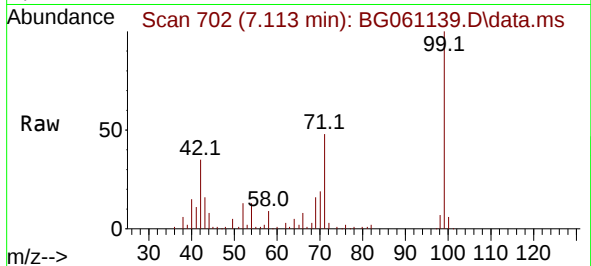




#7  
Phenol-d6  
Concen: 146.572 ng  
RT: 7.113 min Scan# 705  
Delta R.T. -0.020 min  
Lab File: BG061139.D  
Acq: 8 May 2024 12:18

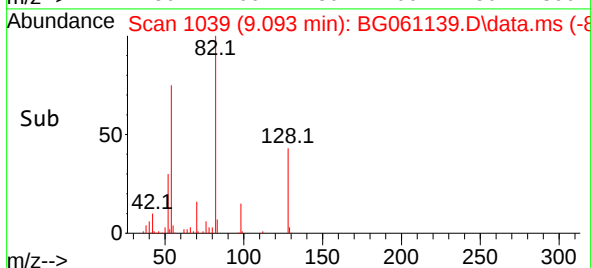
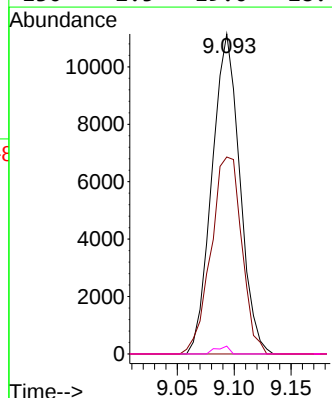
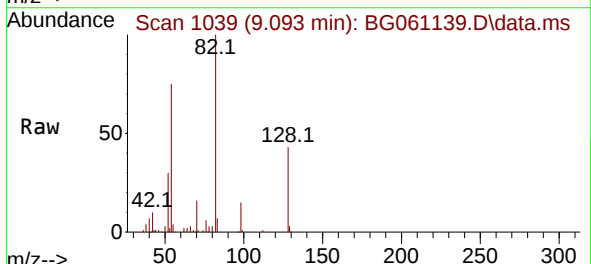
Instrument :  
BNA\_G  
ClientSampleId :  
PB160756BL

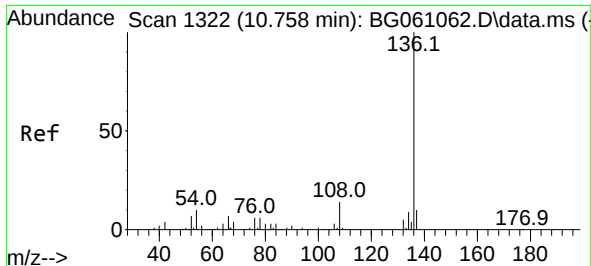
Tgt Ion: 99 Resp: 179124  
Ion Ratio Lower Upper  
99 100  
42 34.6 29.2 43.8  
71 48.2 39.7 59.5



#19  
n-Nitroso-di-n-propylamine  
Concen: 20.721 ng  
RT: 9.093 min Scan# 1039  
Delta R.T. 0.327 min  
Lab File: BG061139.D  
Acq: 8 May 2024 12:18

Tgt Ion: 70 Resp: 18951  
Ion Ratio Lower Upper  
70 100  
42 61.5 86.4 129.6#  
101 0.0 7.8 11.8#  
130 2.5 19.0 28.4#

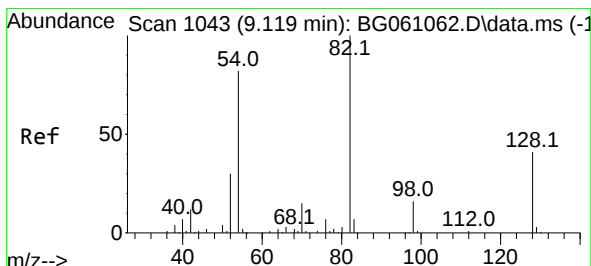
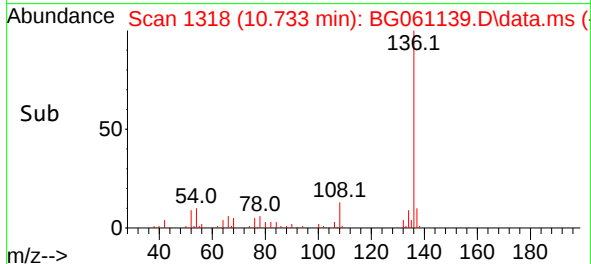
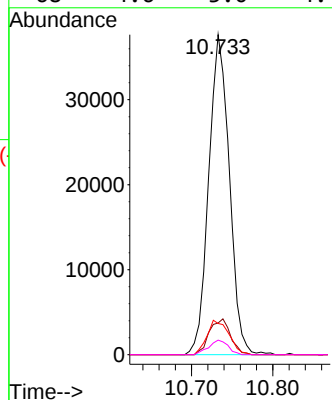
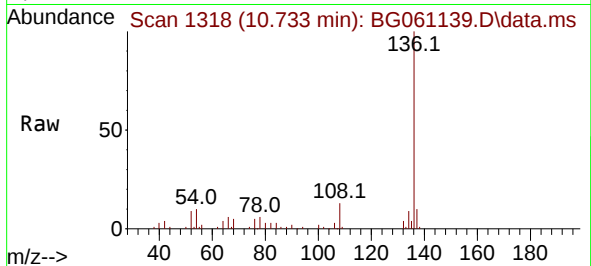




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.733 min Scan# 11  
Delta R.T. -0.025 min  
Lab File: BG061139.D  
Acq: 8 May 2024 12:18

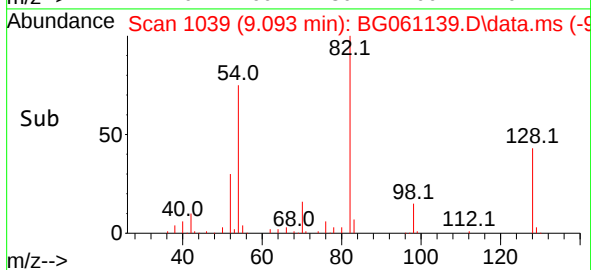
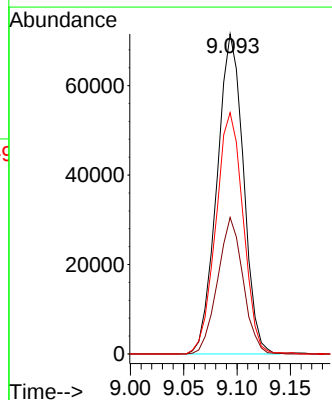
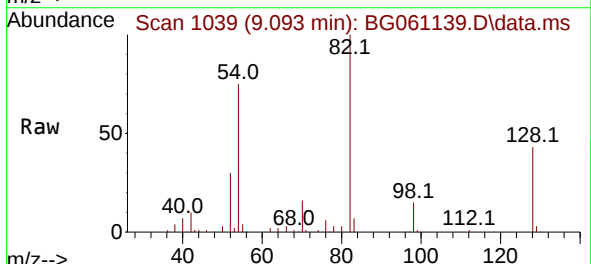
Instrument :  
BNA\_G  
ClientSampleId :  
PB160756BL

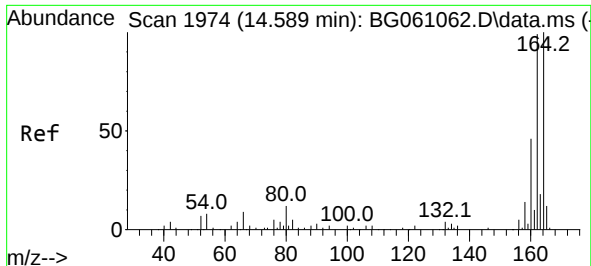
Tgt Ion:136 Resp: 66409  
Ion Ratio Lower Upper  
136 100  
137 9.9 7.8 11.6  
54 9.8 8.1 12.1  
68 4.6 3.0 4.4#



#23  
Nitrobenzene-d5  
Concen: 92.214 ng  
RT: 9.093 min Scan# 1039  
Delta R.T. -0.025 min  
Lab File: BG061139.D  
Acq: 8 May 2024 12:18

Tgt Ion: 82 Resp: 123534  
Ion Ratio Lower Upper  
82 100  
128 42.7 32.7 49.1  
54 75.4 65.6 98.4

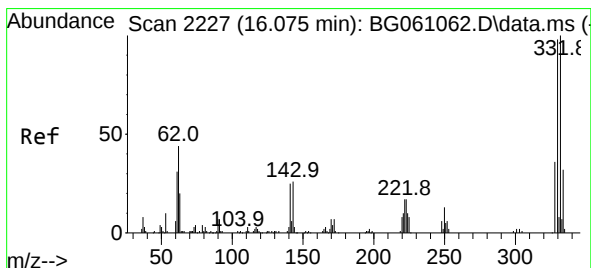
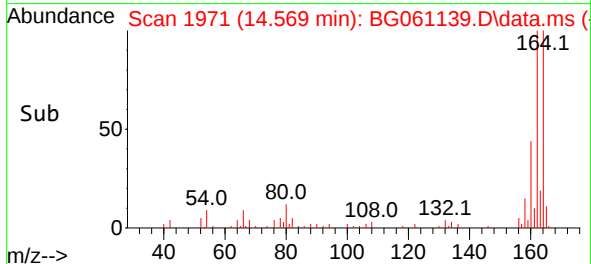
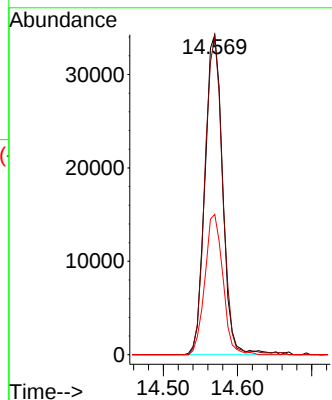
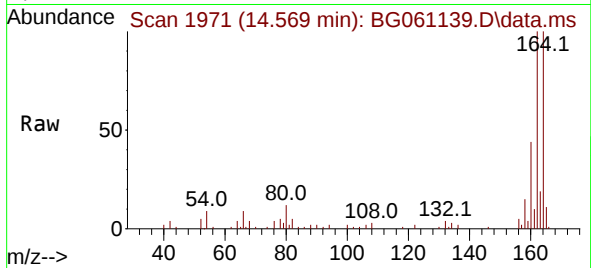




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.569 min Scan# 1974  
Delta R.T. -0.020 min  
Lab File: BG061139.D  
Acq: 8 May 2024 12:18

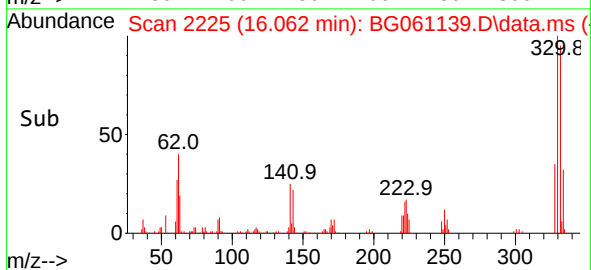
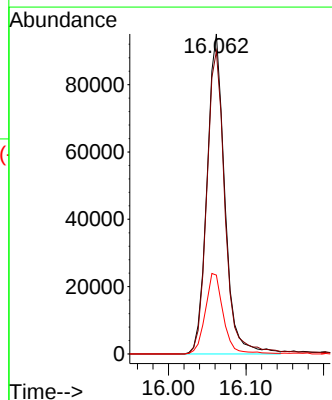
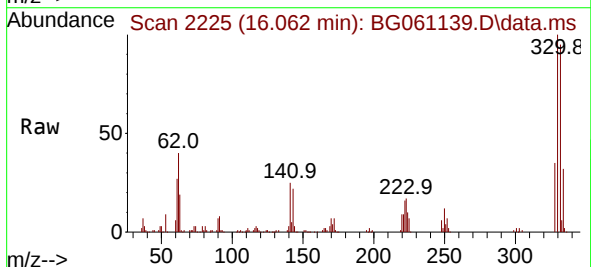
Instrument :  
BNA\_G  
ClientSampleId :  
PB160756BL

Tgt Ion:164 Resp: 56901  
Ion Ratio Lower Upper  
164 100  
162 99.6 79.4 119.2  
160 43.8 37.0 55.6



#42  
2,4,6-Tribromophenol  
Concen: 133.093 ng  
RT: 16.062 min Scan# 2225  
Delta R.T. -0.014 min  
Lab File: BG061139.D  
Acq: 8 May 2024 12:18

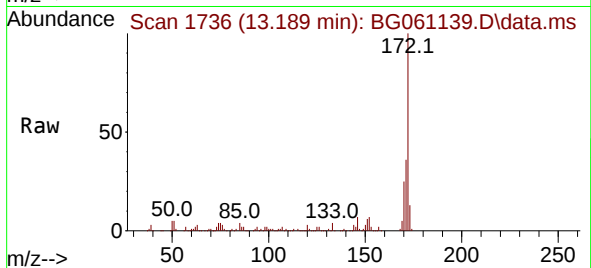
Tgt Ion:330 Resp: 151373  
Ion Ratio Lower Upper  
330 100  
332 98.0 78.6 117.8  
141 25.5 20.5 30.7



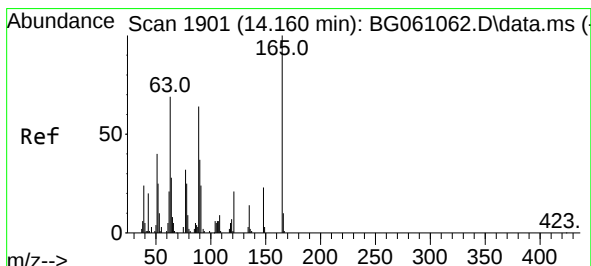
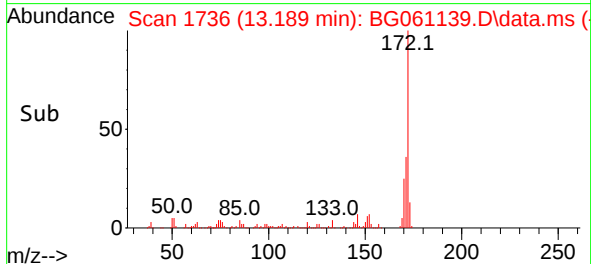
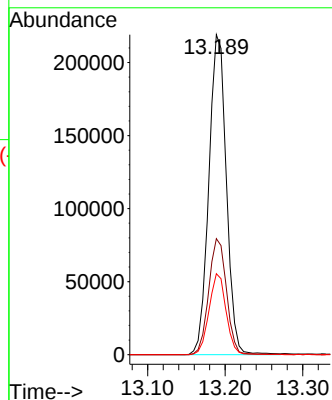


#45  
2-Fluorobiphenyl  
Concen: 89.270 ng  
RT: 13.189 min Scan# 1  
Delta R.T. -0.020 min  
Lab File: BG061139.D  
Acq: 8 May 2024 12:18

Instrument :  
BNA\_G  
ClientSampleId :  
PB160756BL

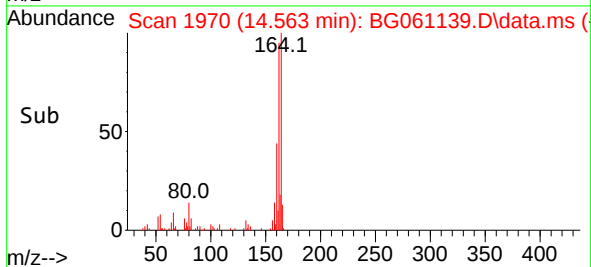
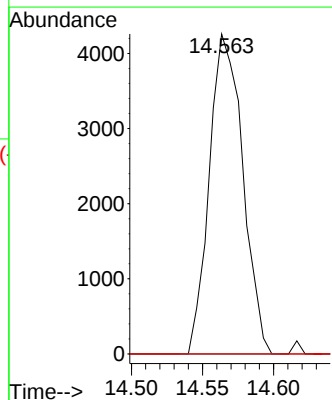
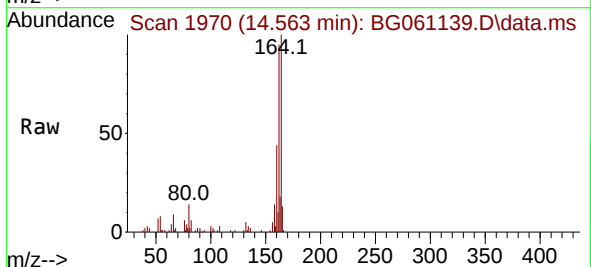


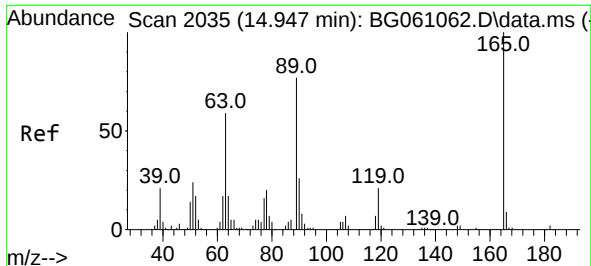
Tgt Ion:172 Resp: 343510  
Ion Ratio Lower Upper  
172 100  
171 36.2 29.0 43.6  
170 25.3 20.2 30.4



#51  
2,6-Dinitrotoluene  
Concen: 7.403 ng  
RT: 14.563 min Scan# 1970  
Delta R.T. 0.403 min  
Lab File: BG061139.D  
Acq: 8 May 2024 12:18

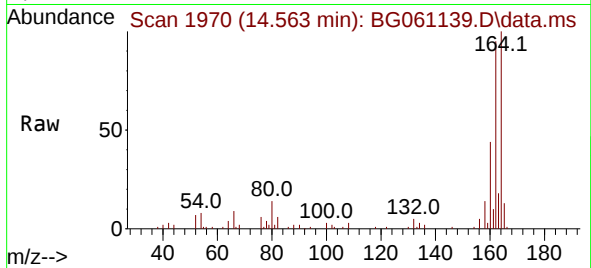
Tgt Ion:165 Resp: 6959  
Ion Ratio Lower Upper  
165 100  
63 0.0 60.0 90.0#  
89 0.0 50.9 76.3#



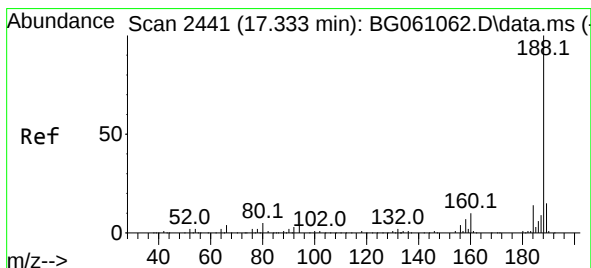
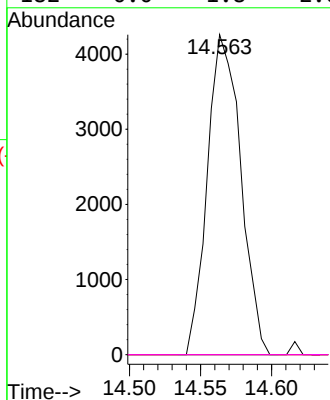
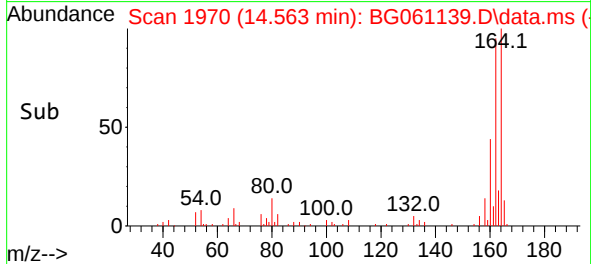


#57  
2,4-Dinitrotoluene  
Concen: 5.004 ng  
RT: 14.563 min Scan# 14  
Delta R.T. -0.384 min  
Lab File: BG061139.D  
Acq: 8 May 2024 12:18

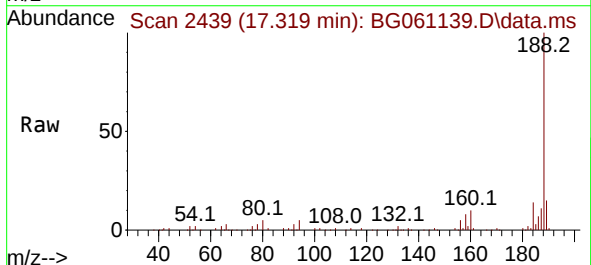
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ClientSampleId :  
PB160756BL



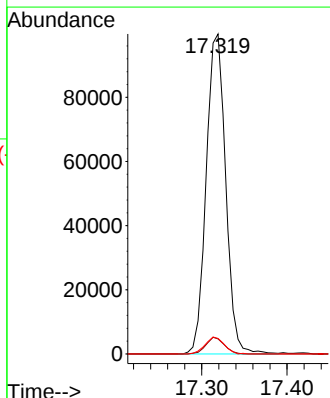
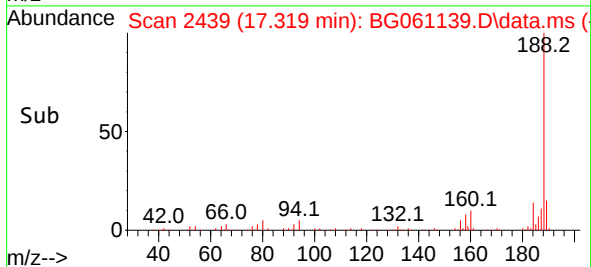
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:165 | Resp: | 6959        |
| Ion         | Ratio | Lower Upper |
| 165         | 100   |             |
| 63          | 0.0   | 47.3 70.9#  |
| 89          | 0.0   | 61.8 92.8#  |
| 182         | 0.0   | 1.8 2.6#    |

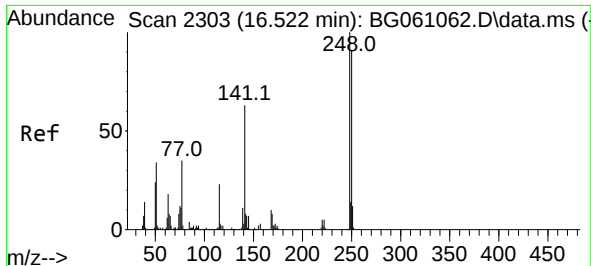


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.319 min Scan# 2439  
Delta R.T. -0.014 min  
Lab File: BG061139.D  
Acq: 8 May 2024 12:18



|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:188 | Resp: | 158410      |
| Ion         | Ratio | Lower Upper |
| 188         | 100   |             |
| 94          | 4.7   | 3.6 5.4     |
| 80          | 4.9   | 4.2 6.2     |

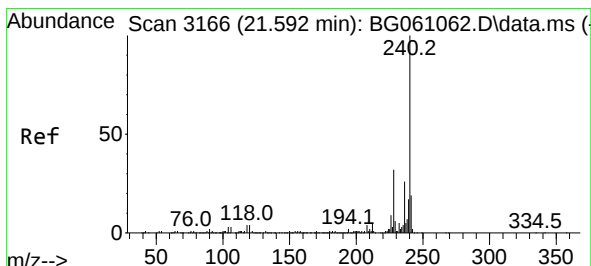
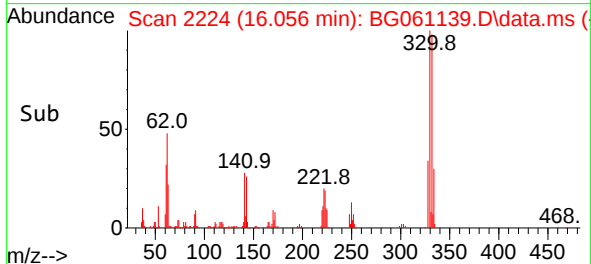
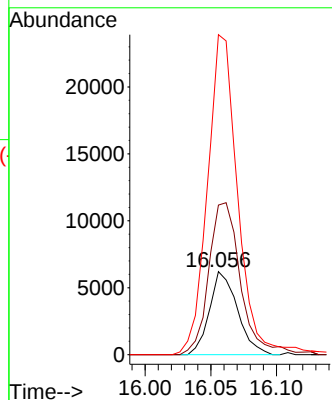
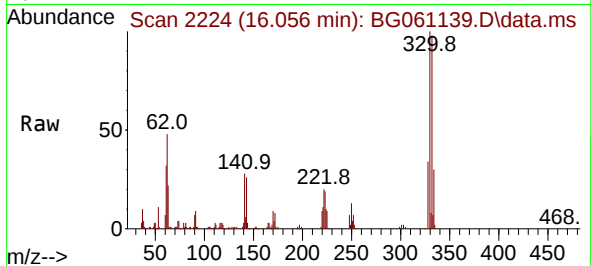




#67  
4-Bromophenyl-phenylether  
Concen: 4.932 ng  
RT: 16.056 min Scan# 21  
Delta R.T. -0.466 min  
Lab File: BG061139.D  
Acq: 8 May 2024 12:18

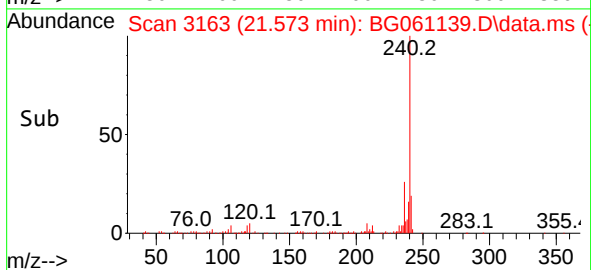
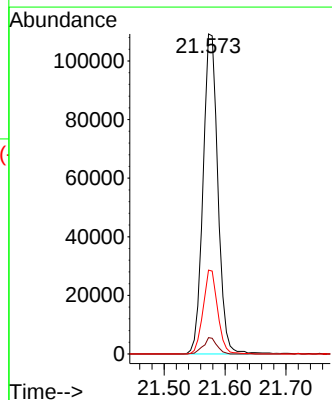
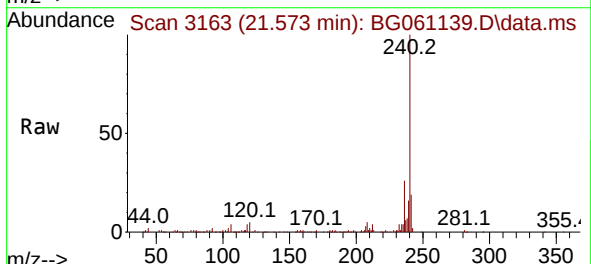
Instrument :  
BNA\_G  
ClientSampleId :  
PB160756BL

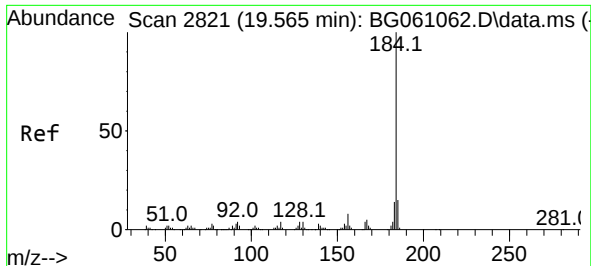
Tgt Ion:248 Resp: 9203  
Ion Ratio Lower Upper  
248 100  
250 179.9 73.0 109.4#  
141 385.1 50.8 76.2#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.573 min Scan# 3163  
Delta R.T. -0.020 min  
Lab File: BG061139.D  
Acq: 8 May 2024 12:18

Tgt Ion:240 Resp: 185079  
Ion Ratio Lower Upper  
240 100  
120 5.1 3.2 4.8#  
236 26.2 21.0 31.6

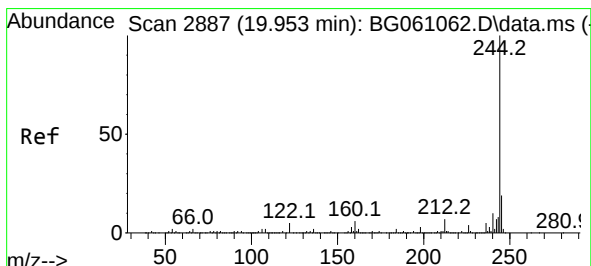
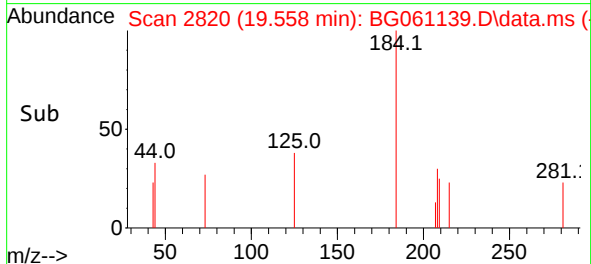
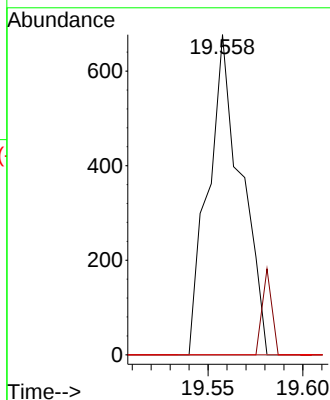
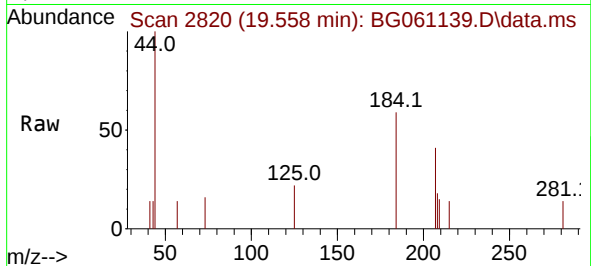




#77  
Benzidine  
Concen: 3.014 ng  
RT: 19.558 min Scan# 21  
Delta R.T. -0.007 min  
Lab File: BG061139.D  
Acq: 8 May 2024 12:18

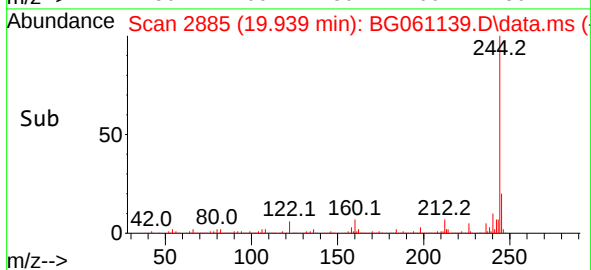
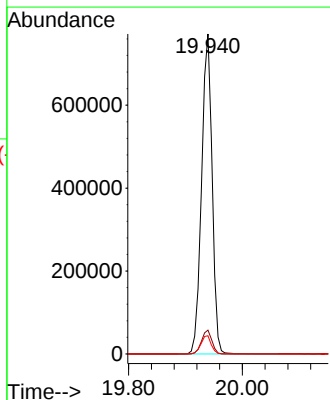
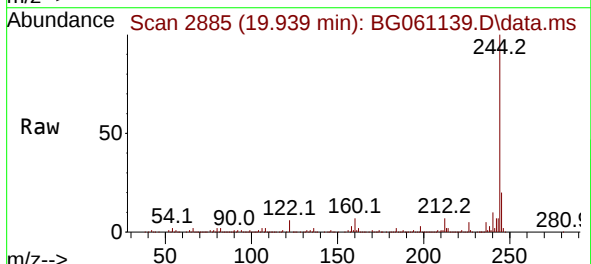
Instrument :  
BNA\_G  
ClientSampleId :  
PB160756BL

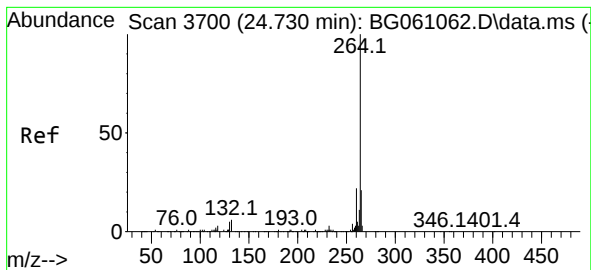
Tgt Ion:184 Resp: 817  
Ion Ratio Lower Upper  
184 100  
185 0.0 12.0 18.0#  
183 0.0 10.9 16.3#



#79  
Terphenyl-d14  
Concen: 89.052 ng  
RT: 19.939 min Scan# 2885  
Delta R.T. -0.014 min  
Lab File: BG061139.D  
Acq: 8 May 2024 12:18

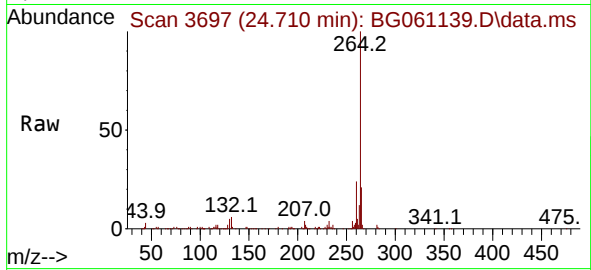
Tgt Ion:244 Resp: 990997  
Ion Ratio Lower Upper  
244 100  
212 7.5 5.7 8.5  
122 5.7 4.2 6.2





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 24.710 min Scan# 30  
Delta R.T. -0.020 min  
Lab File: BG061139.D  
Acq: 8 May 2024 12:18

Instrument :  
BNA\_G  
ClientSampleId :  
PB160756BL



Tgt Ion:264 Resp: 211854

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.1  | 17.7  | 26.5  |
| 265 | 20.9  | 16.4  | 24.6  |

