

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG100721\  
 Data File : BG050492.D  
 Acq On : 7 Oct 2021 21:08  
 Operator : CG/JU  
 Sample : M4077-05  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CC-29

Quant Time: Oct 08 05:46:15 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG100621.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 06 15:51:01 2021  
 Response via : Initial Calibration

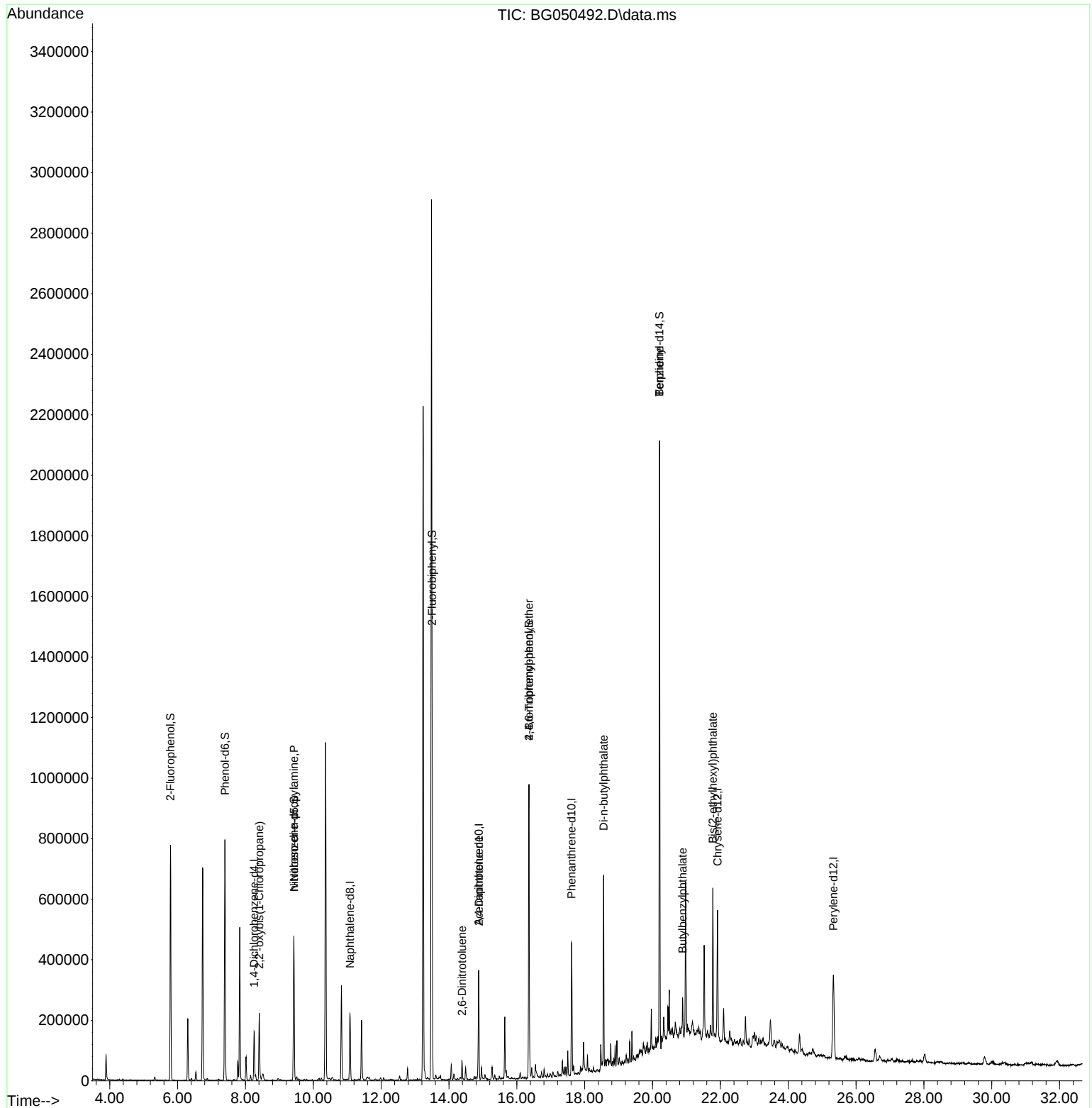
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.255  | 152  | 41640    | 20.000    | ng    | 0.00     |
| 21) Naphthalene-d8            | 11.081 | 136  | 179148   | 20.000    | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.877 | 164  | 123967   | 20.000    | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.615 | 188  | 275018   | 20.000    | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.916 | 240  | 253456   | 20.000    | ng    | # 0.00   |
| 86) Perylene-d12              | 25.329 | 264  | 262592   | 20.000    | ng    | 0.00     |
|                               |        |      |          |           |       |          |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.794  | 112  | 320663   | 115.169   | ng    | 0.00     |
| 7) Phenol-d6                  | 7.398  | 99   | 440962   | 109.388   | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.430  | 82   | 306223   | 70.759    | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.358 | 330  | 129587   | 109.594   | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.502 | 172  | 515338   | 62.565    | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.206 | 244  | 884588   | 68.016    | ng    | 0.00     |
|                               |        |      |          |           |       |          |
| Target Compounds              |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde               | 7.398  | 77   | 1164     | Below Cal | #     | 10       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.408  | 45   | 12415    | 2.488     | ng    | 78       |
| 19) n-Nitroso-di-n-propyla... | 9.430  | 70   | 43461    | 14.792    | ng    | # 70     |
| 51) 2,6-Dinitrotoluene        | 14.383 | 165  | 8262     | 4.402     | ng    | # 17     |
| 57) 2,4-Dinitrotoluene        | 14.877 | 165  | 15598    | 5.896     | ng    | # 16     |
| 67) 4-Bromophenyl-phenylether | 16.358 | 248  | 10988    | 3.965     | ng    | # 1      |
| 74) Di-n-butylphthalate       | 18.561 | 149  | 459519   | 27.281    | ng    | # 98     |
| 77) Benzidine                 | 20.206 | 184  | 18845    | 2.294     | ng    | # 94     |
| 80) Butylbenzylphthalate      | 20.888 | 149  | 36853    | 4.845     | ng    | 93       |
| 84) Bis(2-ethylhexyl)phtha... | 21.781 | 149  | 202188   | 18.708    | ng    | # 94     |
| -----                         |        |      |          |           |       |          |

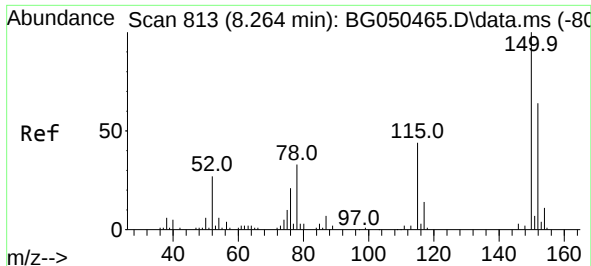
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG100721\  
Data File : BG050492.D  
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Sample : M4077-05  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
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Quant Time: Oct 08 05:46:15 2021  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG100621.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Oct 06 15:51:01 2021  
Response via : Initial Calibration

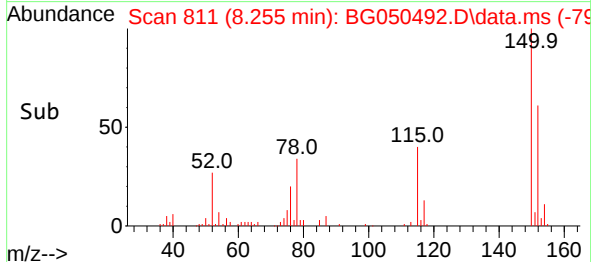
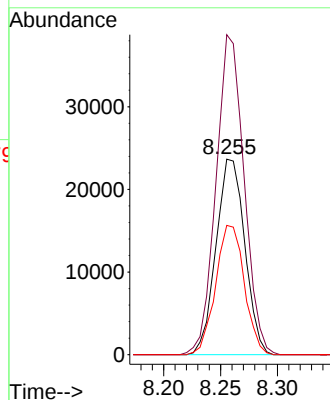
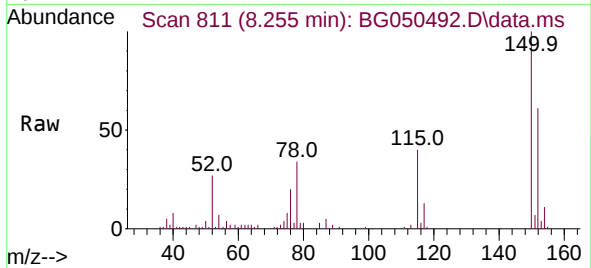




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.255 min Scan# 811  
Delta R.T. -0.009 min  
Lab File: BG050492.D  
Acq: 7 Oct 2021 21:08

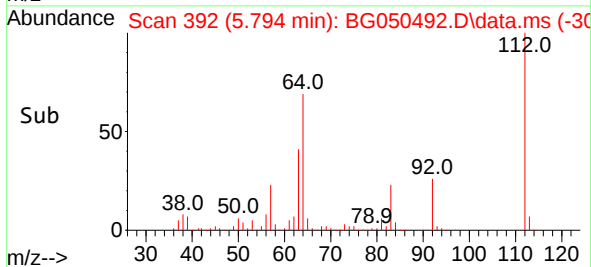
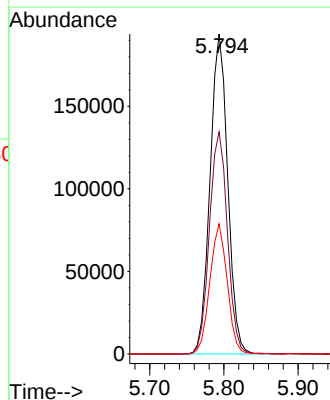
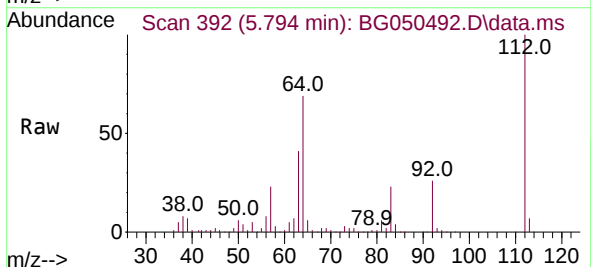
Instrument :  
BNA\_G  
ClientSampleId :  
CC-29

Tgt Ion:152 Resp: 41640  
Ion Ratio Lower Upper  
152 100  
150 163.7 119.4 179.0  
115 66.2 60.2 90.4



#5  
2-Fluorophenol  
Concen: 115.169 ng  
RT: 5.794 min Scan# 392  
Delta R.T. 0.004 min  
Lab File: BG050492.D  
Acq: 7 Oct 2021 21:08

Tgt Ion:112 Resp: 320663  
Ion Ratio Lower Upper  
112 100  
64 69.3 46.7 70.1  
63 40.7 35.3 52.9

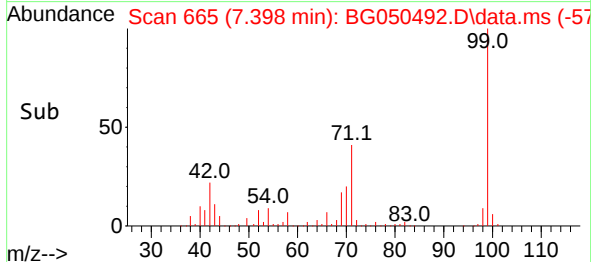
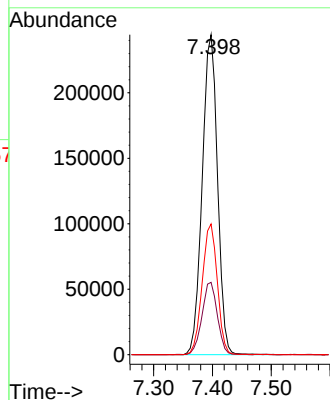
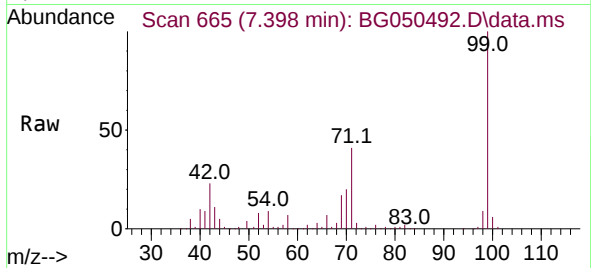




#7  
Phenol-d6  
Concen: 109.388 ng  
RT: 7.398 min Scan# 665  
Delta R.T. 0.004 min  
Lab File: BG050492.D  
Acq: 7 Oct 2021 21:08

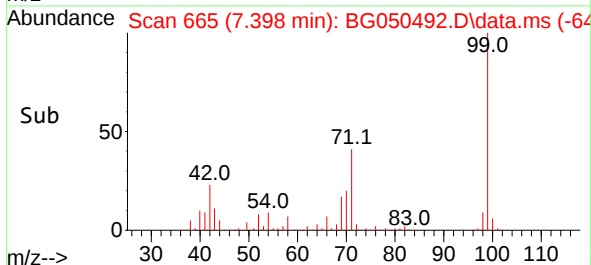
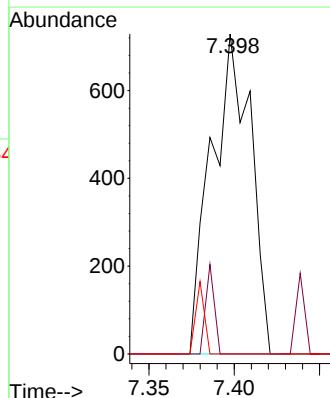
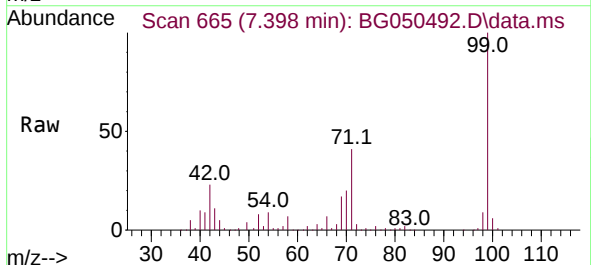
Instrument :  
BNA\_G  
ClientSampleId :  
CC-29

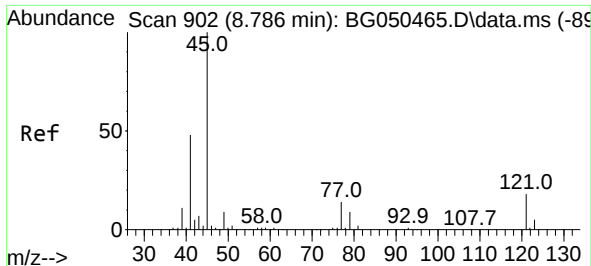
Tgt Ion: 99 Resp: 440962  
Ion Ratio Lower Upper  
99 100  
42 22.6 20.5 30.7  
71 40.9 41.5 62.3#



#9  
Benzaldehyde  
Concen: Below Cal  
RT: 7.398 min Scan# 665  
Delta R.T. 0.004 min  
Lab File: BG050492.D  
Acq: 7 Oct 2021 21:08

Tgt Ion: 77 Resp: 1164  
Ion Ratio Lower Upper  
77 100  
105 0.0 68.8 108.8#  
106 0.0 47.9 87.9#

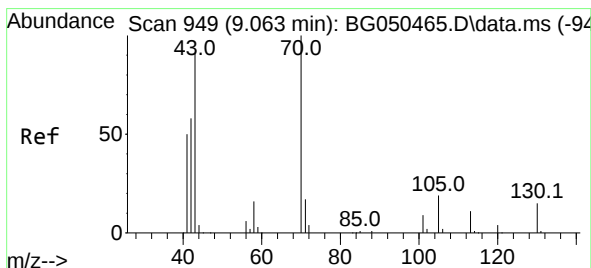
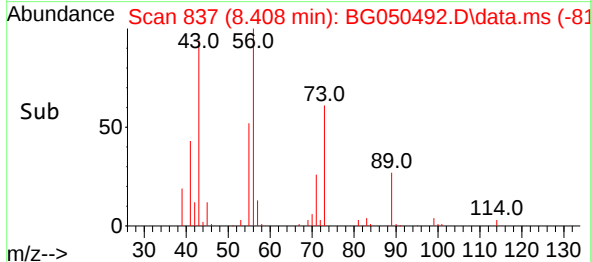
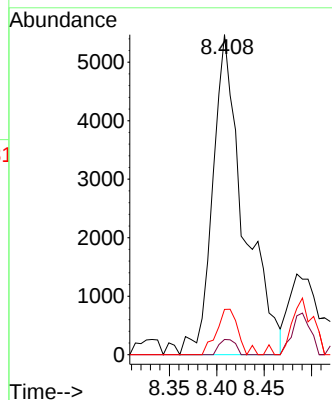
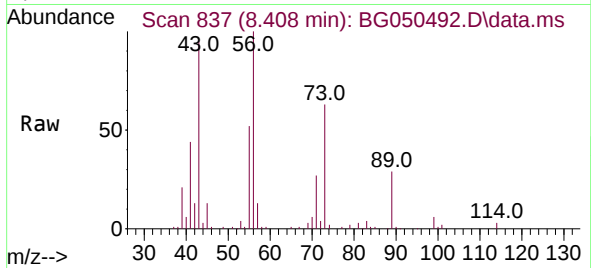




#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 2.488 ng  
RT: 8.408 min Scan# 837  
Delta R.T. -0.378 min  
Lab File: BG050492.D  
Acq: 7 Oct 2021 21:08

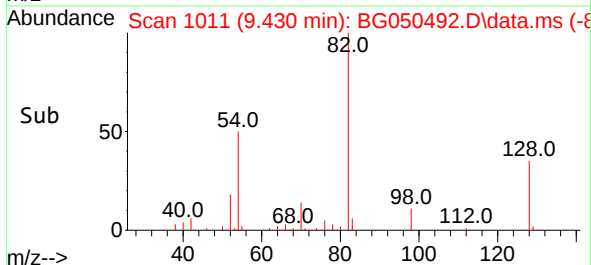
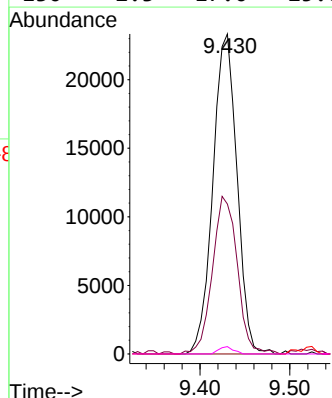
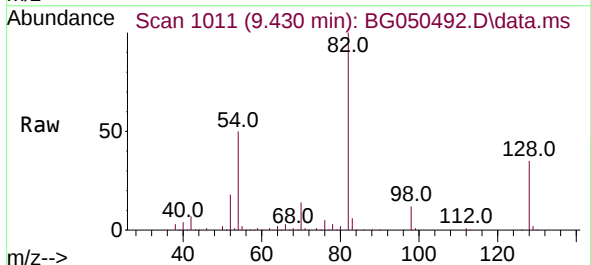
Instrument :  
BNA\_G  
ClientSampled :  
CC-29

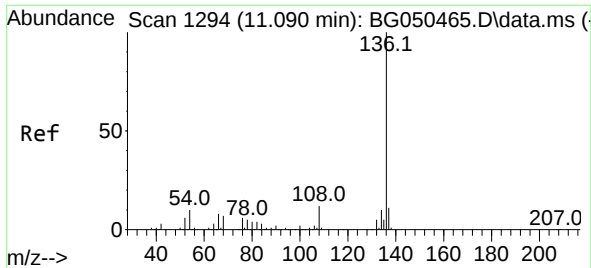
Tgt Ion: 45 Resp: 12415  
Ion Ratio Lower Upper  
45 100  
77 4.8 2.2 42.2  
79 14.1 0.0 34.3



#19  
n-Nitroso-di-n-propylamine  
Concen: 14.792 ng  
RT: 9.430 min Scan# 1011  
Delta R.T. 0.368 min  
Lab File: BG050492.D  
Acq: 7 Oct 2021 21:08

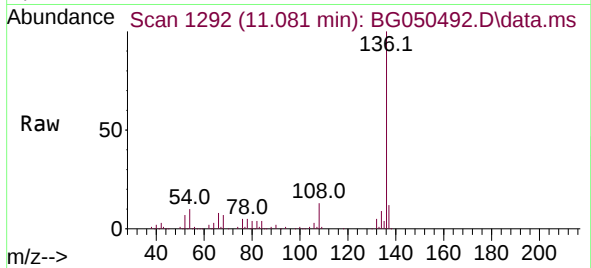
Tgt Ion: 70 Resp: 43461  
Ion Ratio Lower Upper  
70 100  
42 46.8 54.5 81.7#  
101 0.0 9.0 13.6#  
130 2.3 17.0 25.6#



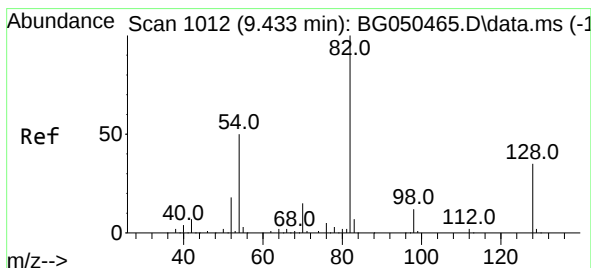
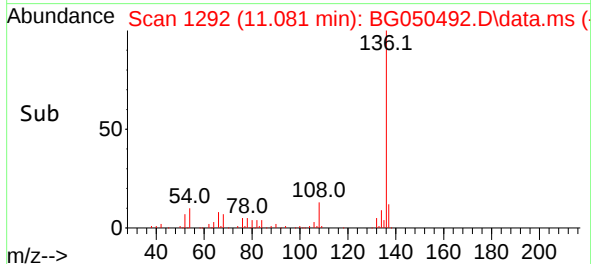
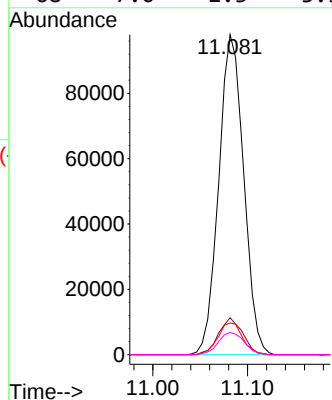


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.081 min Scan# 1292  
Delta R.T. -0.008 min  
Lab File: BG050492.D  
Acq: 7 Oct 2021 21:08

Instrument :  
BNA\_G  
ClientSampled :  
CC-29

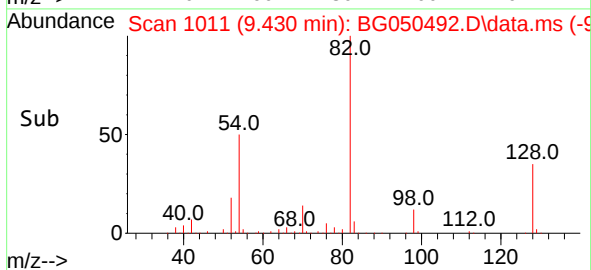
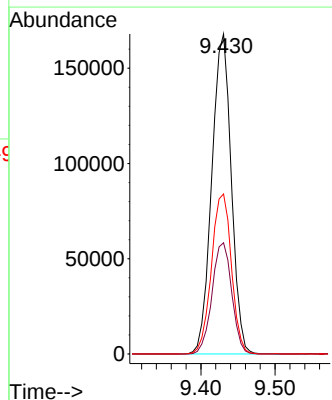
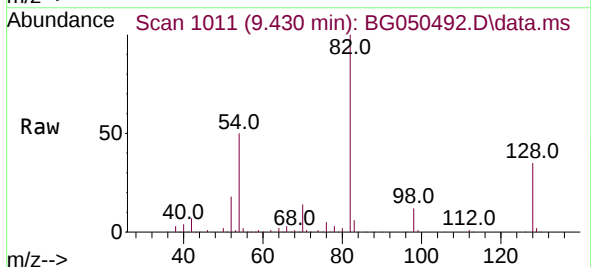


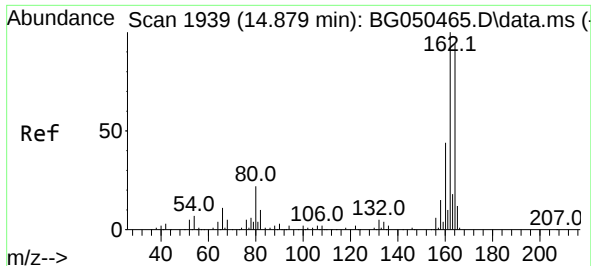
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 179148 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 11.6  | 8.2   | 12.2   |
| 54        | 9.9   | 5.5   | 8.3#   |
| 68        | 7.0   | 2.3   | 3.5#   |



#23  
Nitrobenzene-d5  
Concen: 70.759 ng  
RT: 9.430 min Scan# 1011  
Delta R.T. -0.002 min  
Lab File: BG050492.D  
Acq: 7 Oct 2021 21:08

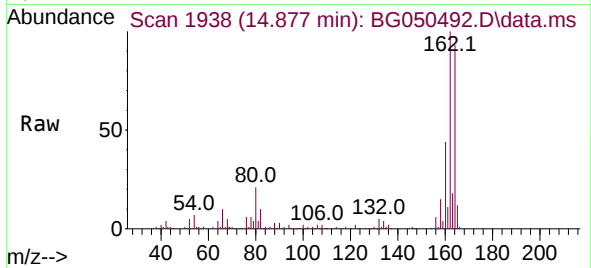
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 82    | Resp: | 306223 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 34.8  | 29.8  | 44.6   |
| 54        | 50.0  | 45.8  | 68.8   |



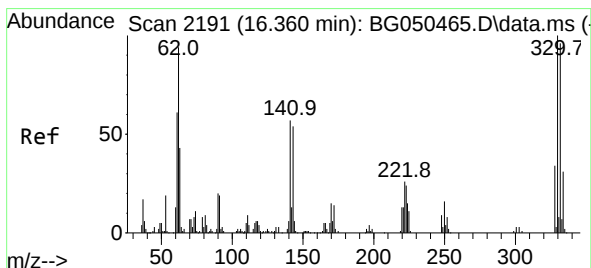
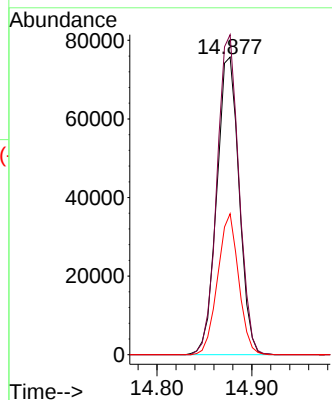
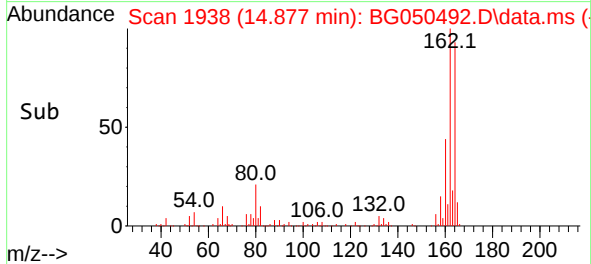


#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.877 min Scan# 1938  
Delta R.T. -0.002 min  
Lab File: BG050492.D  
Acq: 7 Oct 2021 21:08

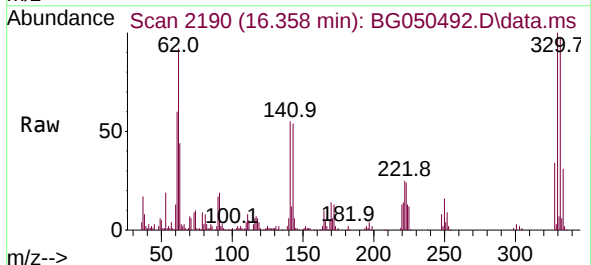
Instrument :  
BNA\_G  
ClientSampled :  
CC-29



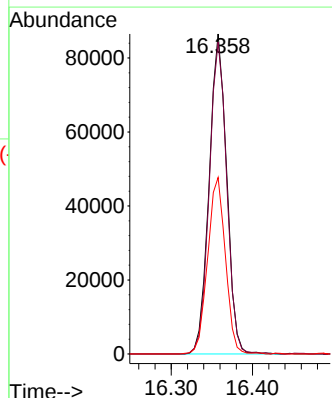
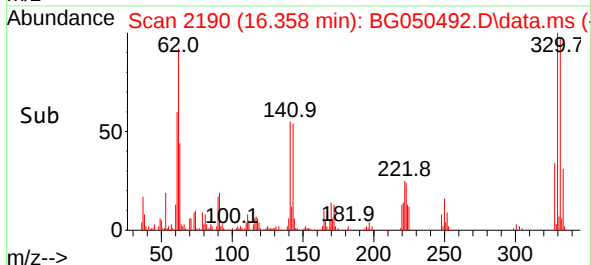
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Ion Ratio Lower Upper  
164 100  
162 107.5 81.4 122.0  
160 47.4 34.9 52.3

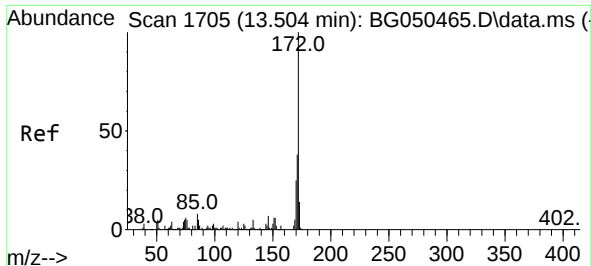


#42  
2,4,6-Tribromophenol  
Concen: 109.594 ng  
RT: 16.358 min Scan# 2190  
Delta R.T. -0.002 min  
Lab File: BG050492.D  
Acq: 7 Oct 2021 21:08



Tgt Ion:330 Resp: 129587  
Ion Ratio Lower Upper  
330 100  
332 97.2 77.3 115.9  
141 55.8 35.6 53.4#

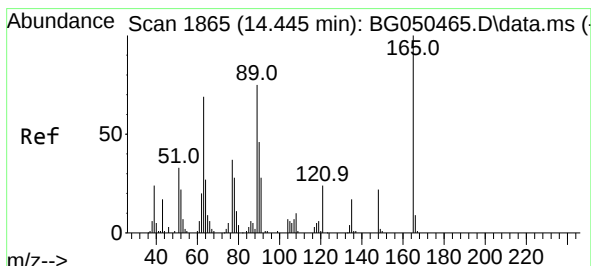
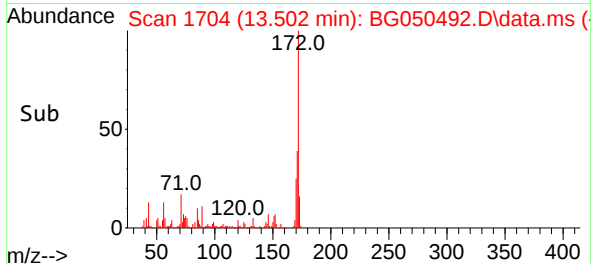
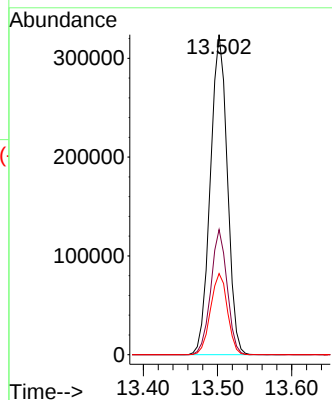
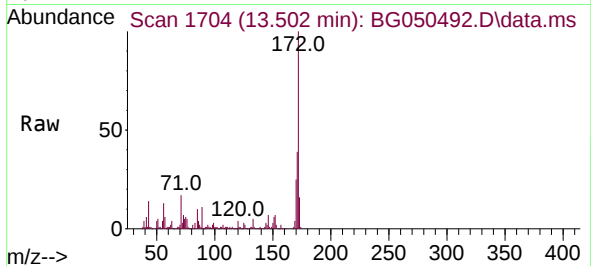




#45  
2-Fluorobiphenyl  
Concen: 62.565 ng  
RT: 13.502 min Scan# 1704  
Delta R.T. -0.002 min  
Lab File: BG050492.D  
Acq: 7 Oct 2021 21:08

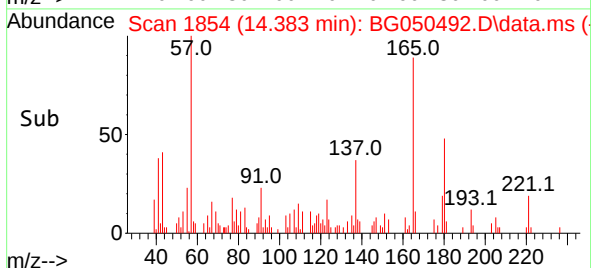
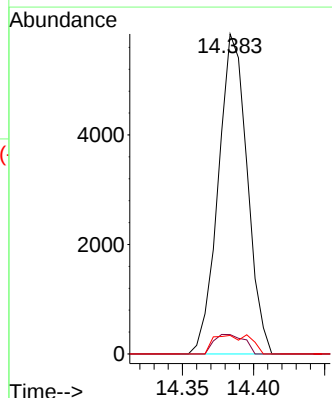
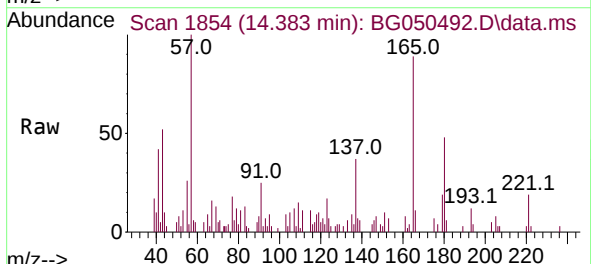
Instrument :  
BNA\_G  
ClientSampled :  
CC-29

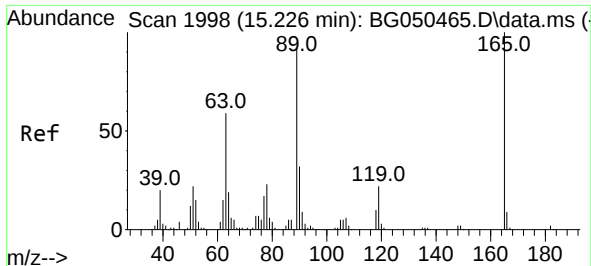
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Ion Ratio Lower Upper  
172 100  
171 39.1 28.6 43.0  
170 25.3 18.6 27.8



#51  
2,6-Dinitrotoluene  
Concen: 4.402 ng  
RT: 14.383 min Scan# 1854  
Delta R.T. -0.061 min  
Lab File: BG050492.D  
Acq: 7 Oct 2021 21:08

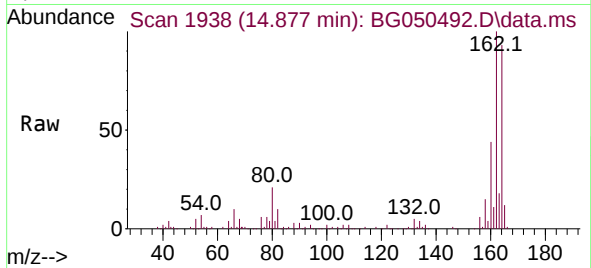
Tgt Ion:165 Resp: 8262  
Ion Ratio Lower Upper  
165 100  
63 6.1 63.3 94.9#  
89 5.8 63.4 95.0#



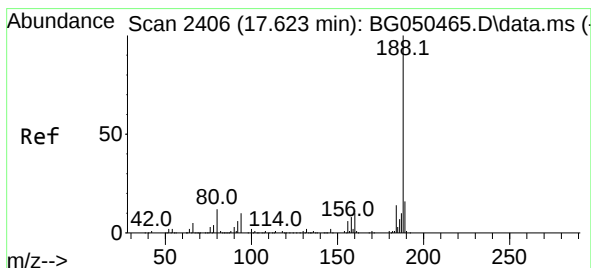
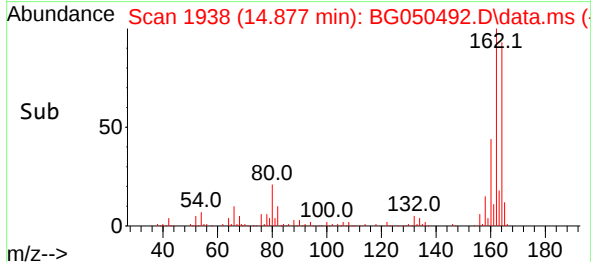
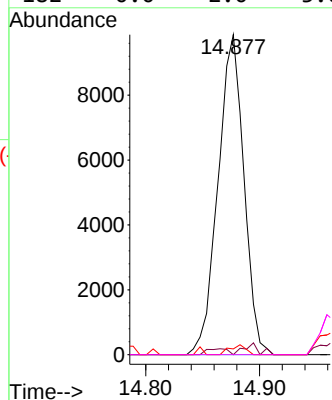


#57  
2,4-Dinitrotoluene  
Concen: 5.896 ng  
RT: 14.877 min Scan# 1938  
Delta R.T. -0.349 min  
Lab File: BG050492.D  
Acq: 7 Oct 2021 21:08

Instrument :  
BNA\_G  
ClientSampled :  
CC-29

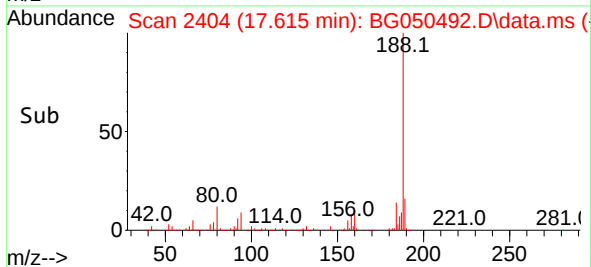
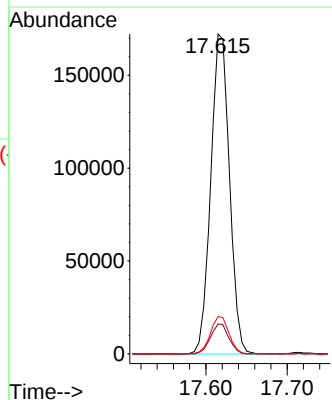
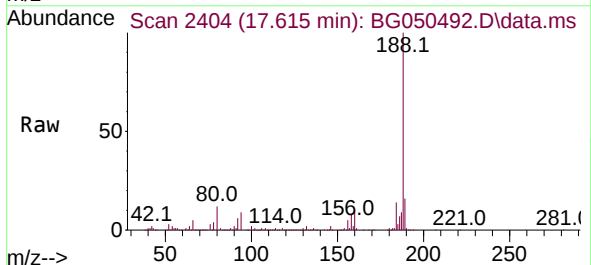


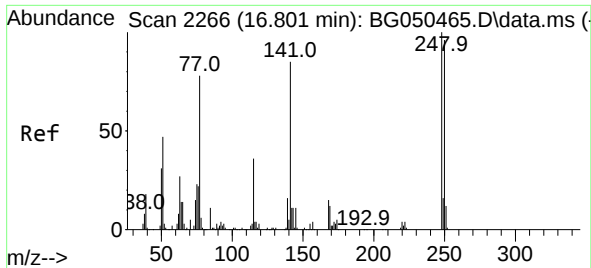
Tgt Ion:165 Resp: 15598  
Ion Ratio Lower Upper  
165 100  
63 0.0 48.0 72.0#  
89 1.8 65.4 98.0#  
182 0.0 2.0 3.0#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.615 min Scan# 2404  
Delta R.T. -0.008 min  
Lab File: BG050492.D  
Acq: 7 Oct 2021 21:08

Tgt Ion:188 Resp: 275018  
Ion Ratio Lower Upper  
188 100  
94 9.4 5.4 8.0#  
80 11.7 3.7 5.5#

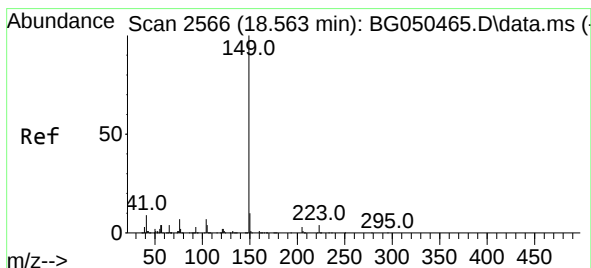
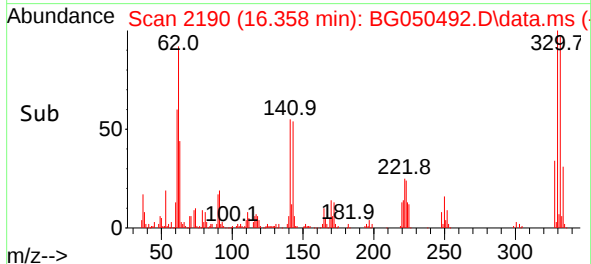
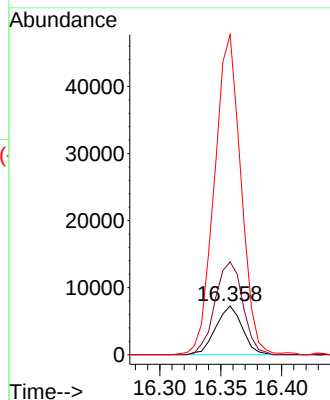
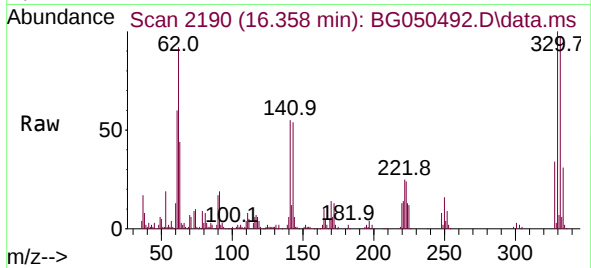




#67  
4-Bromophenyl-phenylether  
Concen: 3.965 ng  
RT: 16.358 min Scan# 2190  
Delta R.T. -0.443 min  
Lab File: BG050492.D  
Acq: 7 Oct 2021 21:08

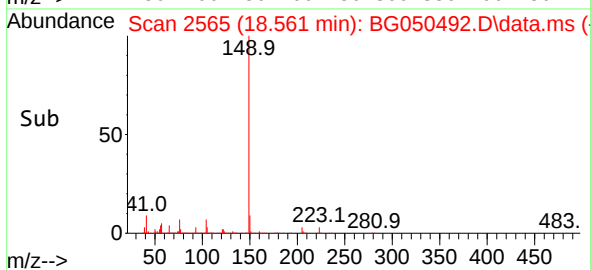
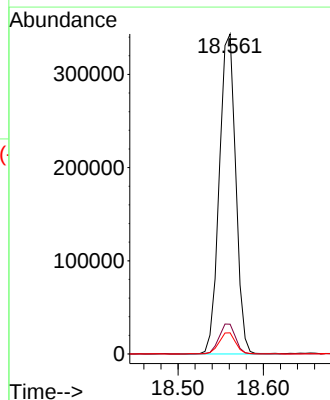
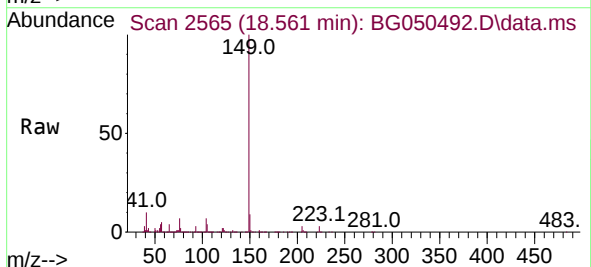
Instrument :  
BNA\_G  
ClientSampled :  
CC-29

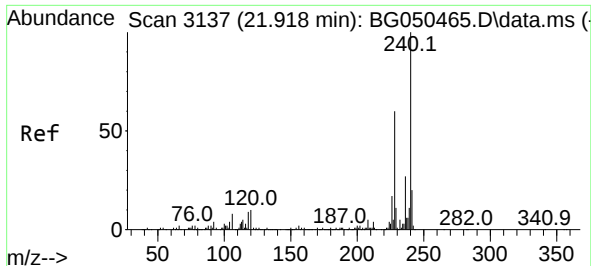
Tgt Ion:248 Resp: 10988  
Ion Ratio Lower Upper  
248 100  
250 190.3 76.1 114.1#  
141 656.1 65.4 98.2#



#74  
Di-n-butylphthalate  
Concen: 27.281 ng  
RT: 18.561 min Scan# 2565  
Delta R.T. -0.002 min  
Lab File: BG050492.D  
Acq: 7 Oct 2021 21:08

Tgt Ion:149 Resp: 459519  
Ion Ratio Lower Upper  
149 100  
150 9.3 7.5 11.3  
104 6.6 6.6 10.0#

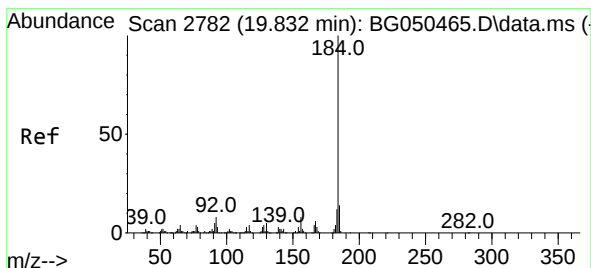
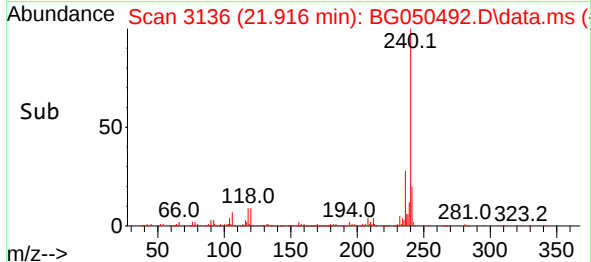
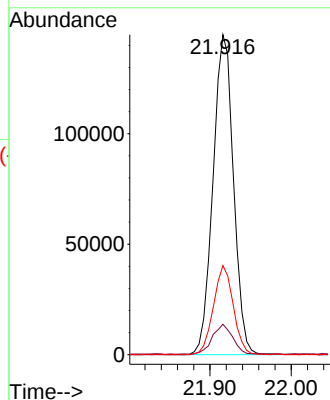
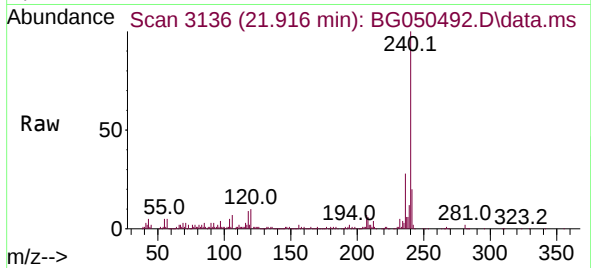




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.916 min Scan# 3136  
Delta R.T. -0.002 min  
Lab File: BG050492.D  
Acq: 7 Oct 2021 21:08

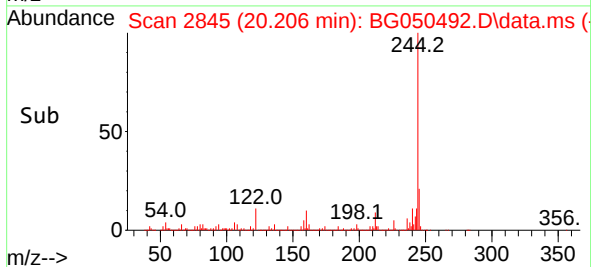
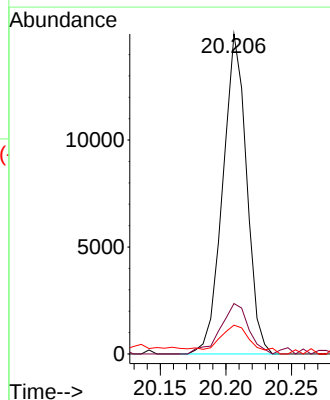
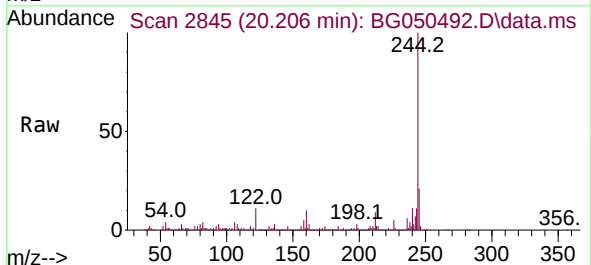
Instrument :  
BNA\_G  
ClientSampled :  
CC-29

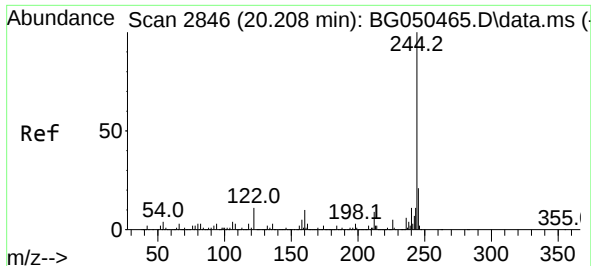
Tgt Ion:240 Resp: 253456  
Ion Ratio Lower Upper  
240 100  
120 9.5 4.2 6.2#  
236 27.9 21.8 32.6



#77  
Benzidine  
Concen: 2.294 ng  
RT: 20.206 min Scan# 2845  
Delta R.T. 0.374 min  
Lab File: BG050492.D  
Acq: 7 Oct 2021 21:08

Tgt Ion:184 Resp: 18845  
Ion Ratio Lower Upper  
184 100  
185 15.8 10.7 16.1  
183 9.0 9.4 14.0#

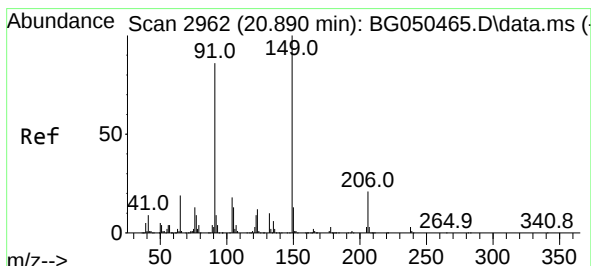
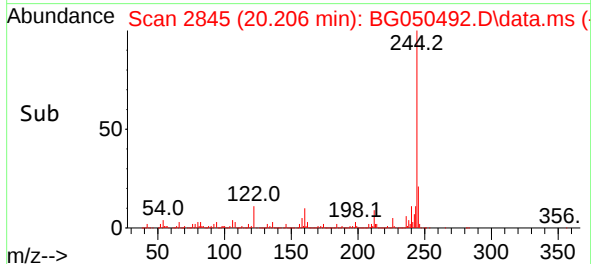
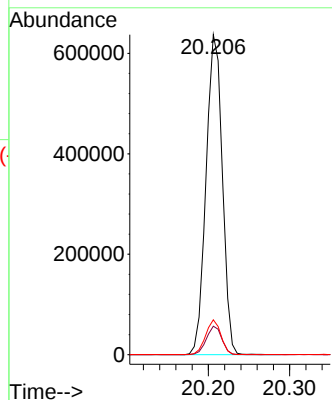
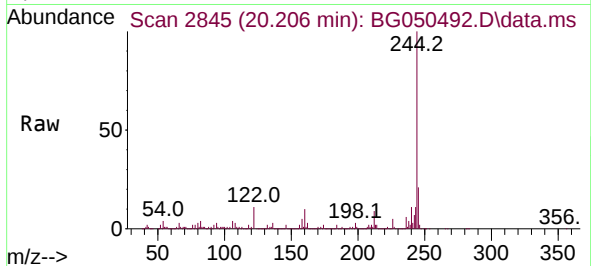




#79  
 Terphenyl-d14  
 Concen: 68.016 ng  
 RT: 20.206 min Scan# 2845  
 Delta R.T. -0.002 min  
 Lab File: BG050492.D  
 Acq: 7 Oct 2021 21:08

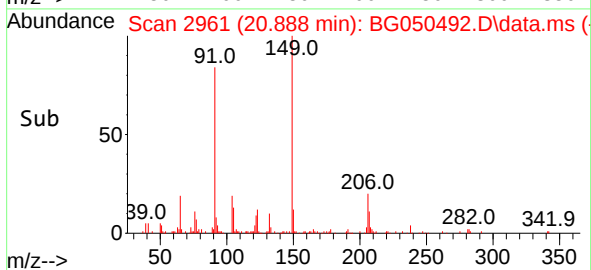
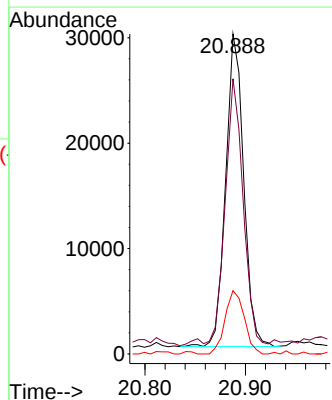
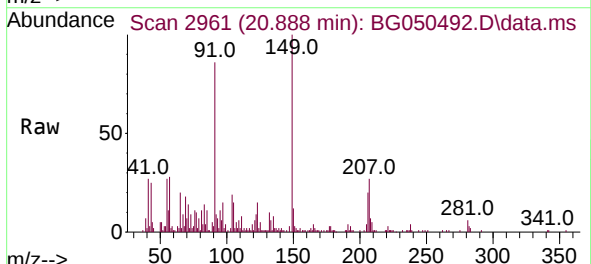
Instrument :  
 BNA\_G  
 ClientSampled :  
 CC-29

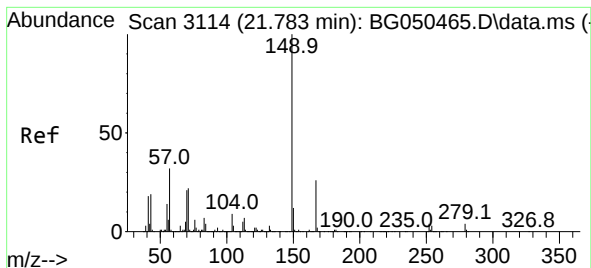
Tgt Ion:244 Resp: 884588  
 Ion Ratio Lower Upper  
 244 100  
 212 8.9 6.9 10.3  
 122 10.9 5.0 7.6#



#80  
 Butylbenzylphthalate  
 Concen: 4.845 ng  
 RT: 20.888 min Scan# 2961  
 Delta R.T. -0.002 min  
 Lab File: BG050492.D  
 Acq: 7 Oct 2021 21:08

Tgt Ion:149 Resp: 36853  
 Ion Ratio Lower Upper  
 149 100  
 91 86.0 63.4 95.2  
 206 19.8 18.4 27.6

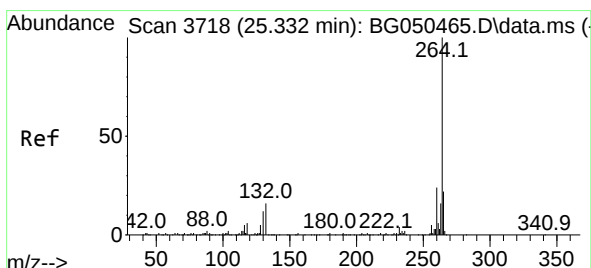
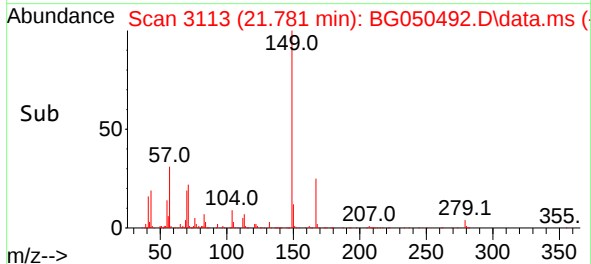
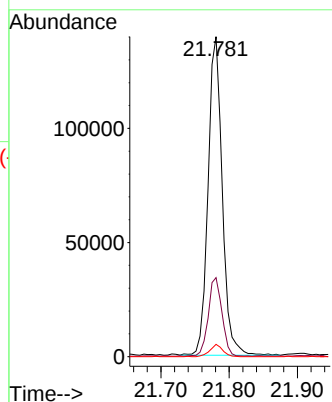
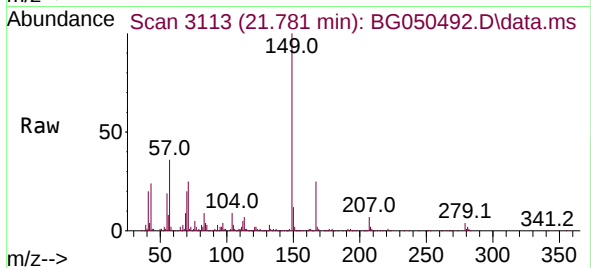




#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 18.708 ng  
 RT: 21.781 min Scan# 3113  
 Delta R.T. -0.002 min  
 Lab File: BG050492.D  
 Acq: 7 Oct 2021 21:08

Instrument :  
 BNA\_G  
 ClientSampled :  
 CC-29

Tgt Ion:149 Resp: 202188  
 Ion Ratio Lower Upper  
 149 100  
 167 24.7 22.3 33.5  
 279 3.8 3.8 5.8#



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 25.329 min Scan# 3717  
 Delta R.T. -0.002 min  
 Lab File: BG050492.D  
 Acq: 7 Oct 2021 21:08

Tgt Ion:264 Resp: 262592  
 Ion Ratio Lower Upper  
 264 100  
 260 24.1 19.4 29.2  
 265 21.8 16.9 25.3

