

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG112123\  
 Data File : BG059800.D  
 Acq On : 21 Nov 2023 20:24  
 Operator : MA/JU  
 Sample : 05351-04  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 72-11985

Quant Time: Nov 22 00:33:49 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

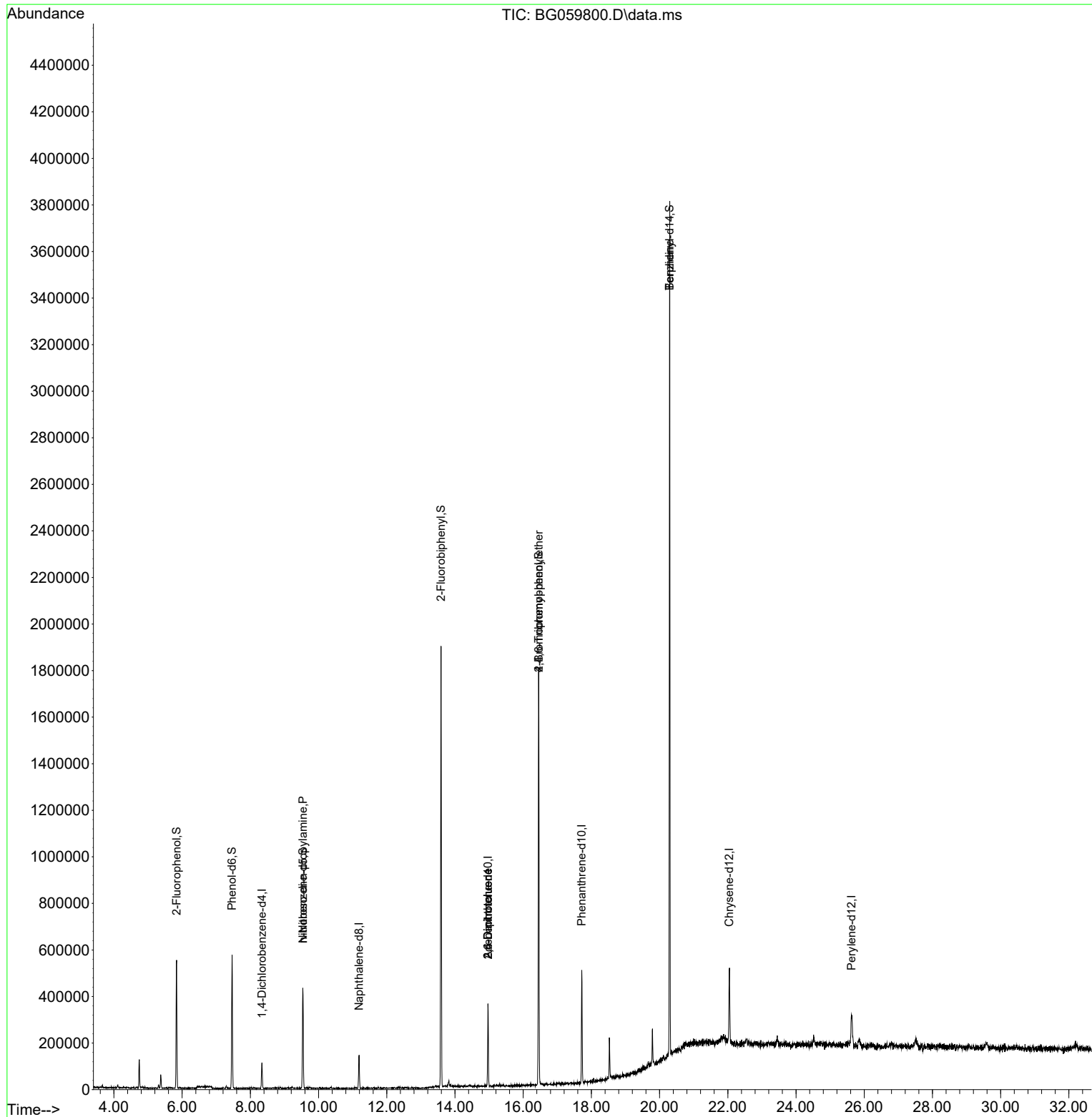
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.339  | 152  | 22227    | 20.000  | ng    | # 0.00   |
| 21) Naphthalene-d8            | 11.188 | 136  | 96801    | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.966 | 164  | 108741   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.716 | 188  | 255633   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 22.040 | 240  | 175986   | 20.000  | ng    | #-0.01   |
| 86) Perylene-d12              | 25.624 | 264  | 142407   | 20.000  | ng    | #-0.01   |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.836  | 112  | 187373   | 141.888 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.463  | 99   | 245247   | 125.321 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.537  | 82   | 263316   | 103.889 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.459 | 330  | 238819   | 193.564 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.591 | 172  | 806874   | 99.879  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.295 | 244  | 1404962  | 117.854 | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 9.537  | 70   | 43246    | 28.062  | ng    | # 84     |
| 51) 2,6-Dinitrotoluene        | 14.966 | 165  | 15198    | 9.507   | ng    | # 1      |
| 57) 2,4-Dinitrotoluene        | 14.966 | 165  | 15198    | 6.182   | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 16.459 | 248  | 17569    | 6.397   | ng    | # 1      |
| 77) Benzidine                 | 20.295 | 184  | 44851    | 11.239  | ng    | # 90     |
| -----                         |        |      |          |         |       |          |

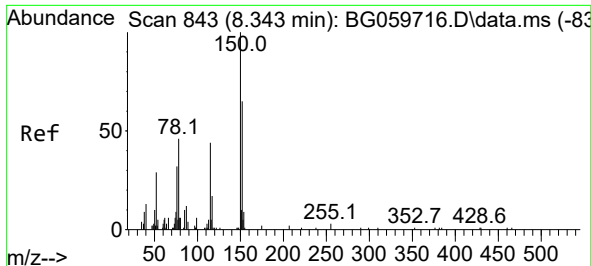
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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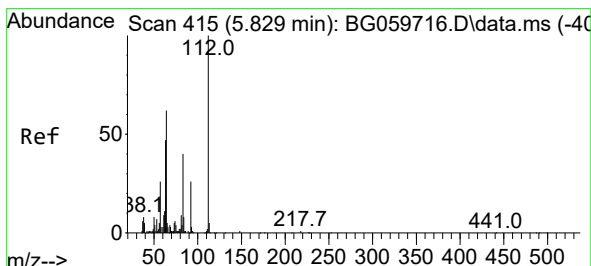
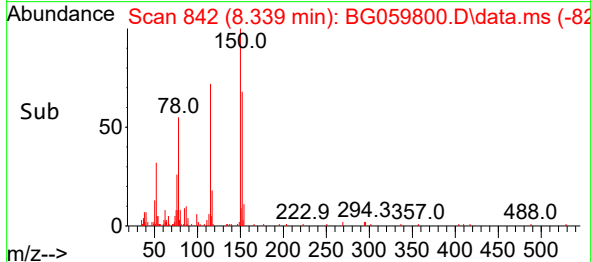
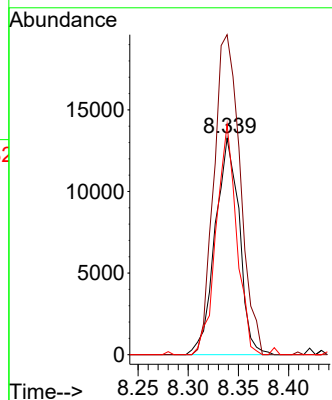
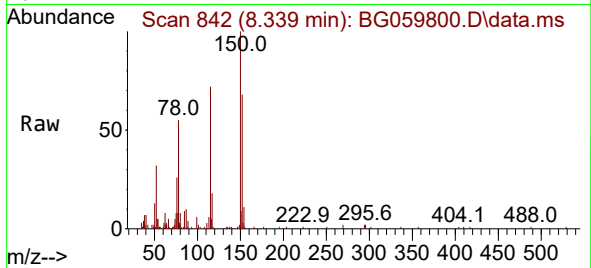




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.339 min Scan# 84  
Delta R.T. -0.004 min  
Lab File: BG059800.D  
Acq: 21 Nov 2023 20:24

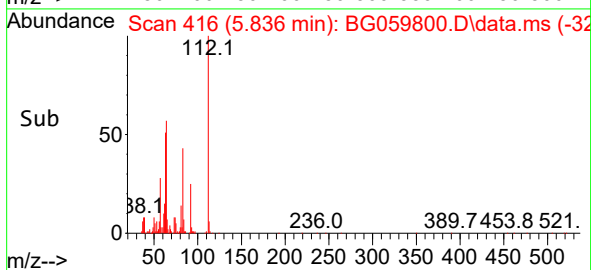
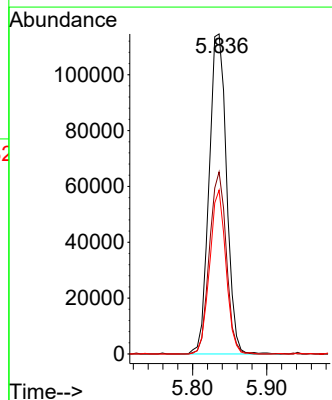
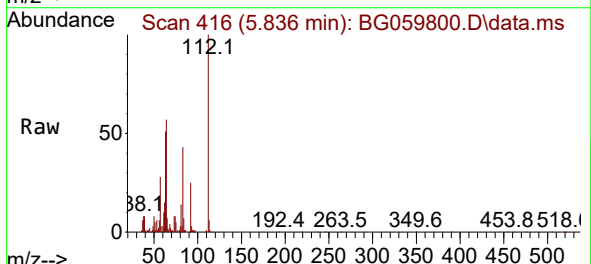
Instrument :  
BNA\_G  
ClientSampleId :  
72-11985

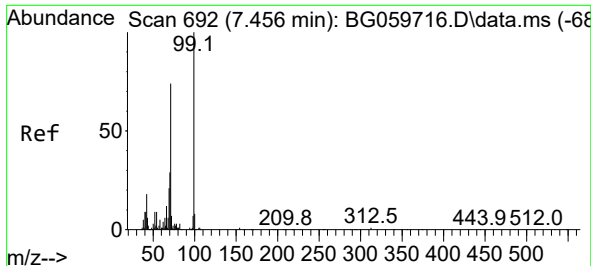
Tgt Ion:152 Resp: 22227  
Ion Ratio Lower Upper  
152 100  
150 147.8 122.2 183.4  
115 106.4 54.2 81.4#



#5  
2-Fluorophenol  
Concen: 141.888 ng  
RT: 5.836 min Scan# 416  
Delta R.T. 0.007 min  
Lab File: BG059800.D  
Acq: 21 Nov 2023 20:24

Tgt Ion:112 Resp: 187373  
Ion Ratio Lower Upper  
112 100  
64 56.9 49.5 74.3  
63 51.2 37.4 56.2

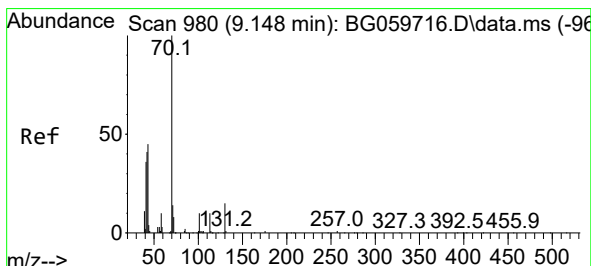
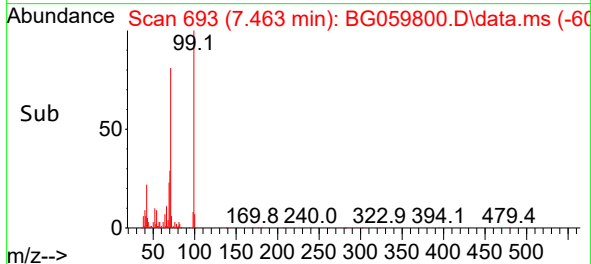
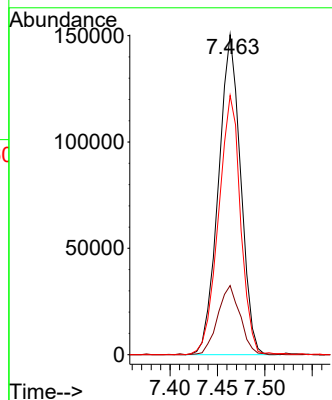
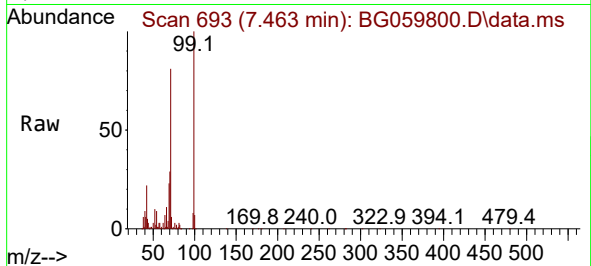




#7  
Phenol-d6  
Concen: 125.321 ng  
RT: 7.463 min Scan# 692  
Delta R.T. 0.007 min  
Lab File: BG059800.D  
Acq: 21 Nov 2023 20:24

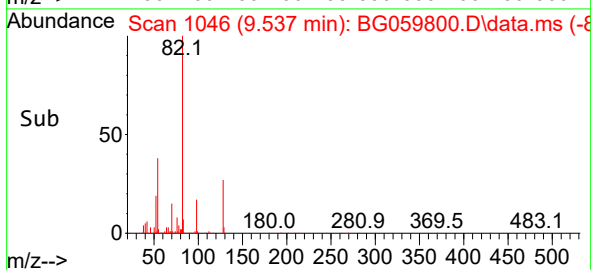
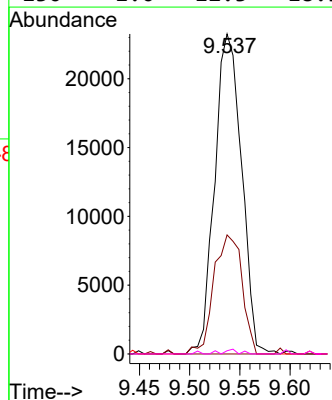
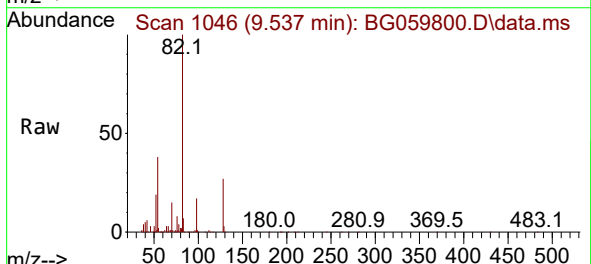
Instrument :  
BNA\_G  
ClientSampleId :  
72-11985

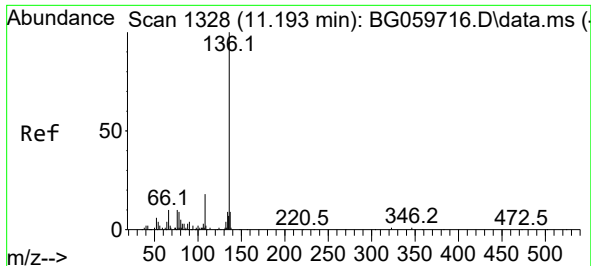
Tgt Ion: 99 Resp: 245247  
Ion Ratio Lower Upper  
99 100  
42 21.6 14.3 21.5#  
71 81.0 59.3 88.9



#19  
n-Nitroso-di-n-propylamine  
Concen: 28.062 ng  
RT: 9.537 min Scan# 1046  
Delta R.T. 0.389 min  
Lab File: BG059800.D  
Acq: 21 Nov 2023 20:24

Tgt Ion: 70 Resp: 43246  
Ion Ratio Lower Upper  
70 100  
42 37.2 32.8 49.2  
101 0.0 7.7 11.5#  
130 1.0 12.3 18.5#

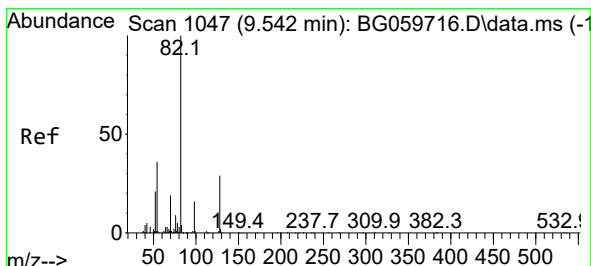
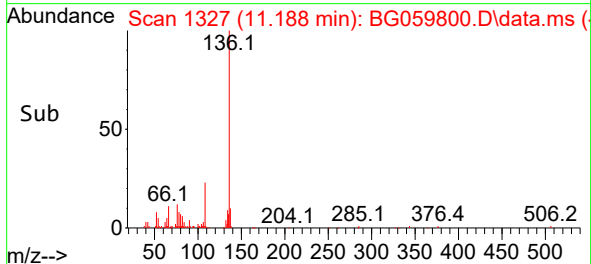
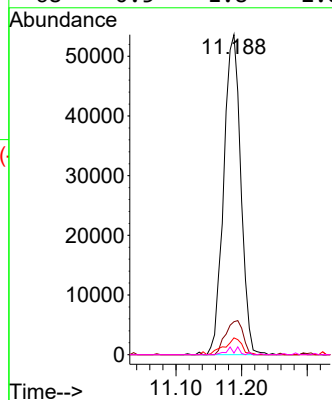
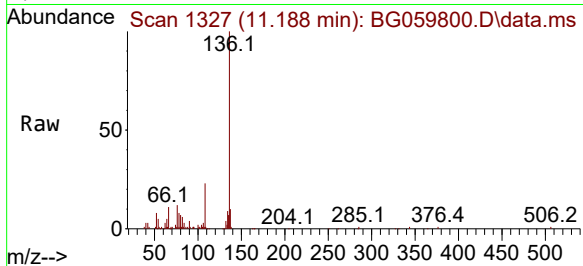




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.188 min Scan# 111  
Delta R.T. -0.005 min  
Lab File: BG059800.D  
Acq: 21 Nov 2023 20:24

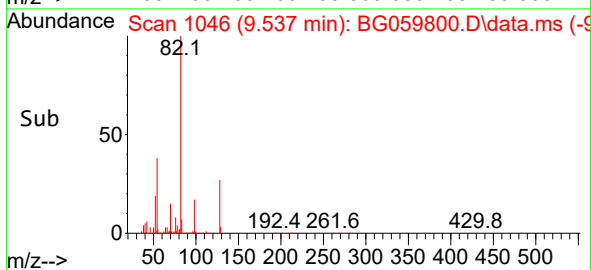
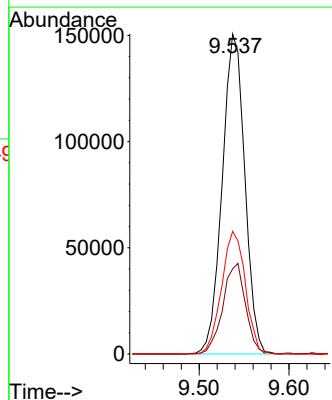
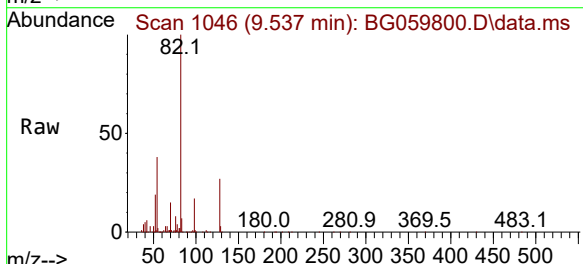
Instrument :  
BNA\_G  
ClientSampleId :  
72-11985

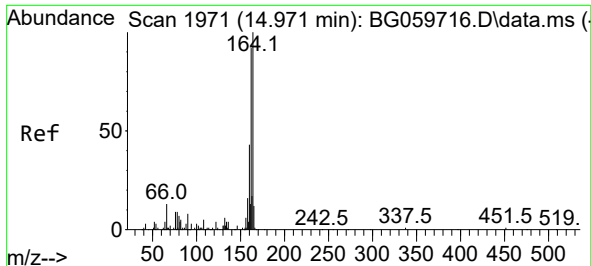
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 136   | Resp: | 96801 |
| Ion Ratio | Lower | Upper |       |
| 136       | 100   |       |       |
| 137       | 10.3  | 7.4   | 11.0  |
| 54        | 5.2   | 3.1   | 4.7#  |
| 68        | 0.5   | 1.8   | 2.8#  |



#23  
Nitrobenzene-d5  
Concen: 103.889 ng  
RT: 9.537 min Scan# 1046  
Delta R.T. -0.005 min  
Lab File: BG059800.D  
Acq: 21 Nov 2023 20:24

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 82    | Resp: | 263316 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 26.6  | 23.0  | 34.6   |
| 54        | 38.3  | 28.7  | 43.1   |

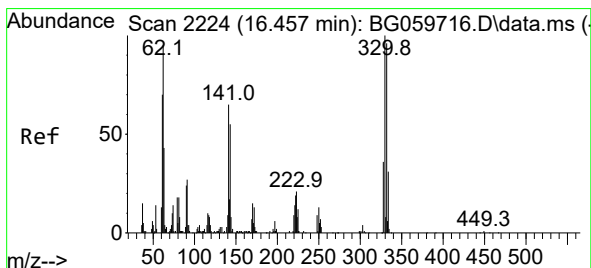
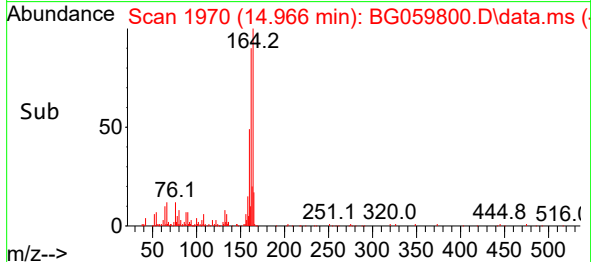
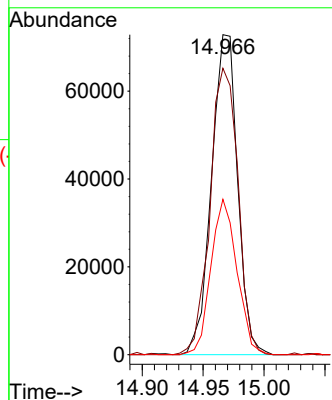
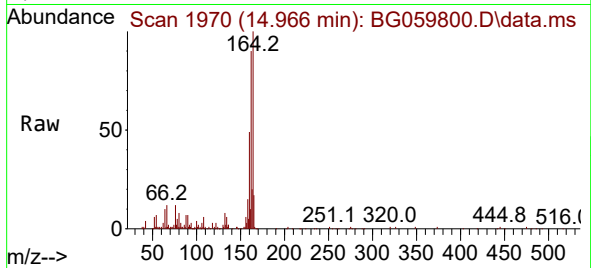




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.966 min Scan# 1971  
Delta R.T. -0.005 min  
Lab File: BG059800.D  
Acq: 21 Nov 2023 20:24

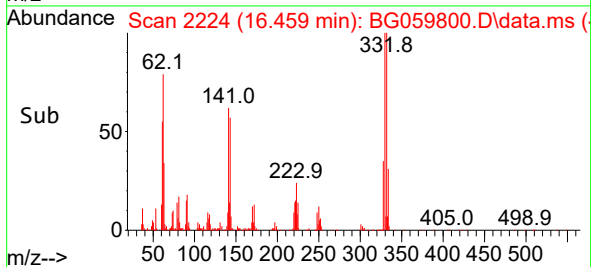
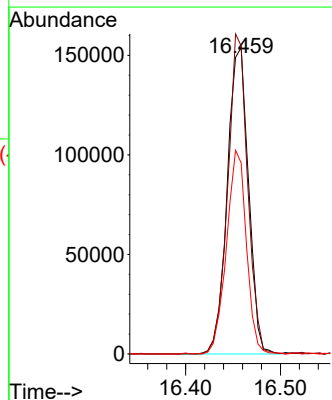
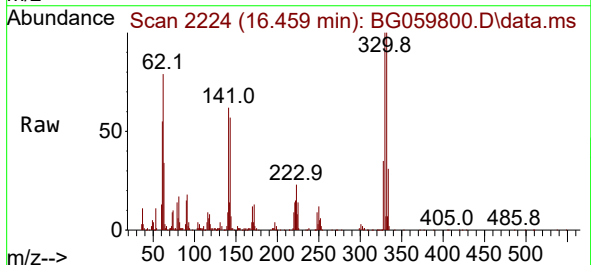
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ClientSampleId :  
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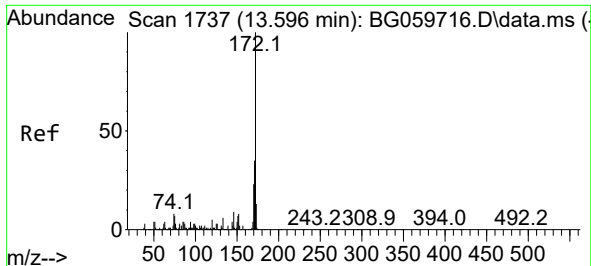
Tgt Ion:164 Resp: 108741  
Ion Ratio Lower Upper  
164 100  
162 89.5 73.3 109.9  
160 48.5 34.1 51.1



#42  
2,4,6-Tribromophenol  
Concen: 193.564 ng  
RT: 16.459 min Scan# 2224  
Delta R.T. 0.001 min  
Lab File: BG059800.D  
Acq: 21 Nov 2023 20:24

Tgt Ion:330 Resp: 238819  
Ion Ratio Lower Upper  
330 100  
332 98.4 73.3 109.9  
141 62.5 52.1 78.1

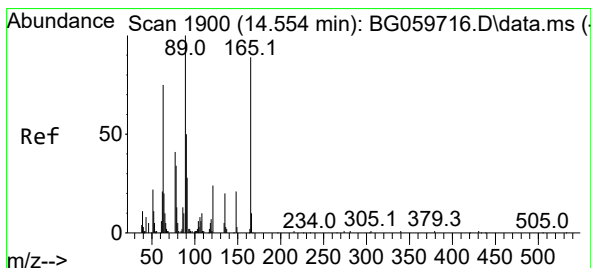
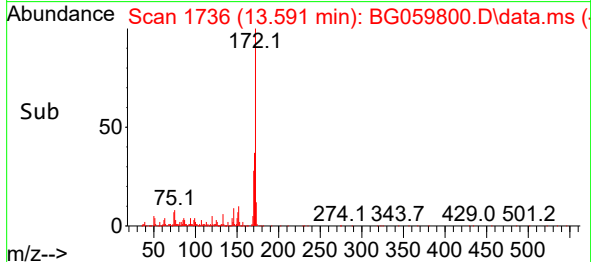
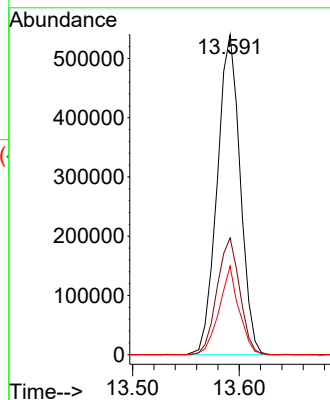
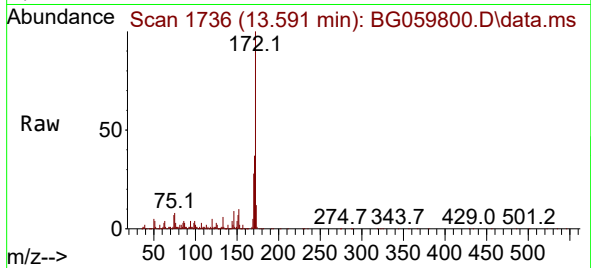




#45  
2-Fluorobiphenyl  
Concen: 99.879 ng  
RT: 13.591 min Scan# 1  
Delta R.T. -0.005 min  
Lab File: BG059800.D  
Acq: 21 Nov 2023 20:24

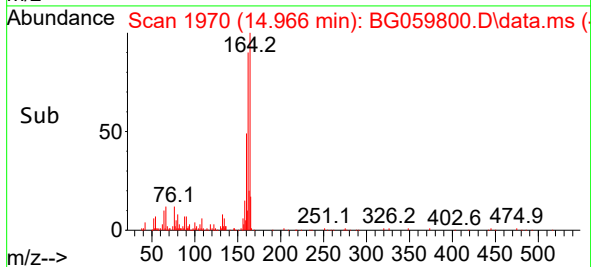
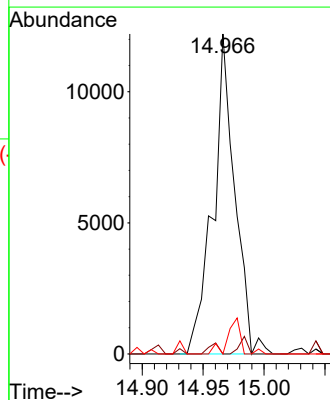
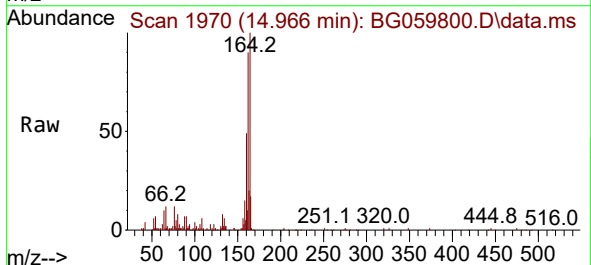
Instrument :  
BNA\_G  
ClientSampleId :  
72-11985

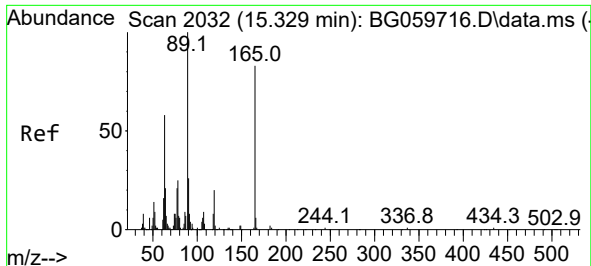
Tgt Ion:172 Resp: 806874  
Ion Ratio Lower Upper  
172 100  
171 36.5 27.7 41.5  
170 27.7 18.4 27.6#



#51  
2,6-Dinitrotoluene  
Concen: 9.507 ng  
RT: 14.966 min Scan# 1970  
Delta R.T. 0.412 min  
Lab File: BG059800.D  
Acq: 21 Nov 2023 20:24

Tgt Ion:165 Resp: 15198  
Ion Ratio Lower Upper  
165 100  
63 0.0 75.3 112.9#  
89 0.0 90.9 136.3#





#57

2,4-Dinitrotoluene

Concen: 6.182 ng

RT: 14.966 min Scan# 1970

Delta R.T. -0.363 min

Lab File: BG059800.D

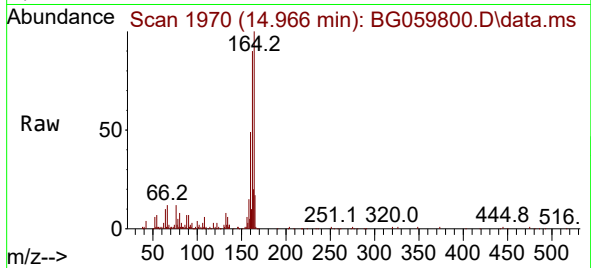
Acq: 21 Nov 2023 20:24

Instrument :

BNA\_G

ClientSampleId :

72-11985



Tgt Ion:165 Resp: 15198

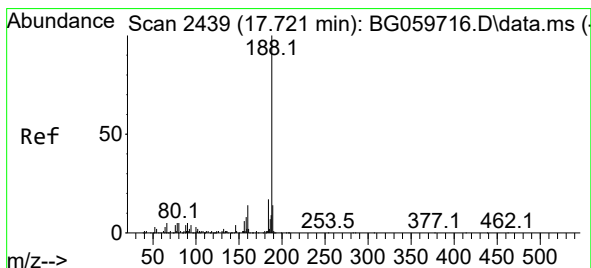
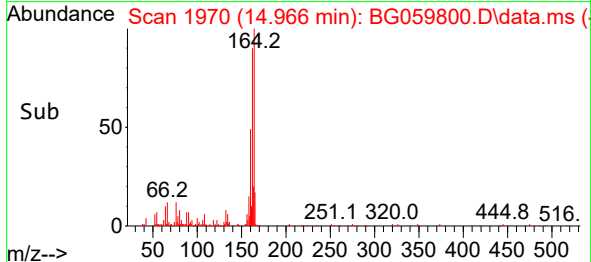
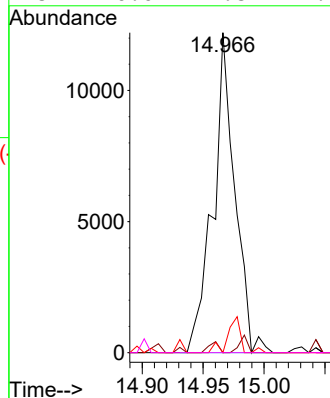
Ion Ratio Lower Upper

165 100

63 0.0 55.8 83.8#

89 0.0 96.9 145.3#

182 0.0 1.8 2.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.716 min Scan# 2438

Delta R.T. -0.005 min

Lab File: BG059800.D

Acq: 21 Nov 2023 20:24

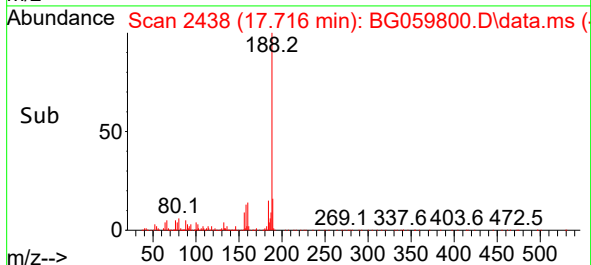
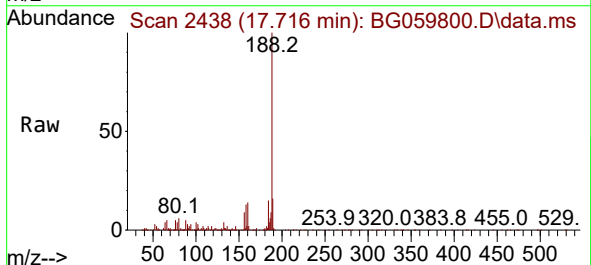
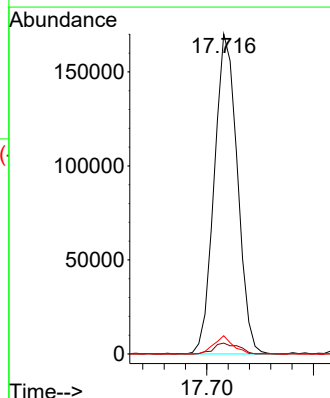
Tgt Ion:188 Resp: 255633

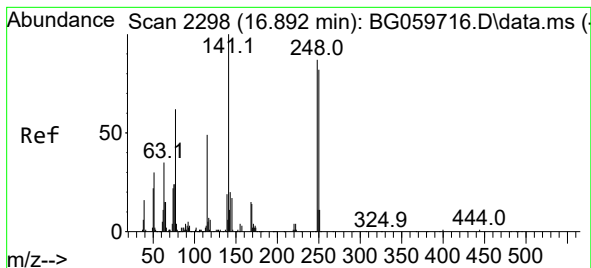
Ion Ratio Lower Upper

188 100

94 3.4 3.0 4.4

80 5.7 4.2 6.4





#67

4-Bromophenyl-phenylether

Concen: 6.397 ng

RT: 16.459 min Scan# 21

Delta R.T. -0.434 min

Lab File: BG059800.D

Acq: 21 Nov 2023 20:24

Instrument :

BNA\_G

ClientSampleId :

72-11985

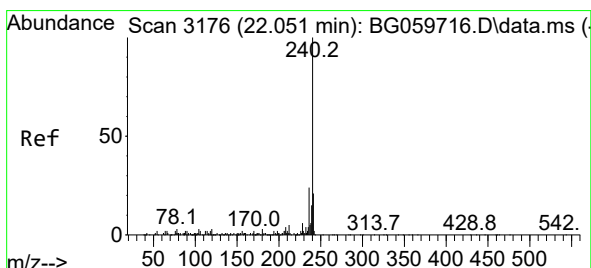
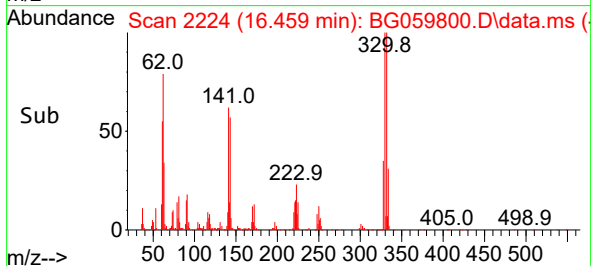
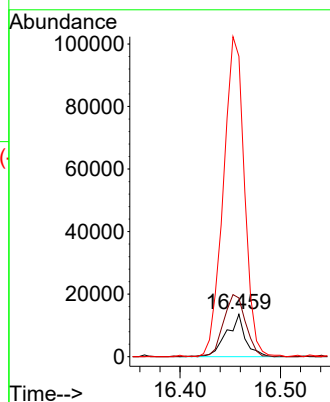
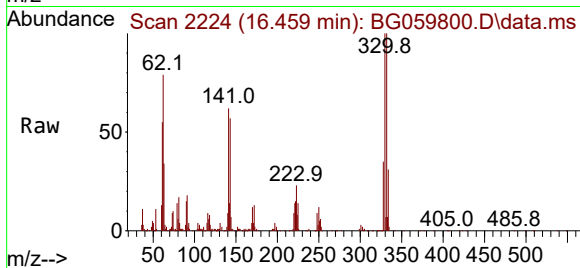
Tgt Ion:248 Resp: 17569

Ion Ratio Lower Upper

248 100

250 138.5 75.2 112.8#

141 707.5 91.5 137.3#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.040 min Scan# 3174

Delta R.T. -0.011 min

Lab File: BG059800.D

Acq: 21 Nov 2023 20:24

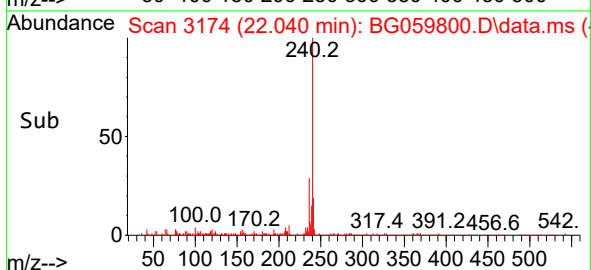
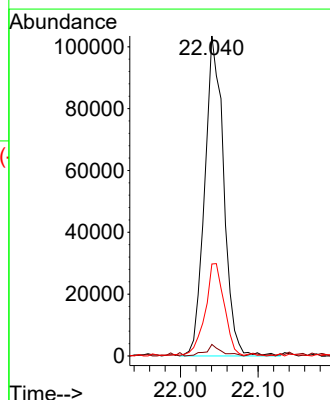
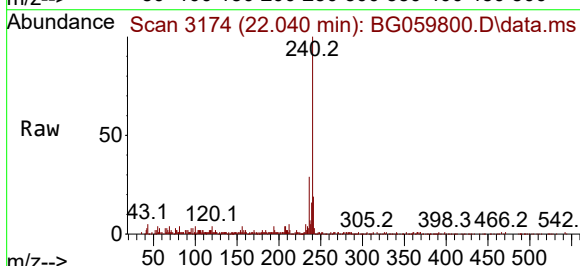
Tgt Ion:240 Resp: 175986

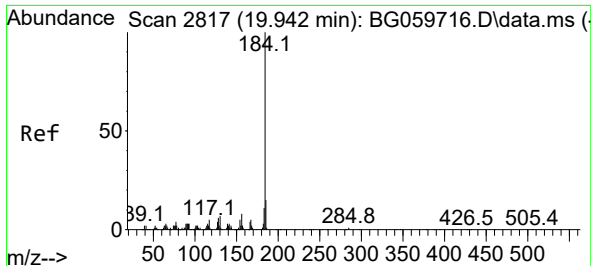
Ion Ratio Lower Upper

240 100

120 3.6 2.2 3.2#

236 28.8 19.4 29.2

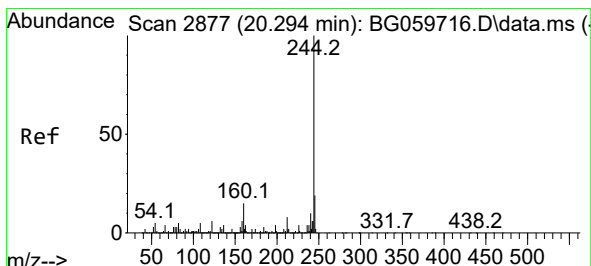
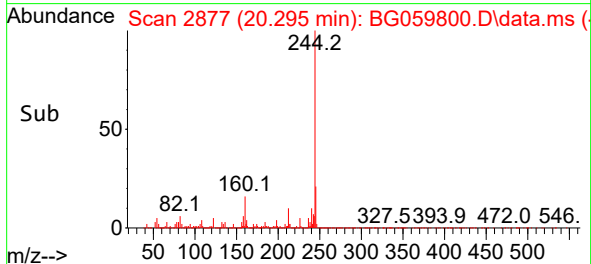
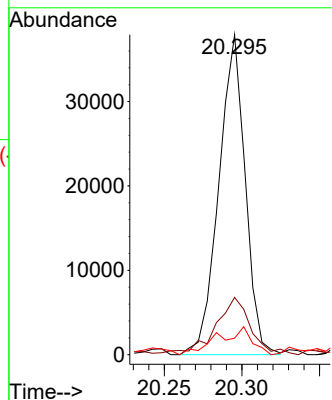
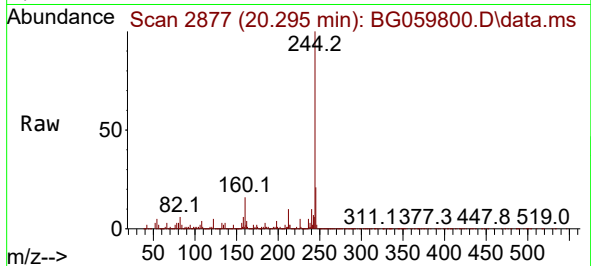




#77  
Benzidine  
Concen: 11.239 ng  
RT: 20.295 min Scan# 2877  
Delta R.T. 0.354 min  
Lab File: BG059800.D  
Acq: 21 Nov 2023 20:24

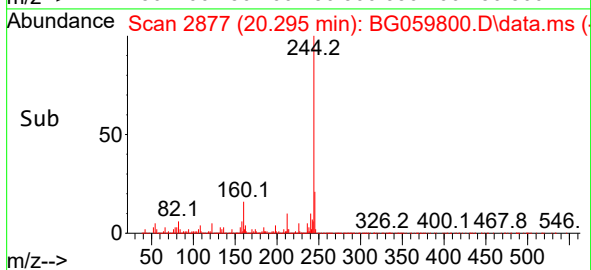
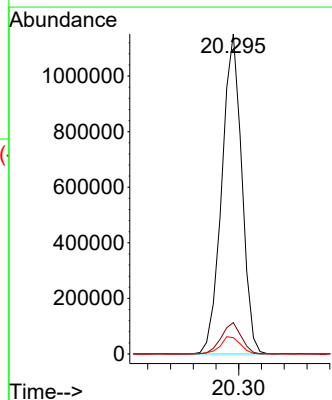
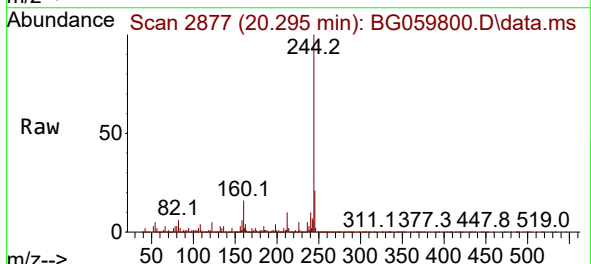
Instrument :  
BNA\_G  
ClientSampleId :  
72-11985

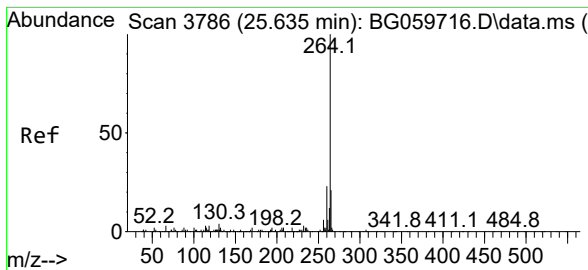
Tgt Ion:184 Resp: 44851  
Ion Ratio Lower Upper  
184 100  
185 17.9 12.2 18.2  
183 5.2 8.8 13.2#



#79  
Terphenyl-d14  
Concen: 117.854 ng  
RT: 20.295 min Scan# 2877  
Delta R.T. 0.001 min  
Lab File: BG059800.D  
Acq: 21 Nov 2023 20:24

Tgt Ion:244 Resp: 1404962  
Ion Ratio Lower Upper  
244 100  
212 9.8 6.6 10.0  
122 5.1 4.4 6.6





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 25.624 min Scan# 31  
 Delta R.T. -0.011 min  
 Lab File: BG059800.D  
 Acq: 21 Nov 2023 20:24

Instrument :  
 BNA\_G  
 ClientSampleId :  
 72-11985

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:264 | Resp: | 142407      |
| Ion         | Ratio | Lower Upper |
| 264         | 100   |             |
| 260         | 24.1  | 18.5 27.7   |
| 265         | 17.0  | 17.0 25.6#  |

