

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG052323\  
 Data File : BG057521.D  
 Acq On : 23 May 2023 15:56  
 Operator : CG/JU  
 Sample : 02892-04  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-31

Quant Time: May 23 16:40:32 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG042723.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat May 20 04:19:55 2023  
 Response via : Initial Calibration

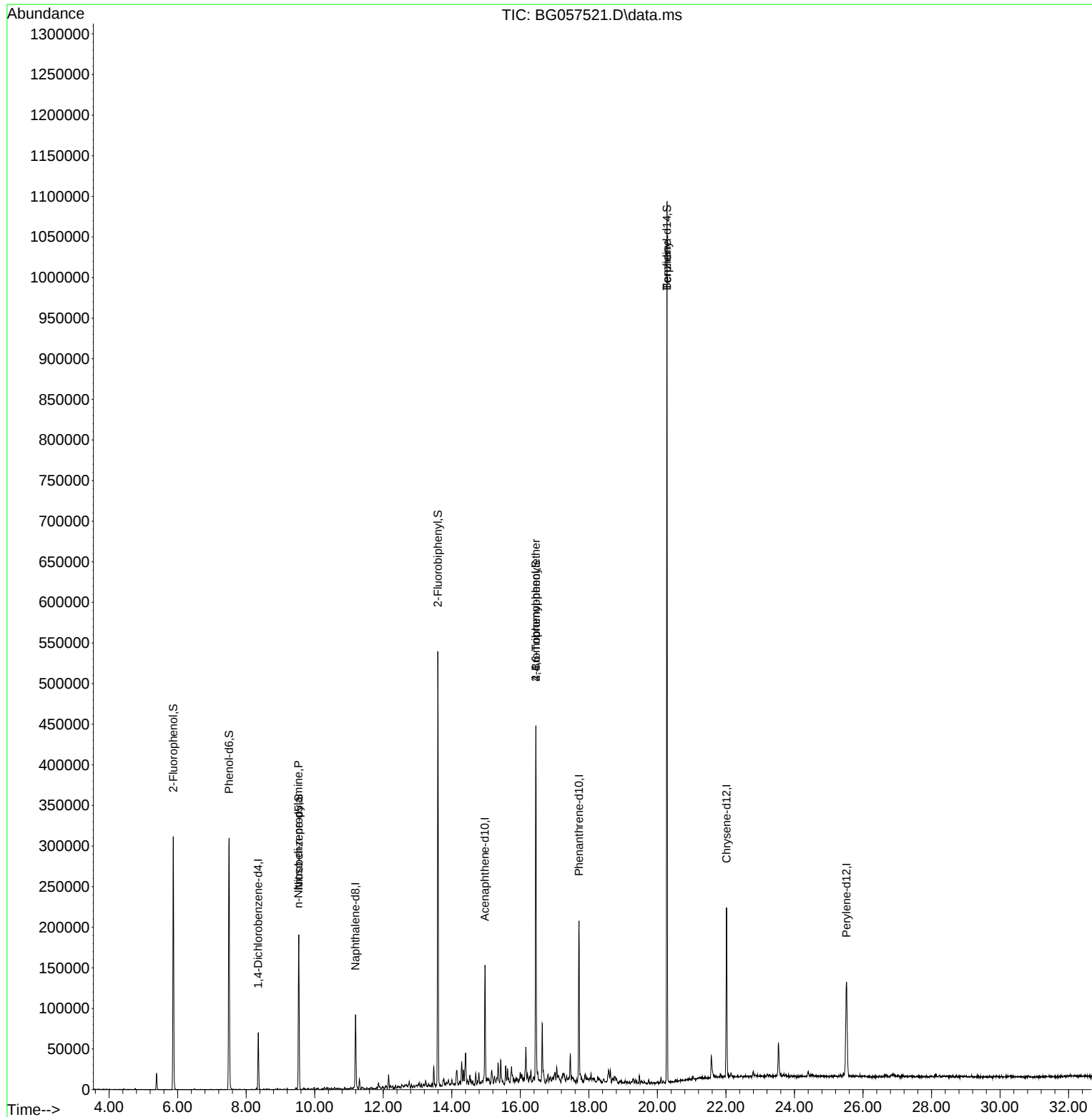
| Compound                      | R.T.   | QIon | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|--------|----------|
| -----                         |        |      |          |           |        |          |
| Internal Standards            |        |      |          |           |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.354  | 152  | 20438    | 20.000    | ng     | 0.00     |
| 21) Naphthalene-d8            | 11.191 | 136  | 78172    | 20.000    | ng     | 0.00     |
| 39) Acenaphthene-d10          | 14.969 | 164  | 55009    | 20.000    | ng     | 0.00     |
| 64) Phenanthrene-d10          | 17.712 | 188  | 131304   | 20.000    | ng     | 0.00     |
| 76) Chrysene-d12              | 22.018 | 240  | 136262   | 20.000    | ng     | 0.00     |
| 86) Perylene-d12              | 25.519 | 264  | 146095   | 20.000    | ng     | 0.00     |
| System Monitoring Compounds   |        |      |          |           |        |          |
| 5) 2-Fluorophenol             | 5.875  | 112  | 136819   | 114.514   | ng     | 0.00     |
| 7) Phenol-d6                  | 7.502  | 99   | 196814   | 108.478   | ng     | 0.00     |
| 23) Nitrobenzene-d5           | 9.535  | 82   | 121102   | 65.020    | ng     | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.455 | 330  | 90613    | 116.093   | ng     | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.594 | 172  | 279125   | 68.339    | ng     | 0.00     |
| 79) Terphenyl-d14             | 20.279 | 244  | 562000   | 67.307    | ng     | 0.00     |
| Target Compounds              |        |      |          |           |        |          |
| 9) Benzaldehyde               | 7.496  | 77   | 235      | Below Cal | Qvalue | # 4      |
| 19) n-Nitroso-di-n-propyla... | 9.529  | 70   | 17076    | 12.343    | ng     | # 77     |
| 67) 4-Bromophenyl-phenylether | 16.455 | 248  | 6490     | 4.049     | ng     | # 1      |
| 77) Benzidine                 | 20.279 | 184  | 7927     | 2.602     | ng     | # 89     |
| -----                         |        |      |          |           |        |          |

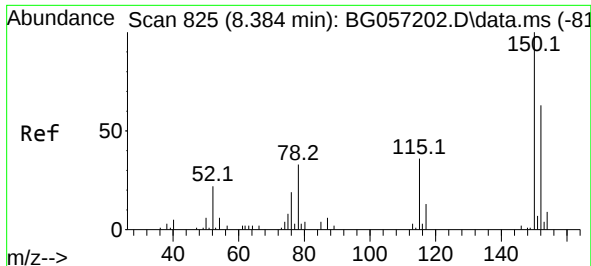
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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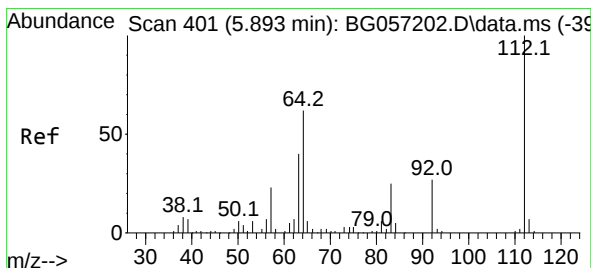
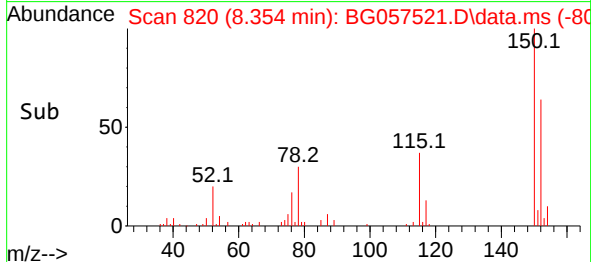
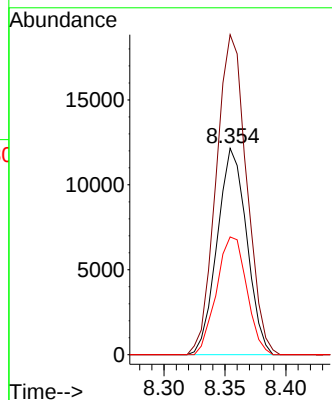
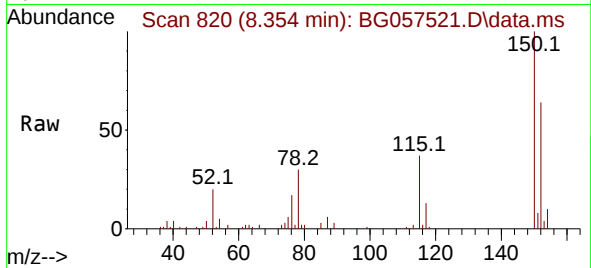




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.354 min Scan# 81  
Delta R.T. -0.008 min  
Lab File: BG057521.D  
Acq: 23 May 2023 15:56

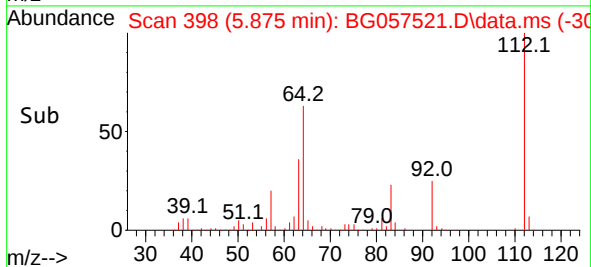
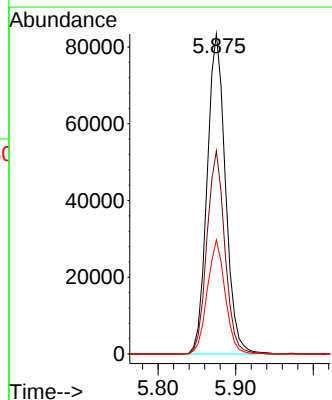
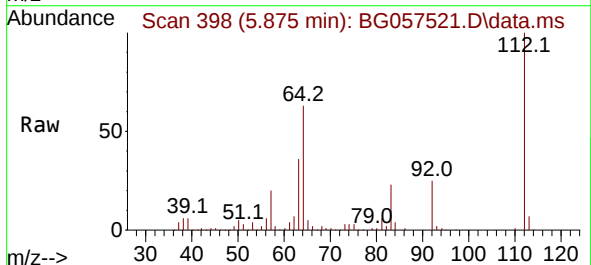
Instrument :  
BNA\_G  
ClientSampleId :  
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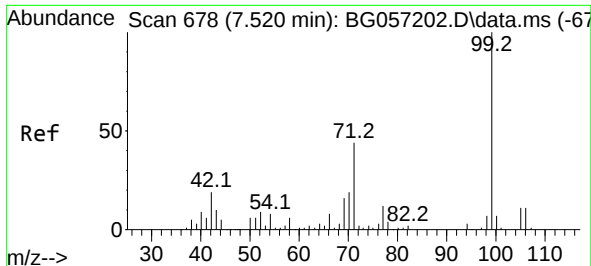
Tgt Ion:152 Resp: 20438  
Ion Ratio Lower Upper  
152 100  
150 155.0 126.2 189.4  
115 57.0 45.0 67.4



#5  
2-Fluorophenol  
Concen: 114.514 ng  
RT: 5.875 min Scan# 398  
Delta R.T. 0.004 min  
Lab File: BG057521.D  
Acq: 23 May 2023 15:56

Tgt Ion:112 Resp: 136819  
Ion Ratio Lower Upper  
112 100  
64 63.5 49.4 74.2  
63 35.7 31.6 47.4

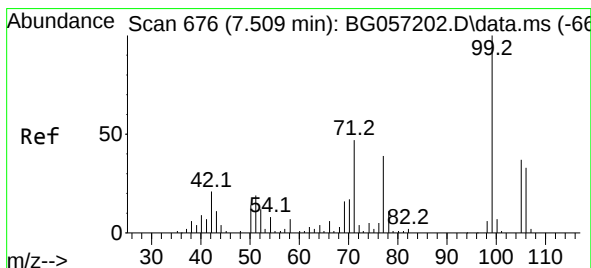
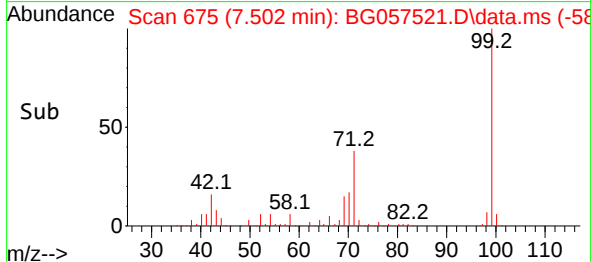
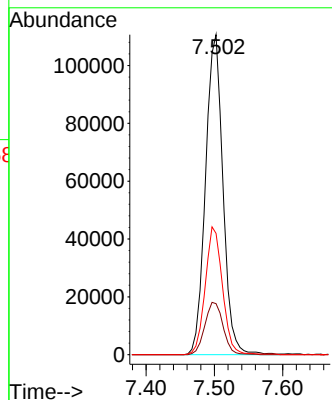
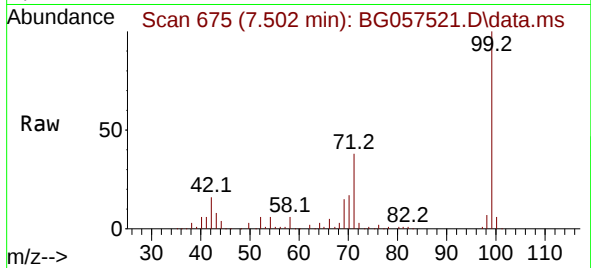




#7  
Phenol-d6  
Concen: 108.478 ng  
RT: 7.502 min Scan# 61  
Delta R.T. 0.004 min  
Lab File: BG057521.D  
Acq: 23 May 2023 15:56

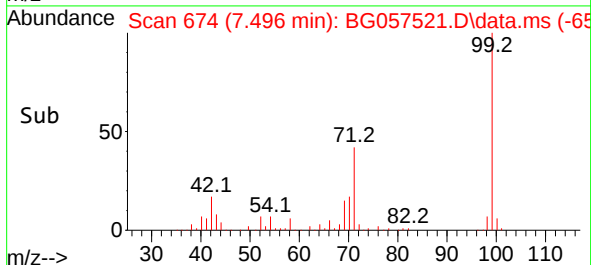
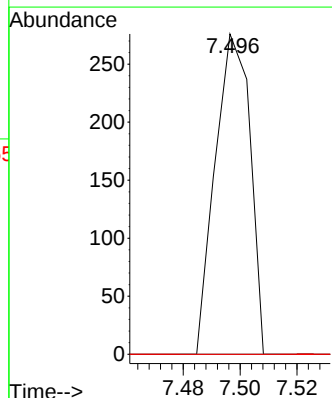
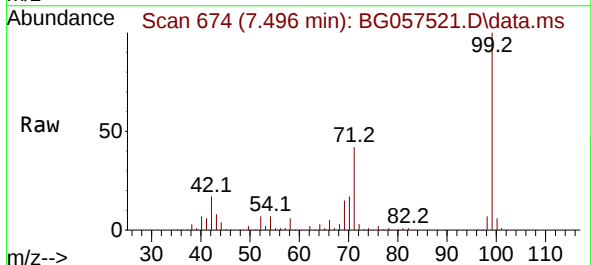
Instrument :  
BNA\_G  
ClientSampleId :  
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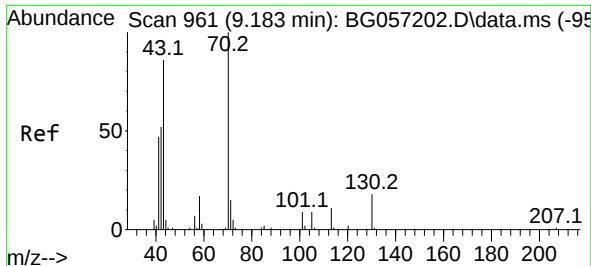
Tgt Ion: 99 Resp: 196814  
Ion Ratio Lower Upper  
99 100  
42 16.0 15.1 22.7  
71 37.9 35.2 52.8



#9  
Benzaldehyde  
Concen: Below Cal  
RT: 7.496 min Scan# 674  
Delta R.T. 0.010 min  
Lab File: BG057521.D  
Acq: 23 May 2023 15:56

Tgt Ion: 77 Resp: 235  
Ion Ratio Lower Upper  
77 100  
105 0.0 74.6 114.6#  
106 0.0 66.3 106.3#

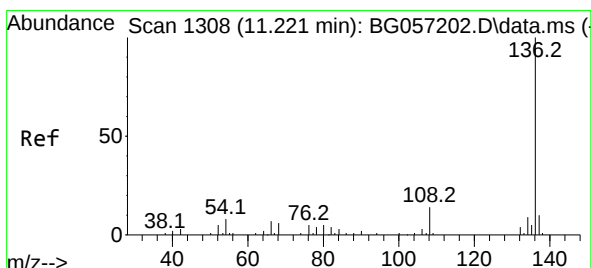
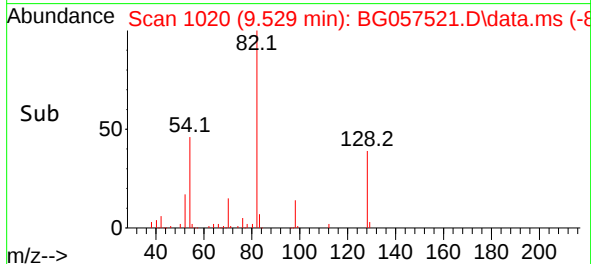
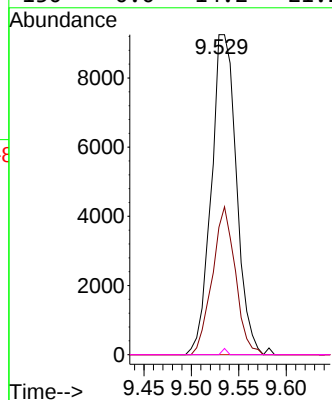
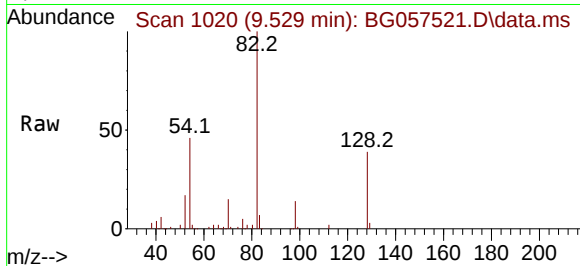




#19  
n-Nitroso-di-n-propylamine  
Concen: 12.343 ng  
RT: 9.529 min Scan# 1020  
Delta R.T. 0.368 min  
Lab File: BG057521.D  
Acq: 23 May 2023 15:56

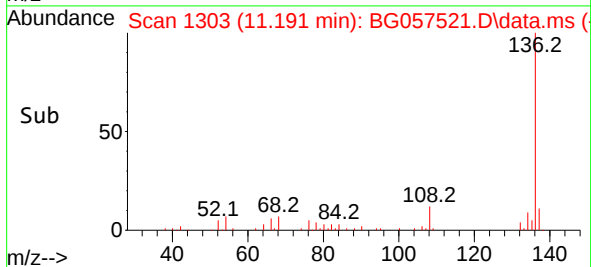
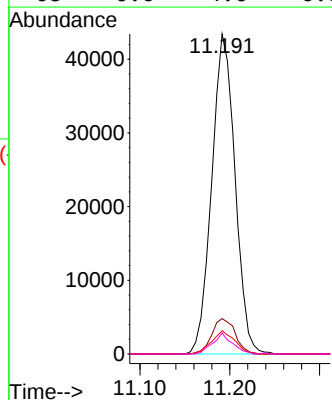
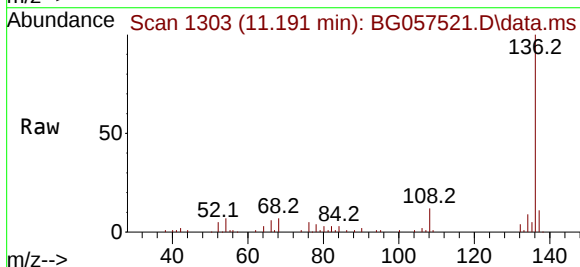
Instrument :  
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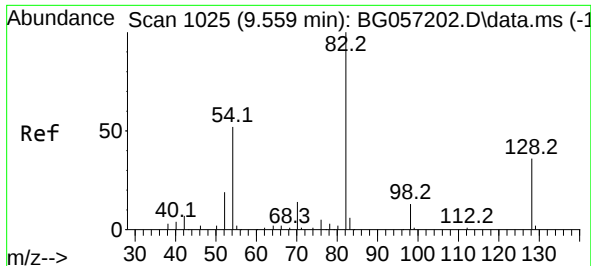
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 70    | Resp: | 17076 |
| Ion      | Ratio | Lower | Upper |
| 70       | 100   |       |       |
| 42       | 39.8  | 41.8  | 62.8# |
| 101      | 0.0   | 6.8   | 10.2# |
| 130      | 0.0   | 14.2  | 21.2# |



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.191 min Scan# 1303  
Delta R.T. -0.008 min  
Lab File: BG057521.D  
Acq: 23 May 2023 15:56

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 78172 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 11.1  | 8.3   | 12.5  |
| 54       | 7.3   | 6.7   | 10.1  |
| 68       | 6.6   | 4.6   | 6.8   |





#23

Nitrobenzene-d5

Concen: 65.020 ng

RT: 9.535 min Scan# 1021

Delta R.T. -0.002 min

Lab File: BG057521.D

Acq: 23 May 2023 15:56

Instrument :

BNA\_G

ClientSampleId :

TP-31

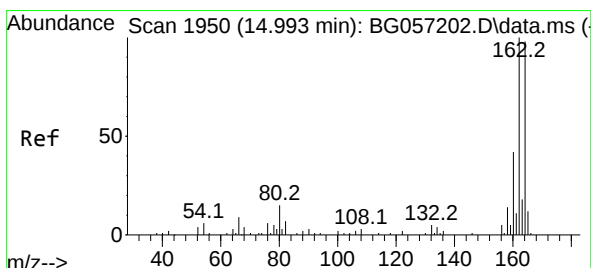
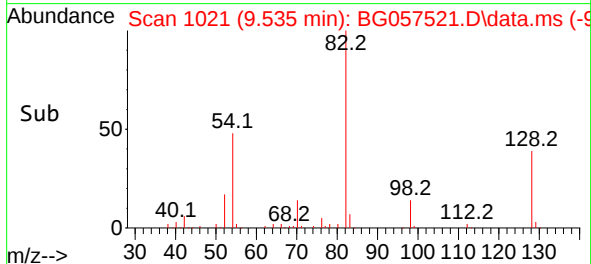
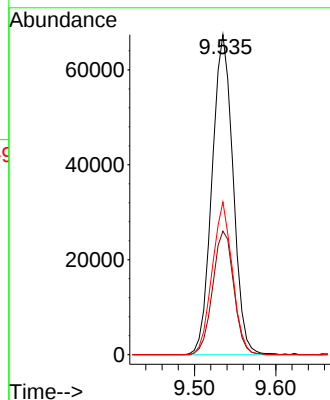
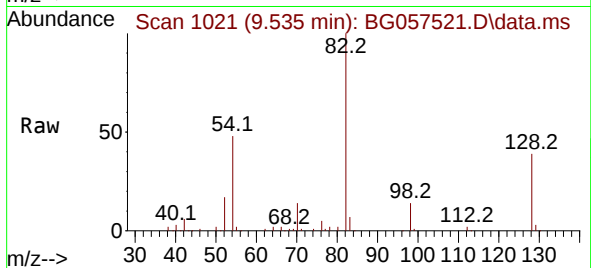
Tgt Ion: 82 Resp: 121102

Ion Ratio Lower Upper

82 100

128 38.6 29.0 43.4

54 47.8 41.4 62.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.969 min Scan# 1946

Delta R.T. -0.008 min

Lab File: BG057521.D

Acq: 23 May 2023 15:56

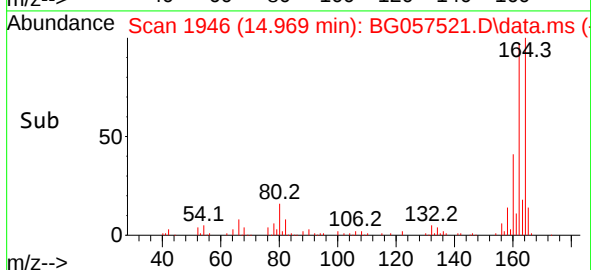
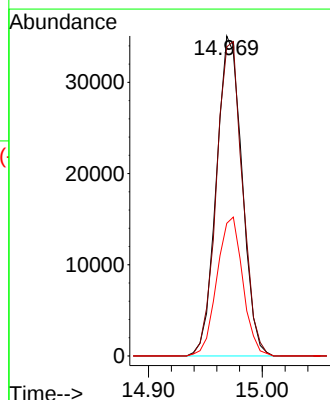
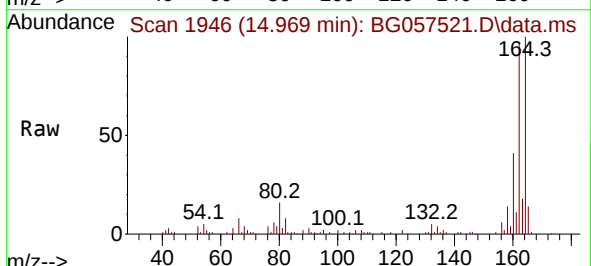
Tgt Ion:164 Resp: 55009

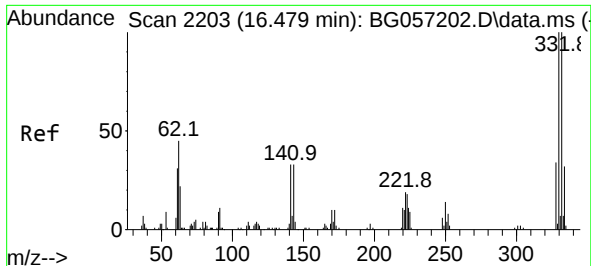
Ion Ratio Lower Upper

164 100

162 96.6 81.8 122.6

160 41.4 34.6 52.0

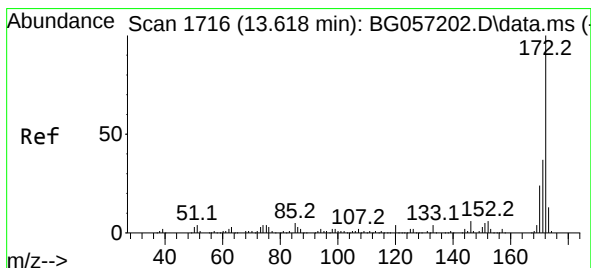
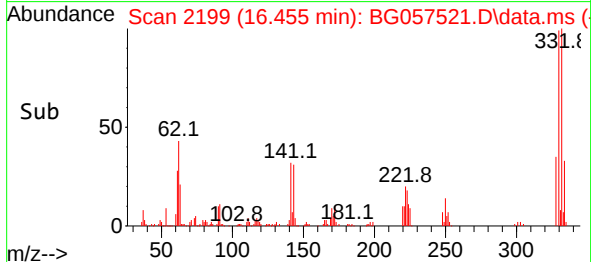
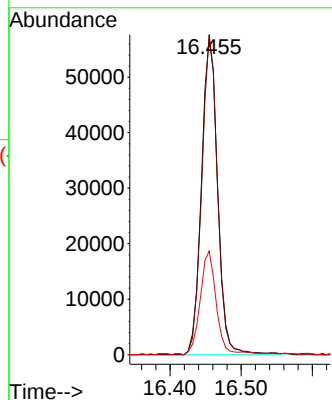
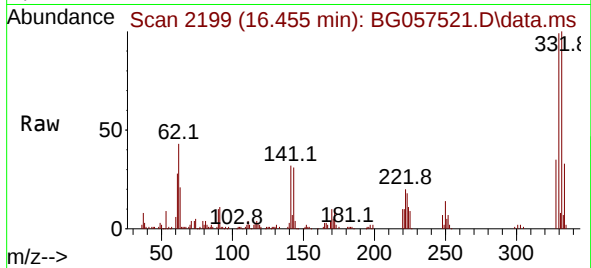




#42  
2,4,6-Tribromophenol  
Concen: 116.093 ng  
RT: 16.455 min Scan# 21  
Delta R.T. -0.002 min  
Lab File: BG057521.D  
Acq: 23 May 2023 15:56

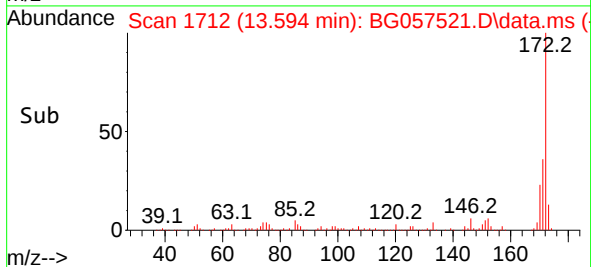
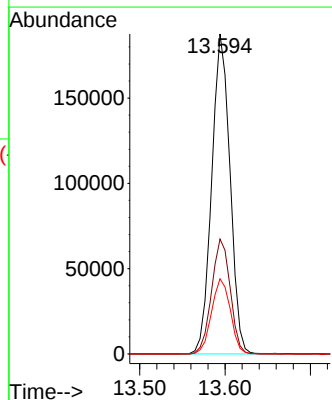
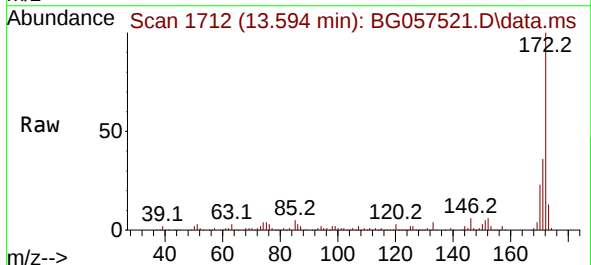
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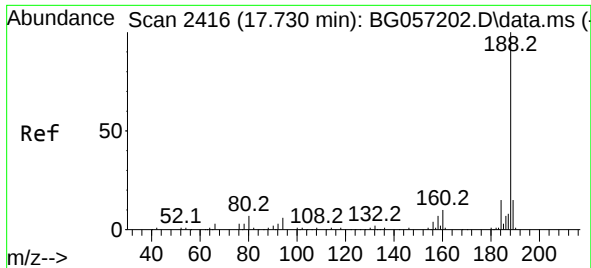
Tgt Ion:330 Resp: 90613  
Ion Ratio Lower Upper  
330 100  
332 98.5 78.2 117.2  
141 32.8 27.8 41.8



#45  
2-Fluorobiphenyl  
Concen: 68.339 ng  
RT: 13.594 min Scan# 1712  
Delta R.T. -0.008 min  
Lab File: BG057521.D  
Acq: 23 May 2023 15:56

Tgt Ion:172 Resp: 279125  
Ion Ratio Lower Upper  
172 100  
171 35.9 29.4 44.0  
170 23.5 19.0 28.6

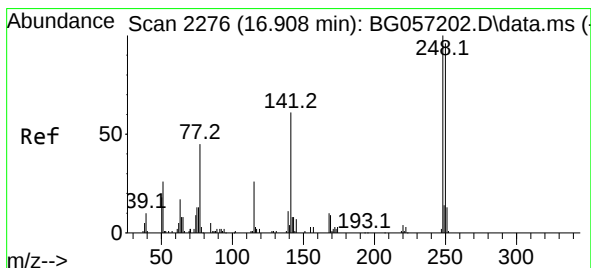
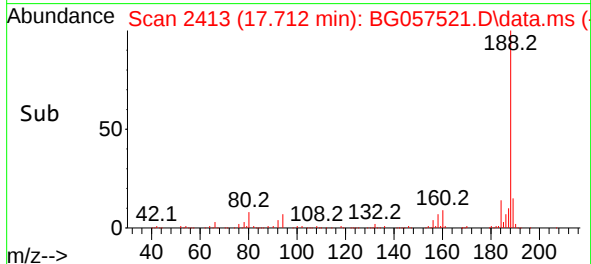
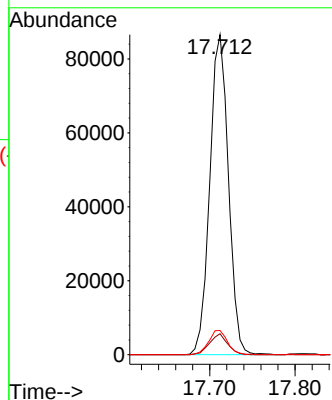
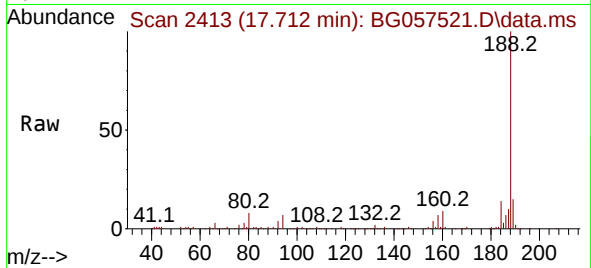




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.712 min Scan# 2416  
Delta R.T. -0.002 min  
Lab File: BG057521.D  
Acq: 23 May 2023 15:56

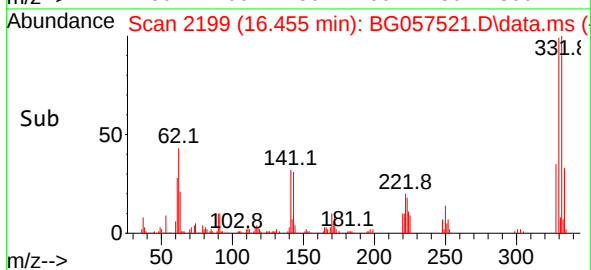
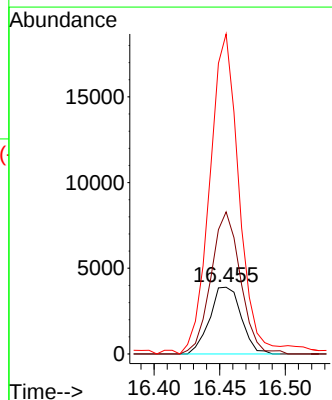
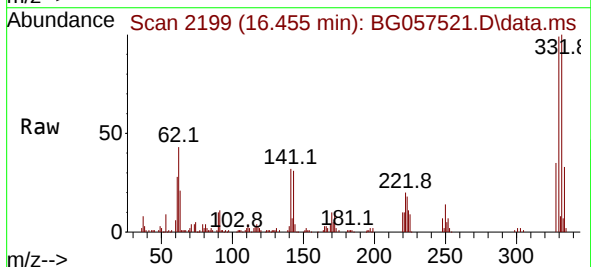
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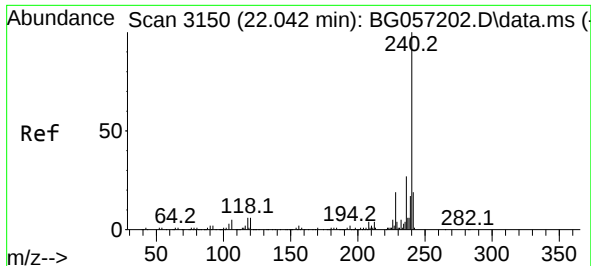
Tgt Ion:188 Resp: 131304  
Ion Ratio Lower Upper  
188 100  
94 6.6 5.1 7.7  
80 7.5 5.7 8.5



#67  
4-Bromophenyl-phenylether  
Concen: 4.049 ng  
RT: 16.455 min Scan# 2199  
Delta R.T. -0.430 min  
Lab File: BG057521.D  
Acq: 23 May 2023 15:56

Tgt Ion:248 Resp: 6490  
Ion Ratio Lower Upper  
248 100  
250 212.8 77.0 115.6#  
141 479.3 48.6 72.8#

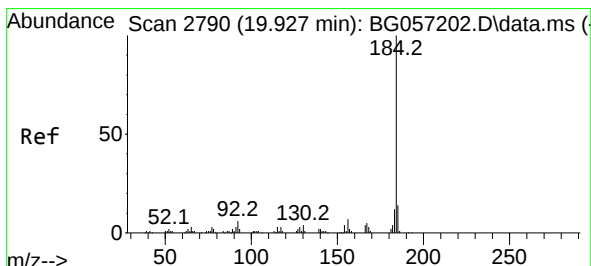
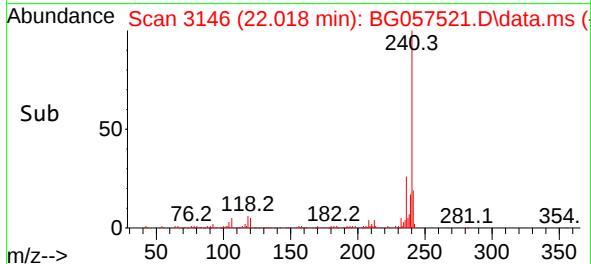
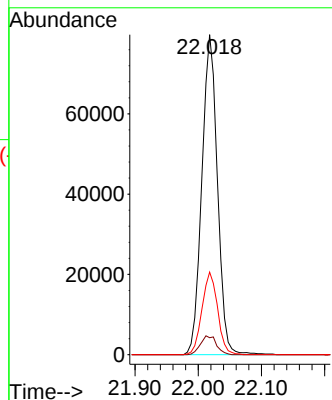
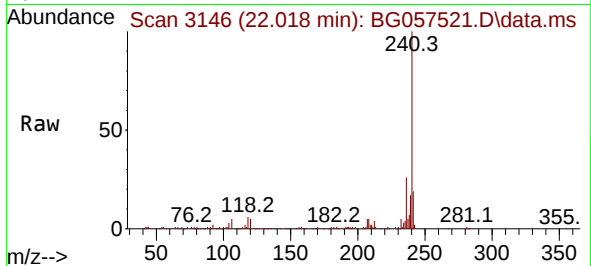




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 22.018 min Scan# 31  
Delta R.T. -0.002 min  
Lab File: BG057521.D  
Acq: 23 May 2023 15:56

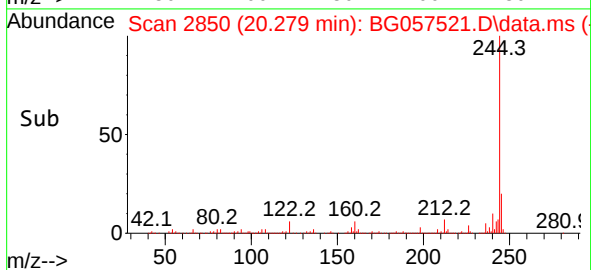
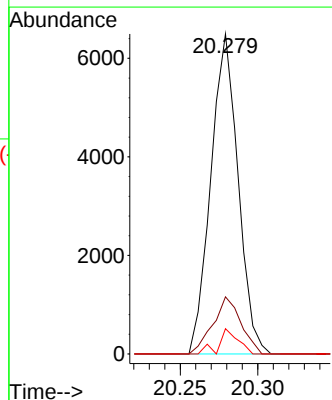
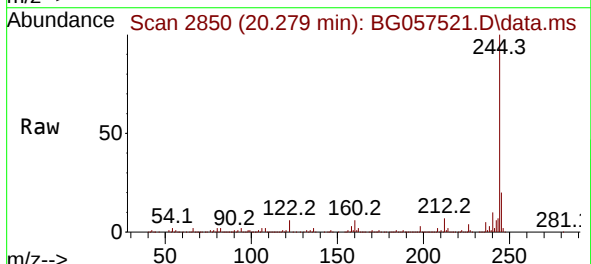
Instrument :  
BNA\_G  
ClientSampleId :  
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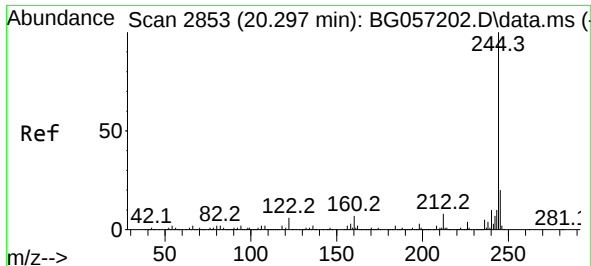
Tgt Ion:240 Resp: 136262  
Ion Ratio Lower Upper  
240 100  
120 5.3 4.9 7.3  
236 25.8 21.4 32.2



#77  
Benzidine  
Concen: 2.602 ng  
RT: 20.279 min Scan# 2850  
Delta R.T. 0.368 min  
Lab File: BG057521.D  
Acq: 23 May 2023 15:56

Tgt Ion:184 Resp: 7927  
Ion Ratio Lower Upper  
184 100  
185 17.8 11.1 16.7#  
183 7.9 9.9 14.9#

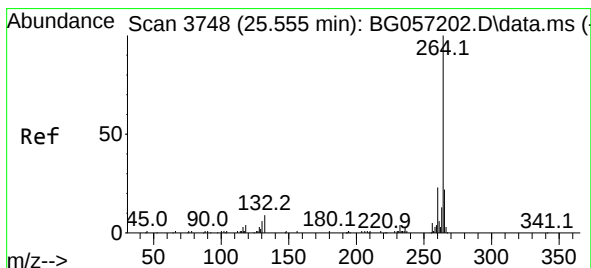
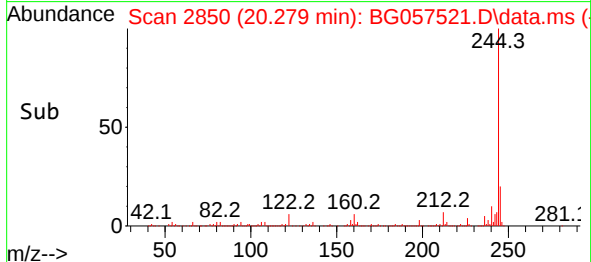
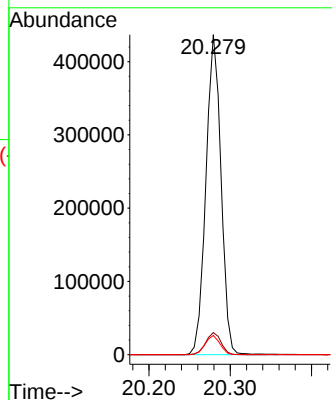
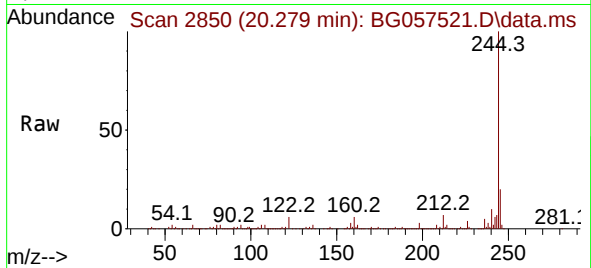




#79  
 Terphenyl-d14  
 Concen: 67.307 ng  
 RT: 20.279 min Scan# 21  
 Delta R.T. -0.002 min  
 Lab File: BG057521.D  
 Acq: 23 May 2023 15:56

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-31

Tgt Ion:244 Resp: 562000  
 Ion Ratio Lower Upper  
 244 100  
 212 6.9 6.1 9.1  
 122 6.0 5.1 7.7



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 25.519 min Scan# 3742  
 Delta R.T. 0.004 min  
 Lab File: BG057521.D  
 Acq: 23 May 2023 15:56

Tgt Ion:264 Resp: 146095  
 Ion Ratio Lower Upper  
 264 100  
 260 24.2 18.8 28.2  
 265 24.3 17.9 26.9

