

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG013123\  
 Data File : BG056492.D  
 Acq On : 31 Jan 2023 19:37  
 Operator : CG/JU  
 Sample : PB150201BL  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB150201BL

Quant Time: Feb 01 01:19:51 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG012723.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Feb 01 01:15:52 2023  
 Response via : Initial Calibration

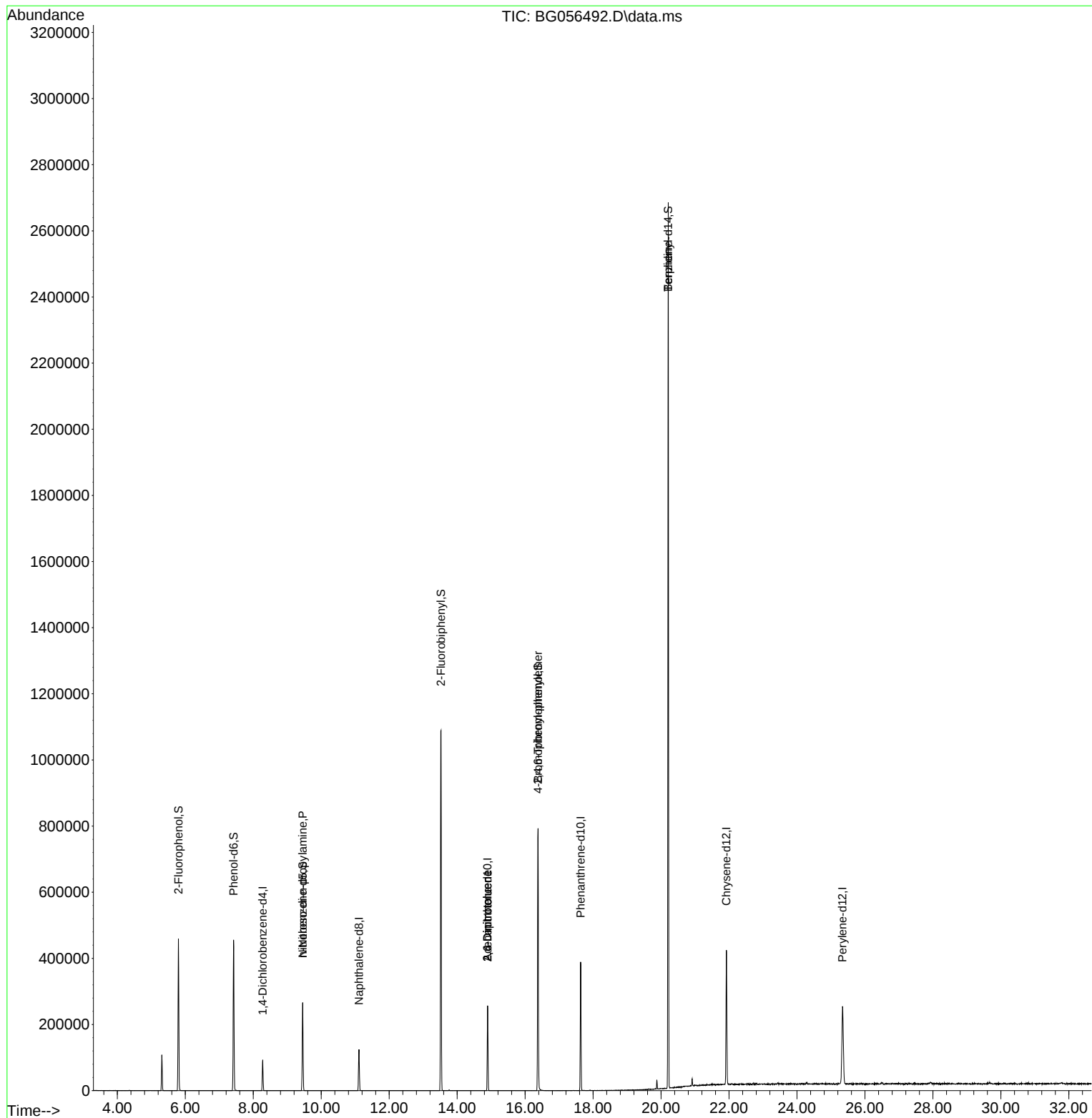
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.277  | 152  | 30320    | 20.000    | ng    | 0.00     |
| 21) Naphthalene-d8            | 11.109 | 136  | 122151   | 20.000    | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.893 | 164  | 98253    | 20.000    | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.631 | 188  | 278695   | 20.000    | ng    | 0.00     |
| 76) Chrysene-d12              | 21.920 | 240  | 280707   | 20.000    | ng    | 0.00     |
| 86) Perylene-d12              | 25.340 | 264  | 296169   | 20.000    | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.798  | 112  | 259224   | 157.277   | ng    | 0.00     |
| 7) Phenol-d6                  | 7.419  | 99   | 355595   | 145.611   | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.452  | 82   | 186479   | 86.689    | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.379 | 330  | 180700   | 138.339   | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.524 | 172  | 654932   | 92.416    | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.210 | 244  | 1472795  | 92.152    | ng    | 0.00     |
| Target Compounds              |        |      |          |           |       |          |
|                               |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde               | 7.419  | 77   | 429      | Below Cal | #     | 1        |
| 19) n-Nitroso-di-n-propyla... | 9.452  | 70   | 22858    | 16.242    | ng    | # 74     |
| 51) 2,6-Dinitrotoluene        | 14.893 | 165  | 12832    | 7.402     | ng    | # 36     |
| 57) 2,4-Dinitrotoluene        | 14.893 | 165  | 12832    | 5.255     | ng    | # 35     |
| 67) 4-Bromophenyl-phenylether | 16.374 | 248  | 14461    | 4.053     | ng    | # 1      |
| 77) Benzidine                 | 20.210 | 184  | 19299    | 2.541     | ng    | # 92     |
| -----                         |        |      |          |           |       |          |

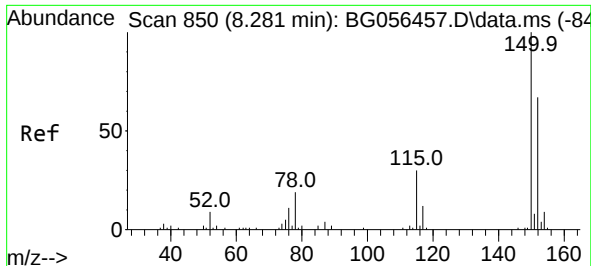
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG013123\  
Data File : BG056492.D  
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Sample : PB150201BL  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_G  
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Quant Time: Feb 01 01:19:51 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG012723.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Feb 01 01:15:52 2023  
Response via : Initial Calibration

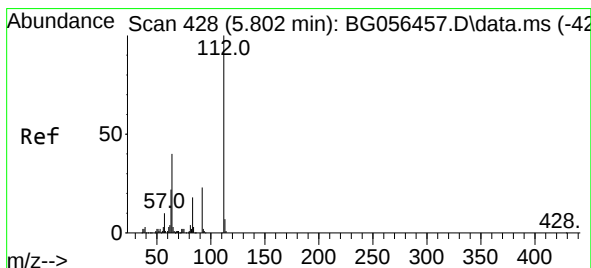
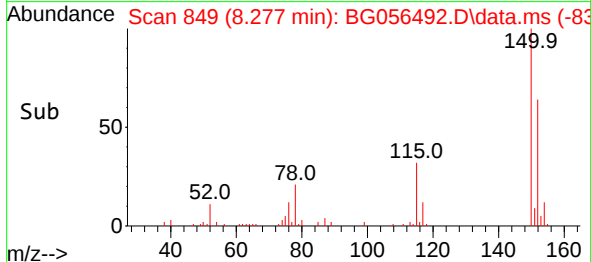
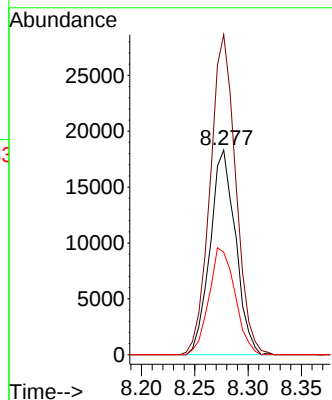
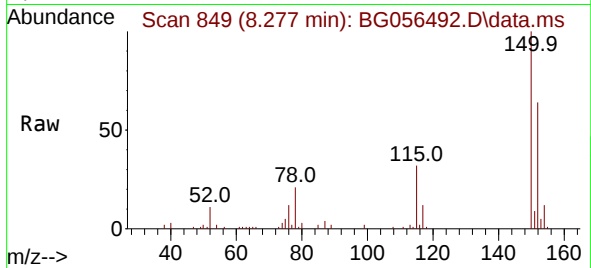




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.277 min Scan# 84  
Delta R.T. 0.002 min  
Lab File: BG056492.D  
Acq: 31 Jan 2023 19:37

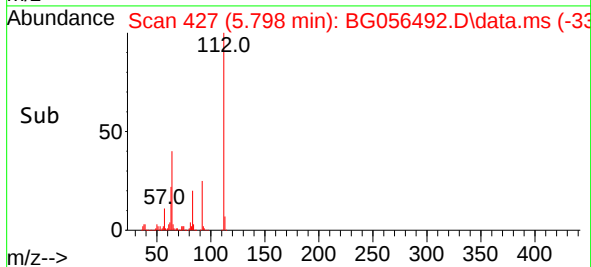
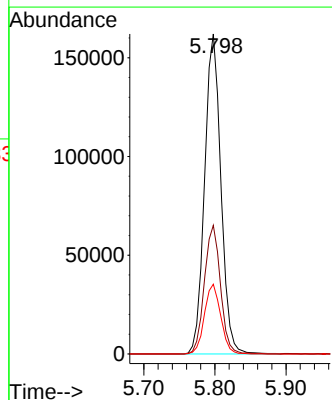
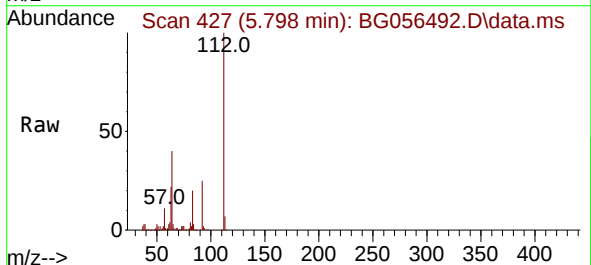
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BNA\_G  
ClientSampleId :  
PB150201BL

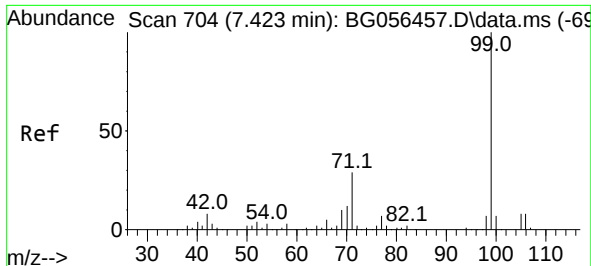
Tgt Ion:152 Resp: 30320  
Ion Ratio Lower Upper  
152 100  
150 156.3 120.2 180.4  
115 50.0 36.3 54.5



#5  
2-Fluorophenol  
Concen: 157.277 ng  
RT: 5.798 min Scan# 427  
Delta R.T. 0.002 min  
Lab File: BG056492.D  
Acq: 31 Jan 2023 19:37

Tgt Ion:112 Resp: 259224  
Ion Ratio Lower Upper  
112 100  
64 40.2 31.9 47.9  
63 21.8 17.4 26.0

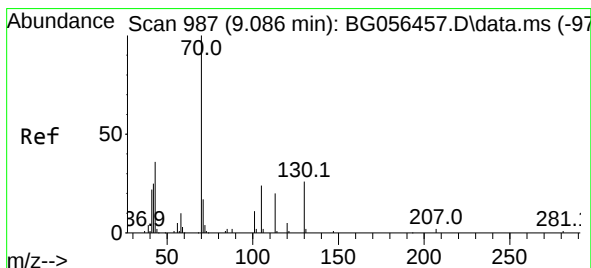
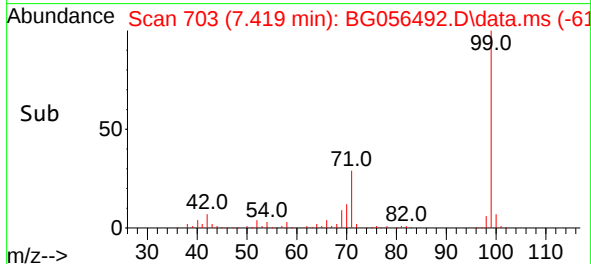
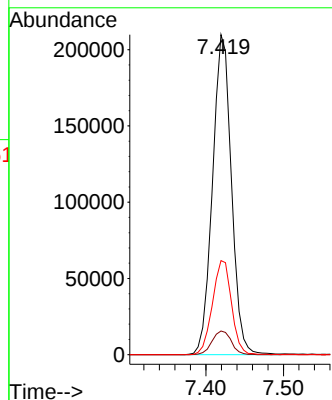
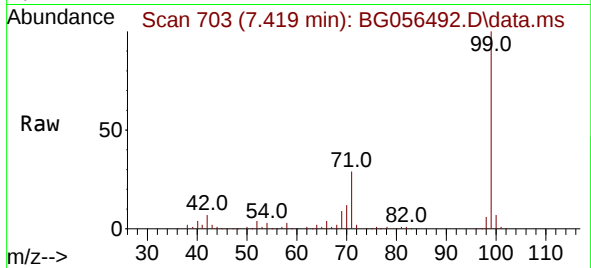




#7  
Phenol-d6  
Concen: 145.611 ng  
RT: 7.419 min Scan# 704  
Delta R.T. 0.002 min  
Lab File: BG056492.D  
Acq: 31 Jan 2023 19:37

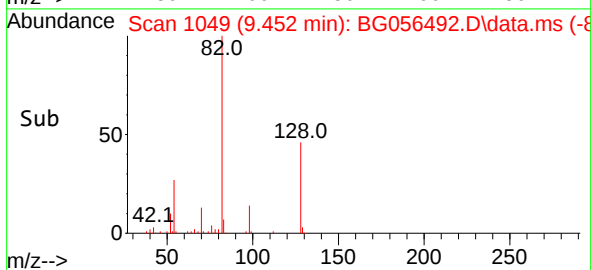
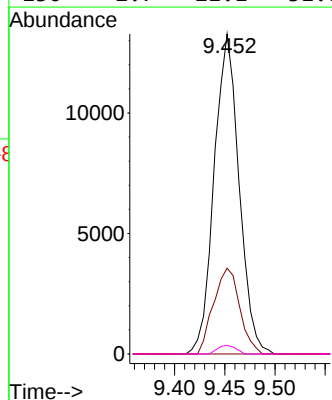
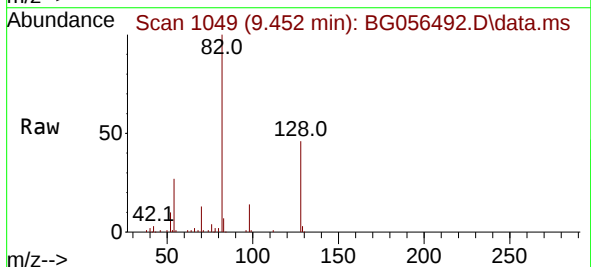
Instrument :  
BNA\_G  
ClientSampleId :  
PB150201BL

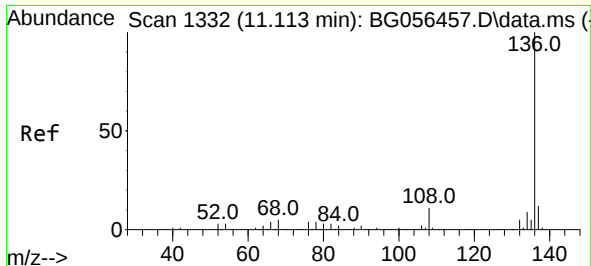
Tgt Ion: 99 Resp: 355595  
Ion Ratio Lower Upper  
99 100  
42 7.4 6.6 10.0  
71 29.4 23.4 35.0



#19  
n-Nitroso-di-n-propylamine  
Concen: 16.242 ng  
RT: 9.452 min Scan# 1049  
Delta R.T. 0.372 min  
Lab File: BG056492.D  
Acq: 31 Jan 2023 19:37

Tgt Ion: 70 Resp: 22858  
Ion Ratio Lower Upper  
70 100  
42 26.8 20.2 30.4  
101 0.0 9.1 13.7#  
130 2.7 21.1 31.7#

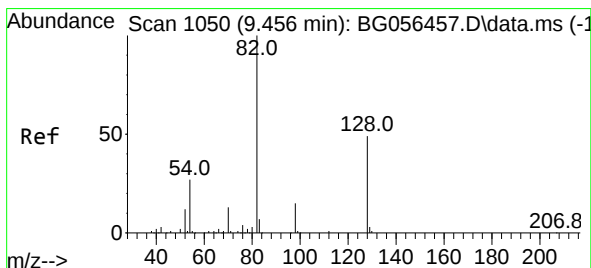
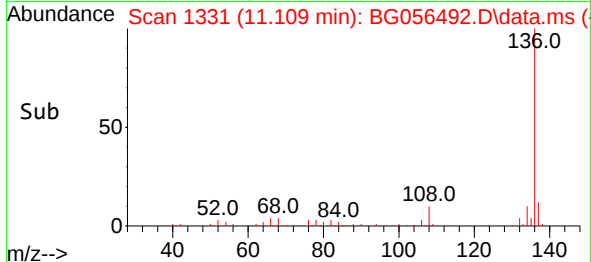
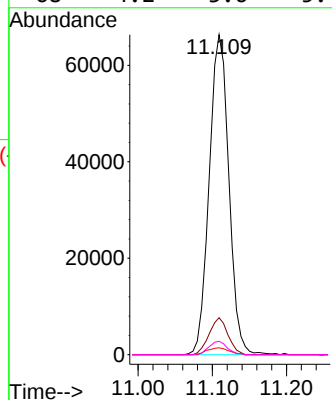
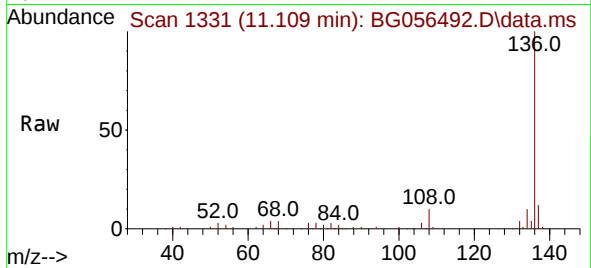




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.109 min Scan# 11  
Delta R.T. 0.002 min  
Lab File: BG056492.D  
Acq: 31 Jan 2023 19:37

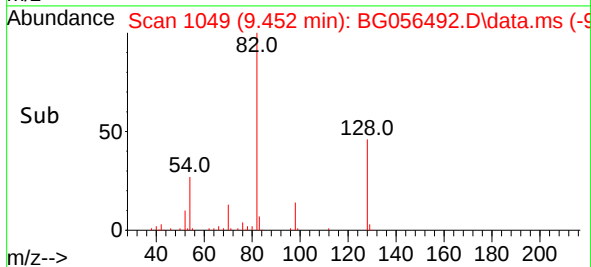
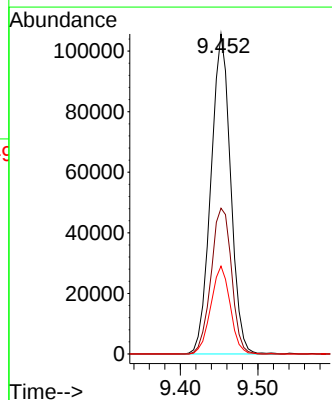
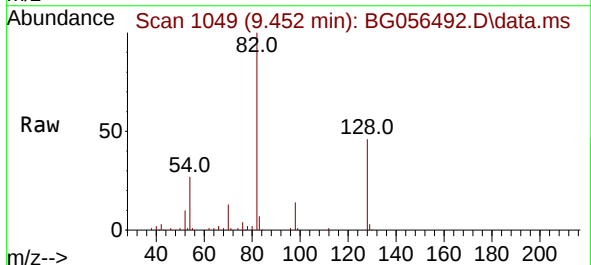
Instrument :  
BNA\_G  
ClientSampleId :  
PB150201BL

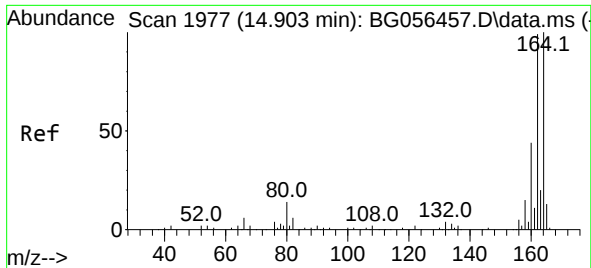
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 122151 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 11.5  | 9.4   | 14.0   |
| 54        | 2.1   | 2.2   | 3.4#   |
| 68        | 4.2   | 3.6   | 5.4    |



#23  
Nitrobenzene-d5  
Concen: 86.689 ng  
RT: 9.452 min Scan# 1049  
Delta R.T. -0.004 min  
Lab File: BG056492.D  
Acq: 31 Jan 2023 19:37

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 82    | Resp: | 186479 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 45.6  | 39.4  | 59.2   |
| 54        | 27.5  | 21.4  | 32.2   |

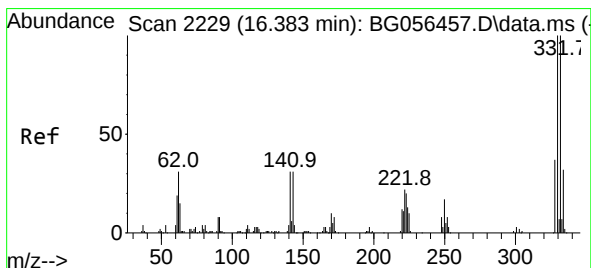
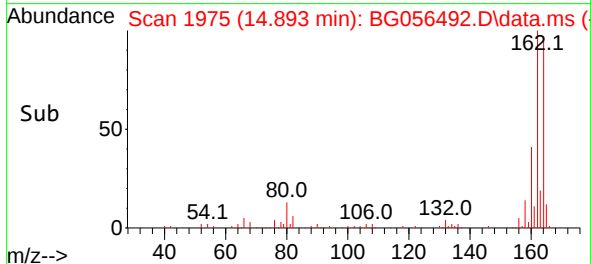
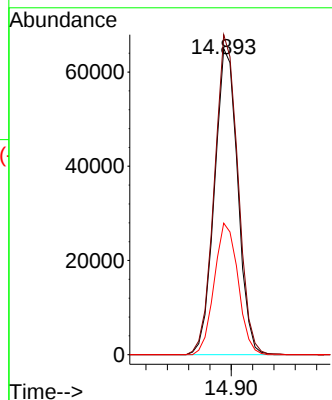
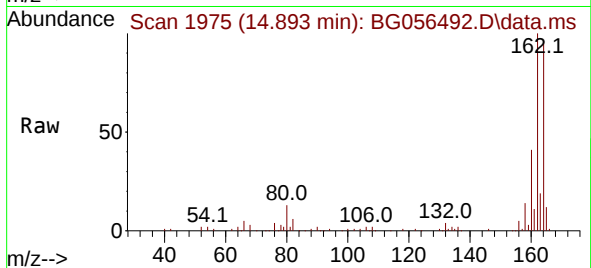




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.893 min Scan# 1975  
Delta R.T. -0.004 min  
Lab File: BG056492.D  
Acq: 31 Jan 2023 19:37

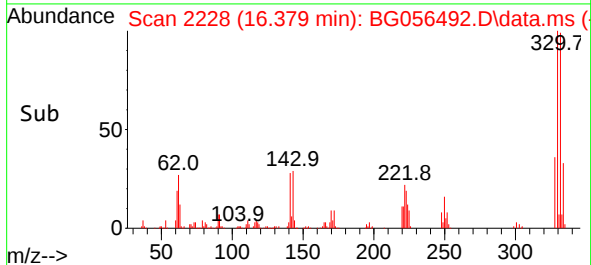
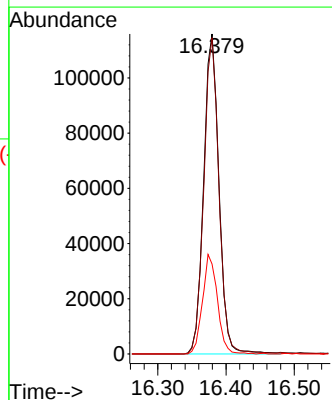
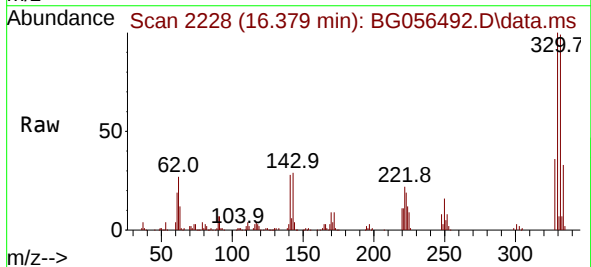
Instrument :  
BNA\_G  
ClientSampleId :  
PB150201BL

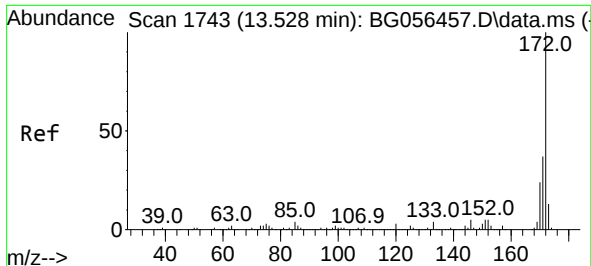
Tgt Ion:164 Resp: 98253  
Ion Ratio Lower Upper  
164 100  
162 104.5 79.6 119.4  
160 43.0 34.9 52.3



#42  
2,4,6-Tribromophenol  
Concen: 138.339 ng  
RT: 16.379 min Scan# 2228  
Delta R.T. 0.002 min  
Lab File: BG056492.D  
Acq: 31 Jan 2023 19:37

Tgt Ion:330 Resp: 180700  
Ion Ratio Lower Upper  
330 100  
332 97.9 79.0 118.6  
141 30.2 24.2 36.4

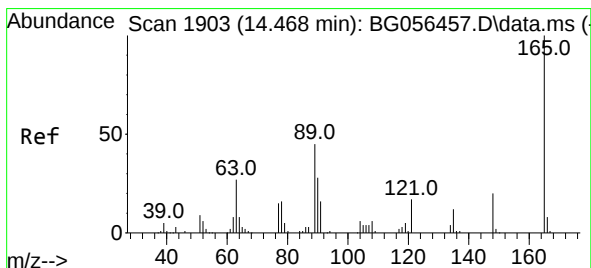
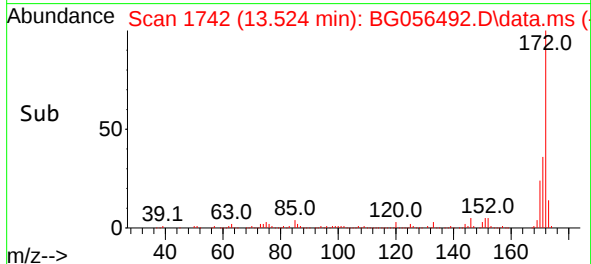
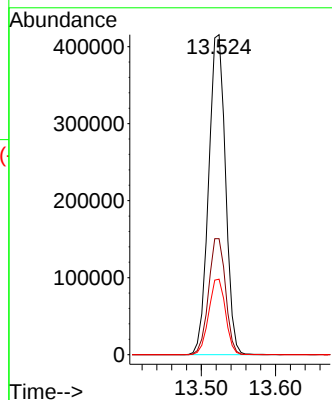
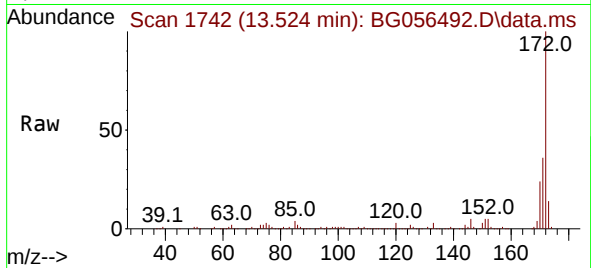




#45  
 2-Fluorobiphenyl  
 Concen: 92.416 ng  
 RT: 13.524 min Scan# 1  
 Delta R.T. 0.002 min  
 Lab File: BG056492.D  
 Acq: 31 Jan 2023 19:37

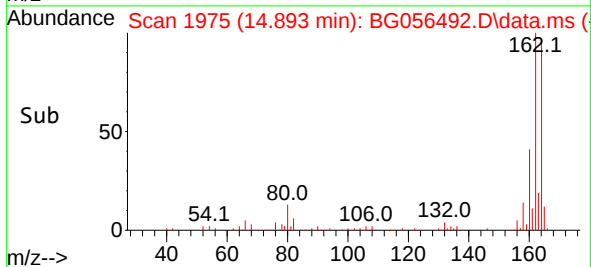
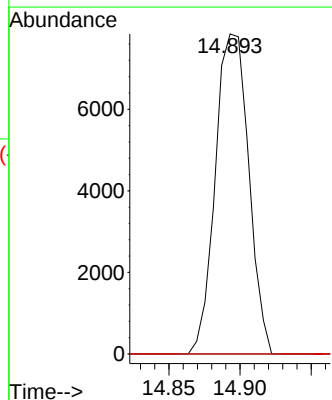
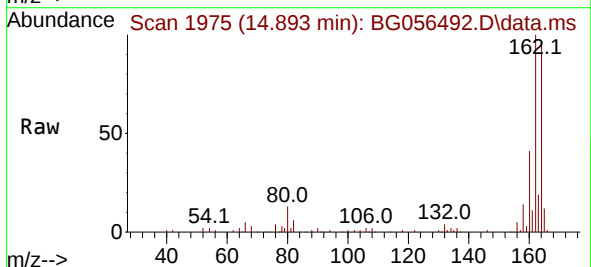
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB150201BL

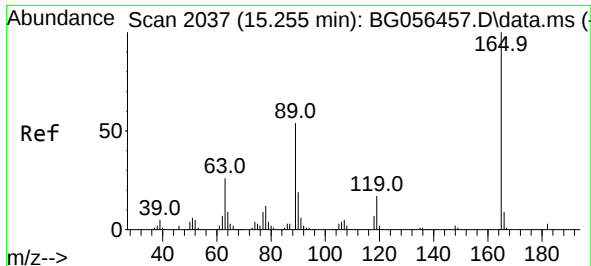
Tgt Ion:172 Resp: 654932  
 Ion Ratio Lower Upper  
 172 100  
 171 36.2 29.5 44.3  
 170 23.6 19.2 28.8



#51  
 2,6-Dinitrotoluene  
 Concen: 7.402 ng  
 RT: 14.893 min Scan# 1975  
 Delta R.T. 0.425 min  
 Lab File: BG056492.D  
 Acq: 31 Jan 2023 19:37

Tgt Ion:165 Resp: 12832  
 Ion Ratio Lower Upper  
 165 100  
 63 0.0 26.9 40.3#  
 89 0.0 35.6 53.4#





#57

2,4-Dinitrotoluene

Concen: 5.255 ng

RT: 14.893 min Scan# 1975

Delta R.T. -0.357 min

Lab File: BG056492.D

Acq: 31 Jan 2023 19:37

Instrument :

BNA\_G

ClientSampleId :

PB150201BL

Tgt Ion:165 Resp: 12832

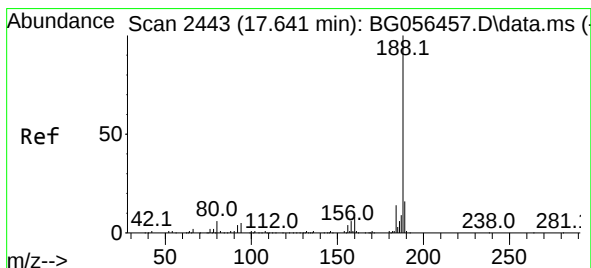
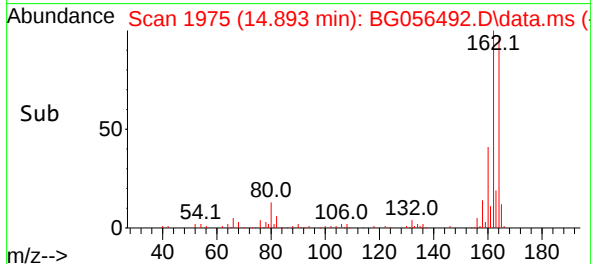
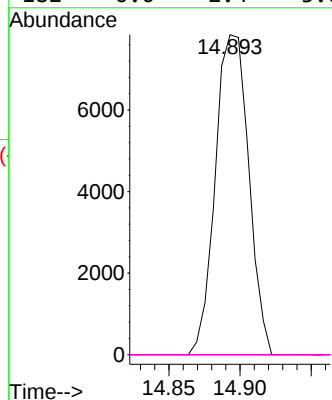
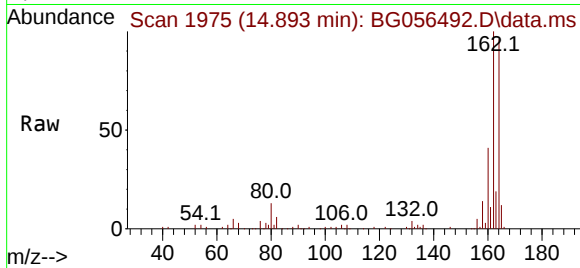
Ion Ratio Lower Upper

165 100

63 0.0 20.6 31.0#

89 0.0 43.1 64.7#

182 0.0 2.4 3.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.631 min Scan# 2441

Delta R.T. -0.004 min

Lab File: BG056492.D

Acq: 31 Jan 2023 19:37

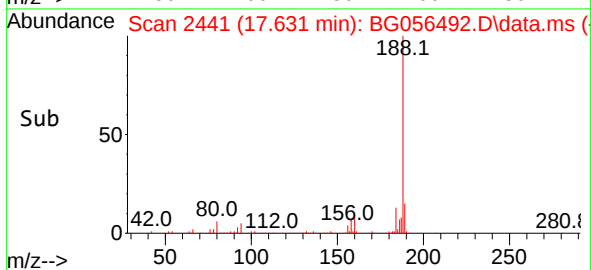
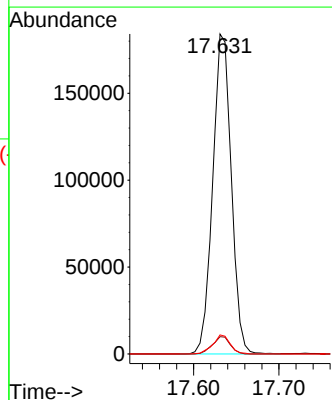
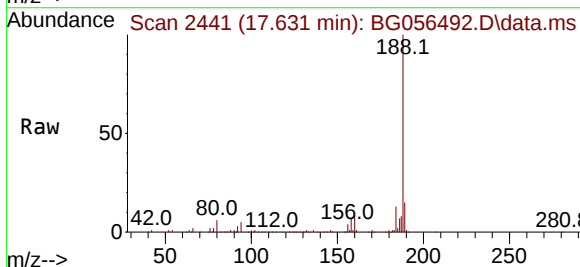
Tgt Ion:188 Resp: 278695

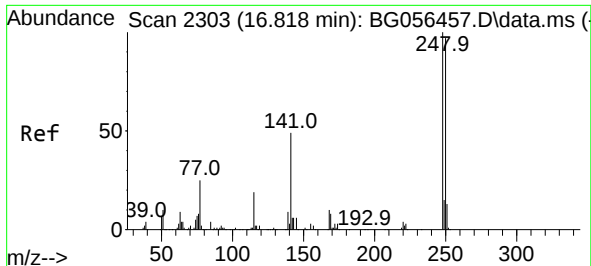
Ion Ratio Lower Upper

188 100

94 5.4 4.1 6.1

80 6.0 5.0 7.4

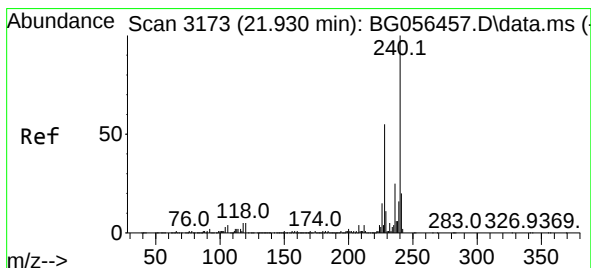
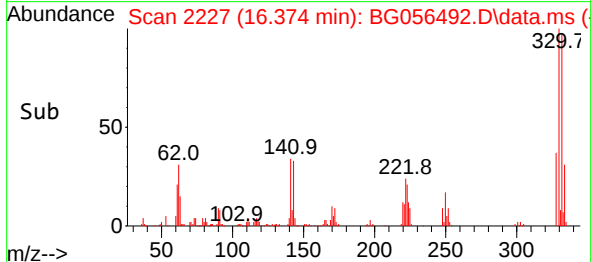
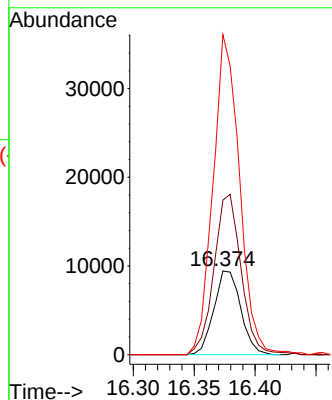
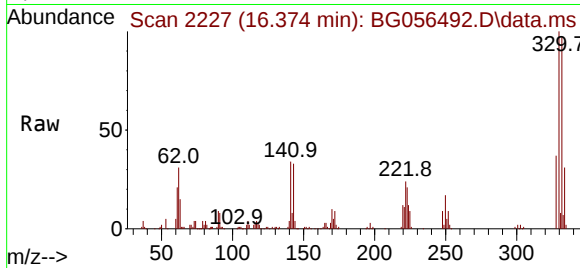




#67  
4-Bromophenyl-phenylether  
Concen: 4.053 ng  
RT: 16.374 min Scan# 21  
Delta R.T. -0.439 min  
Lab File: BG056492.D  
Acq: 31 Jan 2023 19:37

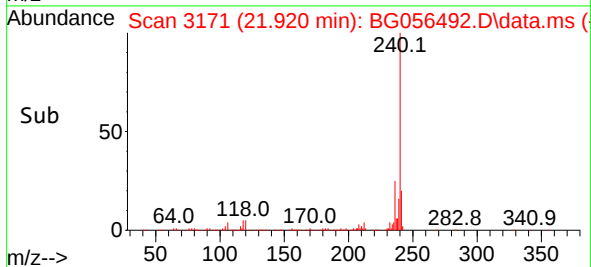
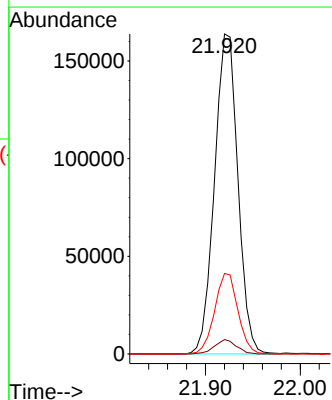
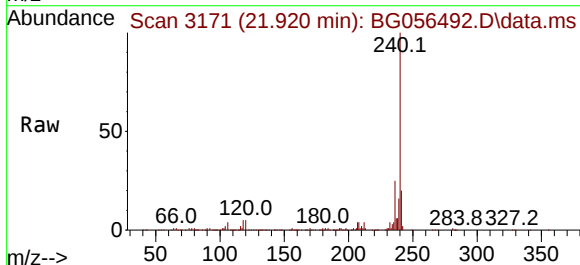
Instrument :  
BNA\_G  
ClientSampleId :  
PB150201BL

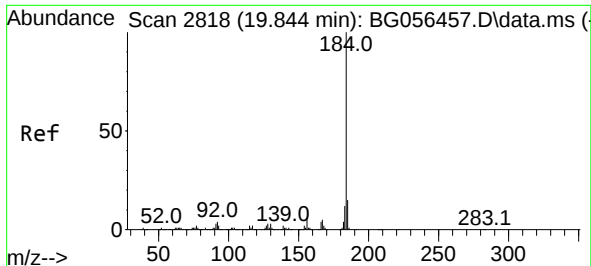
Tgt Ion:248 Resp: 14461  
Ion Ratio Lower Upper  
248 100  
250 184.8 77.6 116.4#  
141 382.4 39.0 58.4#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.920 min Scan# 3171  
Delta R.T. -0.004 min  
Lab File: BG056492.D  
Acq: 31 Jan 2023 19:37

Tgt Ion:240 Resp: 280707  
Ion Ratio Lower Upper  
240 100  
120 4.5 3.8 5.8  
236 25.2 20.2 30.2

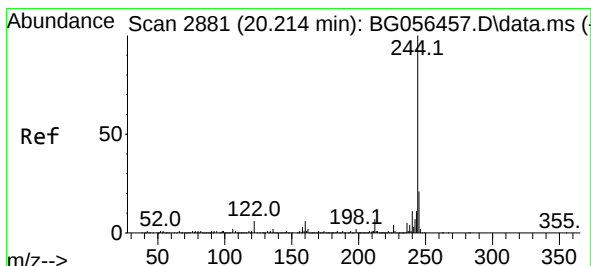
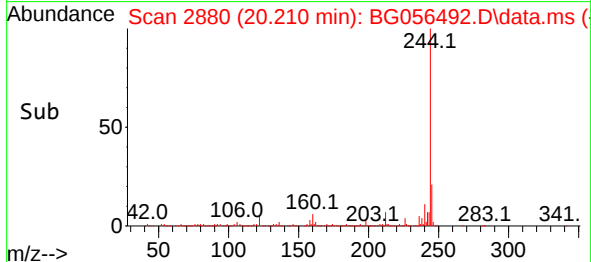
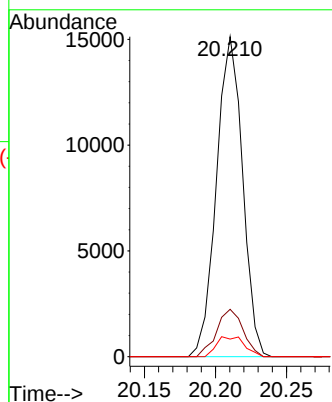
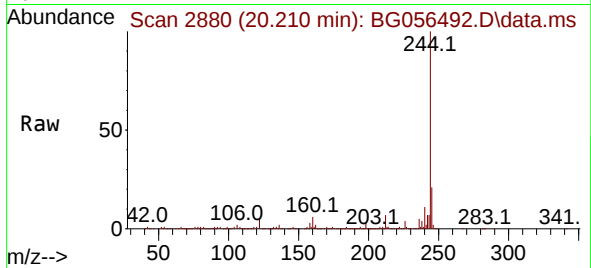




#77  
Benzidine  
Concen: 2.541 ng  
RT: 20.210 min Scan# 2880  
Delta R.T. 0.372 min  
Lab File: BG056492.D  
Acq: 31 Jan 2023 19:37

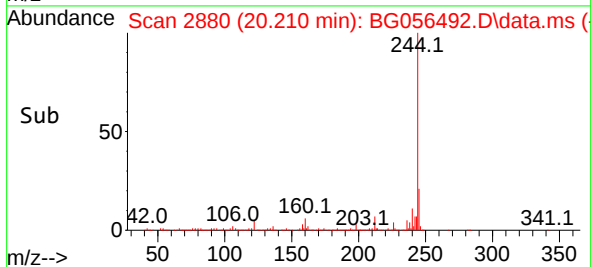
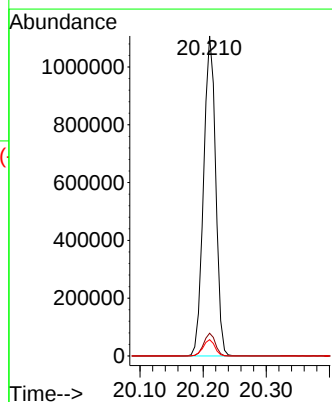
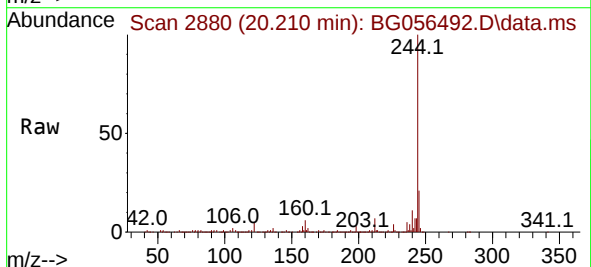
Instrument :  
BNA\_G  
ClientSampleId :  
PB150201BL

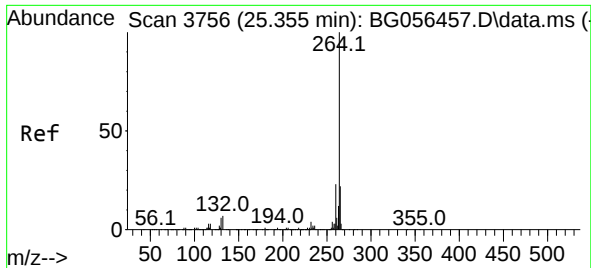
Tgt Ion:184 Resp: 19299  
Ion Ratio Lower Upper  
184 100  
185 14.8 12.3 18.5  
183 5.5 9.8 14.8#



#79  
Terphenyl-d14  
Concen: 92.152 ng  
RT: 20.210 min Scan# 2880  
Delta R.T. 0.002 min  
Lab File: BG056492.D  
Acq: 31 Jan 2023 19:37

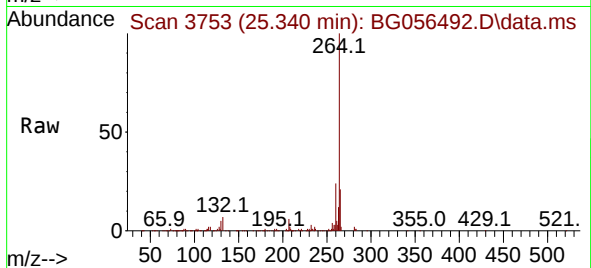
Tgt Ion:244 Resp: 1472795  
Ion Ratio Lower Upper  
244 100  
212 7.1 5.5 8.3  
122 5.1 4.4 6.6





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 25.340 min Scan# 31  
 Delta R.T. -0.004 min  
 Lab File: BG056492.D  
 Acq: 31 Jan 2023 19:37

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB150201BL



Tgt Ion:264 Resp: 296169  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.0  | 18.2  | 27.4  |
| 265 | 21.3  | 18.1  | 27.1  |

