

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG070522\  
 Data File : BG054209.D  
 Acq On : 5 Jul 2022 15:28  
 Operator : CG/JU  
 Sample : N3570-03  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SP-303-20220630

Quant Time: Jul 06 01:43:22 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

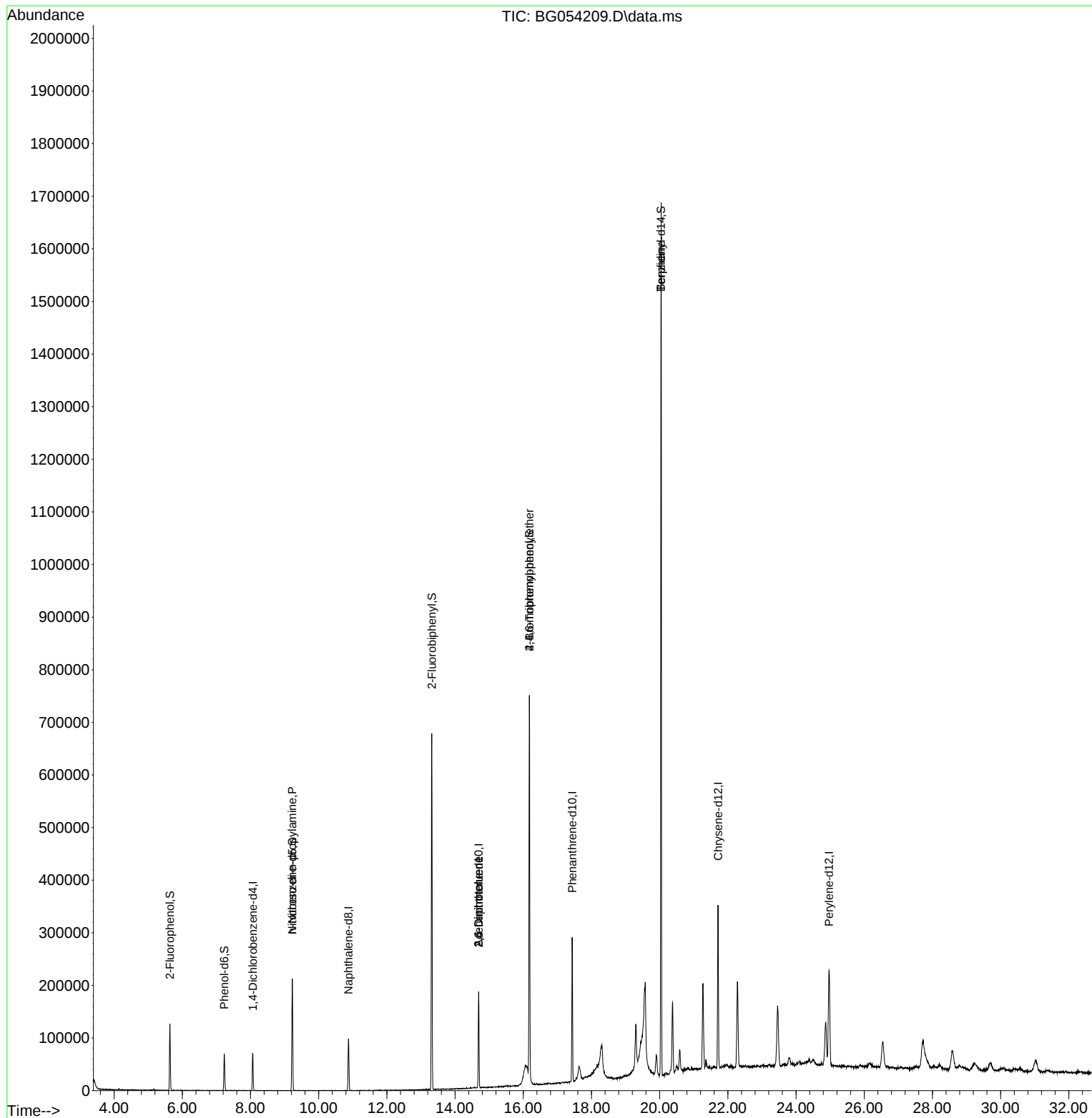
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.071  | 152  | 22143    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.873 | 136  | 88825    | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.692 | 164  | 69981    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.436 | 188  | 189976   | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.714 | 240  | 215705   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 24.969 | 264  | 220545   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.638  | 112  | 59363    | 51.256  | ng    | 0.00     |
| 7) Phenol-d6                  | 7.231  | 99   | 43807    | 27.882  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.228  | 82   | 136705   | 86.488  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.179 | 330  | 183257   | 162.987 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.318 | 172  | 391928   | 81.439  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.045 | 244  | 908946   | 84.870  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 9.228  | 70   | 18800    | 17.811  | ng    | # 80     |
| 51) 2,6-Dinitrotoluene        | 14.692 | 165  | 9332     | 8.666   | ng    | # 16     |
| 57) 2,4-Dinitrotoluene        | 14.692 | 165  | 9332     | 6.136   | ng    | # 21     |
| 67) 4-Bromophenyl-phenylether | 16.179 | 248  | 11456    | 4.828   | ng    | # 1      |
| 77) Benzidine                 | 20.045 | 184  | 12369    | 2.769   | ng    | # 93     |
| -----                         |        |      |          |         |       |          |

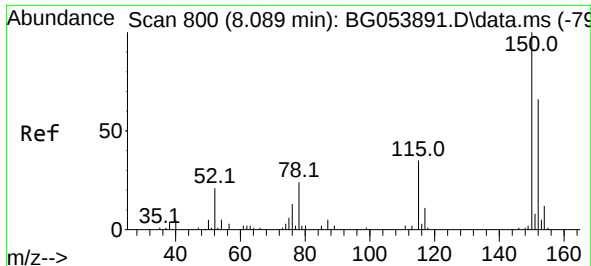
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG070522\  
Data File : BG054209.D  
Acq On : 5 Jul 2022 15:28  
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Sample : N3570-03  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_G  
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SP-303-20220630

Quant Time: Jul 06 01:43:22 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

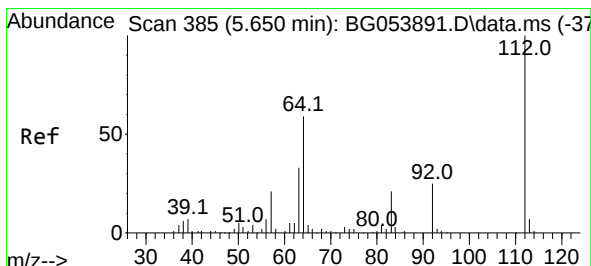
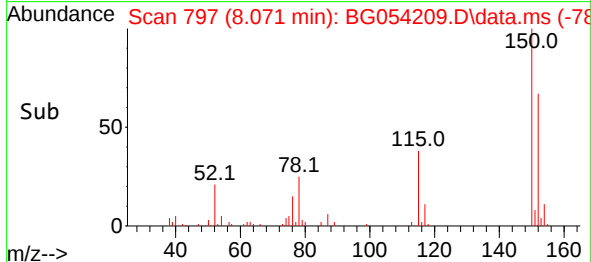
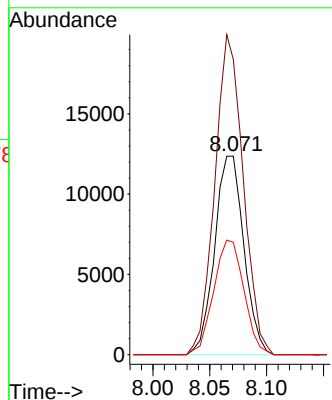
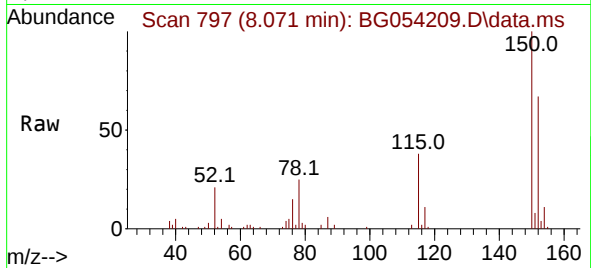




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.071 min Scan# 79  
Delta R.T. 0.001 min  
Lab File: BG054209.D  
Acq: 5 Jul 2022 15:28

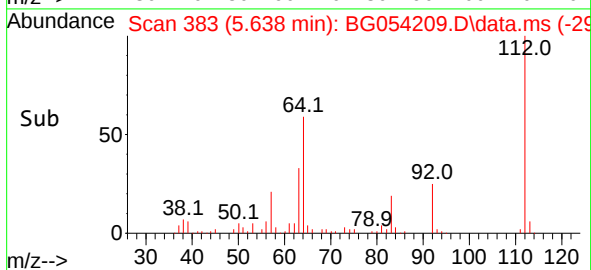
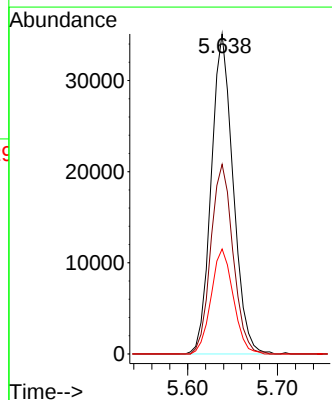
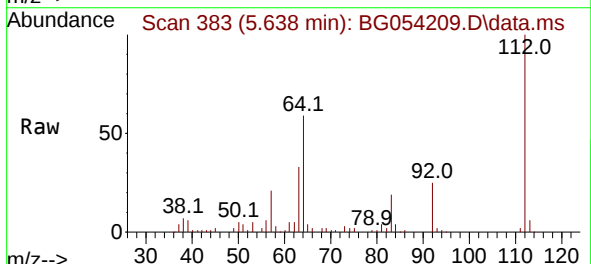
Instrument :  
BNA\_G  
ClientSampleId :  
SP-303-20220630

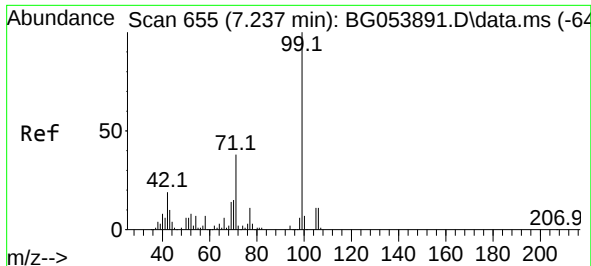
Tgt Ion:152 Resp: 22143  
Ion Ratio Lower Upper  
152 100  
150 148.6 131.6 197.4  
115 56.6 50.9 76.3



#5  
2-Fluorophenol  
Concen: 51.256 ng  
RT: 5.638 min Scan# 383  
Delta R.T. 0.000 min  
Lab File: BG054209.D  
Acq: 5 Jul 2022 15:28

Tgt Ion:112 Resp: 59363  
Ion Ratio Lower Upper  
112 100  
64 59.3 55.1 82.7  
63 32.8 30.4 45.6

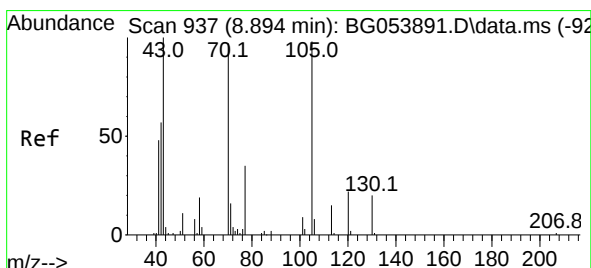
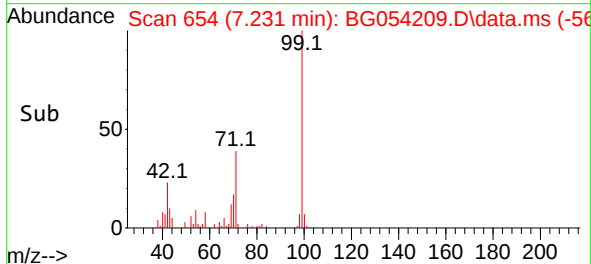
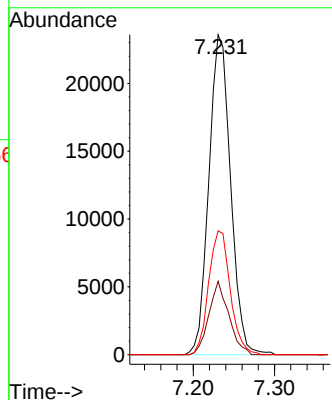
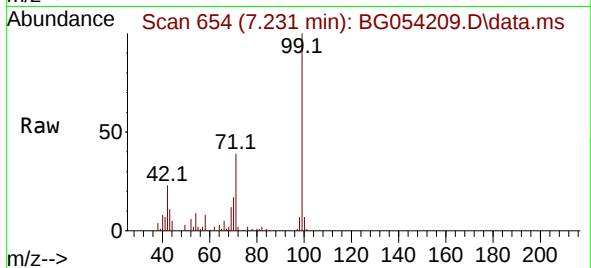




#7  
Phenol-d6  
Concen: 27.882 ng  
RT: 7.231 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: BG054209.D  
Acq: 5 Jul 2022 15:28

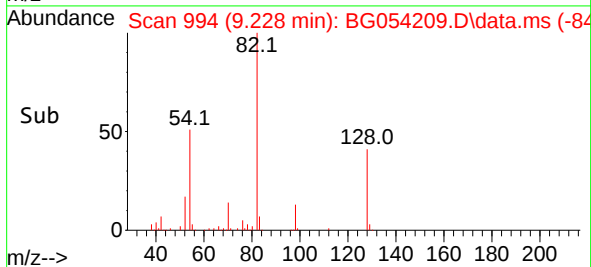
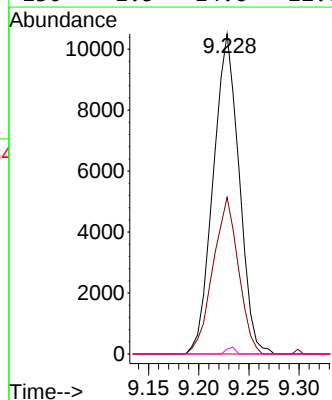
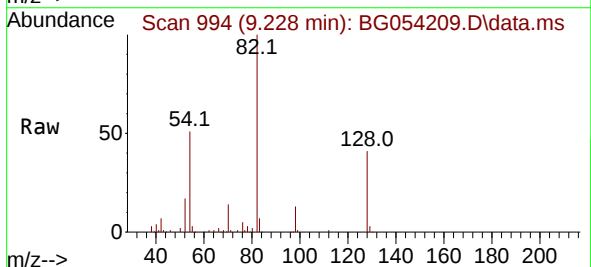
Instrument :  
BNA\_G  
ClientSampleId :  
SP-303-20220630

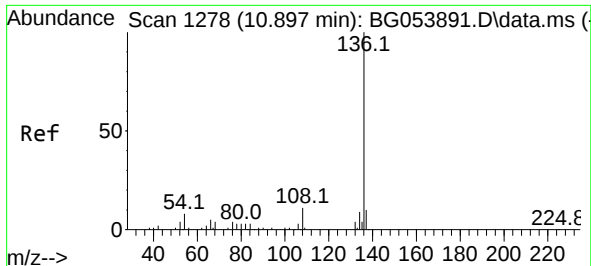
Tgt Ion: 99 Resp: 43807  
Ion Ratio Lower Upper  
99 100  
42 23.0 17.0 25.6  
71 38.7 33.8 50.8



#19  
n-Nitroso-di-n-propylamine  
Concen: 17.811 ng  
RT: 9.228 min Scan# 994  
Delta R.T. 0.353 min  
Lab File: BG054209.D  
Acq: 5 Jul 2022 15:28

Tgt Ion: 70 Resp: 18800  
Ion Ratio Lower Upper  
70 100  
42 49.0 47.3 70.9  
101 0.0 7.0 10.4#  
130 1.5 14.6 22.0#

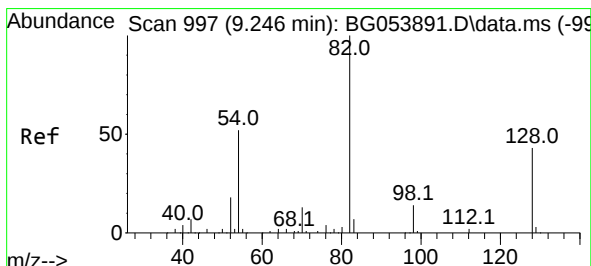
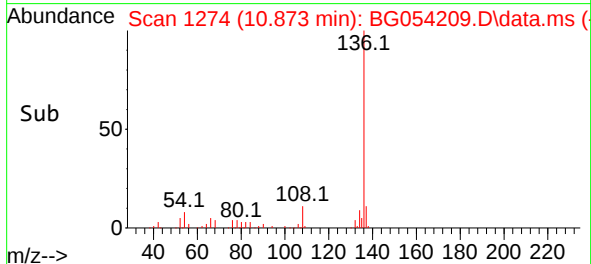
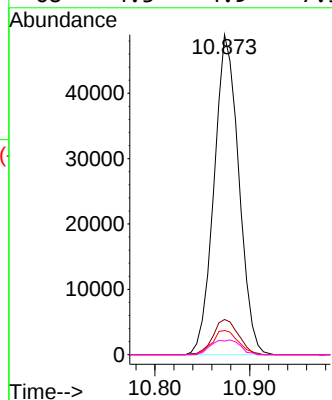
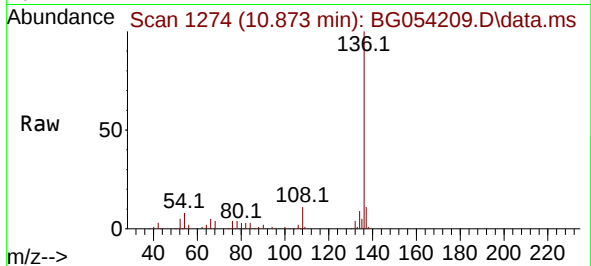




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.873 min Scan# 11  
Delta R.T. -0.005 min  
Lab File: BG054209.D  
Acq: 5 Jul 2022 15:28

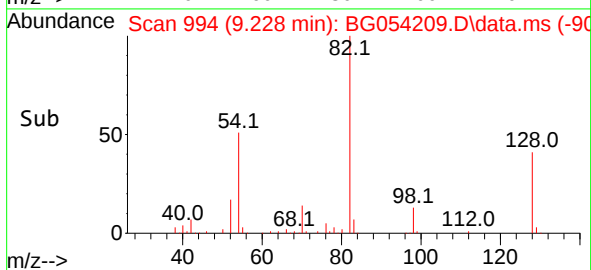
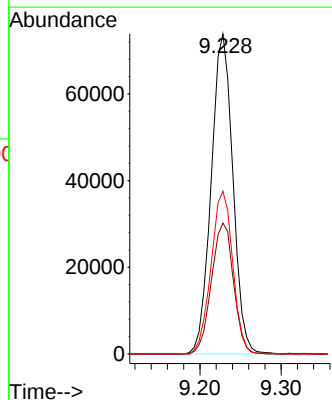
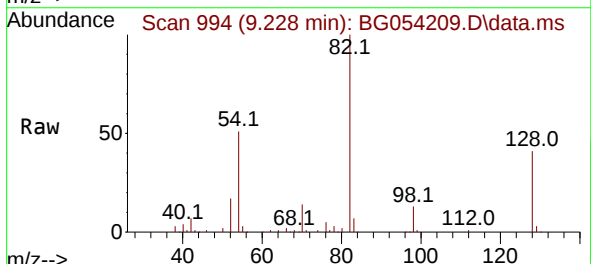
Instrument :  
BNA\_G  
ClientSampleId :  
SP-303-20220630

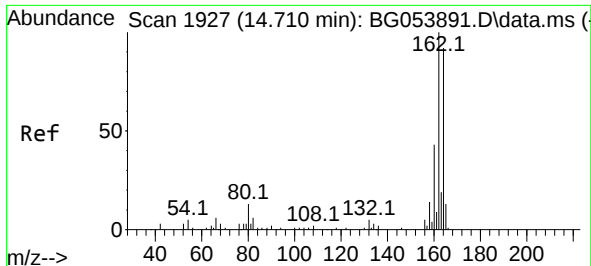
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 136   | Resp: | 88825 |
| Ion Ratio | Lower | Upper |       |
| 136       | 100   |       |       |
| 137       | 11.0  | 8.5   | 12.7  |
| 54        | 7.5   | 7.4   | 11.2  |
| 68        | 4.3   | 4.9   | 7.3   |



#23  
Nitrobenzene-d5  
Concen: 86.488 ng  
RT: 9.228 min Scan# 994  
Delta R.T. -0.006 min  
Lab File: BG054209.D  
Acq: 5 Jul 2022 15:28

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 82    | Resp: | 136705 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 40.9  | 27.9  | 41.9   |
| 54        | 50.8  | 41.2  | 61.8   |

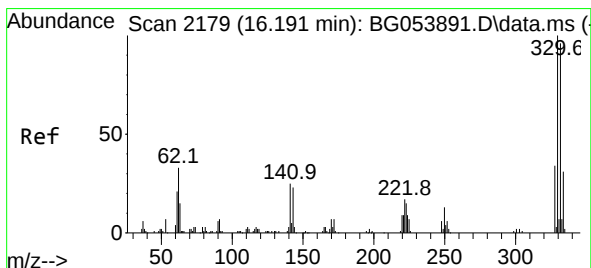
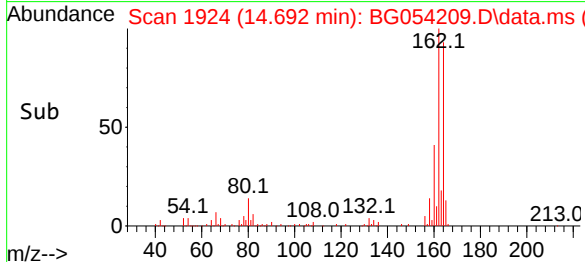
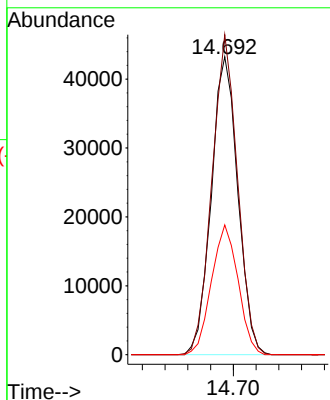
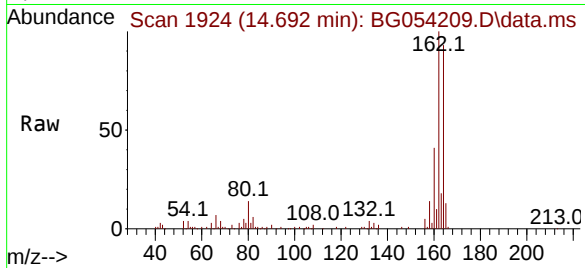




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.692 min Scan# 1924  
Delta R.T. -0.005 min  
Lab File: BG054209.D  
Acq: 5 Jul 2022 15:28

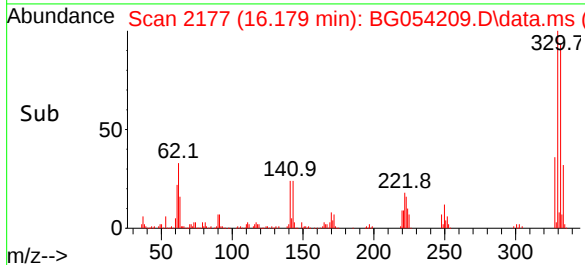
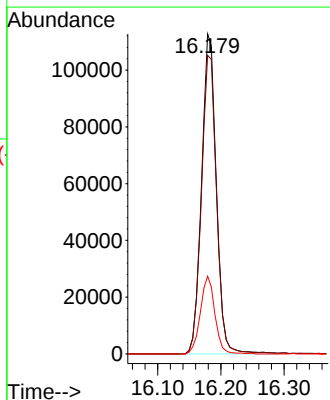
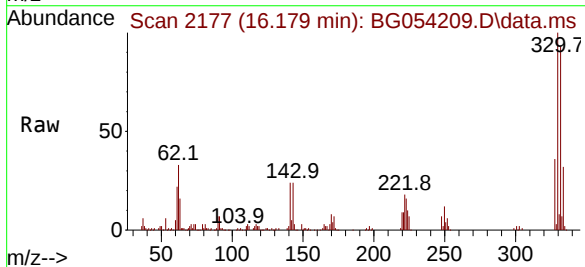
Instrument :  
BNA\_G  
ClientSampleId :  
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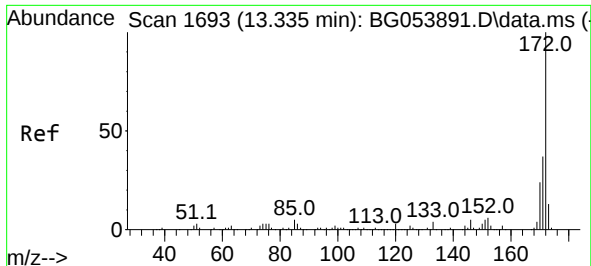
Tgt Ion:164 Resp: 69981  
Ion Ratio Lower Upper  
164 100  
162 107.4 82.3 123.5  
160 43.6 34.2 51.2



#42  
2,4,6-Tribromophenol  
Concen: 162.987 ng  
RT: 16.179 min Scan# 2177  
Delta R.T. -0.005 min  
Lab File: BG054209.D  
Acq: 5 Jul 2022 15:28

Tgt Ion:330 Resp: 183257  
Ion Ratio Lower Upper  
330 100  
332 95.1 76.0 114.0  
141 23.8 27.1 40.7#

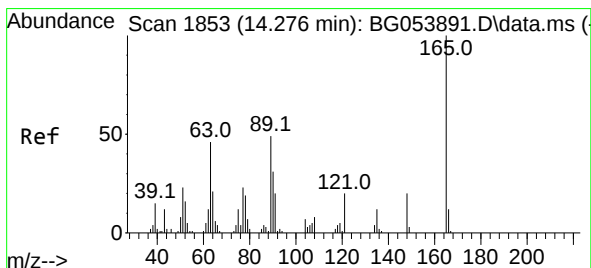
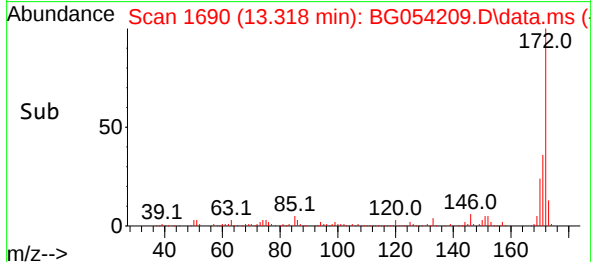
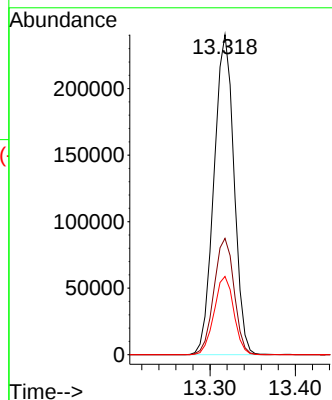
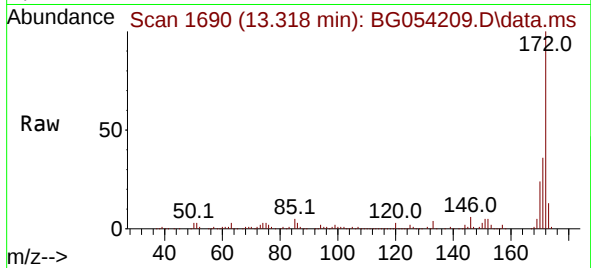




#45  
 2-Fluorobiphenyl  
 Concen: 81.439 ng  
 RT: 13.318 min Scan# 1  
 Delta R.T. -0.006 min  
 Lab File: BG054209.D  
 Acq: 5 Jul 2022 15:28

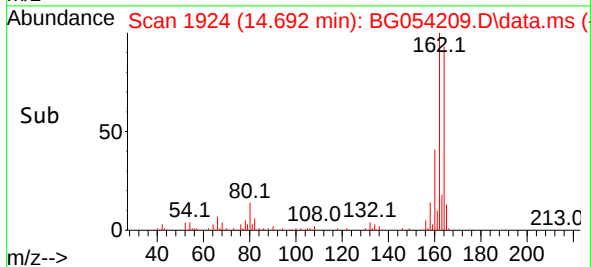
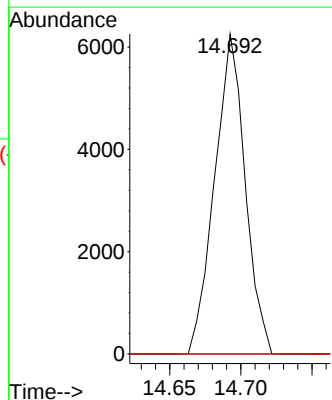
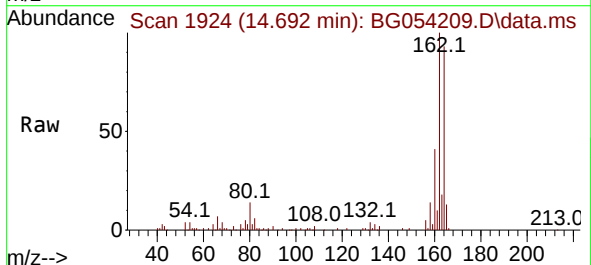
Instrument :  
 BNA\_G  
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 SP-303-20220630

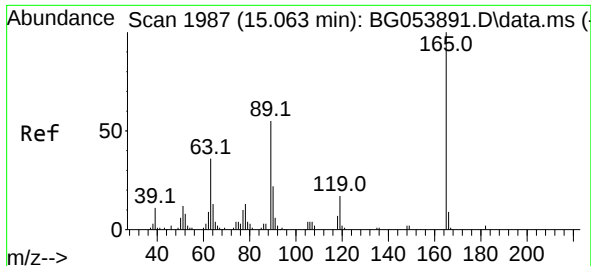
Tgt Ion:172 Resp: 391928  
 Ion Ratio Lower Upper  
 172 100  
 171 36.4 28.5 42.7  
 170 24.5 18.9 28.3



#51  
 2,6-Dinitrotoluene  
 Concen: 8.666 ng  
 RT: 14.692 min Scan# 1924  
 Delta R.T. 0.429 min  
 Lab File: BG054209.D  
 Acq: 5 Jul 2022 15:28

Tgt Ion:165 Resp: 9332  
 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: 6.136 ng

RT: 14.692 min Scan# 1987

Delta R.T. -0.358 min

Lab File: BG054209.D

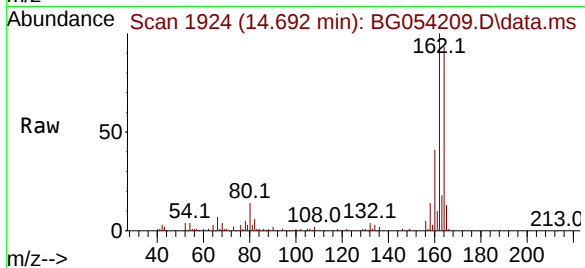
Acq: 5 Jul 2022 15:28

Instrument :

BNA\_G

ClientSampleId :

SP-303-20220630



Tgt Ion:165 Resp: 9332

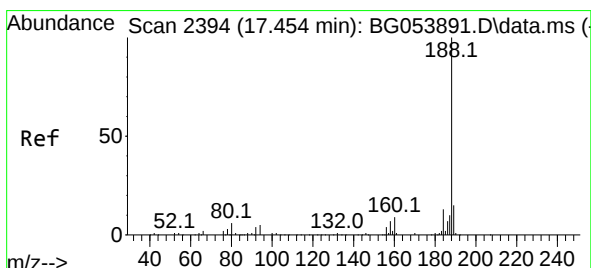
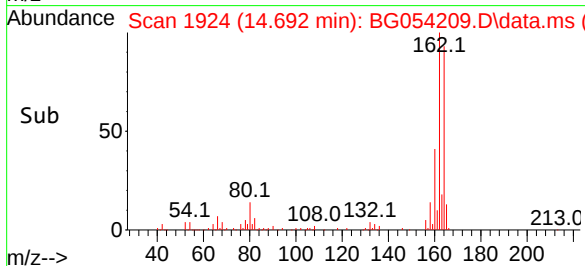
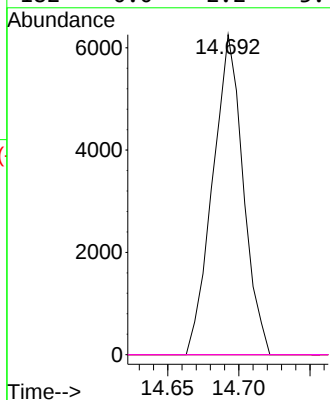
Ion Ratio Lower Upper

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: 17.436 min Scan# 2391

Delta R.T. -0.005 min

Lab File: BG054209.D

Acq: 5 Jul 2022 15:28

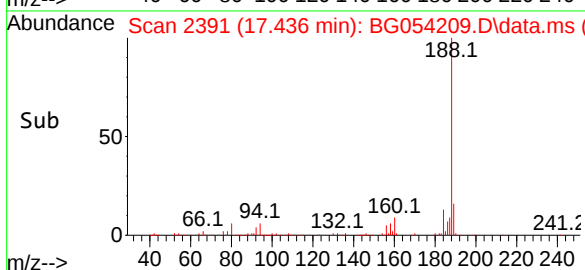
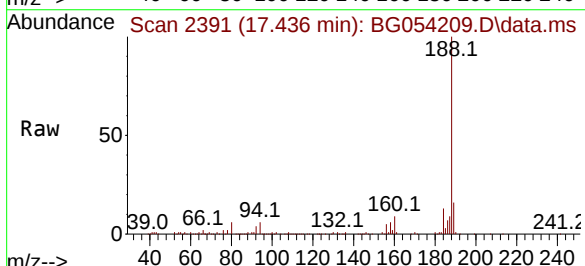
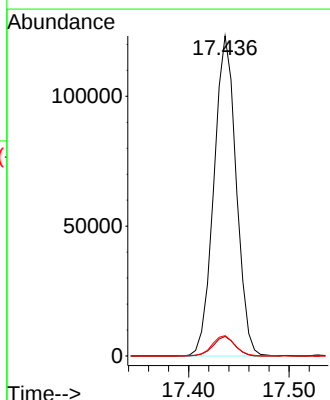
Tgt Ion:188 Resp: 189976

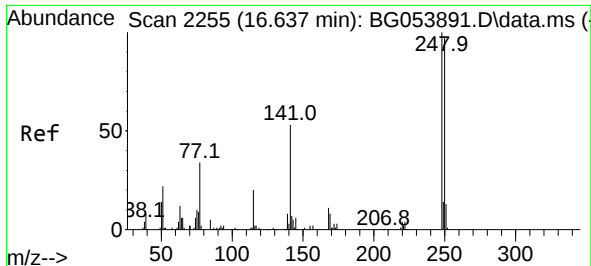
Ion Ratio Lower Upper

188 100

94 6.1 5.4 8.0

80 6.4 6.8 10.2#

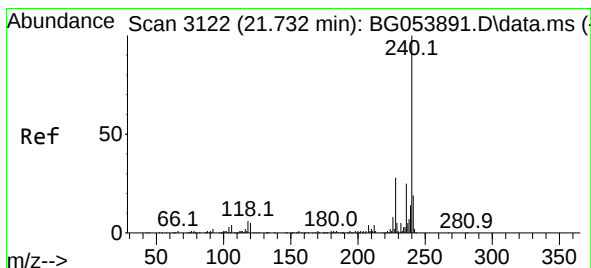
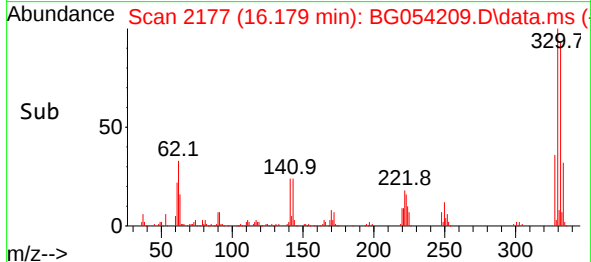
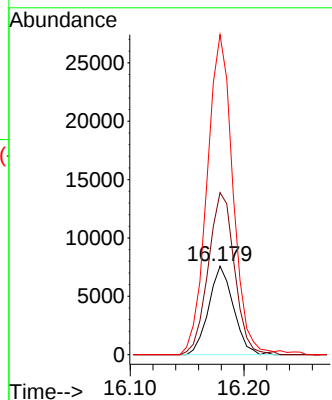
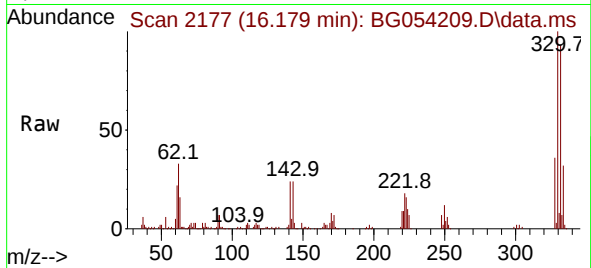




#67  
4-Bromophenyl-phenylether  
Concen: 4.828 ng  
RT: 16.179 min Scan# 2119  
Delta R.T. -0.446 min  
Lab File: BG054209.D  
Acq: 5 Jul 2022 15:28

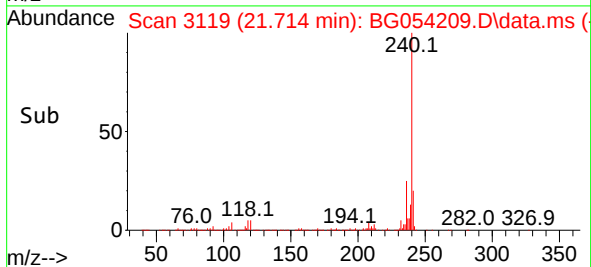
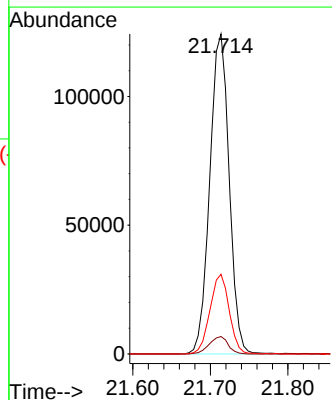
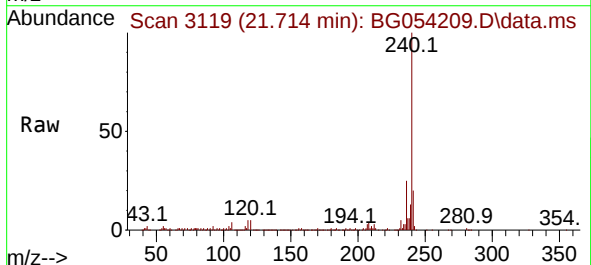
Instrument :  
BNA\_G  
ClientSampleId :  
SP-303-20220630

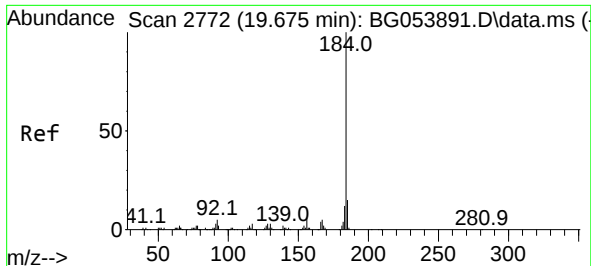
Tgt Ion:248 Resp: 11456  
Ion Ratio Lower Upper  
248 100  
250 239.3 75.2 112.8#  
141 361.4 50.0 75.0#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.714 min Scan# 3119  
Delta R.T. -0.006 min  
Lab File: BG054209.D  
Acq: 5 Jul 2022 15:28

Tgt Ion:240 Resp: 215705  
Ion Ratio Lower Upper  
240 100  
120 5.4 4.6 7.0  
236 24.9 20.2 30.4

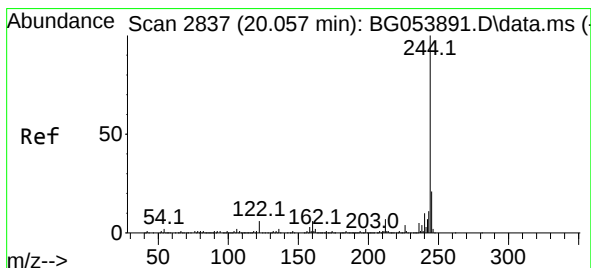
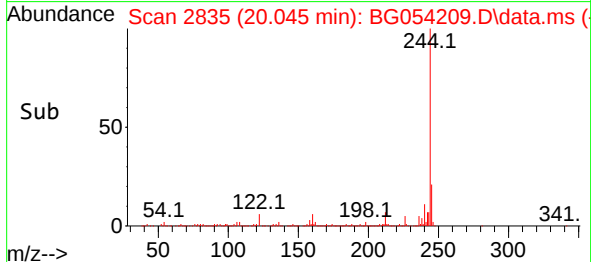
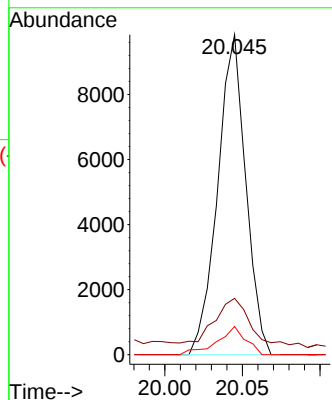
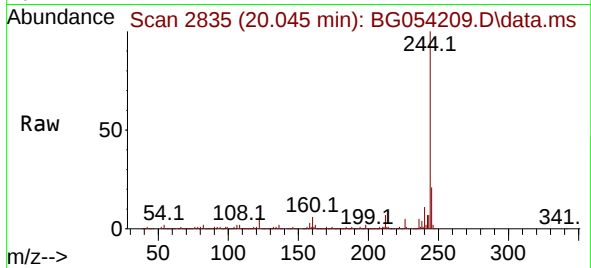




#77  
Benzidine  
Concen: 2.769 ng  
RT: 20.045 min Scan# 2835  
Delta R.T. 0.382 min  
Lab File: BG054209.D  
Acq: 5 Jul 2022 15:28

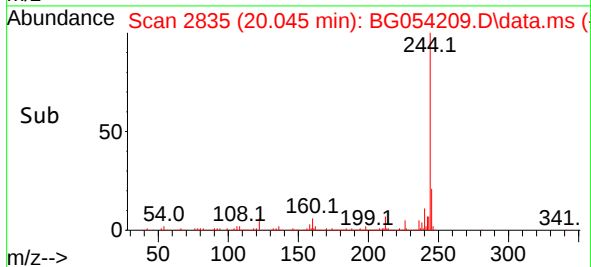
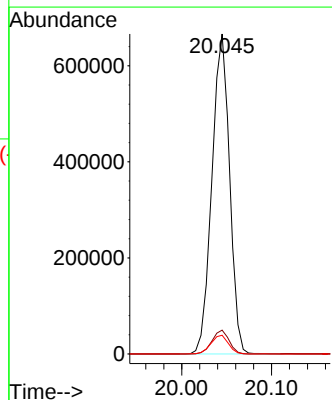
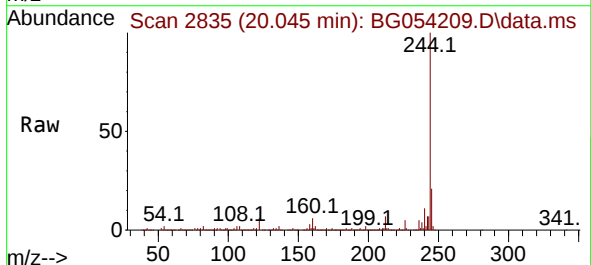
Instrument :  
BNA\_G  
ClientSampleId :  
SP-303-20220630

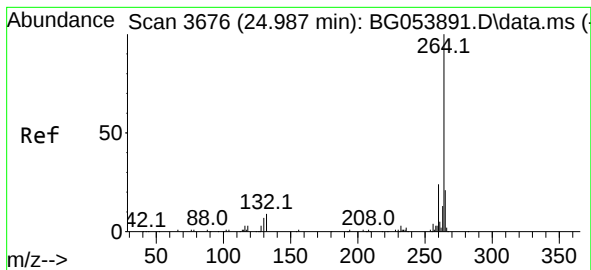
Tgt Ion:184 Resp: 12369  
Ion Ratio Lower Upper  
184 100  
185 17.6 11.8 17.6  
183 8.8 8.9 13.3#



#79  
Terphenyl-d14  
Concen: 84.870 ng  
RT: 20.045 min Scan# 2835  
Delta R.T. 0.000 min  
Lab File: BG054209.D  
Acq: 5 Jul 2022 15:28

Tgt Ion:244 Resp: 908946  
Ion Ratio Lower Upper  
244 100  
212 7.5 6.5 9.7  
122 5.8 5.0 7.4





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.969 min Scan# 30  
 Delta R.T. 0.006 min  
 Lab File: BG054209.D  
 Acq: 5 Jul 2022 15:28

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SP-303-20220630

Tgt Ion:264 Resp: 220545  
 Ion Ratio Lower Upper  
 264 100  
 260 23.4 19.0 28.6  
 265 22.2 17.4 26.2

