

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG120623\  
 Data File : BG059966.D  
 Acq On : 6 Dec 2023 12:32  
 Operator : MA/JU  
 Sample : PB157520TB  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB157520TB

Quant Time: Dec 06 13:17:32 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG120423.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 05 02:26:15 2023  
 Response via : Initial Calibration

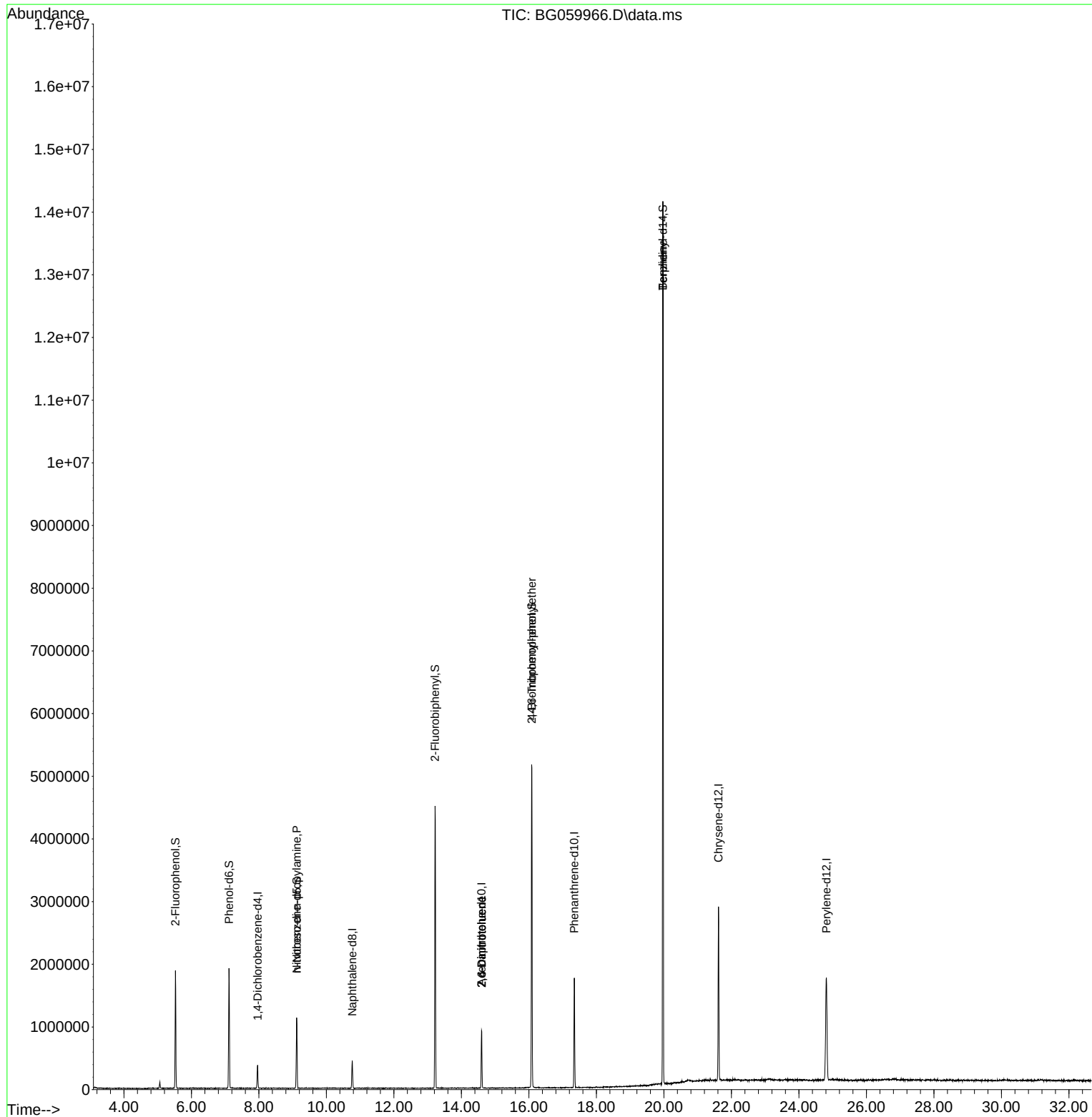
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.961  | 152  | 93056    | 20.000  | ng    | # 0.00   |
| 21) Naphthalene-d8            | 10.763 | 136  | 334522   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.594 | 164  | 337103   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.344 | 188  | 1231004  | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.615 | 240  | 1866327  | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 24.811 | 264  | 2159738  | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.528  | 112  | 690853   | 149.167 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.114  | 99   | 948232   | 129.900 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.118  | 82   | 675161   | 72.147  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.086 | 330  | 1363788  | 125.741 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.219 | 172  | 2420106  | 78.302  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.970 | 244  | 6306310  | 58.250  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 9.118  | 70   | 101699   | 18.590  | ng    | # 75     |
| 51) 2,6-Dinitrotoluene        | 14.600 | 165  | 48301    | 7.682   | ng    | # 19     |
| 57) 2,4-Dinitrotoluene        | 14.600 | 165  | 48301    | 5.524   | ng    | # 23     |
| 67) 4-Bromophenyl-phenylether | 16.080 | 248  | 78278    | 3.712   | ng    | # 1      |
| 77) Benzidine                 | 19.970 | 184  | 158799   | 10.095  | ng    | # 91     |
| -----                         |        |      |          |         |       |          |

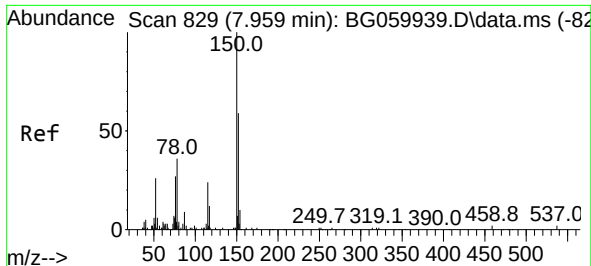
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG120623\  
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Quant Time: Dec 06 13:17:32 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG120423.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Dec 05 02:26:15 2023  
Response via : Initial Calibration

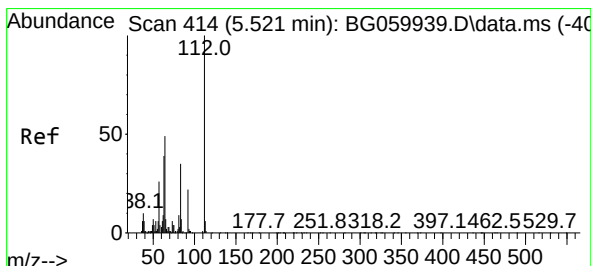
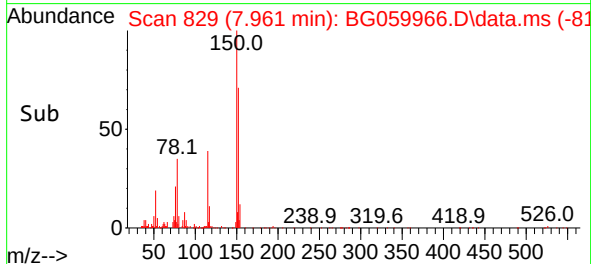
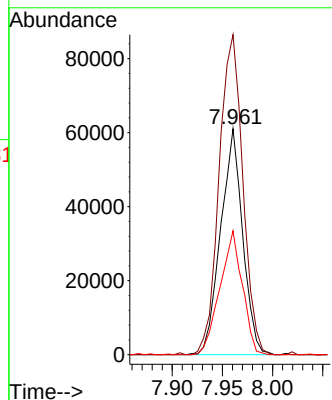
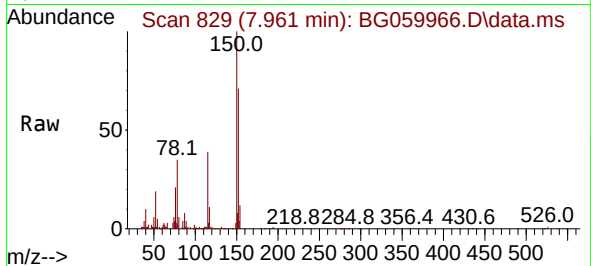




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.961 min Scan# 81  
Delta R.T. 0.002 min  
Lab File: BG059966.D  
Acq: 6 Dec 2023 12:32

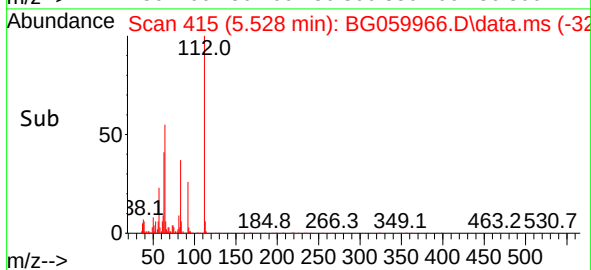
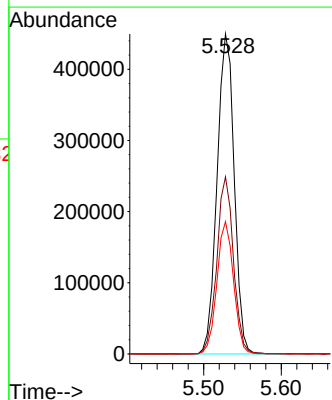
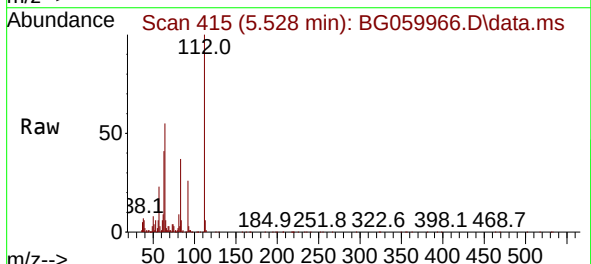
Instrument :  
BNA\_G  
ClientSampleId :  
PB157520TB

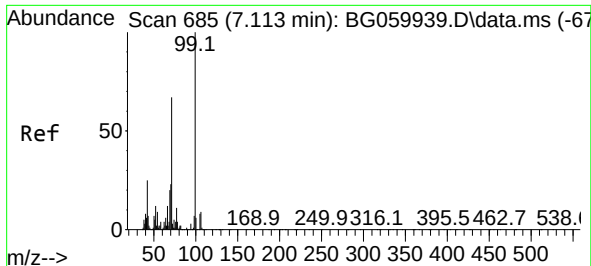
Tgt Ion:152 Resp: 93056  
Ion Ratio Lower Upper  
152 100  
150 141.6 136.9 205.3  
115 54.8 32.9 49.3#



#5  
2-Fluorophenol  
Concen: 149.167 ng  
RT: 5.528 min Scan# 415  
Delta R.T. 0.007 min  
Lab File: BG059966.D  
Acq: 6 Dec 2023 12:32

Tgt Ion:112 Resp: 690853  
Ion Ratio Lower Upper  
112 100  
64 55.3 39.4 59.0  
63 41.3 31.2 46.8

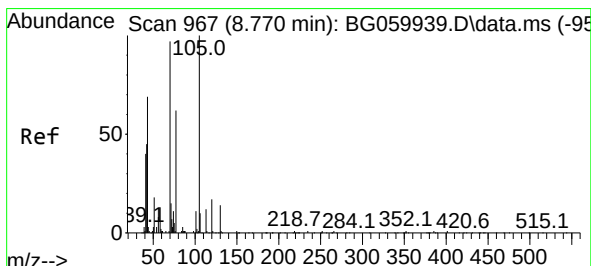
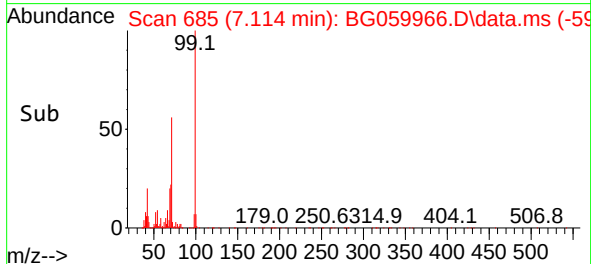
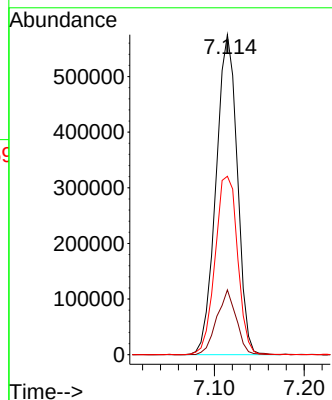
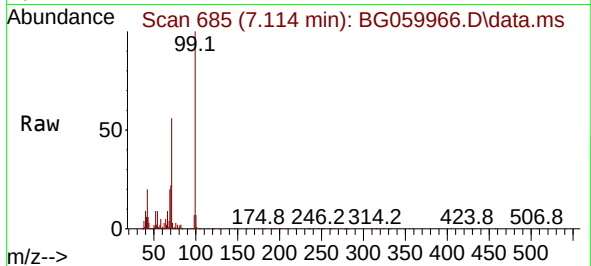




#7  
Phenol-d6  
Concen: 129.900 ng  
RT: 7.114 min Scan# 61  
Delta R.T. 0.001 min  
Lab File: BG059966.D  
Acq: 6 Dec 2023 12:32

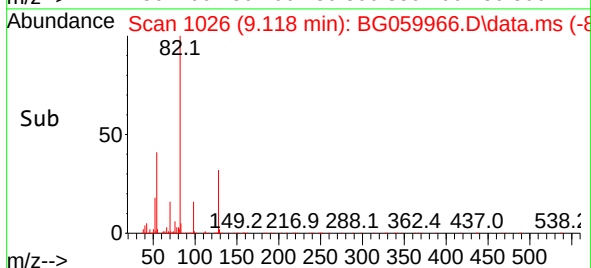
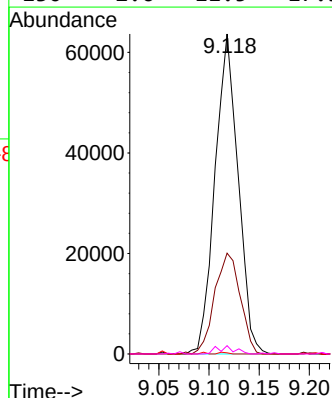
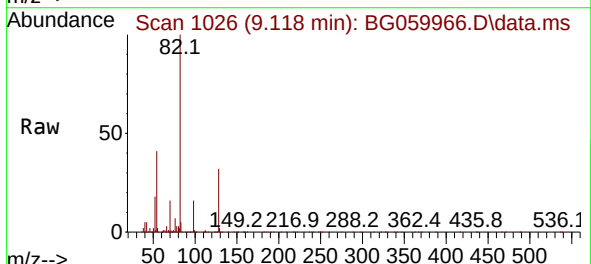
Instrument :  
BNA\_G  
ClientSampleId :  
PB157520TB

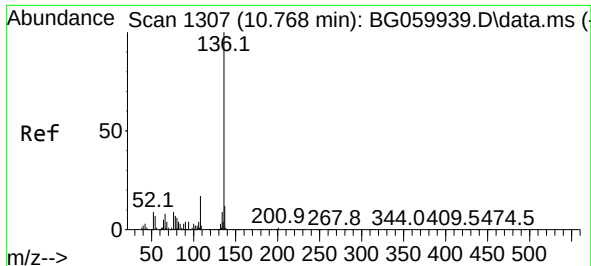
Tgt Ion: 99 Resp: 948232  
Ion Ratio Lower Upper  
99 100  
42 20.3 20.1 30.1  
71 55.8 53.8 80.6



#19  
n-Nitroso-di-n-propylamine  
Concen: 18.590 ng  
RT: 9.118 min Scan# 1026  
Delta R.T. 0.348 min  
Lab File: BG059966.D  
Acq: 6 Dec 2023 12:32

Tgt Ion: 70 Resp: 101699  
Ion Ratio Lower Upper  
70 100  
42 31.5 38.1 57.1#  
101 0.4 8.6 13.0#  
130 2.6 11.5 17.3#

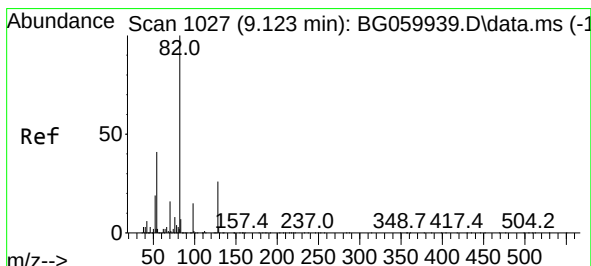
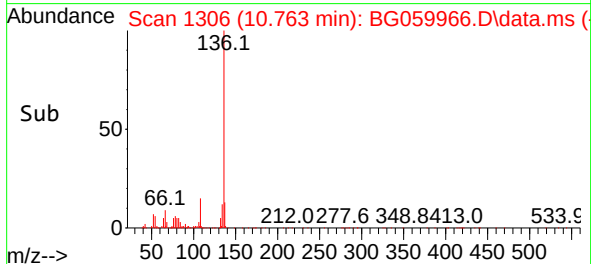
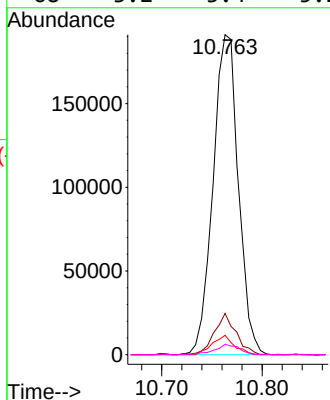
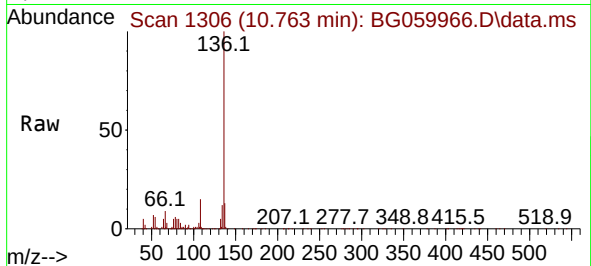




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.763 min Scan# 11  
Delta R.T. -0.005 min  
Lab File: BG059966.D  
Acq: 6 Dec 2023 12:32

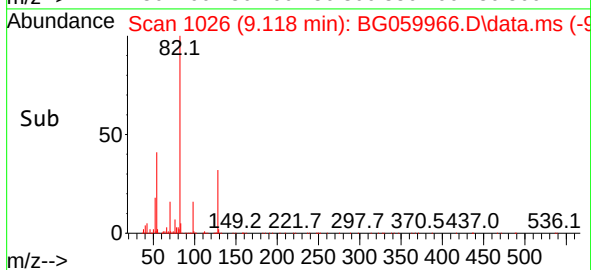
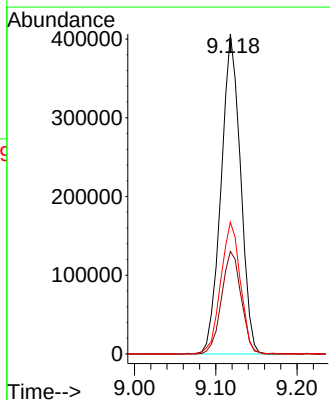
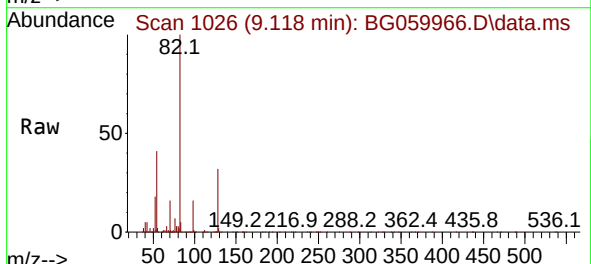
Instrument :  
BNA\_G  
ClientSampleId :  
PB157520TB

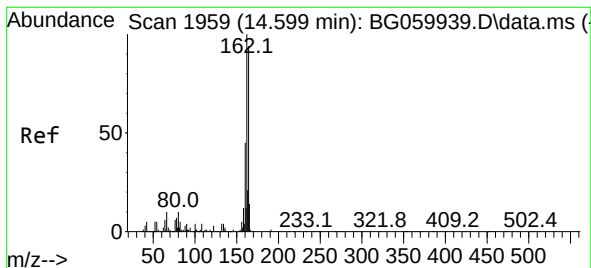
Tgt Ion:136 Resp: 334522  
Ion Ratio Lower Upper  
136 100  
137 12.9 9.8 14.6  
54 6.0 5.8 8.6  
68 3.2 3.4 5.2#



#23  
Nitrobenzene-d5  
Concen: 72.147 ng  
RT: 9.118 min Scan# 1026  
Delta R.T. -0.005 min  
Lab File: BG059966.D  
Acq: 6 Dec 2023 12:32

Tgt Ion: 82 Resp: 675161  
Ion Ratio Lower Upper  
82 100  
128 32.1 21.0 31.6#  
54 41.2 32.6 48.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.594 min Scan# 1959

Delta R.T. -0.005 min

Lab File: BG059966.D

Acq: 6 Dec 2023 12:32

Instrument :

BNA\_G

ClientSampleId :

PB157520TB

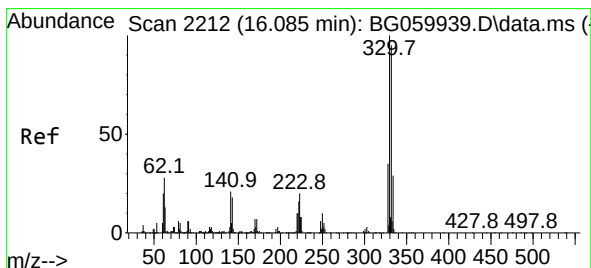
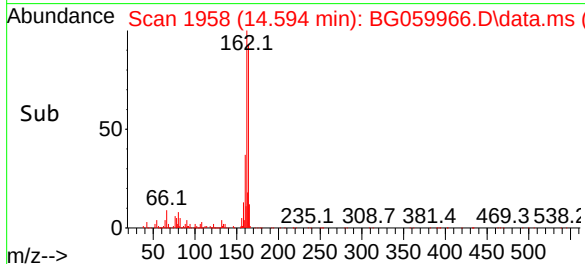
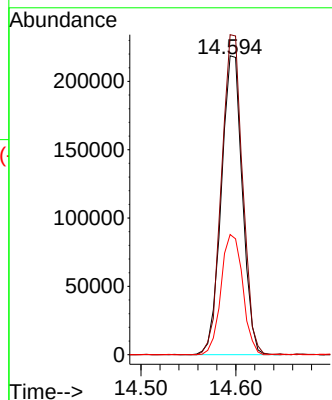
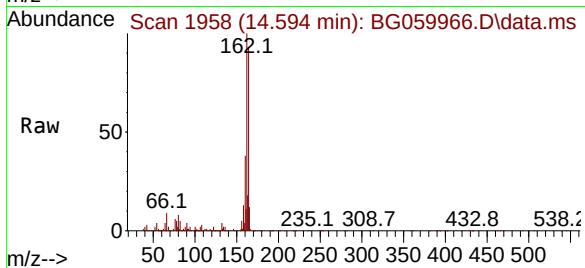
Tgt Ion:164 Resp: 337103

Ion Ratio Lower Upper

164 100

162 107.1 85.0 127.6

160 40.2 38.1 57.1



#42

2,4,6-Tribromophenol

Concen: 125.741 ng

RT: 16.086 min Scan# 2212

Delta R.T. 0.001 min

Lab File: BG059966.D

Acq: 6 Dec 2023 12:32

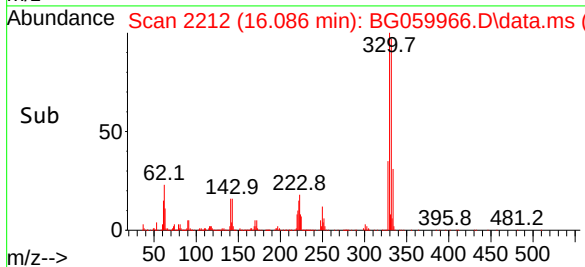
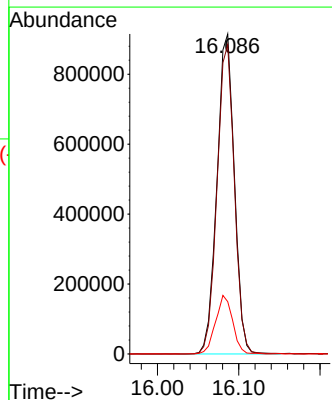
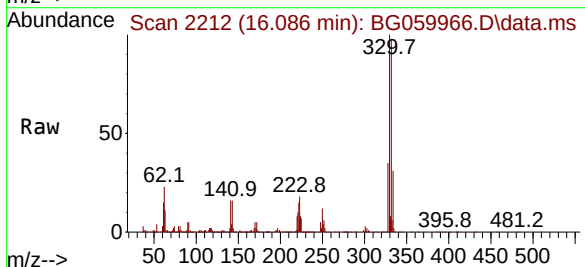
Tgt Ion:330 Resp: 1363788

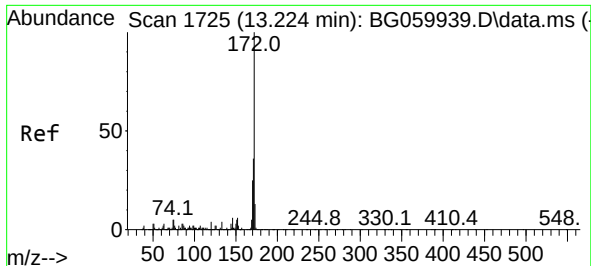
Ion Ratio Lower Upper

330 100

332 96.2 76.5 114.7

141 17.9 15.0 22.6

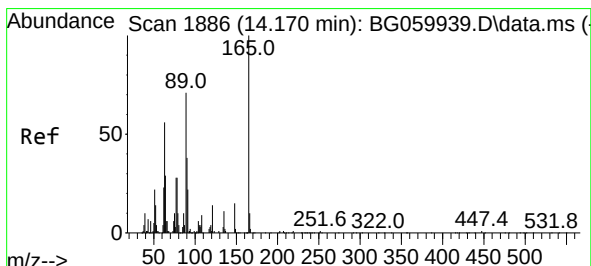
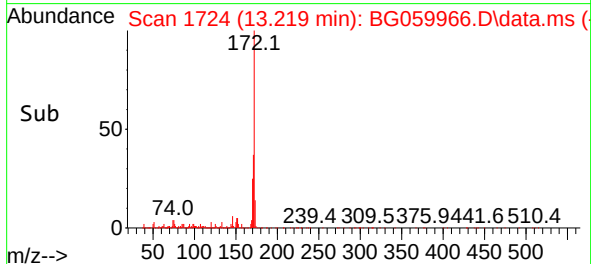
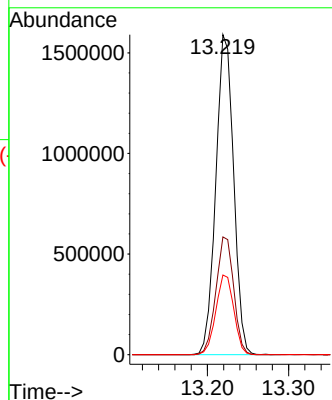
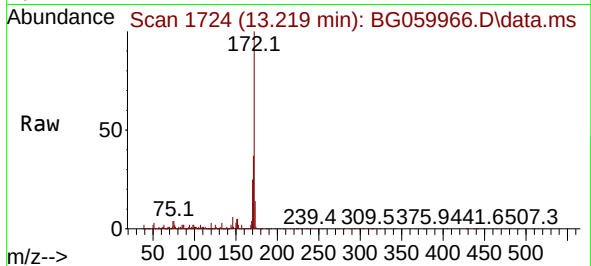




#45  
2-Fluorobiphenyl  
Concen: 78.302 ng  
RT: 13.219 min Scan# 1  
Delta R.T. -0.005 min  
Lab File: BG059966.D  
Acq: 6 Dec 2023 12:32

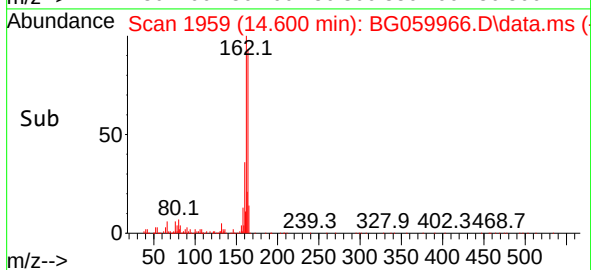
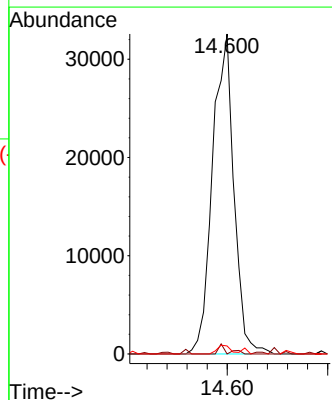
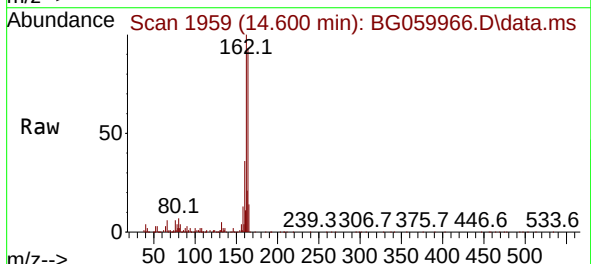
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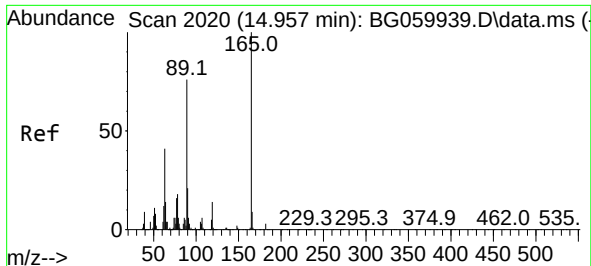
Tgt Ion:172 Resp: 2420106  
Ion Ratio Lower Upper  
172 100  
171 36.8 28.6 43.0  
170 24.9 19.8 29.8



#51  
2,6-Dinitrotoluene  
Concen: 7.682 ng  
RT: 14.600 min Scan# 1959  
Delta R.T. 0.430 min  
Lab File: BG059966.D  
Acq: 6 Dec 2023 12:32

Tgt Ion:165 Resp: 48301  
Ion Ratio Lower Upper  
165 100  
63 0.0 47.2 70.8#  
89 2.5 57.1 85.7#

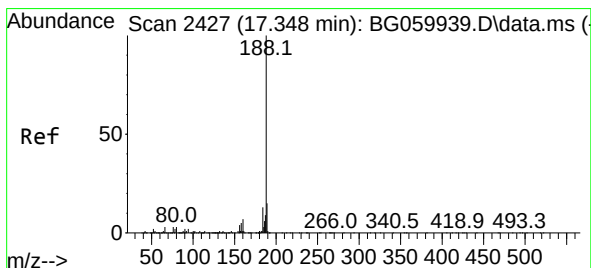
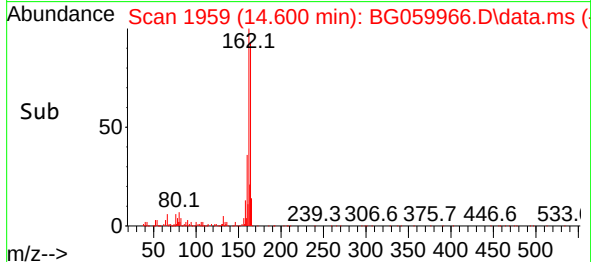
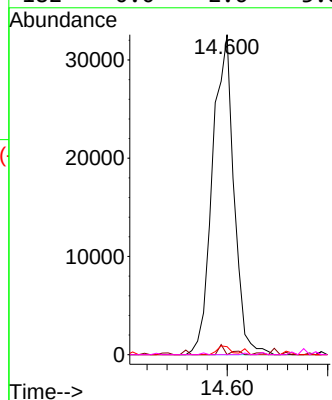
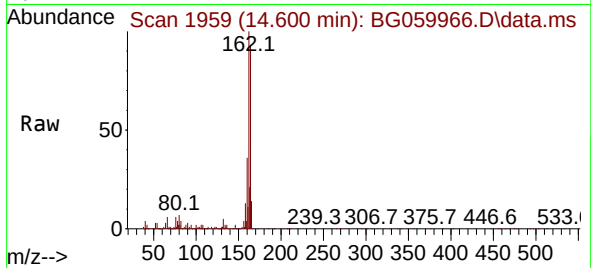




#57  
2,4-Dinitrotoluene  
Concen: 5.524 ng  
RT: 14.600 min Scan# 1959  
Delta R.T. -0.357 min  
Lab File: BG059966.D  
Acq: 6 Dec 2023 12:32

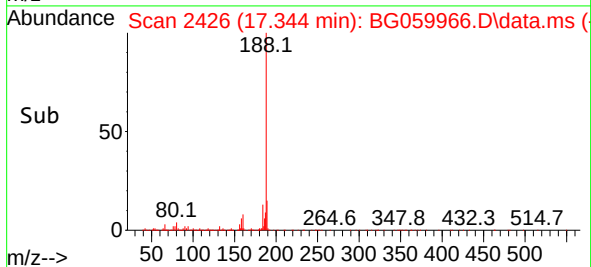
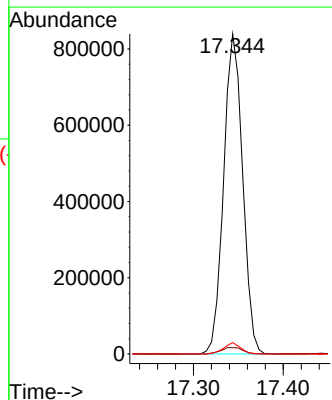
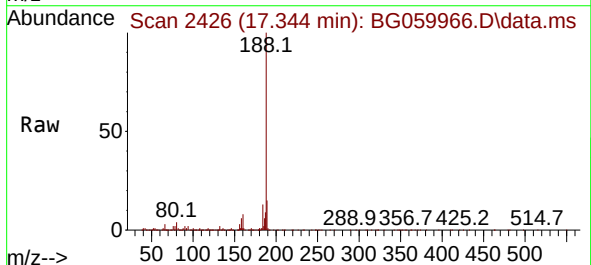
Instrument :  
BNA\_G  
ClientSampleId :  
PB157520TB

Tgt Ion:165 Resp: 48301  
Ion Ratio Lower Upper  
165 100  
63 0.0 32.8 49.2#  
89 2.5 60.6 90.8#  
182 0.0 2.6 3.8#

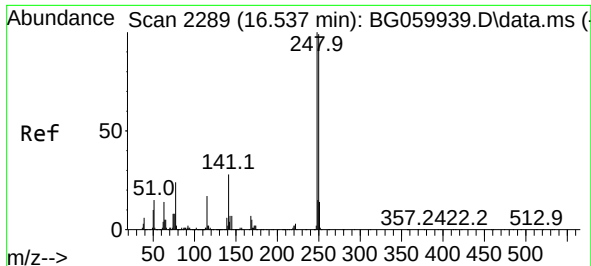


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.344 min Scan# 2426  
Delta R.T. -0.005 min  
Lab File: BG059966.D  
Acq: 6 Dec 2023 12:32

Tgt Ion:188 Resp: 1231004  
Ion Ratio Lower Upper  
188 100  
94 2.0 1.8 2.6  
80 3.6 2.2 3.4#



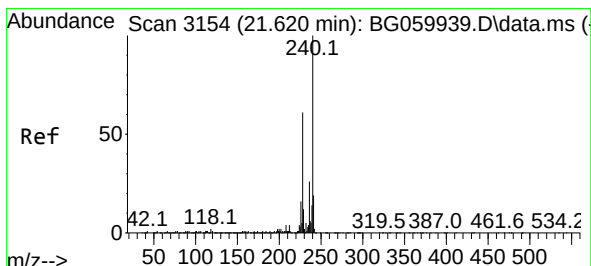
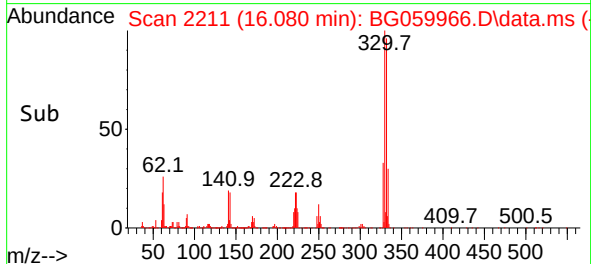
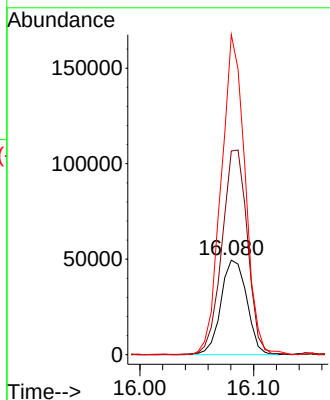
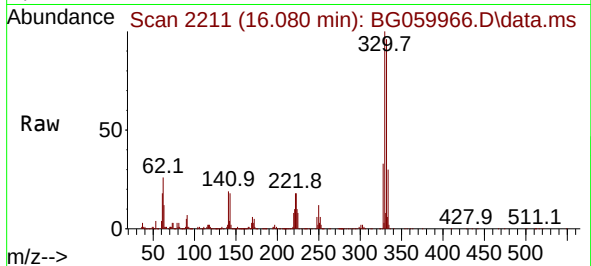




#67  
4-Bromophenyl-phenylether  
Concen: 3.712 ng  
RT: 16.080 min Scan# 211  
Delta R.T. -0.457 min  
Lab File: BG059966.D  
Acq: 6 Dec 2023 12:32

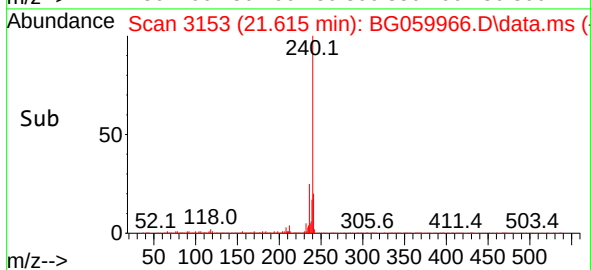
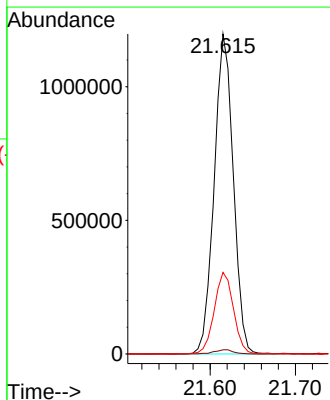
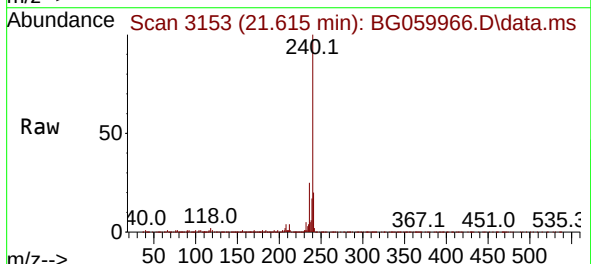
Instrument :  
BNA\_G  
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PB157520TB

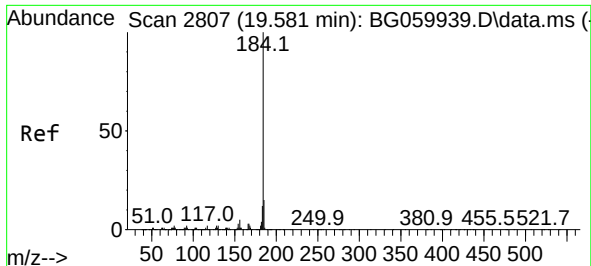
Tgt Ion:248 Resp: 78278  
Ion Ratio Lower Upper  
248 100  
250 215.2 79.0 118.4#  
141 338.2 22.3 33.5#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.615 min Scan# 3153  
Delta R.T. -0.005 min  
Lab File: BG059966.D  
Acq: 6 Dec 2023 12:32

Tgt Ion:240 Resp: 1866327  
Ion Ratio Lower Upper  
240 100  
120 1.3 1.0 1.4  
236 25.5 20.8 31.2

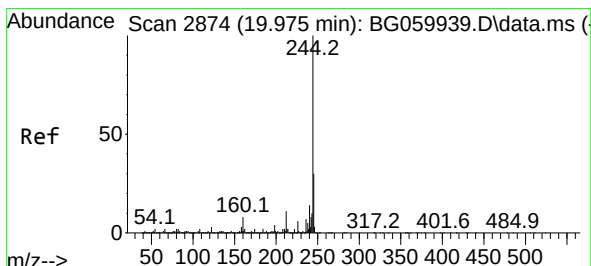
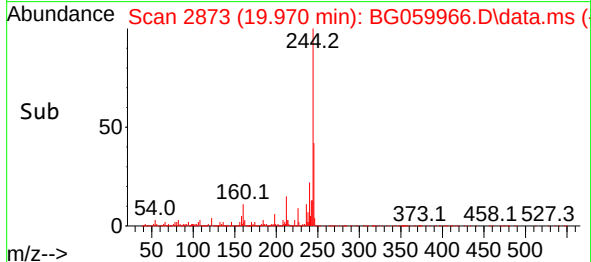
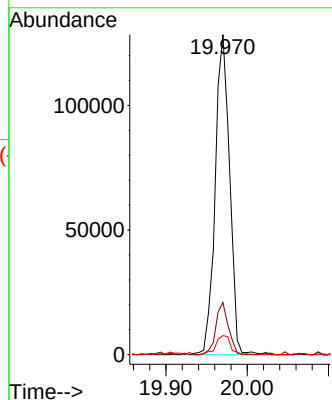
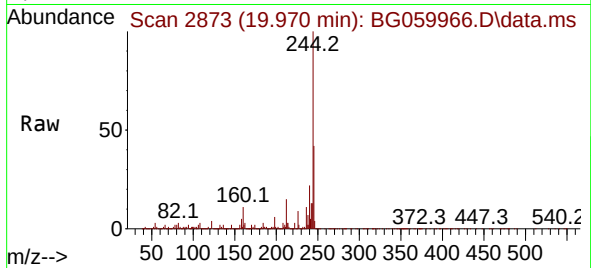




#77  
Benzidine  
Concen: 10.095 ng  
RT: 19.970 min Scan# 2873  
Delta R.T. 0.389 min  
Lab File: BG059966.D  
Acq: 6 Dec 2023 12:32

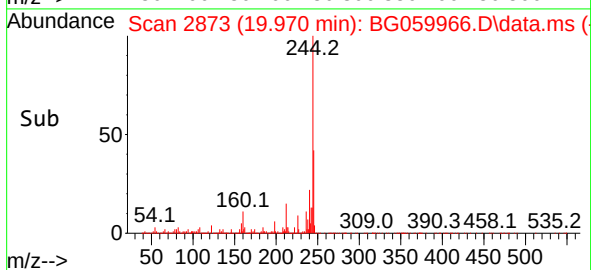
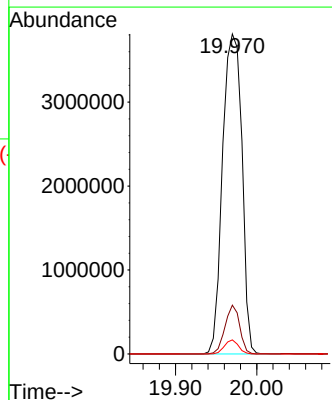
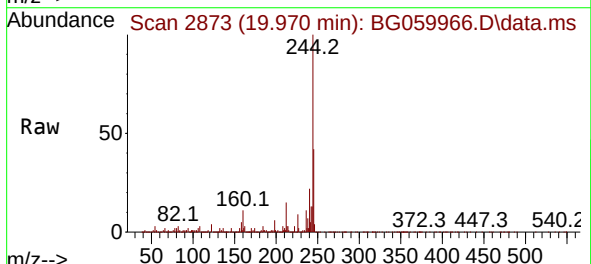
Instrument :  
BNA\_G  
ClientSampleId :  
PB157520TB

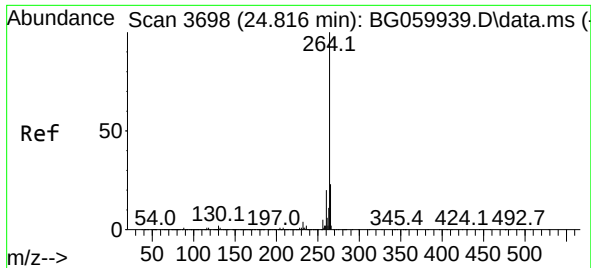
Tgt Ion:184 Resp: 158799  
Ion Ratio Lower Upper  
184 100  
185 16.3 12.0 18.0  
183 6.0 9.7 14.5#



#79  
Terphenyl-d14  
Concen: 58.250 ng  
RT: 19.970 min Scan# 2873  
Delta R.T. -0.005 min  
Lab File: BG059966.D  
Acq: 6 Dec 2023 12:32

Tgt Ion:244 Resp: 6306310  
Ion Ratio Lower Upper  
244 100  
212 15.2 8.6 13.0#  
122 4.4 2.1 3.1#





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 24.811 min Scan# 30  
Delta R.T. -0.005 min  
Lab File: BG059966.D  
Acq: 6 Dec 2023 12:32

Instrument :  
BNA\_G  
ClientSampleId :  
PB157520TB

Tgt Ion:264 Resp: 2159738  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.1  | 15.8  | 23.6  |
| 265 | 20.2  | 18.1  | 27.1  |

