

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG112123\  
 Data File : BG059801.D  
 Acq On : 21 Nov 2023 21:05  
 Operator : MA/JU  
 Sample : 05376-02  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 204

Quant Time: Nov 22 00:34:04 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG111623.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 17 01:51:38 2023  
 Response via : Initial Calibration

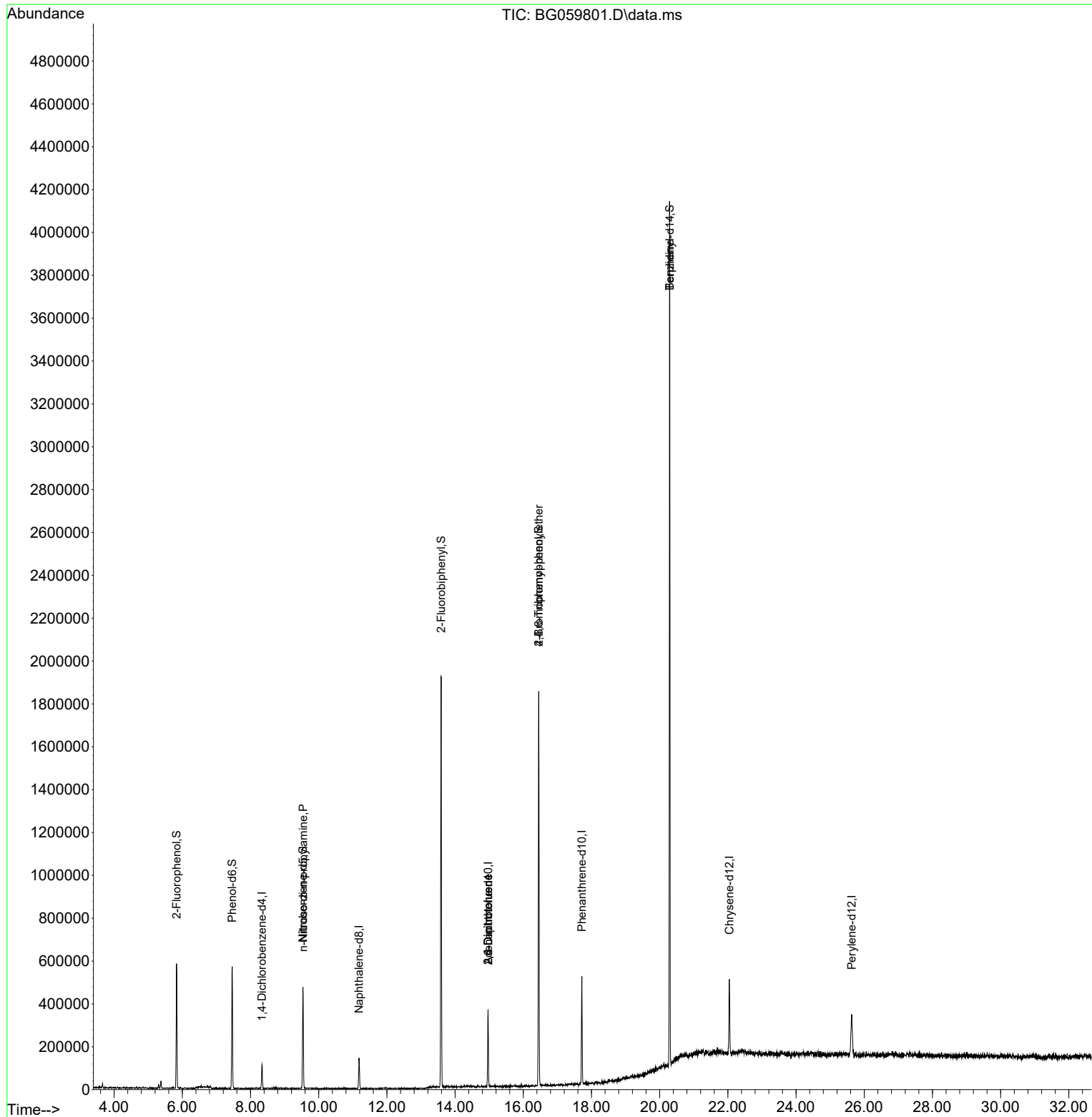
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.334  | 152  | 24225    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 11.184 | 136  | 96836    | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.968 | 164  | 111351   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.717 | 188  | 274644   | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12              | 22.042 | 240  | 189623   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 25.631 | 264  | 209937   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.831  | 112  | 194469   | 135.116 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.465  | 99   | 253631   | 118.916 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.539  | 82   | 280751   | 110.728 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.454 | 330  | 253291   | 200.481 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.593 | 172  | 857394   | 103.644 | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.297 | 244  | 1611707  | 125.474 | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
| 19) n-Nitroso-di-n-propyla... | 9.544  | 70   | 44441    | 26.459  | ng    | # 76     |
| 51) 2,6-Dinitrotoluene        | 14.968 | 165  | 14466    | 8.837   | ng    | # 5      |
| 57) 2,4-Dinitrotoluene        | 14.968 | 165  | 14466    | 5.746   | ng    | # 9      |
| 67) 4-Bromophenyl-phenylether | 16.454 | 248  | 18046    | 6.116   | ng    | # 1      |
| 77) Benzidine                 | 20.297 | 184  | 50677    | 11.786  | ng    | # 88     |
| -----                         |        |      |          |         |       |          |

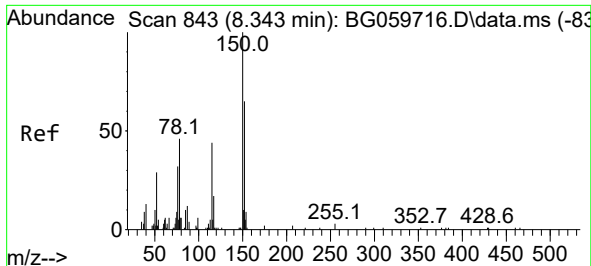
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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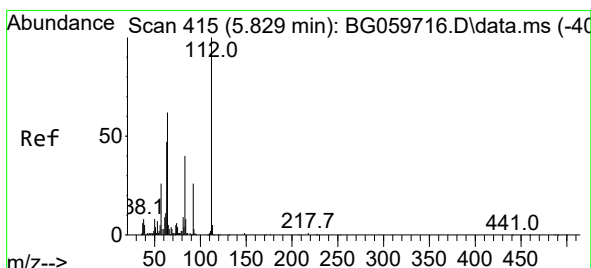
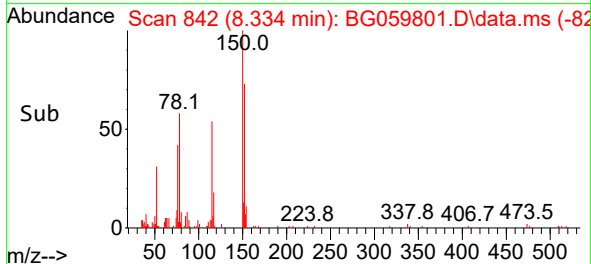
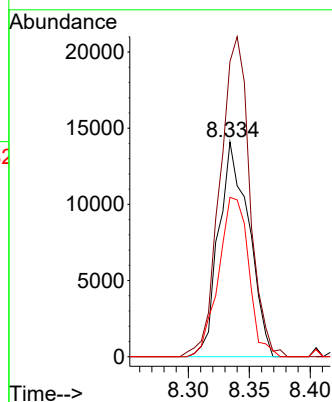
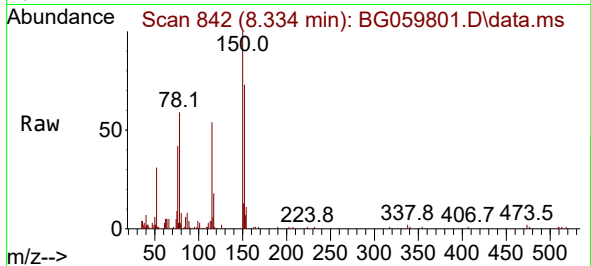




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.334 min Scan# 843  
Delta R.T. -0.009 min  
Lab File: BG059801.D  
Acq: 21 Nov 2023 21:05

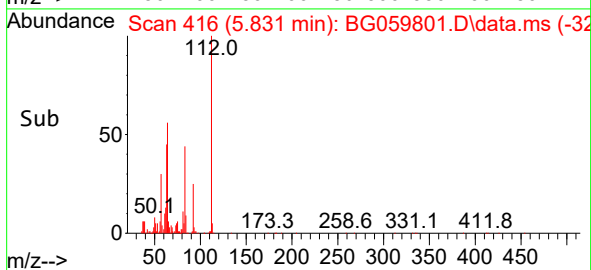
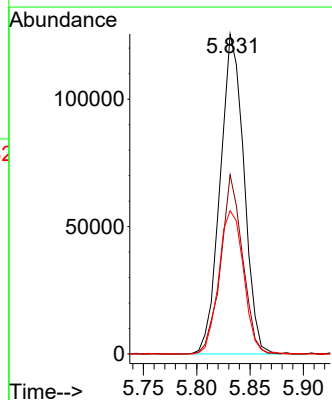
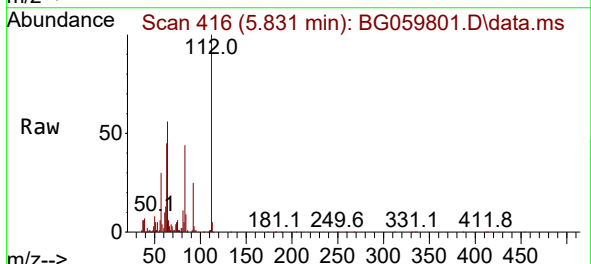
Instrument :  
BNA\_G  
ClientSampleId :  
204

Tgt Ion:152 Resp: 24225  
Ion Ratio Lower Upper  
152 100  
150 137.4 122.2 183.4  
115 74.2 54.2 81.4



#5  
2-Fluorophenol  
Concen: 135.116 ng  
RT: 5.831 min Scan# 416  
Delta R.T. 0.003 min  
Lab File: BG059801.D  
Acq: 21 Nov 2023 21:05

Tgt Ion:112 Resp: 194469  
Ion Ratio Lower Upper  
112 100  
64 56.0 49.5 74.3  
63 44.8 37.4 56.2

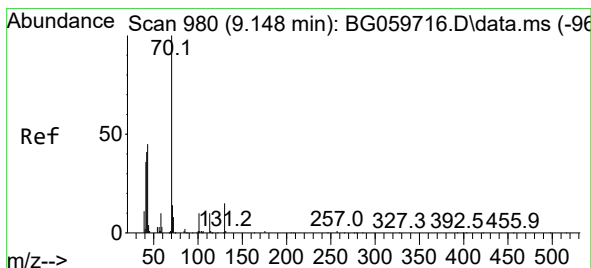
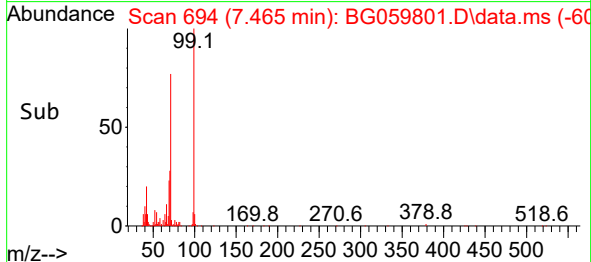
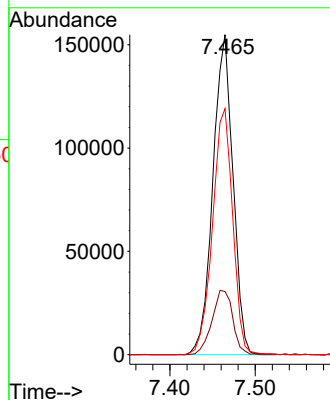
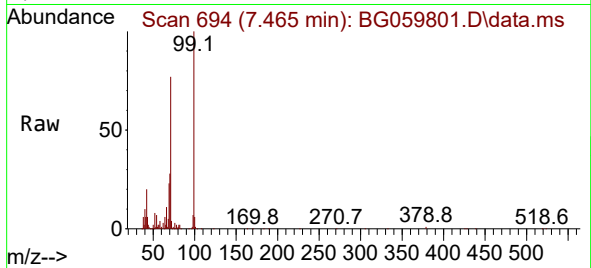




#7  
Phenol-d6  
Concen: 118.916 ng  
RT: 7.465 min Scan# 692  
Delta R.T. 0.008 min  
Lab File: BG059801.D  
Acq: 21 Nov 2023 21:05

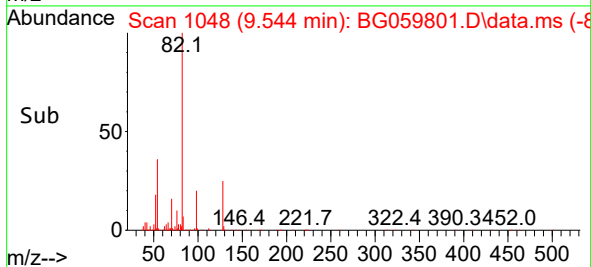
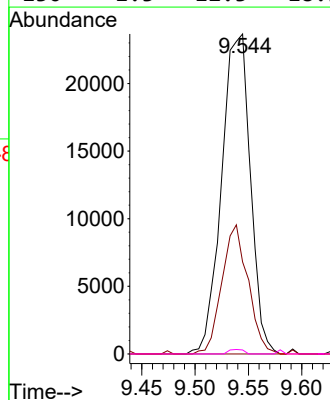
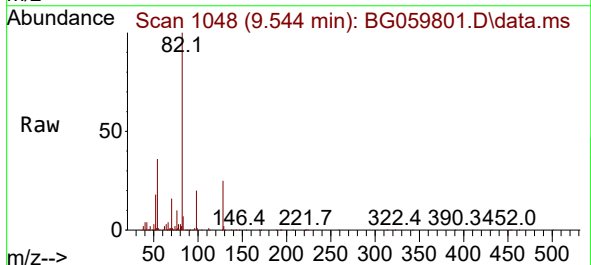
Instrument :  
BNA\_G  
ClientSampleId :  
204

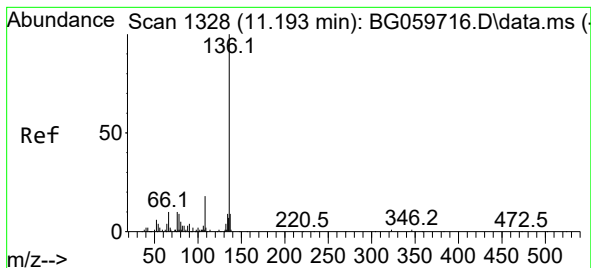
Tgt Ion: 99 Resp: 253631  
Ion Ratio Lower Upper  
99 100  
42 19.8 14.3 21.5  
71 76.9 59.3 88.9



#19  
n-Nitroso-di-n-propylamine  
Concen: 26.459 ng  
RT: 9.544 min Scan# 1048  
Delta R.T. 0.396 min  
Lab File: BG059801.D  
Acq: 21 Nov 2023 21:05

Tgt Ion: 70 Resp: 44441  
Ion Ratio Lower Upper  
70 100  
42 28.8 32.8 49.2#  
101 0.0 7.7 11.5#  
130 1.3 12.3 18.5#

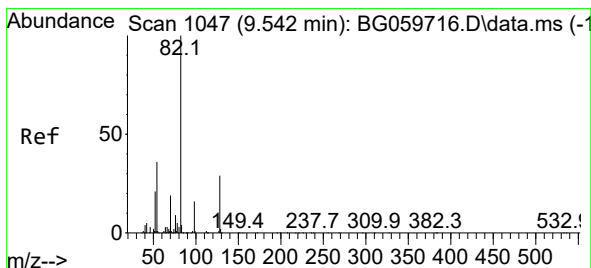
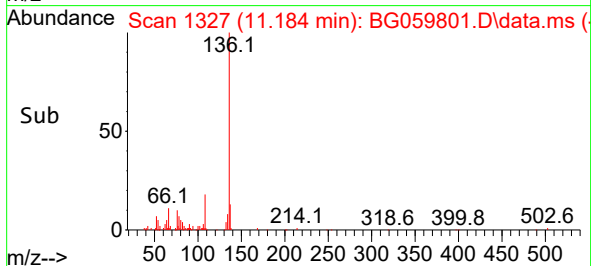
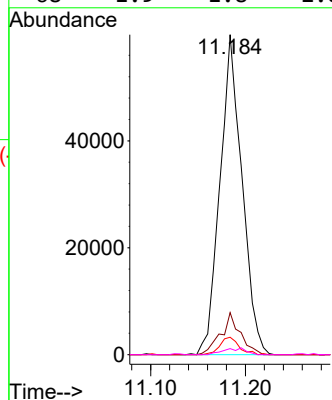
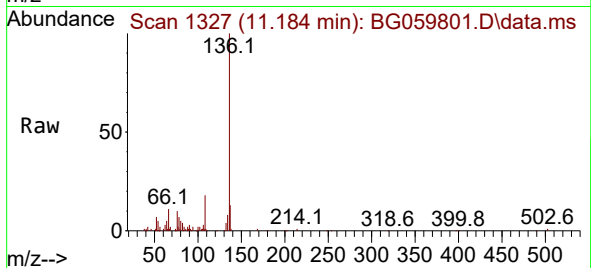




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.184 min Scan# 111  
Delta R.T. -0.009 min  
Lab File: BG059801.D  
Acq: 21 Nov 2023 21:05

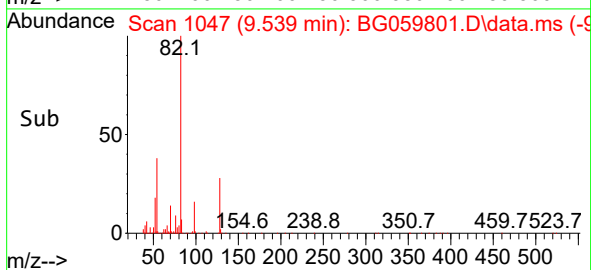
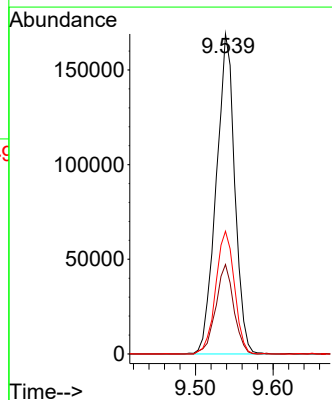
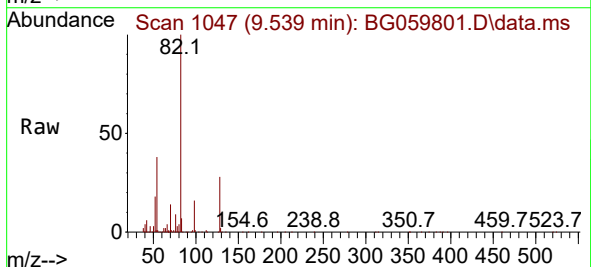
Instrument :  
BNA\_G  
ClientSampleId :  
204

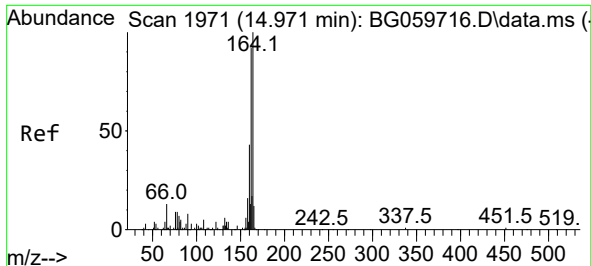
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 136   | Resp: | 96836 |
| Ion Ratio | Lower | Upper |       |
| 136       | 100   |       |       |
| 137       | 13.1  | 7.4   | 11.0# |
| 54        | 5.4   | 3.1   | 4.7#  |
| 68        | 1.9   | 1.8   | 2.8   |



#23  
Nitrobenzene-d5  
Concen: 110.728 ng  
RT: 9.539 min Scan# 1047  
Delta R.T. -0.003 min  
Lab File: BG059801.D  
Acq: 21 Nov 2023 21:05

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 82    | Resp: | 280751 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 27.9  | 23.0  | 34.6   |
| 54        | 38.4  | 28.7  | 43.1   |

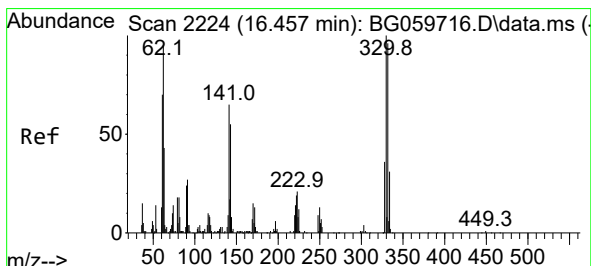
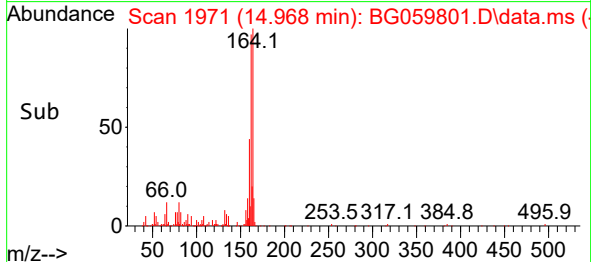
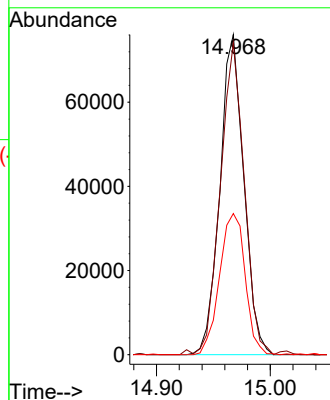
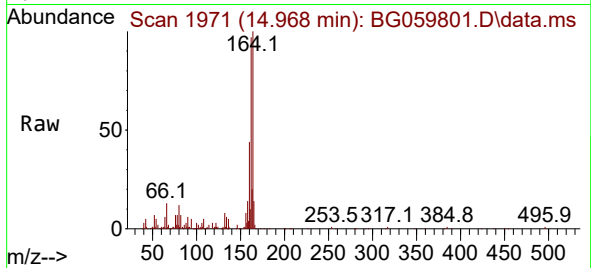




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.968 min Scan# 1971  
Delta R.T. -0.003 min  
Lab File: BG059801.D  
Acq: 21 Nov 2023 21:05

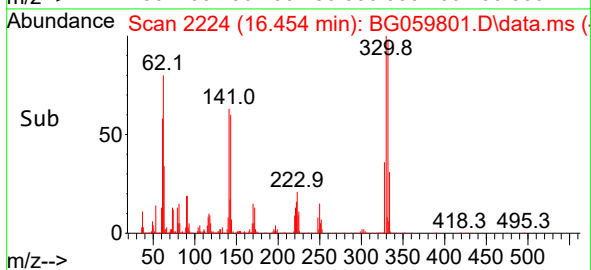
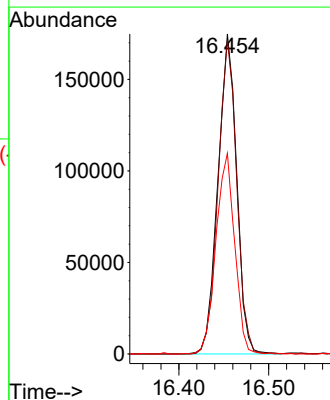
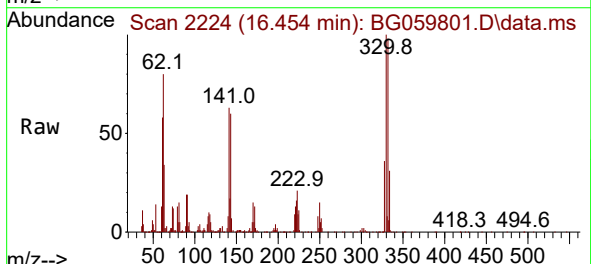
Instrument :  
BNA\_G  
ClientSampleId :  
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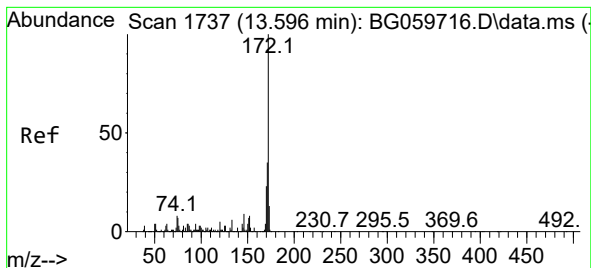
Tgt Ion:164 Resp: 111351  
Ion Ratio Lower Upper  
164 100  
162 97.4 73.3 109.9  
160 44.1 34.1 51.1



#42  
2,4,6-Tribromophenol  
Concen: 200.481 ng  
RT: 16.454 min Scan# 2224  
Delta R.T. -0.003 min  
Lab File: BG059801.D  
Acq: 21 Nov 2023 21:05

Tgt Ion:330 Resp: 253291  
Ion Ratio Lower Upper  
330 100  
332 97.5 73.3 109.9  
141 62.9 52.1 78.1

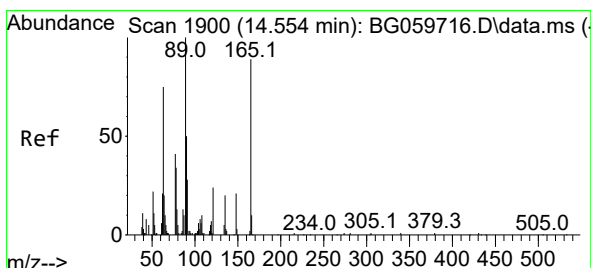
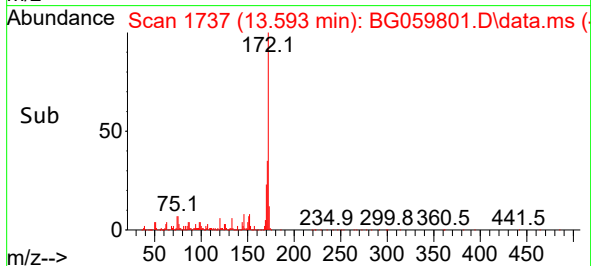
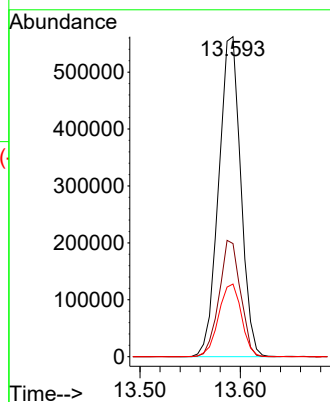
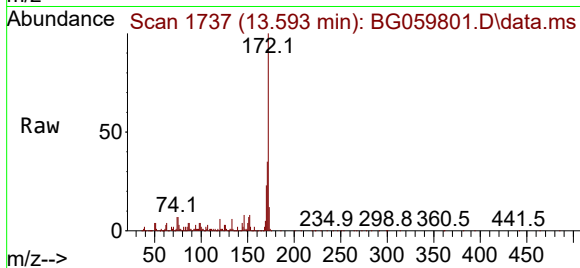




#45  
2-Fluorobiphenyl  
Concen: 103.644 ng  
RT: 13.593 min Scan# 1  
Delta R.T. -0.003 min  
Lab File: BG059801.D  
Acq: 21 Nov 2023 21:05

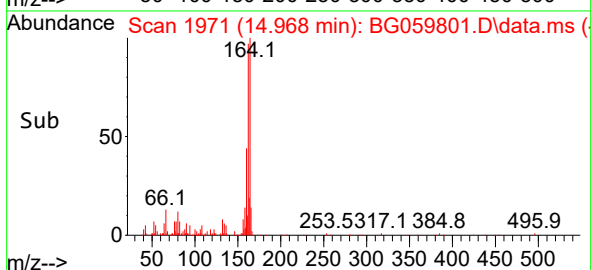
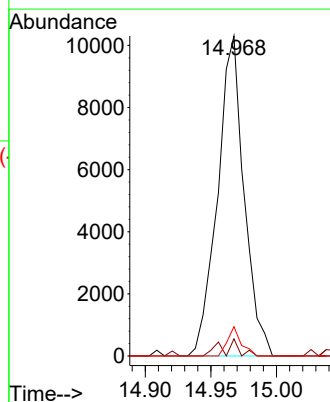
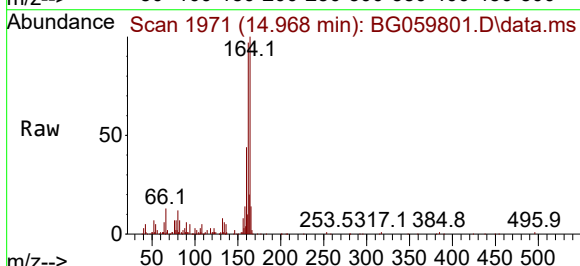
Instrument :  
BNA\_G  
ClientSampleId :  
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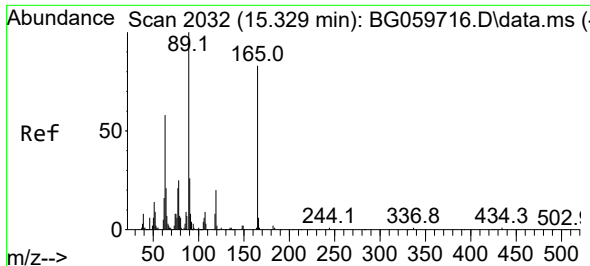
Tgt Ion:172 Resp: 857394  
Ion Ratio Lower Upper  
172 100  
171 35.4 27.7 41.5  
170 22.7 18.4 27.6



#51  
2,6-Dinitrotoluene  
Concen: 8.837 ng  
RT: 14.968 min Scan# 1971  
Delta R.T. 0.414 min  
Lab File: BG059801.D  
Acq: 21 Nov 2023 21:05

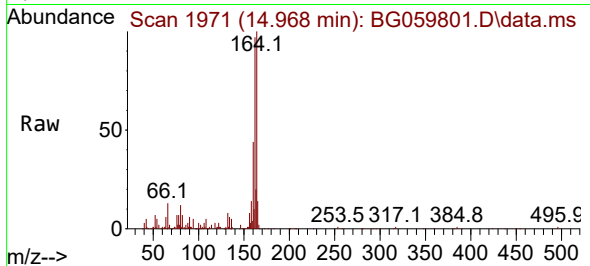
Tgt Ion:165 Resp: 14466  
Ion Ratio Lower Upper  
165 100  
63 5.3 75.3 112.9#  
89 9.1 90.9 136.3#



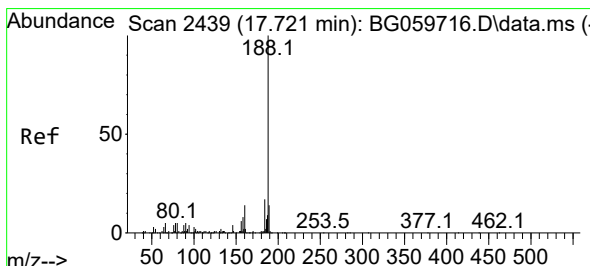
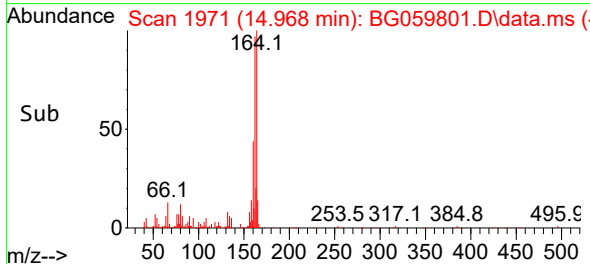
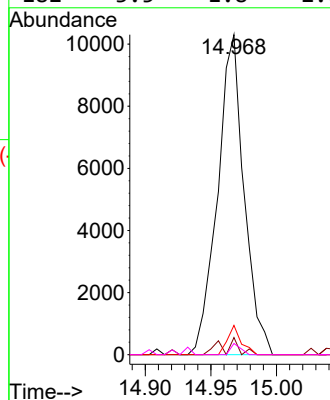


#57  
2,4-Dinitrotoluene  
Concen: 5.746 ng  
RT: 14.968 min Scan# 1971  
Delta R.T. -0.362 min  
Lab File: BG059801.D  
Acq: 21 Nov 2023 21:05

Instrument :  
BNA\_G  
ClientSampleId :  
204

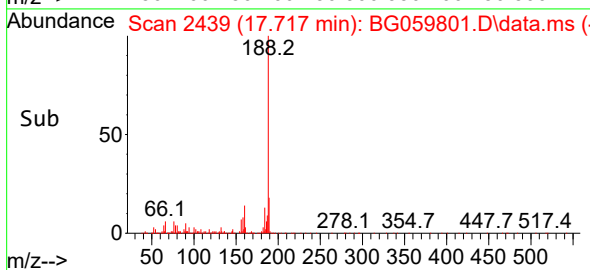
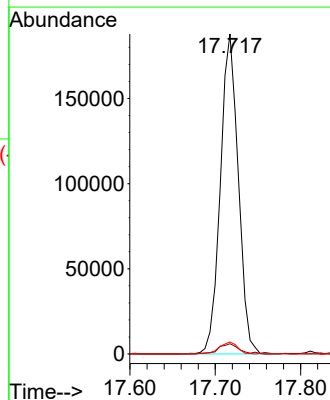
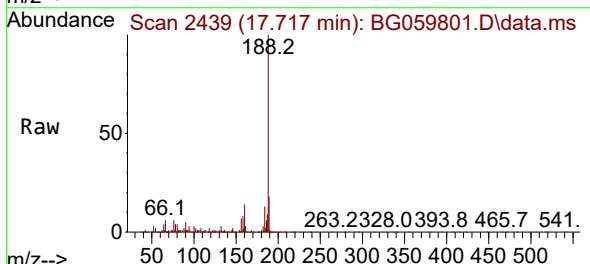


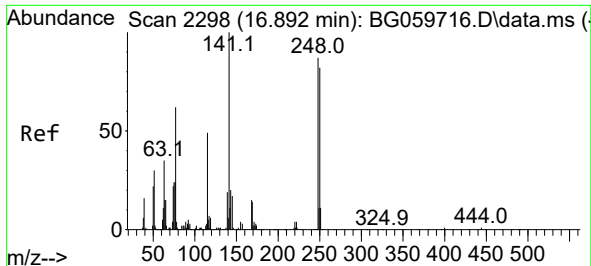
Tgt Ion:165 Resp: 14466  
Ion Ratio Lower Upper  
165 100  
63 5.3 55.8 83.8#  
89 9.1 96.9 145.3#  
182 3.5 1.8 2.6#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.717 min Scan# 2439  
Delta R.T. -0.003 min  
Lab File: BG059801.D  
Acq: 21 Nov 2023 21:05

Tgt Ion:188 Resp: 274644  
Ion Ratio Lower Upper  
188 100  
94 3.2 3.0 4.4  
80 3.8 4.2 6.4#

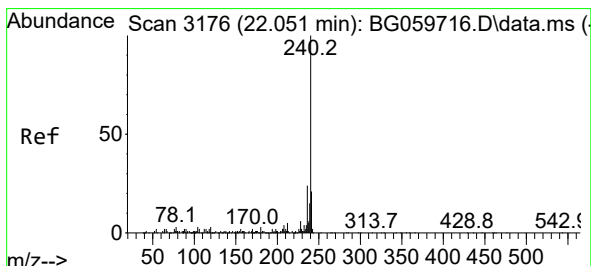
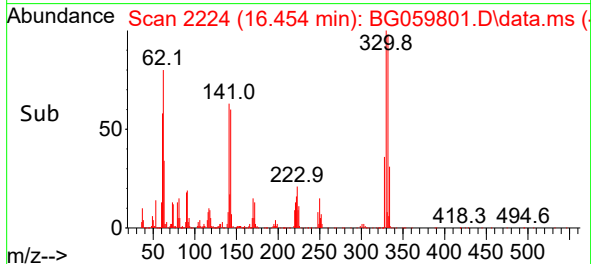
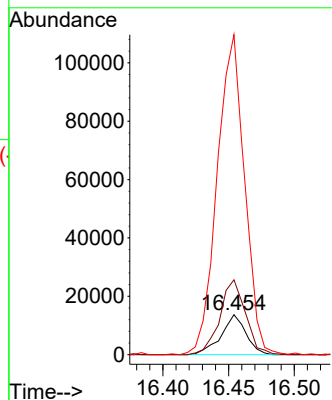
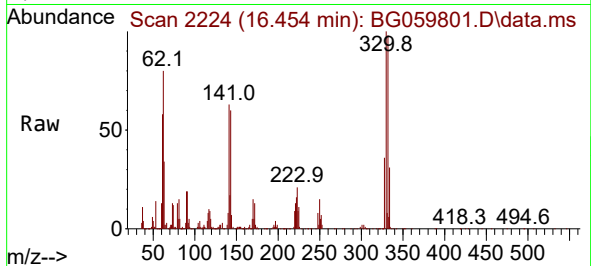




#67  
4-Bromophenyl-phenylether  
Concen: 6.116 ng  
RT: 16.454 min Scan# 21  
Delta R.T. -0.438 min  
Lab File: BG059801.D  
Acq: 21 Nov 2023 21:05

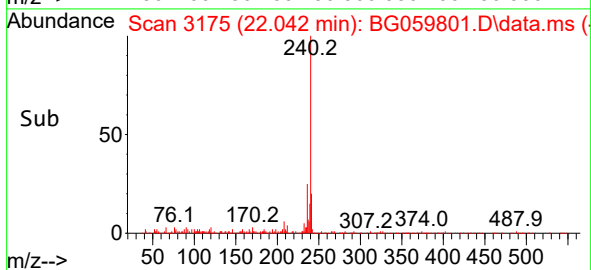
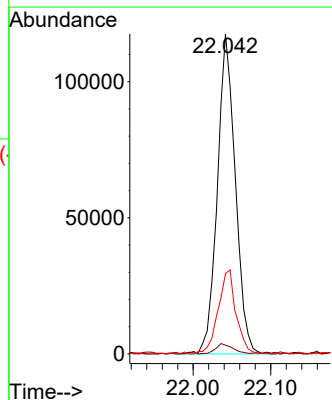
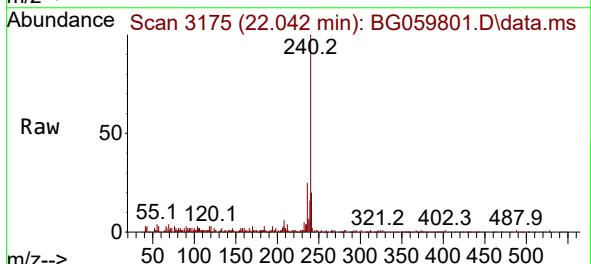
Instrument :  
BNA\_G  
ClientSampleId :  
204

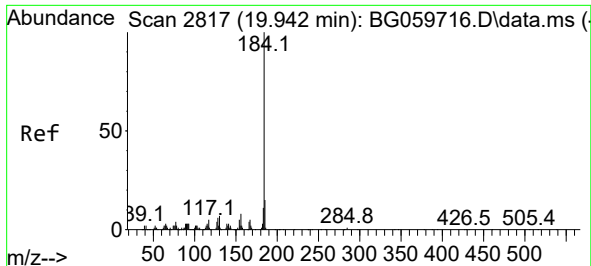
Tgt Ion:248 Resp: 18046  
Ion Ratio Lower Upper  
248 100  
250 187.0 75.2 112.8#  
141 799.1 91.5 137.3#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 22.042 min Scan# 3175  
Delta R.T. -0.009 min  
Lab File: BG059801.D  
Acq: 21 Nov 2023 21:05

Tgt Ion:240 Resp: 189623  
Ion Ratio Lower Upper  
240 100  
120 2.8 2.2 3.2  
236 25.1 19.4 29.2

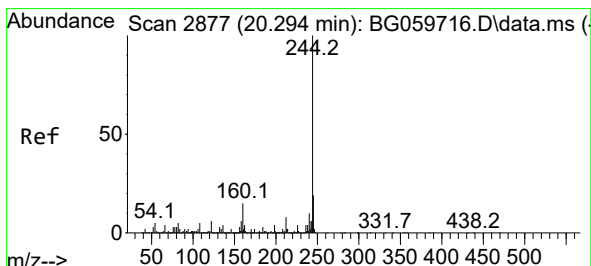
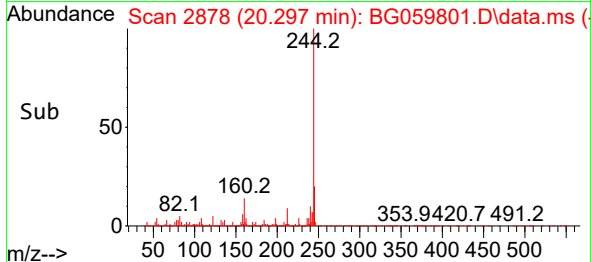
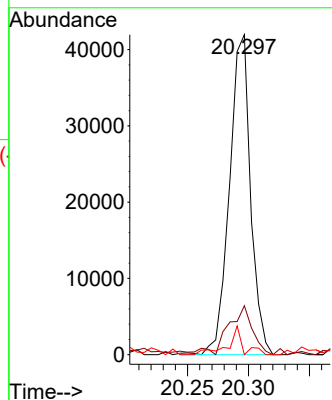
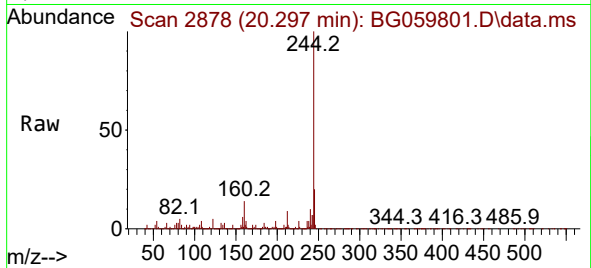




#77  
Benzidine  
Concen: 11.786 ng  
RT: 20.297 min Scan# 21  
Delta R.T. 0.355 min  
Lab File: BG059801.D  
Acq: 21 Nov 2023 21:05

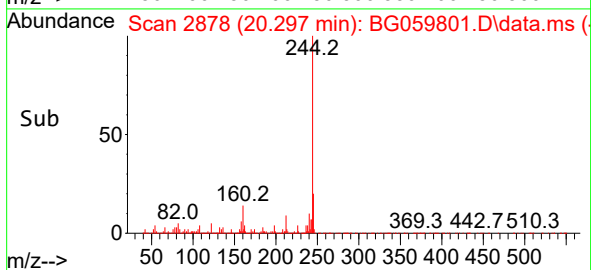
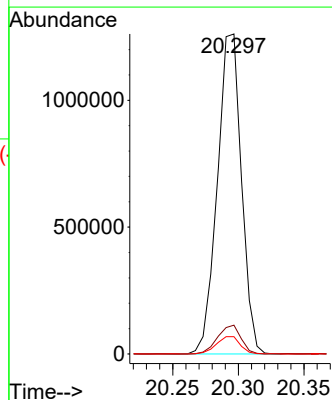
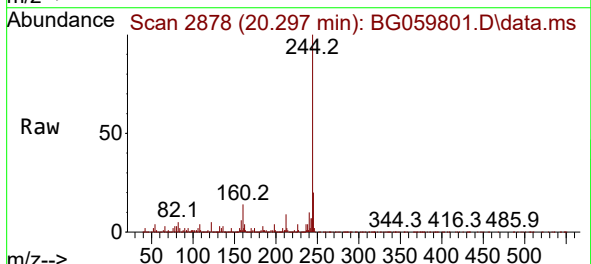
Instrument :  
BNA\_G  
ClientSampleId :  
204

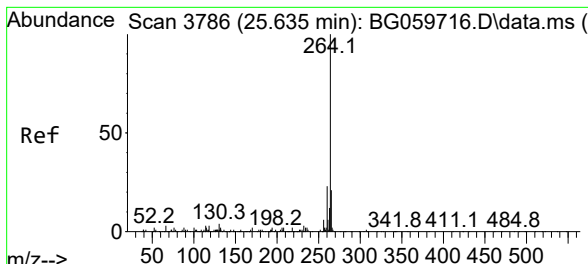
Tgt Ion:184 Resp: 50677  
Ion Ratio Lower Upper  
184 100  
185 15.3 12.2 18.2  
183 0.0 8.8 13.2#



#79  
Terphenyl-d14  
Concen: 125.474 ng  
RT: 20.297 min Scan# 2878  
Delta R.T. 0.003 min  
Lab File: BG059801.D  
Acq: 21 Nov 2023 21:05

Tgt Ion:244 Resp: 1611707  
Ion Ratio Lower Upper  
244 100  
212 9.0 6.6 10.0  
122 5.4 4.4 6.6





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 25.631 min Scan# 31  
 Delta R.T. -0.003 min  
 Lab File: BG059801.D  
 Acq: 21 Nov 2023 21:05

Instrument :  
 BNA\_G  
 ClientSampleId :  
 204

Tgt Ion:264 Resp: 209937

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 22.8  | 18.5  | 27.7  |
| 265 | 18.4  | 17.0  | 25.6  |

