

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG082423\  
 Data File : BG058844.D  
 Acq On : 24 Aug 2023 18:41  
 Operator : MA/JU  
 Sample : 04091-11  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-E

Quant Time: Aug 25 02:58:41 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

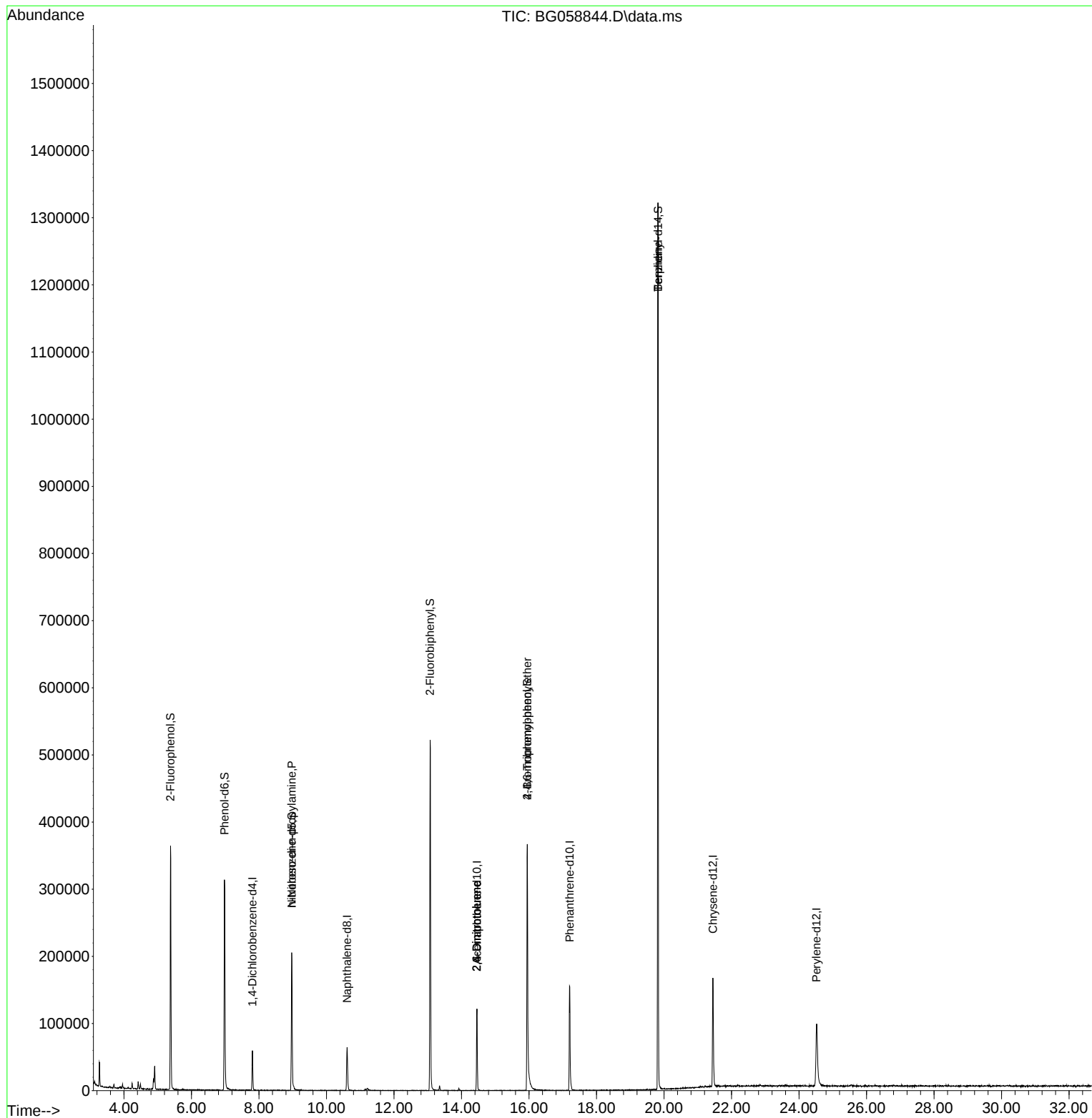
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.805  | 152  | 16214    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.608 | 136  | 66120    | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.456 | 164  | 48772    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.206 | 188  | 127397   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.448 | 240  | 118571   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 24.515 | 264  | 140523   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.379  | 112  | 147214   | 146.112 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.977  | 99   | 178427   | 126.222 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.969  | 82   | 130438   | 94.845  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.949 | 330  | 104488   | 136.633 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.070 | 172  | 310547   | 92.610  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.821 | 244  | 683077   | 103.442 | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 8.969  | 70   | 17231    | 18.857  | ng    | # 71     |
| 51) 2,6-Dinitrotoluene        | 14.450 | 165  | 6015     | 7.582   | ng    | # 22     |
| 57) 2,4-Dinitrotoluene        | 14.450 | 165  | 6015     | 5.436   | ng    | # 19     |
| 67) 4-Bromophenyl-phenylether | 15.949 | 248  | 6036     | 4.318   | ng    | # 1      |
| 77) Benzidine                 | 19.821 | 184  | 9914     | 4.665   | ng    | # 90     |
| -----                         |        |      |          |         |       |          |

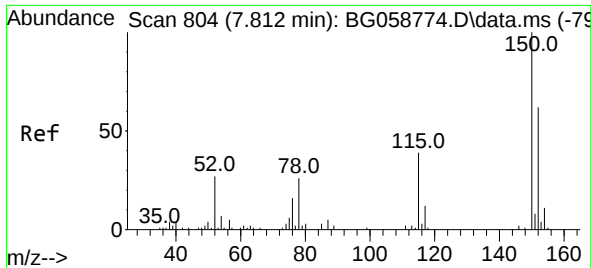
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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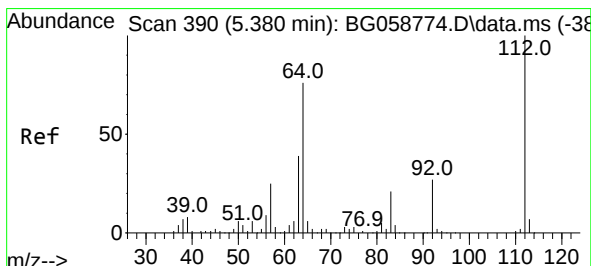
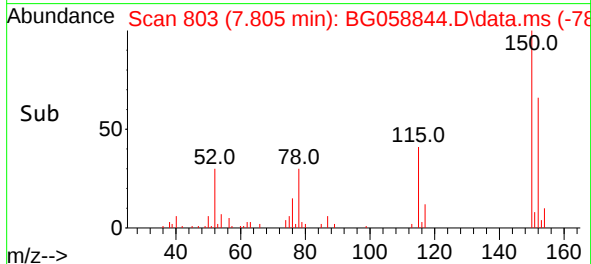
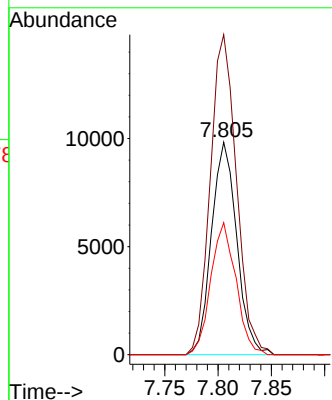
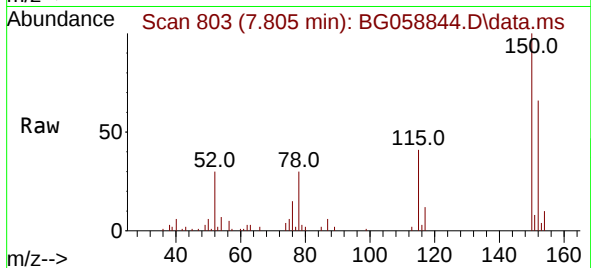




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.805 min Scan# 804  
Delta R.T. -0.007 min  
Lab File: BG058844.D  
Acq: 24 Aug 2023 18:41

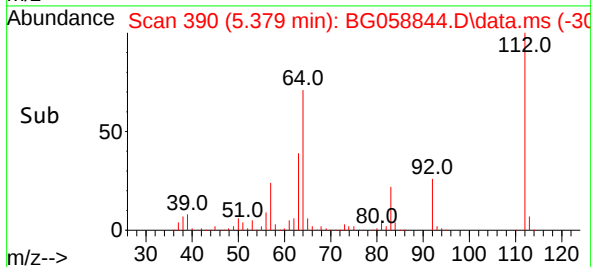
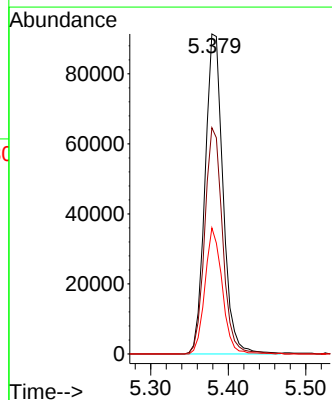
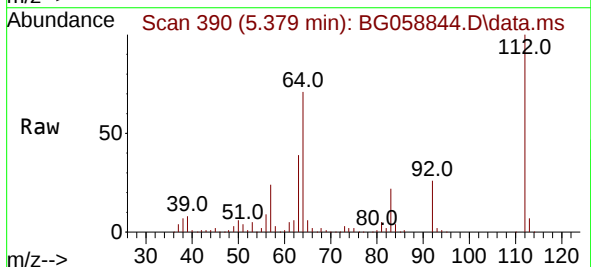
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BNA\_G  
ClientSampleId :  
TP-E

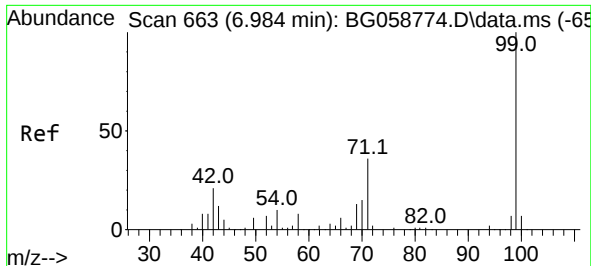
Tgt Ion:152 Resp: 16214  
Ion Ratio Lower Upper  
152 100  
150 150.6 128.6 192.8  
115 62.1 50.4 75.6



#5  
2-Fluorophenol  
Concen: 146.112 ng  
RT: 5.379 min Scan# 390  
Delta R.T. -0.001 min  
Lab File: BG058844.D  
Acq: 24 Aug 2023 18:41

Tgt Ion:112 Resp: 147214  
Ion Ratio Lower Upper  
112 100  
64 70.7 60.6 90.8  
63 39.4 31.0 46.4

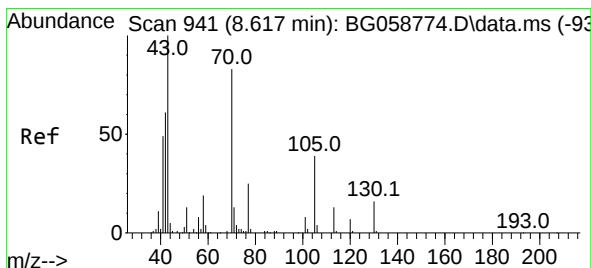
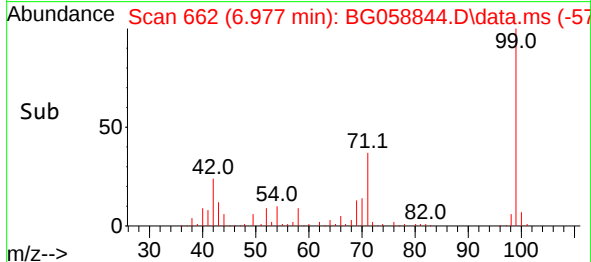
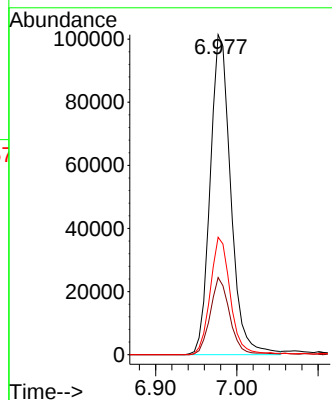
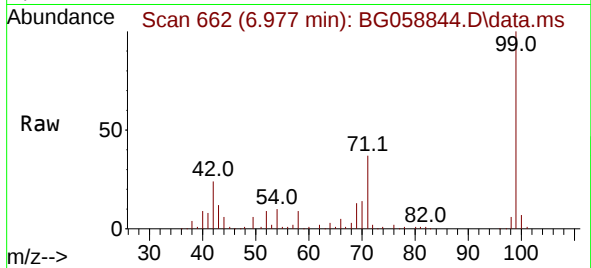




#7  
Phenol-d6  
Concen: 126.222 ng  
RT: 6.977 min Scan# 60  
Delta R.T. -0.007 min  
Lab File: BG058844.D  
Acq: 24 Aug 2023 18:41

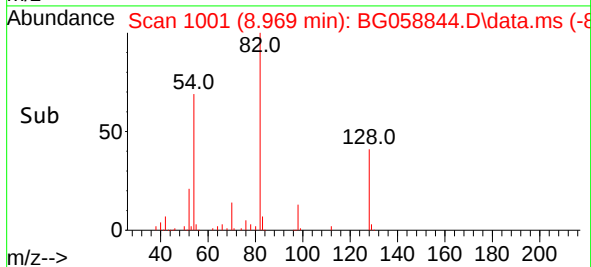
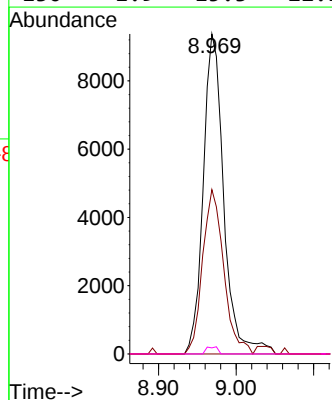
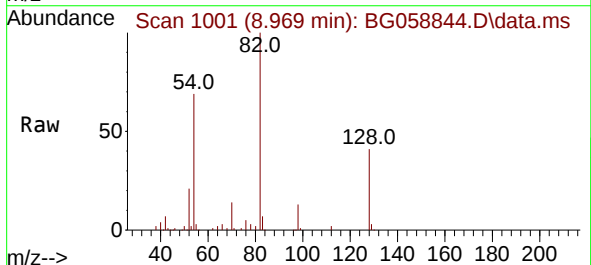
Instrument :  
BNA\_G  
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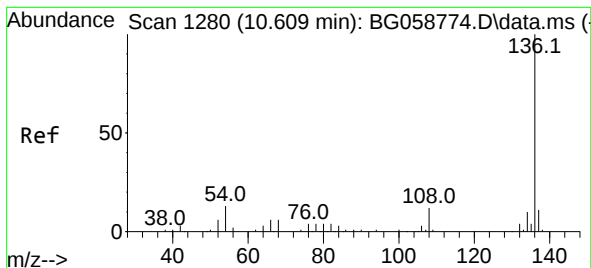
Tgt Ion: 99 Resp: 178427  
Ion Ratio Lower Upper  
99 100  
42 24.1 16.5 24.7  
71 36.7 28.4 42.6



#19  
n-Nitroso-di-n-propylamine  
Concen: 18.857 ng  
RT: 8.969 min Scan# 1001  
Delta R.T. 0.351 min  
Lab File: BG058844.D  
Acq: 24 Aug 2023 18:41

Tgt Ion: 70 Resp: 17231  
Ion Ratio Lower Upper  
70 100  
42 51.4 59.2 88.8#  
101 0.0 8.2 12.2#  
130 1.9 15.3 22.9#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.608 min Scan# 11

Delta R.T. -0.001 min

Lab File: BG058844.D

Acq: 24 Aug 2023 18:41

Instrument :

BNA\_G

ClientSampleId :

TP-E

Tgt Ion:136 Resp: 66120

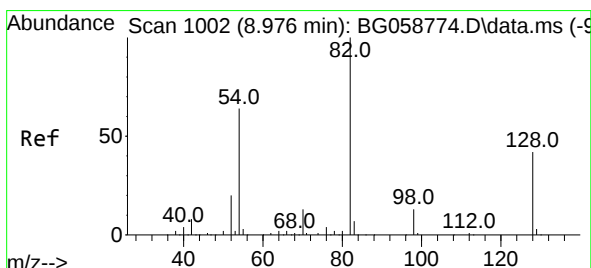
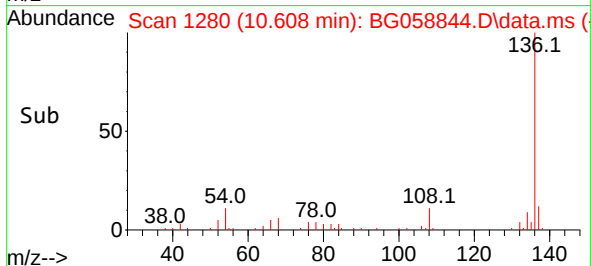
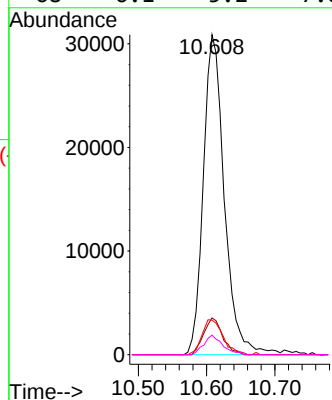
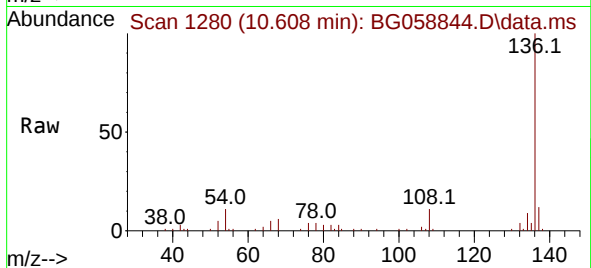
Ion Ratio Lower Upper

136 100

137 11.5 8.7 13.1

54 10.8 10.1 15.1

68 6.1 5.2 7.8



#23

Nitrobenzene-d5

Concen: 94.845 ng

RT: 8.969 min Scan# 1001

Delta R.T. -0.007 min

Lab File: BG058844.D

Acq: 24 Aug 2023 18:41

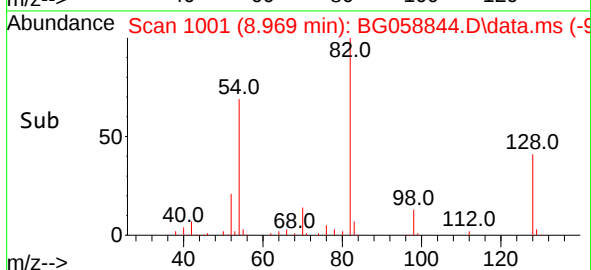
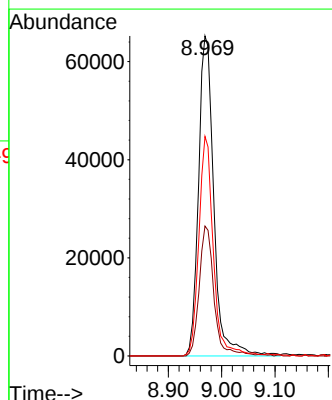
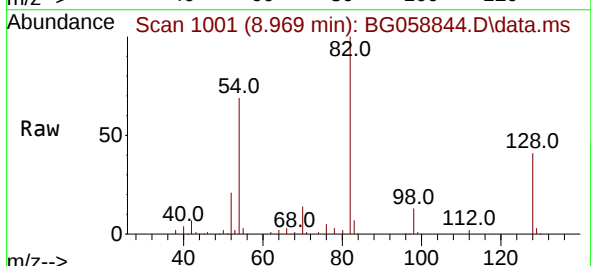
Tgt Ion: 82 Resp: 130438

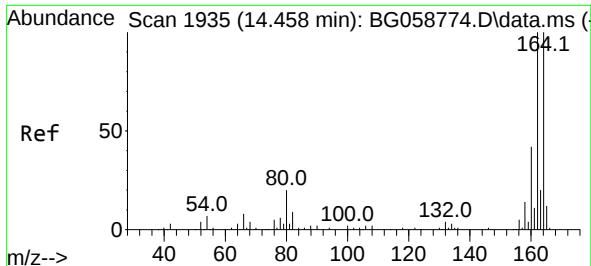
Ion Ratio Lower Upper

82 100

128 40.6 33.2 49.8

54 68.6 51.2 76.8

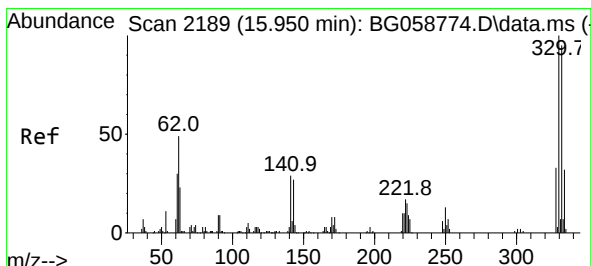
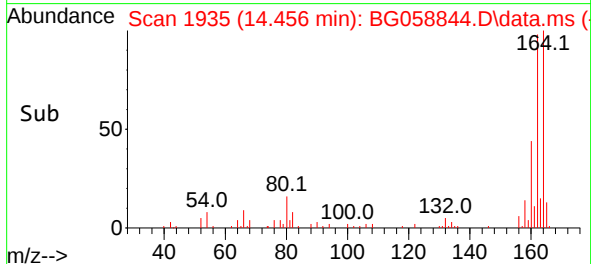
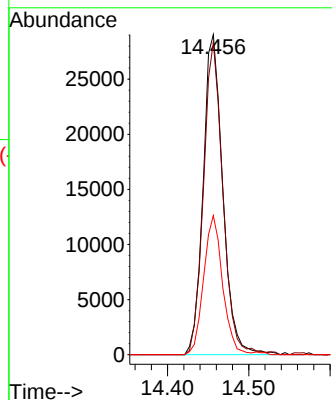
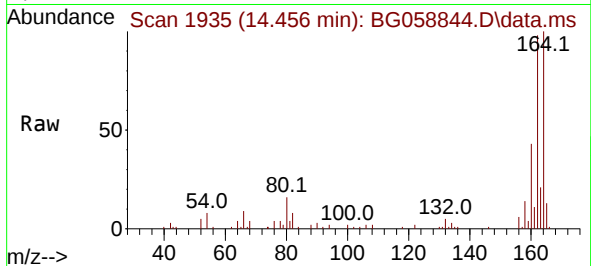




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.456 min Scan# 1935  
Delta R.T. -0.001 min  
Lab File: BG058844.D  
Acq: 24 Aug 2023 18:41

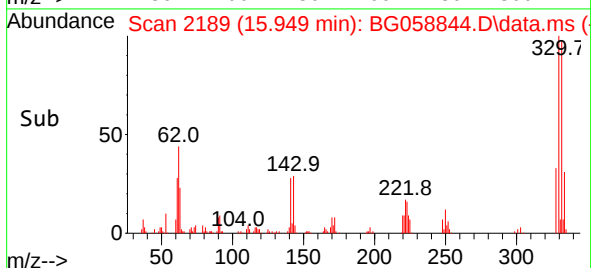
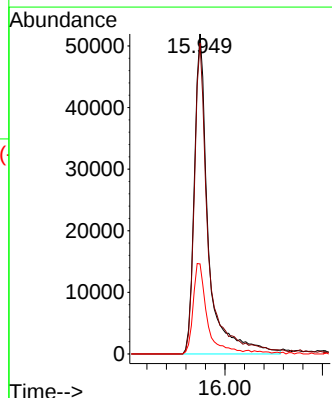
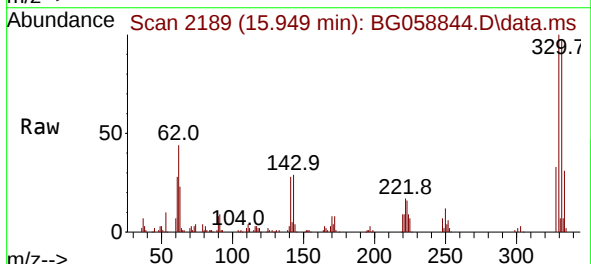
Instrument :  
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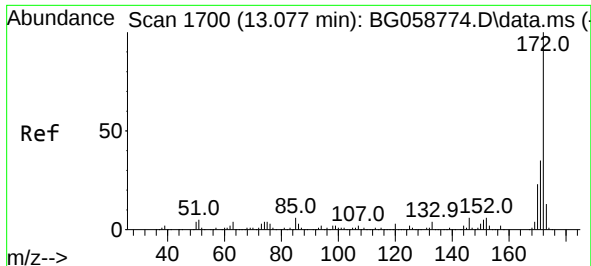
Tgt Ion:164 Resp: 48772  
Ion Ratio Lower Upper  
164 100  
162 97.6 79.6 119.4  
160 43.5 34.0 51.0



#42  
2,4,6-Tribromophenol  
Concen: 136.633 ng  
RT: 15.949 min Scan# 2189  
Delta R.T. -0.001 min  
Lab File: BG058844.D  
Acq: 24 Aug 2023 18:41

Tgt Ion:330 Resp: 104488  
Ion Ratio Lower Upper  
330 100  
332 96.7 78.5 117.7  
141 28.0 23.0 34.6

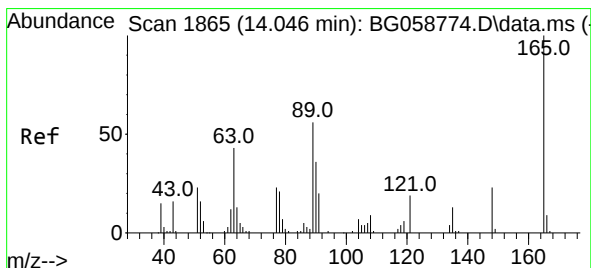
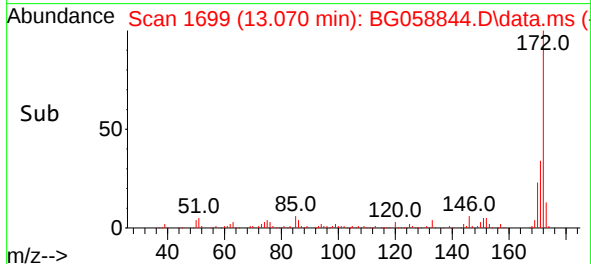
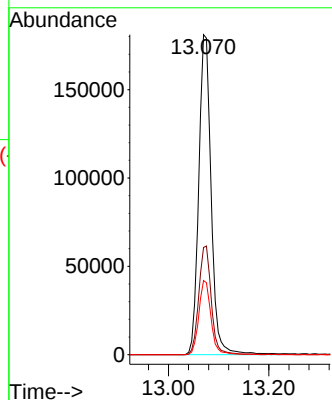
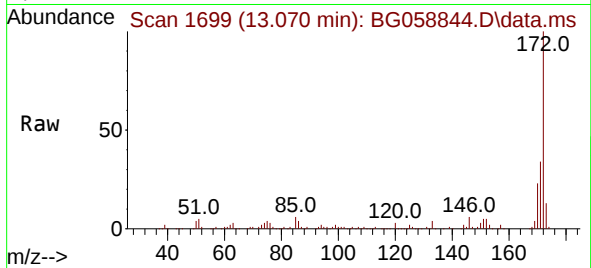




#45  
2-Fluorobiphenyl  
Concen: 92.610 ng  
RT: 13.070 min Scan# 1  
Delta R.T. -0.007 min  
Lab File: BG058844.D  
Acq: 24 Aug 2023 18:41

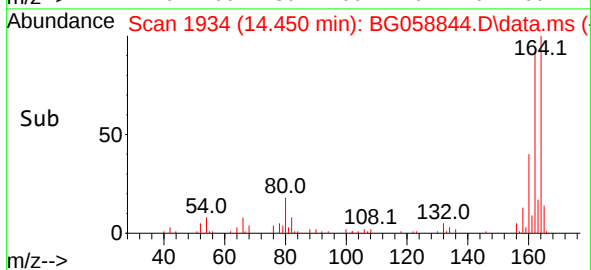
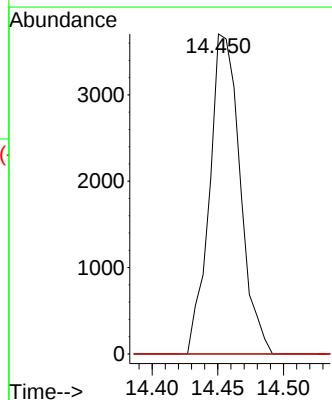
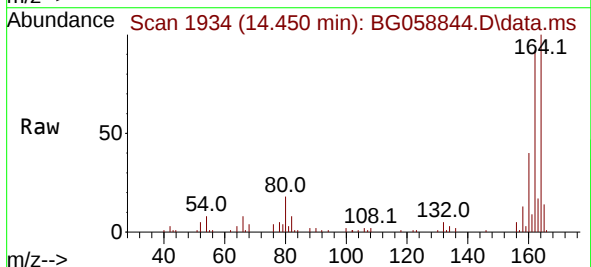
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BNA\_G  
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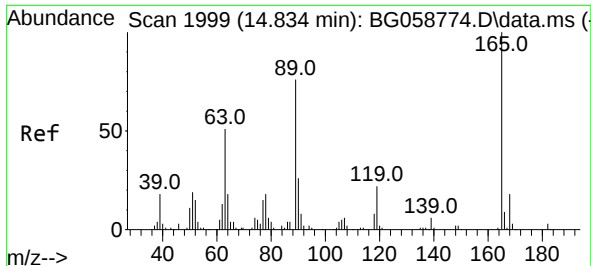
Tgt Ion:172 Resp: 310547  
Ion Ratio Lower Upper  
172 100  
171 33.5 28.1 42.1  
170 23.2 18.6 27.8



#51  
2,6-Dinitrotoluene  
Concen: 7.582 ng  
RT: 14.450 min Scan# 1934  
Delta R.T. 0.404 min  
Lab File: BG058844.D  
Acq: 24 Aug 2023 18:41

Tgt Ion:165 Resp: 6015  
Ion Ratio Lower Upper  
165 100  
63 0.0 47.2 70.8#  
89 0.0 45.0 67.4#

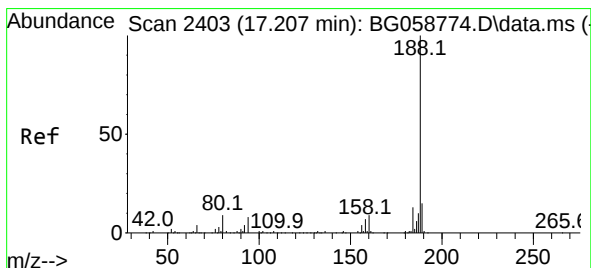
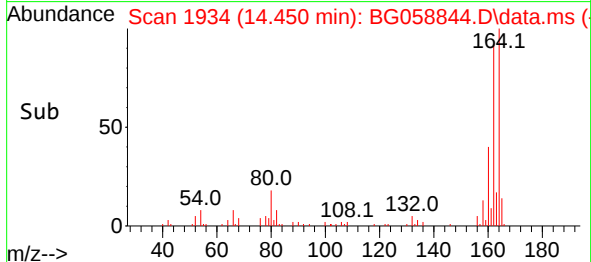
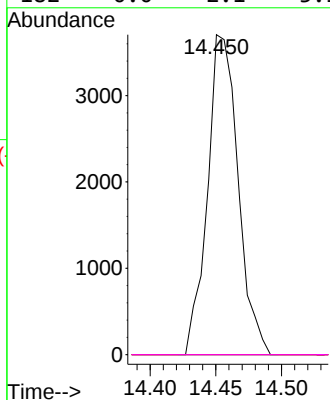
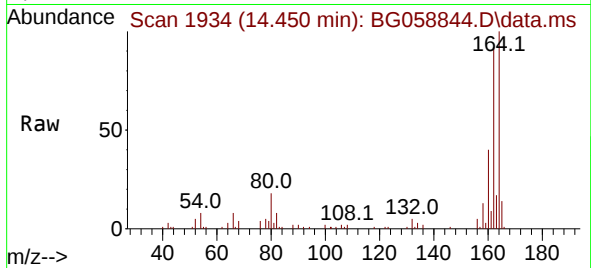




#57  
2,4-Dinitrotoluene  
Concen: 5.436 ng  
RT: 14.450 min Scan# 1999  
Delta R.T. -0.383 min  
Lab File: BG058844.D  
Acq: 24 Aug 2023 18:41

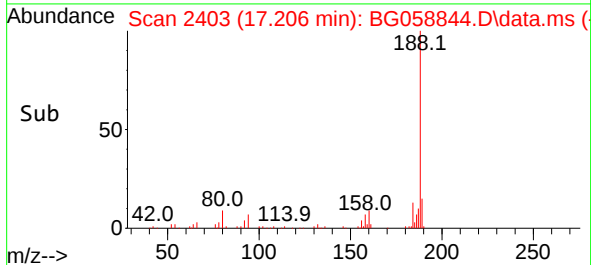
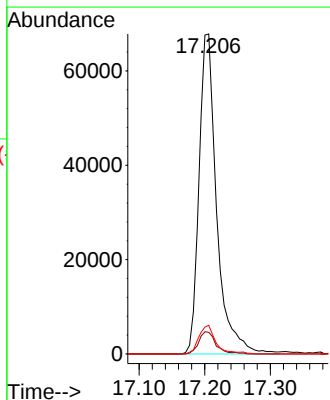
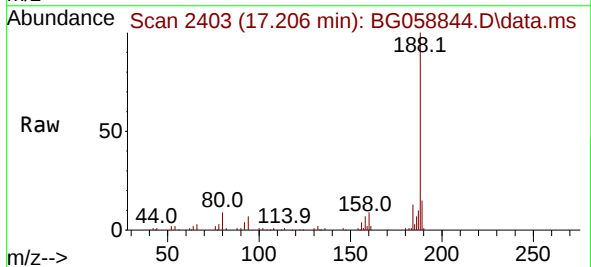
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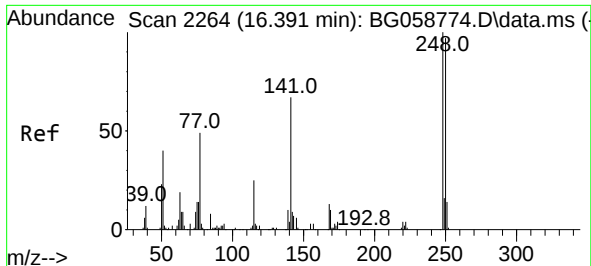
Tgt Ion:165 Resp: 6015  
Ion Ratio Lower Upper  
165 100  
63 0.0 41.8 62.6#  
89 0.0 60.7 91.1#  
182 0.0 2.1 3.1#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.206 min Scan# 2403  
Delta R.T. -0.001 min  
Lab File: BG058844.D  
Acq: 24 Aug 2023 18:41

Tgt Ion:188 Resp: 127397  
Ion Ratio Lower Upper  
188 100  
94 6.8 6.1 9.1  
80 8.9 6.9 10.3

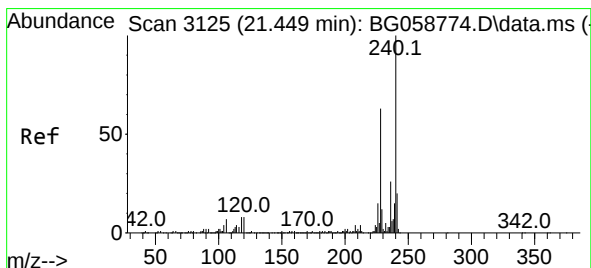
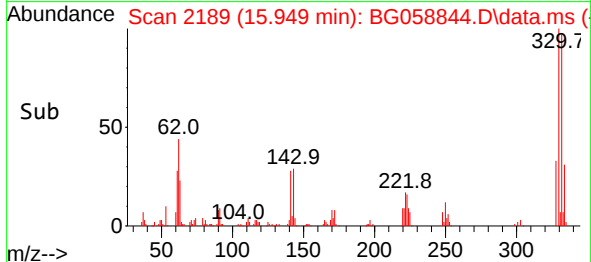
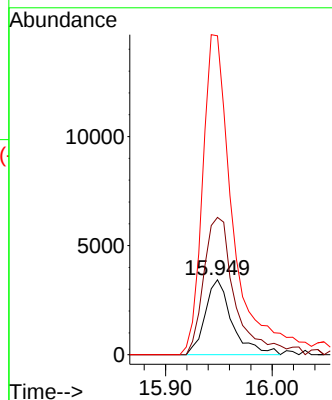
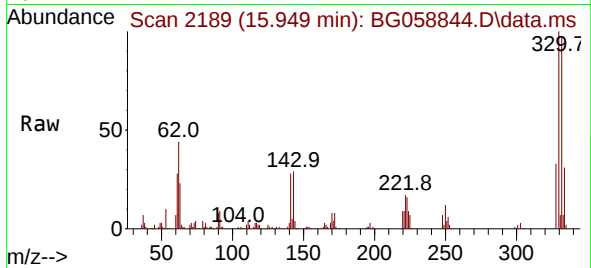




#67  
4-Bromophenyl-phenylether  
Concen: 4.318 ng  
RT: 15.949 min Scan# 2189  
Delta R.T. -0.442 min  
Lab File: BG058844.D  
Acq: 24 Aug 2023 18:41

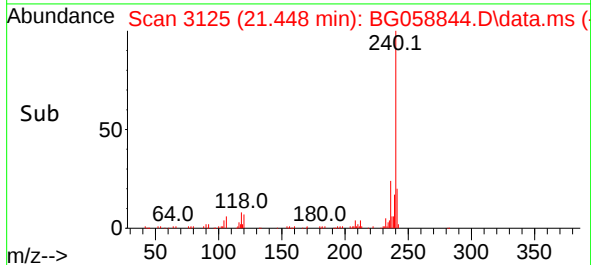
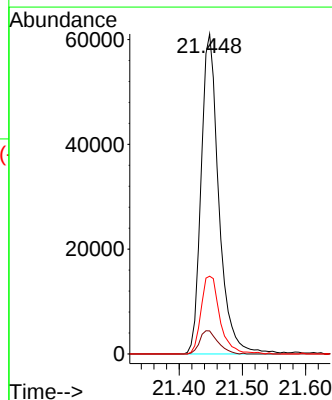
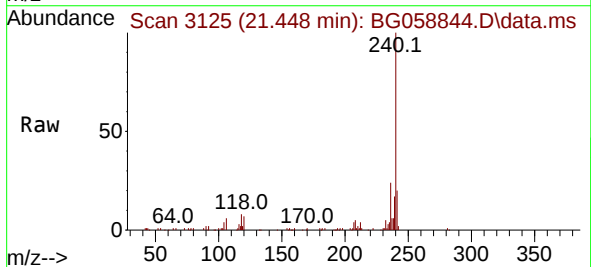
Instrument :  
BNA\_G  
ClientSampleId :  
TP-E

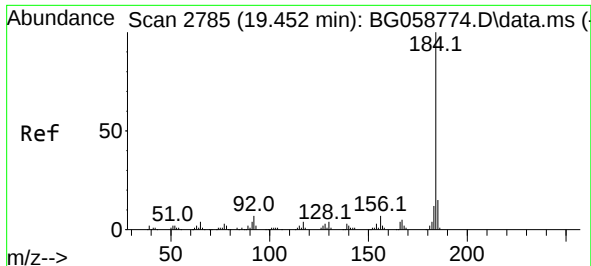
Tgt Ion:248 Resp: 6036  
Ion Ratio Lower Upper  
248 100  
250 183.5 77.7 116.5#  
141 426.0 53.6 80.4#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.448 min Scan# 3125  
Delta R.T. -0.001 min  
Lab File: BG058844.D  
Acq: 24 Aug 2023 18:41

Tgt Ion:240 Resp: 118571  
Ion Ratio Lower Upper  
240 100  
120 7.2 6.2 9.2  
236 24.3 20.5 30.7

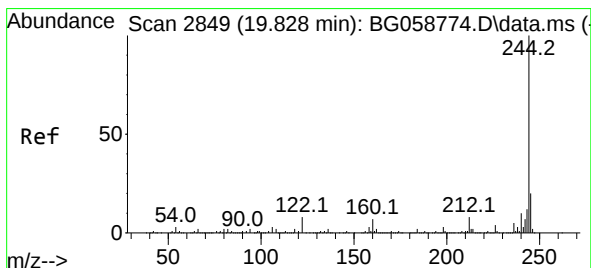
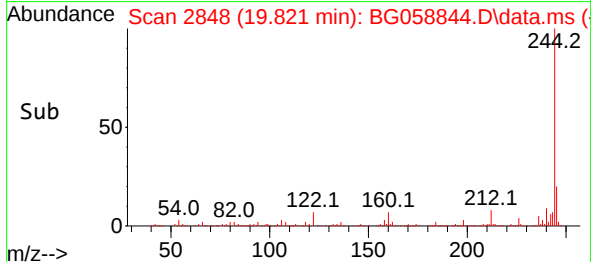
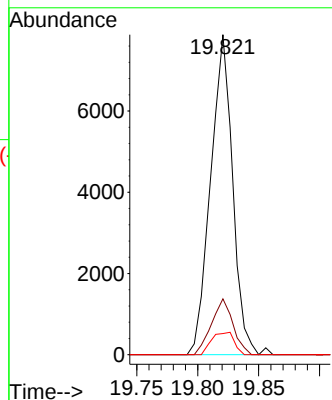
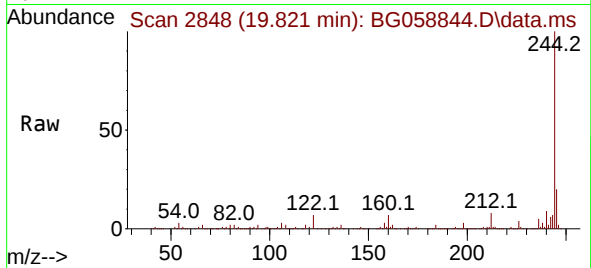




#77  
Benzidine  
Concen: 4.665 ng  
RT: 19.821 min Scan# 21  
Delta R.T. 0.369 min  
Lab File: BG058844.D  
Acq: 24 Aug 2023 18:41

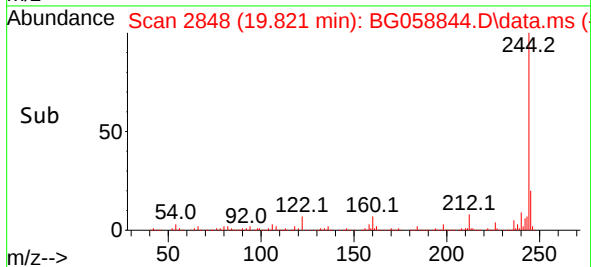
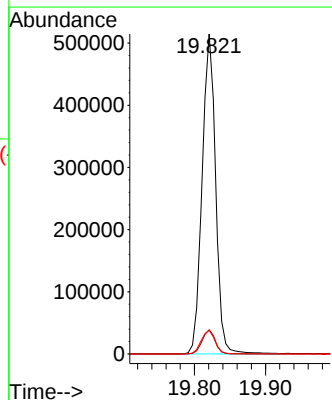
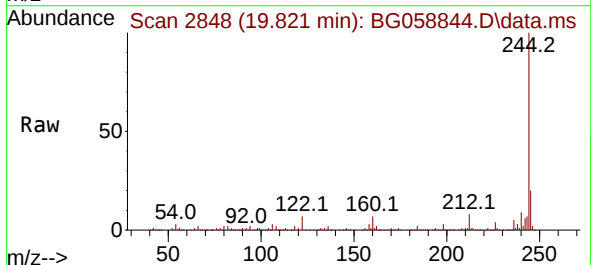
Instrument :  
BNA\_G  
ClientSampleId :  
TP-E

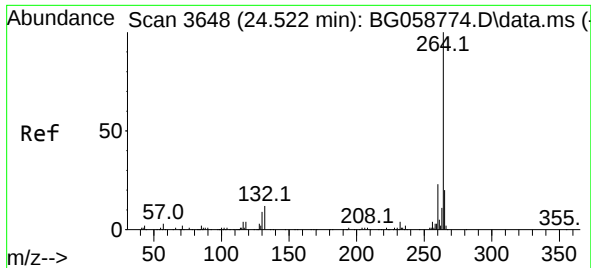
Tgt Ion:184 Resp: 9914  
Ion Ratio Lower Upper  
184 100  
185 17.5 11.9 17.9  
183 6.6 10.0 15.0#



#79  
Terphenyl-d14  
Concen: 103.442 ng  
RT: 19.821 min Scan# 2848  
Delta R.T. -0.007 min  
Lab File: BG058844.D  
Acq: 24 Aug 2023 18:41

Tgt Ion:244 Resp: 683077  
Ion Ratio Lower Upper  
244 100  
212 7.6 6.2 9.2  
122 7.4 6.3 9.5





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.515 min Scan# 30  
 Delta R.T. -0.007 min  
 Lab File: BG058844.D  
 Acq: 24 Aug 2023 18:41

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-E

Tgt Ion:264 Resp: 140523  
 Ion Ratio Lower Upper  
 264 100  
 260 21.1 18.2 27.2  
 265 22.2 16.4 24.6

