

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG052423\  
 Data File : BG057545.D  
 Acq On : 24 May 2023 22:20  
 Operator : CG/JU  
 Sample : 02894-01  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-40A

Quant Time: May 25 02:28:14 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG042723.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 25 02:19:01 2023  
 Response via : Initial Calibration

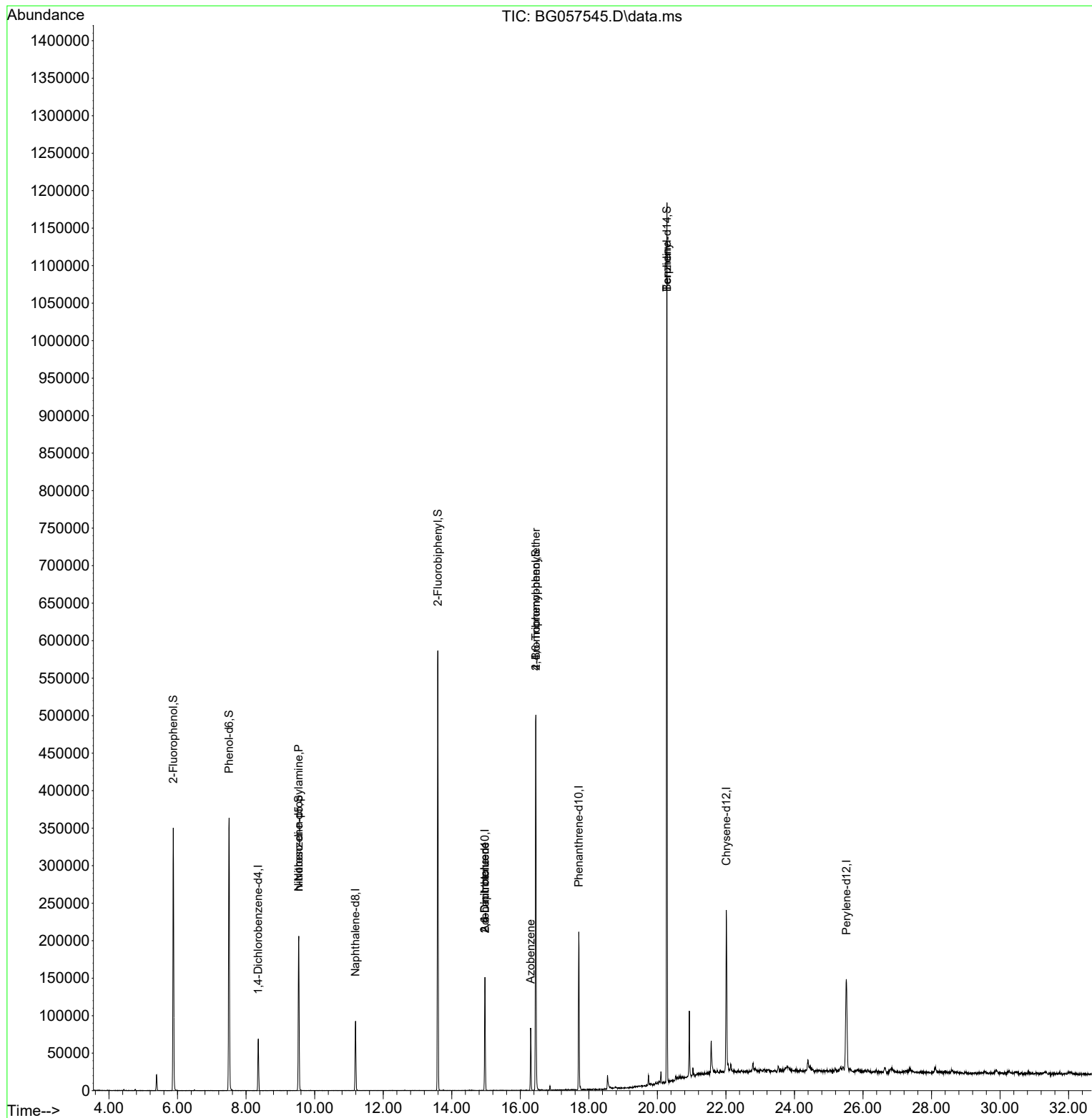
| Compound                      | R.T.   | QIon | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|--------|----------|
| -----                         |        |      |          |           |        |          |
| Internal Standards            |        |      |          |           |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.355  | 152  | 20332    | 20.000    | ng     | -0.01    |
| 21) Naphthalene-d8            | 11.192 | 136  | 79183    | 20.000    | ng     | -0.01    |
| 39) Acenaphthene-d10          | 14.969 | 164  | 55246    | 20.000    | ng     | -0.01    |
| 64) Phenanthrene-d10          | 17.707 | 188  | 140860   | 20.000    | ng     | -0.02    |
| 76) Chrysene-d12              | 22.013 | 240  | 137950   | 20.000    | ng     | -0.02    |
| 86) Perylene-d12              | 25.514 | 264  | 147633   | 20.000    | ng     | -0.03    |
|                               |        |      |          |           |        |          |
| System Monitoring Compounds   |        |      |          |           |        |          |
| 5) 2-Fluorophenol             | 5.876  | 112  | 155944   | 131.202   | ng     | 0.00     |
| 7) Phenol-d6                  | 7.503  | 99   | 227455   | 126.020   | ng     | 0.00     |
| 23) Nitrobenzene-d5           | 9.535  | 82   | 138531   | 73.428    | ng     | -0.01    |
| 42) 2,4,6-Tribromophenol      | 16.456 | 330  | 108053   | 137.843   | ng     | -0.01    |
| 45) 2-Fluorobiphenyl          | 13.595 | 172  | 320471   | 78.125    | ng     | -0.01    |
| 79) Terphenyl-d14             | 20.280 | 244  | 635456   | 75.173    | ng     | -0.01    |
|                               |        |      |          |           |        |          |
| Target Compounds              |        |      |          |           |        |          |
| 9) Benzaldehyde               | 7.497  | 77   | 325      | Below Cal | Qvalue | # 4      |
| 19) n-Nitroso-di-n-propyla... | 9.535  | 70   | 18169    | 13.202 ng | #      | 79       |
| 51) 2,6-Dinitrotoluene        | 14.969 | 165  | 7620     | 8.221 ng  | #      | 17       |
| 57) 2,4-Dinitrotoluene        | 14.969 | 165  | 7620     | 5.752 ng  | #      | 20       |
| 63) Azobenzene                | 16.303 | 77   | 24367    | 5.478 ng  | #      | 1        |
| 67) 4-Bromophenyl-phenylether | 16.456 | 248  | 7185     | 4.178 ng  | #      | 1        |
| 77) Benzidine                 | 20.280 | 184  | 9525     | 3.088 ng  | #      | 91       |
| -----                         |        |      |          |           |        |          |

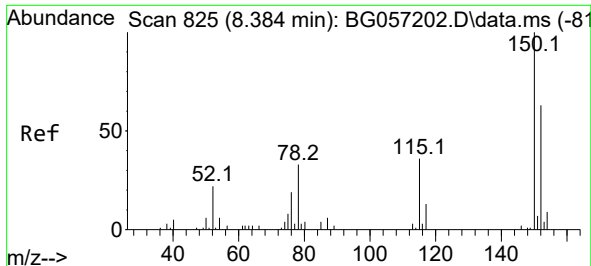
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG052423\  
Data File : BG057545.D  
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ALS Vial : 11 Sample Multiplier: 1

Instrument :  
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Quant Time: May 25 02:28:14 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG042723.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu May 25 02:19:01 2023  
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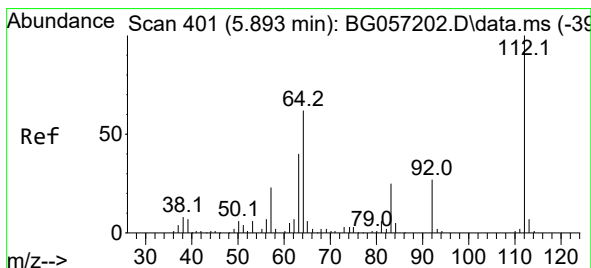
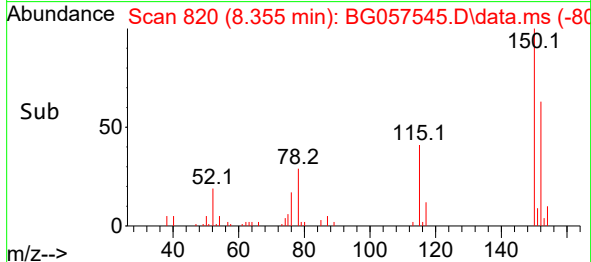
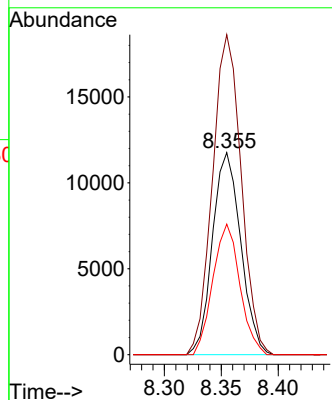
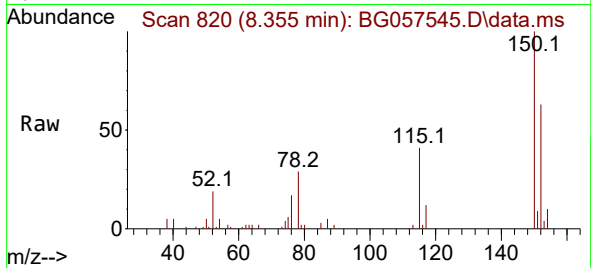




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.355 min Scan# 81  
Delta R.T. -0.011 min  
Lab File: BG057545.D  
Acq: 24 May 2023 22:20

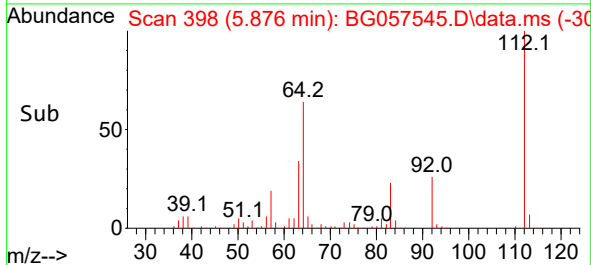
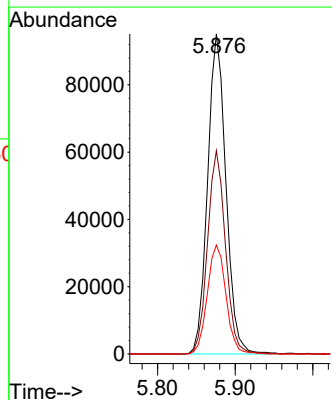
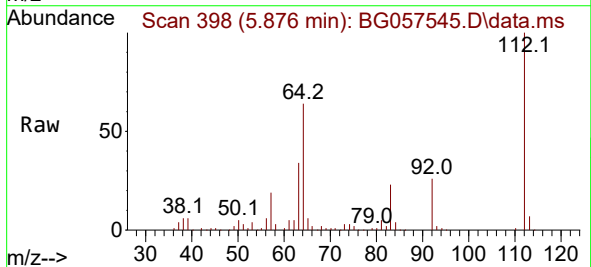
Instrument :  
BNA\_G  
ClientSampleId :  
TP-40A

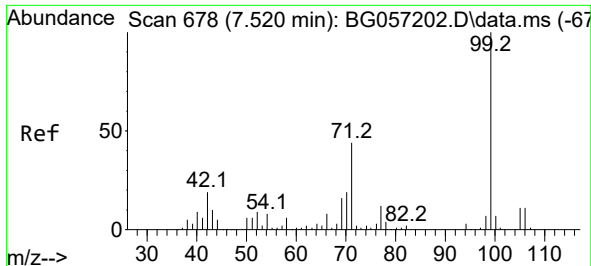
Tgt Ion:152 Resp: 20332  
Ion Ratio Lower Upper  
152 100  
150 158.4 126.2 189.4  
115 64.6 45.0 67.4



#5  
2-Fluorophenol  
Concen: 131.202 ng  
RT: 5.876 min Scan# 398  
Delta R.T. 0.001 min  
Lab File: BG057545.D  
Acq: 24 May 2023 22:20

Tgt Ion:112 Resp: 155944  
Ion Ratio Lower Upper  
112 100  
64 63.5 49.4 74.2  
63 34.1 31.6 47.4

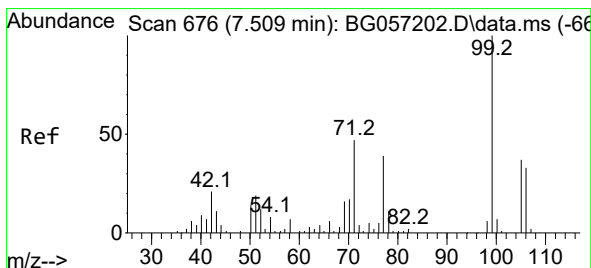
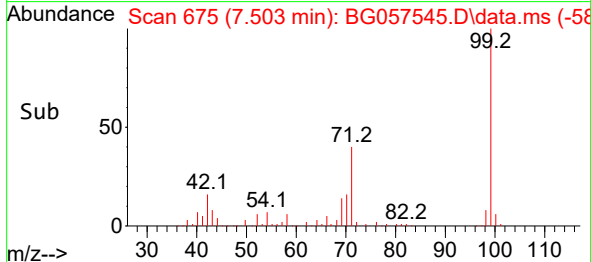
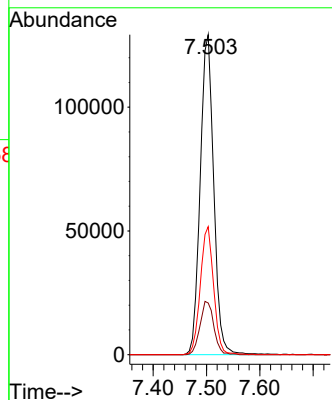
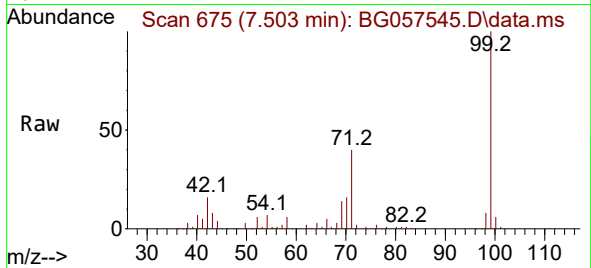




#7  
Phenol-d6  
Concen: 126.020 ng  
RT: 7.503 min Scan# 61  
Delta R.T. -0.005 min  
Lab File: BG057545.D  
Acq: 24 May 2023 22:20

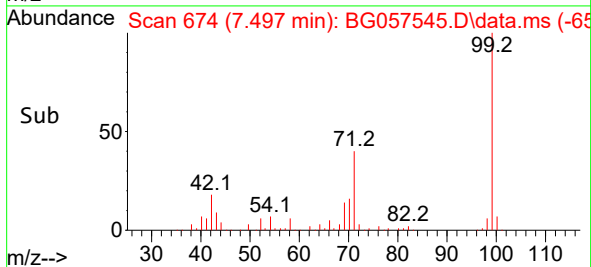
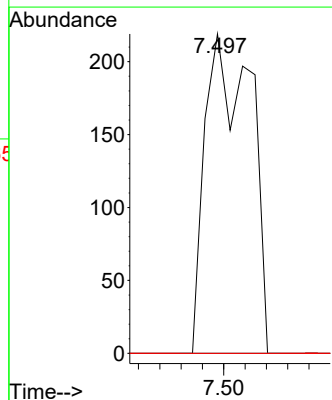
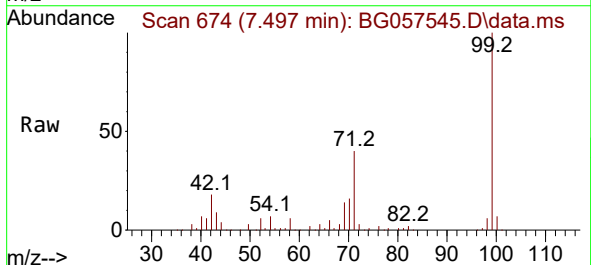
Instrument :  
BNA\_G  
ClientSampleId :  
TP-40A

Tgt Ion: 99 Resp: 227455  
Ion Ratio Lower Upper  
99 100  
42 16.2 15.1 22.7  
71 40.0 35.2 52.8



#9  
Benzaldehyde  
Concen: Below Cal  
RT: 7.497 min Scan# 674  
Delta R.T. 0.007 min  
Lab File: BG057545.D  
Acq: 24 May 2023 22:20

Tgt Ion: 77 Resp: 325  
Ion Ratio Lower Upper  
77 100  
105 0.0 74.6 114.6#  
106 0.0 66.3 106.3#

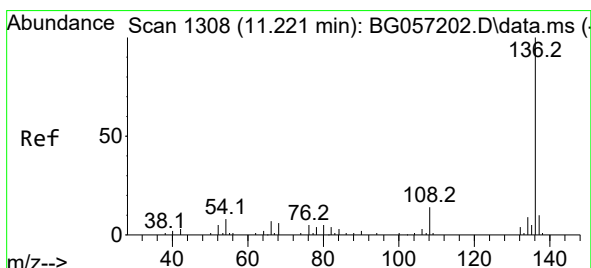
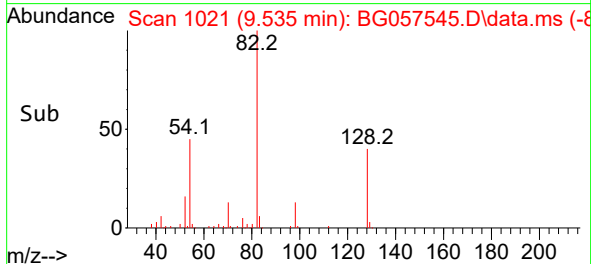
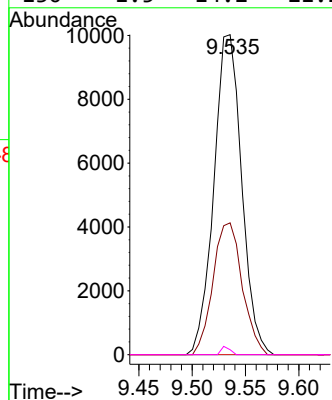
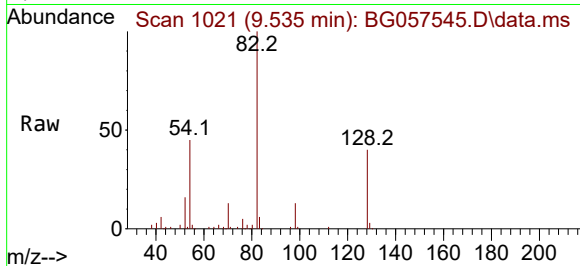




#19  
n-Nitroso-di-n-propylamine  
Concen: 13.202 ng  
RT: 9.535 min Scan# 1021  
Delta R.T. 0.371 min  
Lab File: BG057545.D  
Acq: 24 May 2023 22:20

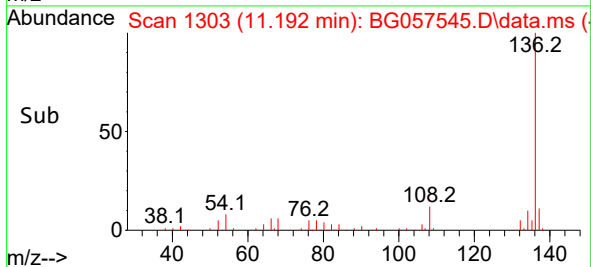
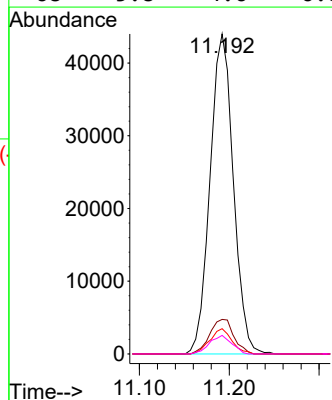
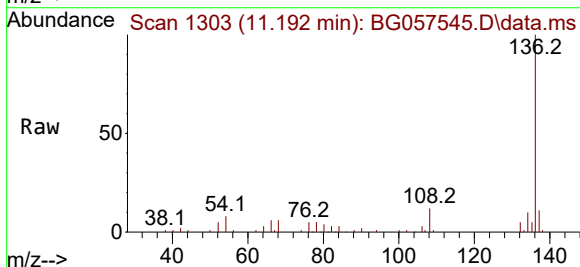
Instrument :  
BNA\_G  
ClientSampleId :  
TP-40A

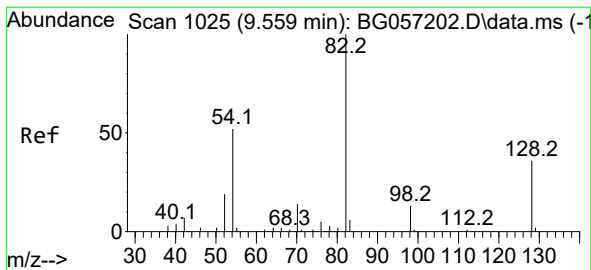
Tgt Ion: 70 Resp: 18169  
Ion Ratio Lower Upper  
70 100  
42 41.2 41.8 62.8#  
101 0.0 6.8 10.2#  
130 1.5 14.2 21.2#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.192 min Scan# 1303  
Delta R.T. -0.011 min  
Lab File: BG057545.D  
Acq: 24 May 2023 22:20

Tgt Ion: 136 Resp: 79183  
Ion Ratio Lower Upper  
136 100  
137 10.8 8.3 12.5  
54 7.9 6.7 10.1  
68 5.8 4.6 6.8





#23

Nitrobenzene-d5

Concen: 73.428 ng

RT: 9.535 min Scan# 1025

Delta R.T. -0.011 min

Lab File: BG057545.D

Acq: 24 May 2023 22:20

Instrument :

BNA\_G

ClientSampleId :

TP-40A

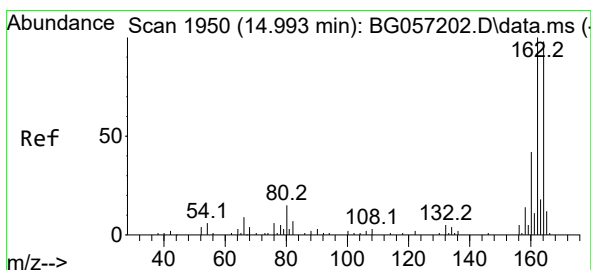
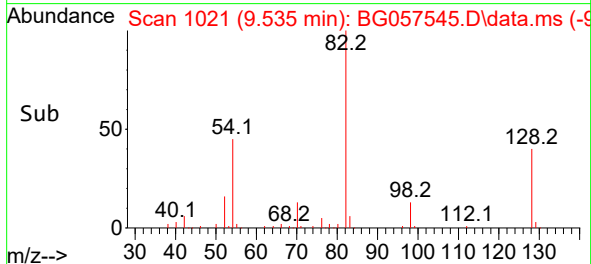
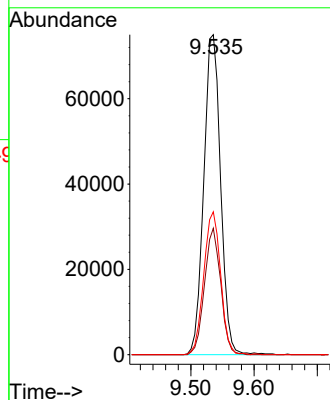
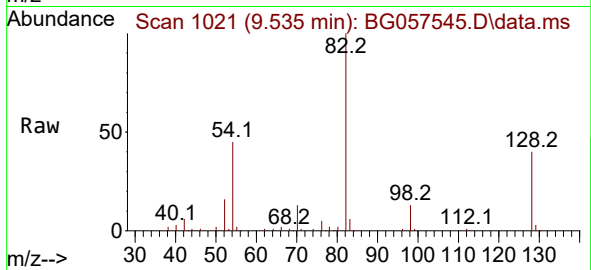
Tgt Ion: 82 Resp: 138531

Ion Ratio Lower Upper

82 100

128 39.5 29.0 43.4

54 44.6 41.4 62.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.969 min Scan# 1946

Delta R.T. -0.011 min

Lab File: BG057545.D

Acq: 24 May 2023 22:20

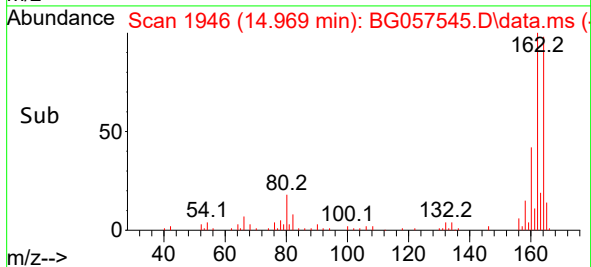
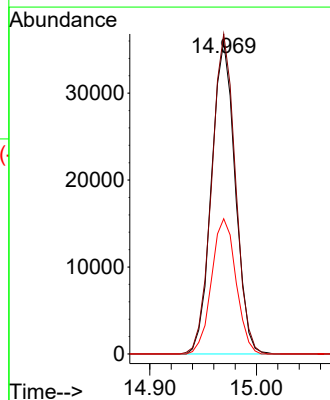
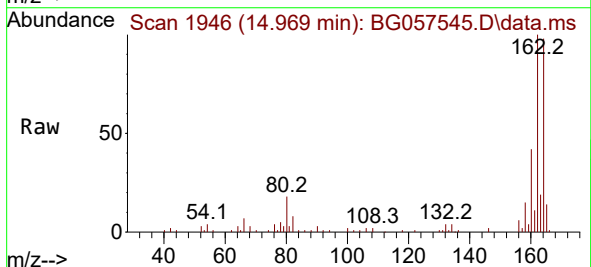
Tgt Ion:164 Resp: 55246

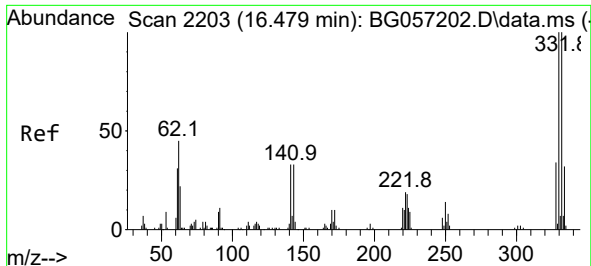
Ion Ratio Lower Upper

164 100

162 102.4 81.8 122.6

160 43.2 34.6 52.0

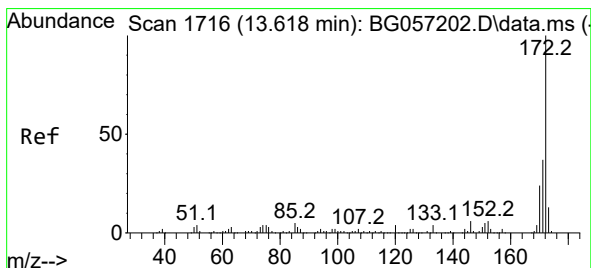
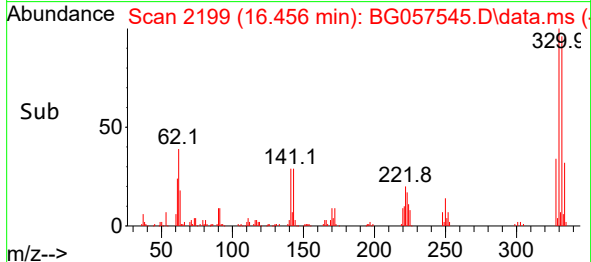
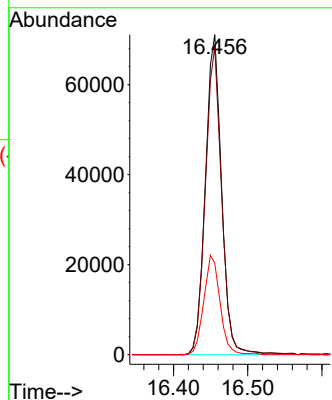
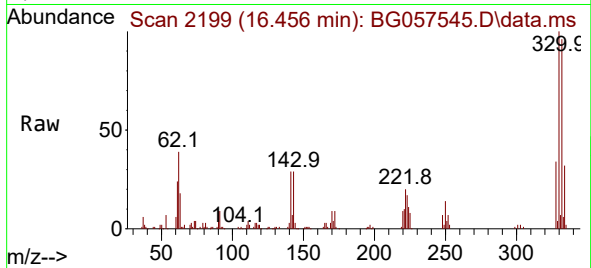




#42  
2,4,6-Tribromophenol  
Concen: 137.843 ng  
RT: 16.456 min Scan# 2199  
Delta R.T. -0.011 min  
Lab File: BG057545.D  
Acq: 24 May 2023 22:20

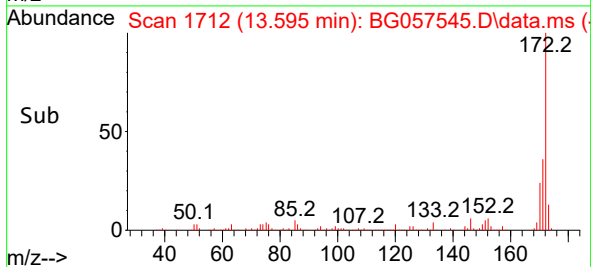
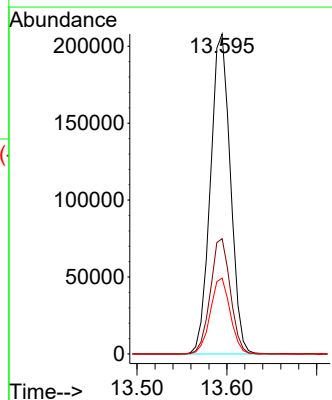
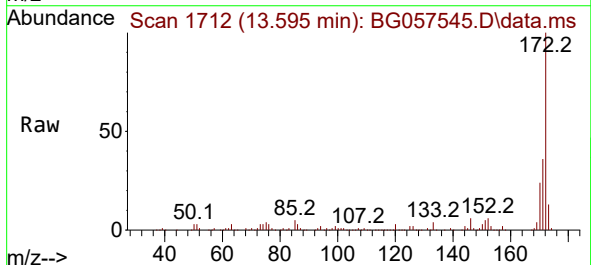
Instrument :  
BNA\_G  
ClientSampleId :  
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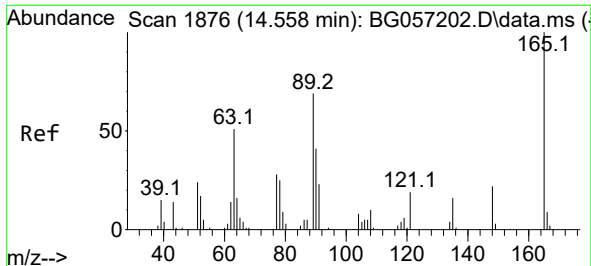
Tgt Ion:330 Resp: 108053  
Ion Ratio Lower Upper  
330 100  
332 95.7 78.2 117.2  
141 31.0 27.8 41.8



#45  
2-Fluorobiphenyl  
Concen: 78.125 ng  
RT: 13.595 min Scan# 1712  
Delta R.T. -0.011 min  
Lab File: BG057545.D  
Acq: 24 May 2023 22:20

Tgt Ion:172 Resp: 320471  
Ion Ratio Lower Upper  
172 100  
171 36.0 29.4 44.0  
170 23.7 19.0 28.6





#51

2,6-Dinitrotoluene

Concen: 8.221 ng

RT: 14.969 min Scan# 1946

Delta R.T. 0.418 min

Lab File: BG057545.D

Acq: 24 May 2023 22:20

Instrument :

BNA\_G

ClientSampleId :

TP-40A

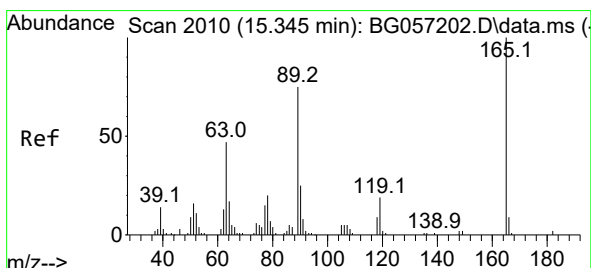
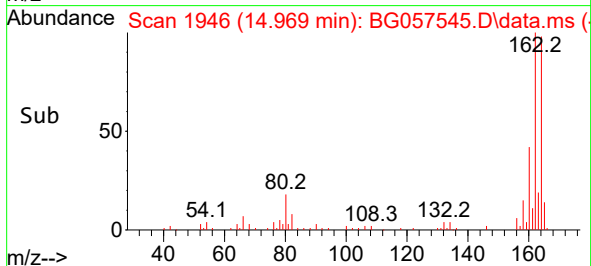
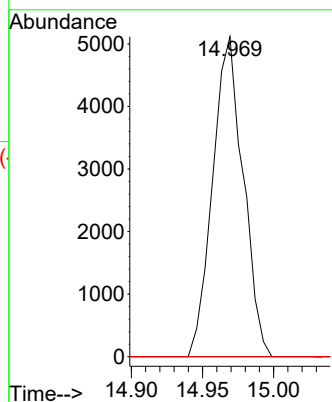
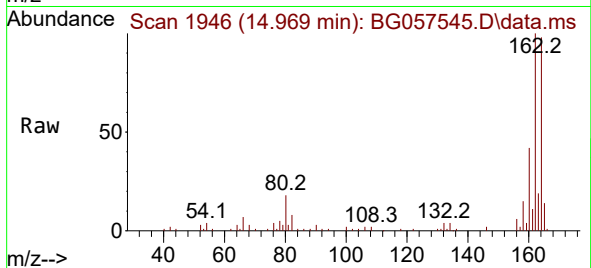
Tgt Ion:165 Resp: 7620

Ion Ratio Lower Upper

165 100

63 0.0 50.9 76.3#

89 0.0 55.2 82.8#



#57

2,4-Dinitrotoluene

Concen: 5.752 ng

RT: 14.969 min Scan# 1946

Delta R.T. -0.369 min

Lab File: BG057545.D

Acq: 24 May 2023 22:20

Tgt Ion:165 Resp: 7620

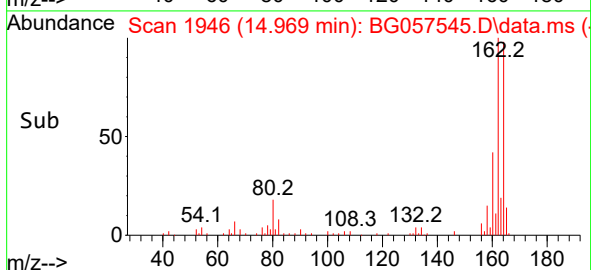
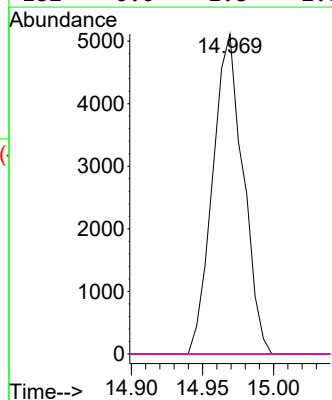
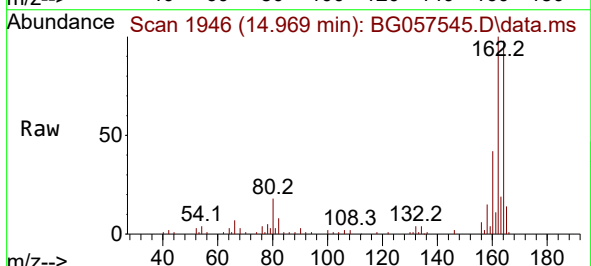
Ion Ratio Lower Upper

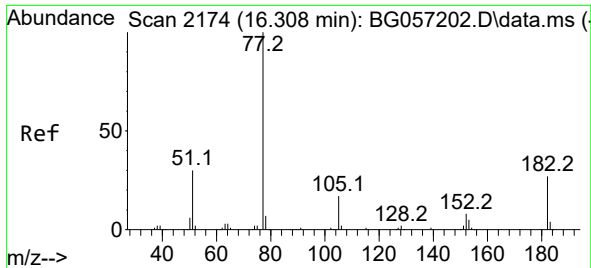
165 100

63 0.0 37.5 56.3#

89 0.0 60.2 90.4#

182 0.0 1.8 2.8#

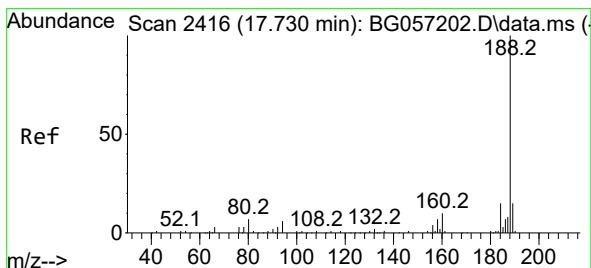
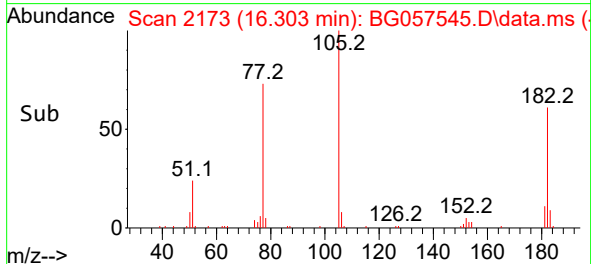
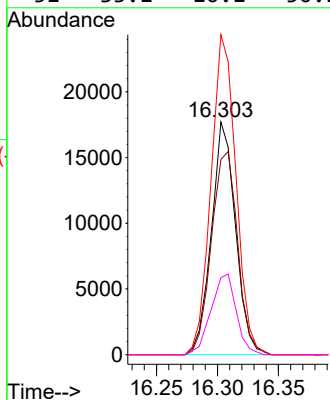
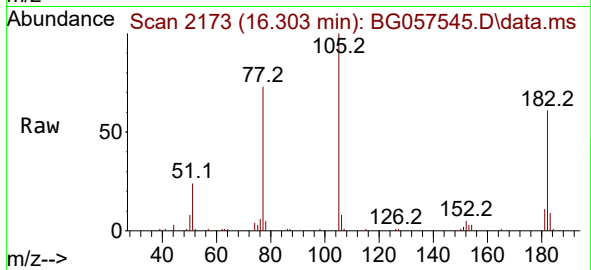




#63  
 Azobenzene  
 Concen: 5.478 ng  
 RT: 16.303 min Scan# 2173  
 Delta R.T. 0.012 min  
 Lab File: BG057545.D  
 Acq: 24 May 2023 22:20

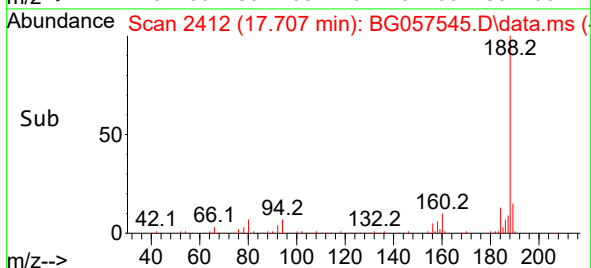
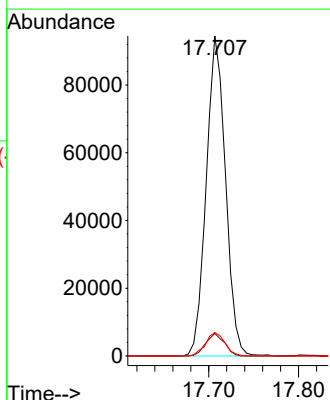
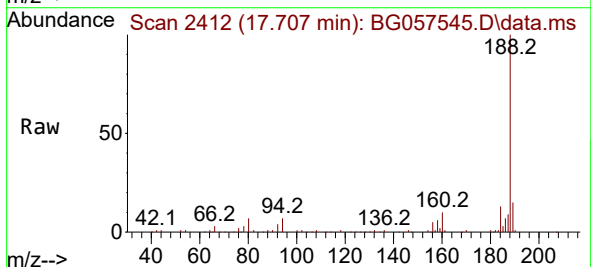
Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-40A

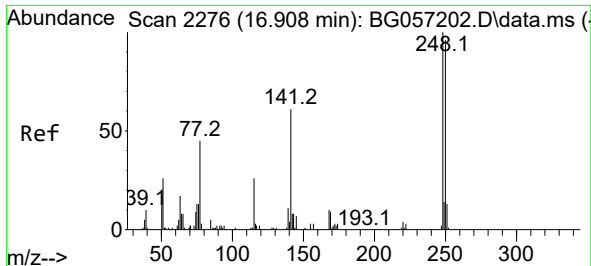
Tgt Ion: 77 Resp: 24367  
 Ion Ratio Lower Upper  
 77 100  
 182 83.8 7.4 47.4#  
 105 137.5 0.0 37.2#  
 51 33.1 10.1 50.1



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.707 min Scan# 2412  
 Delta R.T. -0.017 min  
 Lab File: BG057545.D  
 Acq: 24 May 2023 22:20

Tgt Ion: 188 Resp: 140860  
 Ion Ratio Lower Upper  
 188 100  
 94 7.0 5.1 7.7  
 80 7.4 5.7 8.5

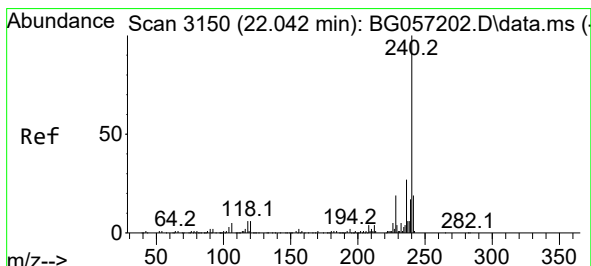
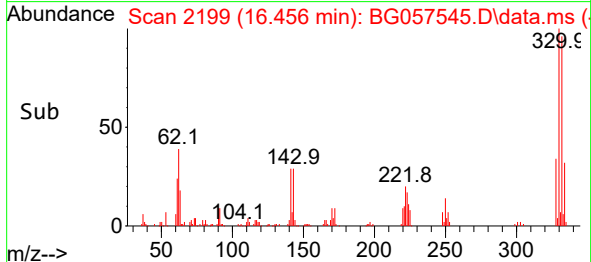
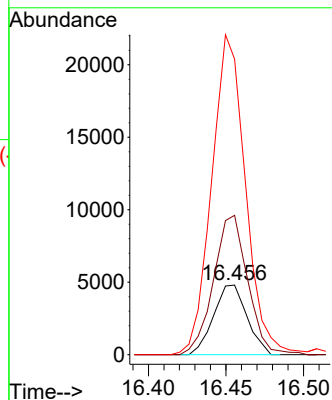
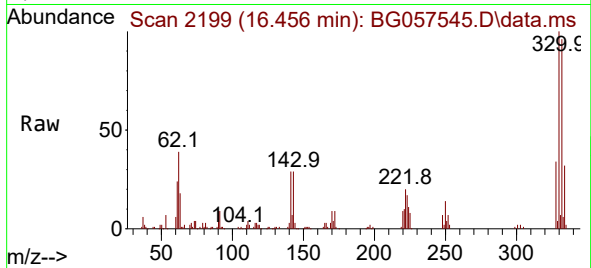




#67  
4-Bromophenyl-phenylether  
Concen: 4.178 ng  
RT: 16.456 min Scan# 2199  
Delta R.T. -0.440 min  
Lab File: BG057545.D  
Acq: 24 May 2023 22:20

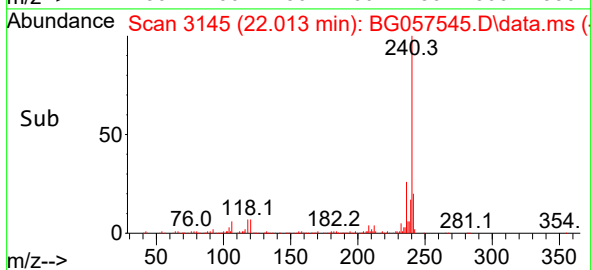
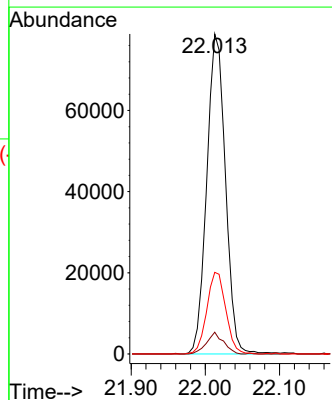
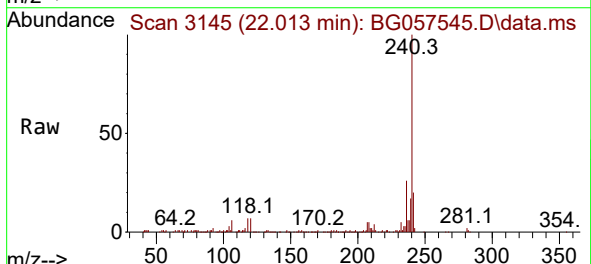
Instrument :  
BNA\_G  
ClientSampleId :  
TP-40A

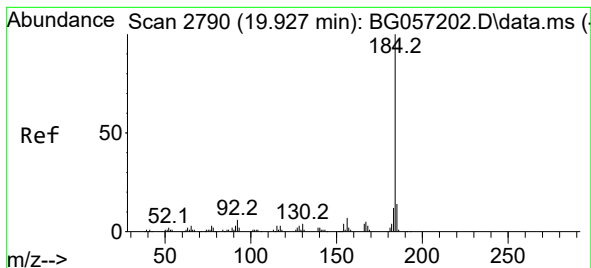
Tgt Ion:248 Resp: 7185  
Ion Ratio Lower Upper  
248 100  
250 200.0 77.0 115.6#  
141 424.1 48.6 72.8#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 22.013 min Scan# 3145  
Delta R.T. -0.023 min  
Lab File: BG057545.D  
Acq: 24 May 2023 22:20

Tgt Ion:240 Resp: 137950  
Ion Ratio Lower Upper  
240 100  
120 6.8 4.9 7.3  
236 25.5 21.4 32.2





#77

Benzidine

Concen: 3.088 ng

RT: 20.280 min Scan# 2850

Delta R.T. 0.359 min

Lab File: BG057545.D

Acq: 24 May 2023 22:20

Instrument :

BNA\_G

ClientSampleId :

TP-40A

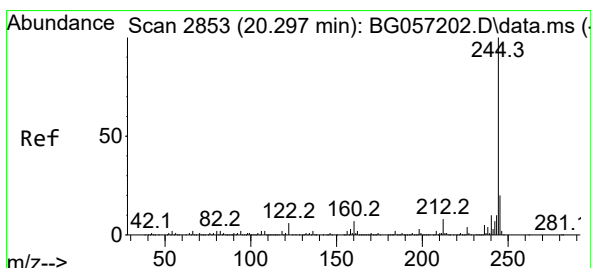
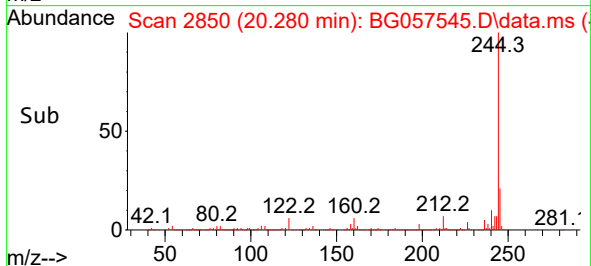
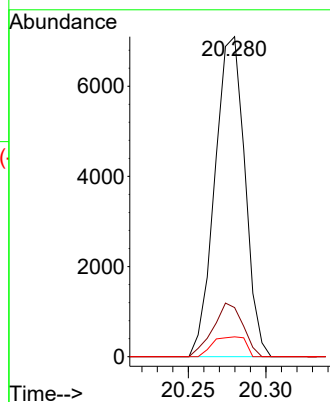
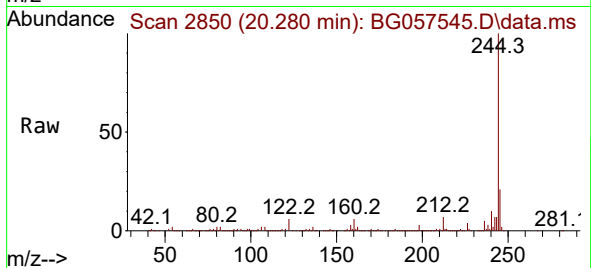
Tgt Ion:184 Resp: 9525

Ion Ratio Lower Upper

184 100

185 15.4 11.1 16.7

183 6.2 9.9 14.9#



#79

Terphenyl-d14

Concen: 75.173 ng

RT: 20.280 min Scan# 2850

Delta R.T. -0.011 min

Lab File: BG057545.D

Acq: 24 May 2023 22:20

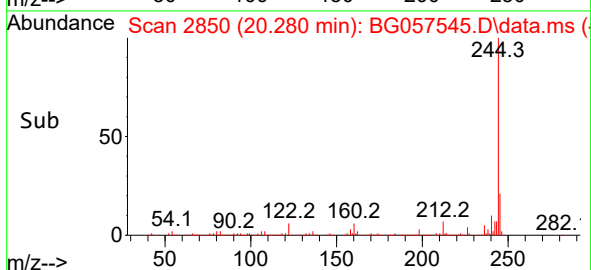
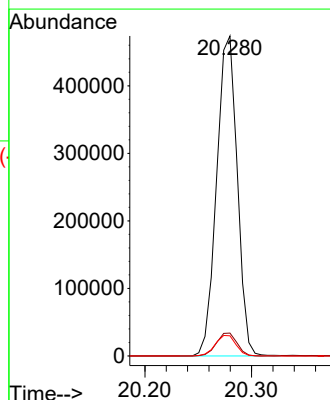
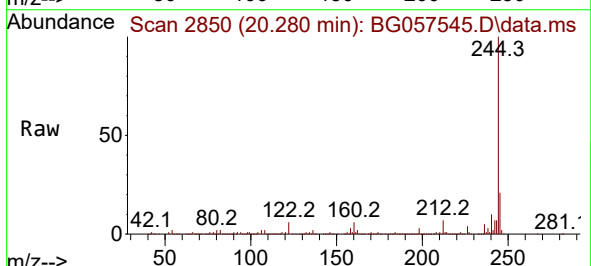
Tgt Ion:244 Resp: 635456

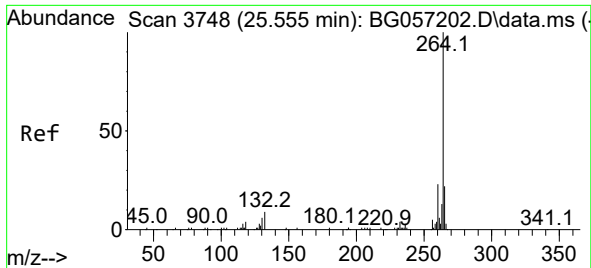
Ion Ratio Lower Upper

244 100

212 7.1 6.1 9.1

122 6.3 5.1 7.7





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 25.514 min Scan# 31  
Delta R.T. -0.029 min  
Lab File: BG057545.D  
Acq: 24 May 2023 22:20

Instrument :  
BNA\_G  
ClientSampleId :  
TP-40A

Tgt Ion:264 Resp: 147633  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 22.2  | 18.8  | 28.2  |
| 265 | 21.8  | 17.9  | 26.9  |

