

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG100821\  
 Data File : BG050507.D  
 Acq On : 8 Oct 2021 13:19  
 Operator : CG/JU  
 Sample : M4077-08  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CC-32

Quant Time: Oct 08 16:19:08 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

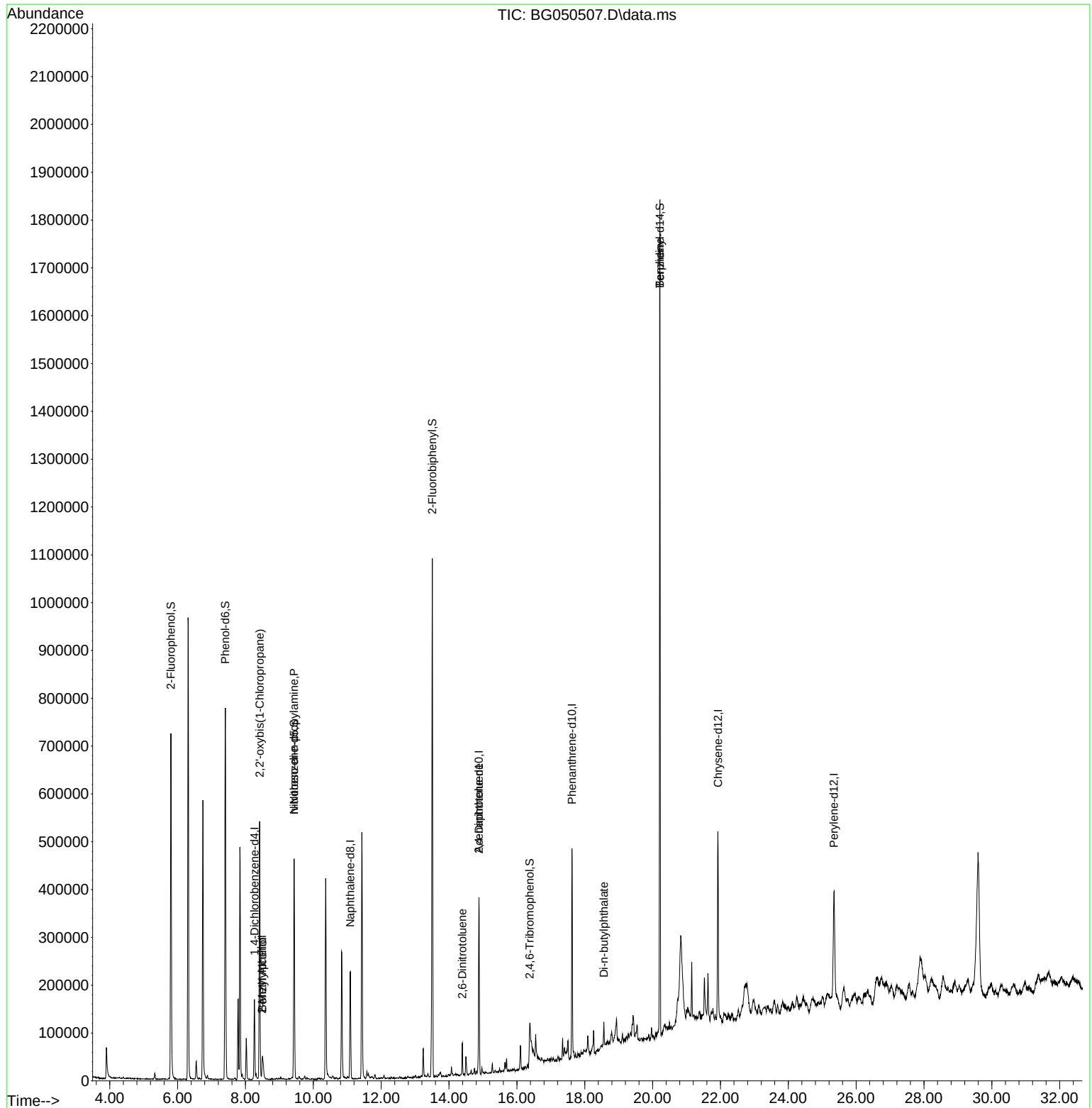
| Compound                      | R.T.   | QIon | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|--------|----------|
| -----                         |        |      |          |           |        |          |
| Internal Standards            |        |      |          |           |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.264  | 152  | 43450    | 20.000    | ng     | 0.00     |
| 21) Naphthalene-d8            | 11.090 | 136  | 186909   | 20.000    | ng     | # 0.00   |
| 39) Acenaphthene-d10          | 14.880 | 164  | 125829   | 20.000    | ng     | 0.00     |
| 64) Phenanthrene-d10          | 17.624 | 188  | 267256   | 20.000    | ng     | # 0.00   |
| 76) Chrysene-d12              | 21.925 | 240  | 232391   | 20.000    | ng     | # 0.00   |
| 86) Perylene-d12              | 25.344 | 264  | 230535   | 20.000    | ng     | 0.01     |
| System Monitoring Compounds   |        |      |          |           |        |          |
| 5) 2-Fluorophenol             | 5.802  | 112  | 339231   | 116.762   | ng     | 0.01     |
| 7) Phenol-d6                  | 7.406  | 99   | 445799   | 105.982   | ng     | 0.01     |
| 23) Nitrobenzene-d5           | 9.434  | 82   | 288289   | 63.849    | ng     | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.378 | 330  | 20472    | 17.057    | ng     | 0.02     |
| 45) 2-Fluorobiphenyl          | 13.505 | 172  | 528998   | 63.273    | ng     | 0.00     |
| 79) Terphenyl-d14             | 20.215 | 244  | 777287   | 65.183    | ng     | 0.00     |
| Target Compounds              |        |      |          |           |        |          |
|                               |        |      |          |           | Qvalue |          |
| 9) Benzaldehyde               | 7.389  | 77   | 6641     | Below Cal | #      | 81       |
| 15) Benzyl Alcohol            | 8.499  | 79   | 19460    | 5.854     | ng     | 92       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.417  | 45   | 24119    | 4.633     | ng     | 73       |
| 17) 2-Methylphenol            | 8.493  | 107  | 9131     | 3.393     | ng     | # 14     |
| 19) n-Nitroso-di-n-propyla... | 9.434  | 70   | 41207    | 13.440    | ng     | # 72     |
| 51) 2,6-Dinitrotoluene        | 14.392 | 165  | 9206     | 4.833     | ng     | # 16     |
| 57) 2,4-Dinitrotoluene        | 14.880 | 165  | 16314    | 6.076     | ng     | # 18     |
| 74) Di-n-butylphthalate       | 18.564 | 149  | 36465    | 2.228     | ng     | 98       |
| 77) Benzidine                 | 20.215 | 184  | 16211    | 2.152     | ng     | # 95     |
| -----                         |        |      |          |           |        |          |

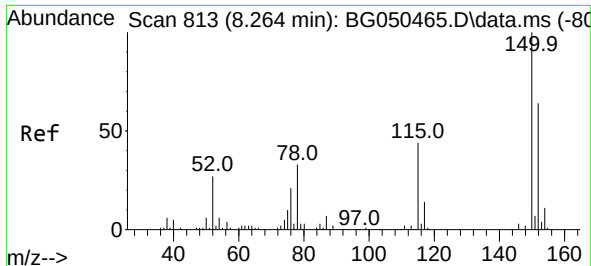
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

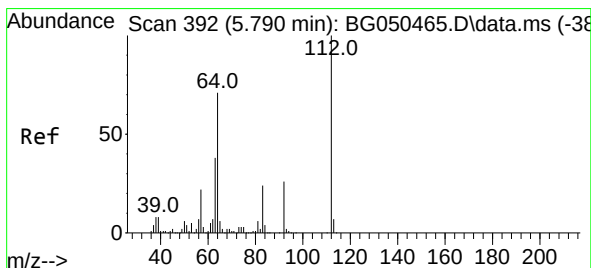
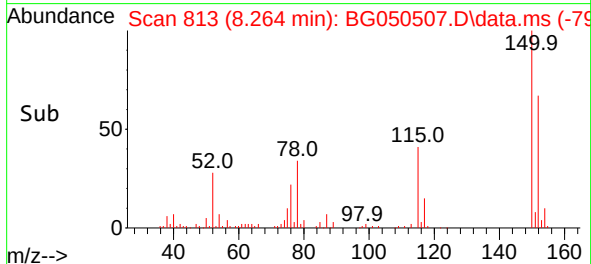
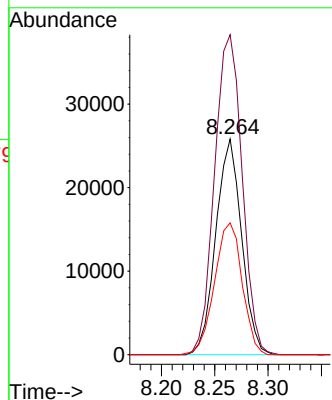
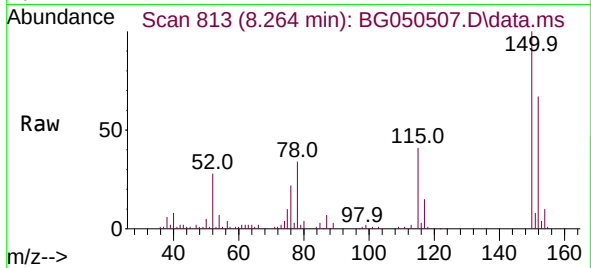




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.264 min Scan# 813  
Delta R.T. 0.000 min  
Lab File: BG050507.D  
Acq: 8 Oct 2021 13:19

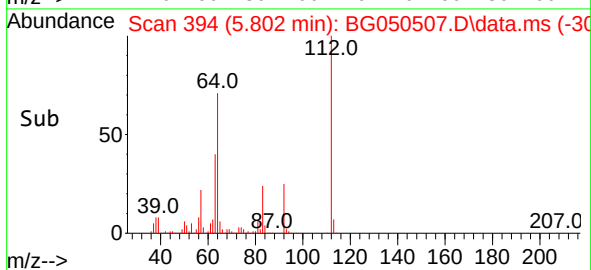
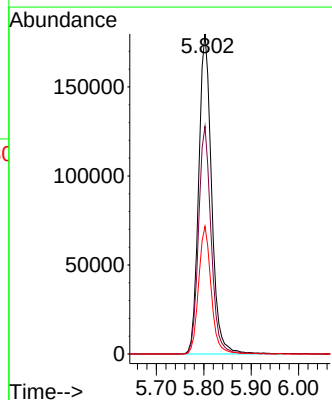
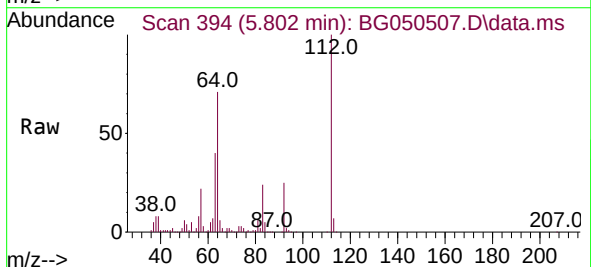
Instrument :  
BNA\_G  
ClientSampleId :  
CC-32

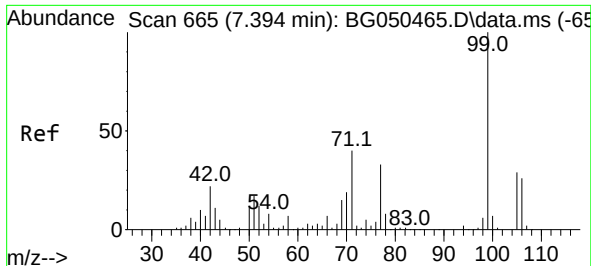
Tgt Ion:152 Resp: 43450  
Ion Ratio Lower Upper  
152 100  
150 148.4 119.4 179.0  
115 61.1 60.2 90.4



#5  
2-Fluorophenol  
Concen: 116.762 ng  
RT: 5.802 min Scan# 394  
Delta R.T. 0.012 min  
Lab File: BG050507.D  
Acq: 8 Oct 2021 13:19

Tgt Ion:112 Resp: 339231  
Ion Ratio Lower Upper  
112 100  
64 71.2 46.7 70.1#  
63 39.9 35.3 52.9

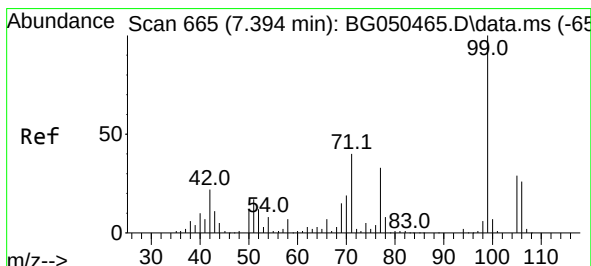
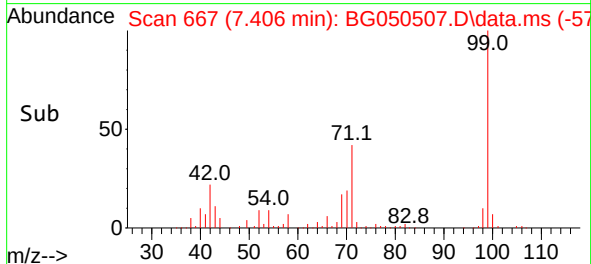
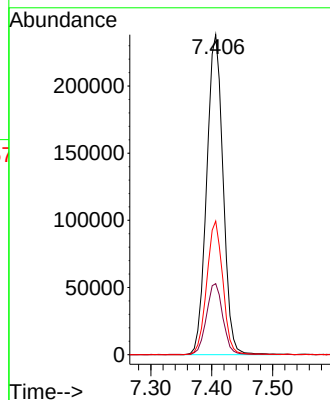
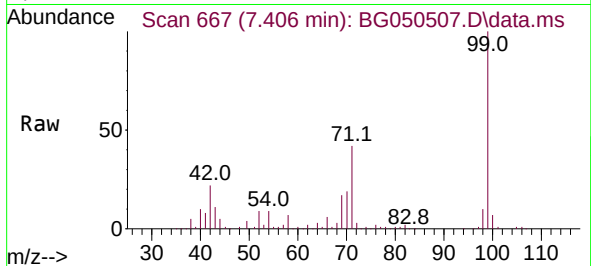




#7  
Phenol-d6  
Concen: 105.982 ng  
RT: 7.406 min Scan# 667  
Delta R.T. 0.012 min  
Lab File: BG050507.D  
Acq: 8 Oct 2021 13:19

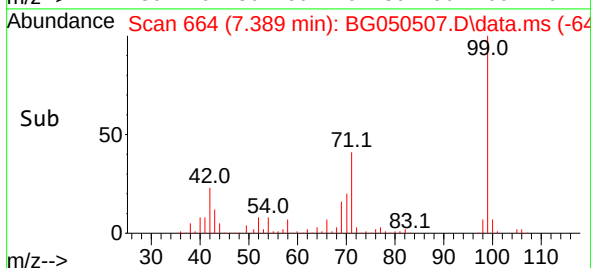
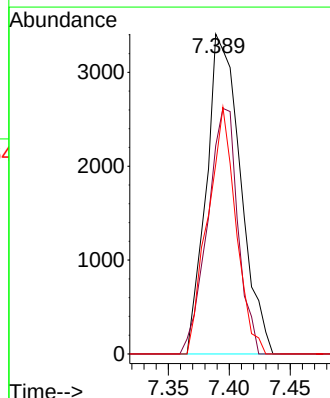
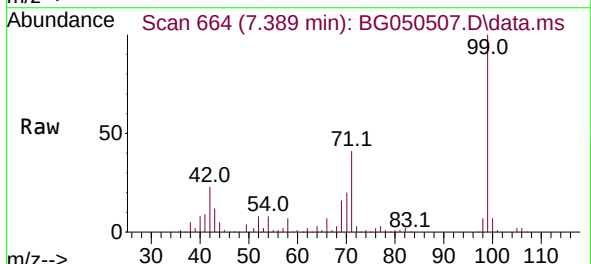
Instrument :  
BNA\_G  
ClientSampleId :  
CC-32

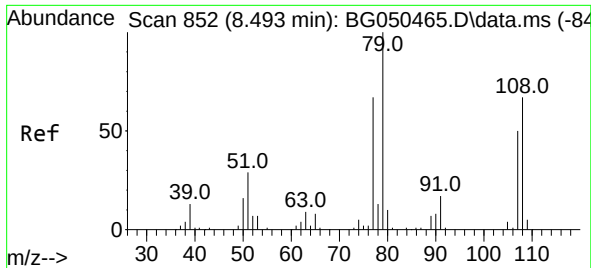
Tgt Ion: 99 Resp: 445799  
Ion Ratio Lower Upper  
99 100  
42 22.2 20.5 30.7  
71 41.7 41.5 62.3



#9  
Benzaldehyde  
Concen: Below Cal  
RT: 7.389 min Scan# 664  
Delta R.T. -0.005 min  
Lab File: BG050507.D  
Acq: 8 Oct 2021 13:19

Tgt Ion: 77 Resp: 6641  
Ion Ratio Lower Upper  
77 100  
105 65.1 68.8 108.8#  
106 59.3 47.9 87.9

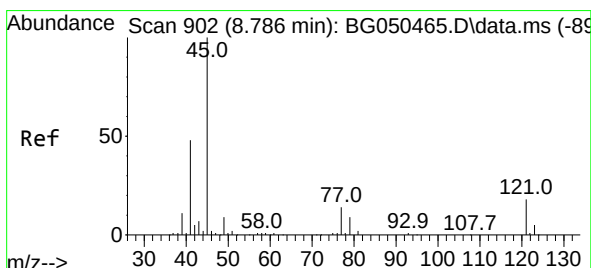
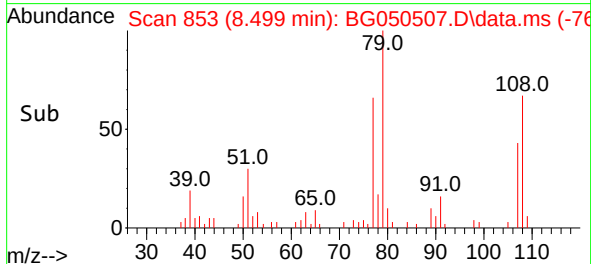
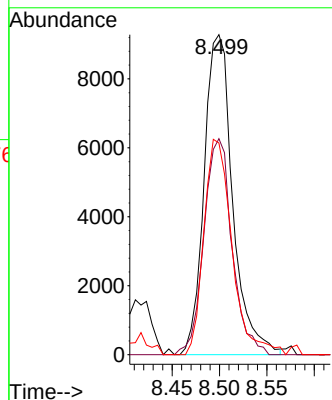
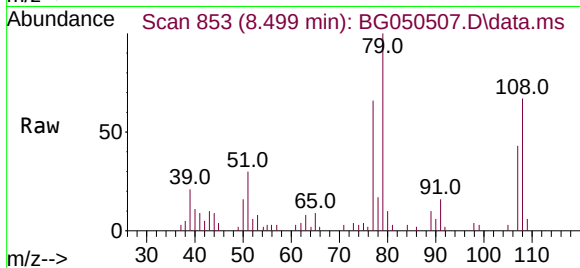




#15  
Benzyl Alcohol  
Concen: 5.854 ng  
RT: 8.499 min Scan# 853  
Delta R.T. 0.007 min  
Lab File: BG050507.D  
Acq: 8 Oct 2021 13:19

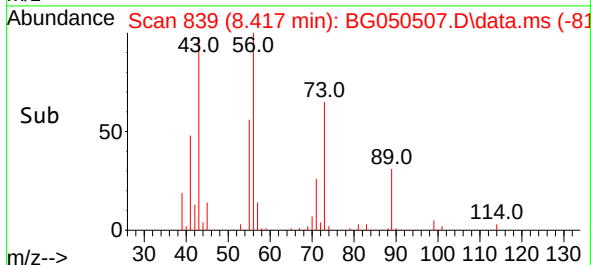
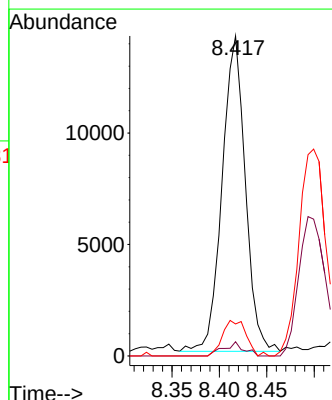
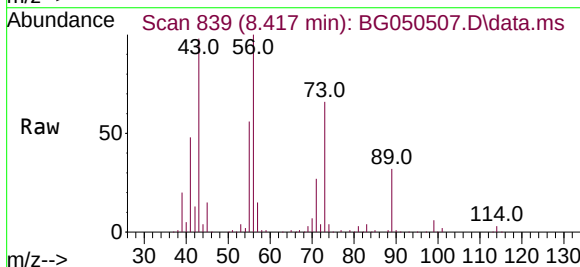
Instrument :  
BNA\_G  
ClientSampled :  
CC-32

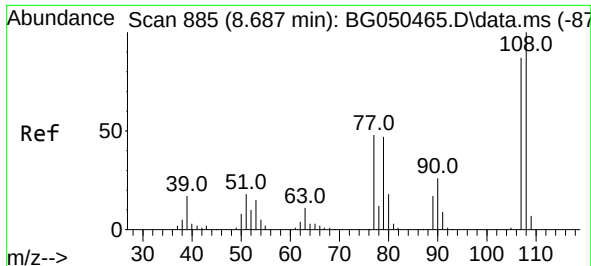
Tgt Ion: 79 Resp: 19460  
Ion Ratio Lower Upper  
79 100  
108 67.5 48.2 72.4  
77 66.1 57.3 85.9



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 4.633 ng  
RT: 8.417 min Scan# 839  
Delta R.T. -0.369 min  
Lab File: BG050507.D  
Acq: 8 Oct 2021 13:19

Tgt Ion: 45 Resp: 24119  
Ion Ratio Lower Upper  
45 100  
77 4.5 2.2 42.2  
79 10.0 0.0 34.3





#17

2-Methylphenol

Concen: 3.393 ng

RT: 8.493 min Scan# 852

Delta R.T. -0.193 min

Lab File: BG050507.D

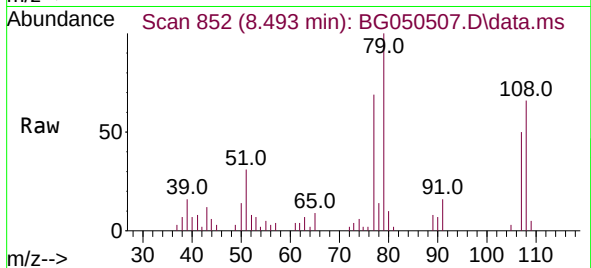
Acq: 8 Oct 2021 13:19

Instrument :

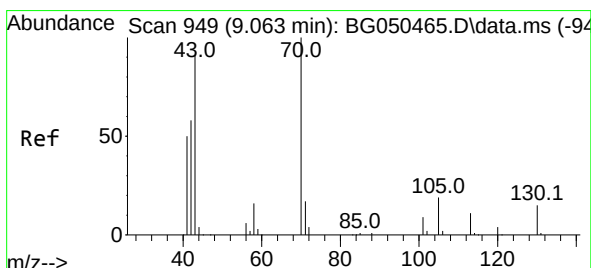
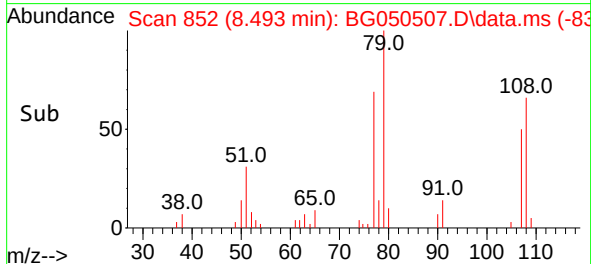
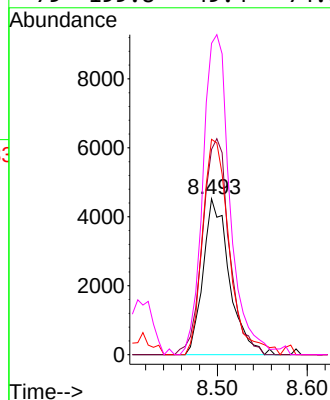
BNA\_G

ClientSampled :

CC-32



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 9131   |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 131.7 | 84.6  | 127.0# |
| 77       | 138.2 | 50.7  | 76.1#  |
| 79       | 199.8 | 49.4  | 74.0#  |



#19

n-Nitroso-di-n-propylamine

Concen: 13.440 ng

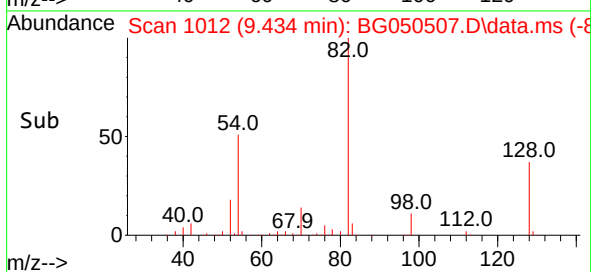
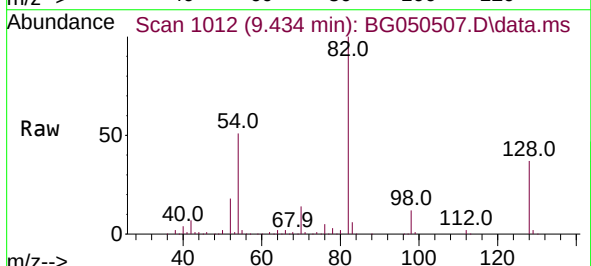
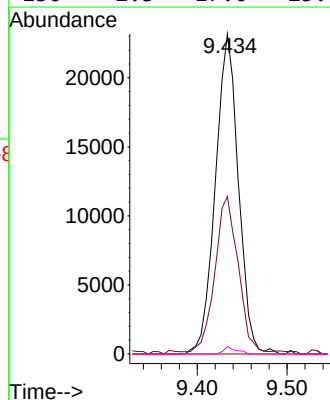
RT: 9.434 min Scan# 1012

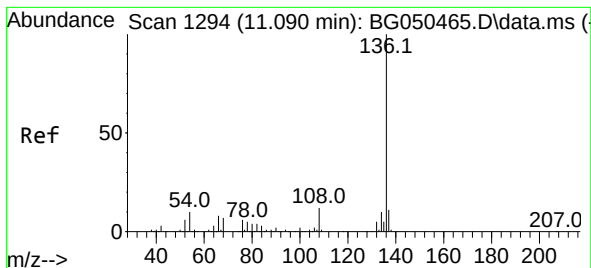
Delta R.T. 0.371 min

Lab File: BG050507.D

Acq: 8 Oct 2021 13:19

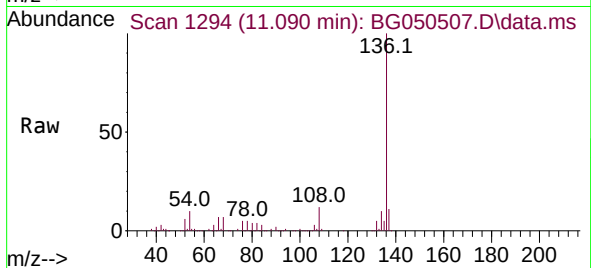
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 70    | Resp: | 41207 |
| Ion      | Ratio | Lower | Upper |
| 70       | 100   |       |       |
| 42       | 49.2  | 54.5  | 81.7# |
| 101      | 0.0   | 9.0   | 13.6# |
| 130      | 2.3   | 17.0  | 25.6# |



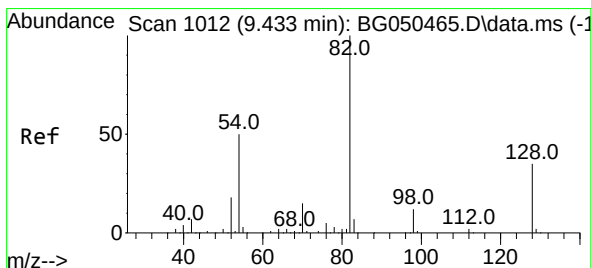
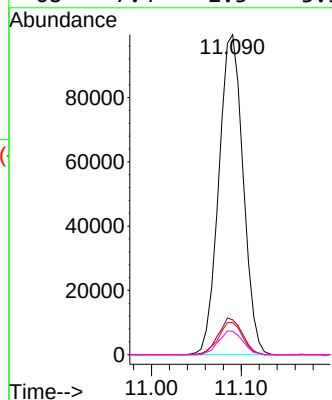
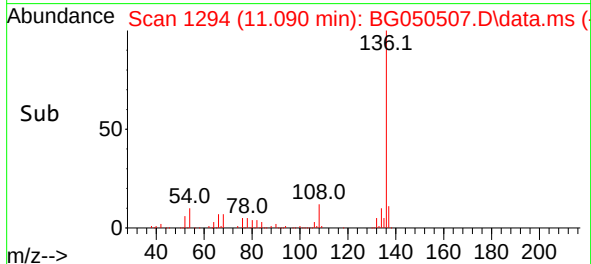


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.090 min Scan# 1294  
Delta R.T. 0.001 min  
Lab File: BG050507.D  
Acq: 8 Oct 2021 13:19

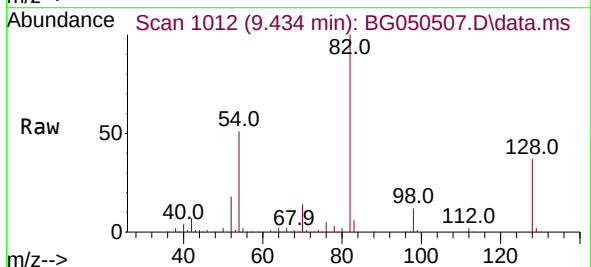
Instrument :  
BNA\_G  
ClientSampleId :  
CC-32



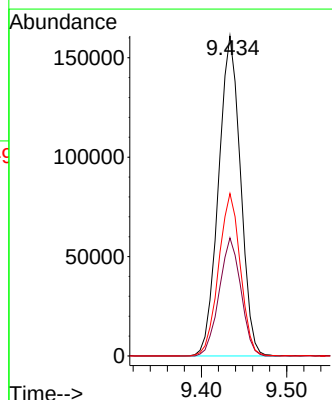
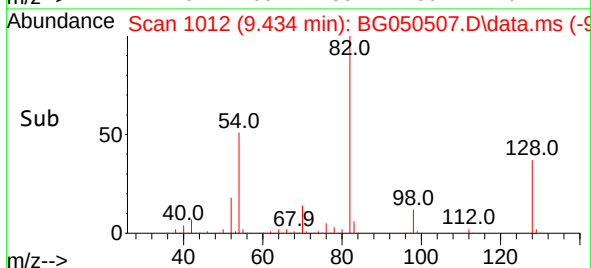
Tgt Ion:136 Resp: 186909  
Ion Ratio Lower Upper  
136 100  
137 10.9 8.2 12.2  
54 10.0 5.5 8.3#  
68 7.4 2.3 3.5#

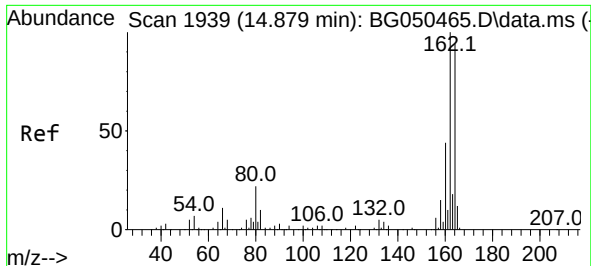


#23  
Nitrobenzene-d5  
Concen: 63.849 ng  
RT: 9.434 min Scan# 1012  
Delta R.T. 0.001 min  
Lab File: BG050507.D  
Acq: 8 Oct 2021 13:19



Tgt Ion: 82 Resp: 288289  
Ion Ratio Lower Upper  
82 100  
128 36.9 29.8 44.6  
54 50.8 45.8 68.8

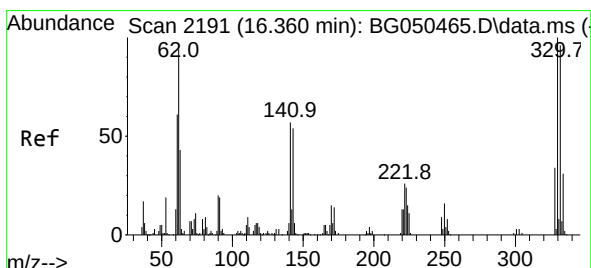
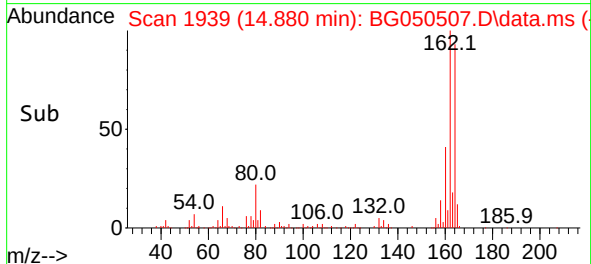
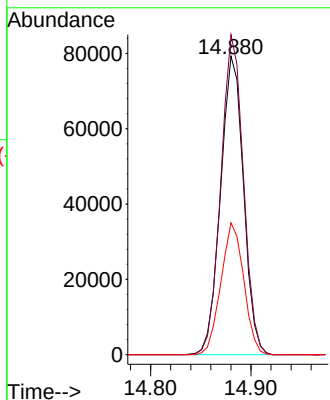
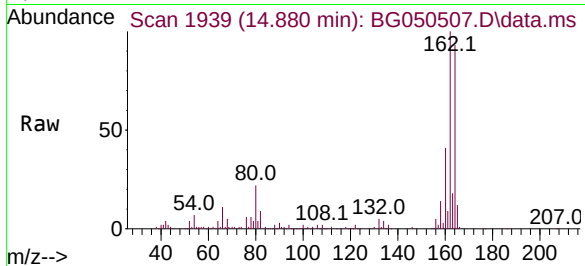




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.880 min Scan# 1939  
Delta R.T. 0.001 min  
Lab File: BG050507.D  
Acq: 8 Oct 2021 13:19

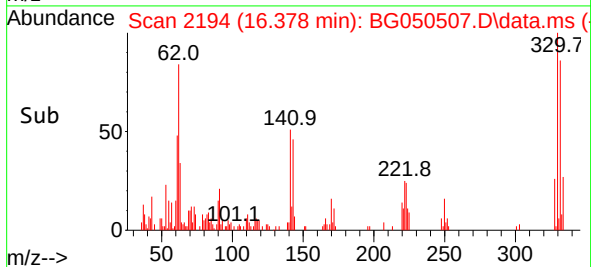
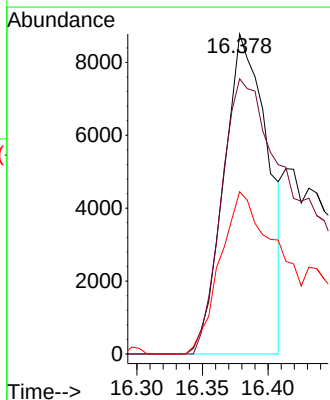
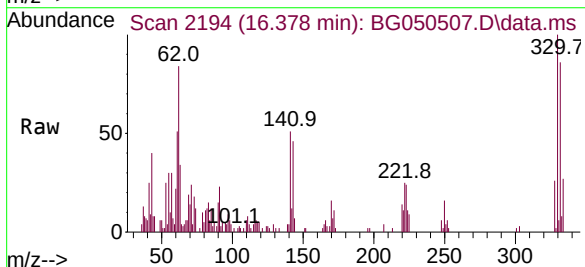
Instrument :  
BNA\_G  
ClientSampleId :  
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Tgt Ion:164 Resp: 125829  
Ion Ratio Lower Upper  
164 100  
162 107.2 81.4 122.0  
160 44.1 34.9 52.3

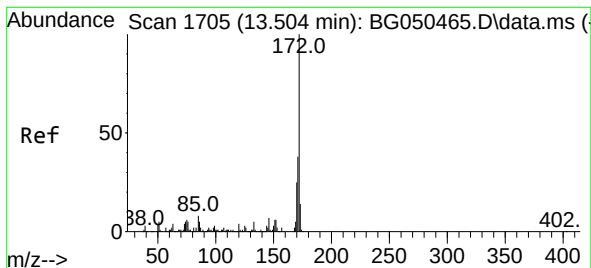


#42  
2,4,6-Tribromophenol  
Concen: 17.057 ng  
RT: 16.378 min Scan# 2194  
Delta R.T. 0.018 min  
Lab File: BG050507.D  
Acq: 8 Oct 2021 13:19

Tgt Ion:330 Resp: 20472  
Ion Ratio Lower Upper  
330 100  
332 160.6 77.3 115.9#  
141 68.1 35.6 53.4#



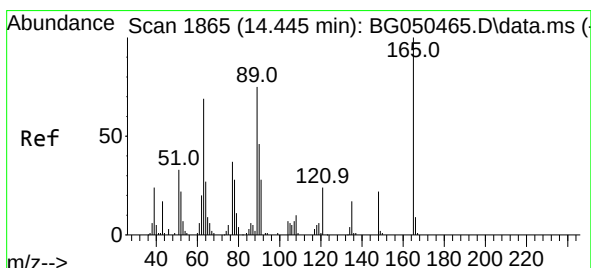
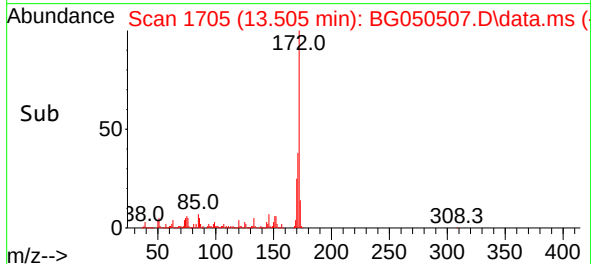
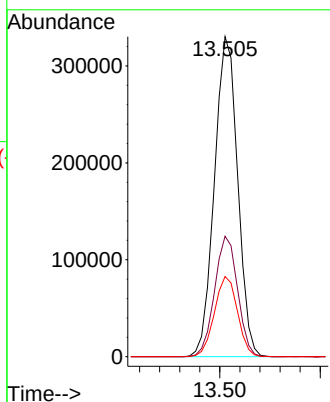
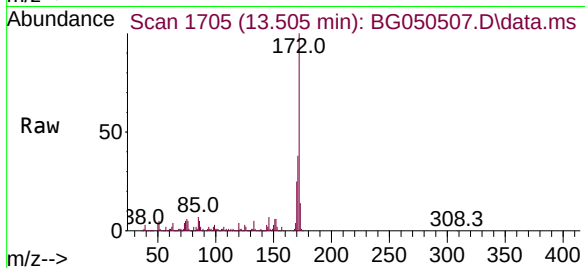




#45  
2-Fluorobiphenyl  
Concen: 63.273 ng  
RT: 13.505 min Scan# 1705  
Delta R.T. 0.001 min  
Lab File: BG050507.D  
Acq: 8 Oct 2021 13:19

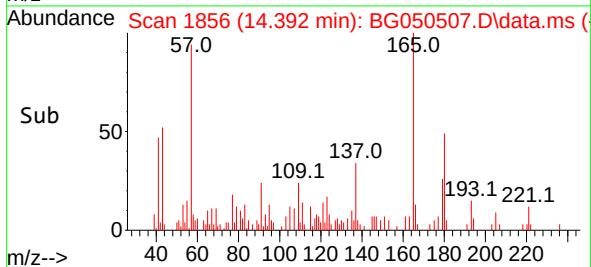
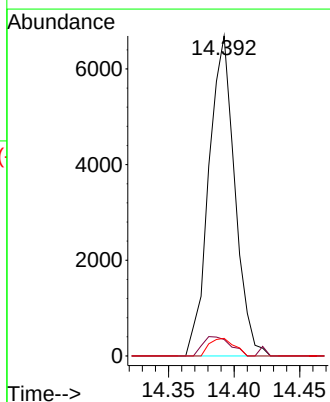
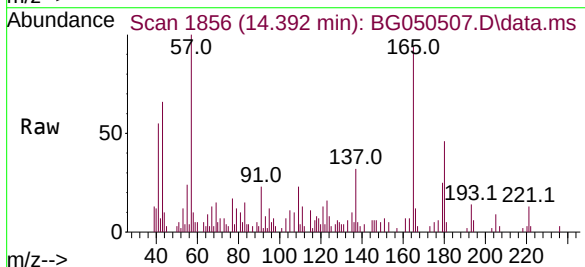
Instrument :  
BNA\_G  
ClientSampleId :  
CC-32

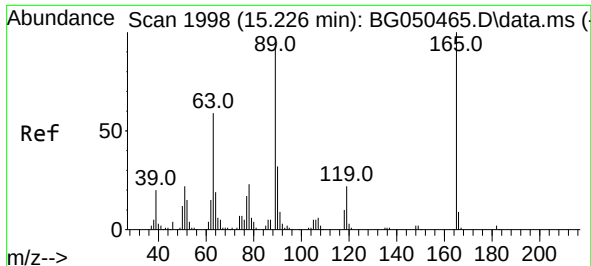
Tgt Ion:172 Resp: 528998  
Ion Ratio Lower Upper  
172 100  
171 37.7 28.6 43.0  
170 25.1 18.6 27.8



#51  
2,6-Dinitrotoluene  
Concen: 4.833 ng  
RT: 14.392 min Scan# 1856  
Delta R.T. -0.052 min  
Lab File: BG050507.D  
Acq: 8 Oct 2021 13:19

Tgt Ion:165 Resp: 9206  
Ion Ratio Lower Upper  
165 100  
63 5.1 63.3 94.9#  
89 5.5 63.4 95.0#

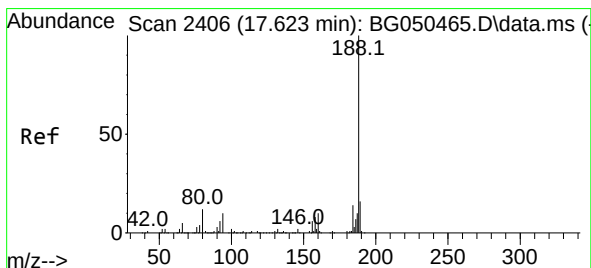
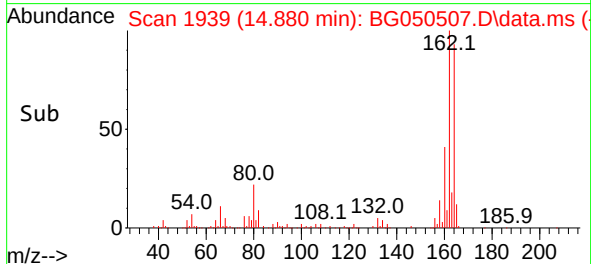
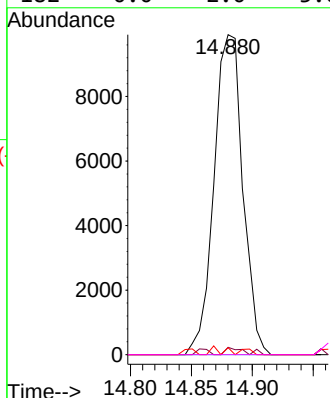
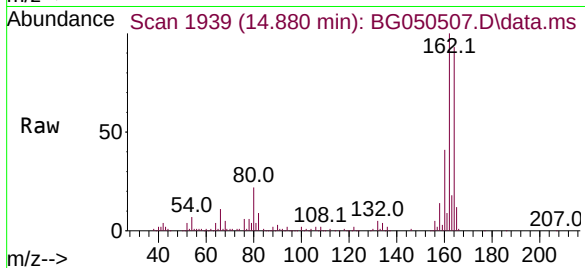




#57  
2,4-Dinitrotoluene  
Concen: 6.076 ng  
RT: 14.880 min Scan# 1939  
Delta R.T. -0.346 min  
Lab File: BG050507.D  
Acq: 8 Oct 2021 13:19

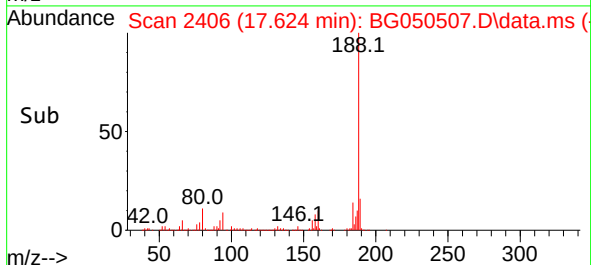
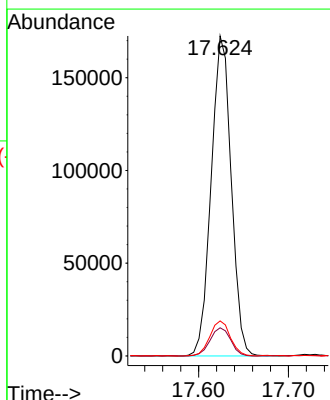
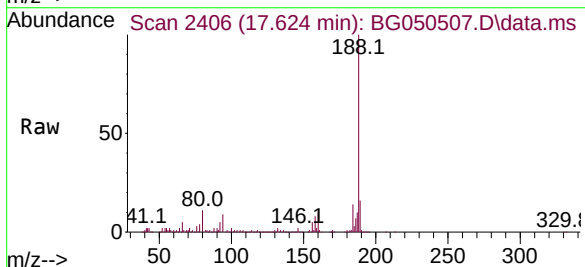
Instrument :  
BNA\_G  
ClientSampled :  
CC-32

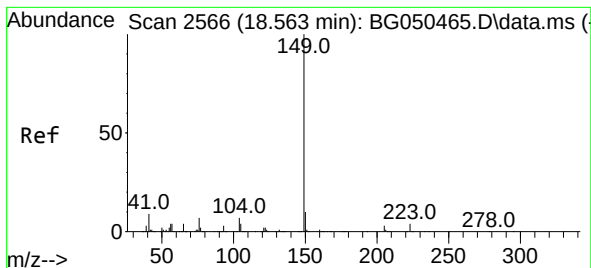
Tgt Ion:165 Resp: 16314  
Ion Ratio Lower Upper  
165 100  
63 2.3 48.0 72.0#  
89 2.2 65.4 98.0#  
182 0.0 2.0 3.0#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.624 min Scan# 2406  
Delta R.T. 0.001 min  
Lab File: BG050507.D  
Acq: 8 Oct 2021 13:19

Tgt Ion:188 Resp: 267256  
Ion Ratio Lower Upper  
188 100  
94 8.8 5.4 8.0#  
80 11.0 3.7 5.5#

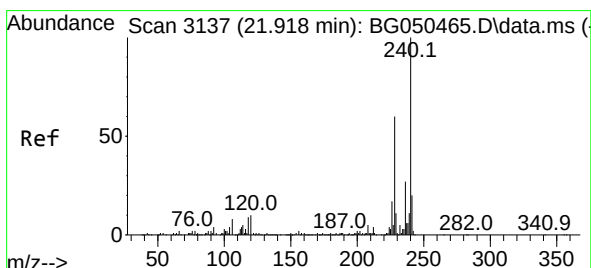
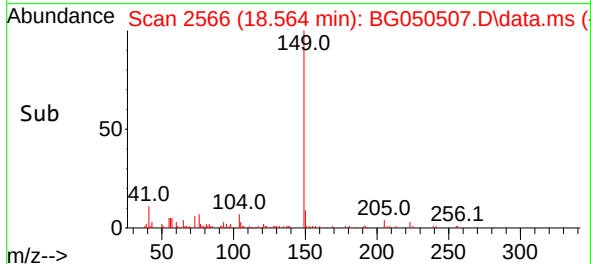
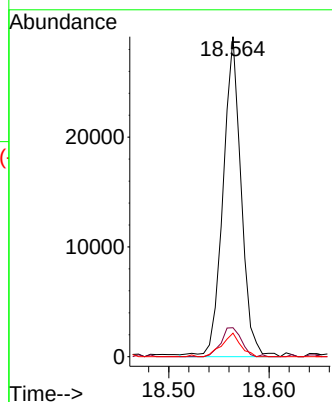
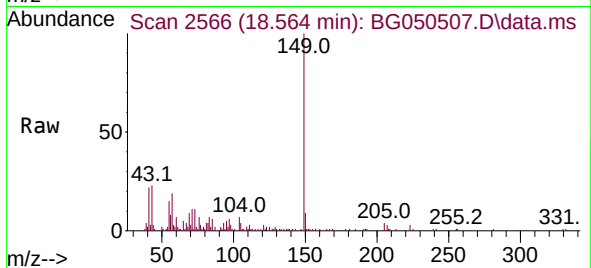




#74  
Di-n-butylphthalate  
Concen: 2.228 ng  
RT: 18.564 min Scan# 2566  
Delta R.T. 0.001 min  
Lab File: BG050507.D  
Acq: 8 Oct 2021 13:19

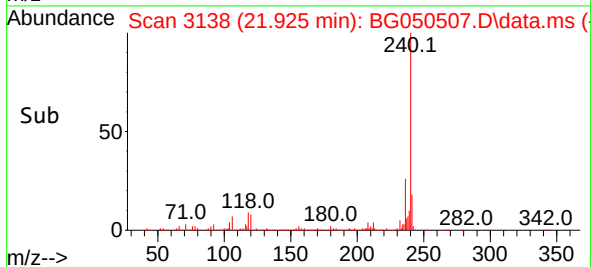
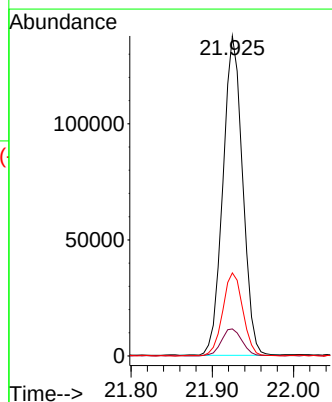
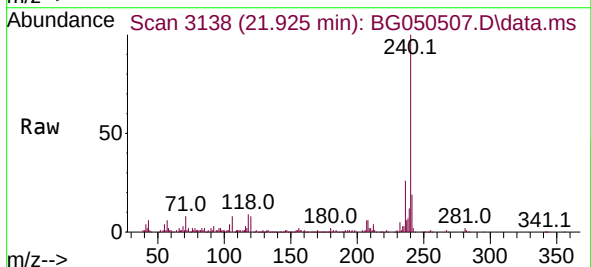
Instrument :  
BNA\_G  
ClientSampleId :  
CC-32

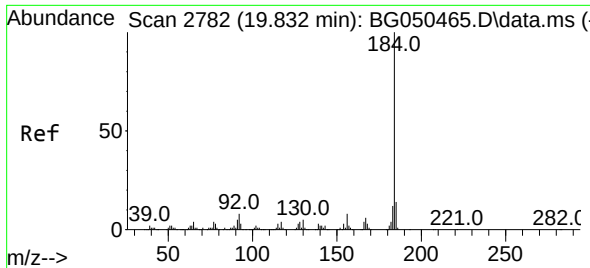
Tgt Ion:149 Resp: 36465  
Ion Ratio Lower Upper  
149 100  
150 9.0 7.5 11.3  
104 7.3 6.6 10.0



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.925 min Scan# 3138  
Delta R.T. 0.007 min  
Lab File: BG050507.D  
Acq: 8 Oct 2021 13:19

Tgt Ion:240 Resp: 232391  
Ion Ratio Lower Upper  
240 100  
120 8.5 4.2 6.2#  
236 25.9 21.8 32.6

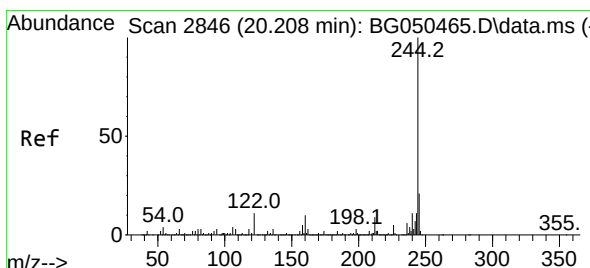
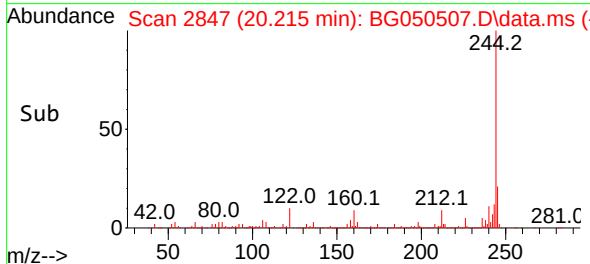
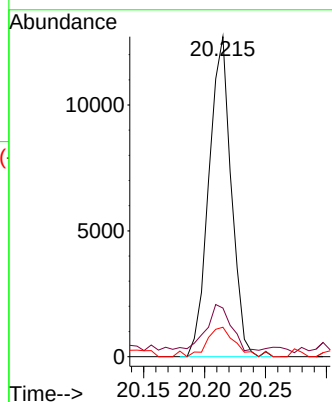
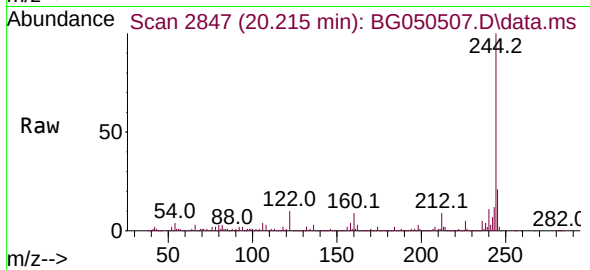




#77  
Benzidine  
Concen: 2.152 ng  
RT: 20.215 min Scan# 2847  
Delta R.T. 0.383 min  
Lab File: BG050507.D  
Acq: 8 Oct 2021 13:19

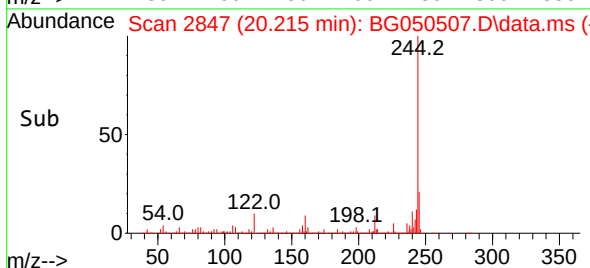
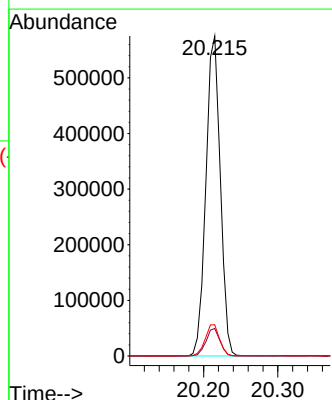
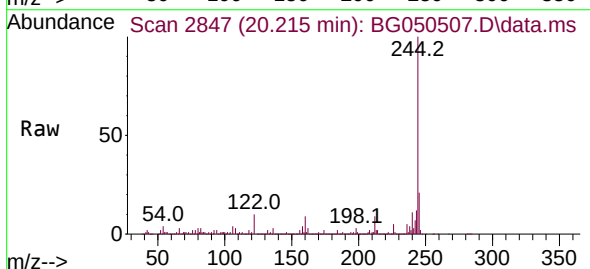
Instrument :  
BNA\_G  
ClientSampleId :  
CC-32

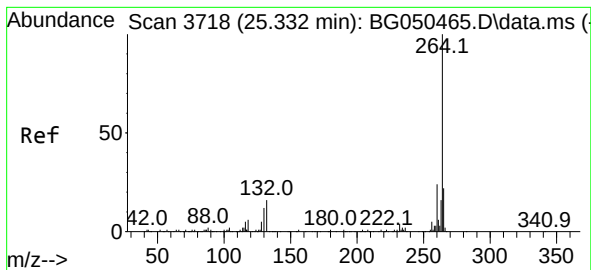
Tgt Ion:184 Resp: 16211  
Ion Ratio Lower Upper  
184 100  
185 15.2 10.7 16.1  
183 9.2 9.4 14.0#



#79  
Terphenyl-d14  
Concen: 65.183 ng  
RT: 20.215 min Scan# 2847  
Delta R.T. 0.007 min  
Lab File: BG050507.D  
Acq: 8 Oct 2021 13:19

Tgt Ion:244 Resp: 777287  
Ion Ratio Lower Upper  
244 100  
212 8.6 6.9 10.3  
122 9.8 5.0 7.6#





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 25.344 min Scan# 3720  
 Delta R.T. 0.012 min  
 Lab File: BG050507.D  
 Acq: 8 Oct 2021 13:19

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CC-32

|             |              |       |      |
|-------------|--------------|-------|------|
| Tgt Ion:264 | Resp: 230535 |       |      |
| Ion Ratio   | Lower        | Upper |      |
| 264         | 100          |       |      |
| 260         | 23.7         | 19.4  | 29.2 |
| 265         | 21.8         | 16.9  | 25.3 |

