

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG082223\  
 Data File : BG058809.D  
 Acq On : 22 Aug 2023 15:44  
 Operator : MA/JU  
 Sample : 04090-07  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Aug 22 16:15:21 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

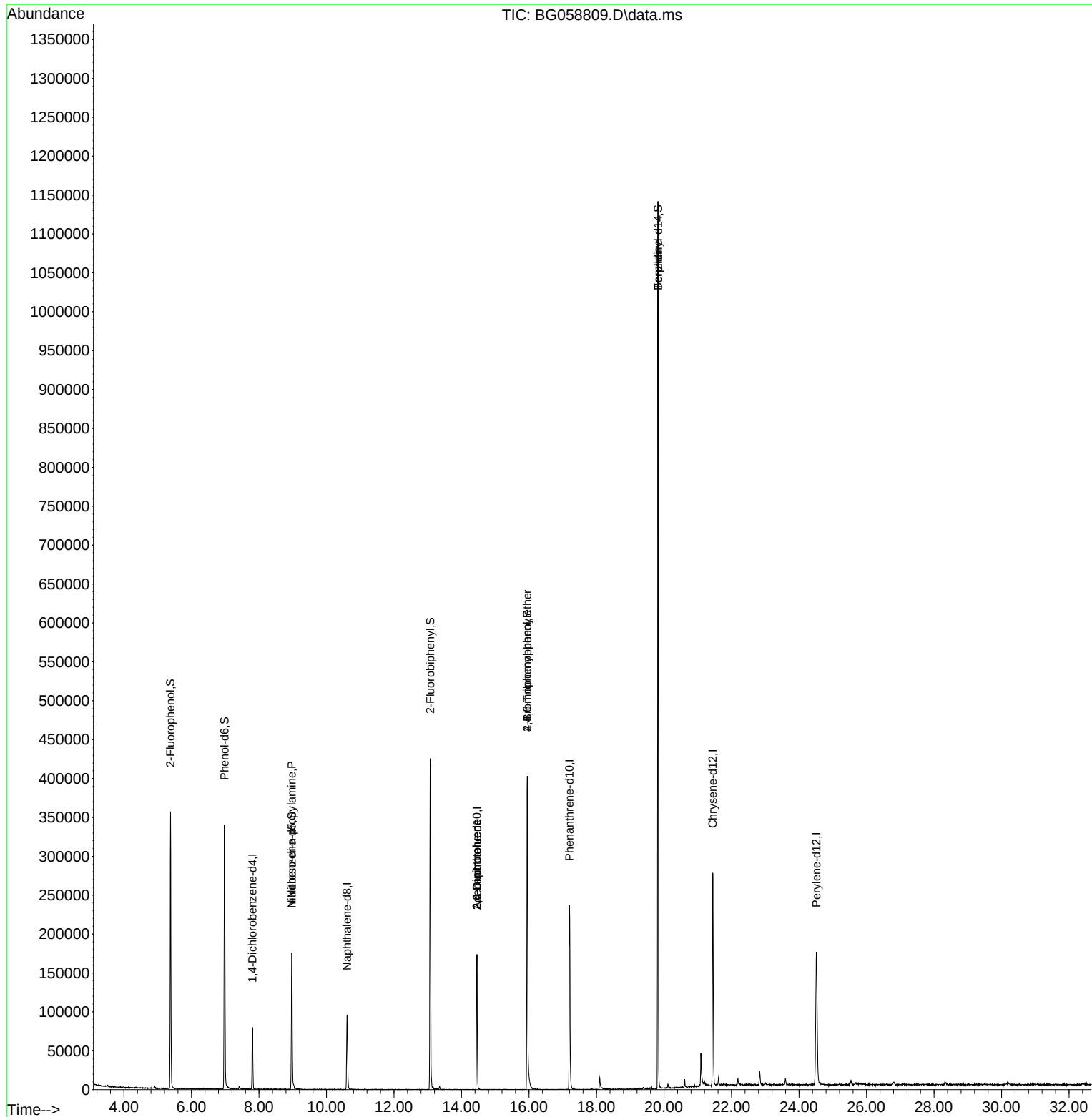
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.806  | 152  | 22306    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.609 | 136  | 92353    | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.457 | 164  | 67068    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.201 | 188  | 179655   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.443 | 240  | 175679   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 24.516 | 264  | 214652   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.379  | 112  | 140557   | 101.404 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.978  | 99   | 191322   | 98.380  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.969  | 82   | 109074   | 56.782  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.949 | 330  | 105061   | 99.905  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.076 | 172  | 253247   | 54.920  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.821 | 244  | 583524   | 59.641  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
| 19) n-Nitroso-di-n-propyla... | 8.969  | 70   | 14149    | 11.255  | ng    | Qvalue   |
| 51) 2,6-Dinitrotoluene        | 14.457 | 165  | 8711     | 7.985   | ng    | # 77     |
| 57) 2,4-Dinitrotoluene        | 14.457 | 165  | 8711     | 5.725   | ng    | # 22     |
| 67) 4-Bromophenyl-phenylether | 15.949 | 248  | 6577     | 3.336   | ng    | # 19     |
| 77) Benzidine                 | 19.821 | 184  | 8764     | 2.784   | ng    | # 1      |
| -----                         |        |      |          |         |       |          |

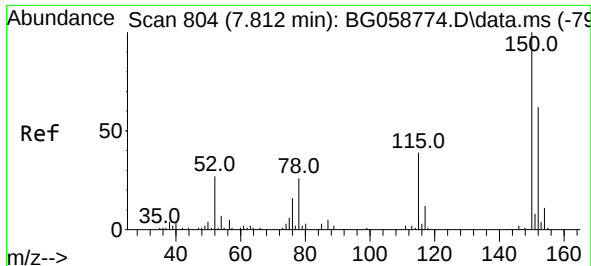
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG082223\  
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BNA\_G  
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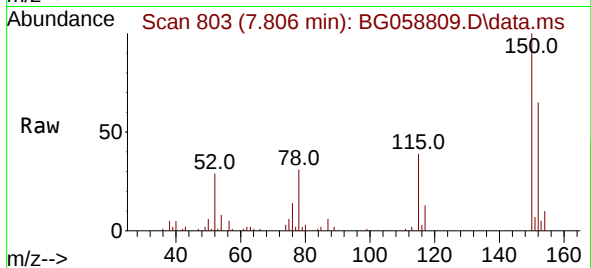
Quant Time: Aug 22 16:15:21 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG081823.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Aug 21 01:40:57 2023  
Response via : Initial Calibration



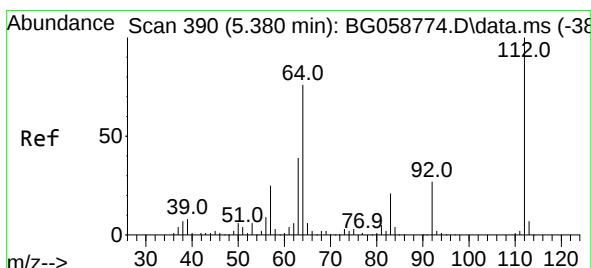
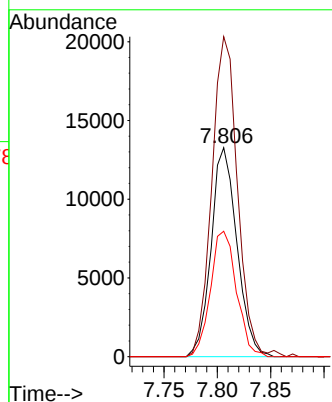
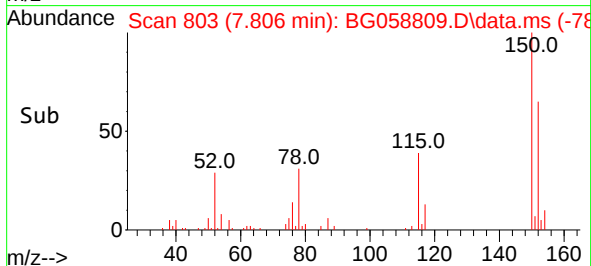


#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.806 min Scan# 804  
Delta R.T. -0.006 min  
Lab File: BG058809.D  
Acq: 22 Aug 2023 15:44

Instrument :  
BNA\_G  
ClientSampleId :

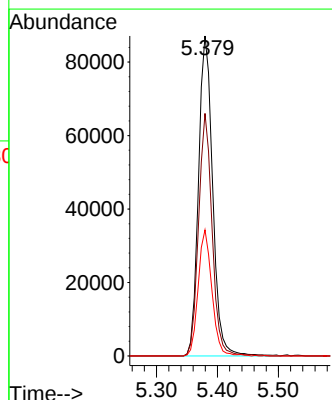
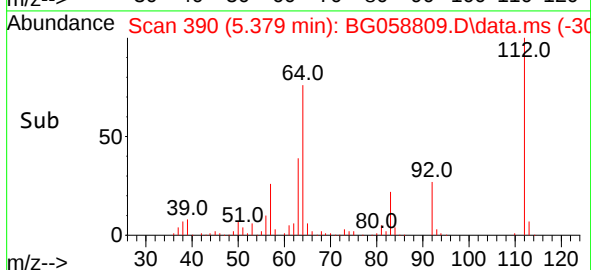
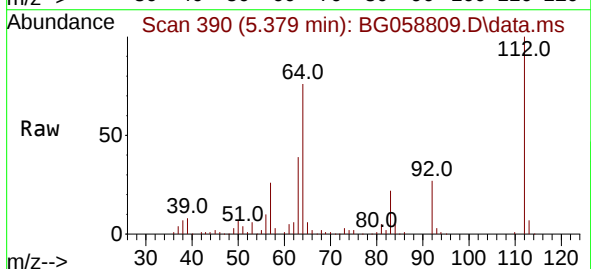


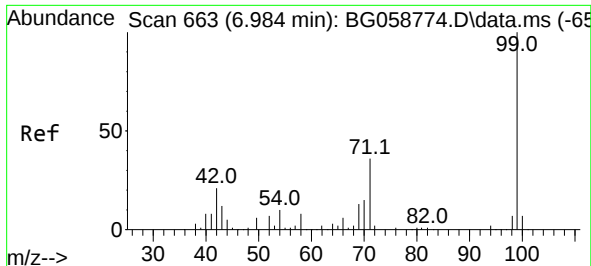
Tgt Ion:152 Resp: 22306  
Ion Ratio Lower Upper  
152 100  
150 153.2 128.6 192.8  
115 60.1 50.4 75.6



#5  
2-Fluorophenol  
Concen: 101.404 ng  
RT: 5.379 min Scan# 390  
Delta R.T. -0.001 min  
Lab File: BG058809.D  
Acq: 22 Aug 2023 15:44

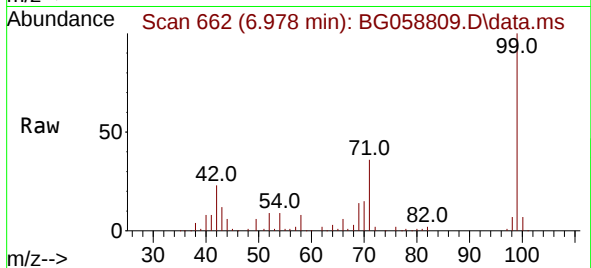
Tgt Ion:112 Resp: 140557  
Ion Ratio Lower Upper  
112 100  
64 75.8 60.6 90.8  
63 39.4 31.0 46.4



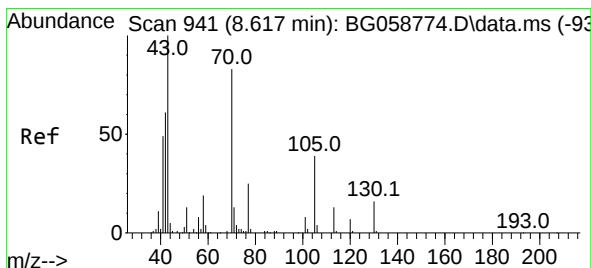
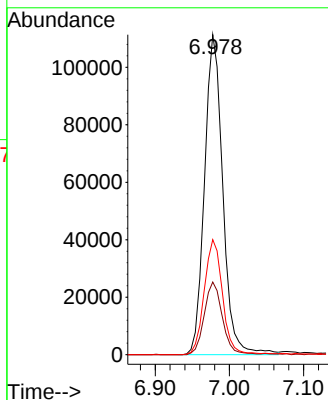
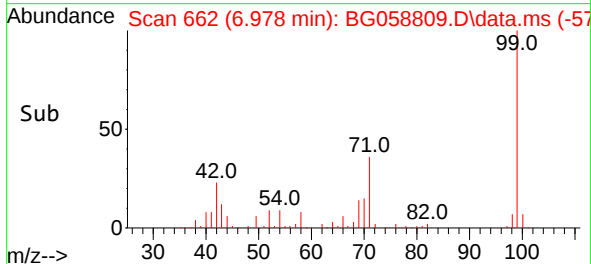


#7  
Phenol-d6  
Concen: 98.380 ng  
RT: 6.978 min Scan# 60  
Delta R.T. -0.006 min  
Lab File: BG058809.D  
Acq: 22 Aug 2023 15:44

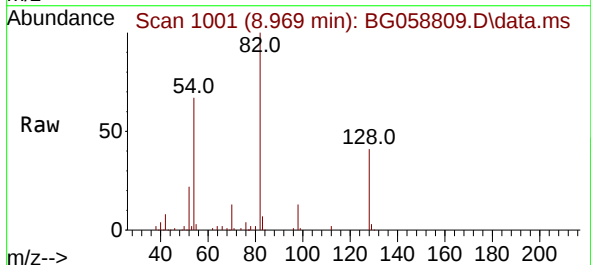
Instrument :  
BNA\_G  
ClientSampleId :



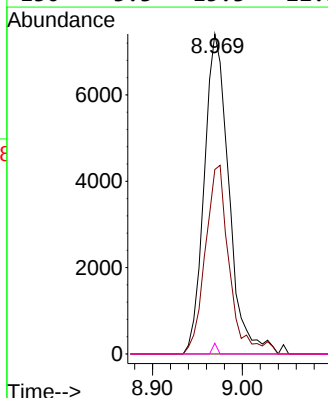
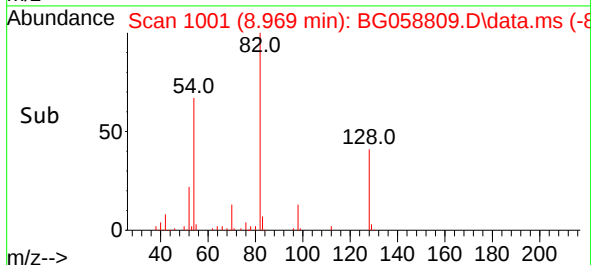
Tgt Ion: 99 Resp: 191322  
Ion Ratio Lower Upper  
99 100  
42 22.7 16.5 24.7  
71 36.0 28.4 42.6

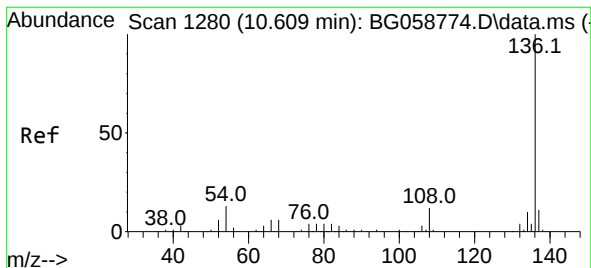


#19  
n-Nitroso-di-n-propylamine  
Concen: 11.255 ng  
RT: 8.969 min Scan# 1001  
Delta R.T. 0.352 min  
Lab File: BG058809.D  
Acq: 22 Aug 2023 15:44



Tgt Ion: 70 Resp: 14149  
Ion Ratio Lower Upper  
70 100  
42 57.7 59.2 88.8#  
101 0.0 8.2 12.2#  
130 3.3 15.3 22.9#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.609 min Scan# 1

Delta R.T. -0.001 min

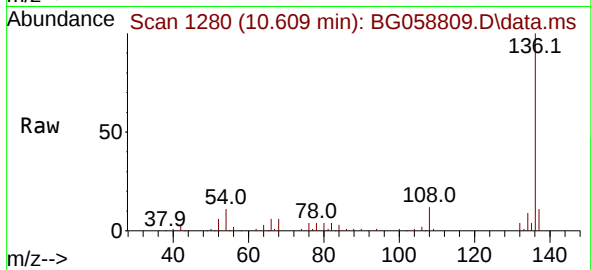
Lab File: BG058809.D

Acq: 22 Aug 2023 15:44

Instrument :

BNA\_G

ClientSampleId :



Tgt Ion:136 Resp: 92353

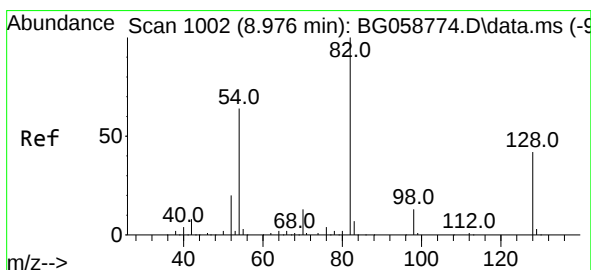
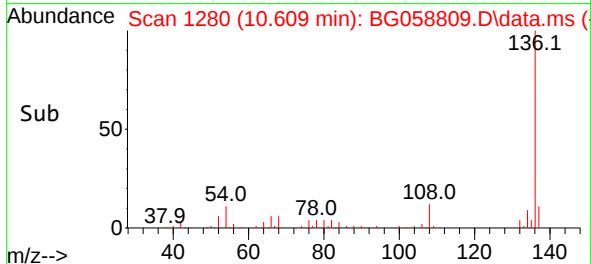
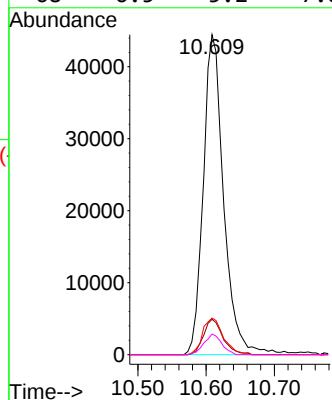
Ion Ratio Lower Upper

136 100

137 11.1 8.7 13.1

54 11.4 10.1 15.1

68 6.5 5.2 7.8



#23

Nitrobenzene-d5

Concen: 56.782 ng

RT: 8.969 min Scan# 1001

Delta R.T. -0.006 min

Lab File: BG058809.D

Acq: 22 Aug 2023 15:44

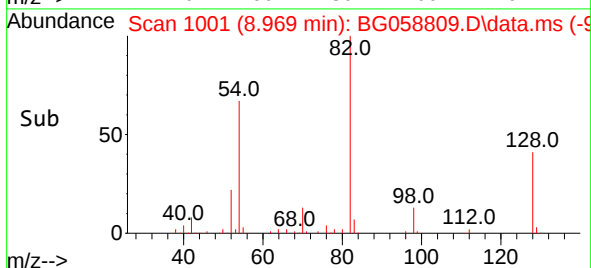
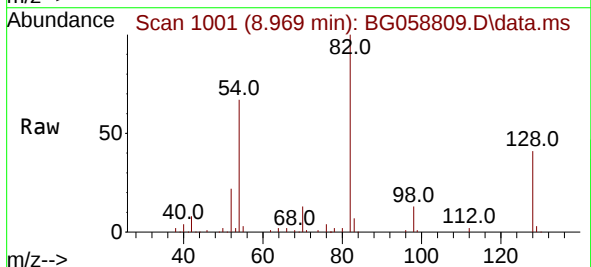
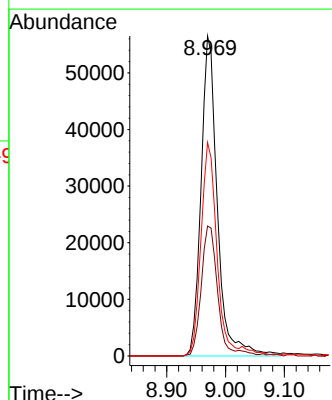
Tgt Ion: 82 Resp: 109074

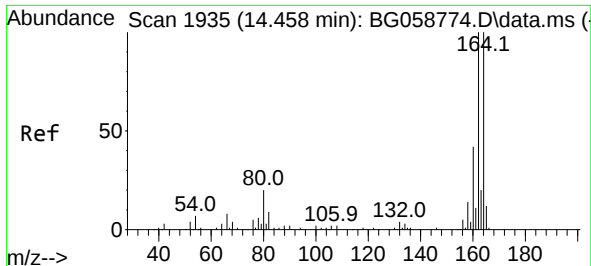
Ion Ratio Lower Upper

82 100

128 40.6 33.2 49.8

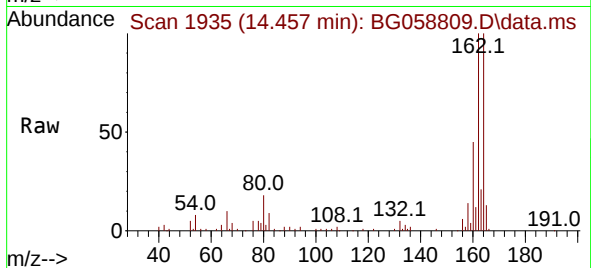
54 66.7 51.2 76.8



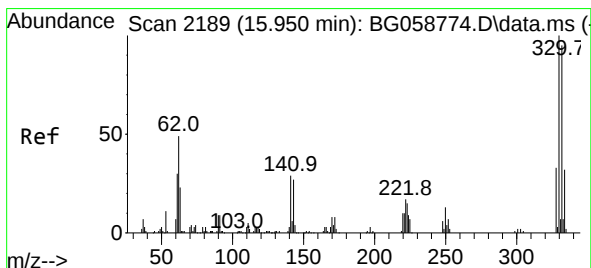
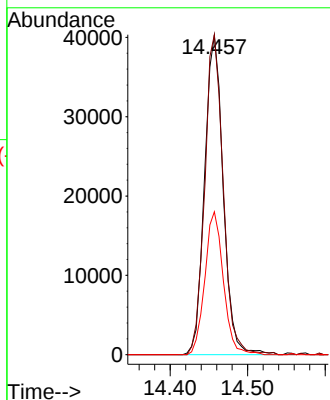
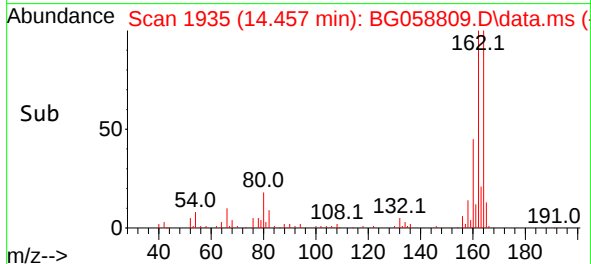


#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.457 min Scan# 1935  
Delta R.T. -0.000 min  
Lab File: BG058809.D  
Acq: 22 Aug 2023 15:44

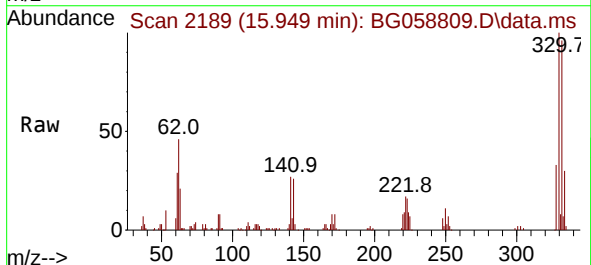
Instrument :  
BNA\_G  
ClientSampleId :



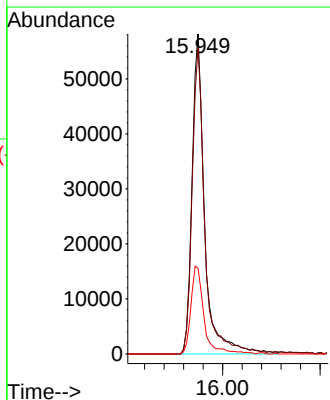
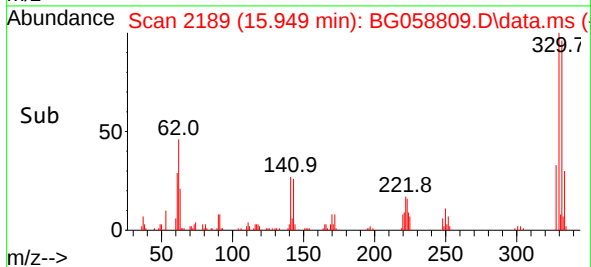
Tgt Ion:164 Resp: 67068  
Ion Ratio Lower Upper  
164 100  
162 100.2 79.6 119.4  
160 44.8 34.0 51.0

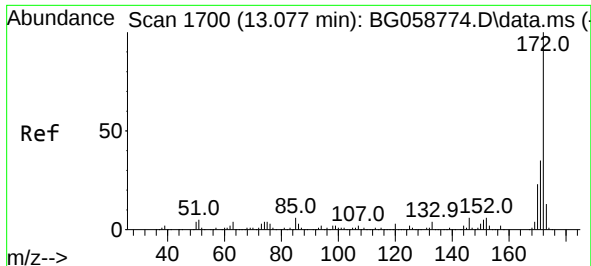


#42  
2,4,6-Tribromophenol  
Concen: 99.905 ng  
RT: 15.949 min Scan# 2189  
Delta R.T. -0.000 min  
Lab File: BG058809.D  
Acq: 22 Aug 2023 15:44



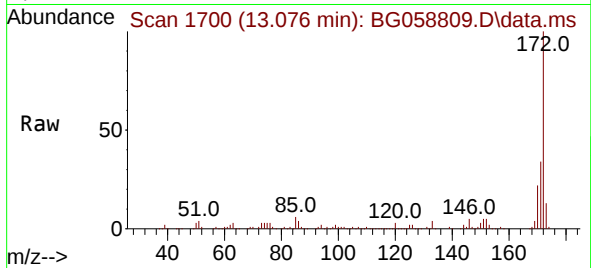
Tgt Ion:330 Resp: 105061  
Ion Ratio Lower Upper  
330 100  
332 95.2 78.5 117.7  
141 28.4 23.0 34.6



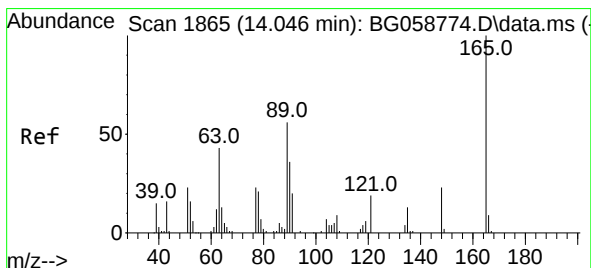
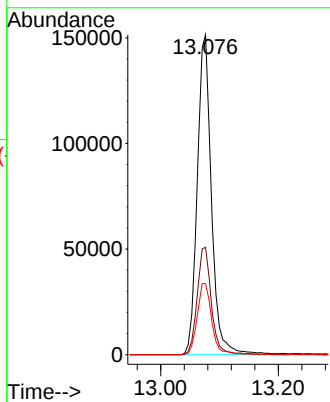
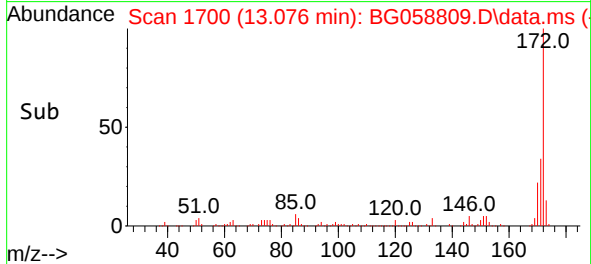


#45  
2-Fluorobiphenyl  
Concen: 54.920 ng  
RT: 13.076 min Scan# 1  
Delta R.T. -0.001 min  
Lab File: BG058809.D  
Acq: 22 Aug 2023 15:44

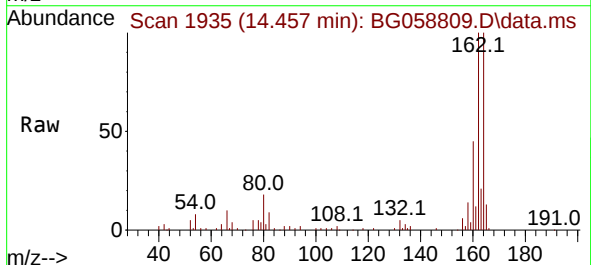
Instrument :  
BNA\_G  
ClientSampleId :



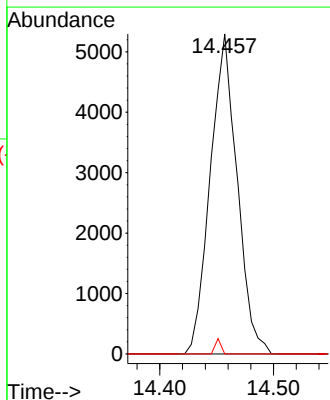
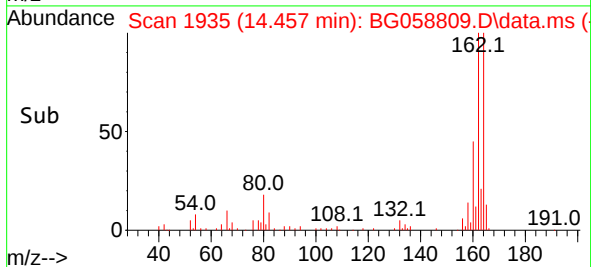
Tgt Ion:172 Resp: 253247  
Ion Ratio Lower Upper  
172 100  
171 33.6 28.1 42.1  
170 22.2 18.6 27.8

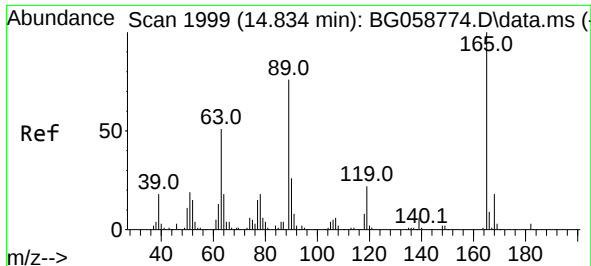


#51  
2,6-Dinitrotoluene  
Concen: 7.985 ng  
RT: 14.457 min Scan# 1935  
Delta R.T. 0.411 min  
Lab File: BG058809.D  
Acq: 22 Aug 2023 15:44



Tgt Ion:165 Resp: 8711  
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: 5.725 ng

RT: 14.457 min Scan# 1999

Delta R.T. -0.377 min

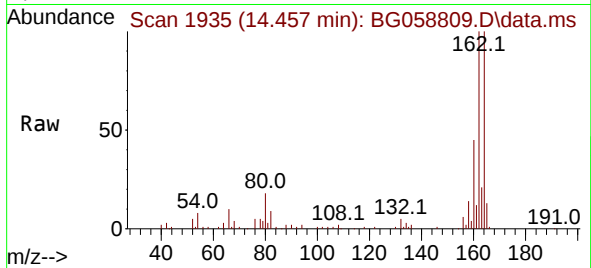
Lab File: BG058809.D

Acq: 22 Aug 2023 15:44

Instrument :

BNA\_G

ClientSampleId :



Tgt Ion:165 Resp: 8711

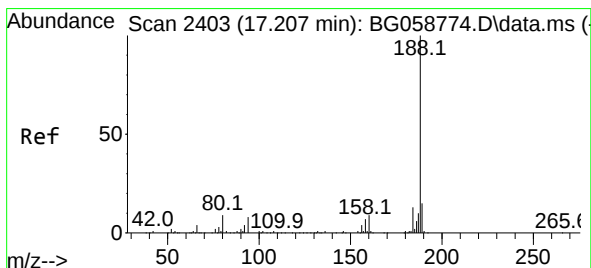
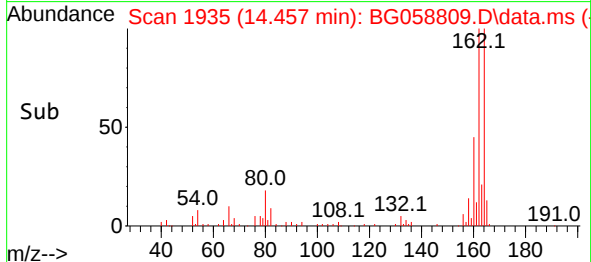
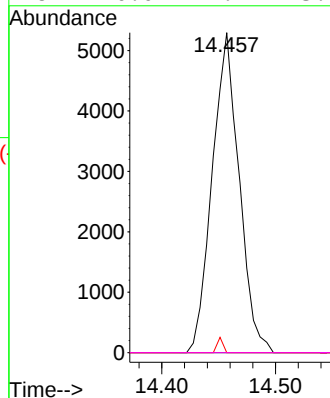
Ion Ratio Lower Upper

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# 2402

Delta R.T. -0.006 min

Lab File: BG058809.D

Acq: 22 Aug 2023 15:44

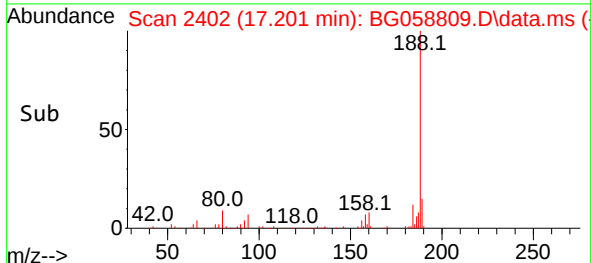
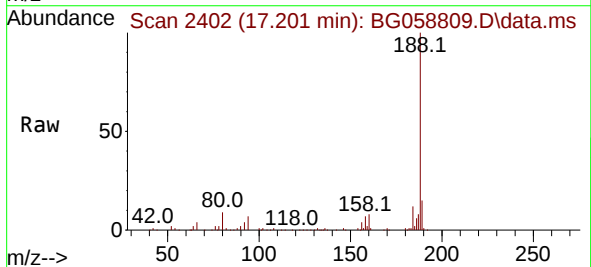
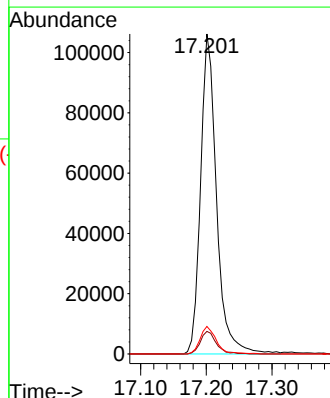
Tgt Ion:188 Resp: 179655

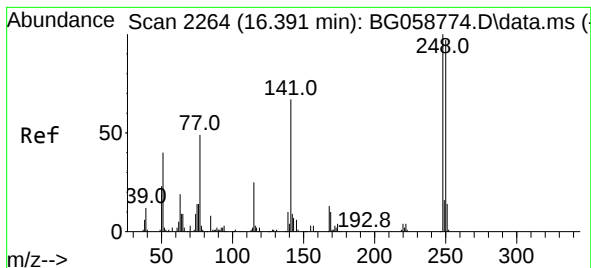
Ion Ratio Lower Upper

188 100

94 7.1 6.1 9.1

80 8.6 6.9 10.3

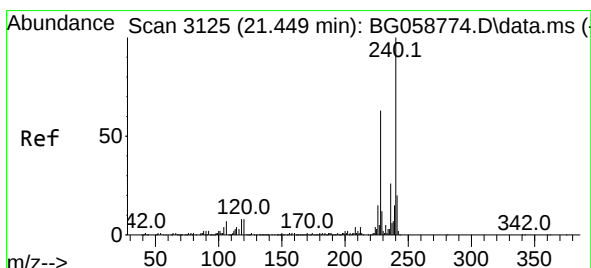
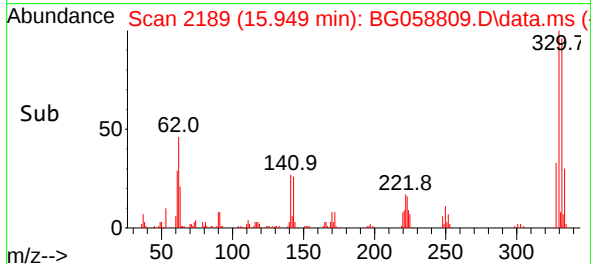
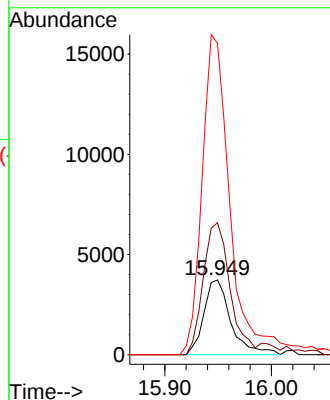
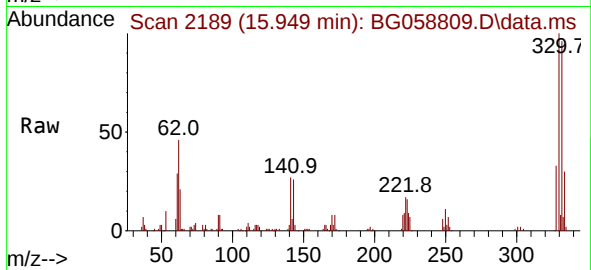




#67  
4-Bromophenyl-phenylether  
Concen: 3.336 ng  
RT: 15.949 min Scan# 21189  
Delta R.T. -0.442 min  
Lab File: BG058809.D  
Acq: 22 Aug 2023 15:44

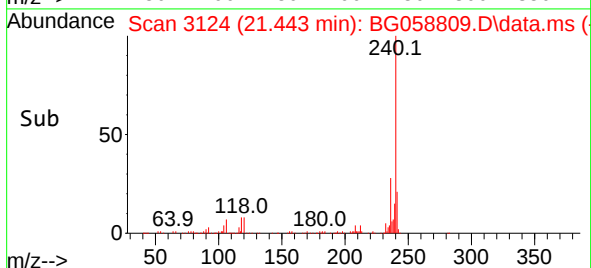
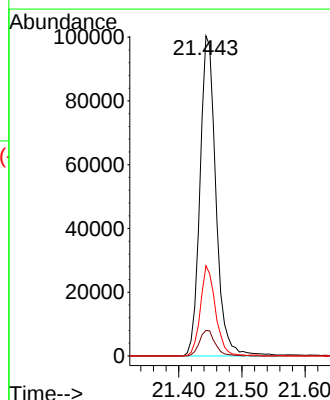
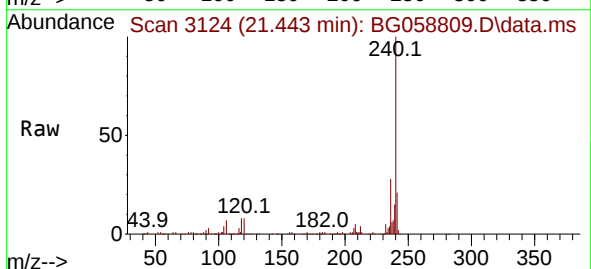
Instrument :  
BNA\_G  
ClientSampleId :

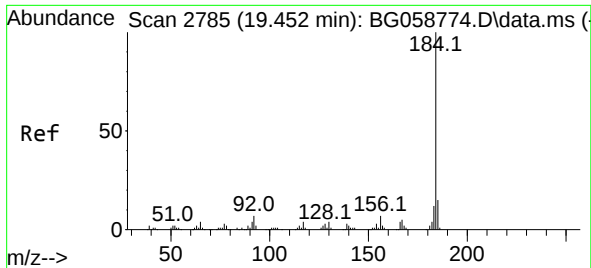
Tgt Ion:248 Resp: 6577  
Ion Ratio Lower Upper  
248 100  
250 176.6 77.7 116.5#  
141 416.5 53.6 80.4#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.443 min Scan# 3124  
Delta R.T. -0.006 min  
Lab File: BG058809.D  
Acq: 22 Aug 2023 15:44

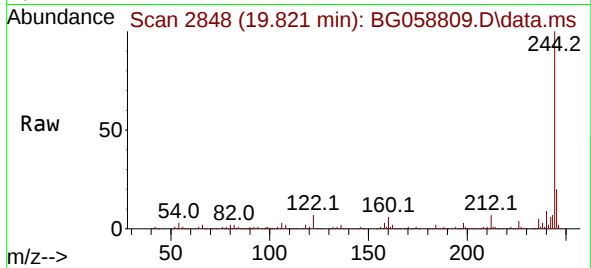
Tgt Ion:240 Resp: 175679  
Ion Ratio Lower Upper  
240 100  
120 7.9 6.2 9.2  
236 28.2 20.5 30.7



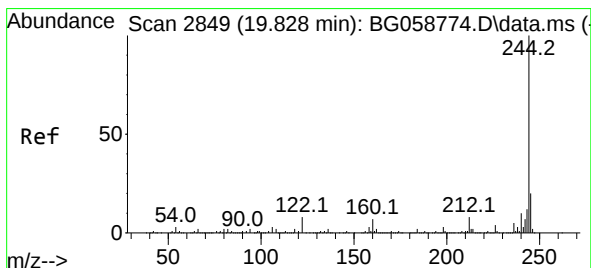
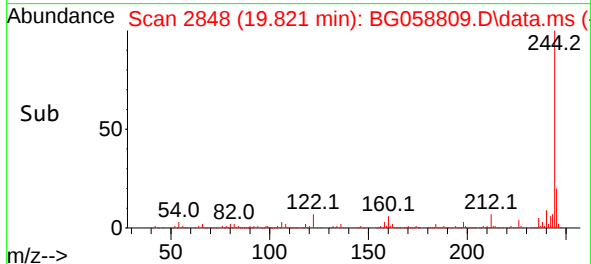
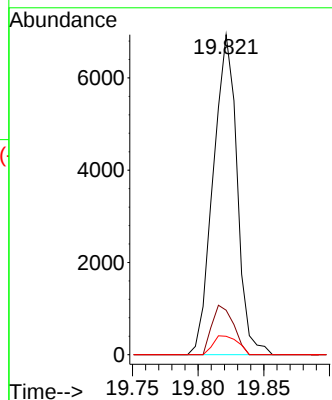


#77  
Benzidine  
Concen: 2.784 ng  
RT: 19.821 min Scan# 21  
Delta R.T. 0.369 min  
Lab File: BG058809.D  
Acq: 22 Aug 2023 15:44

Instrument :  
BNA\_G  
ClientSampleId :

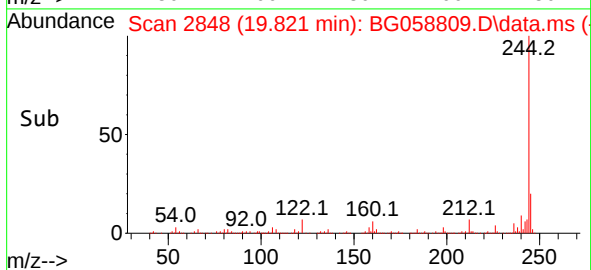
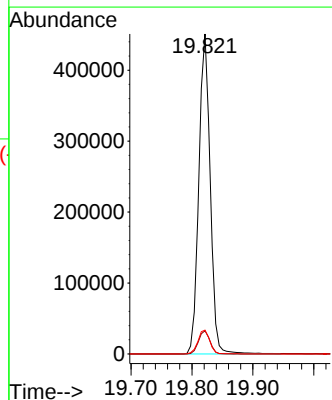
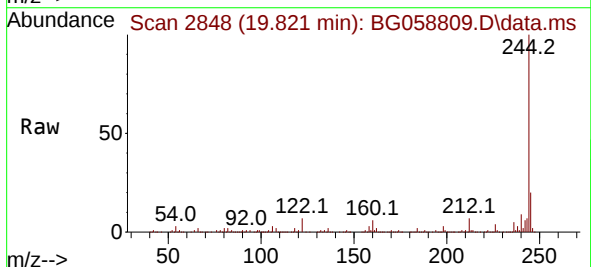


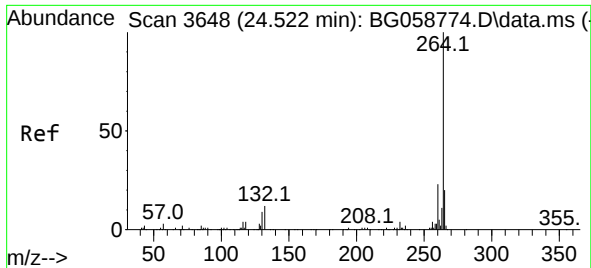
Tgt Ion:184 Resp: 8764  
Ion Ratio Lower Upper  
184 100  
185 13.9 11.9 17.9  
183 5.8 10.0 15.0#



#79  
Terphenyl-d14  
Concen: 59.641 ng  
RT: 19.821 min Scan# 2848  
Delta R.T. -0.006 min  
Lab File: BG058809.D  
Acq: 22 Aug 2023 15:44

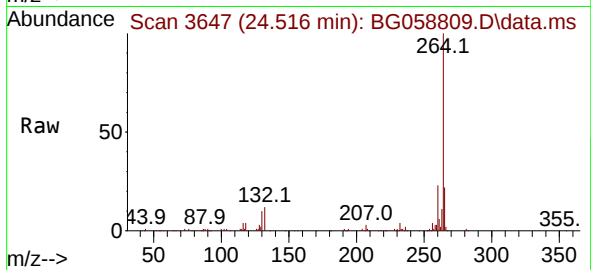
Tgt Ion:244 Resp: 583524  
Ion Ratio Lower Upper  
244 100  
212 7.2 6.2 9.2  
122 7.5 6.3 9.5





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.516 min Scan# 30  
 Delta R.T. -0.006 min  
 Lab File: BG058809.D  
 Acq: 22 Aug 2023 15:44

Instrument :  
 BNA\_G  
 ClientSampleId :



Tgt Ion:264 Resp: 214652

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 22.6  | 18.2  | 27.2  |
| 265 | 22.0  | 16.4  | 24.6  |

