

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG082923\  
 Data File : BG058894.D  
 Acq On : 29 Aug 2023 19:29  
 Operator : MA/JU  
 Sample : 04183-01  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 HR-02-082523

Quant Time: Aug 29 21:28:35 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG081823.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 29 14:27:28 2023  
 Response via : Initial Calibration

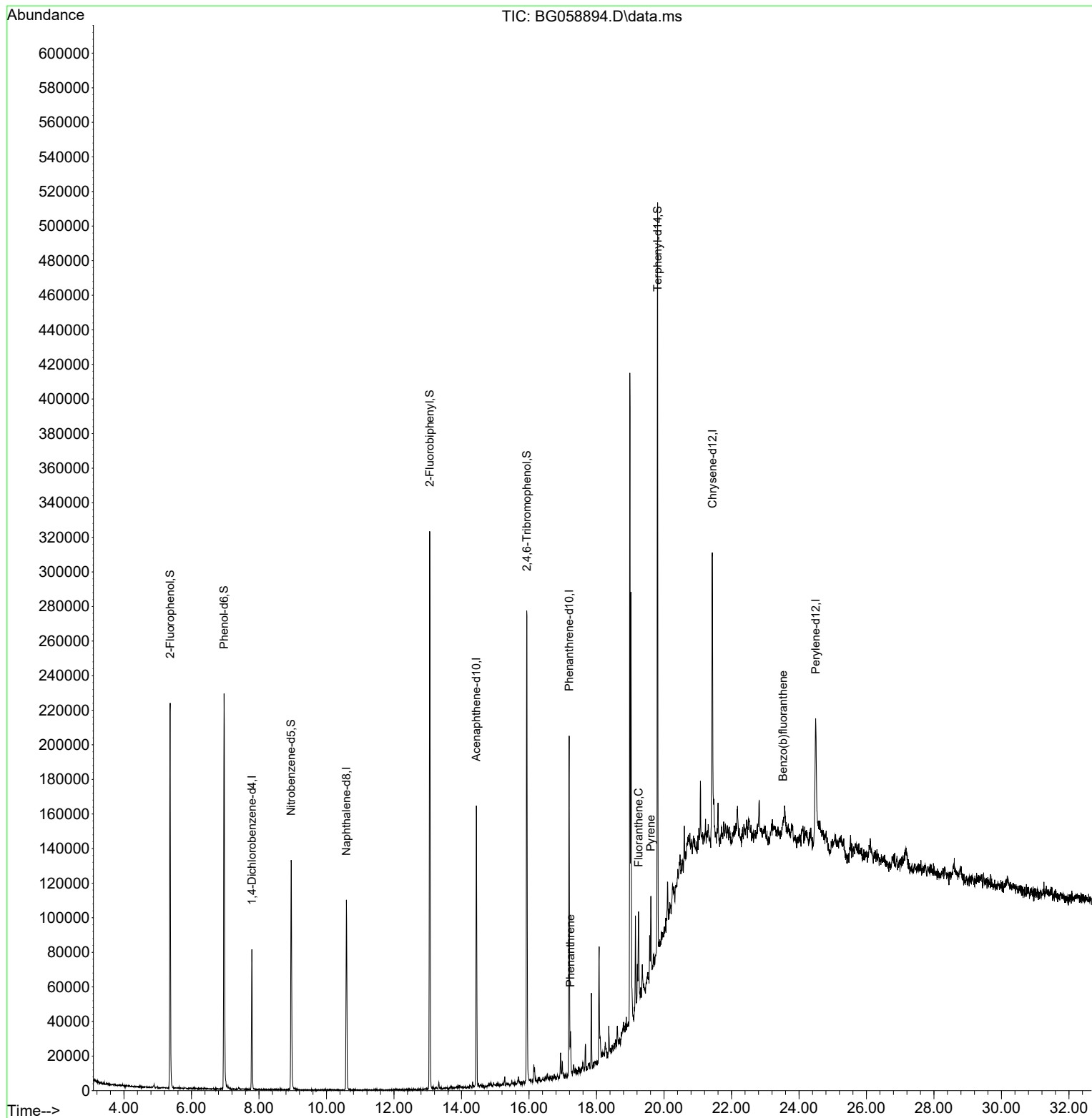
| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.789  | 152  | 22330    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.592 | 136  | 92897    | 20.000 | ng    | # 0.00   |
| 39) Acenaphthene-d10        | 14.440 | 164  | 60673    | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.190 | 188  | 124712   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12            | 21.432 | 240  | 97738    | 20.000 | ng    | 0.00     |
| 86) Perylene-d12            | 24.493 | 264  | 93328    | 20.000 | ng    | # 0.02   |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.368  | 112  | 93556    | 67.423 | ng    | 0.01     |
| 7) Phenol-d6                | 6.966  | 99   | 128218   | 65.860 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.952  | 82   | 80735    | 41.783 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.938 | 330  | 62124    | 65.302 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.059 | 172  | 174750   | 41.891 | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.810 | 244  | 213192   | 39.167 | ng    | 0.00     |
| Target Compounds            |        |      |          |        |       |          |
|                             |        |      |          |        |       | Qvalue   |
| 71) Phenanthrene            | 17.231 | 178  | 14360    | 2.399  | ng    | 96       |
| 75) Fluoranthene            | 19.246 | 202  | 25625    | 3.451  | ng    | 98       |
| 78) Pyrene                  | 19.610 | 202  | 25366    | 3.725  | ng    | 98       |
| 88) Benzo(b)fluoranthene    | 23.524 | 252  | 10996    | 2.123  | ng    | # 54     |
| -----                       |        |      |          |        |       |          |

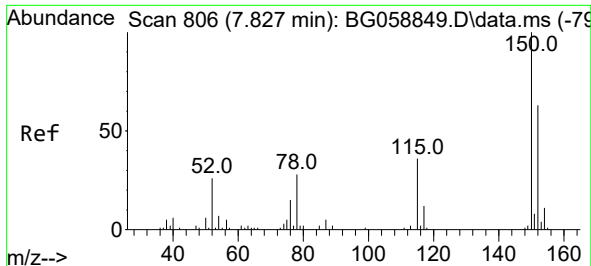
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG081823.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Aug 29 14:27:28 2023  
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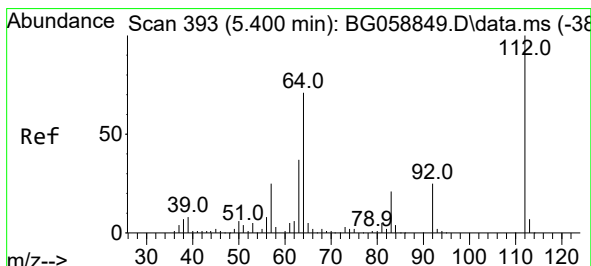
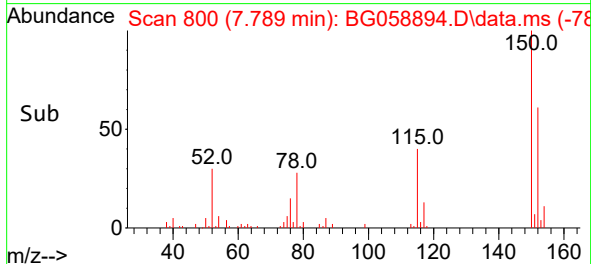
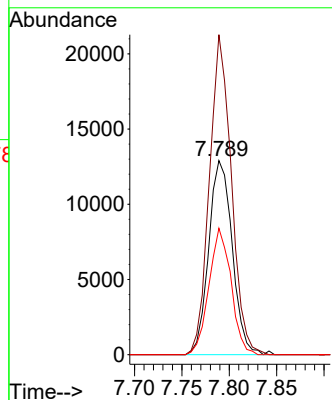
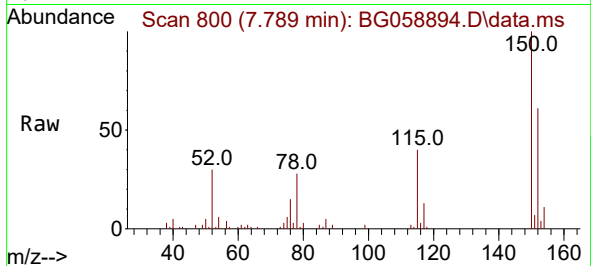




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.789 min Scan# 806  
Delta R.T. 0.000 min  
Lab File: BG058894.D  
Acq: 29 Aug 2023 19:29

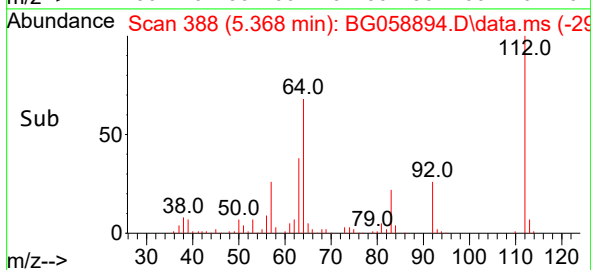
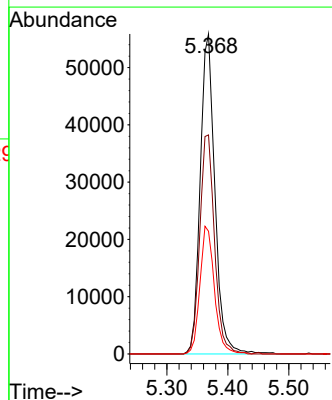
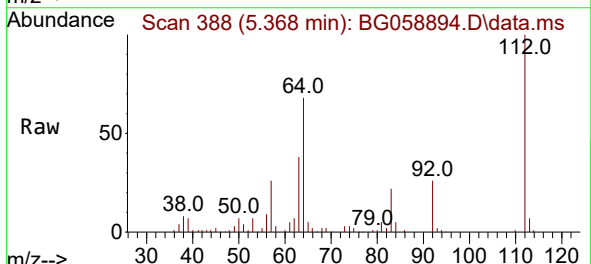
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BNA\_G  
ClientSampleId :  
HR-02-082523

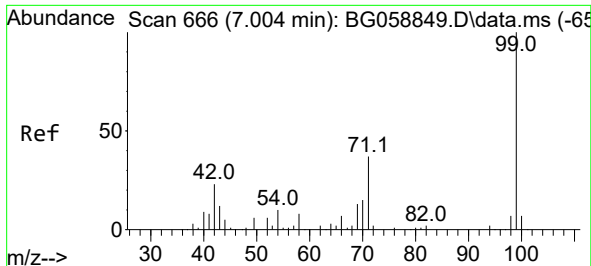
Tgt Ion:152 Resp: 22330  
Ion Ratio Lower Upper  
152 100  
150 164.9 128.6 192.8  
115 65.2 50.4 75.6



#5  
2-Fluorophenol  
Concen: 67.423 ng  
RT: 5.368 min Scan# 388  
Delta R.T. 0.012 min  
Lab File: BG058894.D  
Acq: 29 Aug 2023 19:29

Tgt Ion:112 Resp: 93556  
Ion Ratio Lower Upper  
112 100  
64 68.4 60.6 90.8  
63 38.4 31.0 46.4

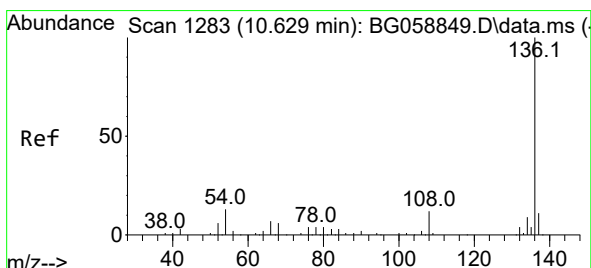
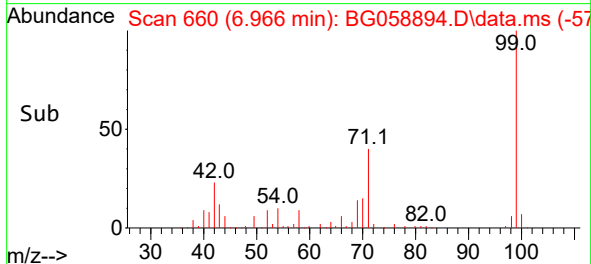
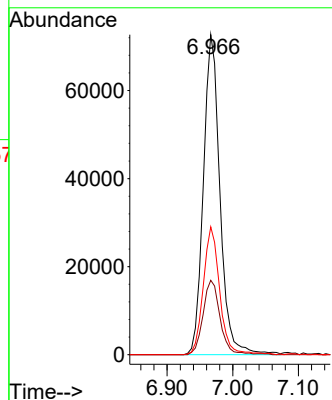
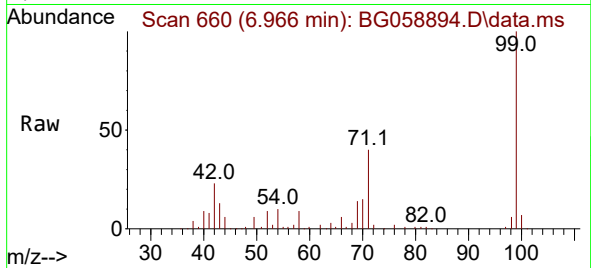




#7  
Phenol-d6  
Concen: 65.860 ng  
RT: 6.966 min Scan# 60  
Delta R.T. 0.000 min  
Lab File: BG058894.D  
Acq: 29 Aug 2023 19:29

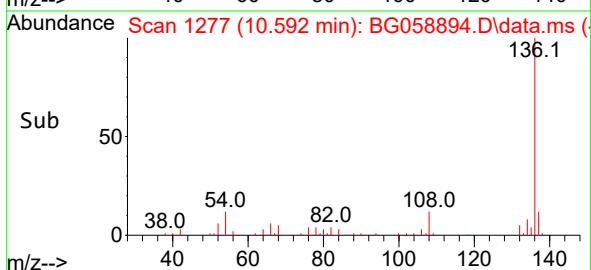
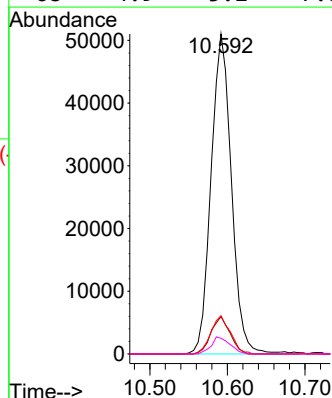
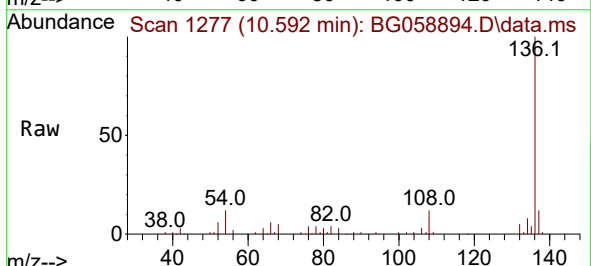
Instrument :  
BNA\_G  
ClientSampleId :  
HR-02-082523

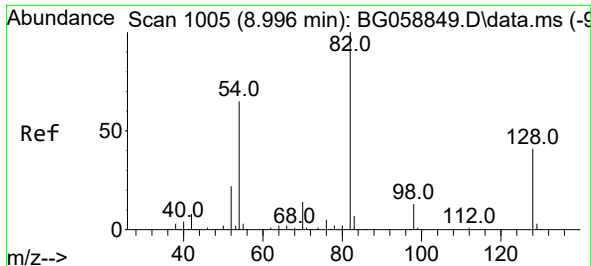
Tgt Ion: 99 Resp: 128218  
Ion Ratio Lower Upper  
99 100  
42 23.3 16.5 24.7  
71 40.0 28.4 42.6



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.592 min Scan# 1277  
Delta R.T. 0.000 min  
Lab File: BG058894.D  
Acq: 29 Aug 2023 19:29

Tgt Ion: 136 Resp: 92897  
Ion Ratio Lower Upper  
136 100  
137 11.7 8.7 13.1  
54 12.0 10.1 15.1  
68 4.9 5.2 7.8#

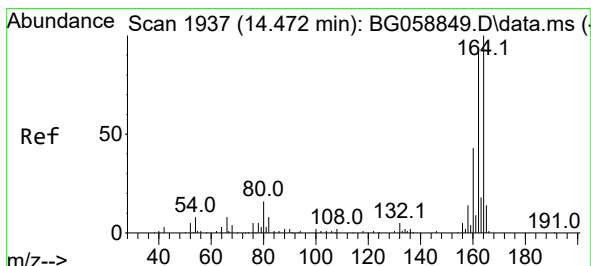
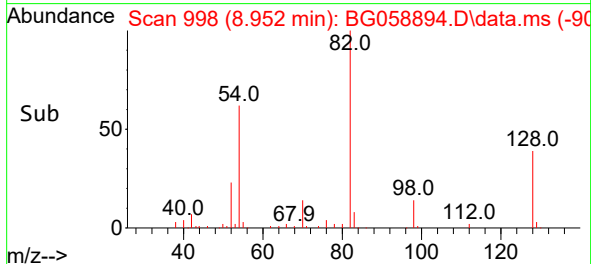
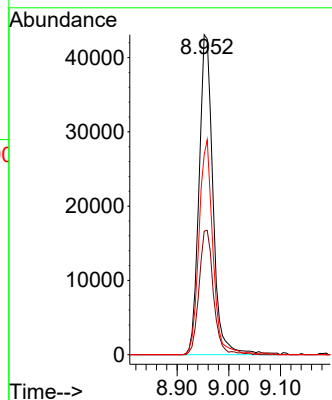
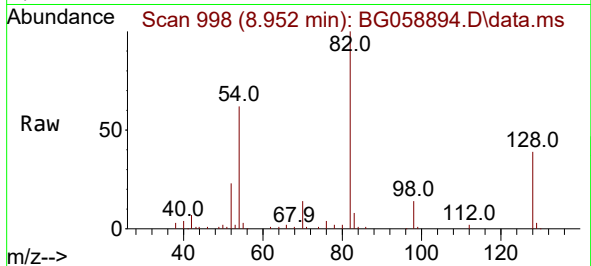




#23  
Nitrobenzene-d5  
Concen: 41.783 ng  
RT: 8.952 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BG058894.D  
Acq: 29 Aug 2023 19:29

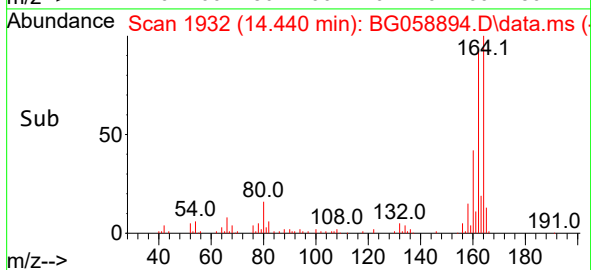
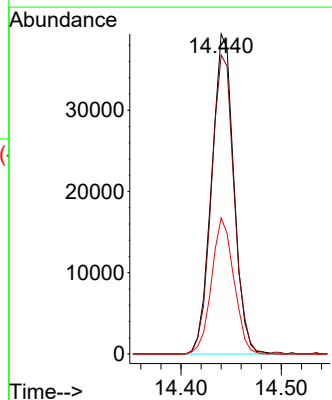
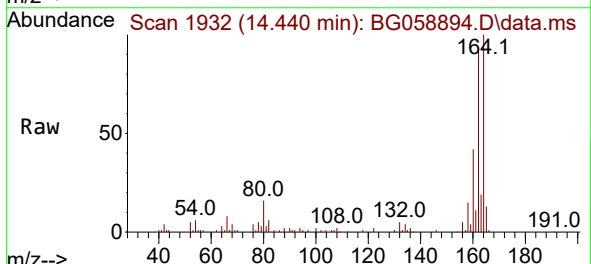
Instrument :  
BNA\_G  
ClientSampleId :  
HR-02-082523

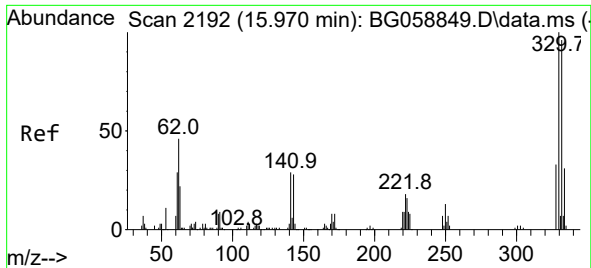
Tgt Ion: 82 Resp: 80735  
Ion Ratio Lower Upper  
82 100  
128 38.6 33.2 49.8  
54 62.5 51.2 76.8



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.440 min Scan# 1932  
Delta R.T. 0.000 min  
Lab File: BG058894.D  
Acq: 29 Aug 2023 19:29

Tgt Ion: 164 Resp: 60673  
Ion Ratio Lower Upper  
164 100  
162 93.4 79.6 119.4  
160 42.5 34.0 51.0

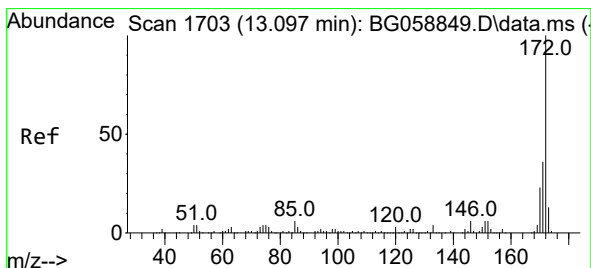
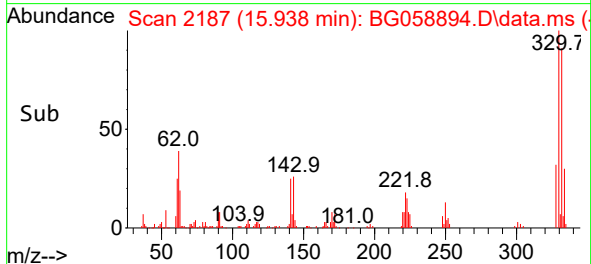
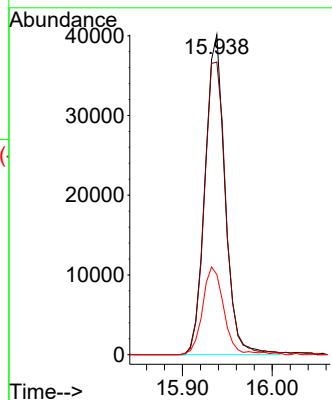
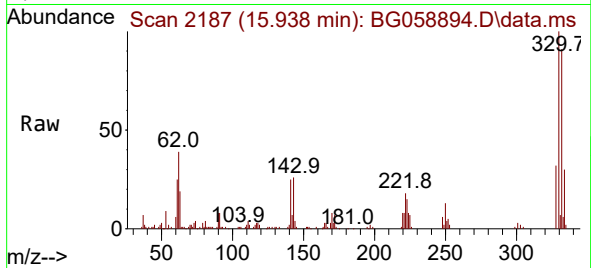




#42  
2,4,6-Tribromophenol  
Concen: 65.302 ng  
RT: 15.938 min Scan# 2192  
Delta R.T. 0.006 min  
Lab File: BG058894.D  
Acq: 29 Aug 2023 19:29

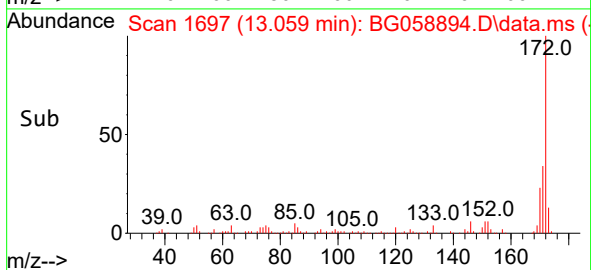
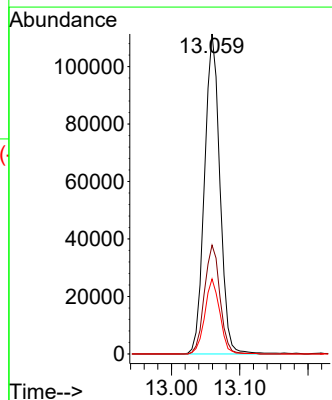
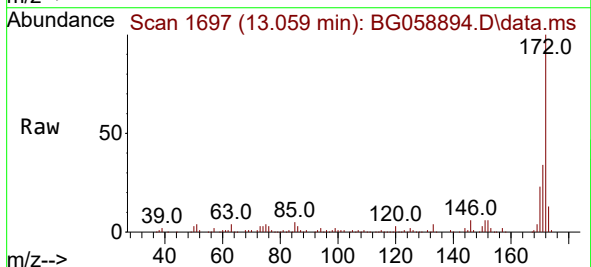
Instrument :  
BNA\_G  
ClientSampleId :  
HR-02-082523

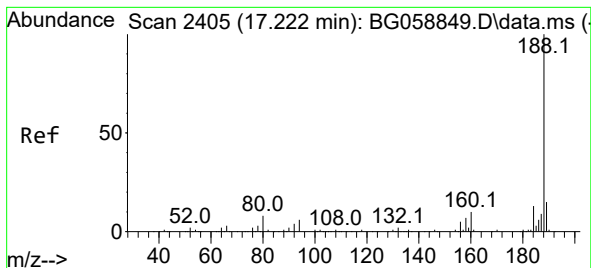
Tgt Ion:330 Resp: 62124  
Ion Ratio Lower Upper  
330 100  
332 98.4 78.5 117.7  
141 29.3 23.0 34.6



#45  
2-Fluorobiphenyl  
Concen: 41.891 ng  
RT: 13.059 min Scan# 1697  
Delta R.T. 0.000 min  
Lab File: BG058894.D  
Acq: 29 Aug 2023 19:29

Tgt Ion:172 Resp: 174750  
Ion Ratio Lower Upper  
172 100  
171 34.0 28.1 42.1  
170 23.5 18.6 27.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.190 min Scan# 2400

Delta R.T. 0.006 min

Lab File: BG058894.D

Acq: 29 Aug 2023 19:29

Instrument :

BNA\_G

ClientSampleId :

HR-02-082523

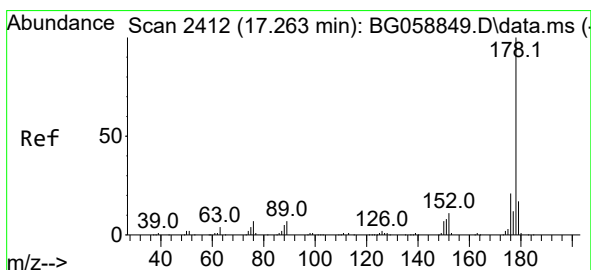
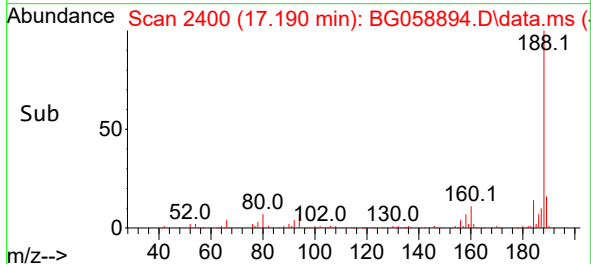
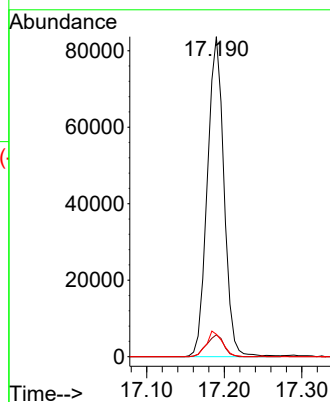
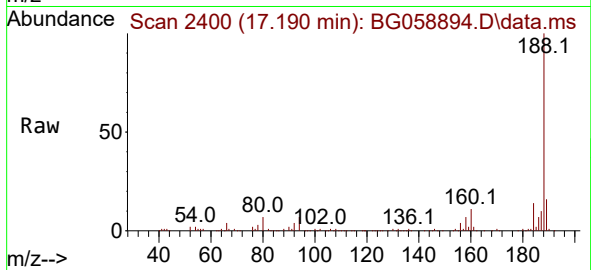
Tgt Ion:188 Resp: 124712

Ion Ratio Lower Upper

188 100

94 6.9 6.1 9.1

80 7.0 6.9 10.3



#71

Phenanthrene

Concen: 2.399 ng

RT: 17.231 min Scan# 2407

Delta R.T. 0.000 min

Lab File: BG058894.D

Acq: 29 Aug 2023 19:29

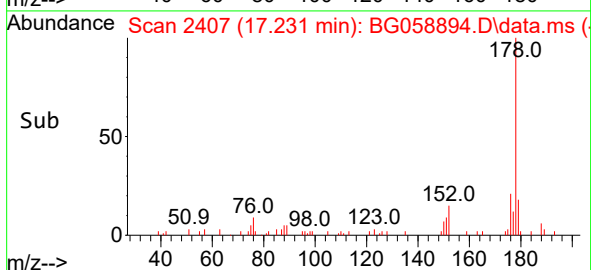
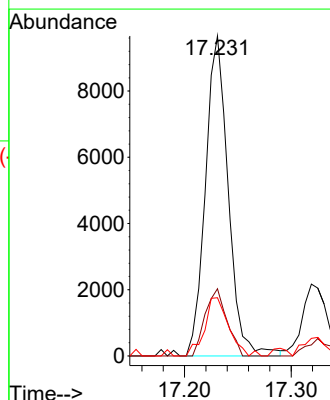
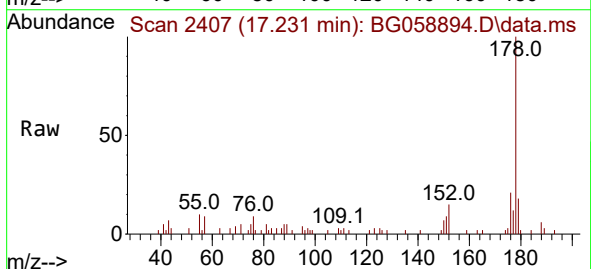
Tgt Ion:178 Resp: 14360

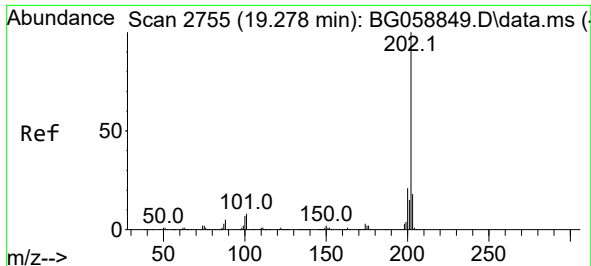
Ion Ratio Lower Upper

178 100

176 21.0 15.5 23.3

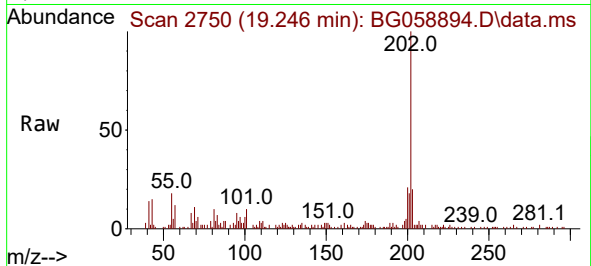
179 18.2 13.0 19.4



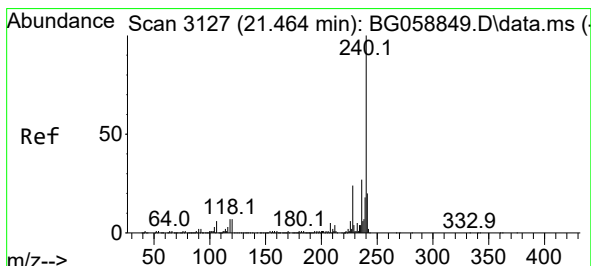
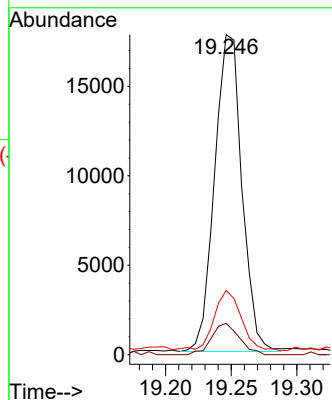
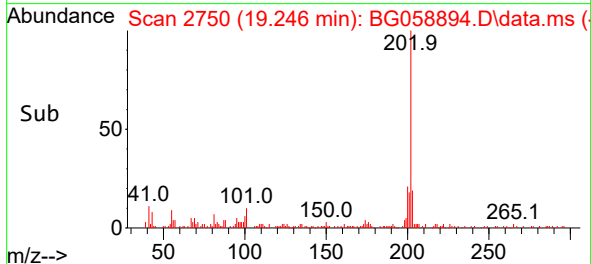


#75  
Fluoranthene  
Concen: 3.451 ng  
RT: 19.246 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: BG058894.D  
Acq: 29 Aug 2023 19:29

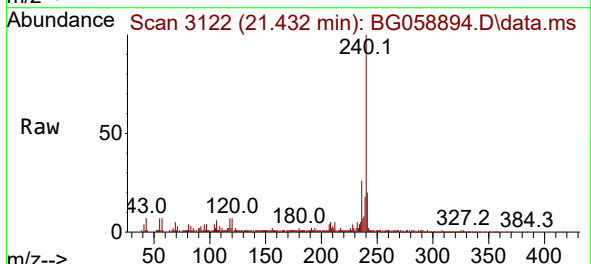
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ClientSampleId :  
HR-02-082523



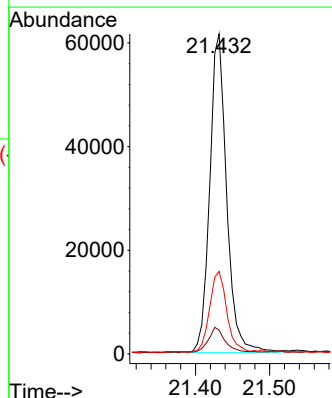
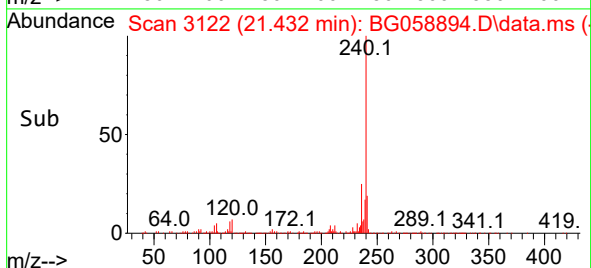
Tgt Ion:202 Resp: 25625  
Ion Ratio Lower Upper  
202 100  
101 9.8 0.0 29.7  
203 20.1 0.0 38.7

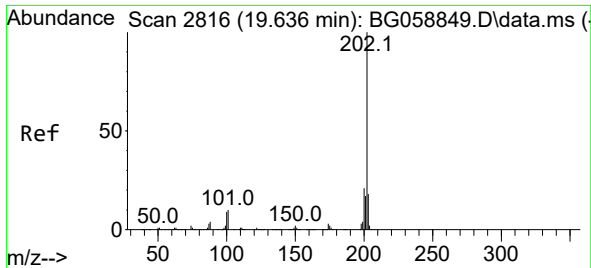


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.432 min Scan# 3122  
Delta R.T. 0.006 min  
Lab File: BG058894.D  
Acq: 29 Aug 2023 19:29



Tgt Ion:240 Resp: 97738  
Ion Ratio Lower Upper  
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120 7.5 6.2 9.2  
236 25.8 20.5 30.7

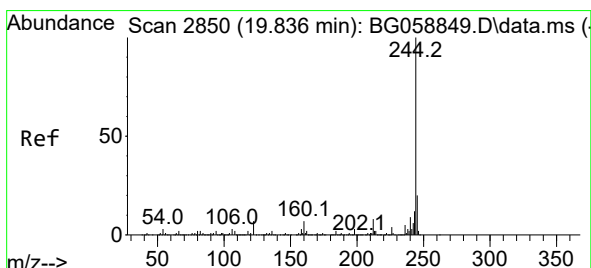
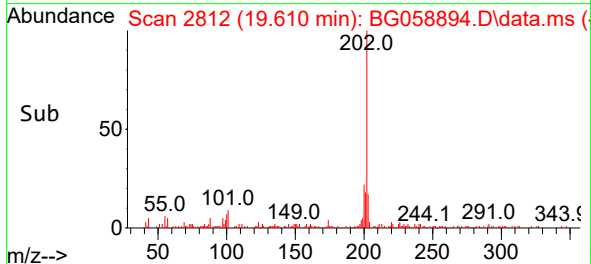
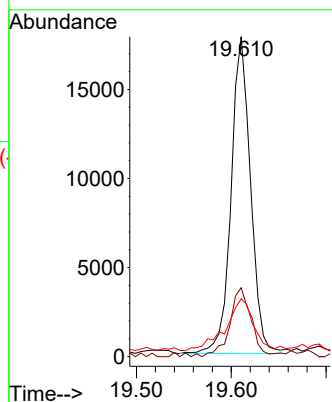
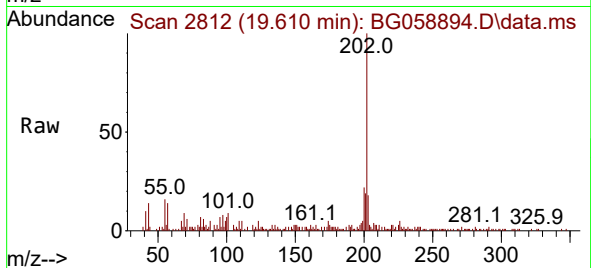




#78  
 Pyrene  
 Concen: 3.725 ng  
 RT: 19.610 min Scan# 2812  
 Delta R.T. 0.006 min  
 Lab File: BG058894.D  
 Acq: 29 Aug 2023 19:29

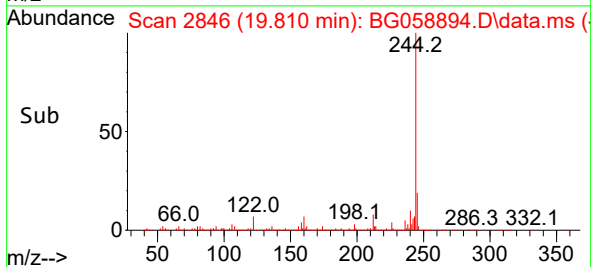
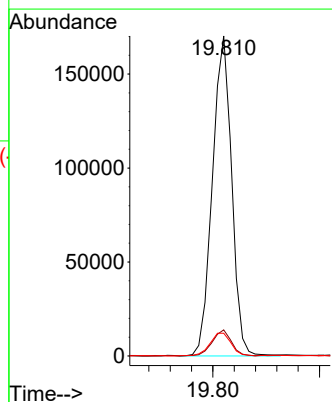
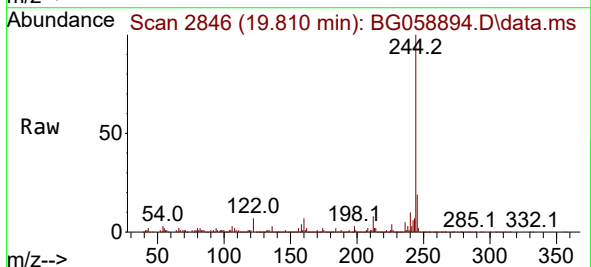
Instrument :  
 BNA\_G  
 ClientSampleId :  
 HR-02-082523

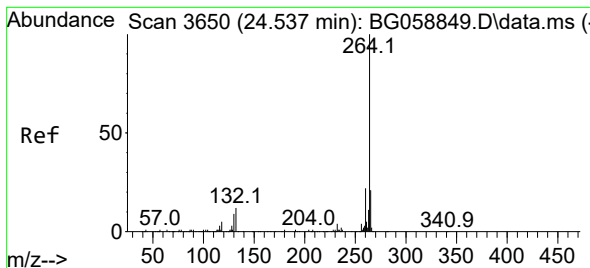
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 25366 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 200       | 21.6  | 16.7  | 25.1  |
| 203       | 18.1  | 15.3  | 22.9  |



#79  
 Terphenyl-d14  
 Concen: 39.167 ng  
 RT: 19.810 min Scan# 2846  
 Delta R.T. 0.006 min  
 Lab File: BG058894.D  
 Acq: 29 Aug 2023 19:29

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 244   | Resp: | 213192 |
| Ion Ratio | Lower | Upper |        |
| 244       | 100   |       |        |
| 212       | 8.1   | 6.2   | 9.2    |
| 122       | 7.1   | 6.3   | 9.5    |





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.493 min Scan# 3

Delta R.T. 0.024 min

Lab File: BG058894.D

Acq: 29 Aug 2023 19:29

Instrument :

BNA\_G

ClientSampleId :

HR-02-082523

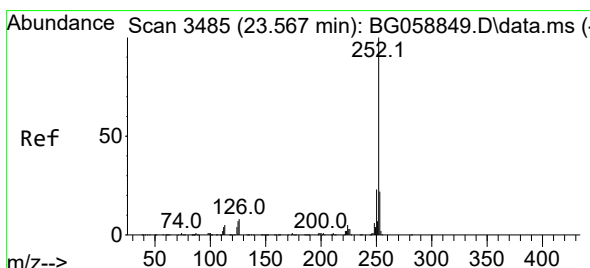
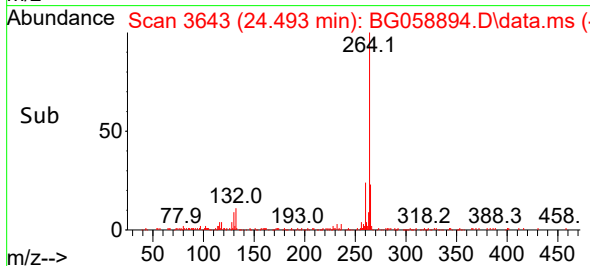
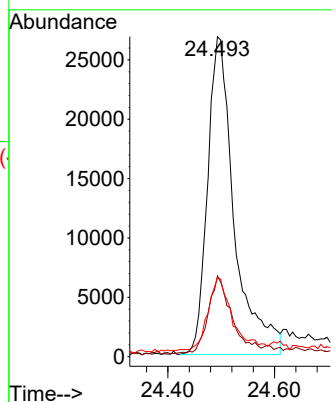
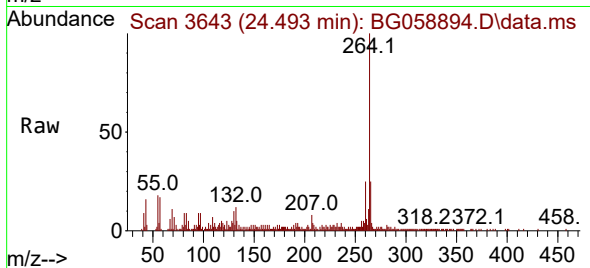
Tgt Ion:264 Resp: 93328

Ion Ratio Lower Upper

264 100

260 25.2 18.2 27.2

265 24.6 16.4 24.6#



#88

Benzo(b)fluoranthene

Concen: 2.123 ng

RT: 23.524 min Scan# 3478

Delta R.T. 0.018 min

Lab File: BG058894.D

Acq: 29 Aug 2023 19:29

Tgt Ion:252 Resp: 10996

Ion Ratio Lower Upper

252 100

253 42.5 18.4 27.6#

125 30.2 6.2 9.2#

