

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG060623\  
 Data File : BG057641.D  
 Acq On : 6 Jun 2023 17:28  
 Operator : CG/JU  
 Sample : 03021-03  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SP-303-20230601

Quant Time: Jun 06 18:28:51 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG052723.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jun 01 03:51:58 2023  
 Response via : Initial Calibration

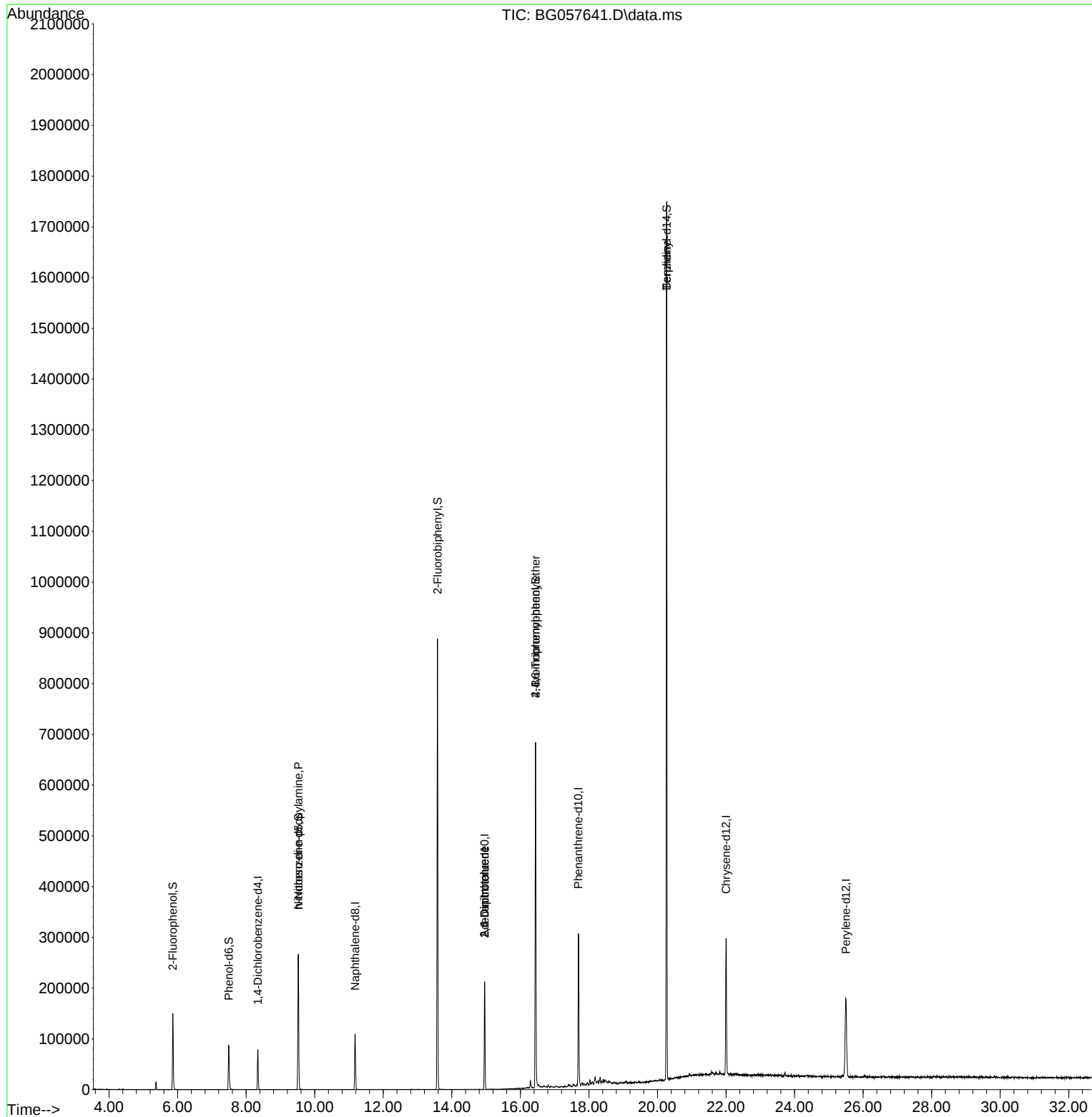
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.343  | 152  | 23464    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 11.180 | 136  | 100451   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.957 | 164  | 77363    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.695 | 188  | 197341   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 22.001 | 240  | 173866   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 25.496 | 264  | 189392   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.858  | 112  | 72240    | 53.487  | ng    | 0.00     |
| 7) Phenol-d6                  | 7.491  | 99   | 65386    | 30.935  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.523  | 82   | 179653   | 83.604  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.443 | 330  | 149502   | 120.702 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.583 | 172  | 477901   | 88.776  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.268 | 244  | 905561   | 90.221  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 9.523  | 70   | 24510    | 16.691  | ng    | # 74     |
| 51) 2,6-Dinitrotoluene        | 14.957 | 165  | 10315    | 7.557   | ng    | # 27     |
| 57) 2,4-Dinitrotoluene        | 14.957 | 165  | 10315    | 5.047   | ng    | # 25     |
| 67) 4-Bromophenyl-phenylether | 16.443 | 248  | 9860     | 4.454   | ng    | # 1      |
| 77) Benzidine                 | 20.268 | 184  | 13179    | 2.505   | ng    | # 92     |
| -----                         |        |      |          |         |       |          |

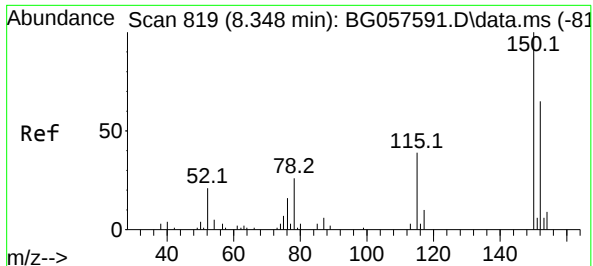
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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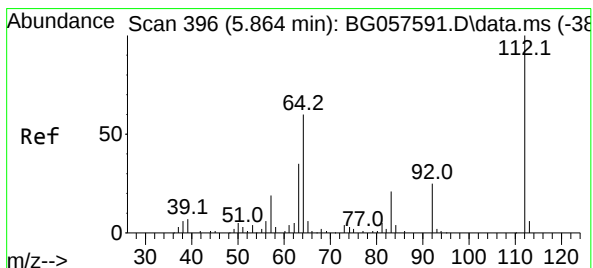
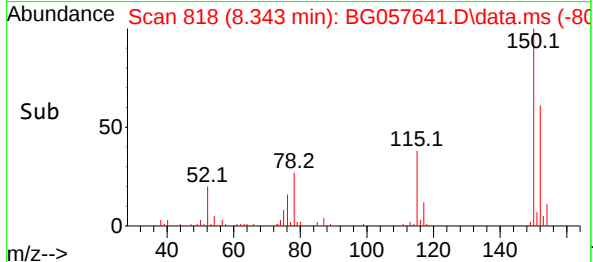
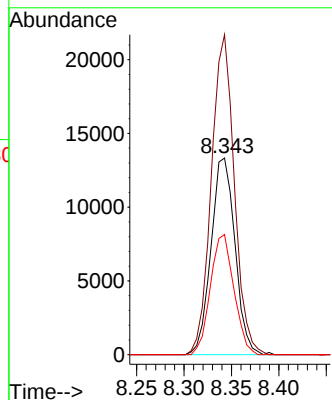
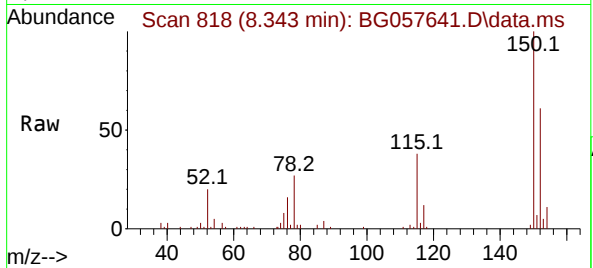




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.343 min Scan# 819  
Delta R.T. 0.009 min  
Lab File: BG057641.D  
Acq: 6 Jun 2023 17:28

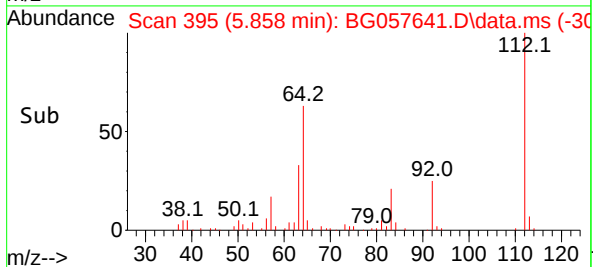
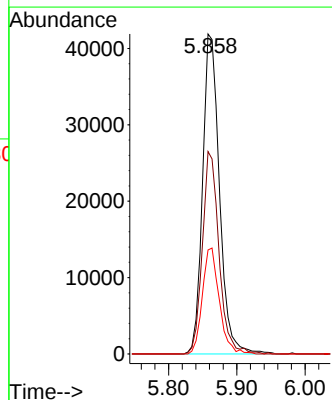
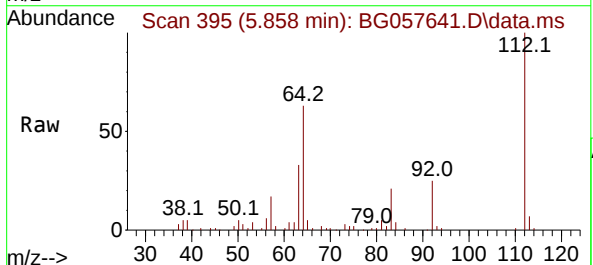
Instrument :  
BNA\_G  
ClientSampleId :  
SP-303-20230601

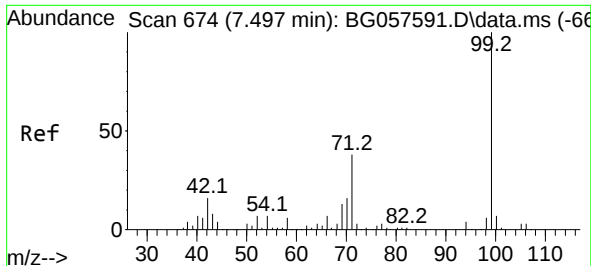
Tgt Ion:152 Resp: 23464  
Ion Ratio Lower Upper  
152 100  
150 162.8 123.0 184.4  
115 61.1 47.4 71.2



#5  
2-Fluorophenol  
Concen: 53.487 ng  
RT: 5.858 min Scan# 395  
Delta R.T. 0.003 min  
Lab File: BG057641.D  
Acq: 6 Jun 2023 17:28

Tgt Ion:112 Resp: 72240  
Ion Ratio Lower Upper  
112 100  
64 63.2 47.8 71.6  
63 32.5 27.8 41.8

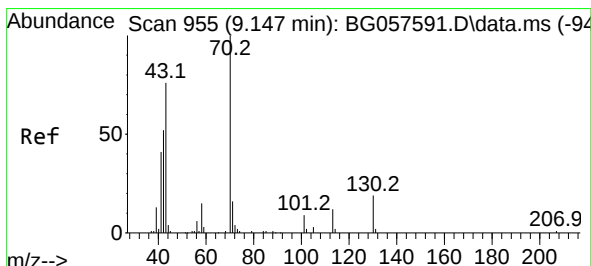
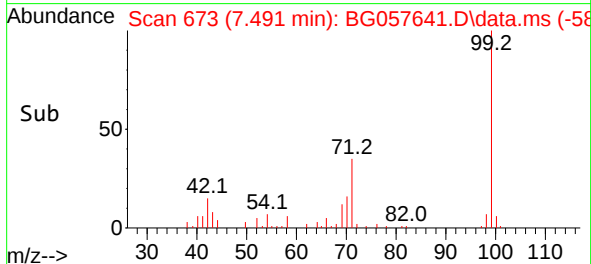
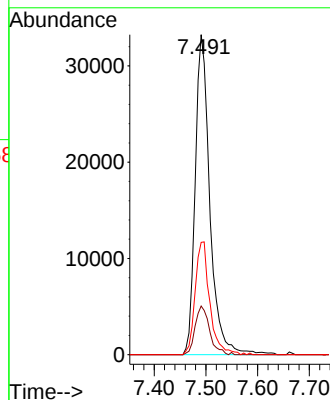
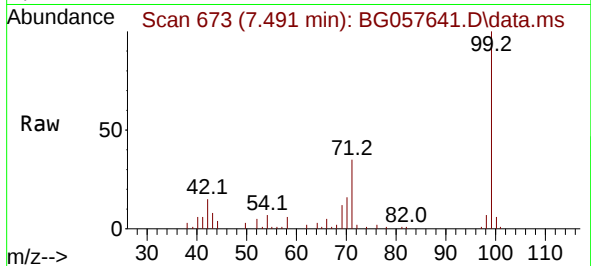




#7  
Phenol-d6  
Concen: 30.935 ng  
RT: 7.491 min Scan# 61  
Delta R.T. 0.003 min  
Lab File: BG057641.D  
Acq: 6 Jun 2023 17:28

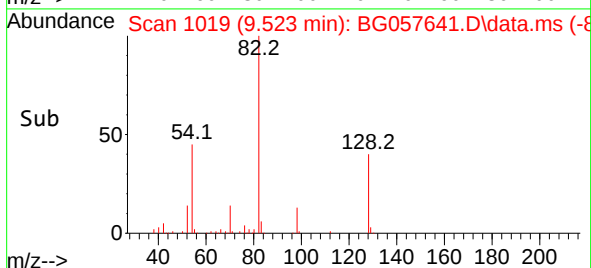
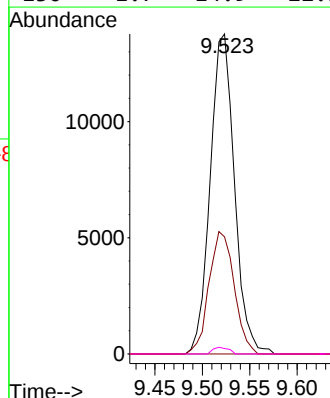
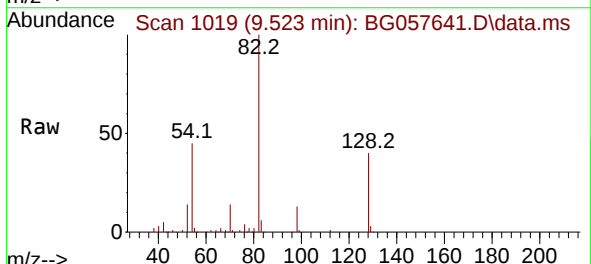
Instrument :  
BNA\_G  
ClientSampleId :  
SP-303-20230601

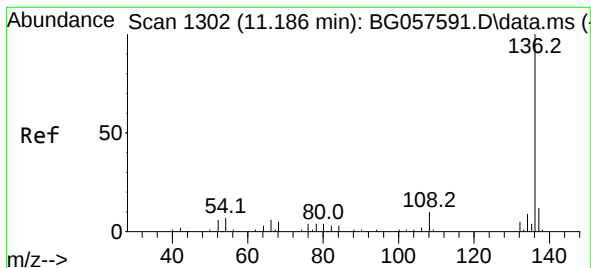
Tgt Ion: 99 Resp: 65386  
Ion Ratio Lower Upper  
99 100  
42 15.2 12.8 19.2  
71 35.1 30.3 45.5



#19  
n-Nitroso-di-n-propylamine  
Concen: 16.691 ng  
RT: 9.523 min Scan# 1019  
Delta R.T. 0.385 min  
Lab File: BG057641.D  
Acq: 6 Jun 2023 17:28

Tgt Ion: 70 Resp: 24510  
Ion Ratio Lower Upper  
70 100  
42 36.6 41.4 62.0#  
101 0.0 6.9 10.3#  
130 1.7 14.9 22.3#

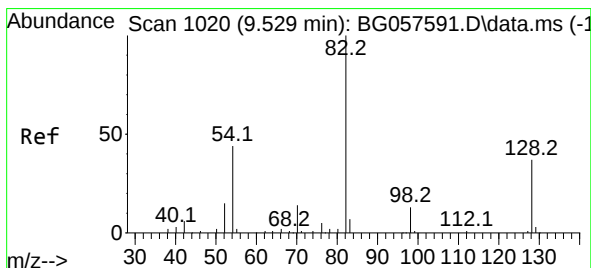
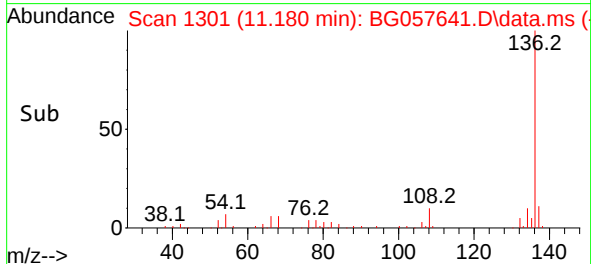
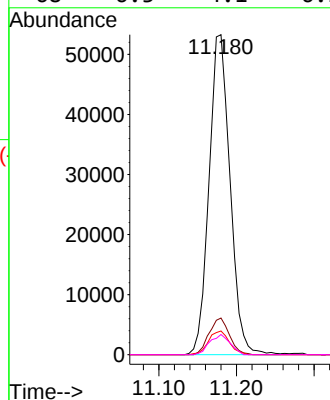
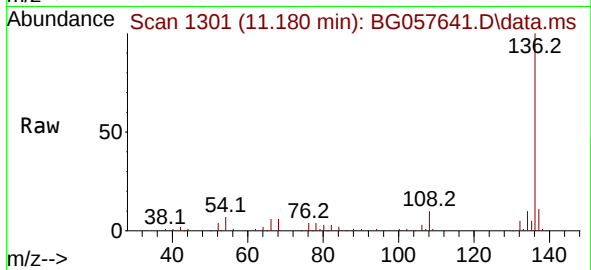




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.180 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: BG057641.D  
Acq: 6 Jun 2023 17:28

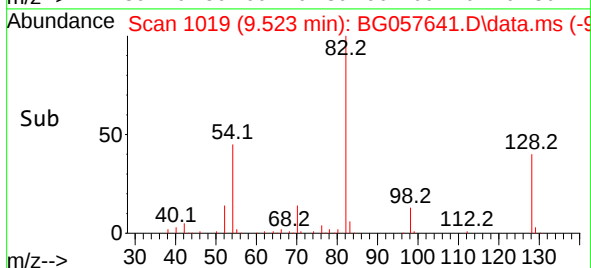
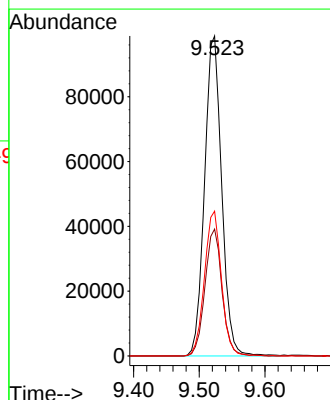
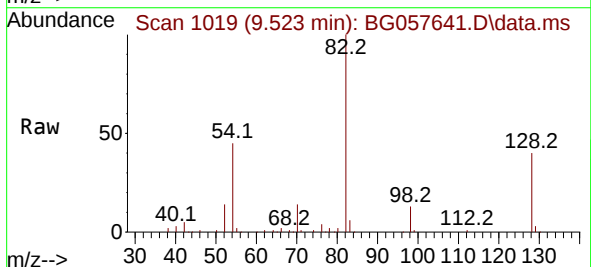
Instrument :  
BNA\_G  
ClientSampleId :  
SP-303-20230601

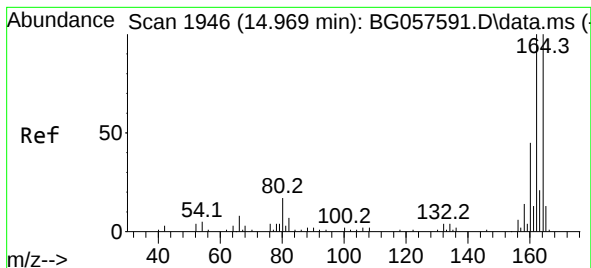
Tgt Ion:136 Resp: 100451  
Ion Ratio Lower Upper  
136 100  
137 11.4 9.8 14.8  
54 7.4 5.8 8.6  
68 6.3 4.1 6.1#



#23  
Nitrobenzene-d5  
Concen: 83.604 ng  
RT: 9.523 min Scan# 1019  
Delta R.T. 0.003 min  
Lab File: BG057641.D  
Acq: 6 Jun 2023 17:28

Tgt Ion: 82 Resp: 179653  
Ion Ratio Lower Upper  
82 100  
128 39.7 30.0 45.0  
54 45.2 35.2 52.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.957 min Scan# 1944

Delta R.T. -0.003 min

Lab File: BG057641.D

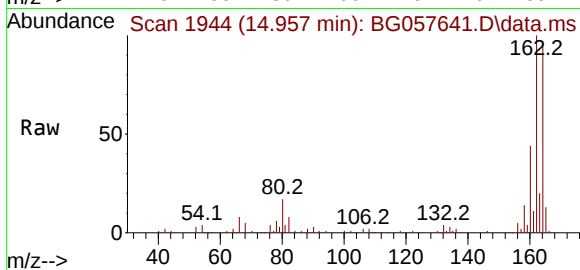
Acq: 6 Jun 2023 17:28

Instrument :

BNA\_G

ClientSampleId :

SP-303-20230601



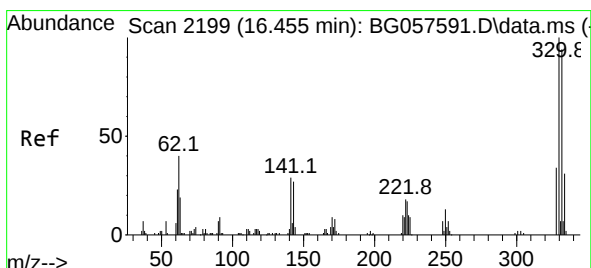
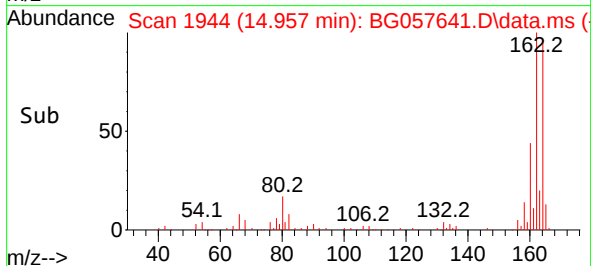
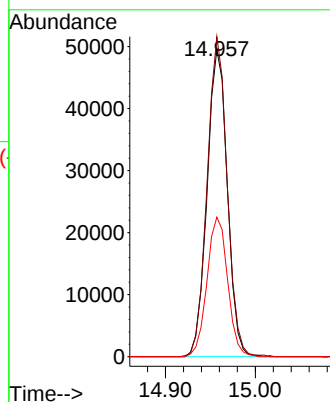
Tgt Ion:164 Resp: 77363

Ion Ratio Lower Upper

164 100

162 104.2 80.1 120.1

160 45.4 35.9 53.9



#42

2,4,6-Tribromophenol

Concen: 120.702 ng

RT: 16.443 min Scan# 2197

Delta R.T. -0.003 min

Lab File: BG057641.D

Acq: 6 Jun 2023 17:28

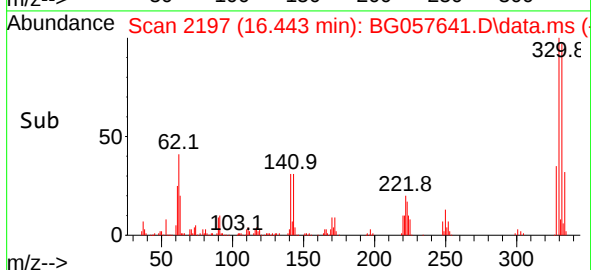
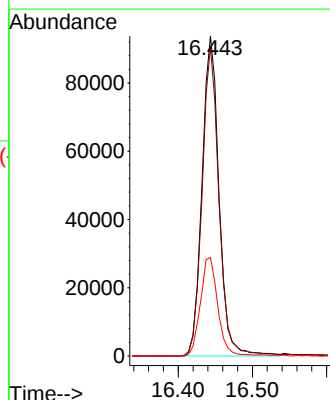
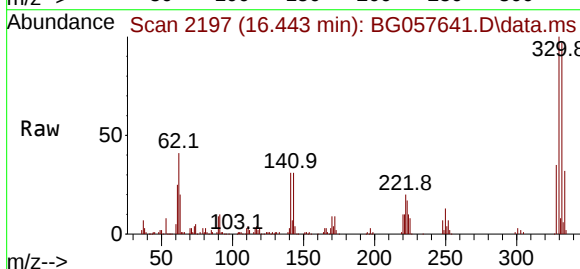
Tgt Ion:330 Resp: 149502

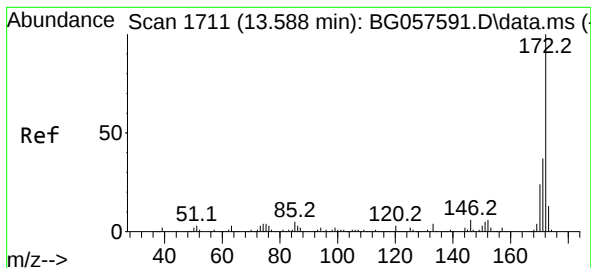
Ion Ratio Lower Upper

330 100

332 95.9 77.3 115.9

141 31.7 24.6 37.0





#45

2-Fluorobiphenyl

Concen: 88.776 ng

RT: 13.583 min Scan# 1

Delta R.T. 0.003 min

Lab File: BG057641.D

Acq: 6 Jun 2023 17:28

Instrument :

BNA\_G

ClientSampleId :

SP-303-20230601

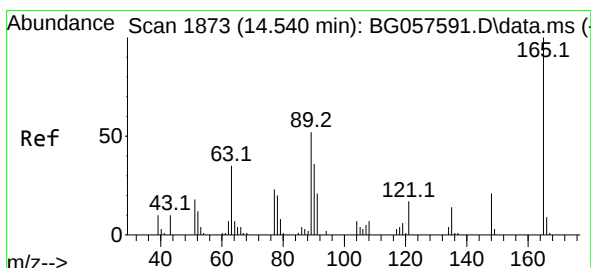
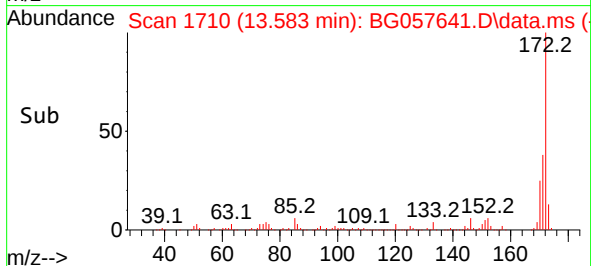
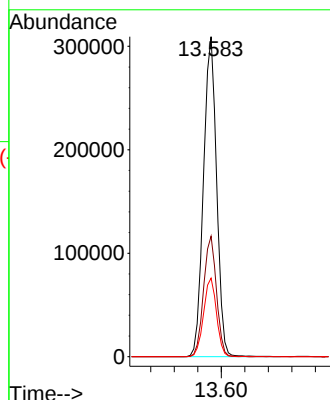
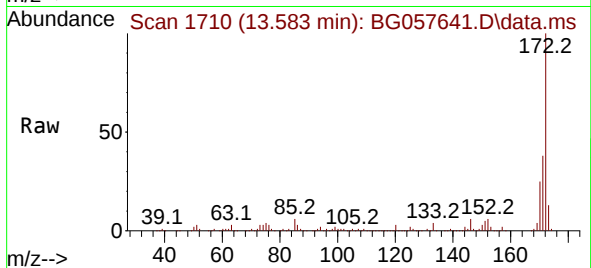
Tgt Ion:172 Resp: 477901

Ion Ratio Lower Upper

172 100

171 37.6 29.2 43.8

170 24.5 19.0 28.4



#51

2,6-Dinitrotoluene

Concen: 7.557 ng

RT: 14.957 min Scan# 1944

Delta R.T. 0.426 min

Lab File: BG057641.D

Acq: 6 Jun 2023 17:28

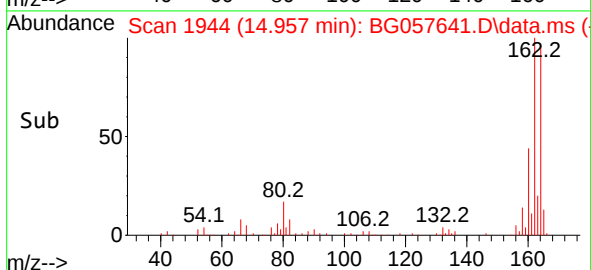
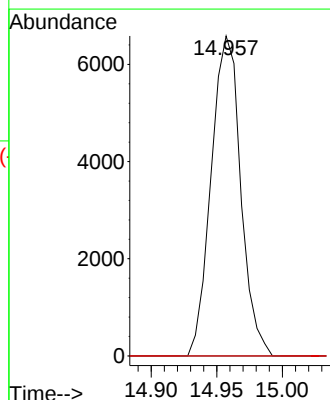
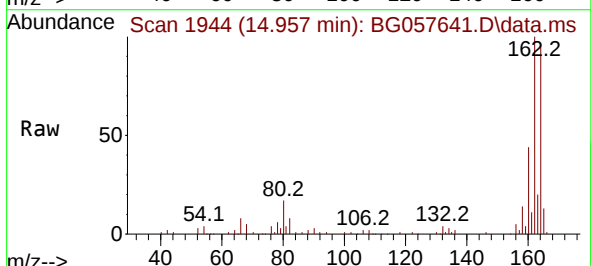
Tgt Ion:165 Resp: 10315

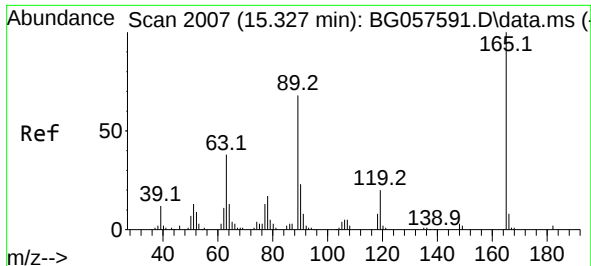
Ion Ratio Lower Upper

165 100

63 0.0 39.3 58.9#

89 0.0 41.5 62.3#





#57

2,4-Dinitrotoluene

Concen: 5.047 ng

RT: 14.957 min Scan# 1944

Delta R.T. -0.367 min

Lab File: BG057641.D

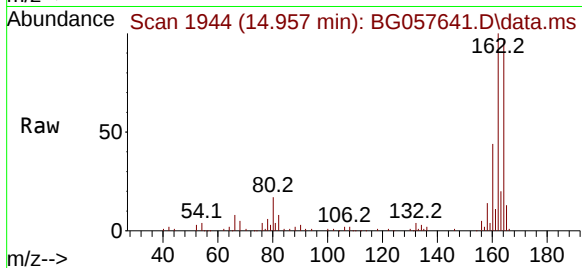
Acq: 6 Jun 2023 17:28

Instrument :

BNA\_G

ClientSampleId :

SP-303-20230601



Tgt Ion:165 Resp: 10315

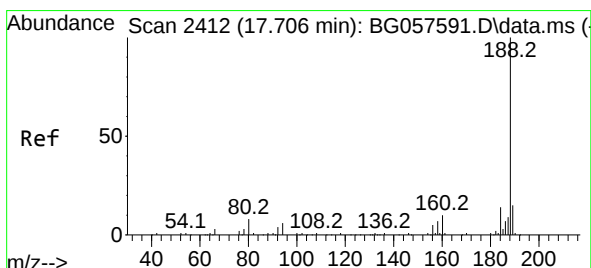
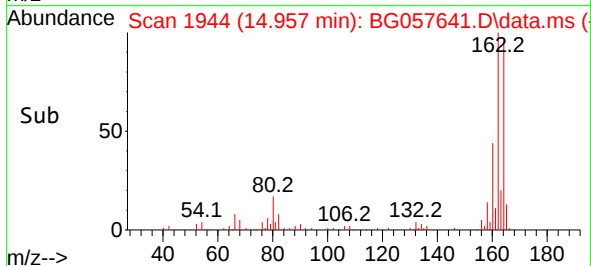
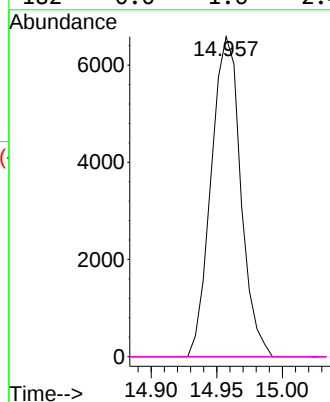
Ion Ratio Lower Upper

165 100

63 0.0 30.6 45.8#

89 0.0 54.2 81.2#

182 0.0 1.6 2.4#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.695 min Scan# 2410

Delta R.T. -0.003 min

Lab File: BG057641.D

Acq: 6 Jun 2023 17:28

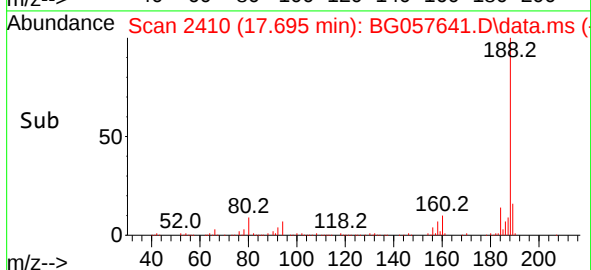
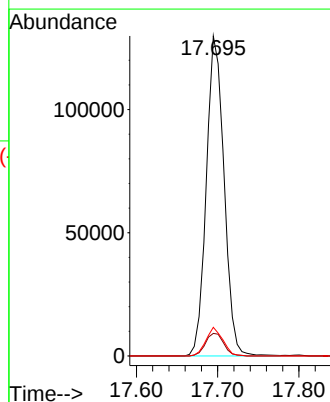
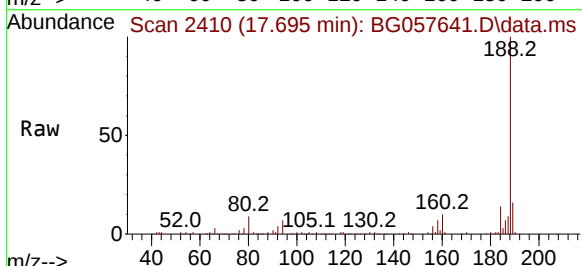
Tgt Ion:188 Resp: 197341

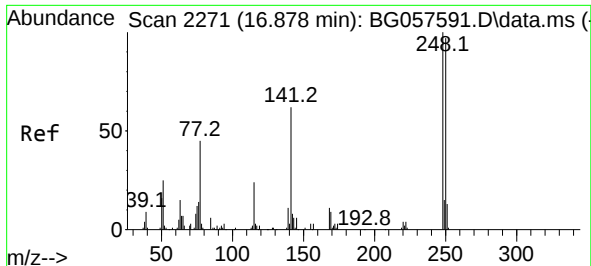
Ion Ratio Lower Upper

188 100

94 7.0 5.2 7.8

80 9.0 6.7 10.1

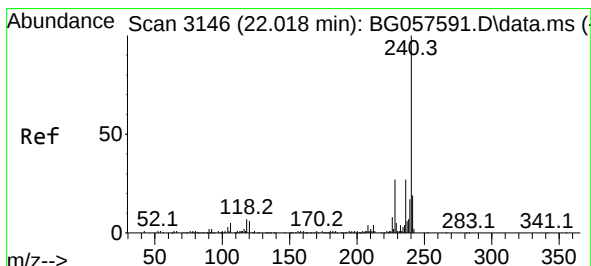
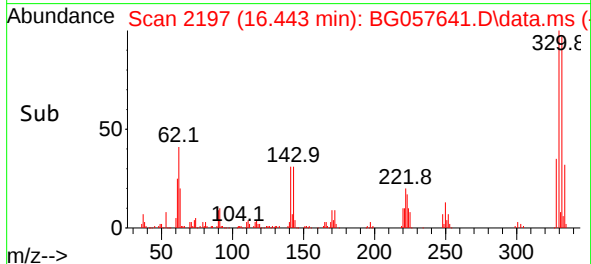
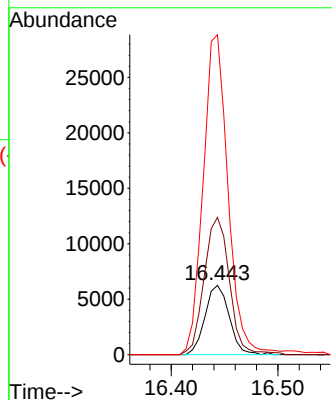
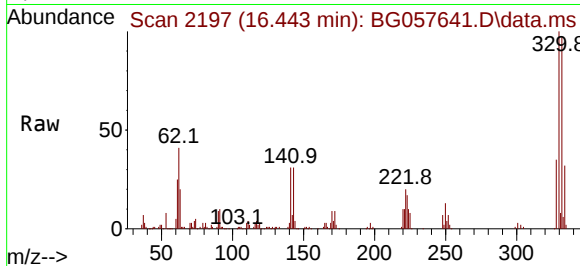




#67  
4-Bromophenyl-phenylether  
Concen: 4.454 ng  
RT: 16.443 min Scan# 2197  
Delta R.T. -0.426 min  
Lab File: BG057641.D  
Acq: 6 Jun 2023 17:28

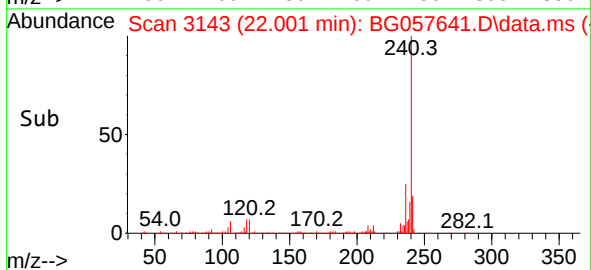
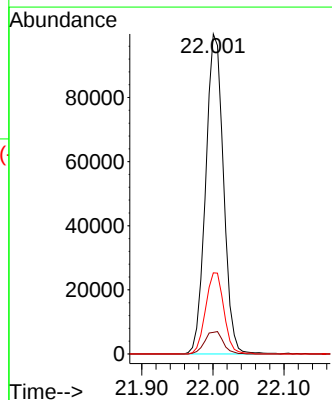
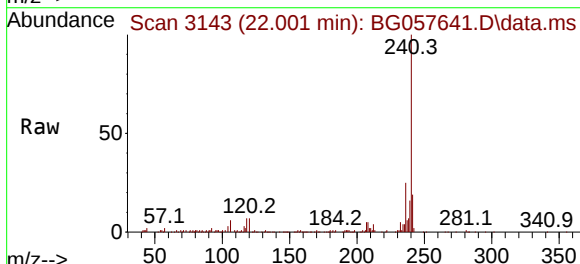
Instrument :  
BNA\_G  
ClientSampleId :  
SP-303-20230601

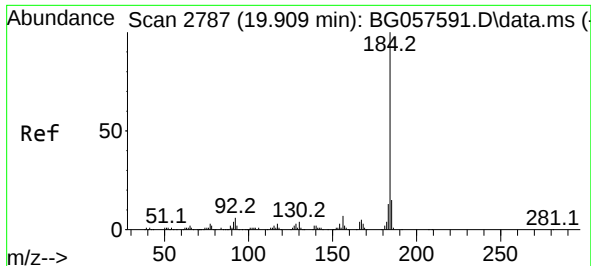
Tgt Ion:248 Resp: 9860  
Ion Ratio Lower Upper  
248 100  
250 198.1 77.4 116.2#  
141 461.8 49.4 74.0#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 22.001 min Scan# 3143  
Delta R.T. -0.003 min  
Lab File: BG057641.D  
Acq: 6 Jun 2023 17:28

Tgt Ion:240 Resp: 173866  
Ion Ratio Lower Upper  
240 100  
120 6.7 5.2 7.8  
236 25.3 21.4 32.0

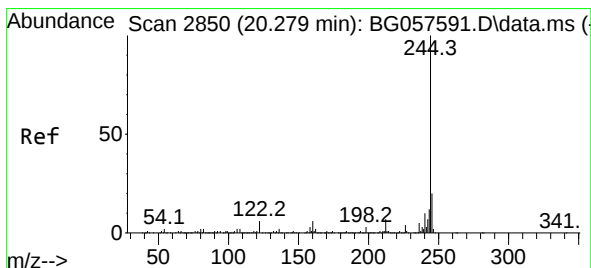
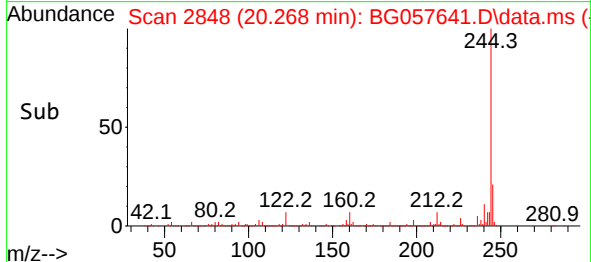
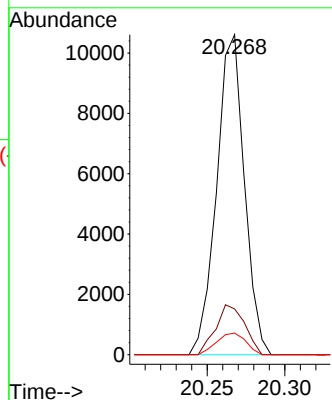
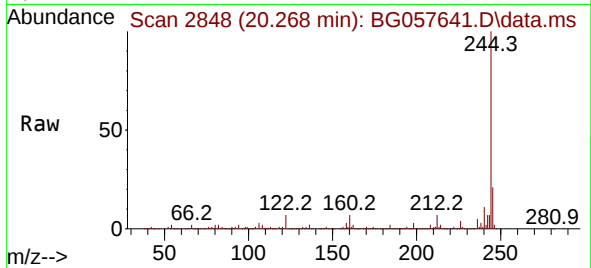




#77  
Benzidine  
Concen: 2.505 ng  
RT: 20.268 min Scan# 2848  
Delta R.T. 0.373 min  
Lab File: BG057641.D  
Acq: 6 Jun 2023 17:28

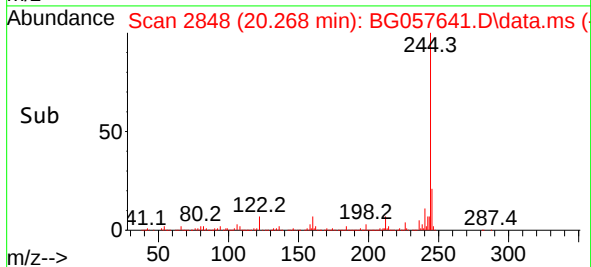
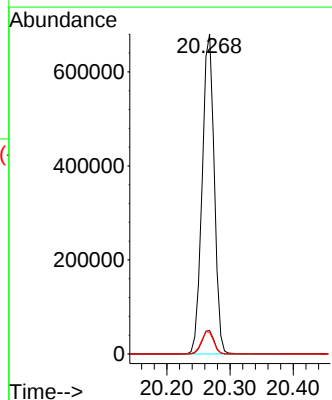
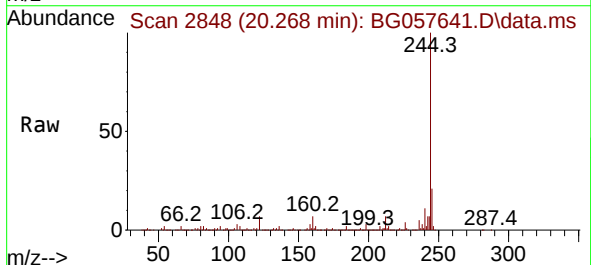
Instrument :  
BNA\_G  
ClientSampleId :  
SP-303-20230601

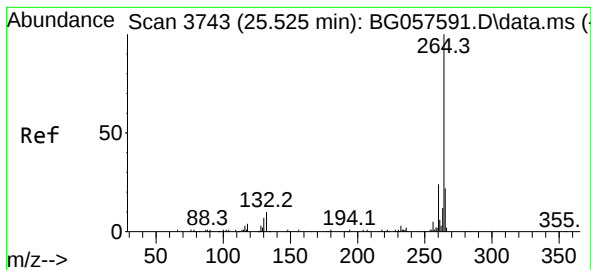
Tgt Ion:184 Resp: 13179  
Ion Ratio Lower Upper  
184 100  
185 14.3 12.0 18.0  
183 6.8 10.0 15.0#



#79  
Terphenyl-d14  
Concen: 90.221 ng  
RT: 20.268 min Scan# 2848  
Delta R.T. 0.003 min  
Lab File: BG057641.D  
Acq: 6 Jun 2023 17:28

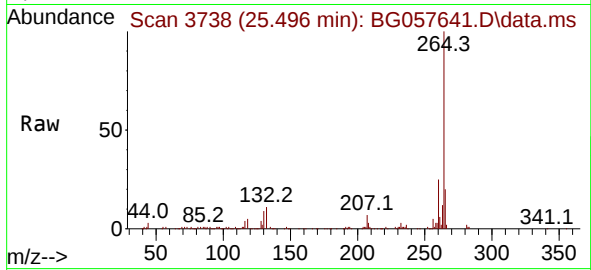
Tgt Ion:244 Resp: 905561  
Ion Ratio Lower Upper  
244 100  
212 7.3 5.6 8.4  
122 6.7 4.8 7.2





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 25.496 min Scan# 31  
Delta R.T. -0.003 min  
Lab File: BG057641.D  
Acq: 6 Jun 2023 17:28

Instrument :  
BNA\_G  
ClientSampleId :  
SP-303-20230601



Tgt Ion:264 Resp: 189392  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 25.2  | 19.1  | 28.7  |
| 265 | 20.5  | 17.7  | 26.5  |

