

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG082223\  
 Data File : BG058804.D  
 Acq On : 22 Aug 2023 11:37  
 Operator : MA/JU  
 Sample : 04090-01  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Aug 22 12:12:09 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG081823.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 21 01:40:57 2023  
 Response via : Initial Calibration

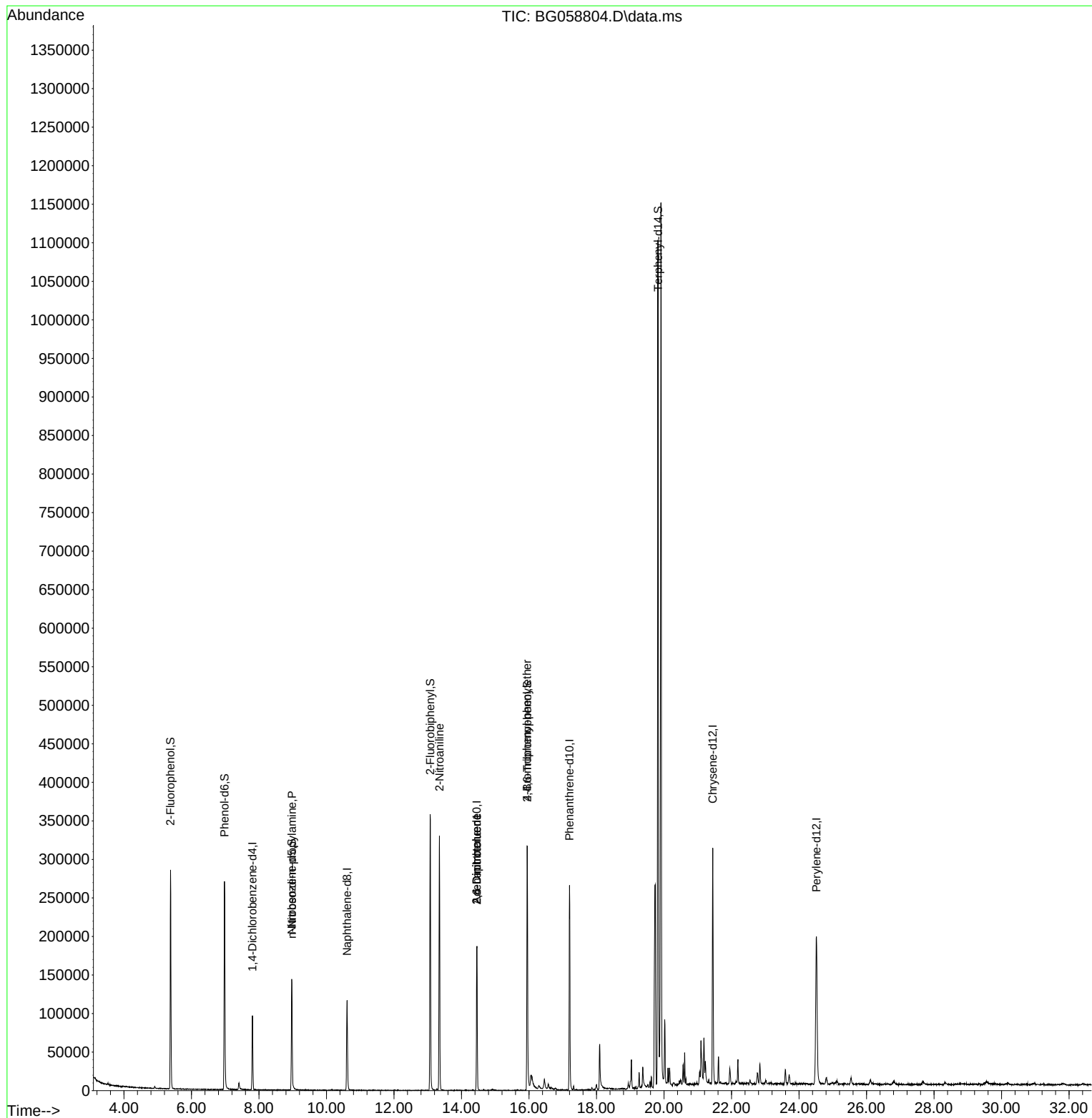
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.806  | 152  | 25849    | 20.000 | ng     | 0.00     |
| 21) Naphthalene-d8            | 10.609 | 136  | 106412   | 20.000 | ng     | 0.00     |
| 39) Acenaphthene-d10          | 14.451 | 164  | 73310    | 20.000 | ng     | 0.00     |
| 64) Phenanthrene-d10          | 17.201 | 188  | 190442   | 20.000 | ng     | 0.00     |
| 76) Chrysene-d12              | 21.443 | 240  | 186433   | 20.000 | ng     | 0.00     |
| 86) Perylene-d12              | 24.516 | 264  | 235040   | 20.000 | ng     | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 5) 2-Fluorophenol             | 5.379  | 112  | 115061   | 71.633 | ng     | 0.00     |
| 7) Phenol-d6                  | 6.978  | 99   | 155694   | 69.086 | ng     | 0.00     |
| 23) Nitrobenzene-d5           | 8.969  | 82   | 92876    | 41.962 | ng     | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.949 | 330  | 81803    | 71.165 | ng     | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.076 | 172  | 209779   | 41.620 | ng     | 0.00     |
| 79) Terphenyl-d14             | 19.821 | 244  | 411861   | 39.668 | ng     | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 19) n-Nitroso-di-n-propyla... | 8.975  | 70   | 12062    | 8.280  | ng     | # 66     |
| 48) 2-Nitroaniline            | 13.347 | 65   | 5903     | 3.949  | ng     | # 17     |
| 51) 2,6-Dinitrotoluene        | 14.451 | 165  | 9397     | 7.880  | ng     | # 22     |
| 57) 2,4-Dinitrotoluene        | 14.451 | 165  | 9397     | 5.650  | ng     | # 19     |
| 67) 4-Bromophenyl-phenylether | 15.944 | 248  | 5090     | 2.436  | ng     | # 1      |
| -----                         |        |      |          |        |        |          |

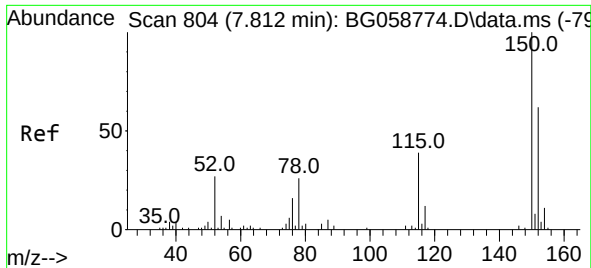
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG082223\  
Data File : BG058804.D  
Acq On : 22 Aug 2023 11:37  
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ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :

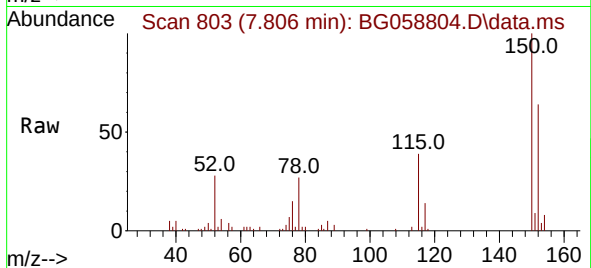
Quant Time: Aug 22 12:12:09 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG081823.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Aug 21 01:40:57 2023  
Response via : Initial Calibration



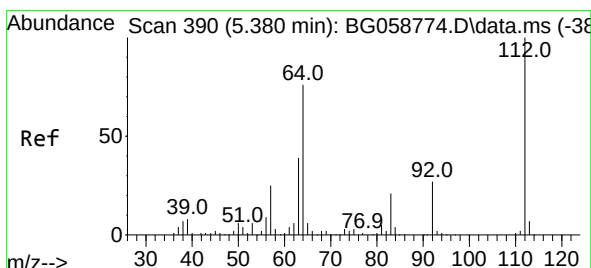
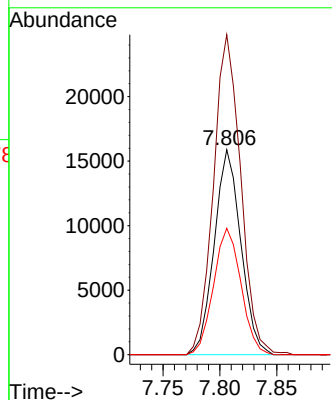
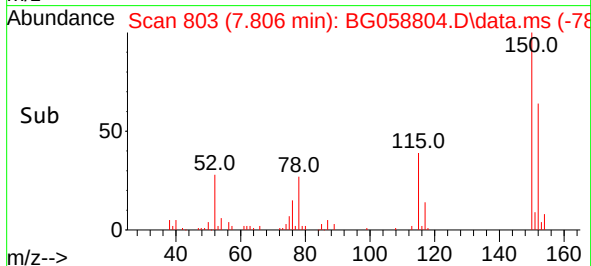


#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.806 min Scan# 804  
Delta R.T. -0.006 min  
Lab File: BG058804.D  
Acq: 22 Aug 2023 11:37

Instrument :  
BNA\_G  
ClientSampleId :

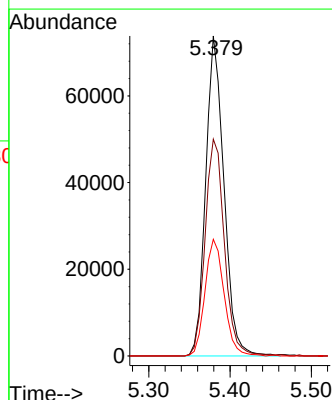
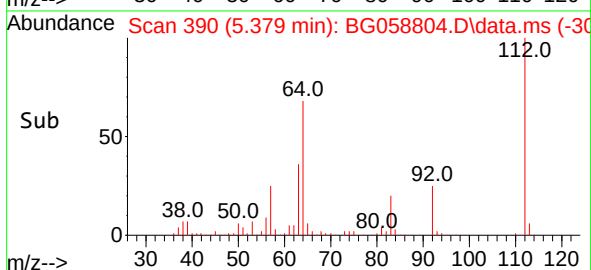
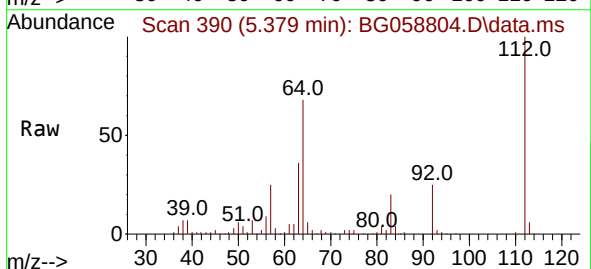


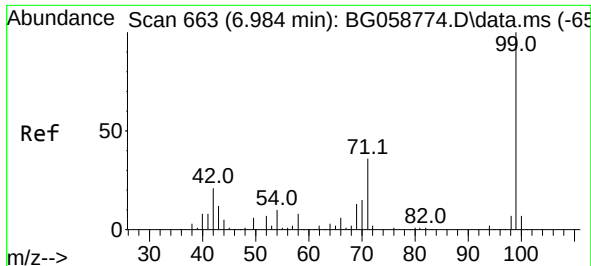
Tgt Ion:152 Resp: 25849  
Ion Ratio Lower Upper  
152 100  
150 156.1 128.6 192.8  
115 61.7 50.4 75.6



#5  
2-Fluorophenol  
Concen: 71.633 ng  
RT: 5.379 min Scan# 390  
Delta R.T. -0.001 min  
Lab File: BG058804.D  
Acq: 22 Aug 2023 11:37

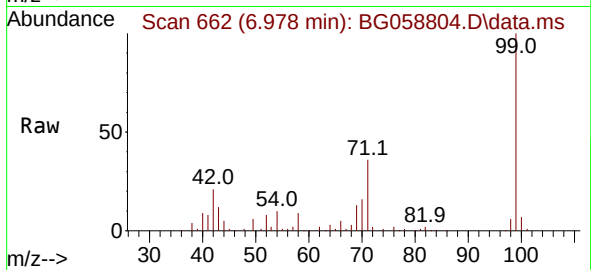
Tgt Ion:112 Resp: 115061  
Ion Ratio Lower Upper  
112 100  
64 67.8 60.6 90.8  
63 36.5 31.0 46.4



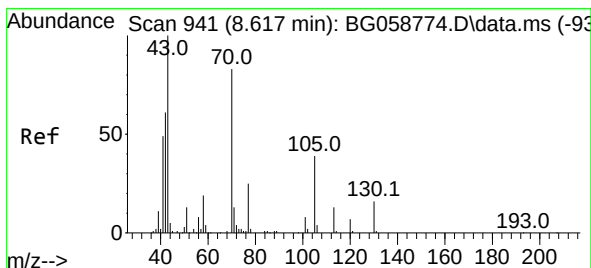
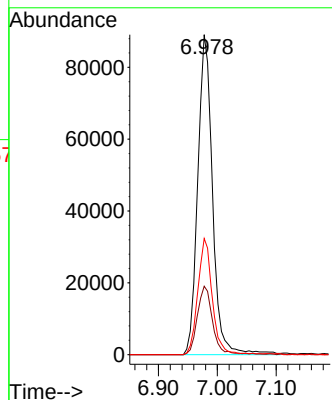
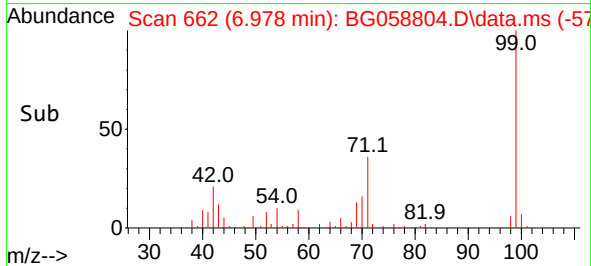


#7  
Phenol-d6  
Concen: 69.086 ng  
RT: 6.978 min Scan# 60  
Delta R.T. -0.006 min  
Lab File: BG058804.D  
Acq: 22 Aug 2023 11:37

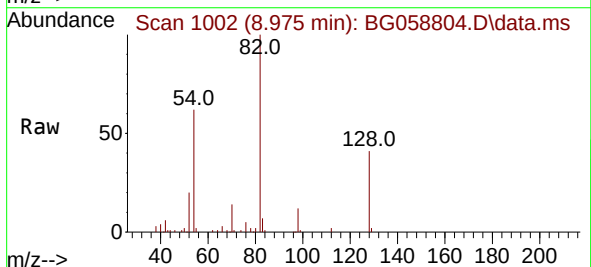
Instrument :  
BNA\_G  
ClientSampleId :



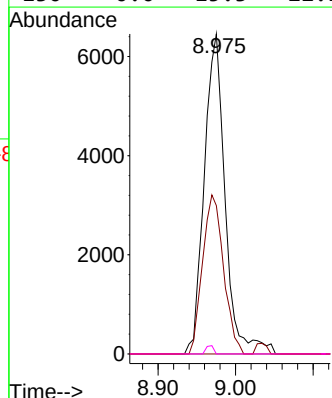
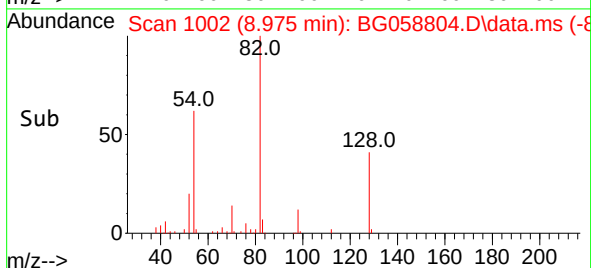
Tgt Ion: 99 Resp: 155694  
Ion Ratio Lower Upper  
99 100  
42 21.4 16.5 24.7  
71 36.3 28.4 42.6

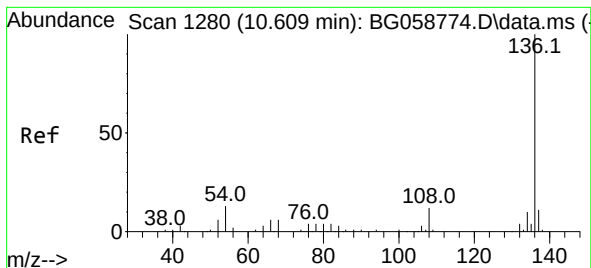


#19  
n-Nitroso-di-n-propylamine  
Concen: 8.280 ng  
RT: 8.975 min Scan# 1002  
Delta R.T. 0.358 min  
Lab File: BG058804.D  
Acq: 22 Aug 2023 11:37



Tgt Ion: 70 Resp: 12062  
Ion Ratio Lower Upper  
70 100  
42 46.3 59.2 88.8#  
101 0.0 8.2 12.2#  
130 0.0 15.3 22.9#

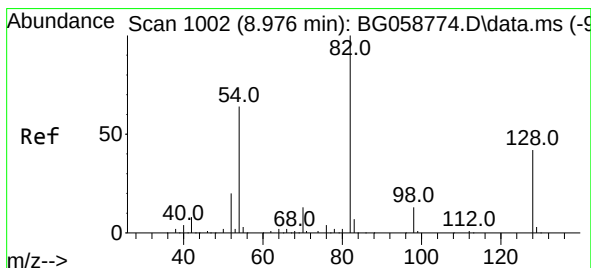
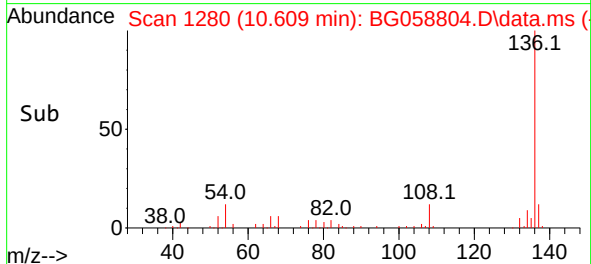
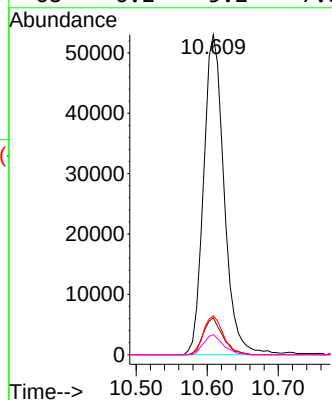
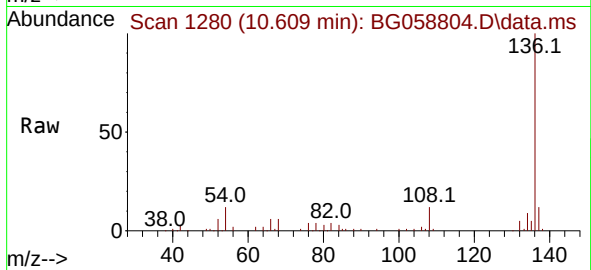




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.609 min Scan# 11  
Delta R.T. -0.001 min  
Lab File: BG058804.D  
Acq: 22 Aug 2023 11:37

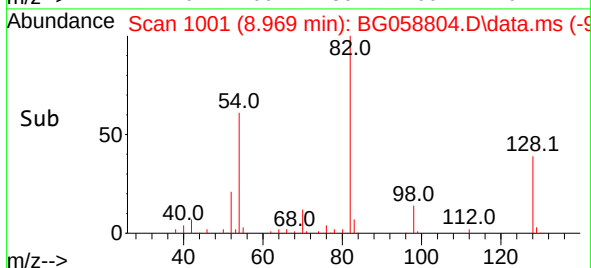
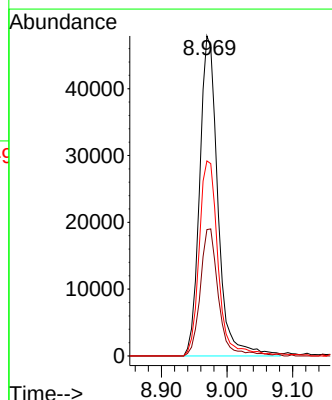
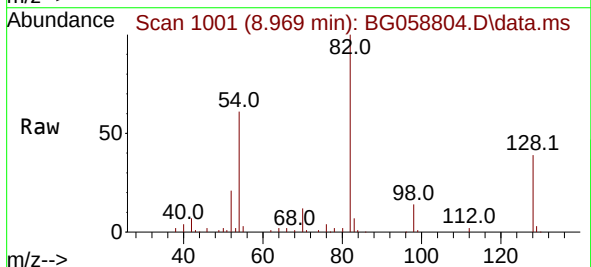
Instrument :  
BNA\_G  
ClientSampleId :

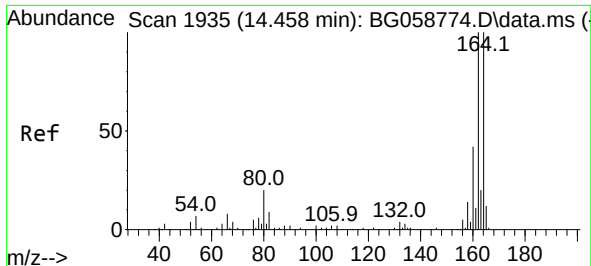
Tgt Ion:136 Resp: 106412  
Ion Ratio Lower Upper  
136 100  
137 11.6 8.7 13.1  
54 12.1 10.1 15.1  
68 6.2 5.2 7.8



#23  
Nitrobenzene-d5  
Concen: 41.962 ng  
RT: 8.969 min Scan# 1001  
Delta R.T. -0.006 min  
Lab File: BG058804.D  
Acq: 22 Aug 2023 11:37

Tgt Ion: 82 Resp: 92876  
Ion Ratio Lower Upper  
82 100  
128 39.5 33.2 49.8  
54 61.0 51.2 76.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.451 min Scan# 1934

Delta R.T. -0.006 min

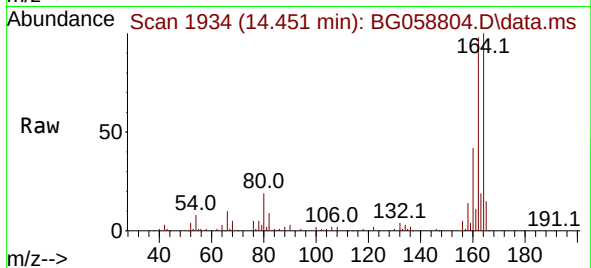
Lab File: BG058804.D

Acq: 22 Aug 2023 11:37

Instrument :

BNA\_G

ClientSampleId :



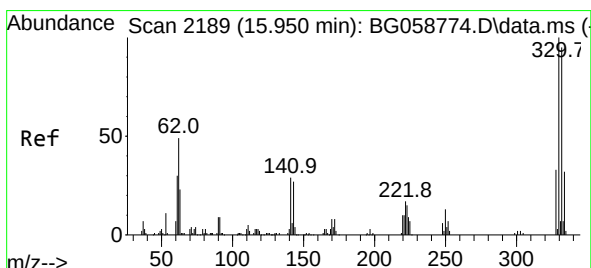
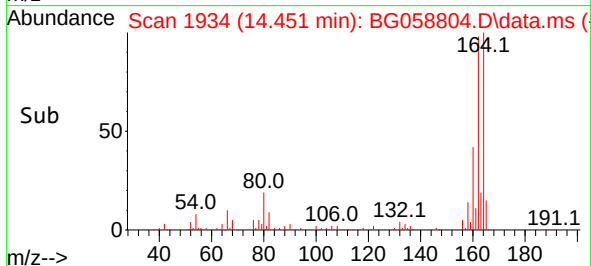
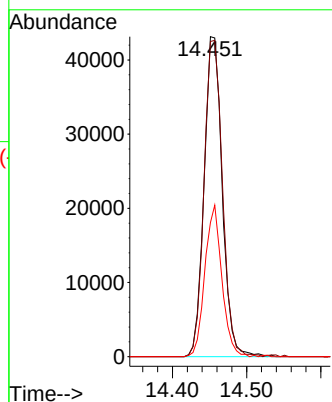
Tgt Ion:164 Resp: 73310

Ion Ratio Lower Upper

164 100

162 98.5 79.6 119.4

160 41.9 34.0 51.0



#42

2,4,6-Tribromophenol

Concen: 71.165 ng

RT: 15.949 min Scan# 2189

Delta R.T. -0.001 min

Lab File: BG058804.D

Acq: 22 Aug 2023 11:37

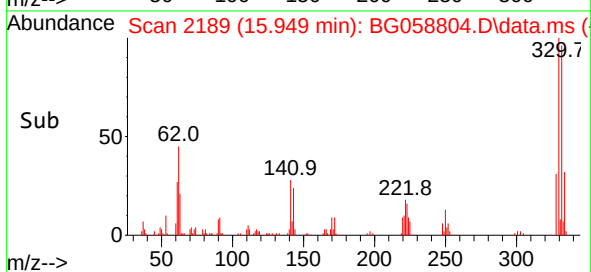
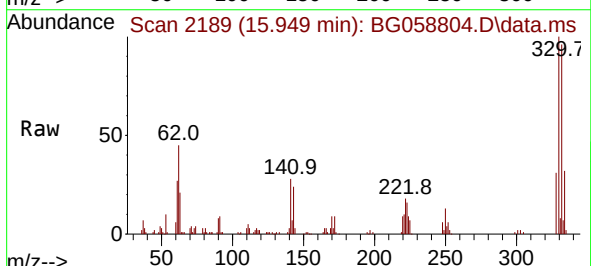
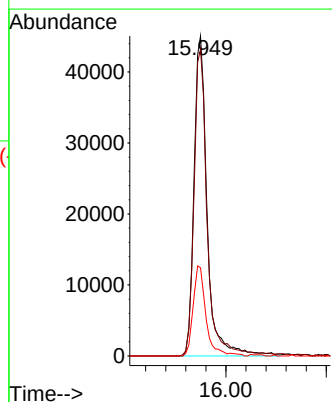
Tgt Ion:330 Resp: 81803

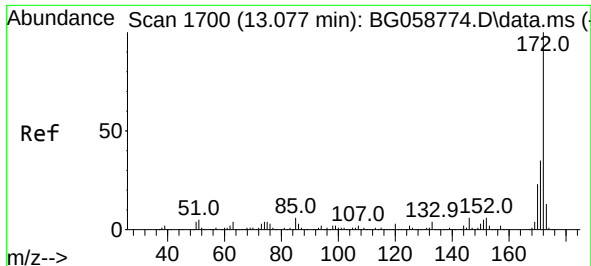
Ion Ratio Lower Upper

330 100

332 94.8 78.5 117.7

141 27.5 23.0 34.6

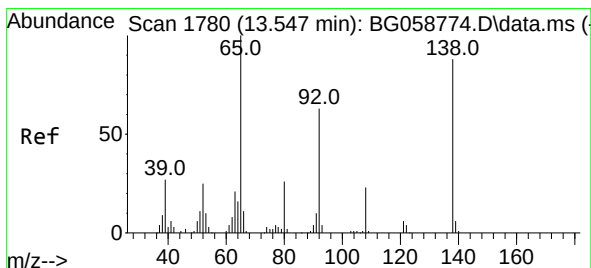
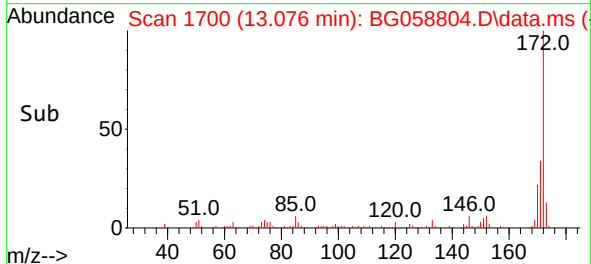
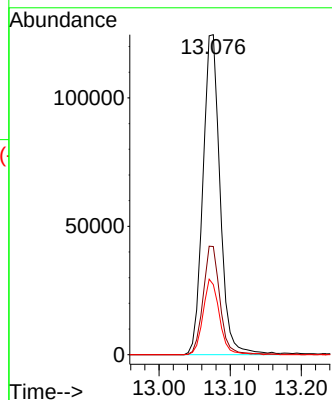
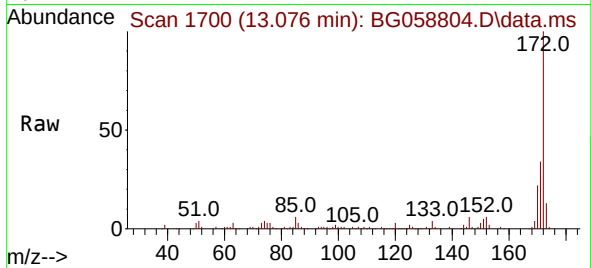




#45  
2-Fluorobiphenyl  
Concen: 41.620 ng  
RT: 13.076 min Scan# 1700  
Delta R.T. -0.001 min  
Lab File: BG058804.D  
Acq: 22 Aug 2023 11:37

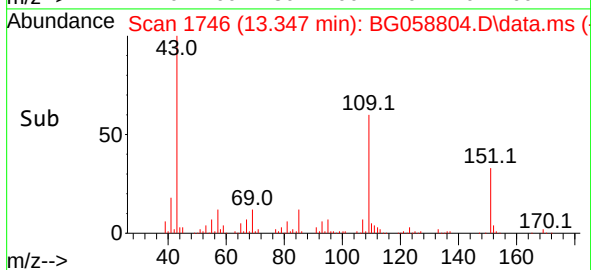
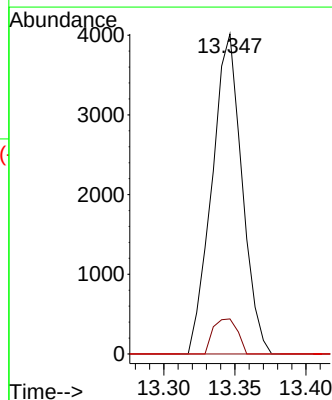
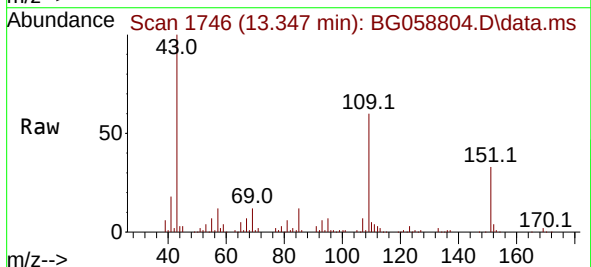
Instrument :  
BNA\_G  
ClientSampleId :

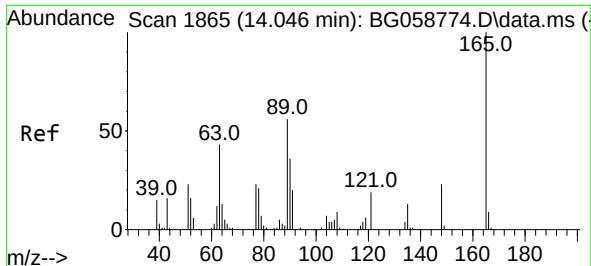
Tgt Ion:172 Resp: 209779  
Ion Ratio Lower Upper  
172 100  
171 33.8 28.1 42.1  
170 21.9 18.6 27.8



#48  
2-Nitroaniline  
Concen: 3.949 ng  
RT: 13.347 min Scan# 1746  
Delta R.T. -0.200 min  
Lab File: BG058804.D  
Acq: 22 Aug 2023 11:37

Tgt Ion: 65 Resp: 5903  
Ion Ratio Lower Upper  
65 100  
92 11.0 50.7 76.1#  
138 0.0 70.7 106.1#

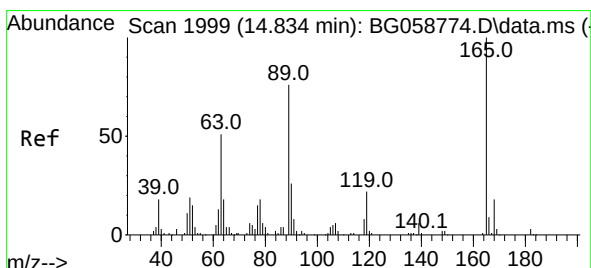
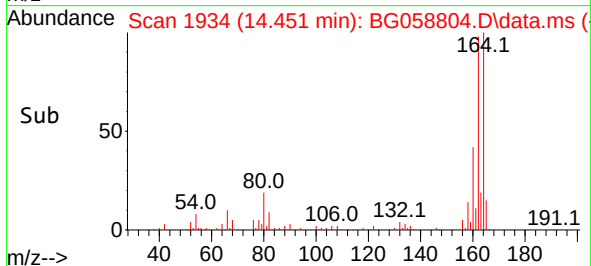
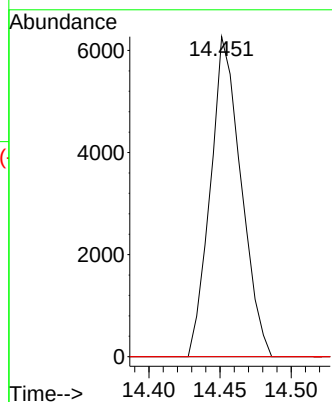
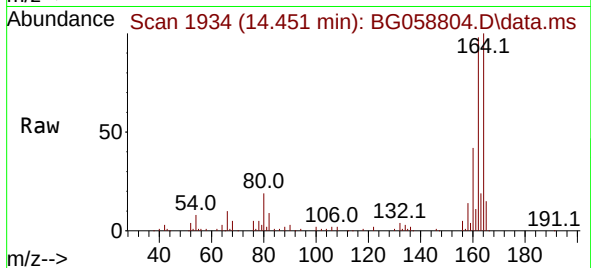




#51  
2,6-Dinitrotoluene  
Concen: 7.880 ng  
RT: 14.451 min Scan# 1934  
Delta R.T. 0.405 min  
Lab File: BG058804.D  
Acq: 22 Aug 2023 11:37

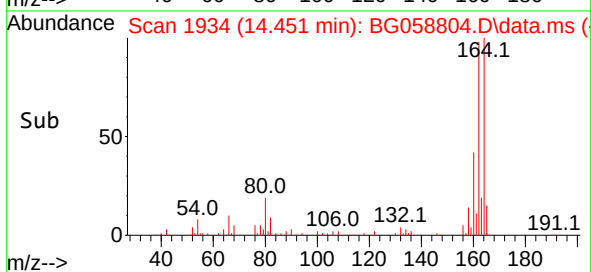
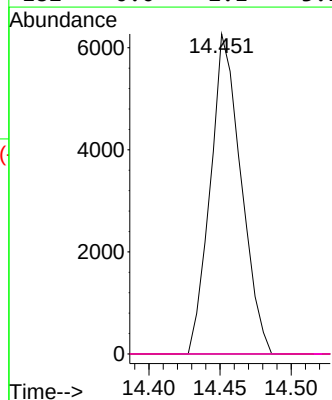
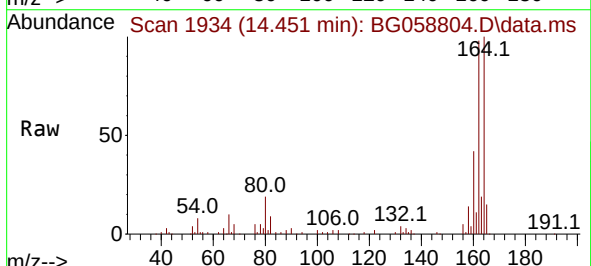
Instrument :  
BNA\_G  
ClientSampleId :

Tgt Ion:165 Resp: 9397  
Ion Ratio Lower Upper  
165 100  
63 0.0 47.2 70.8#  
89 0.0 45.0 67.4#

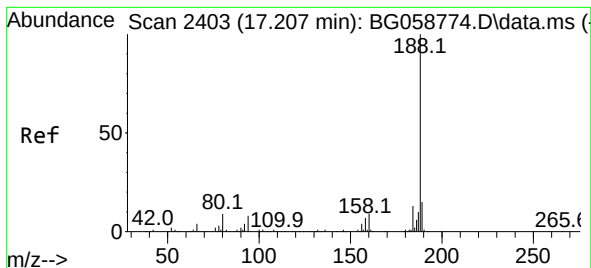


#57  
2,4-Dinitrotoluene  
Concen: 5.650 ng  
RT: 14.451 min Scan# 1934  
Delta R.T. -0.382 min  
Lab File: BG058804.D  
Acq: 22 Aug 2023 11:37

Tgt Ion:165 Resp: 9397  
Ion Ratio Lower Upper  
165 100  
63 0.0 41.8 62.6#  
89 0.0 60.7 91.1#  
182 0.0 2.1 3.1#







#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.201 min Scan# 24

Delta R.T. -0.006 min

Lab File: BG058804.D

Acq: 22 Aug 2023 11:37

Instrument :

BNA\_G

ClientSampleId :

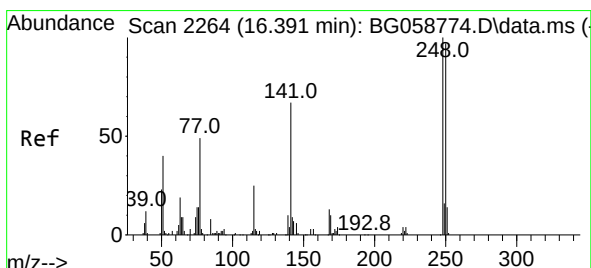
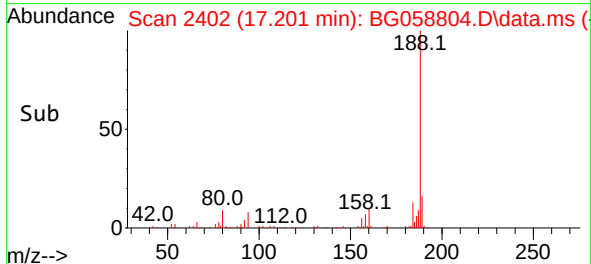
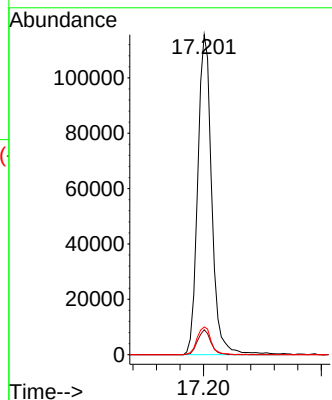
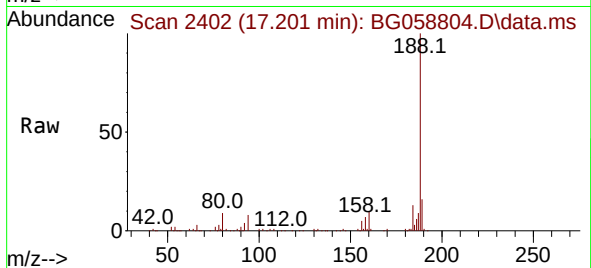
Tgt Ion:188 Resp: 190442

Ion Ratio Lower Upper

188 100

94 7.8 6.1 9.1

80 8.6 6.9 10.3



#67

4-Bromophenyl-phenylether

Concen: 2.436 ng

RT: 15.944 min Scan# 2188

Delta R.T. -0.447 min

Lab File: BG058804.D

Acq: 22 Aug 2023 11:37

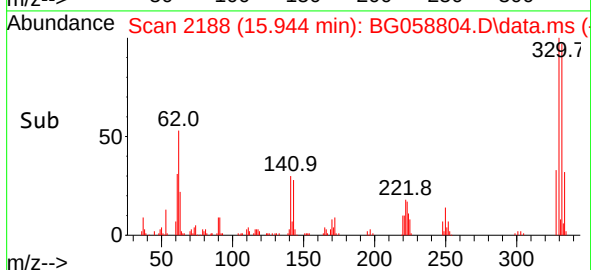
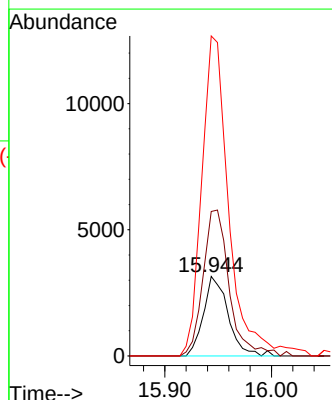
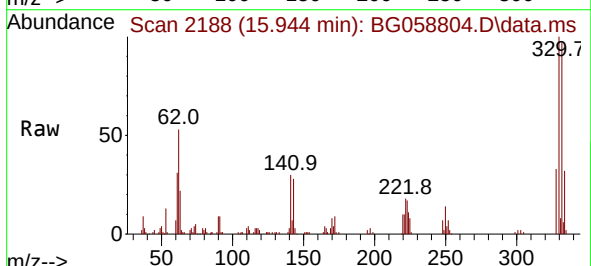
Tgt Ion:248 Resp: 5090

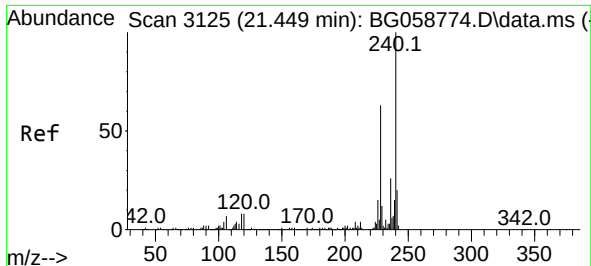
Ion Ratio Lower Upper

248 100

250 181.8 77.7 116.5#

141 402.5 53.6 80.4#

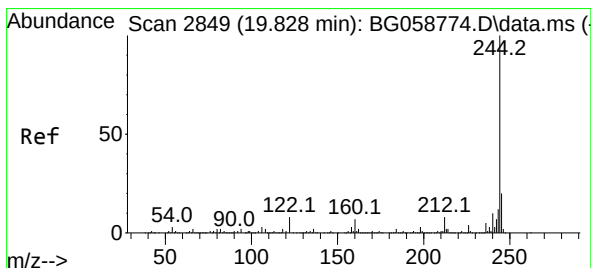
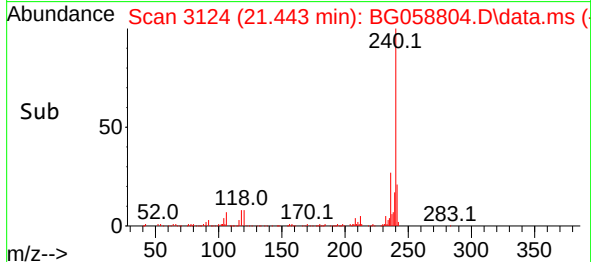
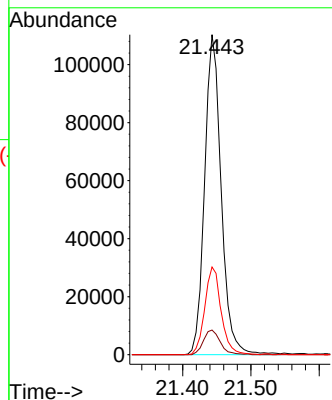
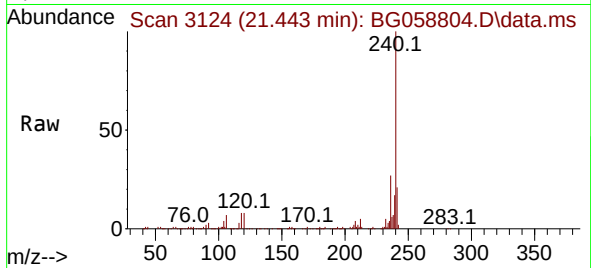




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.443 min Scan# 3125  
Delta R.T. -0.006 min  
Lab File: BG058804.D  
Acq: 22 Aug 2023 11:37

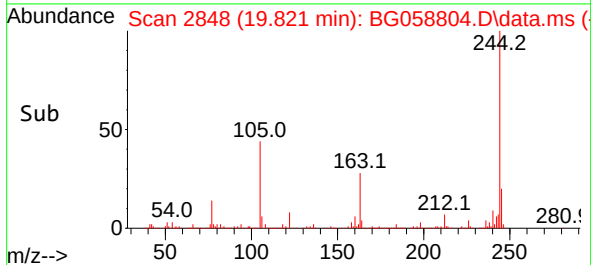
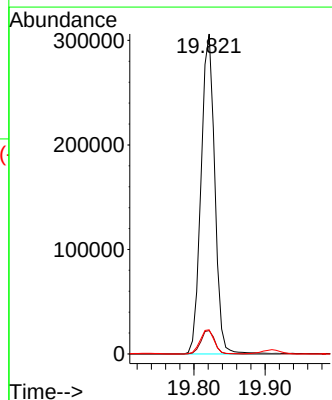
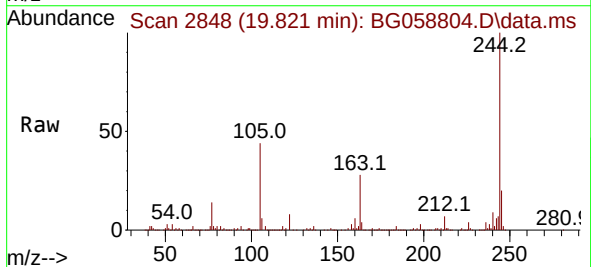
Instrument :  
BNA\_G  
ClientSampleId :

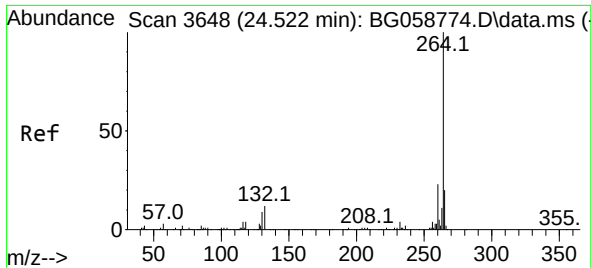
Tgt Ion:240 Resp: 186433  
Ion Ratio Lower Upper  
240 100  
120 7.7 6.2 9.2  
236 27.4 20.5 30.7



#79  
Terphenyl-d14  
Concen: 39.668 ng  
RT: 19.821 min Scan# 2848  
Delta R.T. -0.006 min  
Lab File: BG058804.D  
Acq: 22 Aug 2023 11:37

Tgt Ion:244 Resp: 411861  
Ion Ratio Lower Upper  
244 100  
212 7.3 6.2 9.2  
122 7.5 6.3 9.5





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.516 min Scan# 30  
 Delta R.T. -0.006 min  
 Lab File: BG058804.D  
 Acq: 22 Aug 2023 11:37

Instrument :  
 BNA\_G  
 ClientSampleId :

Tgt Ion:264 Resp: 235040  
 Ion Ratio Lower Upper  
 264 100  
 260 23.2 18.2 27.2  
 265 21.2 16.4 24.6

