

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG061721\  
 Data File : BG049012.D  
 Acq On : 17 Jun 2021 13:40  
 Operator : CG/JU  
 Sample : M2735-05  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 124055

Quant Time: Jun 17 14:27:43 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG061121.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 16 12:04:50 2021  
 Response via : Initial Calibration

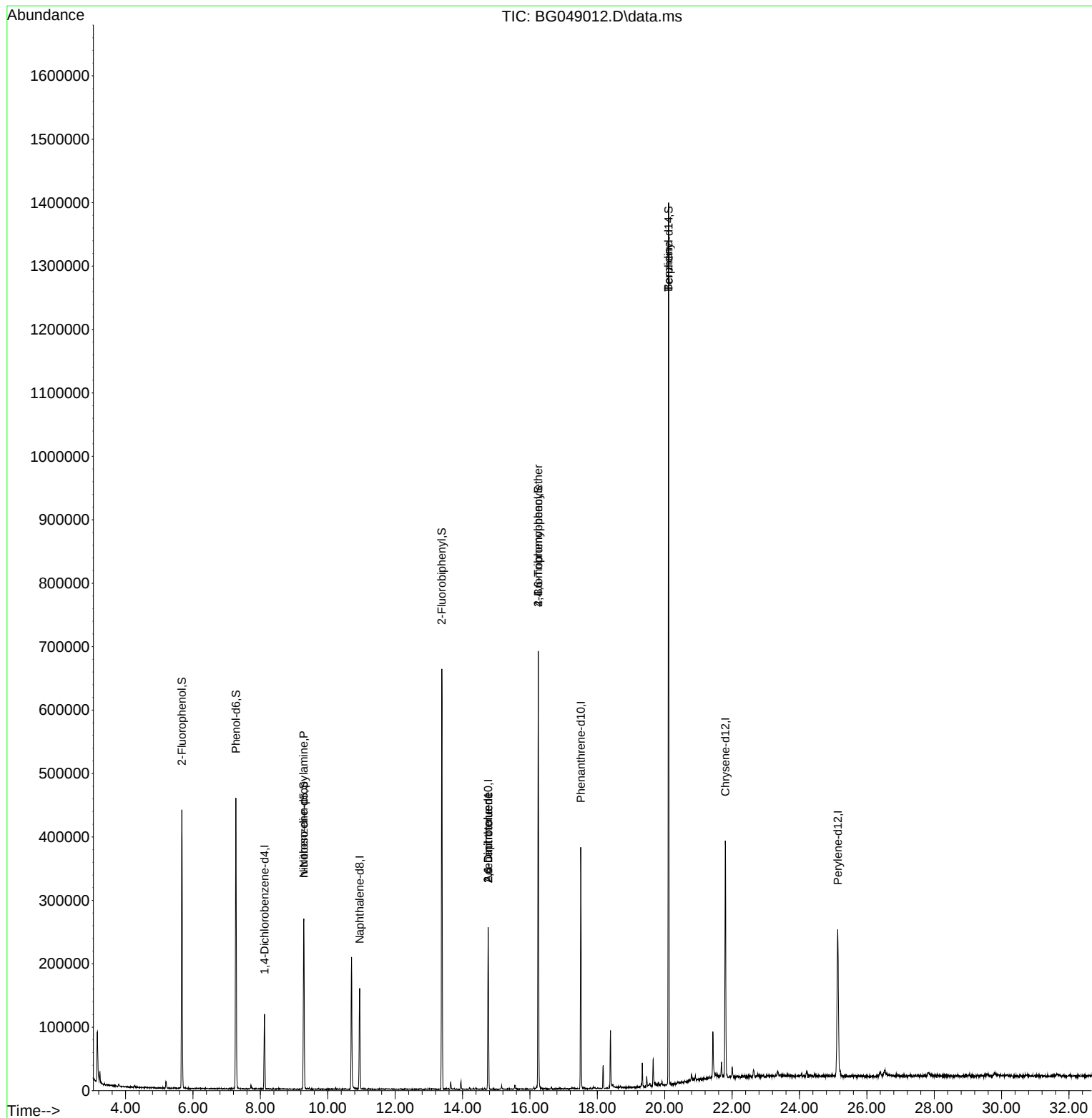
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.126  | 152  | 29941    | 20.000 | ng    | # 0.01   |
| 21) Naphthalene-d8            | 10.946 | 136  | 125495   | 20.000 | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.759 | 164  | 93036    | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.509 | 188  | 232775   | 20.000 | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.798 | 240  | 243204   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 25.135 | 264  | 250152   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.670  | 112  | 170535   | 88.664 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.274  | 99   | 229761   | 79.701 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.283  | 82   | 161721   | 55.567 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.246 | 330  | 124035   | 89.986 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.384 | 172  | 330362   | 50.162 | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.118 | 244  | 665951   | 50.148 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 9.283  | 70   | 23284    | 10.333 | ng    | # 73     |
| 51) 2,6-Dinitrotoluene        | 14.759 | 165  | 12567    | 8.515  | ng    | # 11     |
| 57) 2,4-Dinitrotoluene        | 14.759 | 165  | 12567    | 6.932  | ng    | # 16     |
| 67) 4-Bromophenyl-phenylether | 16.246 | 248  | 7723     | 2.657  | ng    | # 1      |
| 77) Benzidine                 | 20.112 | 184  | 12965    | 2.646  | ng    | # 91     |
| -----                         |        |      |          |        |       |          |

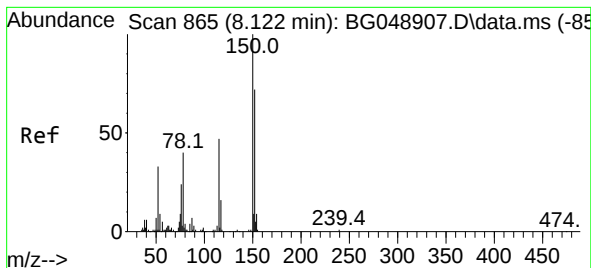
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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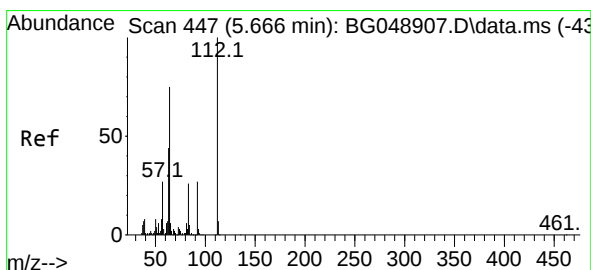
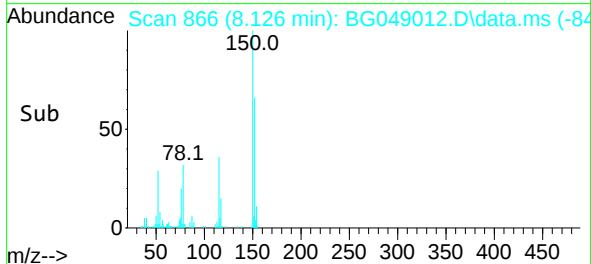
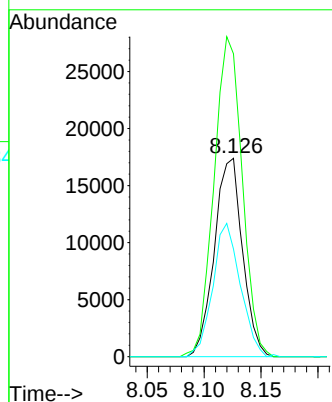
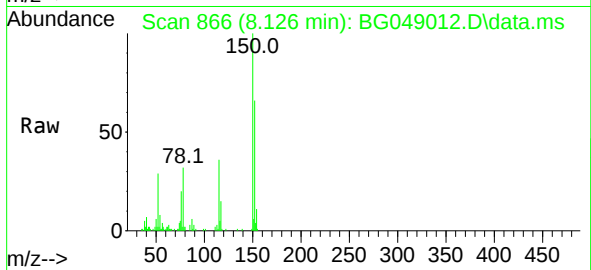




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.126 min Scan# 866  
Delta R.T. 0.012 min  
Lab File: BG049012.D  
Acq: 17 Jun 2021 13:40

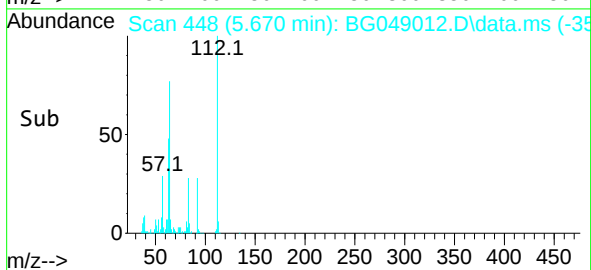
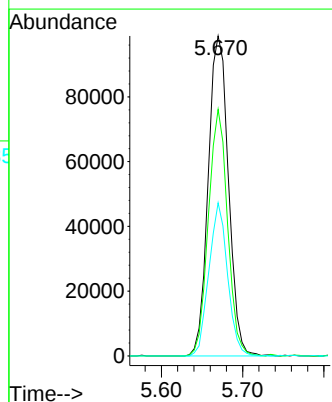
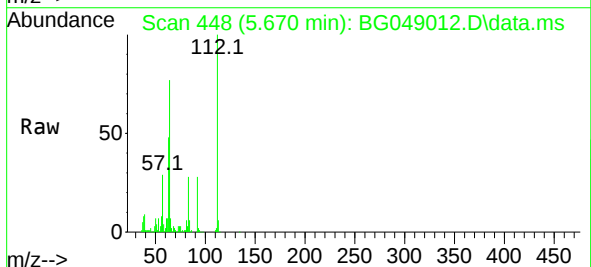
Instrument :  
BNA\_G  
ClientSampleId :  
124055

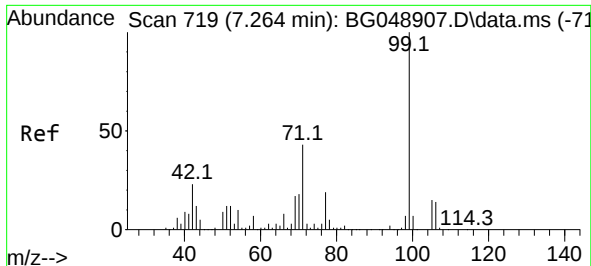
Tgt Ion:152 Resp: 29941  
Ion Ratio Lower Upper  
152 100  
150 152.6 119.4 179.0  
115 54.2 60.2 90.4#



#5  
2-Fluorophenol  
Concen: 88.664 ng  
RT: 5.670 min Scan# 448  
Delta R.T. 0.006 min  
Lab File: BG049012.D  
Acq: 17 Jun 2021 13:40

Tgt Ion:112 Resp: 170535  
Ion Ratio Lower Upper  
112 100  
64 77.1 46.7 70.1#  
63 47.9 35.3 52.9

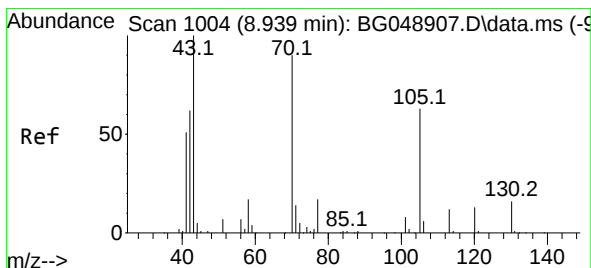
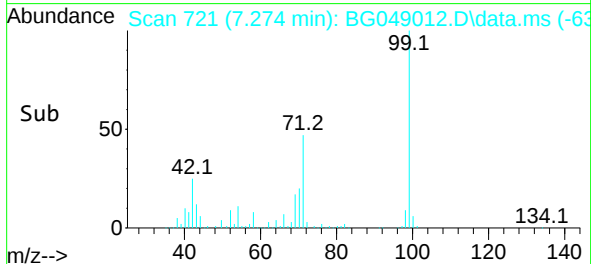
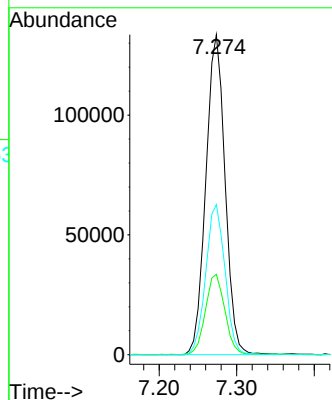
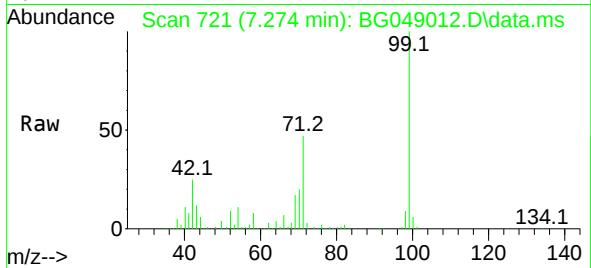




#7  
Phenol-d6  
Concen: 79.701 ng  
RT: 7.274 min Scan# 721  
Delta R.T. 0.006 min  
Lab File: BG049012.D  
Acq: 17 Jun 2021 13:40

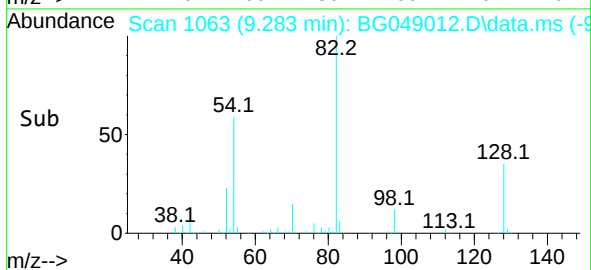
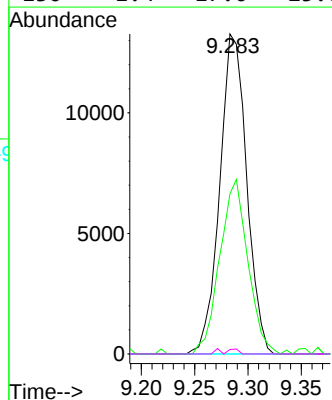
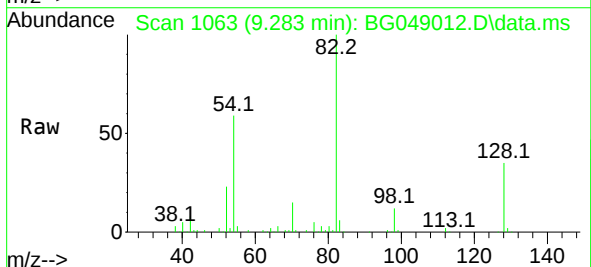
Instrument :  
BNA\_G  
ClientSampleId :  
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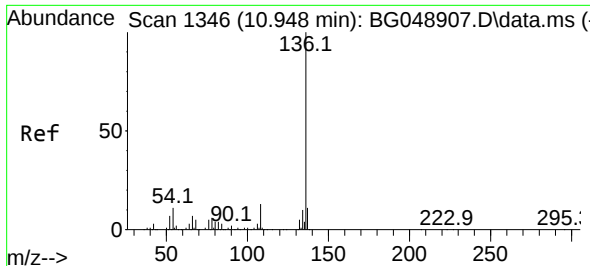
Tgt Ion: 99 Resp: 229761  
Ion Ratio Lower Upper  
99 100  
42 25.1 20.5 30.7  
71 46.9 41.5 62.3



#19  
n-Nitroso-di-n-propylamine  
Concen: 10.333 ng  
RT: 9.283 min Scan# 1063  
Delta R.T. 0.359 min  
Lab File: BG049012.D  
Acq: 17 Jun 2021 13:40

Tgt Ion: 70 Resp: 23284  
Ion Ratio Lower Upper  
70 100  
42 50.1 54.5 81.7#  
101 0.0 9.0 13.6#  
130 1.4 17.0 25.6#

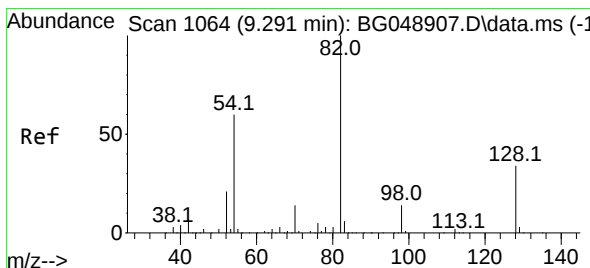
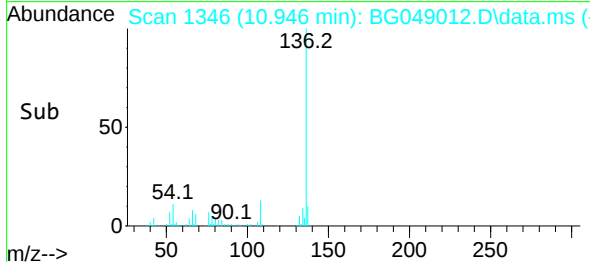
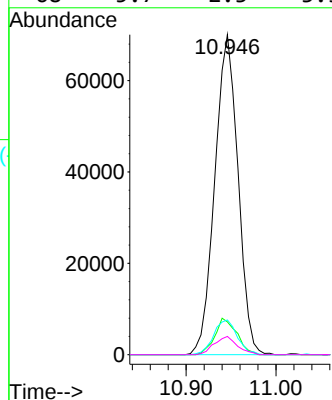
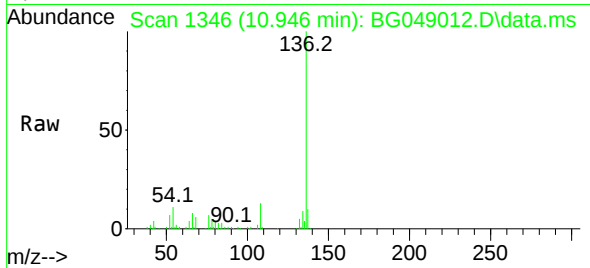




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.946 min Scan# 1346  
Delta R.T. 0.006 min  
Lab File: BG049012.D  
Acq: 17 Jun 2021 13:40

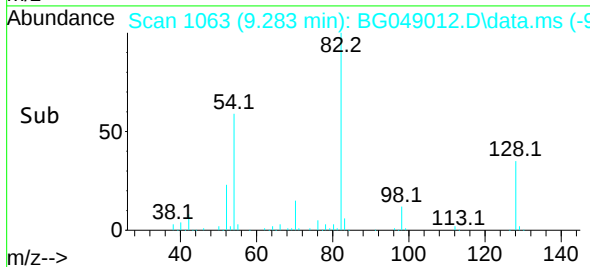
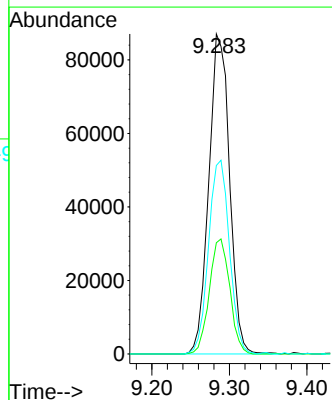
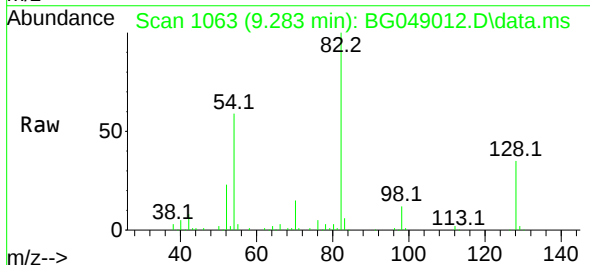
Instrument :  
BNA\_G  
ClientSampleId :  
124055

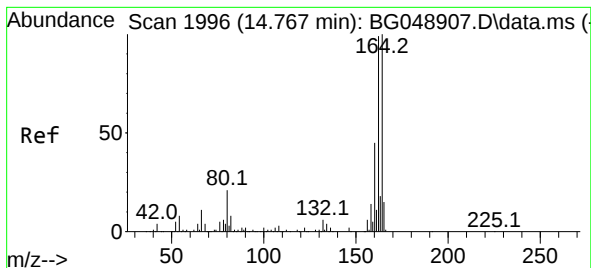
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 125495 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.3  | 8.2   | 12.2   |
| 54       | 10.8  | 5.5   | 8.3#   |
| 68       | 5.7   | 2.3   | 3.5#   |



#23  
Nitrobenzene-d5  
Concen: 55.567 ng  
RT: 9.283 min Scan# 1063  
Delta R.T. 0.000 min  
Lab File: BG049012.D  
Acq: 17 Jun 2021 13:40

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 161721 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 34.8  | 29.8  | 44.6   |
| 54       | 58.9  | 45.8  | 68.8   |

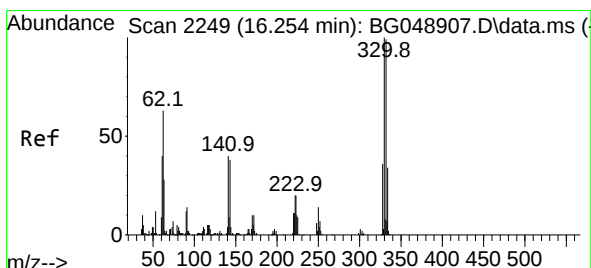
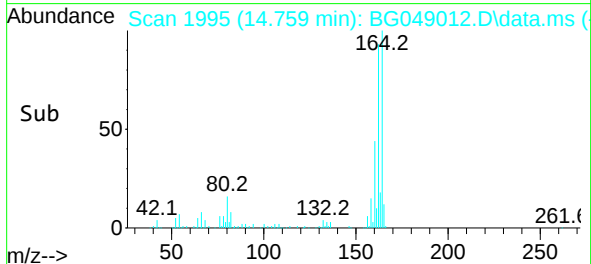
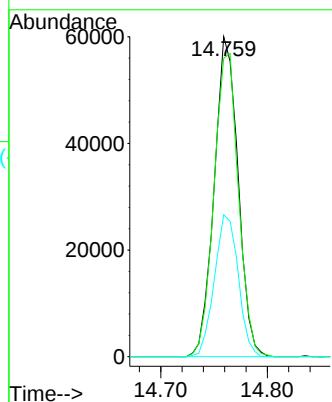
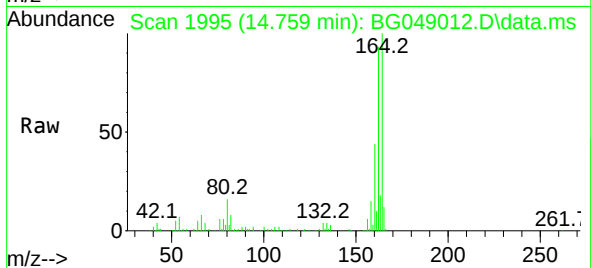




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.759 min Scan# 1995  
Delta R.T. 0.000 min  
Lab File: BG049012.D  
Acq: 17 Jun 2021 13:40

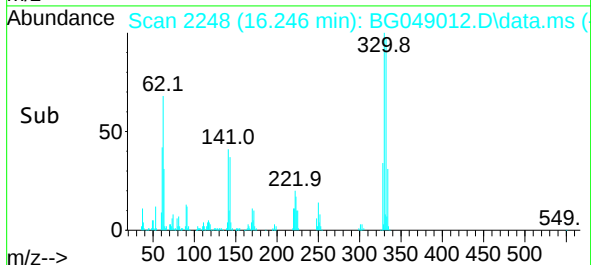
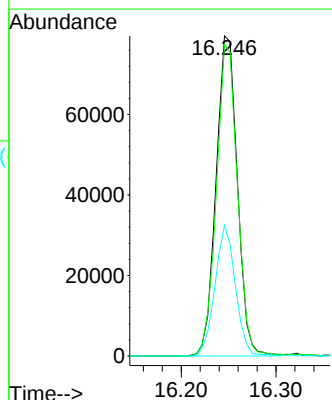
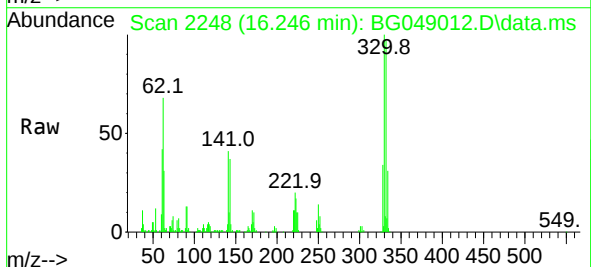
Instrument :  
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ClientSampleId :  
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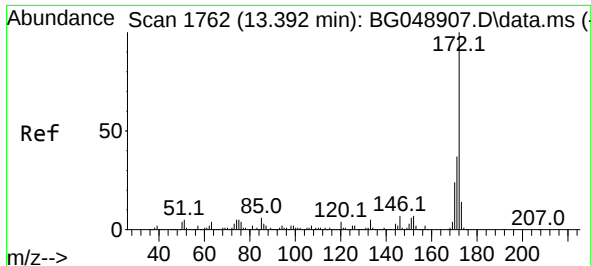
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:164 | Resp: | 93036      |
| Ion Ratio   | Lower | Upper      |
| 164         | 100   |            |
| 162         | 93.3  | 81.4 122.0 |
| 160         | 44.3  | 34.9 52.3  |



#42  
2,4,6-Tribromophenol  
Concen: 89.986 ng  
RT: 16.246 min Scan# 2248  
Delta R.T. 0.000 min  
Lab File: BG049012.D  
Acq: 17 Jun 2021 13:40

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:330 | Resp: | 124035     |
| Ion Ratio   | Lower | Upper      |
| 330         | 100   |            |
| 332         | 96.3  | 77.3 115.9 |
| 141         | 39.3  | 35.6 53.4  |

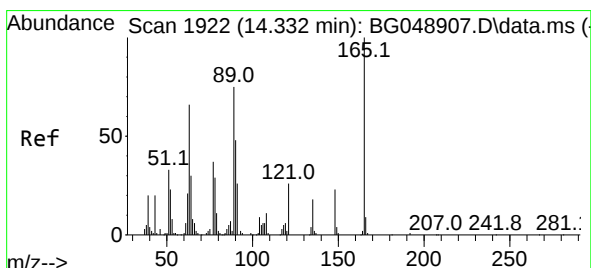
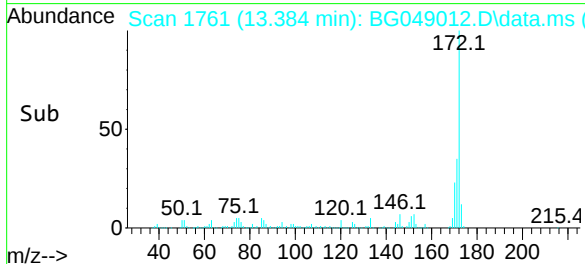
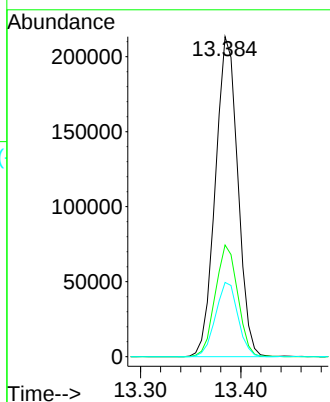
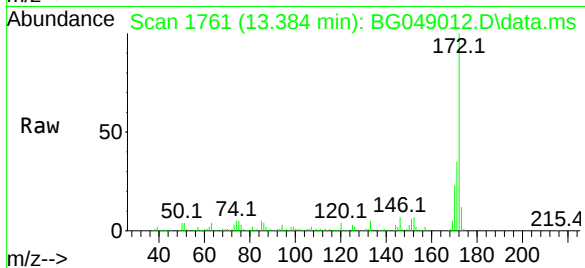




#45  
2-Fluorobiphenyl  
Concen: 50.162 ng  
RT: 13.384 min Scan# 1761  
Delta R.T. 0.000 min  
Lab File: BG049012.D  
Acq: 17 Jun 2021 13:40

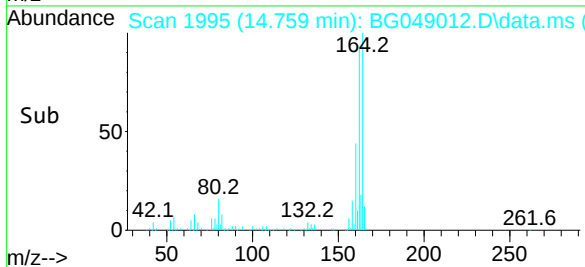
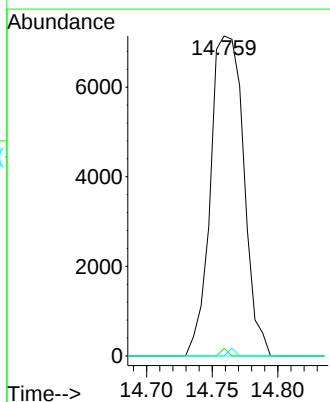
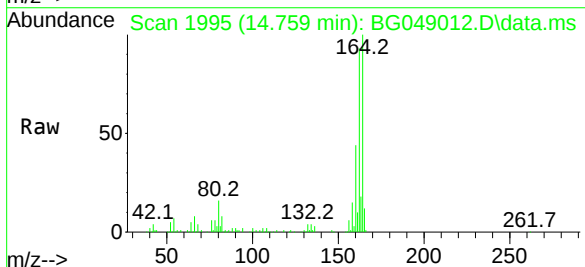
Instrument :  
BNA\_G  
ClientSampleId :  
124055

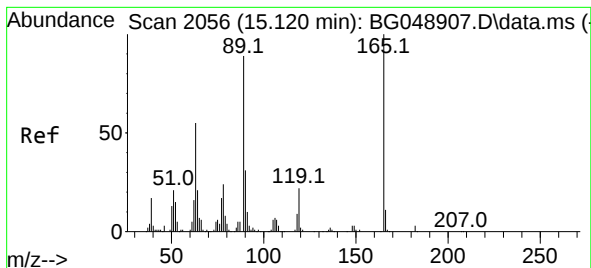
Tgt Ion:172 Resp: 330362  
Ion Ratio Lower Upper  
172 100  
171 34.9 28.6 43.0  
170 23.2 18.6 27.8



#51  
2,6-Dinitrotoluene  
Concen: 8.515 ng  
RT: 14.759 min Scan# 1995  
Delta R.T. 0.435 min  
Lab File: BG049012.D  
Acq: 17 Jun 2021 13:40

Tgt Ion:165 Resp: 12567  
Ion Ratio Lower Upper  
165 100  
63 2.3 63.3 94.9#  
89 0.0 63.4 95.0#

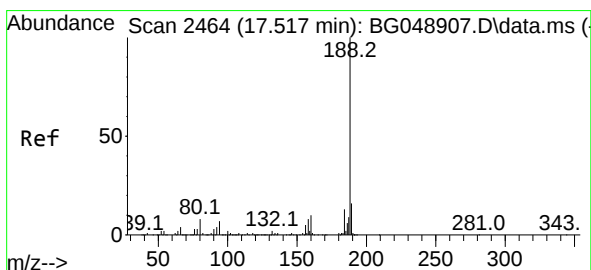
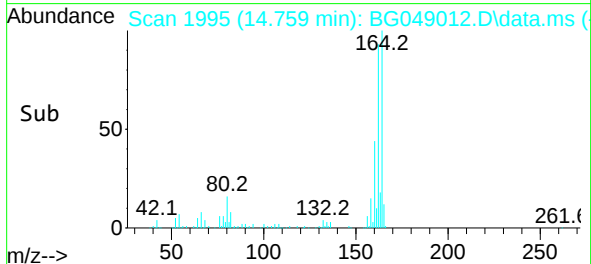
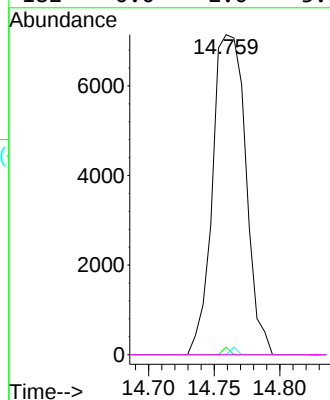
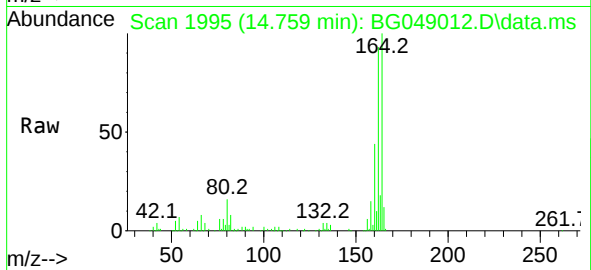




#57  
2,4-Dinitrotoluene  
Concen: 6.932 ng  
RT: 14.759 min Scan# 1995  
Delta R.T. -0.352 min  
Lab File: BG049012.D  
Acq: 17 Jun 2021 13:40

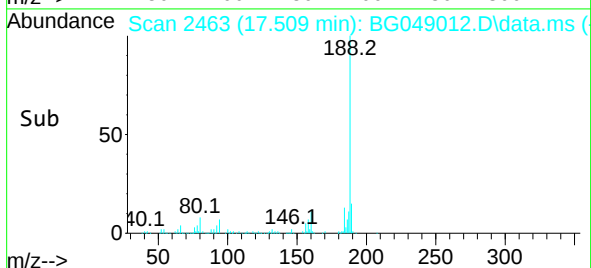
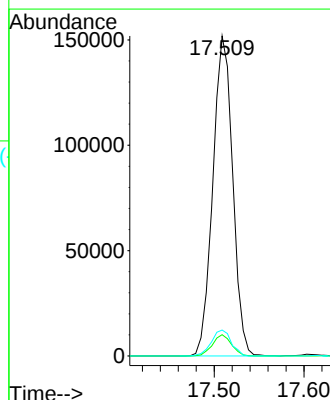
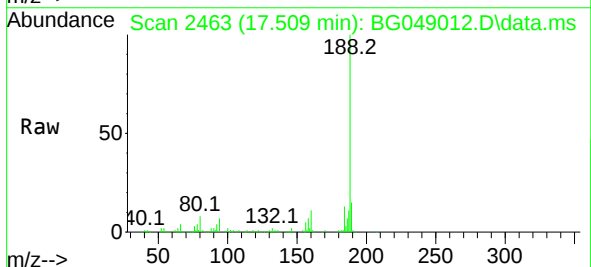
Instrument :  
BNA\_G  
ClientSampleId :  
124055

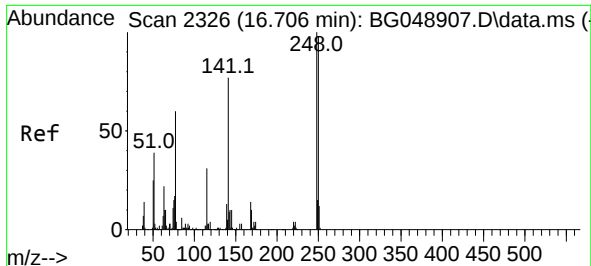
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 165   | Resp: | 12567 |
| Ion Ratio | Lower | Upper |       |
| 165       | 100   |       |       |
| 63        | 2.3   | 48.0  | 72.0# |
| 89        | 0.0   | 65.4  | 98.0# |
| 182       | 0.0   | 2.0   | 3.0#  |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.509 min Scan# 2463  
Delta R.T. 0.000 min  
Lab File: BG049012.D  
Acq: 17 Jun 2021 13:40

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 188   | Resp: | 232775 |
| Ion Ratio | Lower | Upper |        |
| 188       | 100   |       |        |
| 94        | 6.7   | 5.4   | 8.0    |
| 80        | 8.1   | 3.7   | 5.5#   |

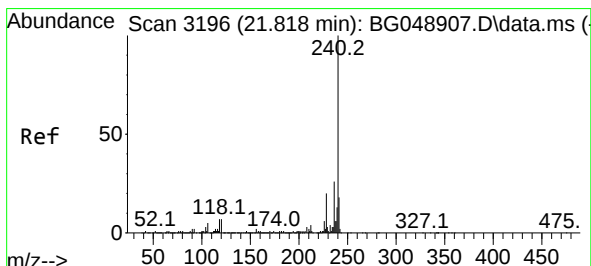
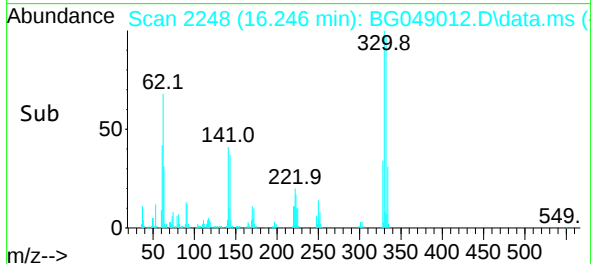
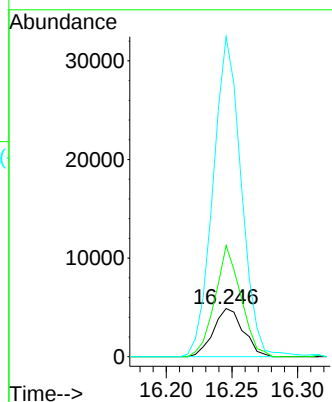
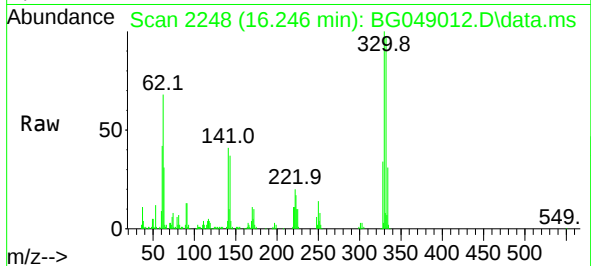




#67  
4-Bromophenyl-phenylether  
Concen: 2.657 ng  
RT: 16.246 min Scan# 2248  
Delta R.T. -0.446 min  
Lab File: BG049012.D  
Acq: 17 Jun 2021 13:40

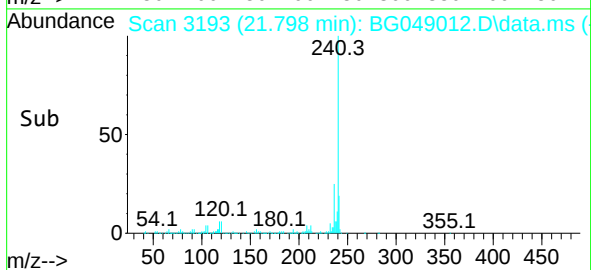
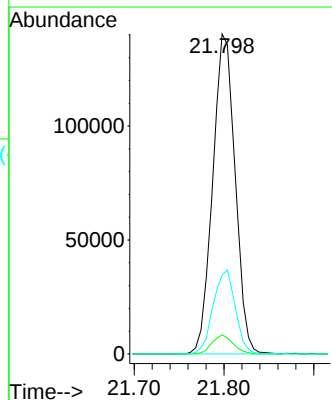
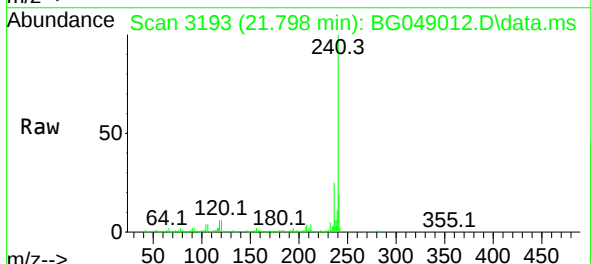
Instrument :  
BNA\_G  
ClientSampleId :  
124055

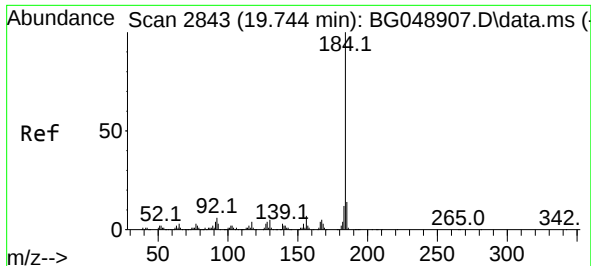
Tgt Ion:248 Resp: 7723  
Ion Ratio Lower Upper  
248 100  
250 230.9 76.1 114.1#  
141 664.0 65.4 98.2#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.798 min Scan# 3193  
Delta R.T. 0.000 min  
Lab File: BG049012.D  
Acq: 17 Jun 2021 13:40

Tgt Ion:240 Resp: 243204  
Ion Ratio Lower Upper  
240 100  
120 6.0 4.2 6.2  
236 24.6 21.8 32.6

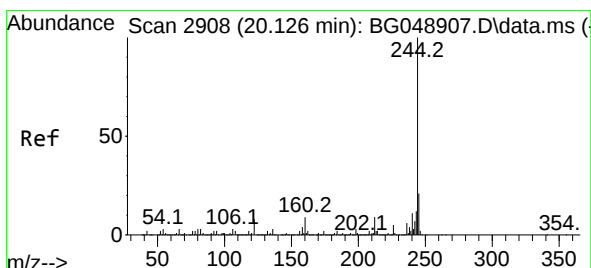
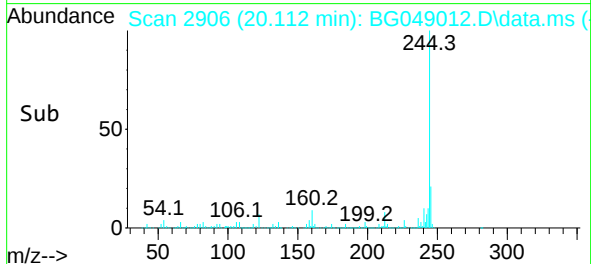
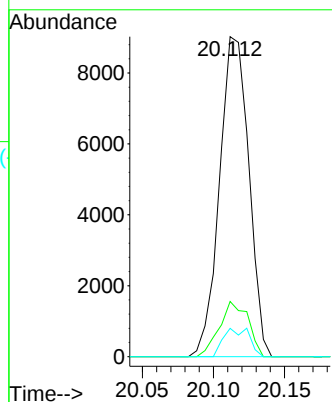
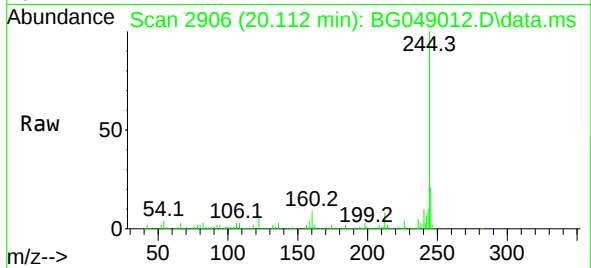




#77  
Benzidine  
Concen: 2.646 ng  
RT: 20.112 min Scan# 2906  
Delta R.T. 0.382 min  
Lab File: BG049012.D  
Acq: 17 Jun 2021 13:40

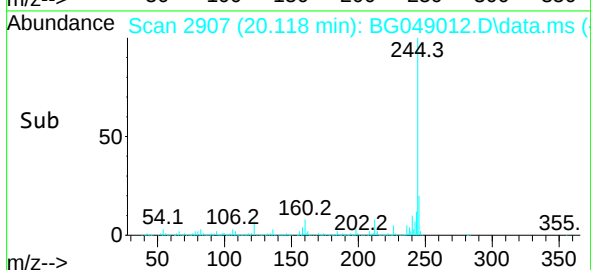
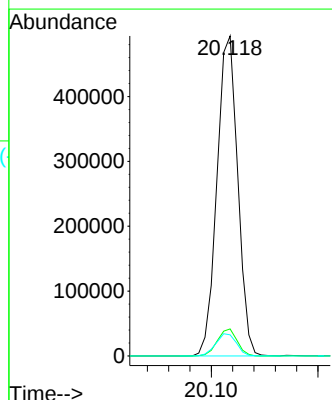
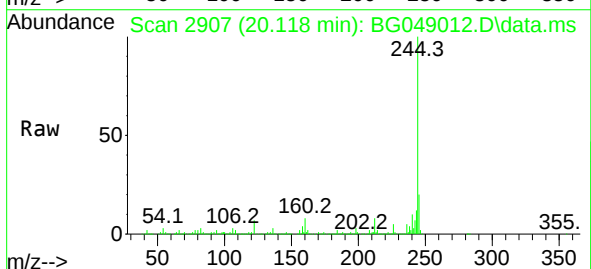
Instrument :  
BNA\_G  
ClientSampleId :  
124055

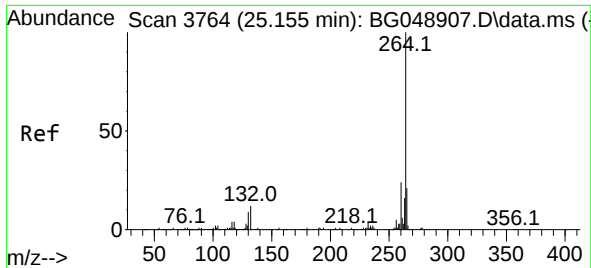
Tgt Ion:184 Resp: 12965  
Ion Ratio Lower Upper  
184 100  
185 17.2 10.7 16.1#  
183 8.9 9.4 14.0#



#79  
Terphenyl-d14  
Concen: 50.148 ng  
RT: 20.118 min Scan# 2907  
Delta R.T. 0.006 min  
Lab File: BG049012.D  
Acq: 17 Jun 2021 13:40

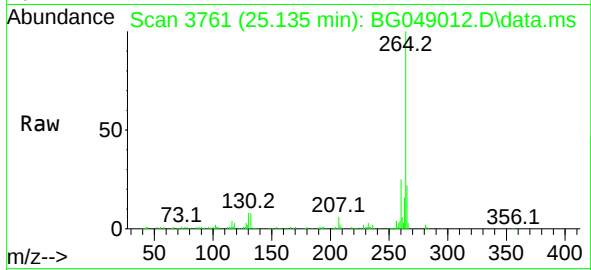
Tgt Ion:244 Resp: 665951  
Ion Ratio Lower Upper  
244 100  
212 8.5 6.9 10.3  
122 6.6 5.0 7.6





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 25.135 min Scan# 3761  
Delta R.T. 0.006 min  
Lab File: BG049012.D  
Acq: 17 Jun 2021 13:40

Instrument :  
BNA\_G  
ClientSampleId :  
124055



Tgt Ion:264 Resp: 250152  
Ion Ratio Lower Upper  
264 100  
260 24.5 19.4 29.2  
265 22.1 16.9 25.3

