

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG062822\  
 Data File : BG054119.D  
 Acq On : 28 Jun 2022 15:21  
 Operator : CG/JU  
 Sample : N3494-12RE  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Jun 29 00:49:32 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

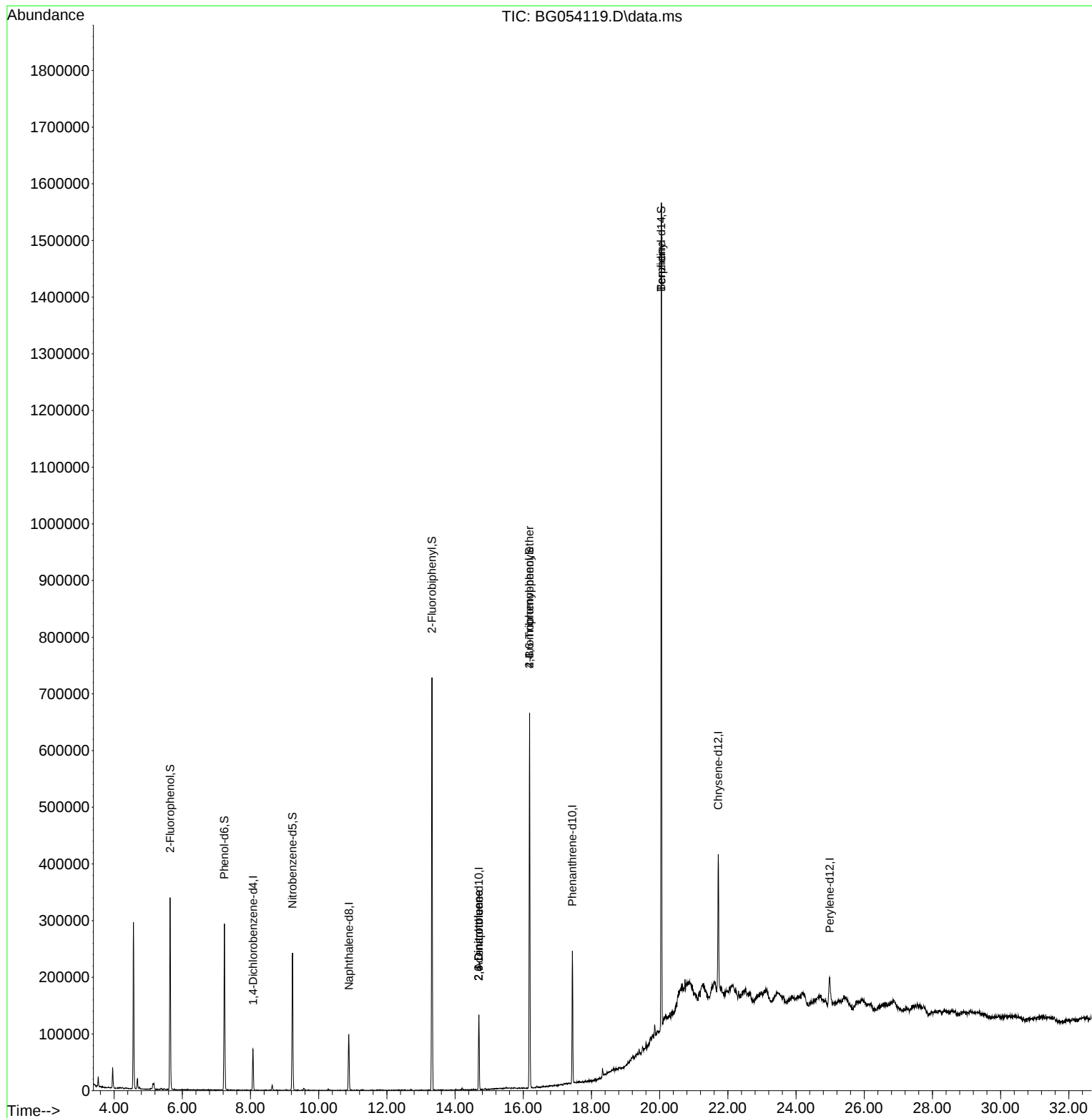
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.077  | 152  | 22500    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.885 | 136  | 90639    | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.698 | 164  | 44316    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.442 | 188  | 156505   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.719 | 240  | 148508   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 24.986 | 264  | 43771    | 20.000  | ng    | # 0.02   |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.644  | 112  | 155995   | 132.555 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.236  | 99   | 160043   | 100.249 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.234  | 82   | 149155   | 92.476  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.185 | 330  | 152178   | 213.729 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.323 | 172  | 417710   | 137.062 | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.051 | 244  | 786107   | 106.613 | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 51) 2,6-Dinitrotoluene        | 14.692 | 165  | 5678     | 8.327   | ng    | # 16     |
| 57) 2,4-Dinitrotoluene        | 14.692 | 165  | 5678     | 5.896   | ng    | # 21     |
| 67) 4-Bromophenyl-phenylether | 16.185 | 248  | 9814     | 5.021   | ng    | # 1      |
| 77) Benzidine                 | 20.051 | 184  | 12103    | 3.935   | ng    | # 95     |
| -----                         |        |      |          |         |       |          |

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

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ALS Vial : 7 Sample Multiplier: 1

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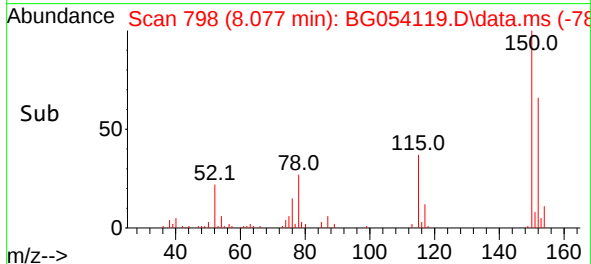
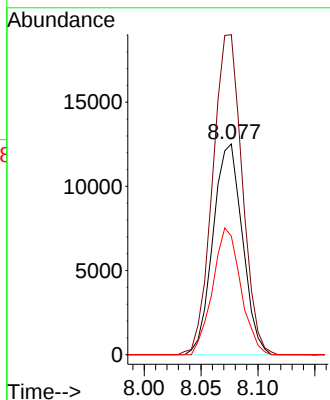
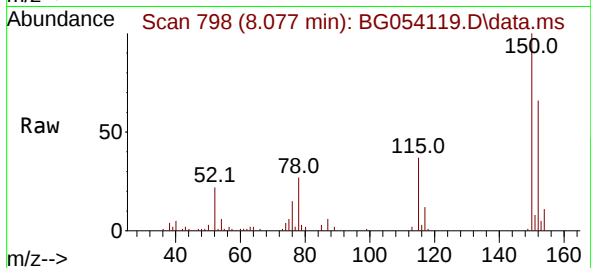




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.077 min Scan# 79  
Delta R.T. 0.007 min  
Lab File: BG054119.D  
Acq: 28 Jun 2022 15:21

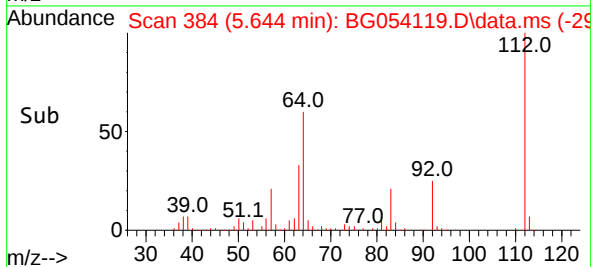
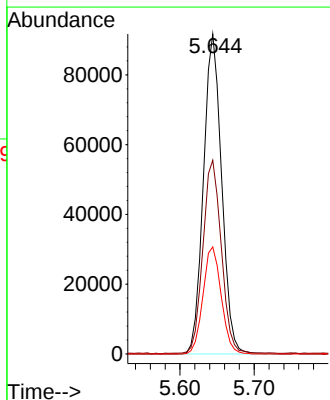
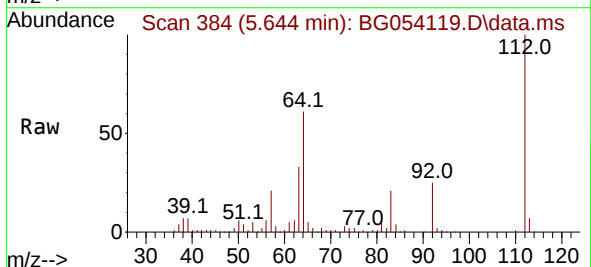
Instrument :  
BNA\_G  
ClientSampleId :

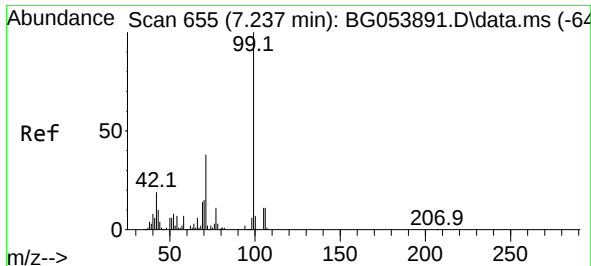
Tgt Ion:152 Resp: 22500  
Ion Ratio Lower Upper  
152 100  
150 151.9 131.6 197.4  
115 56.3 50.9 76.3



#5  
2-Fluorophenol  
Concen: 132.555 ng  
RT: 5.644 min Scan# 384  
Delta R.T. 0.006 min  
Lab File: BG054119.D  
Acq: 28 Jun 2022 15:21

Tgt Ion:112 Resp: 155995  
Ion Ratio Lower Upper  
112 100  
64 60.6 55.1 82.7  
63 33.4 30.4 45.6

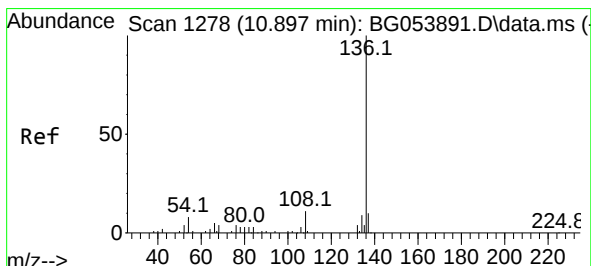
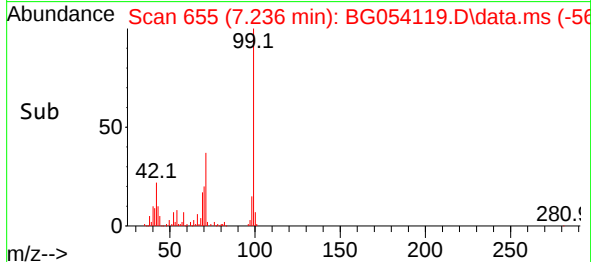
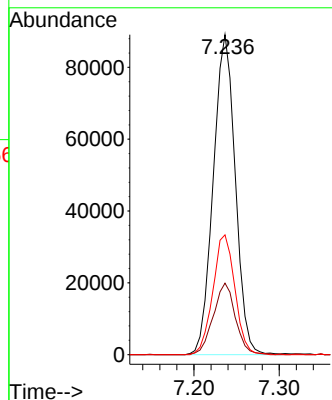
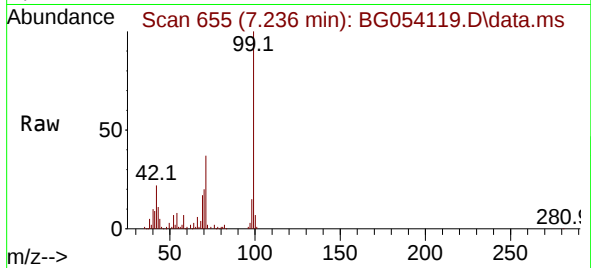




#7  
Phenol-d6  
Concen: 100.249 ng  
RT: 7.236 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: BG054119.D  
Acq: 28 Jun 2022 15:21

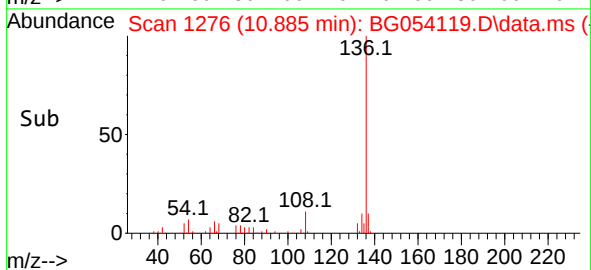
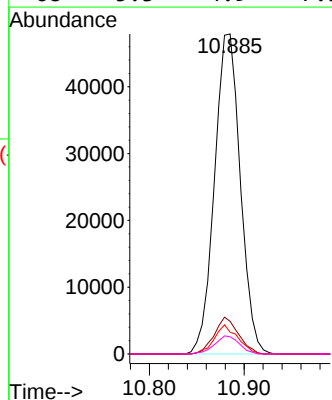
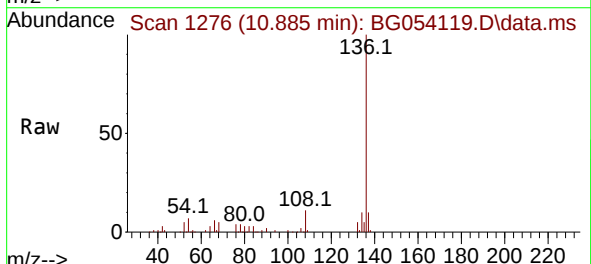
Instrument :  
BNA\_G  
ClientSampleId :

Tgt Ion: 99 Resp: 160043  
Ion Ratio Lower Upper  
99 100  
42 22.3 17.0 25.6  
71 37.4 33.8 50.8



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.885 min Scan# 1276  
Delta R.T. 0.006 min  
Lab File: BG054119.D  
Acq: 28 Jun 2022 15:21

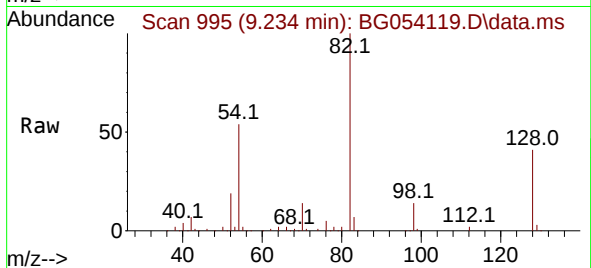
Tgt Ion: 136 Resp: 90639  
Ion Ratio Lower Upper  
136 100  
137 10.2 8.5 12.7  
54 6.8 7.4 11.2#  
68 5.3 4.9 7.3



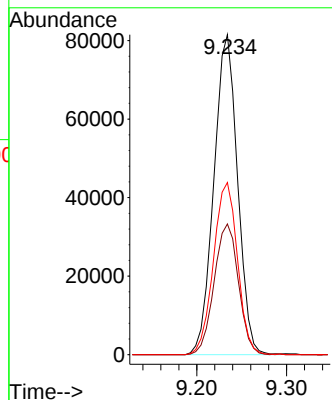
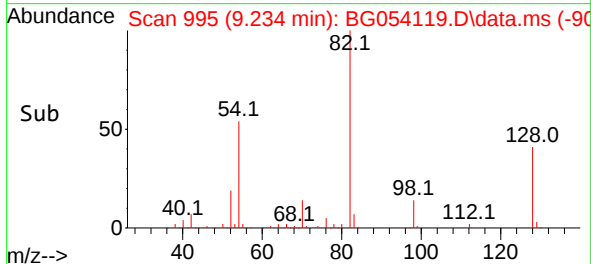


#23  
Nitrobenzene-d5  
Concen: 92.476 ng  
RT: 9.234 min Scan# 995  
Delta R.T. 0.000 min  
Lab File: BG054119.D  
Acq: 28 Jun 2022 15:21

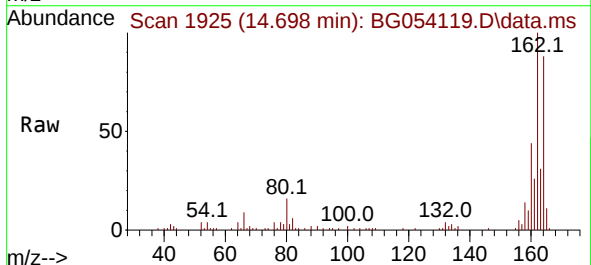
Instrument :  
BNA\_G  
ClientSampleId :



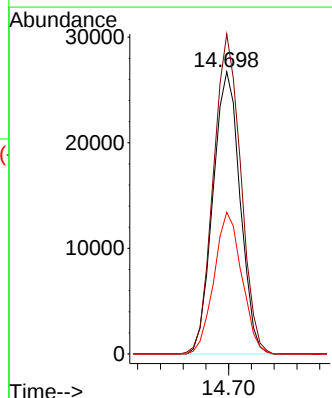
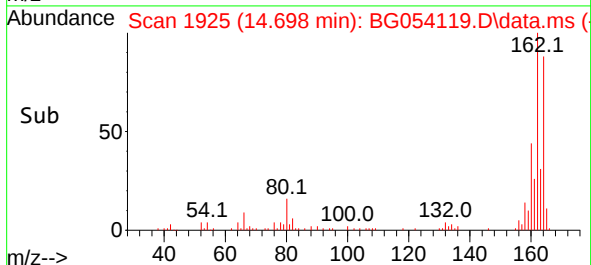
Tgt Ion: 82 Resp: 149155  
Ion Ratio Lower Upper  
82 100  
128 40.9 27.9 41.9  
54 53.8 41.2 61.8

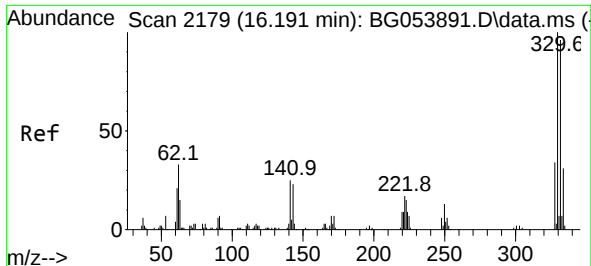


#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.698 min Scan# 1925  
Delta R.T. 0.000 min  
Lab File: BG054119.D  
Acq: 28 Jun 2022 15:21



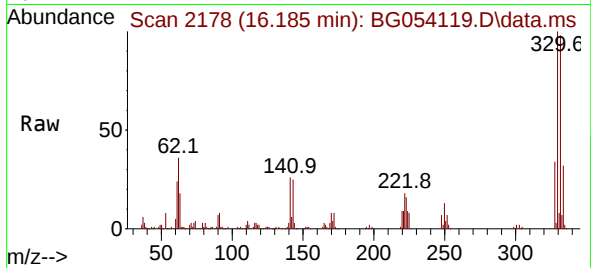
Tgt Ion: 164 Resp: 44316  
Ion Ratio Lower Upper  
164 100  
162 113.4 82.3 123.5  
160 50.3 34.2 51.2



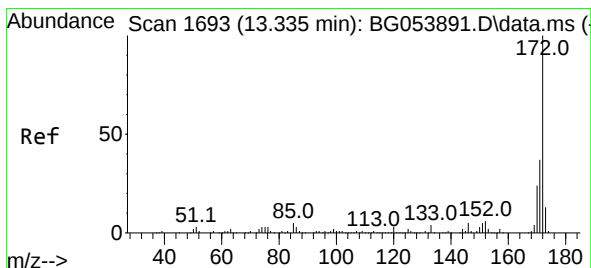
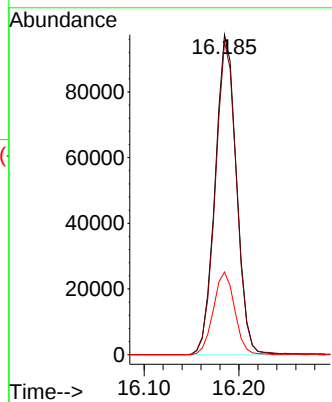
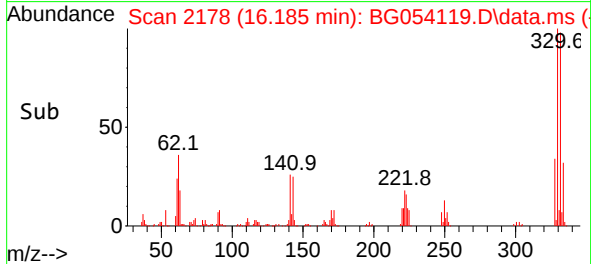


#42  
 2,4,6-Tribromophenol  
 Concen: 213.729 ng  
 RT: 16.185 min Scan# 2178  
 Delta R.T. 0.000 min  
 Lab File: BG054119.D  
 Acq: 28 Jun 2022 15:21

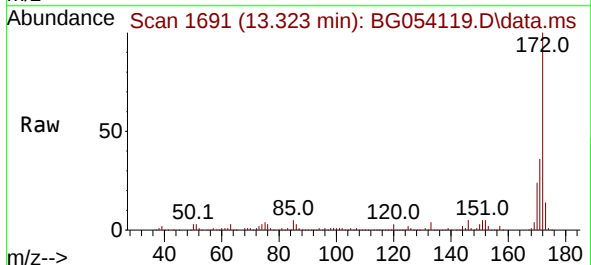
Instrument :  
 BNA\_G  
 ClientSampleId :



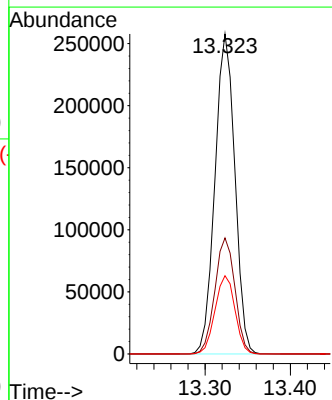
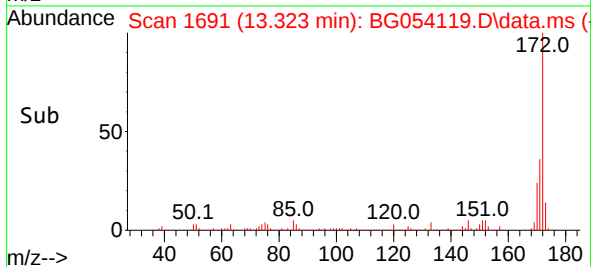
Tgt Ion:330 Resp: 152178  
 Ion Ratio Lower Upper  
 330 100  
 332 97.5 76.0 114.0  
 141 25.7 27.1 40.7#

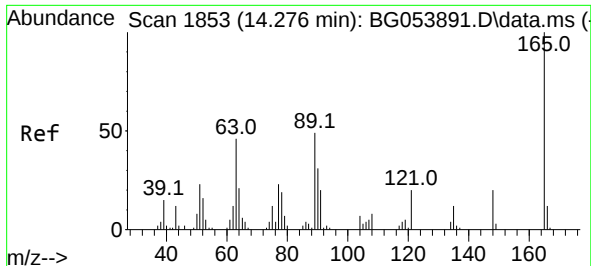


#45  
 2-Fluorobiphenyl  
 Concen: 137.062 ng  
 RT: 13.323 min Scan# 1691  
 Delta R.T. 0.000 min  
 Lab File: BG054119.D  
 Acq: 28 Jun 2022 15:21



Tgt Ion:172 Resp: 417710  
 Ion Ratio Lower Upper  
 172 100  
 171 36.3 28.5 42.7  
 170 24.4 18.9 28.3

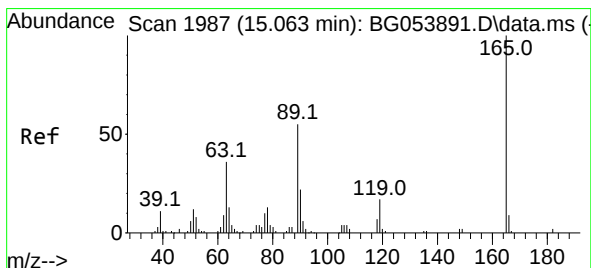
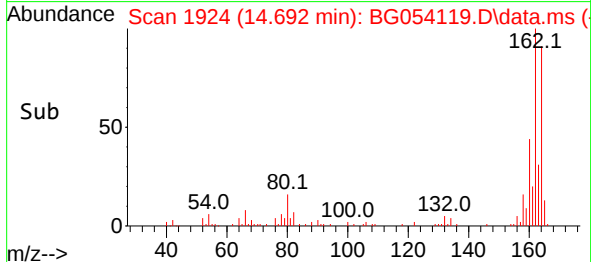
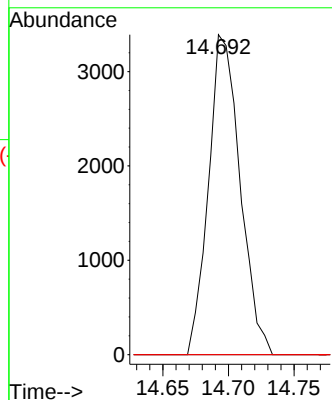
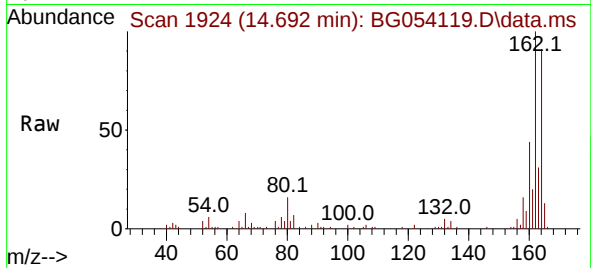




#51  
2,6-Dinitrotoluene  
Concen: 8.327 ng  
RT: 14.692 min Scan# 1924  
Delta R.T. 0.429 min  
Lab File: BG054119.D  
Acq: 28 Jun 2022 15:21

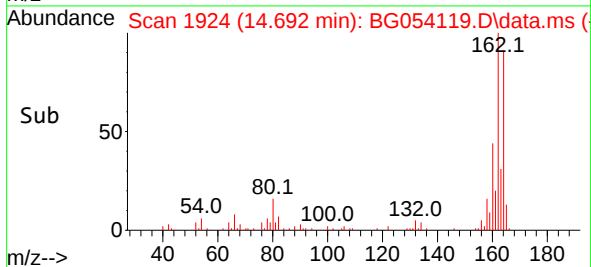
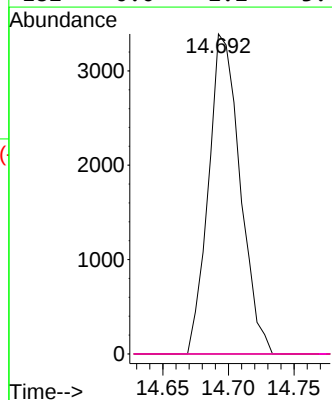
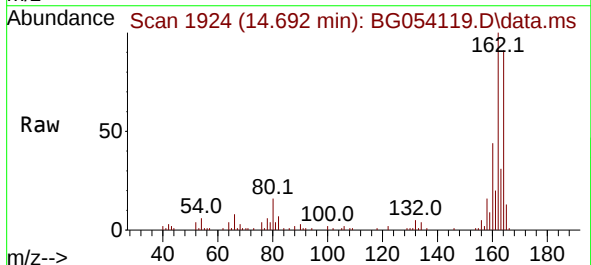
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BNA\_G  
ClientSampleId :

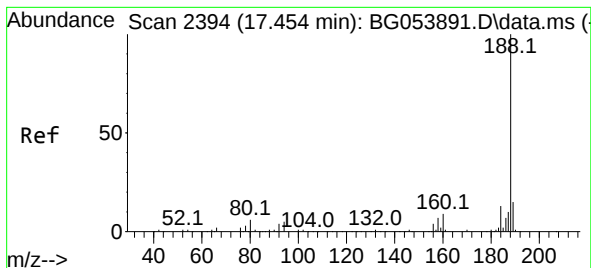
Tgt Ion:165 Resp: 5678  
Ion Ratio Lower Upper  
165 100  
63 0.0 54.1 81.1#  
89 0.0 54.8 82.2#



#57  
2,4-Dinitrotoluene  
Concen: 5.896 ng  
RT: 14.692 min Scan# 1924  
Delta R.T. -0.358 min  
Lab File: BG054119.D  
Acq: 28 Jun 2022 15:21

Tgt Ion:165 Resp: 5678  
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# 21

Delta R.T. 0.000 min

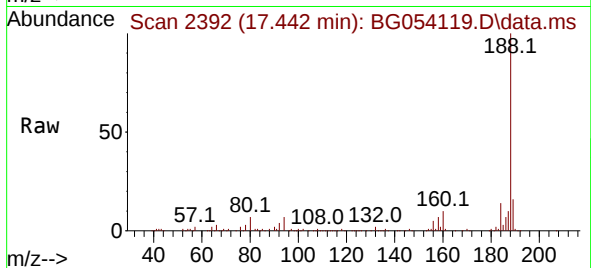
Lab File: BG054119.D

Acq: 28 Jun 2022 15:21

Instrument :

BNA\_G

ClientSampleId :



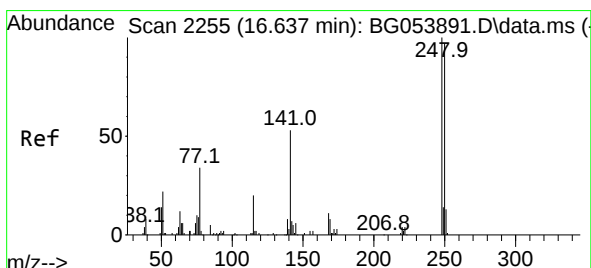
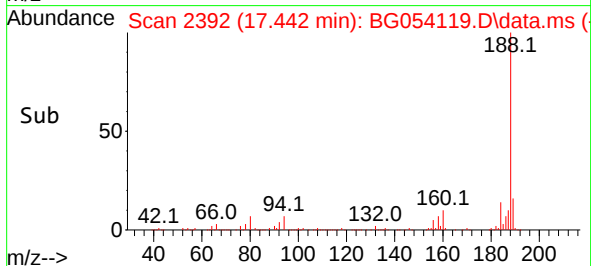
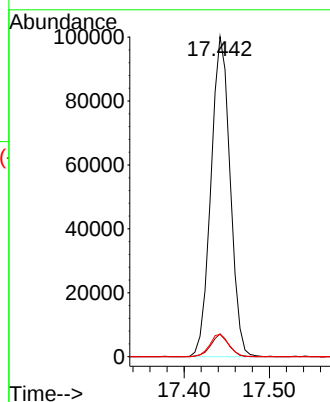
Tgt Ion:188 Resp: 156505

Ion Ratio Lower Upper

188 100

94 7.1 5.4 8.0

80 6.9 6.8 10.2



#67

4-Bromophenyl-phenylether

Concen: 5.021 ng

RT: 16.185 min Scan# 2178

Delta R.T. -0.440 min

Lab File: BG054119.D

Acq: 28 Jun 2022 15:21

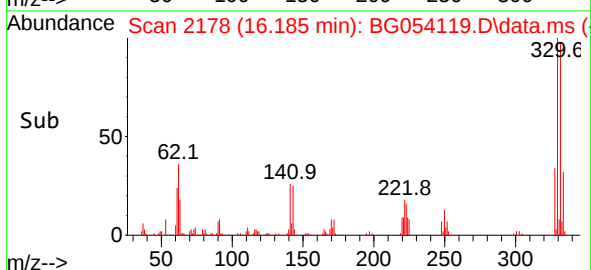
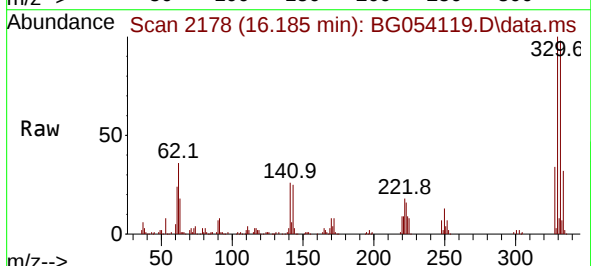
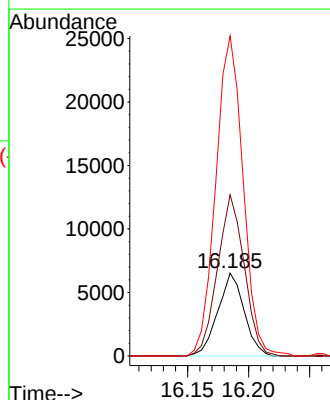
Tgt Ion:248 Resp: 9814

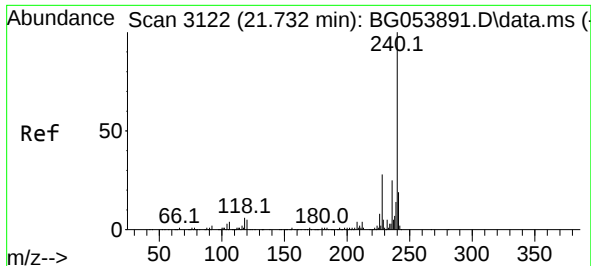
Ion Ratio Lower Upper

248 100

250 250.5 75.2 112.8#

141 386.3 50.0 75.0#

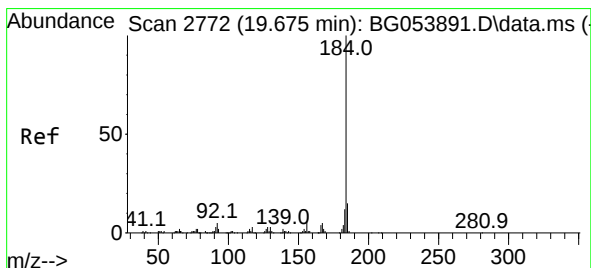
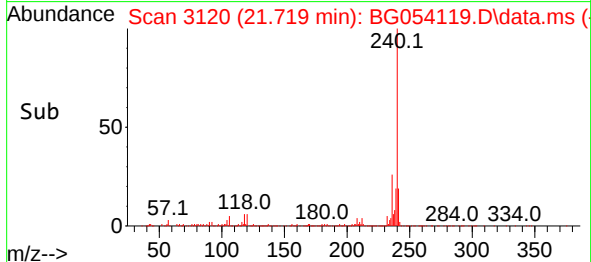
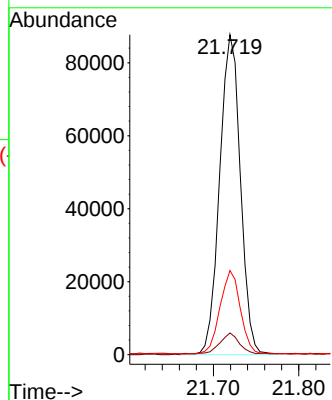
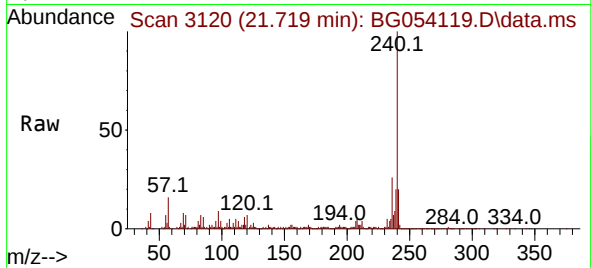




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.719 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: BG054119.D  
Acq: 28 Jun 2022 15:21

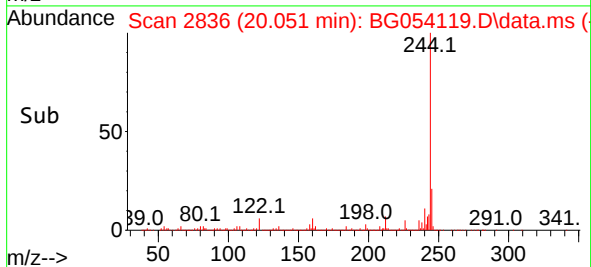
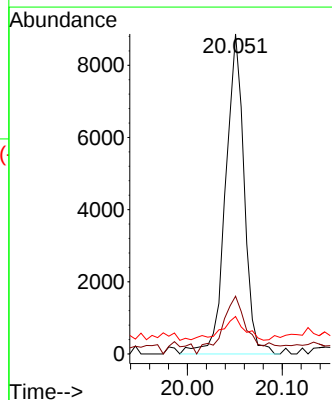
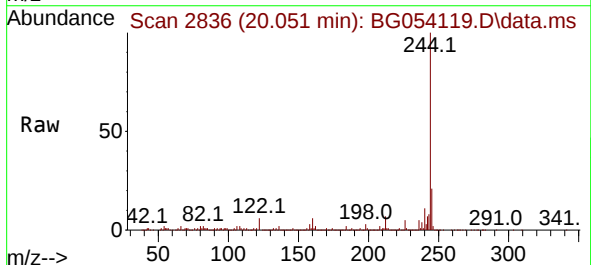
Instrument :  
BNA\_G  
ClientSampleId :

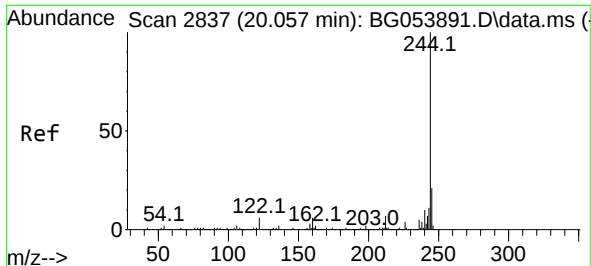
Tgt Ion:240 Resp: 148508  
Ion Ratio Lower Upper  
240 100  
120 6.8 4.6 7.0  
236 26.3 20.2 30.4



#77  
Benzidine  
Concen: 3.935 ng  
RT: 20.051 min Scan# 2836  
Delta R.T. 0.388 min  
Lab File: BG054119.D  
Acq: 28 Jun 2022 15:21

Tgt Ion:184 Resp: 12103  
Ion Ratio Lower Upper  
184 100  
185 18.1 11.8 17.6#  
183 11.7 8.9 13.3

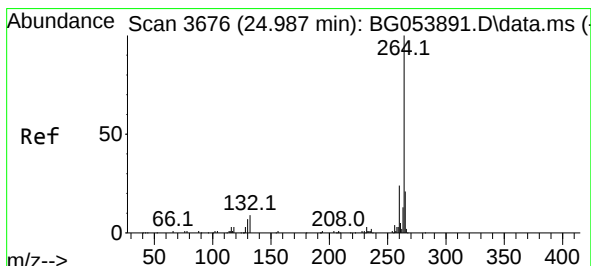
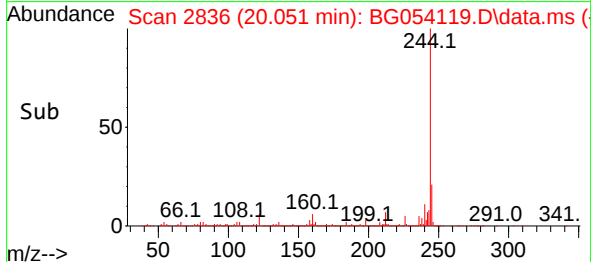
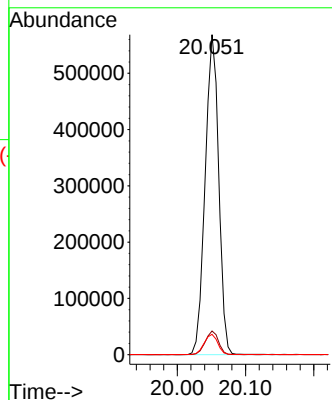
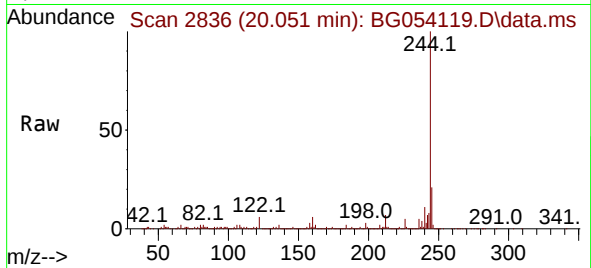




#79  
 Terphenyl-d14  
 Concen: 106.613 ng  
 RT: 20.051 min Scan# 21  
 Delta R.T. 0.006 min  
 Lab File: BG054119.D  
 Acq: 28 Jun 2022 15:21

Instrument :  
 BNA\_G  
 ClientSampleId :

Tgt Ion:244 Resp: 786107  
 Ion Ratio Lower Upper  
 244 100  
 212 7.4 6.5 9.7  
 122 6.4 5.0 7.4



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.986 min Scan# 3676  
 Delta R.T. 0.024 min  
 Lab File: BG054119.D  
 Acq: 28 Jun 2022 15:21

Tgt Ion:264 Resp: 43771  
 Ion Ratio Lower Upper  
 264 100  
 260 29.4 19.0 28.6#  
 265 20.5 17.4 26.2

