

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG053023\  
 Data File : BG057615.D  
 Acq On : 30 May 2023 20:55  
 Operator : CG/JU  
 Sample : 02955-04  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB25

Quant Time: May 31 03:30:11 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG052723.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 31 03:25:39 2023  
 Response via : Initial Calibration

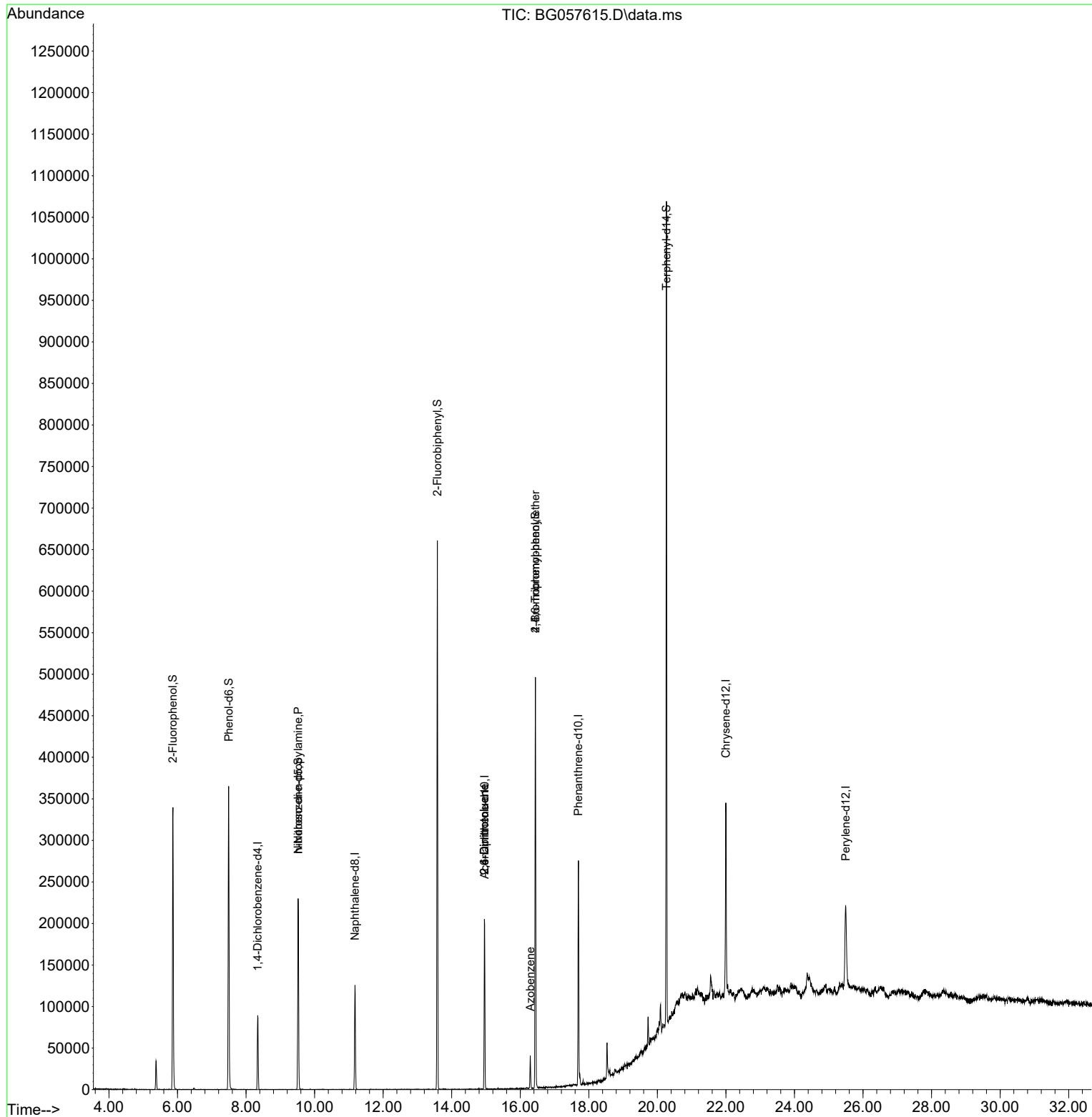
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.340  | 152  | 26825    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 11.177 | 136  | 110449   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.961 | 164  | 74602    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.698 | 188  | 171306   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.998 | 240  | 145090   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 25.493 | 264  | 149522   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.867  | 112  | 162981   | 105.554 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.494  | 99   | 237169   | 98.148  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.521  | 82   | 150907   | 63.869  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.441 | 330  | 104732   | 87.686  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.580 | 172  | 351192   | 67.653  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.265 | 244  | 523071   | 62.449  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 9.521  | 70   | 20346    | 12.119  | ng    | # 78     |
| 51) 2,6-Dinitrotoluene        | 14.955 | 165  | 9766     | 7.420   | ng    | # 29     |
| 57) 2,4-Dinitrotoluene        | 14.955 | 165  | 9766     | 4.956   | ng    | # 26     |
| 63) Azobenzene                | 16.294 | 77   | 11738    | 2.057   | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 16.441 | 248  | 7583     | 3.946   | ng    | # 1      |
| -----                         |        |      |          |         |       |          |

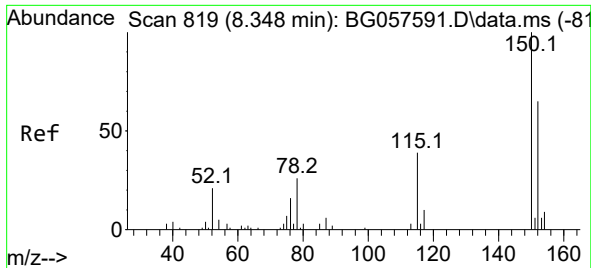
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG053023\  
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Sample : 02955-04  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
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Quant Time: May 31 03:30:11 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG052723.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed May 31 03:25:39 2023  
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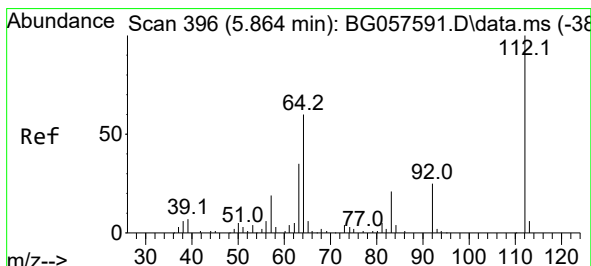
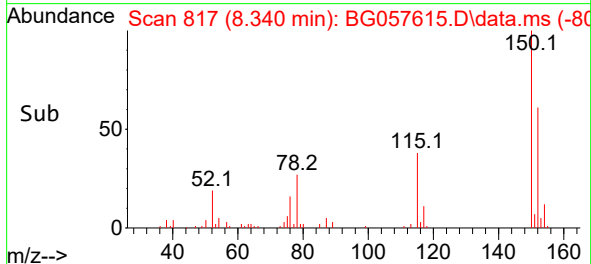
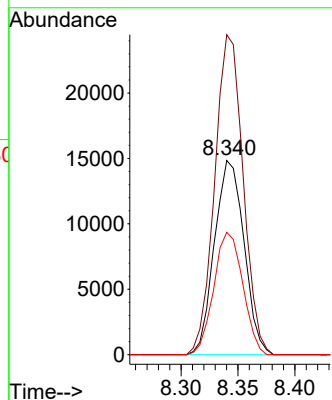
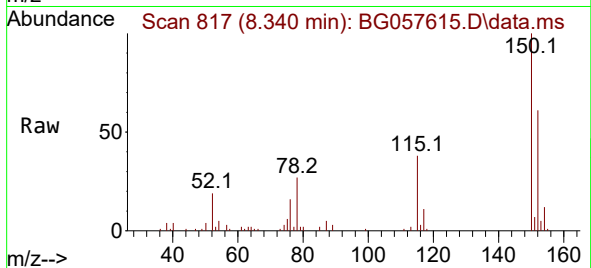




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.340 min Scan# 819  
Delta R.T. -0.004 min  
Lab File: BG057615.D  
Acq: 30 May 2023 20:55

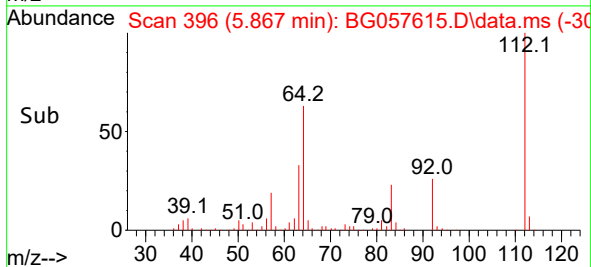
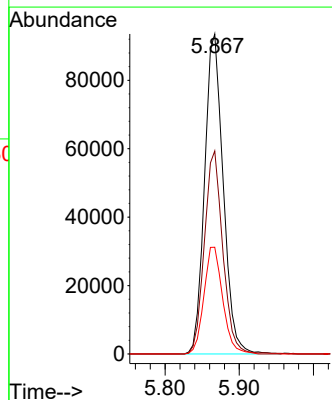
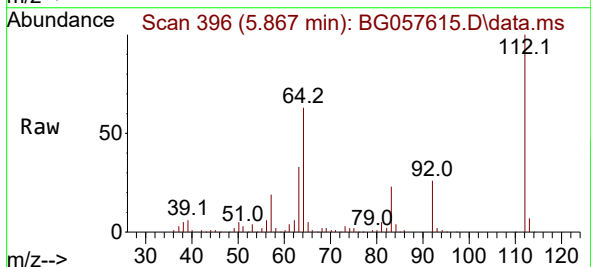
Instrument :  
BNA\_G  
ClientSampleId :  
SB25

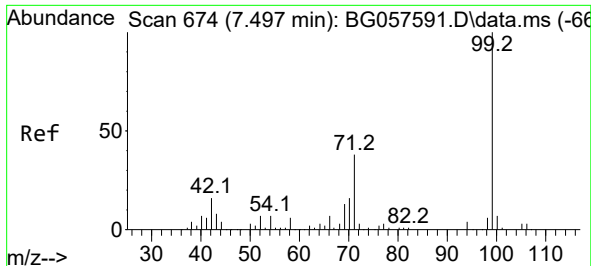
Tgt Ion:152 Resp: 26825  
Ion Ratio Lower Upper  
152 100  
150 164.7 123.0 184.4  
115 63.0 47.4 71.2



#5  
2-Fluorophenol  
Concen: 105.554 ng  
RT: 5.867 min Scan# 396  
Delta R.T. 0.008 min  
Lab File: BG057615.D  
Acq: 30 May 2023 20:55

Tgt Ion:112 Resp: 162981  
Ion Ratio Lower Upper  
112 100  
64 63.5 47.8 71.6  
63 33.4 27.8 41.8

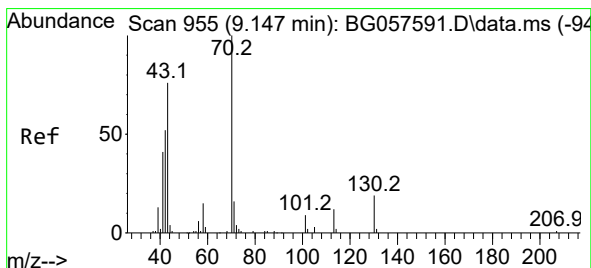
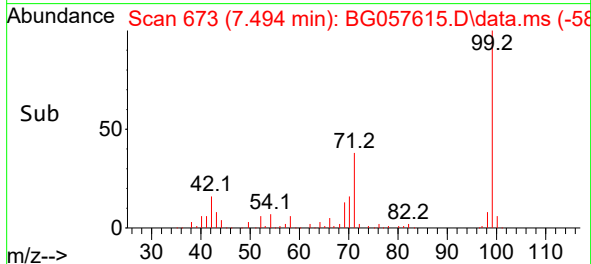
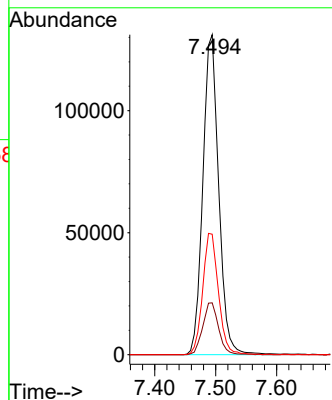
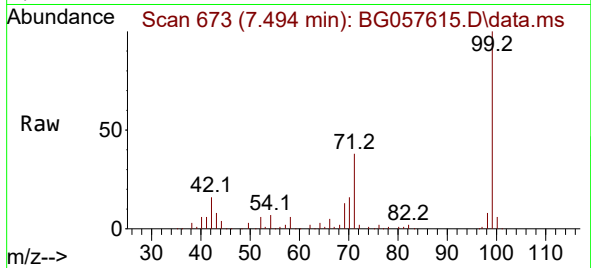




#7  
Phenol-d6  
Concen: 98.148 ng  
RT: 7.494 min Scan# 61  
Delta R.T. 0.008 min  
Lab File: BG057615.D  
Acq: 30 May 2023 20:55

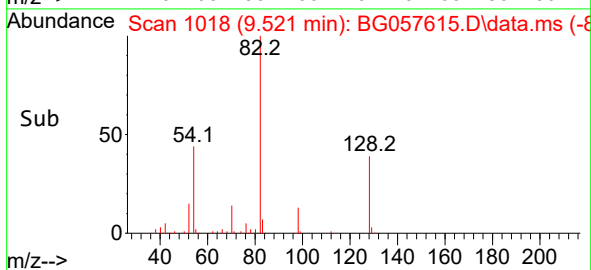
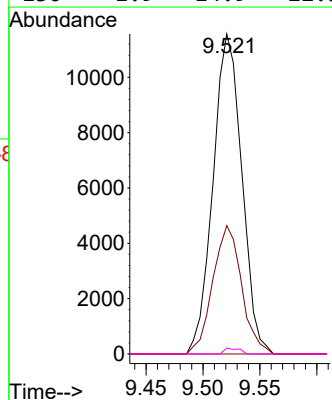
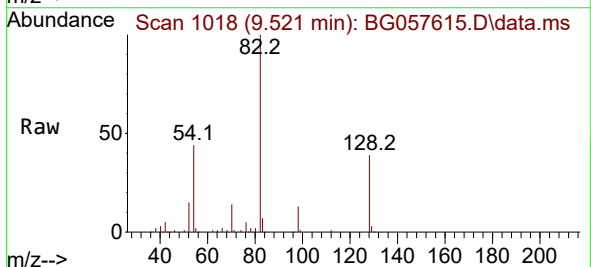
Instrument :  
BNA\_G  
ClientSampleId :  
SB25

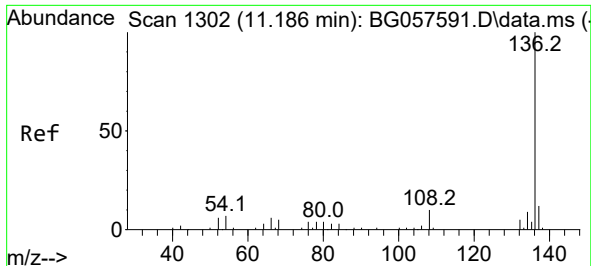
Tgt Ion: 99 Resp: 237169  
Ion Ratio Lower Upper  
99 100  
42 16.2 12.8 19.2  
71 37.7 30.3 45.5



#19  
n-Nitroso-di-n-propylamine  
Concen: 12.119 ng  
RT: 9.521 min Scan# 1018  
Delta R.T. 0.378 min  
Lab File: BG057615.D  
Acq: 30 May 2023 20:55

Tgt Ion: 70 Resp: 20346  
Ion Ratio Lower Upper  
70 100  
42 40.1 41.4 62.0#  
101 0.0 6.9 10.3#  
130 1.9 14.9 22.3#

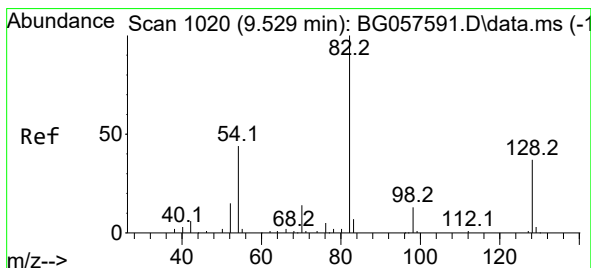
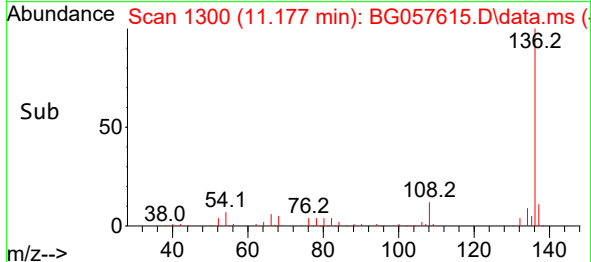
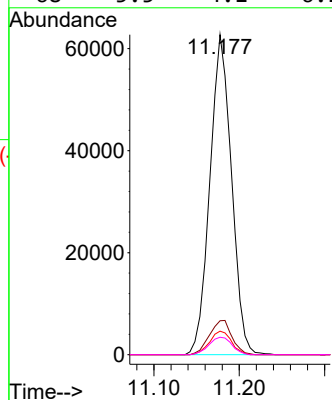
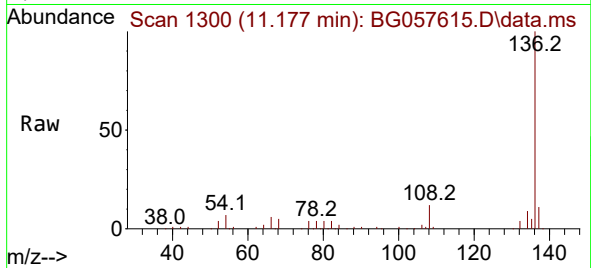




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.177 min Scan# 11  
Delta R.T. 0.002 min  
Lab File: BG057615.D  
Acq: 30 May 2023 20:55

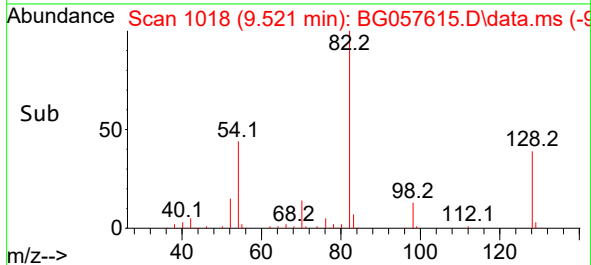
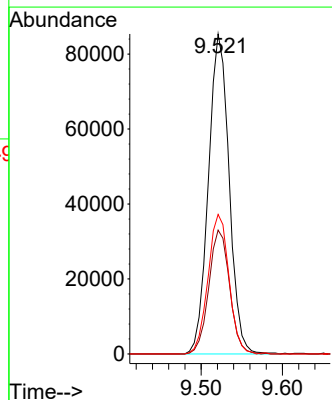
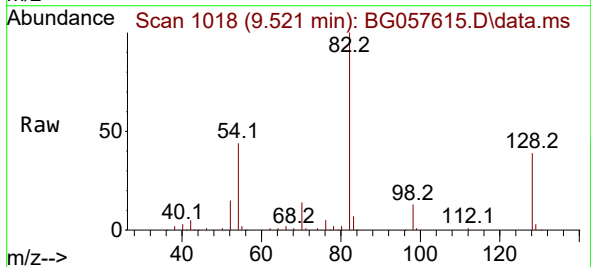
Instrument :  
BNA\_G  
ClientSampleId :  
SB25

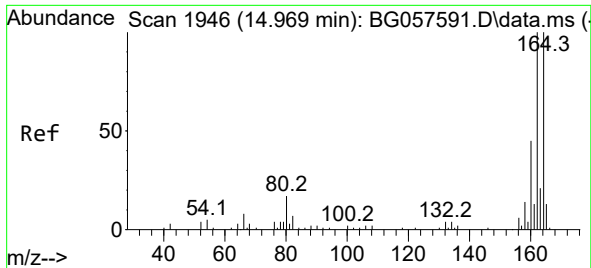
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 110449 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 10.6  | 9.8   | 14.8   |
| 54        | 7.3   | 5.8   | 8.6    |
| 68        | 5.5   | 4.1   | 6.1    |



#23  
Nitrobenzene-d5  
Concen: 63.869 ng  
RT: 9.521 min Scan# 1018  
Delta R.T. -0.004 min  
Lab File: BG057615.D  
Acq: 30 May 2023 20:55

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 82    | Resp: | 150907 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 38.7  | 30.0  | 45.0   |
| 54        | 43.6  | 35.2  | 52.8   |

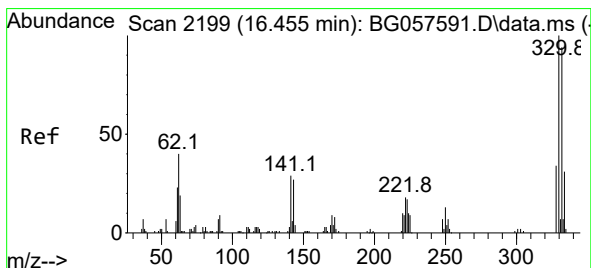
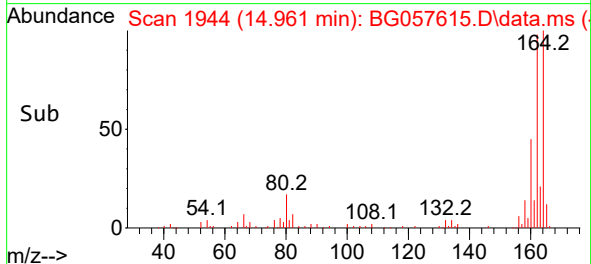
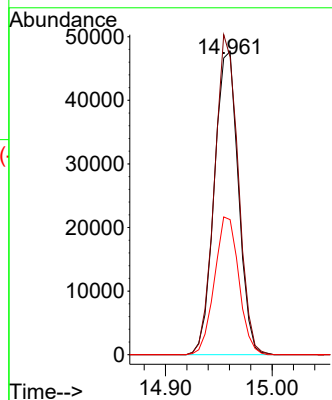
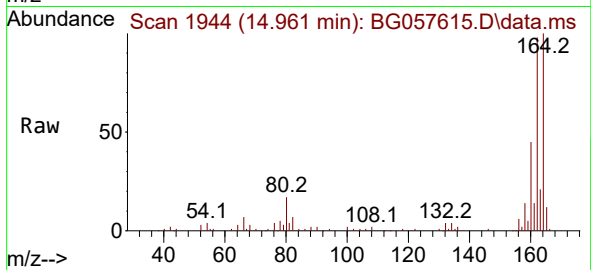




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.961 min Scan# 1944  
Delta R.T. 0.002 min  
Lab File: BG057615.D  
Acq: 30 May 2023 20:55

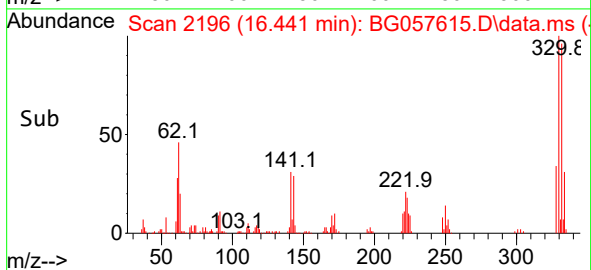
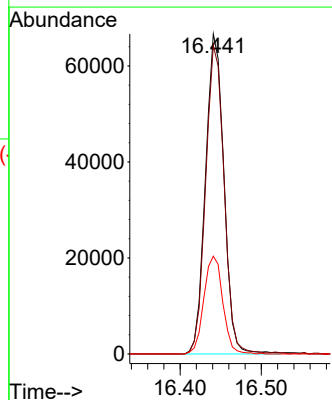
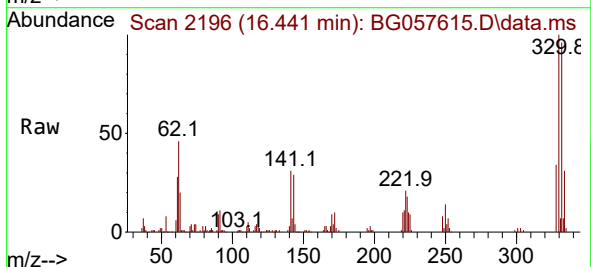
Instrument :  
BNA\_G  
ClientSampleId :  
SB25

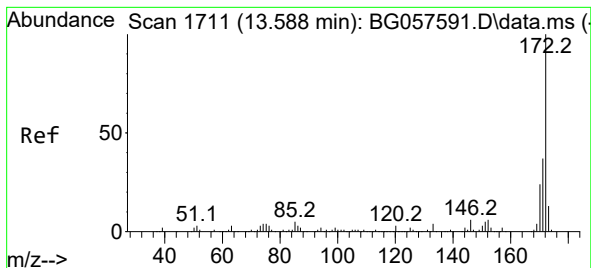
Tgt Ion:164 Resp: 74602  
Ion Ratio Lower Upper  
164 100  
162 98.2 80.1 120.1  
160 44.5 35.9 53.9



#42  
2,4,6-Tribromophenol  
Concen: 87.686 ng  
RT: 16.441 min Scan# 2196  
Delta R.T. -0.004 min  
Lab File: BG057615.D  
Acq: 30 May 2023 20:55

Tgt Ion:330 Resp: 104732  
Ion Ratio Lower Upper  
330 100  
332 96.6 77.3 115.9  
141 31.4 24.6 37.0





#45

2-Fluorobiphenyl

Concen: 67.653 ng

RT: 13.580 min Scan# 1

Delta R.T. -0.004 min

Lab File: BG057615.D

Acq: 30 May 2023 20:55

Instrument :

BNA\_G

ClientSampleId :

SB25

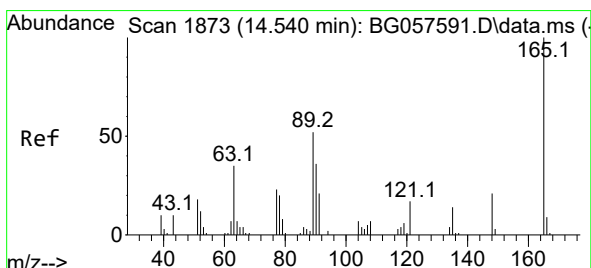
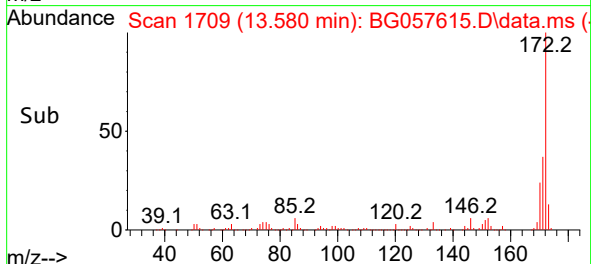
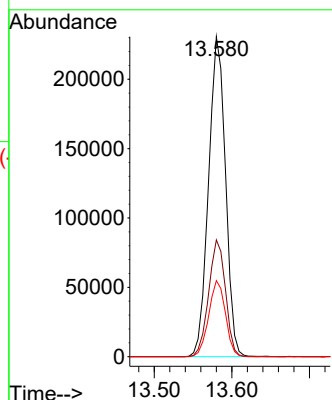
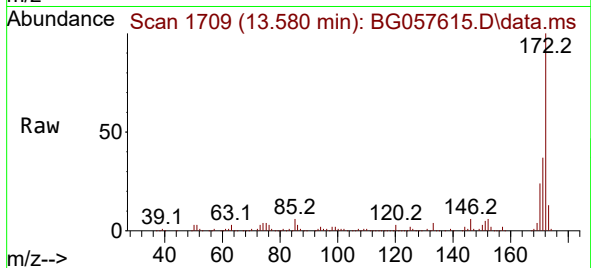
Tgt Ion:172 Resp: 351192

Ion Ratio Lower Upper

172 100

171 36.5 29.2 43.8

170 23.7 19.0 28.4



#51

2,6-Dinitrotoluene

Concen: 7.420 ng

RT: 14.955 min Scan# 1943

Delta R.T. 0.425 min

Lab File: BG057615.D

Acq: 30 May 2023 20:55

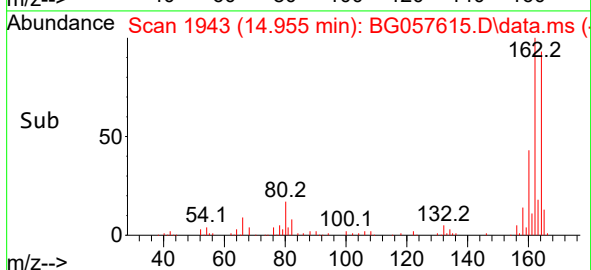
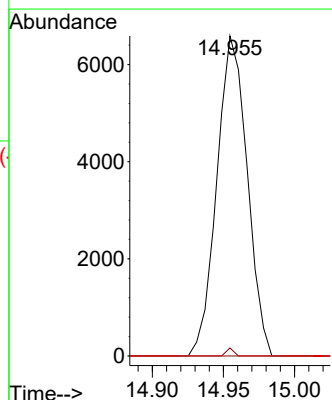
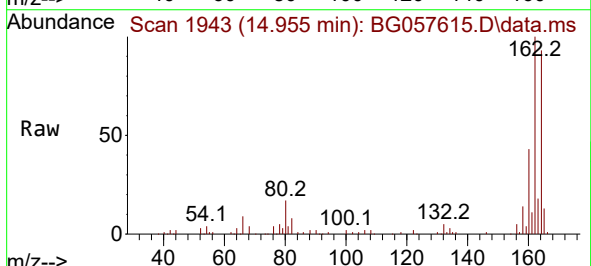
Tgt Ion:165 Resp: 9766

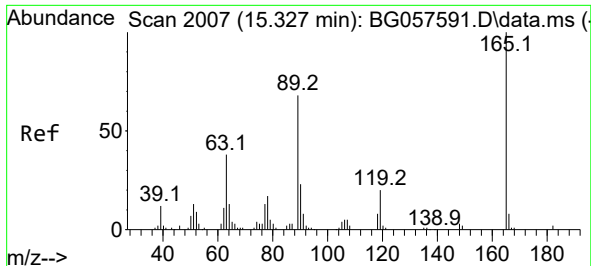
Ion Ratio Lower Upper

165 100

63 2.5 39.3 58.9#

89 0.0 41.5 62.3#





#57

2,4-Dinitrotoluene

Concen: 4.956 ng

RT: 14.955 min Scan# 14

Delta R.T. -0.368 min

Lab File: BG057615.D

Acq: 30 May 2023 20:55

Instrument :

BNA\_G

ClientSampleId :

SB25

Tgt Ion:165 Resp: 9766

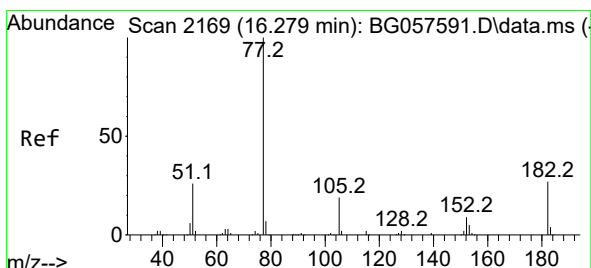
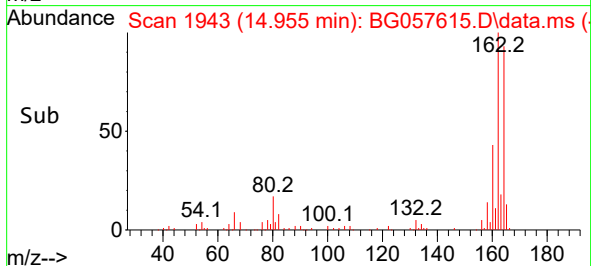
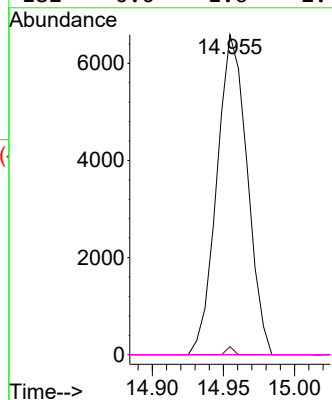
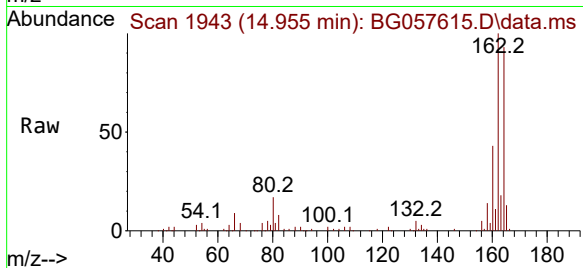
Ion Ratio Lower Upper

165 100

63 2.5 30.6 45.8#

89 0.0 54.2 81.2#

182 0.0 1.6 2.4#



#63

Azobenzene

Concen: 2.057 ng

RT: 16.294 min Scan# 2171

Delta R.T. 0.026 min

Lab File: BG057615.D

Acq: 30 May 2023 20:55

Tgt Ion: 77 Resp: 11738

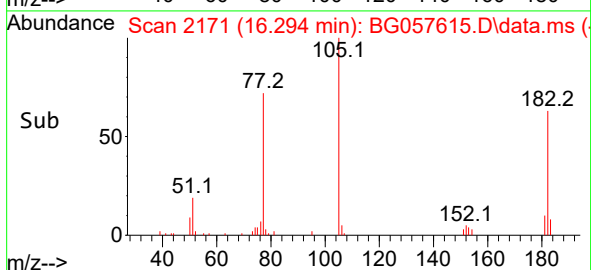
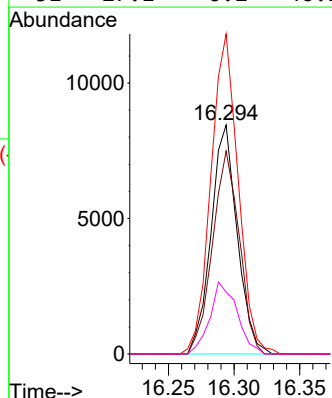
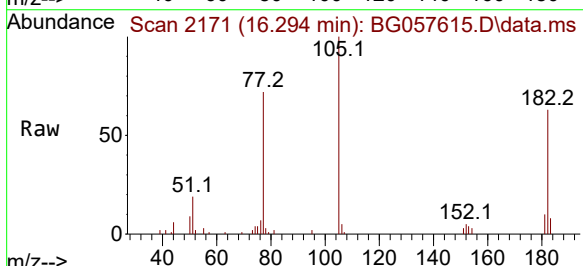
Ion Ratio Lower Upper

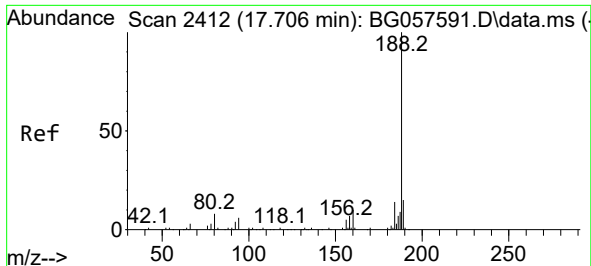
77 100

182 88.6 7.4 47.4#

105 139.8 0.0 39.4#

51 27.1 6.2 46.2

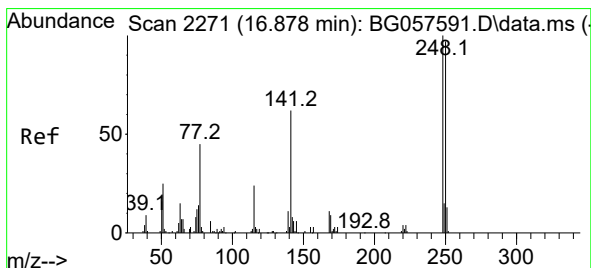
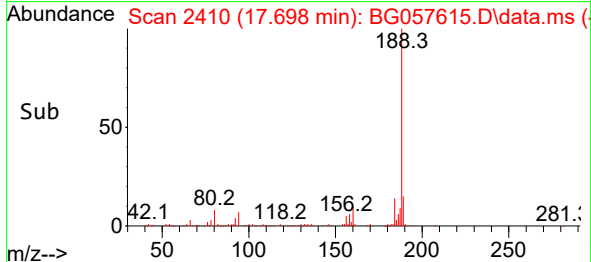
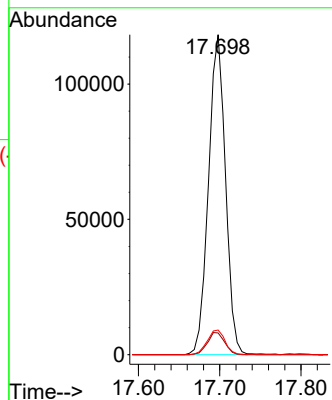
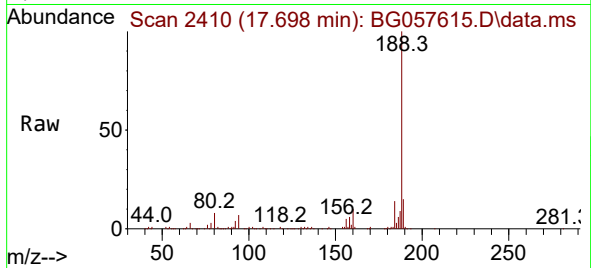




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.698 min Scan# 2412  
Delta R.T. 0.002 min  
Lab File: BG057615.D  
Acq: 30 May 2023 20:55

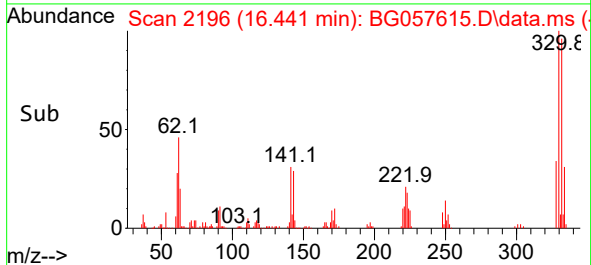
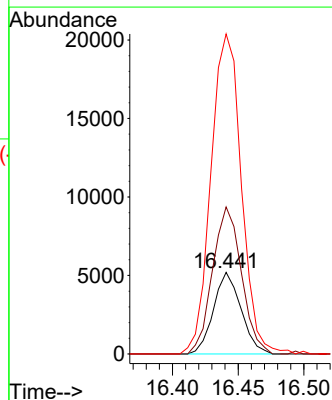
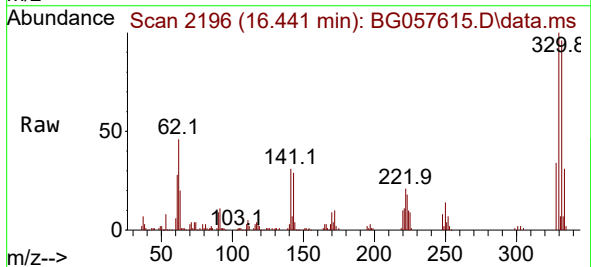
Instrument :  
BNA\_G  
ClientSampleId :  
SB25

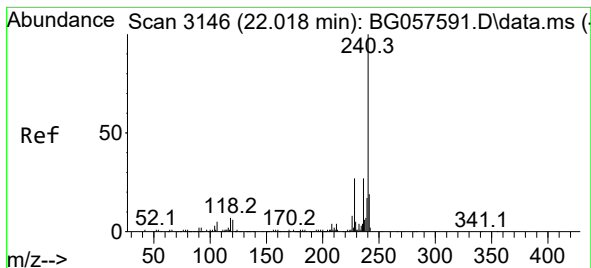
Tgt Ion:188 Resp: 171306  
Ion Ratio Lower Upper  
188 100  
94 6.8 5.2 7.8  
80 7.7 6.7 10.1



#67  
4-Bromophenyl-phenylether  
Concen: 3.946 ng  
RT: 16.441 min Scan# 2196  
Delta R.T. -0.433 min  
Lab File: BG057615.D  
Acq: 30 May 2023 20:55

Tgt Ion:248 Resp: 7583  
Ion Ratio Lower Upper  
248 100  
250 180.4 77.4 116.2#  
141 392.5 49.4 74.0#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.998 min Scan# 3146

Delta R.T. -0.004 min

Lab File: BG057615.D

Acq: 30 May 2023 20:55

Instrument :

BNA\_G

ClientSampleId :

SB25

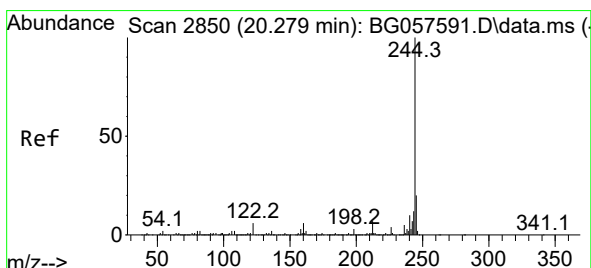
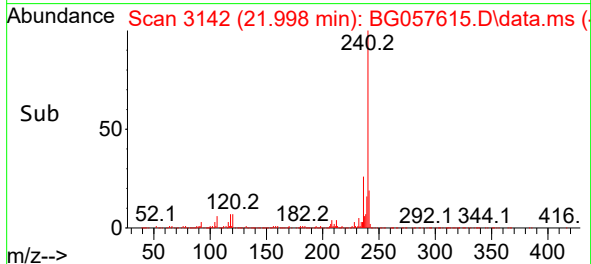
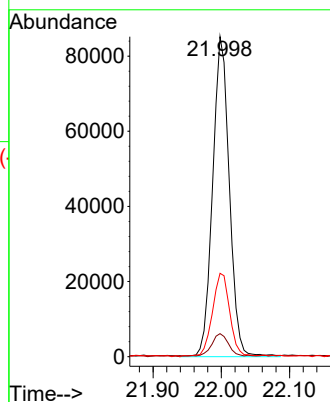
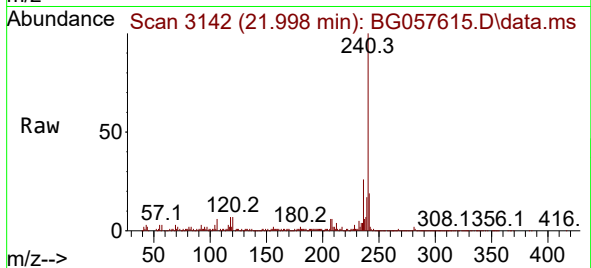
Tgt Ion:240 Resp: 145090

Ion Ratio Lower Upper

240 100

120 7.2 5.2 7.8

236 26.0 21.4 32.0



#79

Terphenyl-d14

Concen: 62.449 ng

RT: 20.265 min Scan# 2847

Delta R.T. -0.004 min

Lab File: BG057615.D

Acq: 30 May 2023 20:55

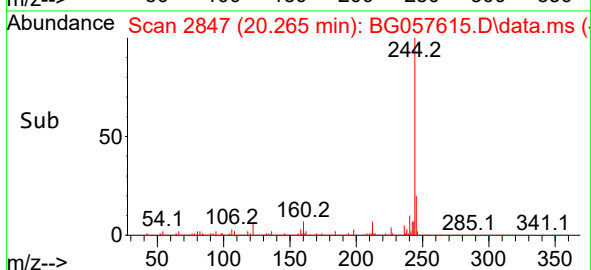
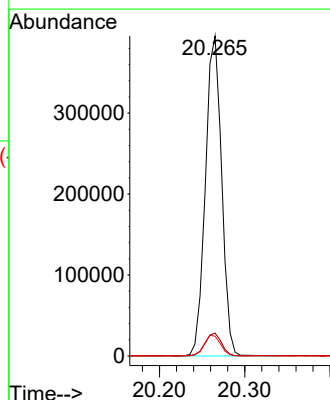
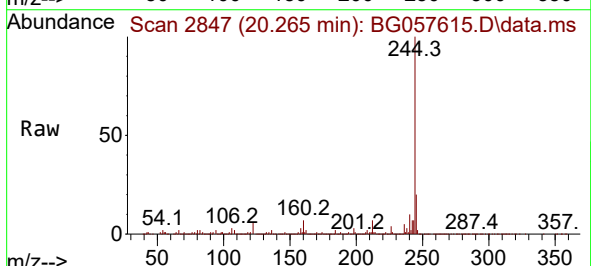
Tgt Ion:244 Resp: 523071

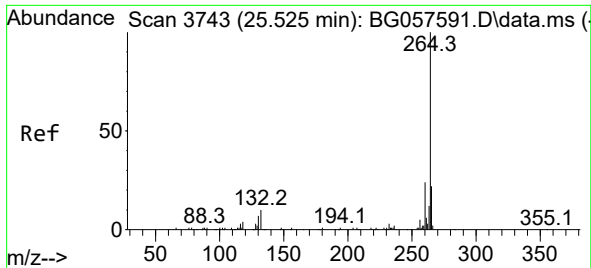
Ion Ratio Lower Upper

244 100

212 7.1 5.6 8.4

122 6.2 4.8 7.2





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 25.493 min Scan# 31  
Delta R.T. 0.002 min  
Lab File: BG057615.D  
Acq: 30 May 2023 20:55

Instrument :  
BNA\_G  
ClientSampleId :  
SB25

Tgt Ion:264 Resp: 149522  
Ion Ratio Lower Upper  
264 100  
260 24.5 19.1 28.7  
265 23.5 17.7 26.5

