

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG111723\  
 Data File : BG059737.D  
 Acq On : 17 Nov 2023 19:32  
 Operator : MA/JU  
 Sample : 05331-01  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Nov 18 04:19:25 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

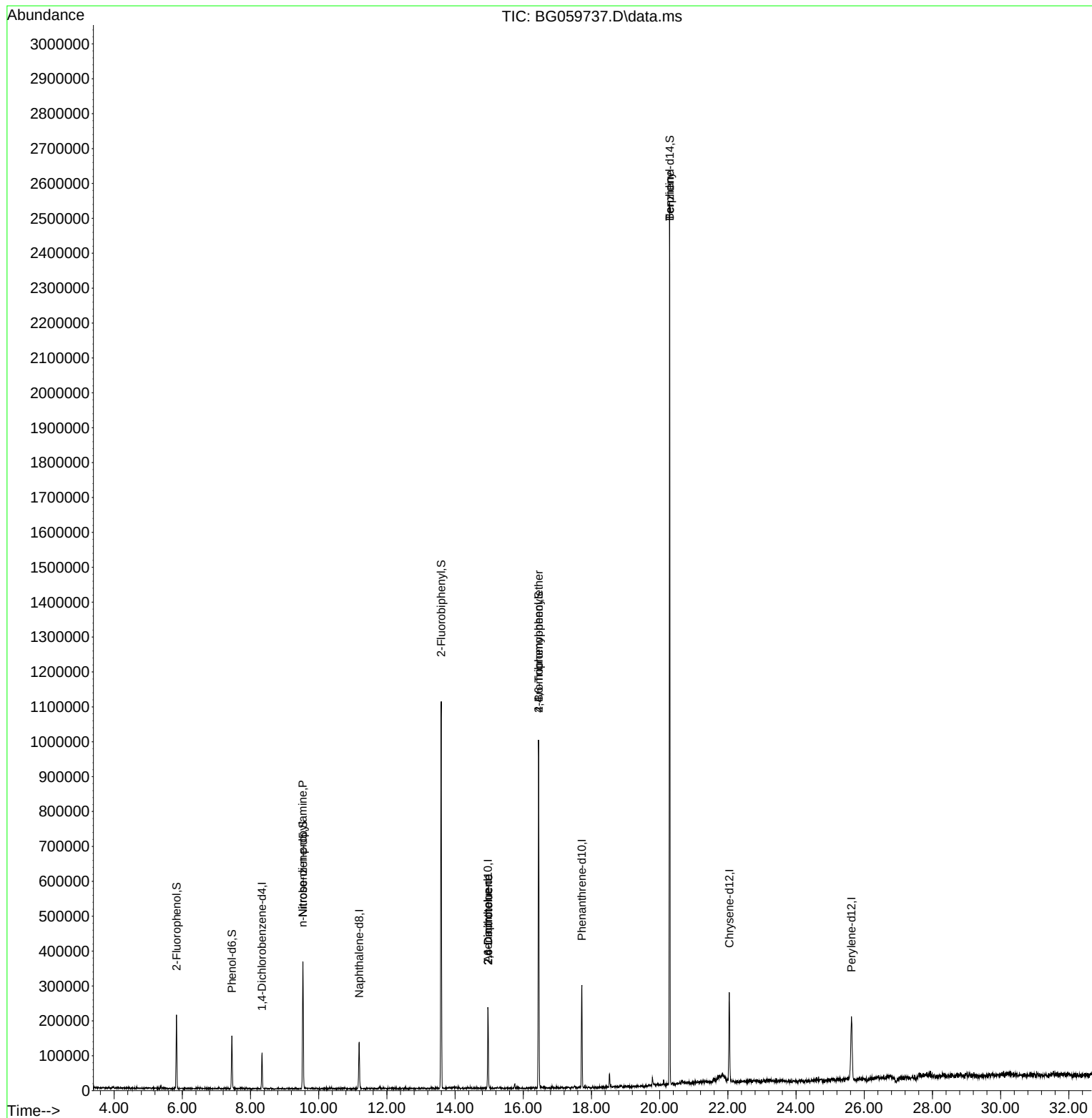
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.335  | 152  | 18482    | 20.000  | ng    | # 0.00   |
| 21) Naphthalene-d8            | 11.190 | 136  | 92872    | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.962 | 164  | 69274    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.718 | 188  | 166859   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 22.042 | 240  | 155895   | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12              | 25.626 | 264  | 213548   | 20.000  | ng    | # 0.00   |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.832  | 112  | 75075    | 68.370  | ng    | 0.00     |
| 7) Phenol-d6                  | 7.460  | 99   | 66961    | 41.150  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.539  | 82   | 227259   | 93.456  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.455 | 330  | 136423   | 173.566 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.594 | 172  | 494146   | 96.016  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.297 | 244  | 1036928  | 98.192  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
| 19) n-Nitroso-di-n-propyla... | 9.534  | 70   | 36648    | 28.600  | ng    | # 84     |
| 51) 2,6-Dinitrotoluene        | 14.968 | 165  | 8682     | 8.525   | ng    | # 1      |
| 57) 2,4-Dinitrotoluene        | 14.968 | 165  | 8682     | 5.543   | ng    | # 3      |
| 67) 4-Bromophenyl-phenylether | 16.455 | 248  | 9095     | 5.074   | ng    | # 1      |
| 77) Benzidine                 | 20.297 | 184  | 29673    | 8.394   | ng    | # 95     |
| -----                         |        |      |          |         |       |          |

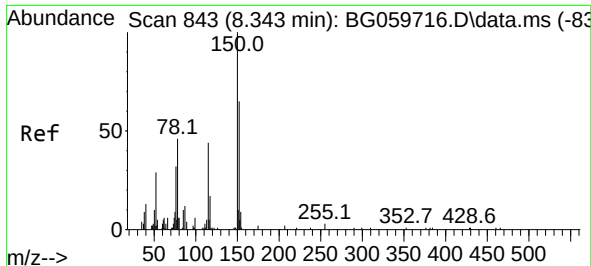
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG111723\  
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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

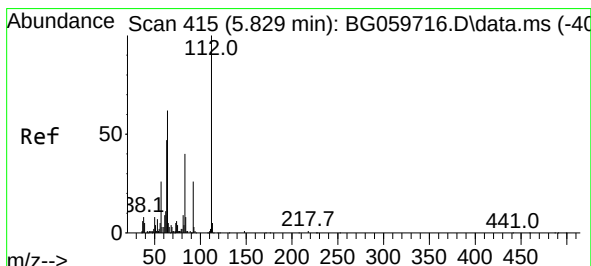
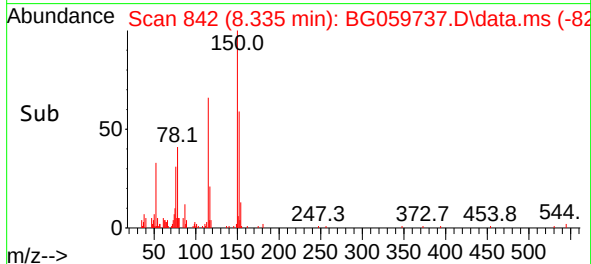
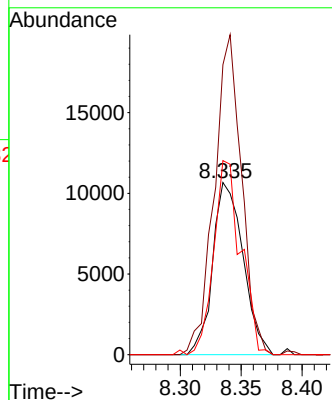
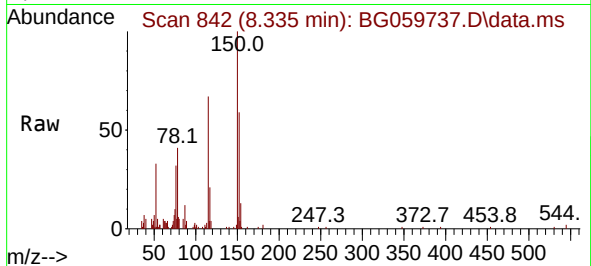




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.335 min Scan# 843  
Delta R.T. -0.008 min  
Lab File: BG059737.D  
Acq: 17 Nov 2023 19:32

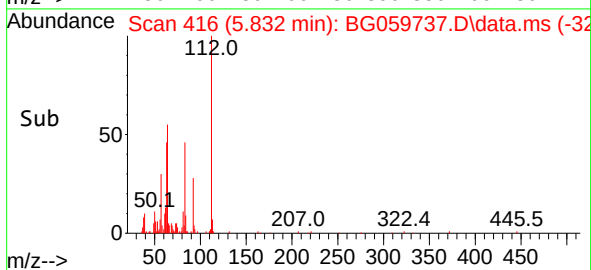
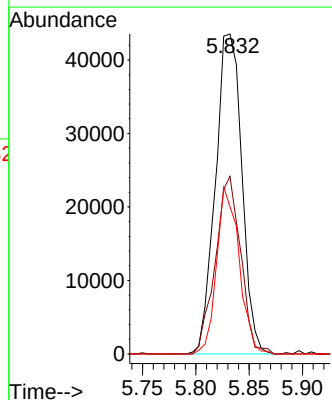
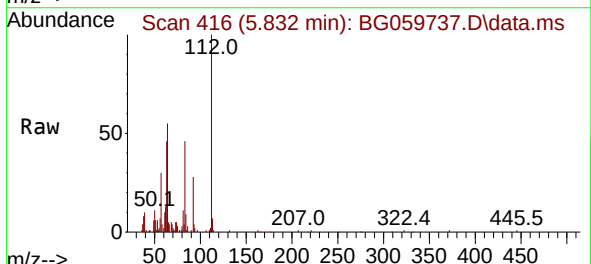
Instrument :  
BNA\_G  
ClientSampleId :

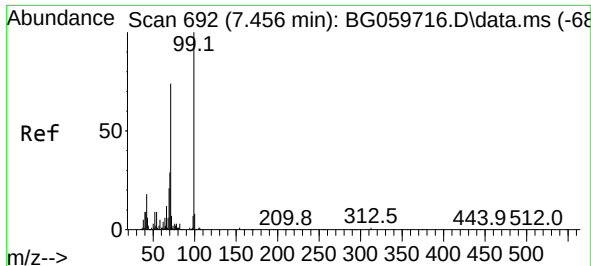
Tgt Ion:152 Resp: 18482  
Ion Ratio Lower Upper  
152 100  
150 168.4 122.2 183.4  
115 112.7 54.2 81.4#



#5  
2-Fluorophenol  
Concen: 68.370 ng  
RT: 5.832 min Scan# 416  
Delta R.T. 0.003 min  
Lab File: BG059737.D  
Acq: 17 Nov 2023 19:32

Tgt Ion:112 Resp: 75075  
Ion Ratio Lower Upper  
112 100  
64 55.5 49.5 74.3  
63 46.0 37.4 56.2

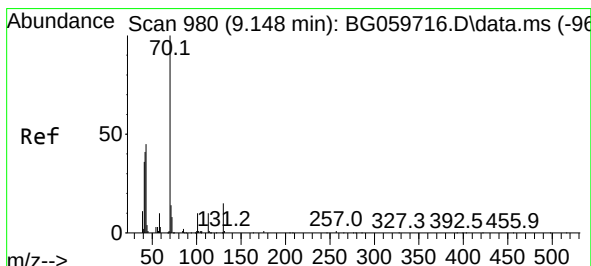
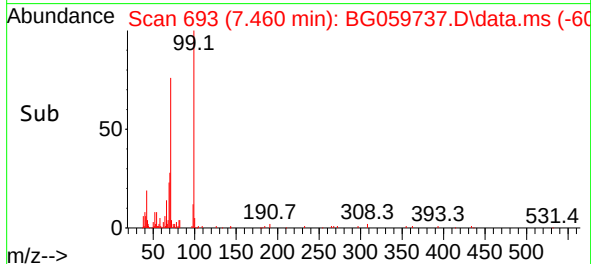
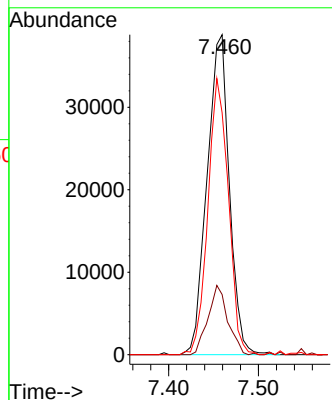
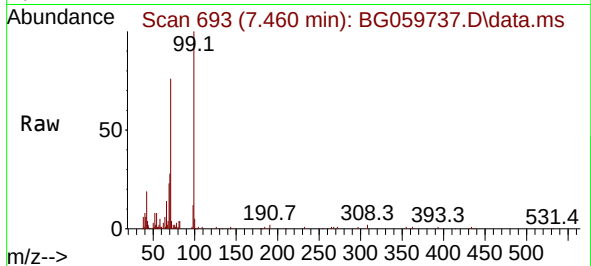




#7  
Phenol-d6  
Concen: 41.150 ng  
RT: 7.460 min Scan# 692  
Delta R.T. 0.003 min  
Lab File: BG059737.D  
Acq: 17 Nov 2023 19:32

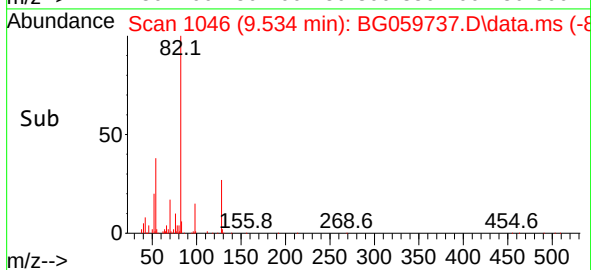
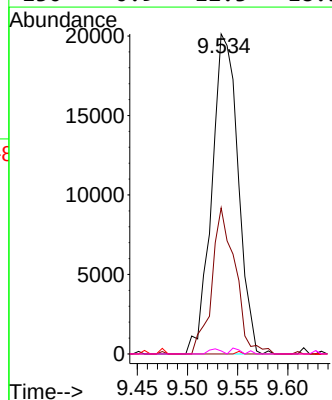
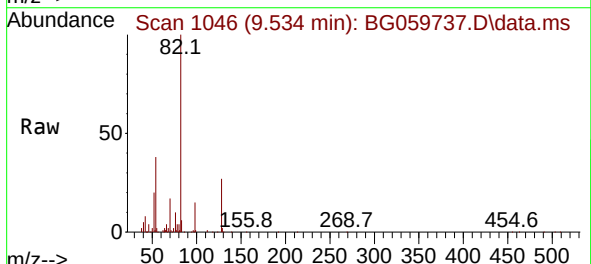
Instrument :  
BNA\_G  
ClientSampleId :

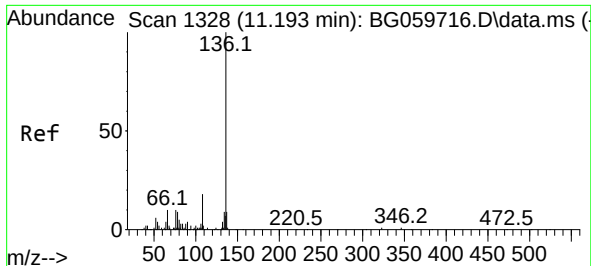
Tgt Ion: 99 Resp: 66961  
Ion Ratio Lower Upper  
99 100  
42 18.8 14.3 21.5  
71 75.6 59.3 88.9



#19  
n-Nitroso-di-n-propylamine  
Concen: 28.600 ng  
RT: 9.534 min Scan# 1046  
Delta R.T. 0.385 min  
Lab File: BG059737.D  
Acq: 17 Nov 2023 19:32

Tgt Ion: 70 Resp: 36648  
Ion Ratio Lower Upper  
70 100  
42 45.6 32.8 49.2  
101 0.0 7.7 11.5#  
130 0.9 12.3 18.5#

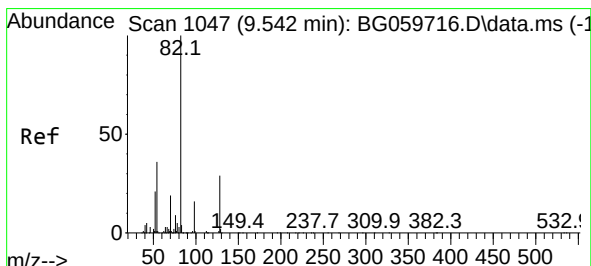
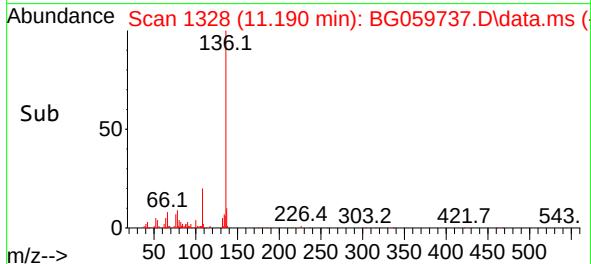
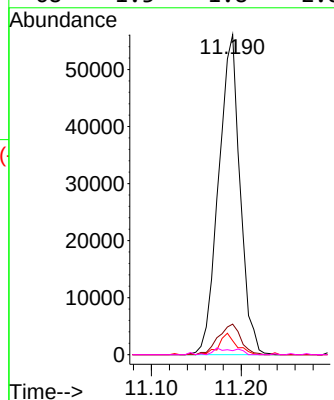
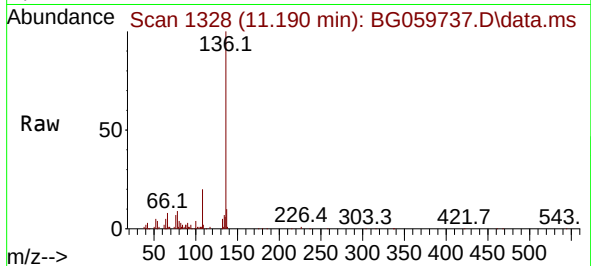




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.190 min Scan# 111  
Delta R.T. -0.003 min  
Lab File: BG059737.D  
Acq: 17 Nov 2023 19:32

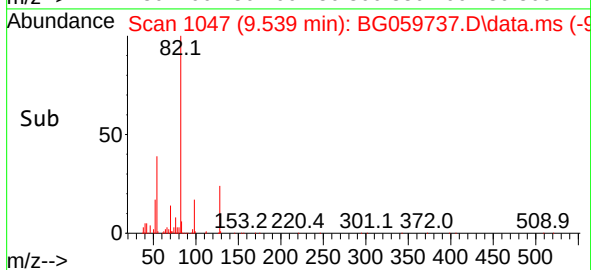
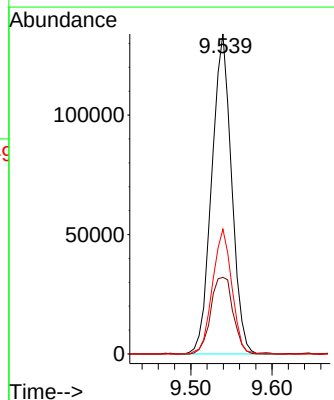
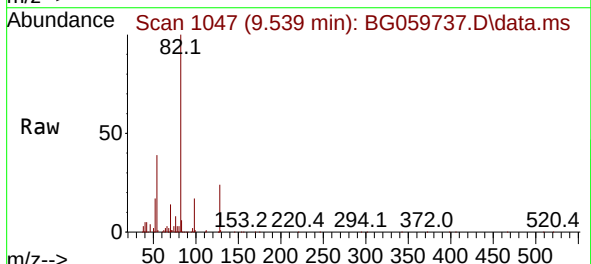
Instrument :  
BNA\_G  
ClientSampleId :

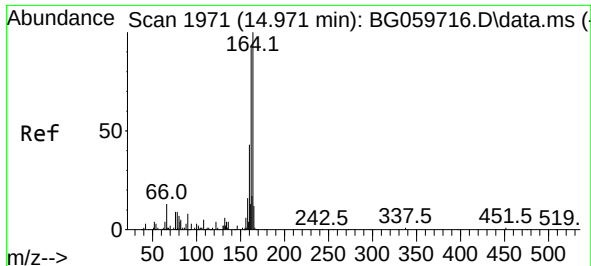
Tgt Ion:136 Resp: 92872  
Ion Ratio Lower Upper  
136 100  
137 9.5 7.4 11.0  
54 4.4 3.1 4.7  
68 1.3 1.8 2.8#



#23  
Nitrobenzene-d5  
Concen: 93.456 ng  
RT: 9.539 min Scan# 1047  
Delta R.T. -0.003 min  
Lab File: BG059737.D  
Acq: 17 Nov 2023 19:32

Tgt Ion: 82 Resp: 227259  
Ion Ratio Lower Upper  
82 100  
128 23.9 23.0 34.6  
54 39.0 28.7 43.1

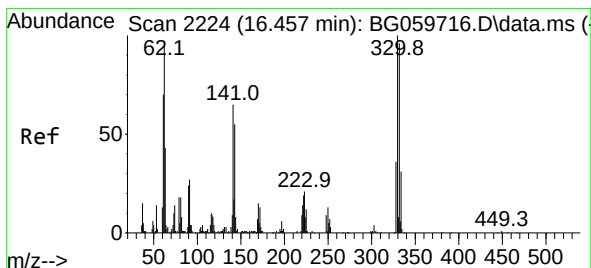
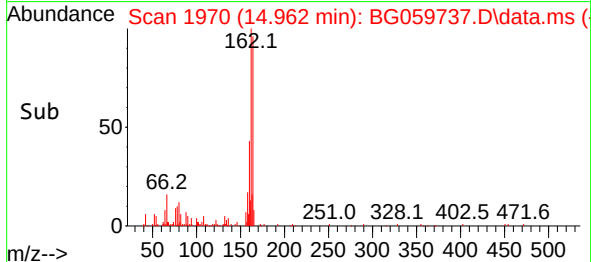
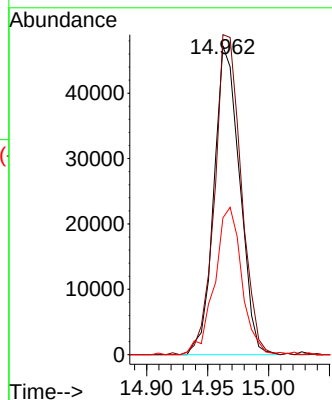
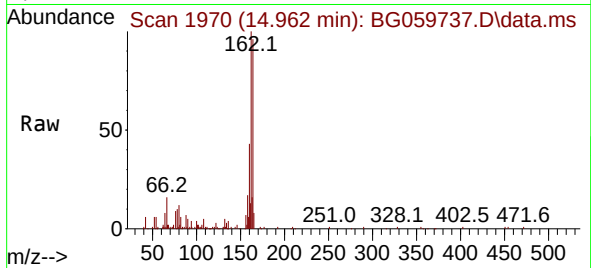




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.962 min Scan# 1970  
Delta R.T. -0.008 min  
Lab File: BG059737.D  
Acq: 17 Nov 2023 19:32

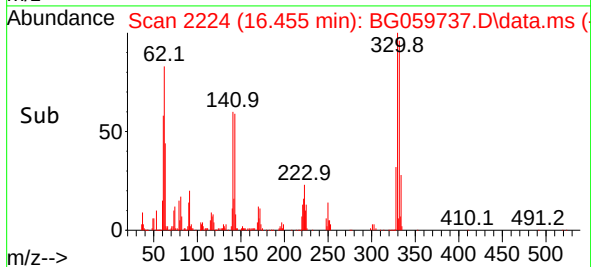
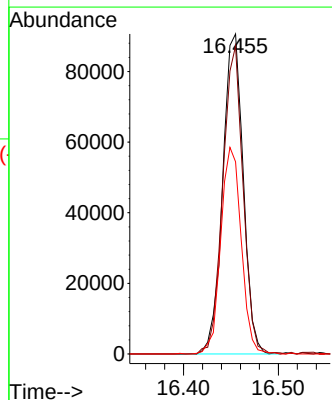
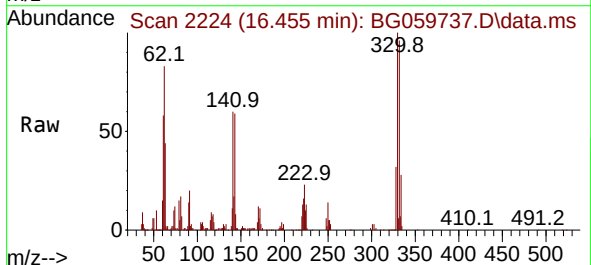
Instrument :  
BNA\_G  
ClientSampleId :

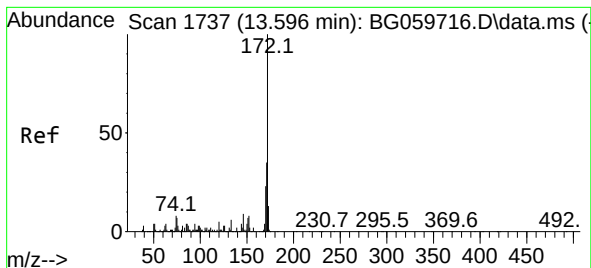
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 103.7 | 73.3  | 109.9 |
| 160     | 44.4  | 34.1  | 51.1  |



#42  
2,4,6-Tribromophenol  
Concen: 173.566 ng  
RT: 16.455 min Scan# 2224  
Delta R.T. -0.003 min  
Lab File: BG059737.D  
Acq: 17 Nov 2023 19:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 94.8  | 73.3  | 109.9 |
| 141     | 64.3  | 52.1  | 78.1  |





#45

2-Fluorobiphenyl

Concen: 96.016 ng

RT: 13.594 min Scan# 1

Delta R.T. -0.003 min

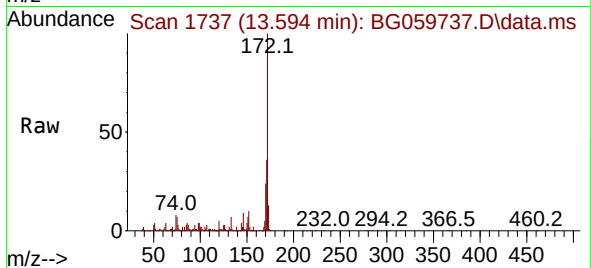
Lab File: BG059737.D

Acq: 17 Nov 2023 19:32

Instrument :

BNA\_G

ClientSampleId :



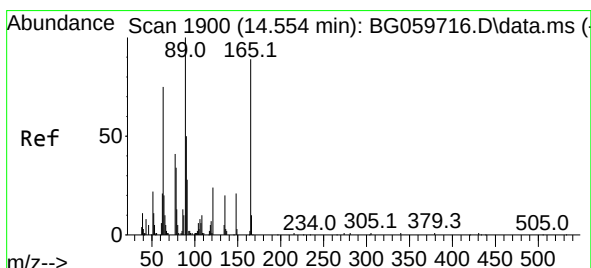
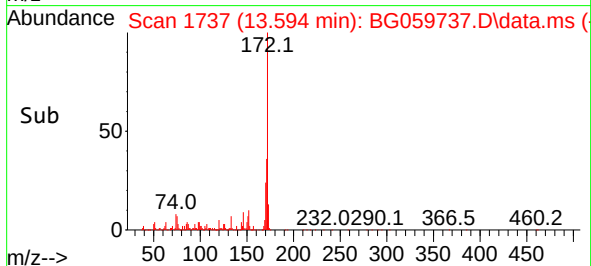
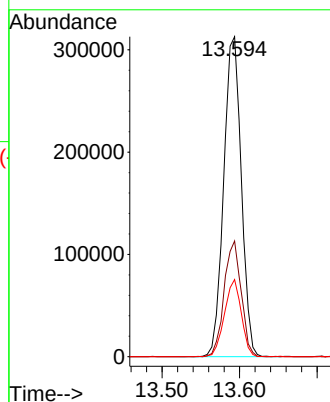
Tgt Ion:172 Resp: 494146

Ion Ratio Lower Upper

172 100

171 36.2 27.7 41.5

170 24.1 18.4 27.6



#51

2,6-Dinitrotoluene

Concen: 8.525 ng

RT: 14.968 min Scan# 1971

Delta R.T. 0.415 min

Lab File: BG059737.D

Acq: 17 Nov 2023 19:32

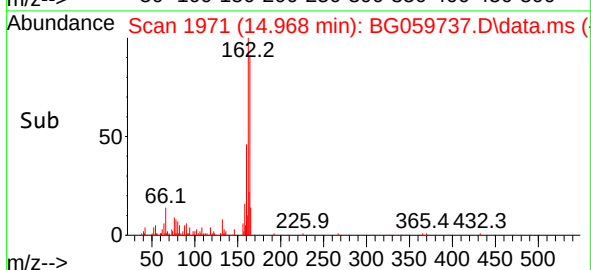
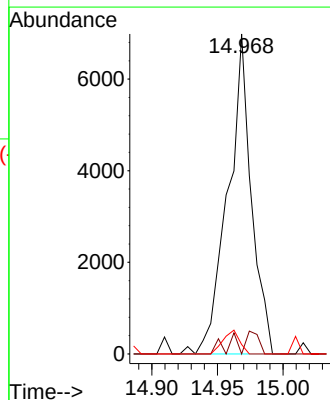
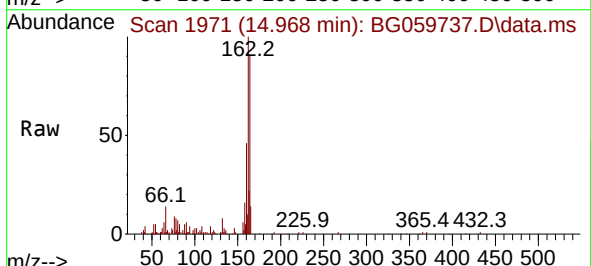
Tgt Ion:165 Resp: 8682

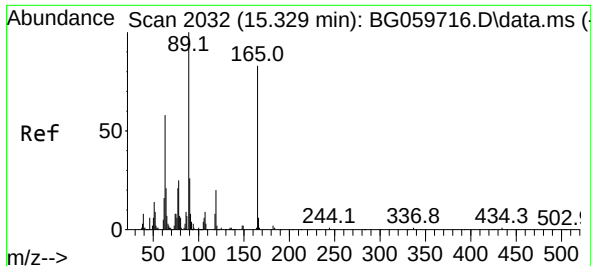
Ion Ratio Lower Upper

165 100

63 0.0 75.3 112.9#

89 2.9 90.9 136.3#





#57

2,4-Dinitrotoluene

Concen: 5.543 ng

RT: 14.968 min Scan# 1971

Delta R.T. -0.361 min

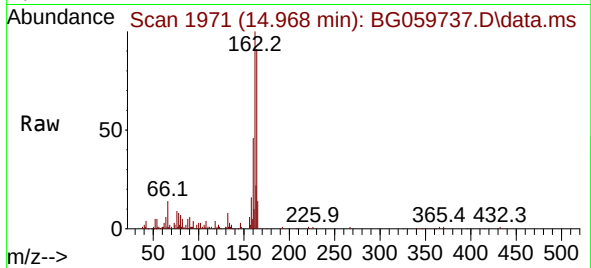
Lab File: BG059737.D

Acq: 17 Nov 2023 19:32

Instrument :

BNA\_G

ClientSampleId :



Tgt Ion:165 Resp: 8682

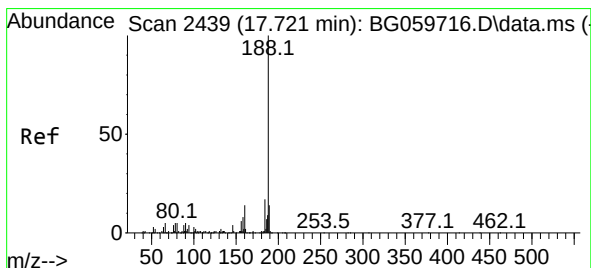
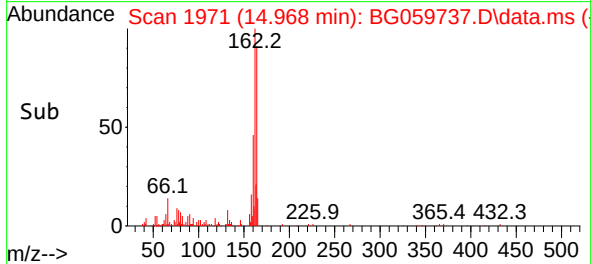
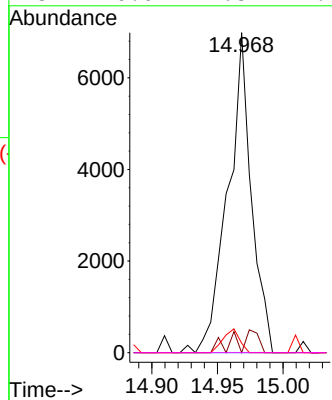
Ion Ratio Lower Upper

165 100

63 0.0 55.8 83.8#

89 2.9 96.9 145.3#

182 0.0 1.8 2.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.718 min Scan# 2439

Delta R.T. -0.003 min

Lab File: BG059737.D

Acq: 17 Nov 2023 19:32

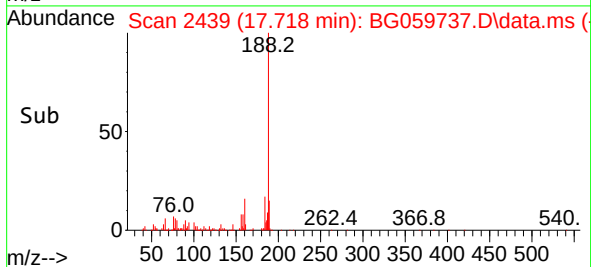
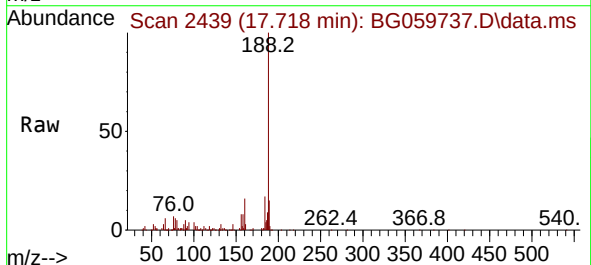
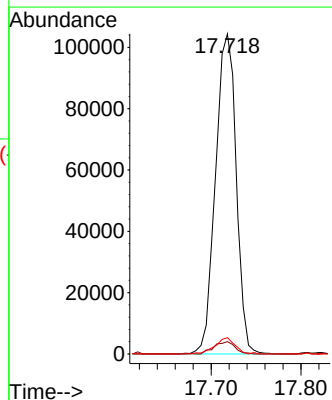
Tgt Ion:188 Resp: 166859

Ion Ratio Lower Upper

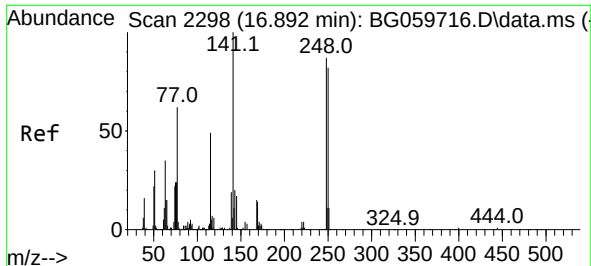
188 100

94 3.9 3.0 4.4

80 5.1 4.2 6.4

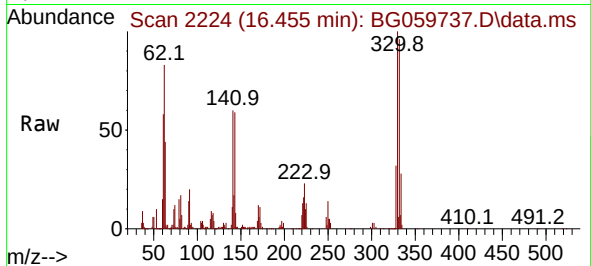




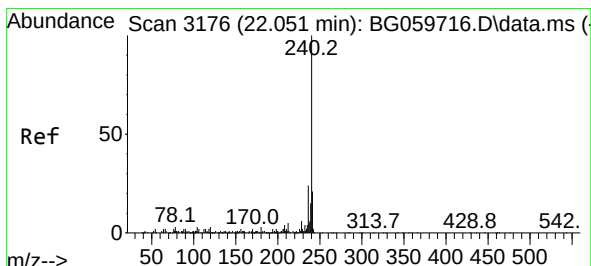
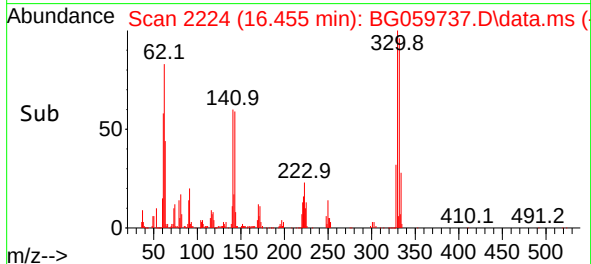
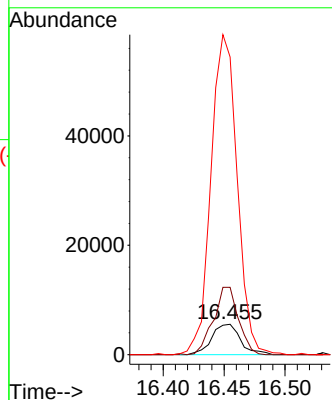


#67  
4-Bromophenyl-phenylether  
Concen: 5.074 ng  
RT: 16.455 min Scan# 211  
Delta R.T. -0.437 min  
Lab File: BG059737.D  
Acq: 17 Nov 2023 19:32

Instrument :  
BNA\_G  
ClientSampleId :

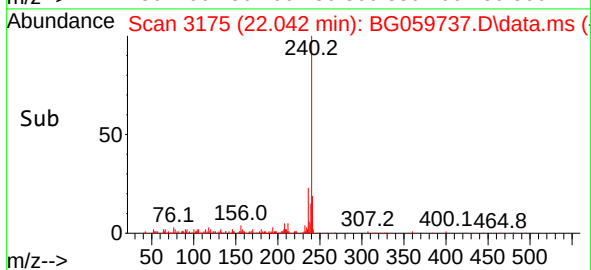
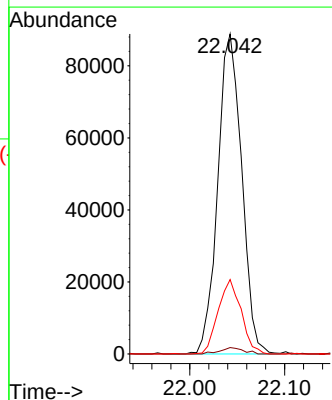
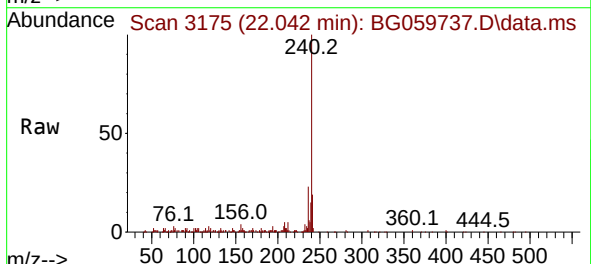


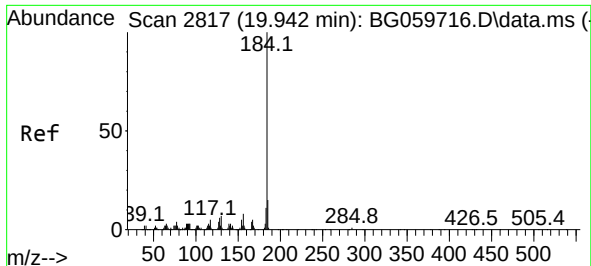
Tgt Ion:248 Resp: 9095  
Ion Ratio Lower Upper  
248 100  
250 169.2 75.2 112.8#  
141 747.1 91.5 137.3#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 22.042 min Scan# 3175  
Delta R.T. -0.008 min  
Lab File: BG059737.D  
Acq: 17 Nov 2023 19:32

Tgt Ion:240 Resp: 155895  
Ion Ratio Lower Upper  
240 100  
120 2.0 2.2 3.2#  
236 23.3 19.4 29.2

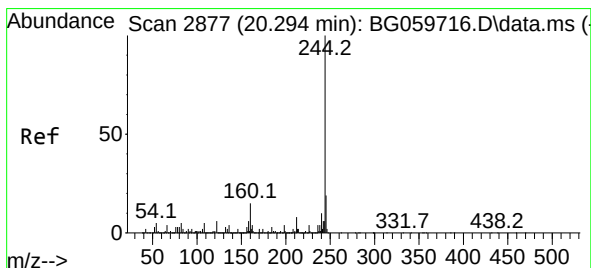
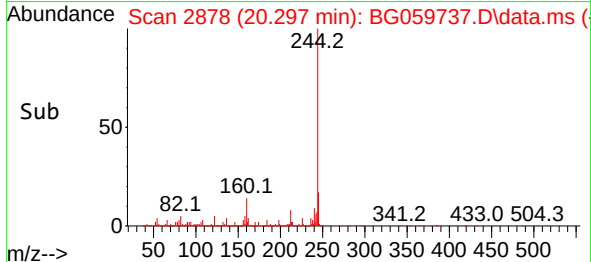
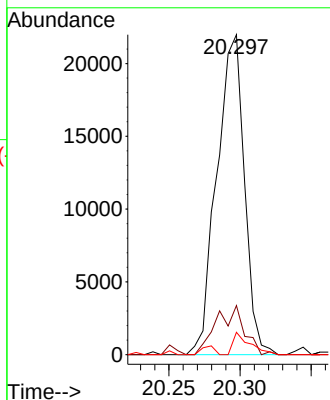
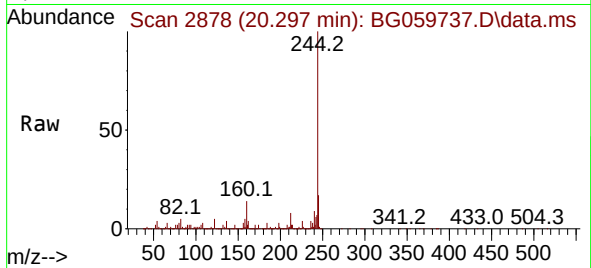




#77  
Benzidine  
Concen: 8.394 ng  
RT: 20.297 min Scan# 2817  
Delta R.T. 0.356 min  
Lab File: BG059737.D  
Acq: 17 Nov 2023 19:32

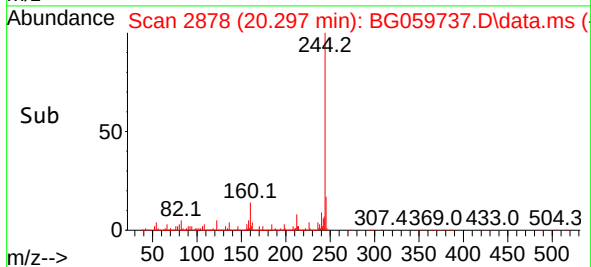
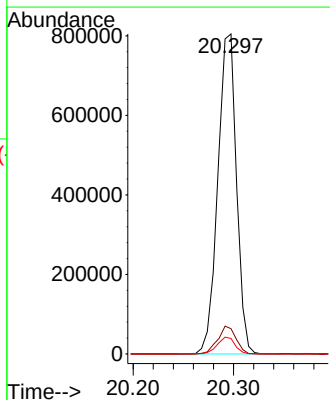
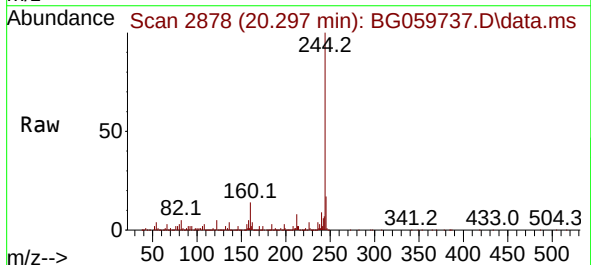
Instrument :  
BNA\_G  
ClientSampleId :

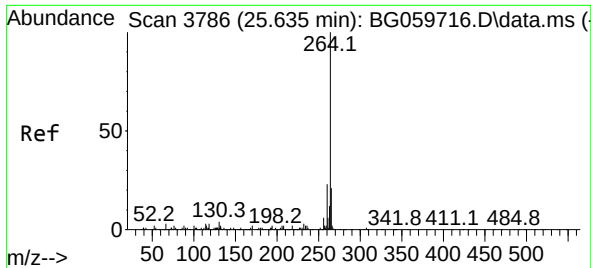
Tgt Ion:184 Resp: 29673  
Ion Ratio Lower Upper  
184 100  
185 15.3 12.2 18.2  
183 7.0 8.8 13.2#



#79  
Terphenyl-d14  
Concen: 98.192 ng  
RT: 20.297 min Scan# 2878  
Delta R.T. 0.003 min  
Lab File: BG059737.D  
Acq: 17 Nov 2023 19:32

Tgt Ion:244 Resp: 1036928  
Ion Ratio Lower Upper  
244 100  
212 7.9 6.6 10.0  
122 4.8 4.4 6.6





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 25.626 min Scan# 31  
 Delta R.T. -0.008 min  
 Lab File: BG059737.D  
 Acq: 17 Nov 2023 19:32

Instrument :  
 BNA\_G  
 ClientSampleId :

Tgt Ion:264 Resp: 213548  
 Ion Ratio Lower Upper  
 264 100  
 260 26.8 18.5 27.7  
 265 15.7 17.0 25.6#

