

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG062822\  
 Data File : BG054122.D  
 Acq On : 28 Jun 2022 18:09  
 Operator : CG/JU  
 Sample : PB145840TB  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Jun 29 00:49:56 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG061322.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 27 00:27:54 2022  
 Response via : Initial Calibration

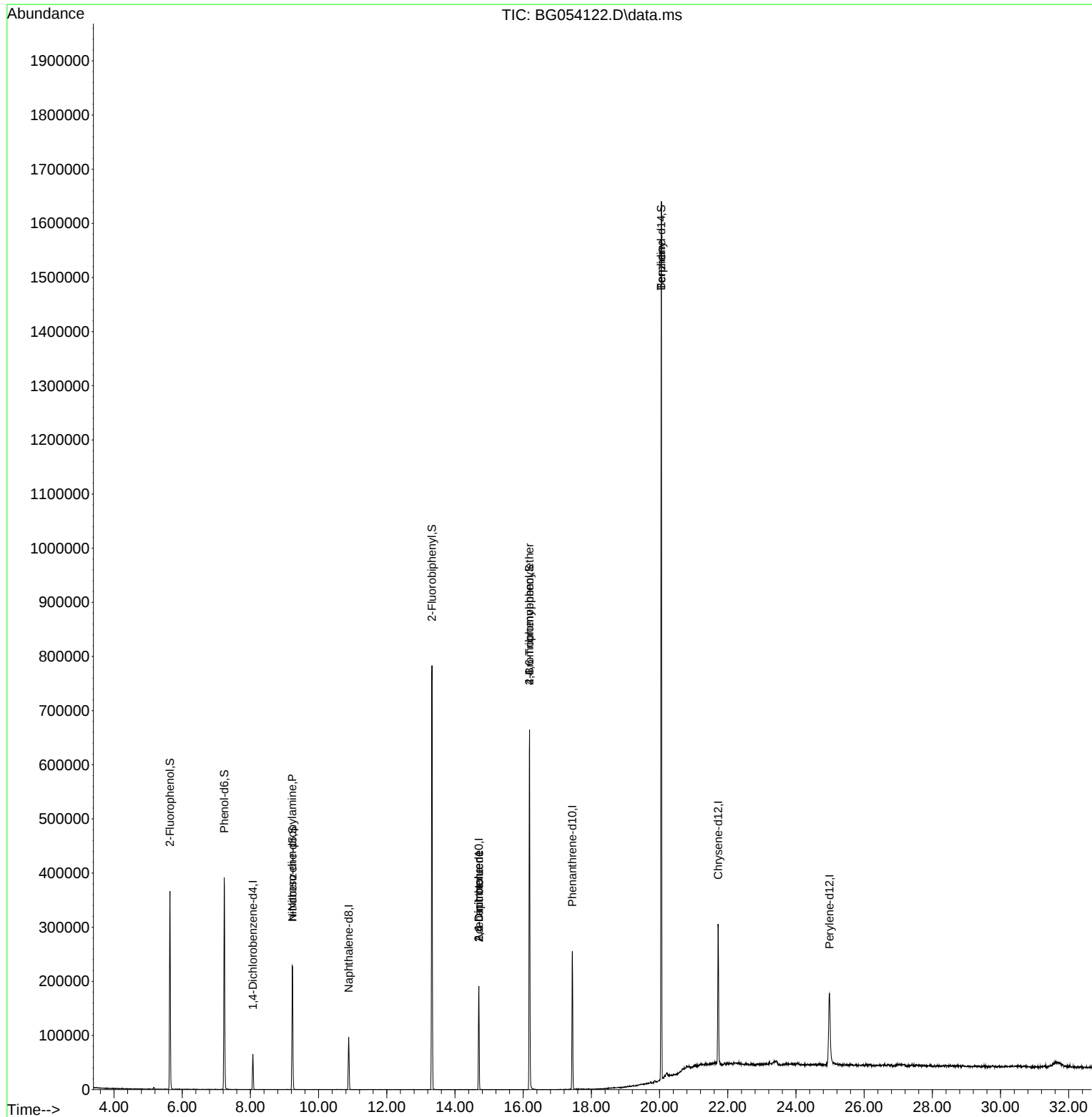
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.071  | 152  | 19705    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.880 | 136  | 90260    | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.699 | 164  | 73797    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.442 | 188  | 186322   | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.714 | 240  | 179605   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 24.981 | 264  | 179992   | 20.000  | ng    | 0.02     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.639  | 112  | 167398   | 162.421 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.231  | 99   | 236152   | 168.904 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.234  | 82   | 150250   | 93.546  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.185 | 330  | 161848   | 136.502 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.324 | 172  | 460459   | 90.731  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.051 | 244  | 908957   | 101.930 | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
| 19) n-Nitroso-di-n-propyla... | 9.229  | 70   | 20436    | 21.756  | ng    | # 85     |
| 51) 2,6-Dinitrotoluene        | 14.699 | 165  | 9513     | 8.378   | ng    | # 16     |
| 57) 2,4-Dinitrotoluene        | 14.699 | 165  | 9513     | 5.932   | ng    | # 21     |
| 67) 4-Bromophenyl-phenylether | 16.185 | 248  | 10333    | 4.440   | ng    | # 1      |
| 77) Benzidine                 | 20.051 | 184  | 12577    | 3.381   | ng    | # 94     |
| -----                         |        |      |          |         |       |          |

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

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Sample : PB145840TB  
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ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :

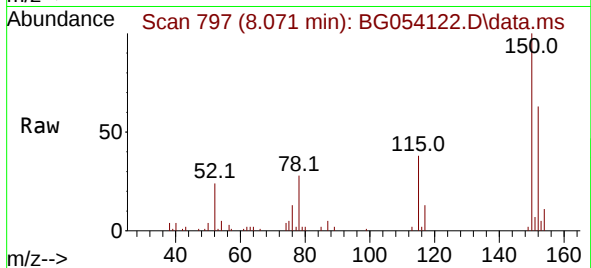
Quant Time: Jun 29 00:49:56 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG061322.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jun 27 00:27:54 2022  
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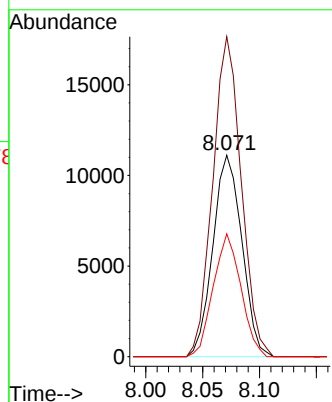
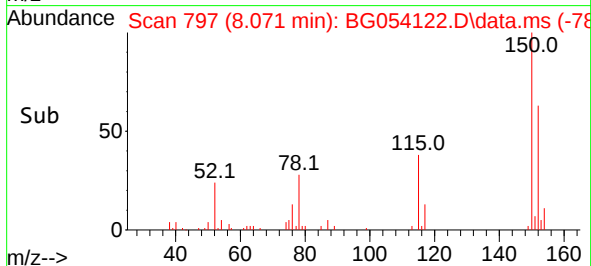


#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.071 min Scan# 79  
Delta R.T. 0.001 min  
Lab File: BG054122.D  
Acq: 28 Jun 2022 18:09

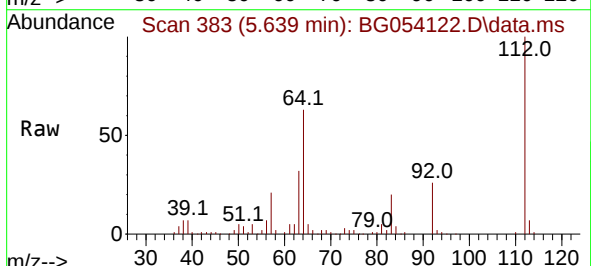
Instrument :  
BNA\_G  
ClientSampleId :



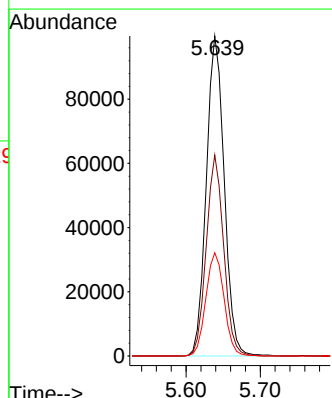
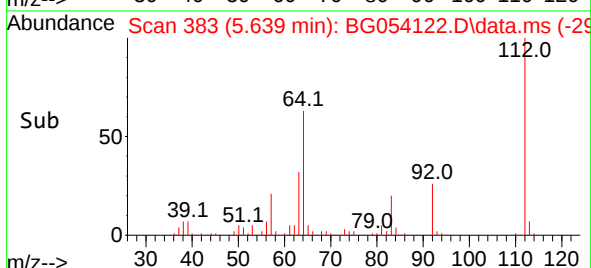
Tgt Ion:152 Resp: 19705  
Ion Ratio Lower Upper  
152 100  
150 158.9 131.6 197.4  
115 61.0 50.9 76.3



#5  
2-Fluorophenol  
Concen: 162.421 ng  
RT: 5.639 min Scan# 383  
Delta R.T. 0.001 min  
Lab File: BG054122.D  
Acq: 28 Jun 2022 18:09



Tgt Ion:112 Resp: 167398  
Ion Ratio Lower Upper  
112 100  
64 62.8 55.1 82.7  
63 32.2 30.4 45.6

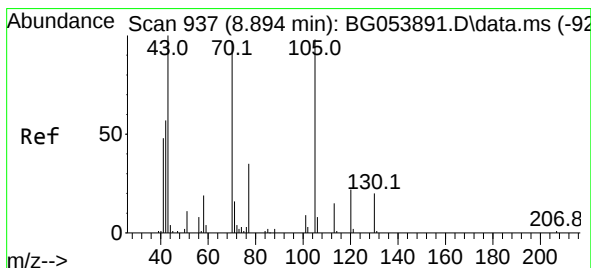
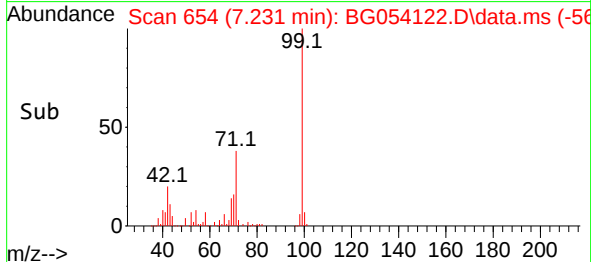
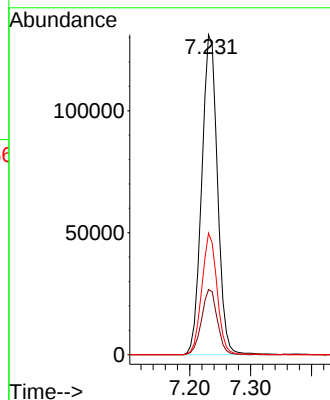
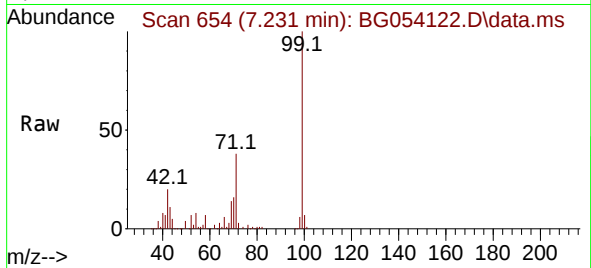




#7  
Phenol-d6  
Concen: 168.904 ng  
RT: 7.231 min Scan# 61  
Delta R.T. 0.001 min  
Lab File: BG054122.D  
Acq: 28 Jun 2022 18:09

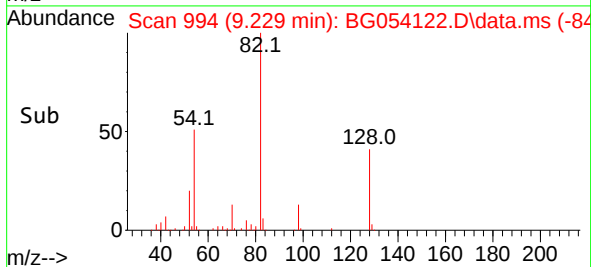
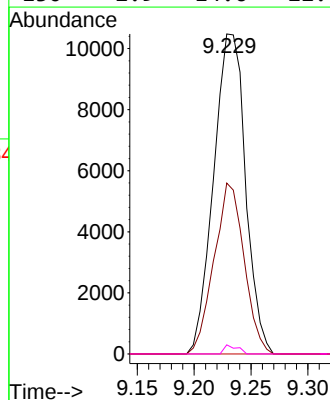
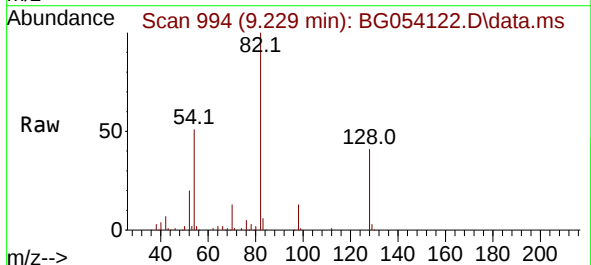
Instrument :  
BNA\_G  
ClientSampleId :

Tgt Ion: 99 Resp: 236152  
Ion Ratio Lower Upper  
99 100  
42 20.3 17.0 25.6  
71 38.0 33.8 50.8



#19  
n-Nitroso-di-n-propylamine  
Concen: 21.756 ng  
RT: 9.229 min Scan# 994  
Delta R.T. 0.353 min  
Lab File: BG054122.D  
Acq: 28 Jun 2022 18:09

Tgt Ion: 70 Resp: 20436  
Ion Ratio Lower Upper  
70 100  
42 53.4 47.3 70.9  
101 0.0 7.0 10.4#  
130 2.9 14.6 22.0#

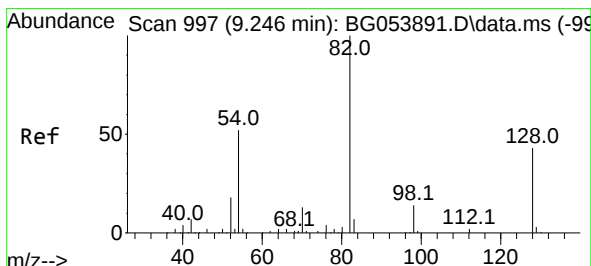
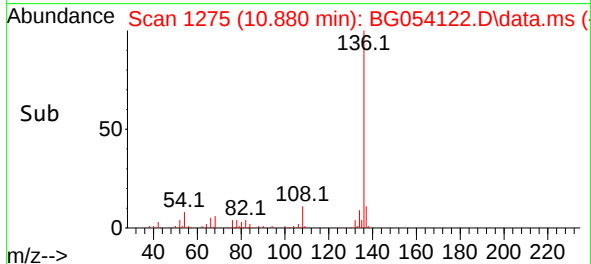
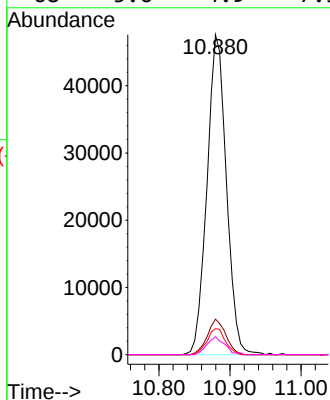
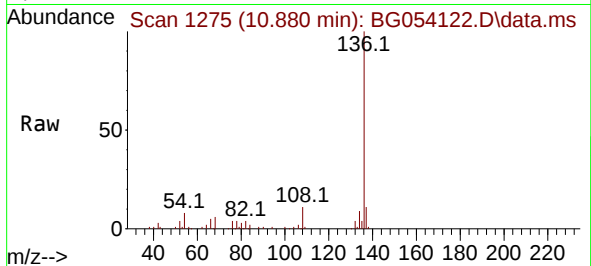




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.880 min Scan# 11  
Delta R.T. 0.001 min  
Lab File: BG054122.D  
Acq: 28 Jun 2022 18:09

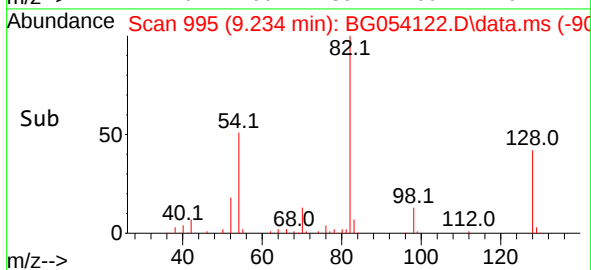
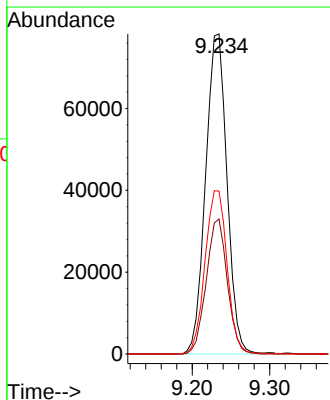
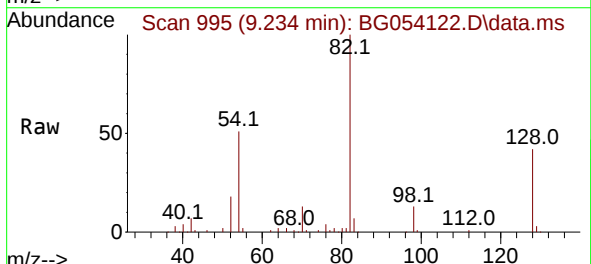
Instrument :  
BNA\_G  
ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 90260 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 11.1  | 8.5   | 12.7  |
| 54       | 8.1   | 7.4   | 11.2  |
| 68       | 5.6   | 4.9   | 7.3   |



#23  
Nitrobenzene-d5  
Concen: 93.546 ng  
RT: 9.234 min Scan# 995  
Delta R.T. 0.001 min  
Lab File: BG054122.D  
Acq: 28 Jun 2022 18:09

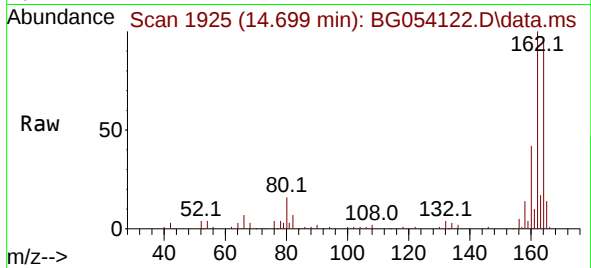
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 150250 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 42.2  | 27.9  | 41.9#  |
| 54       | 50.9  | 41.2  | 61.8   |



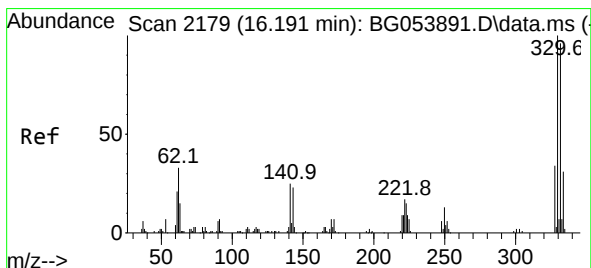
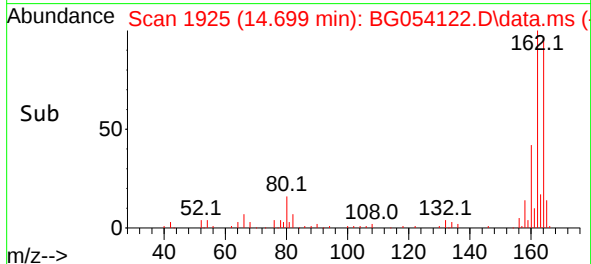
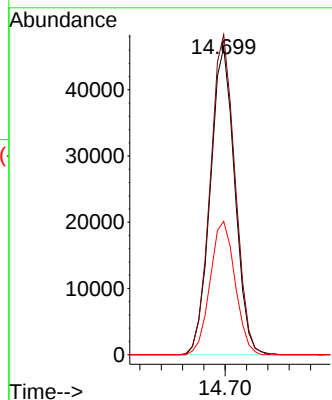


#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.699 min Scan# 1925  
 Delta R.T. 0.001 min  
 Lab File: BG054122.D  
 Acq: 28 Jun 2022 18:09

Instrument :  
 BNA\_G  
 ClientSampleId :

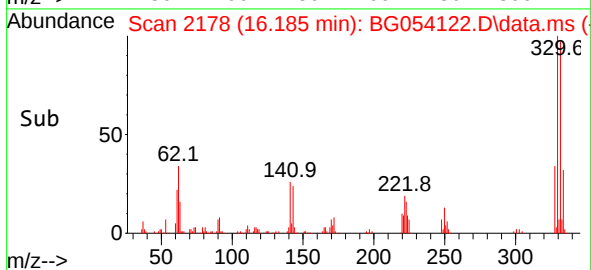
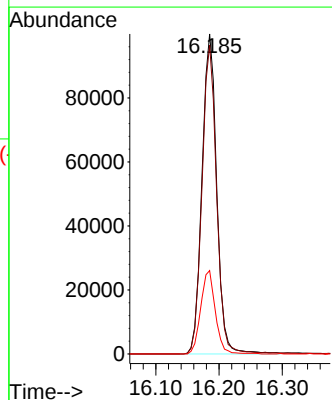
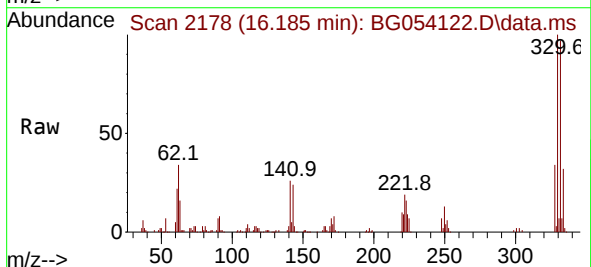


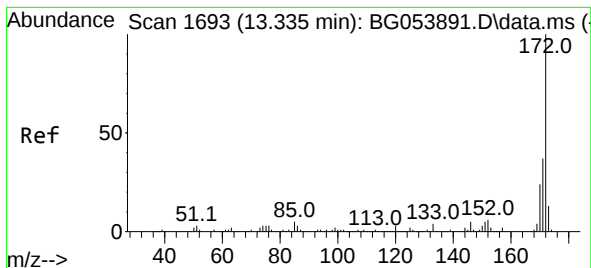
Tgt Ion:164 Resp: 73797  
 Ion Ratio Lower Upper  
 164 100  
 162 104.2 82.3 123.5  
 160 43.4 34.2 51.2



#42  
 2,4,6-Tribromophenol  
 Concen: 136.502 ng  
 RT: 16.185 min Scan# 2178  
 Delta R.T. 0.001 min  
 Lab File: BG054122.D  
 Acq: 28 Jun 2022 18:09

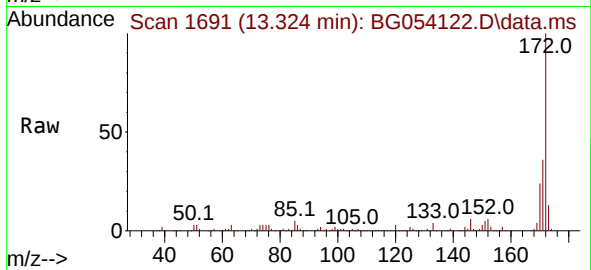
Tgt Ion:330 Resp: 161848  
 Ion Ratio Lower Upper  
 330 100  
 332 96.0 76.0 114.0  
 141 25.7 27.1 40.7#



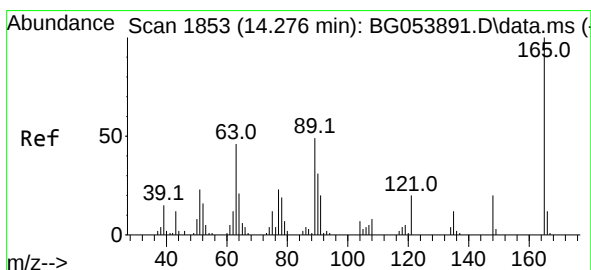
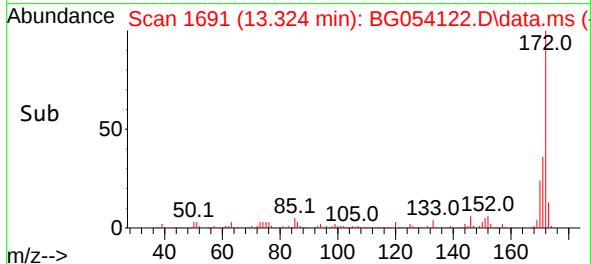
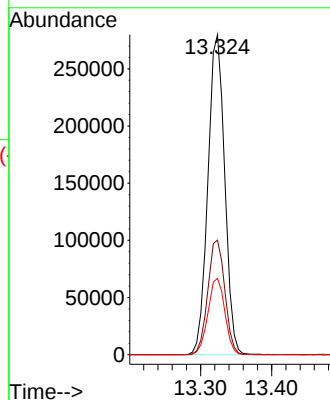


#45  
 2-Fluorobiphenyl  
 Concen: 90.731 ng  
 RT: 13.324 min Scan# 1  
 Delta R.T. 0.001 min  
 Lab File: BG054122.D  
 Acq: 28 Jun 2022 18:09

Instrument :  
 BNA\_G  
 ClientSampleId :

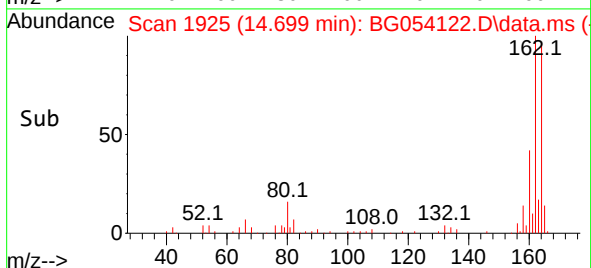
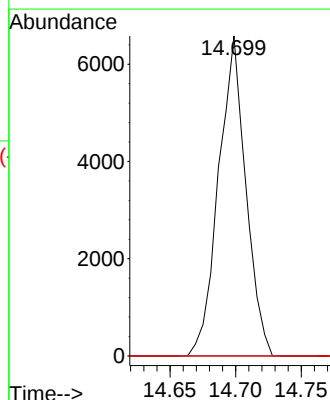
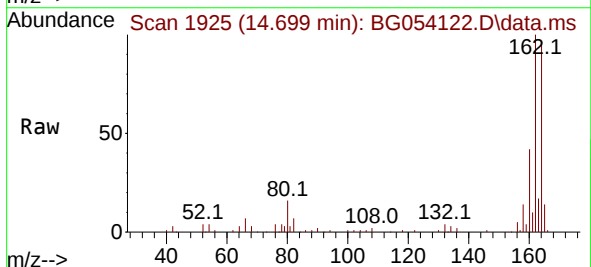


Tgt Ion:172 Resp: 460459  
 Ion Ratio Lower Upper  
 172 100  
 171 35.8 28.5 42.7  
 170 23.8 18.9 28.3



#51  
 2,6-Dinitrotoluene  
 Concen: 8.378 ng  
 RT: 14.699 min Scan# 1925  
 Delta R.T. 0.436 min  
 Lab File: BG054122.D  
 Acq: 28 Jun 2022 18:09

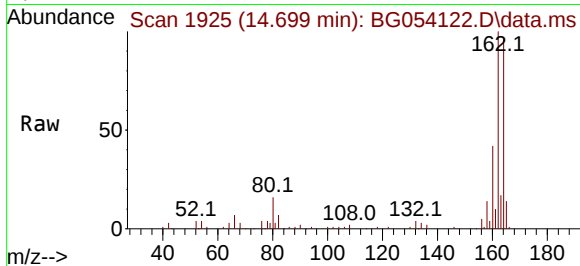
Tgt Ion:165 Resp: 9513  
 Ion Ratio Lower Upper  
 165 100  
 63 0.0 54.1 81.1#  
 89 0.0 54.8 82.2#



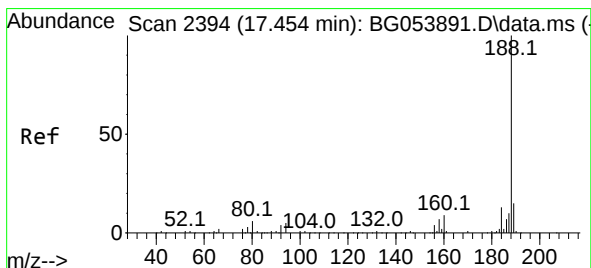
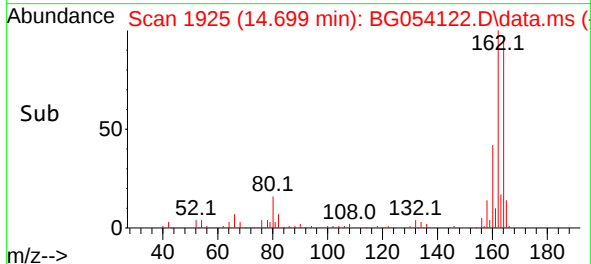
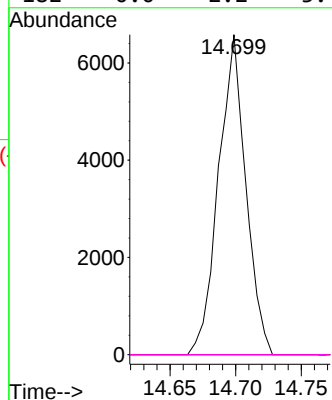


#57  
2,4-Dinitrotoluene  
Concen: 5.932 ng  
RT: 14.699 min Scan# 1987  
Delta R.T. -0.352 min  
Lab File: BG054122.D  
Acq: 28 Jun 2022 18:09

Instrument :  
BNA\_G  
ClientSampleId :

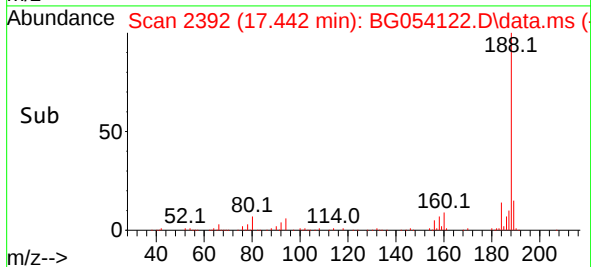
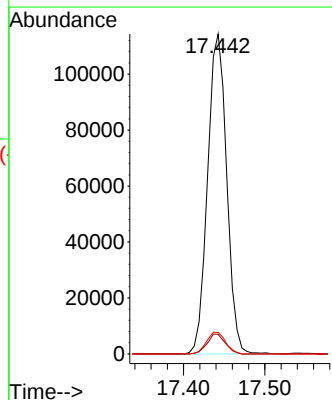
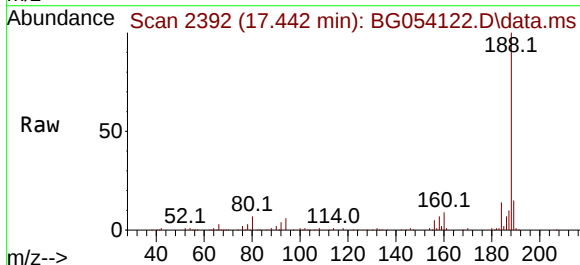


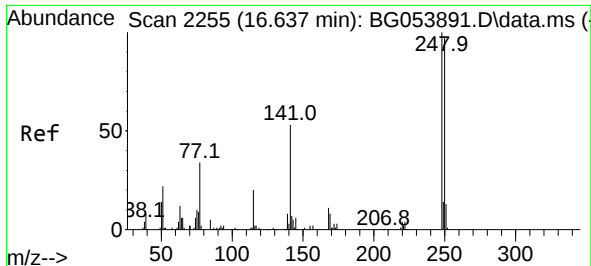
Tgt Ion:165 Resp: 9513  
Ion Ratio Lower Upper  
165 100  
63 0.0 34.6 52.0#  
89 0.0 60.3 90.5#  
182 0.0 2.2 3.4#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.442 min Scan# 2392  
Delta R.T. 0.001 min  
Lab File: BG054122.D  
Acq: 28 Jun 2022 18:09

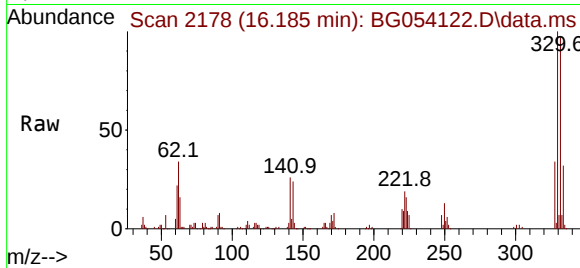
Tgt Ion:188 Resp: 186322  
Ion Ratio Lower Upper  
188 100  
94 6.2 5.4 8.0  
80 6.7 6.8 10.2#



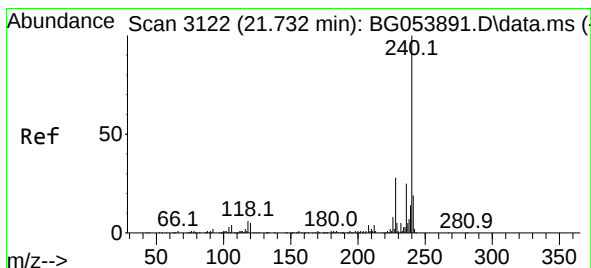
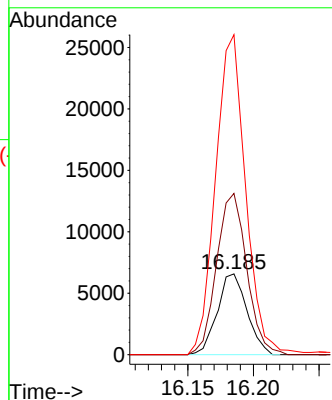
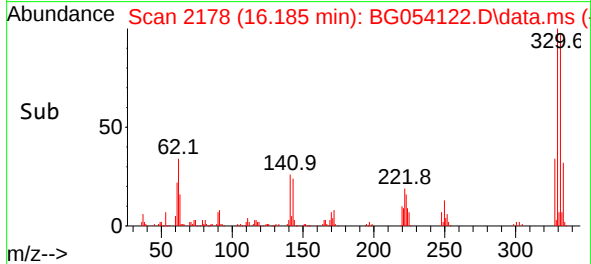


#67  
4-Bromophenyl-phenylether  
Concen: 4.440 ng  
RT: 16.185 min Scan# 2119  
Delta R.T. -0.440 min  
Lab File: BG054122.D  
Acq: 28 Jun 2022 18:09

Instrument :  
BNA\_G  
ClientSampleId :

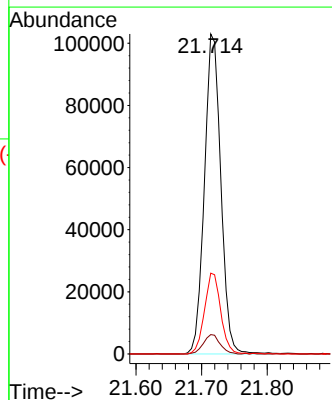
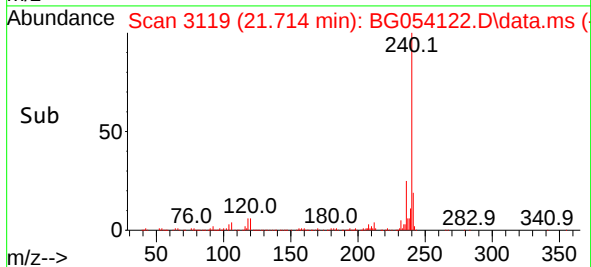
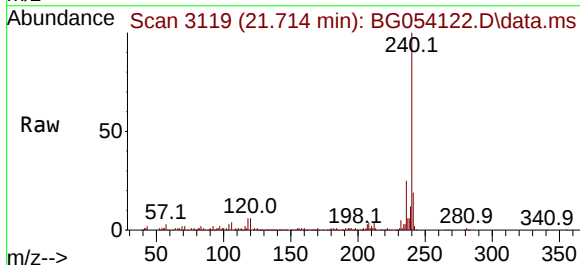


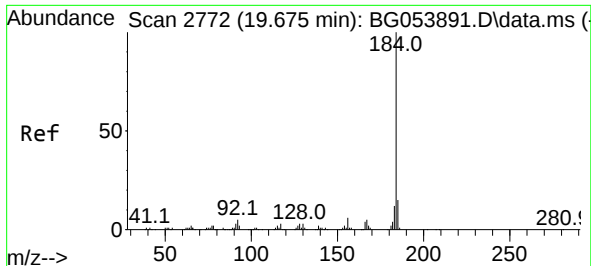
Tgt Ion:248 Resp: 10333  
Ion Ratio Lower Upper  
248 100  
250 253.7 75.2 112.8#  
141 396.0 50.0 75.0#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.714 min Scan# 3119  
Delta R.T. -0.005 min  
Lab File: BG054122.D  
Acq: 28 Jun 2022 18:09

Tgt Ion:240 Resp: 179605  
Ion Ratio Lower Upper  
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120 6.0 4.6 7.0  
236 25.3 20.2 30.4

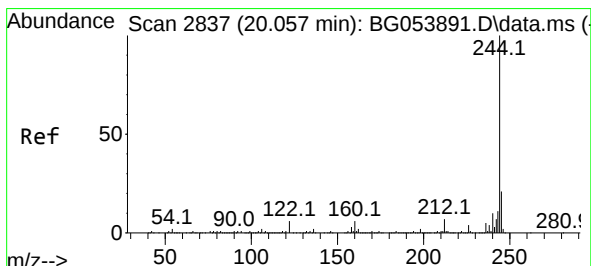
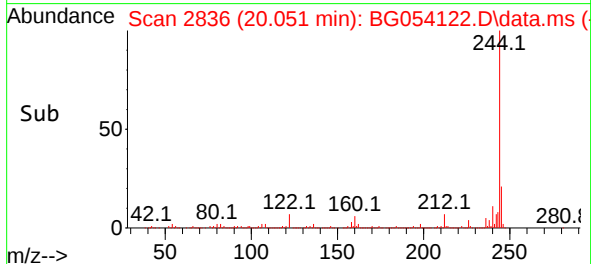
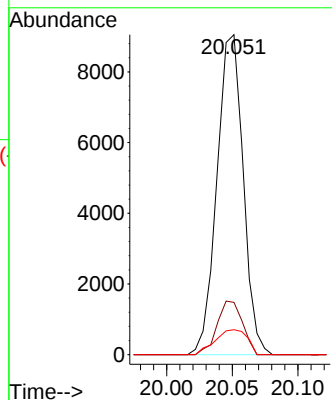
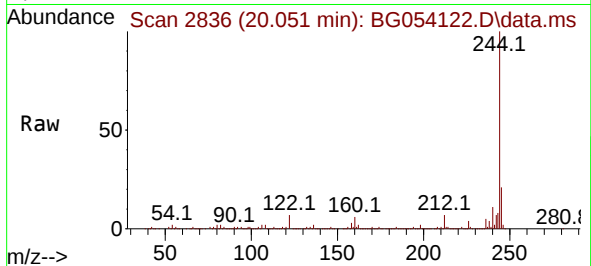




#77  
Benzidine  
Concen: 3.381 ng  
RT: 20.051 min Scan# 2836  
Delta R.T. 0.389 min  
Lab File: BG054122.D  
Acq: 28 Jun 2022 18:09

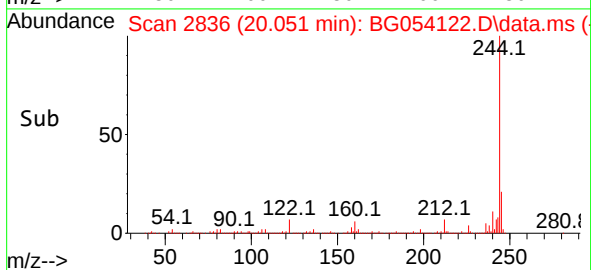
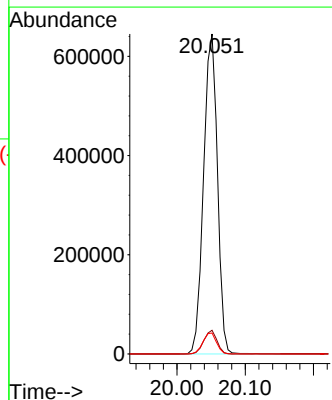
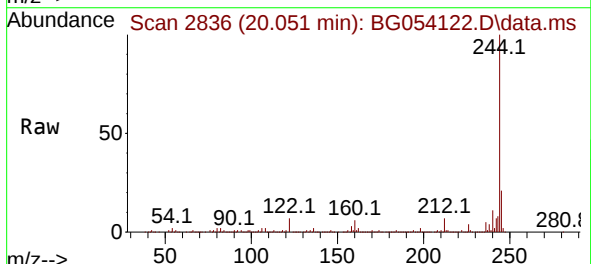
Instrument :  
BNA\_G  
ClientSampleId :

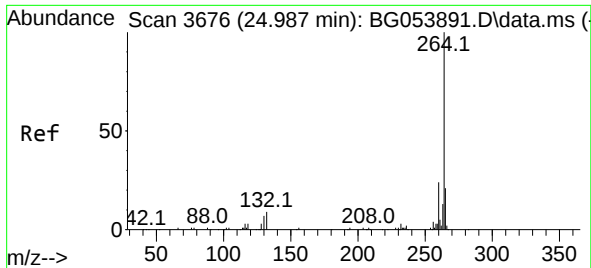
Tgt Ion:184 Resp: 12577  
Ion Ratio Lower Upper  
184 100  
185 16.3 11.8 17.6  
183 7.8 8.9 13.3#



#79  
Terphenyl-d14  
Concen: 101.930 ng  
RT: 20.051 min Scan# 2836  
Delta R.T. 0.007 min  
Lab File: BG054122.D  
Acq: 28 Jun 2022 18:09

Tgt Ion:244 Resp: 908957  
Ion Ratio Lower Upper  
244 100  
212 7.4 6.5 9.7  
122 6.6 5.0 7.4





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 24.981 min Scan# 30  
Delta R.T. 0.018 min  
Lab File: BG054122.D  
Acq: 28 Jun 2022 18:09

Instrument :  
BNA\_G  
ClientSampleId :

Tgt Ion:264 Resp: 179992  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 25.5  | 19.0  | 28.6  |
| 265 | 21.6  | 17.4  | 26.2  |

