

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG081721\  
 Data File : BG049881.D  
 Acq On : 17 Aug 2021 17:08  
 Operator : CG/JU  
 Sample : M3431-05  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 5

Quant Time: Aug 17 18:06:25 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG080321.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 16 18:23:02 2021  
 Response via : Initial Calibration

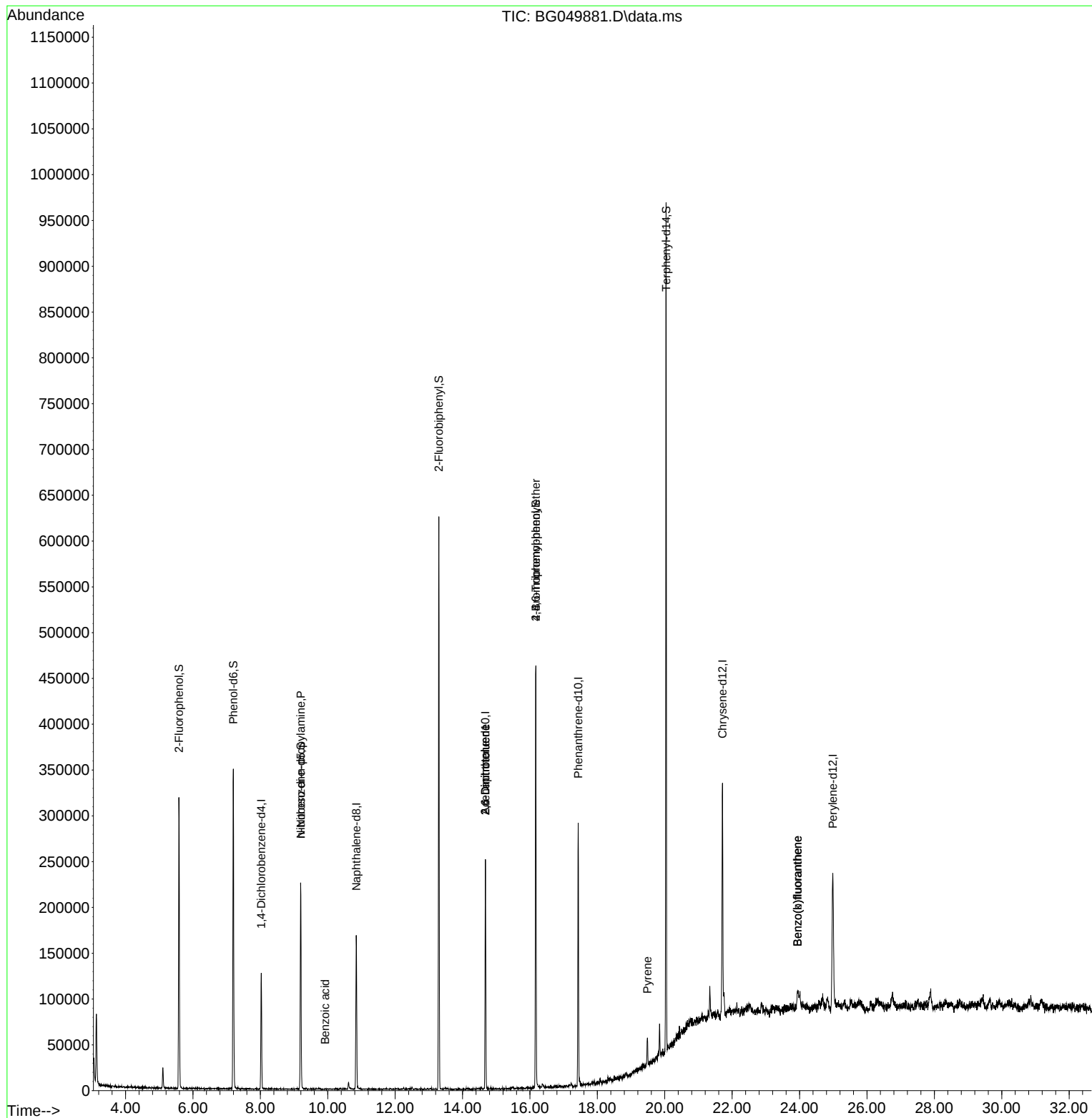
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.027  | 152  | 33588    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.846 | 136  | 140041   | 20.000 | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.676 | 164  | 89863    | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.432 | 188  | 177106   | 20.000 | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.714 | 240  | 150535   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 24.986 | 264  | 161909   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.583  | 112  | 133667   | 71.339 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.198  | 99   | 193826   | 68.338 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.196  | 82   | 141047   | 44.569 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.174 | 330  | 89536    | 67.786 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.296 | 172  | 306293   | 49.595 | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.040 | 244  | 417693   | 50.395 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 9.196  | 70   | 21042    | 11.086 | ng    | # 67     |
| 32) Benzoic acid              | 9.918  | 122  | 56       | 4.984  | ng    | # 1      |
| 51) 2,6-Dinitrotoluene        | 14.676 | 165  | 11415    | 7.647  | ng    | # 13     |
| 57) 2,4-Dinitrotoluene        | 14.676 | 165  | 11415    | 5.444  | ng    | # 19     |
| 67) 4-Bromophenyl-phenylether | 16.174 | 248  | 5770     | 2.766  | ng    | # 1      |
| 78) Pyrene                    | 19.488 | 202  | 21328    | 2.078  | ng    | 93       |
| 88) Benzo(b)fluoranthene      | 23.940 | 252  | 30111    | 2.836  | ng    | # 92     |
| 89) Benzo(k)fluoranthene      | 23.940 | 252  | 30111    | 3.040  | ng    | # 96     |
| -----                         |        |      |          |        |       |          |

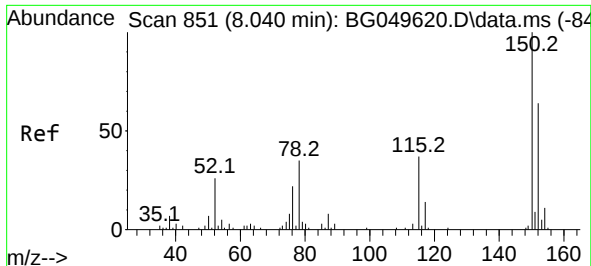
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG081721\  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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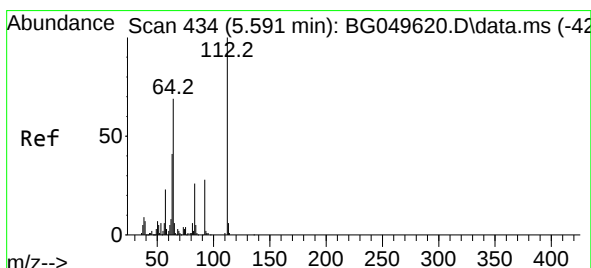
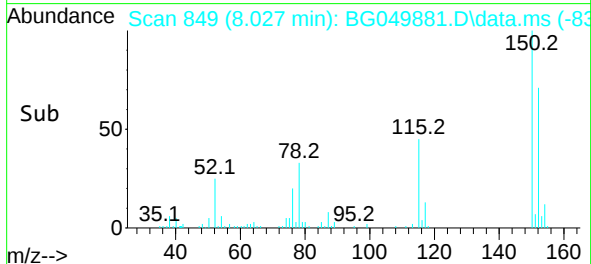
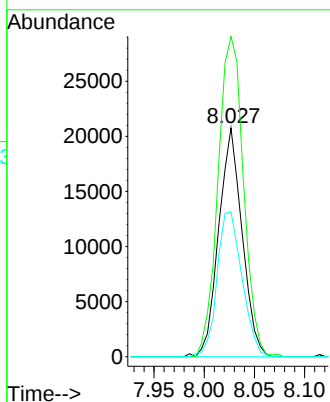
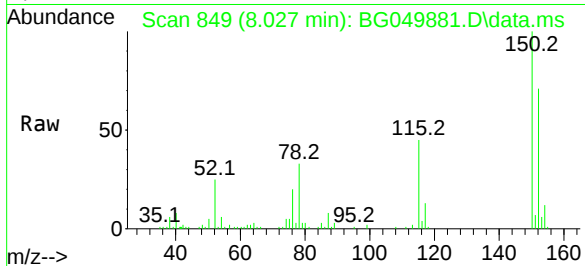




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.027 min Scan# 849  
 Delta R.T. -0.001 min  
 Lab File: BG049881.D  
 Acq: 17 Aug 2021 17:08

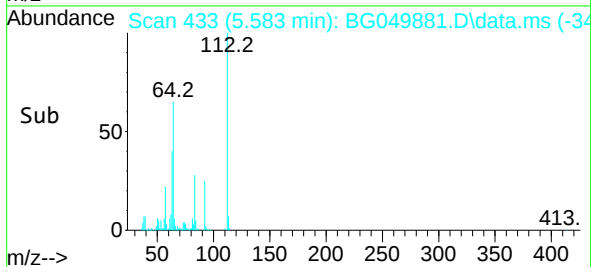
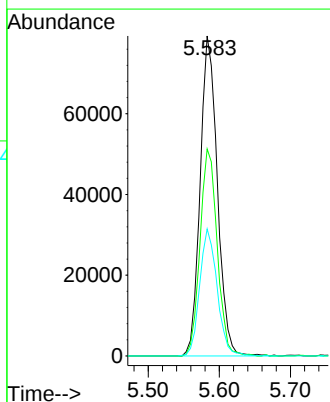
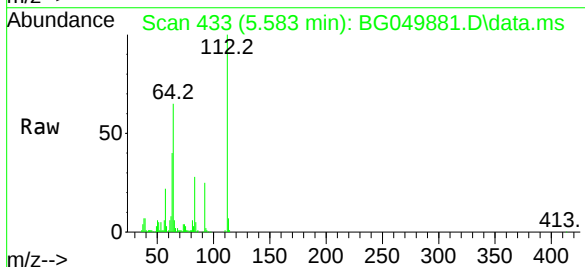
Instrument :  
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 ClientSampleId :  
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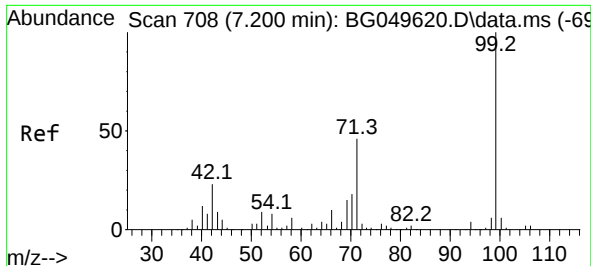
Tgt Ion:152 Resp: 33588  
 Ion Ratio Lower Upper  
 152 100  
 150 140.0 119.4 179.0  
 115 63.3 60.2 90.4



#5  
 2-Fluorophenol  
 Concen: 71.339 ng  
 RT: 5.583 min Scan# 433  
 Delta R.T. 0.005 min  
 Lab File: BG049881.D  
 Acq: 17 Aug 2021 17:08

Tgt Ion:112 Resp: 133667  
 Ion Ratio Lower Upper  
 112 100  
 64 64.7 46.7 70.1  
 63 39.7 35.3 52.9

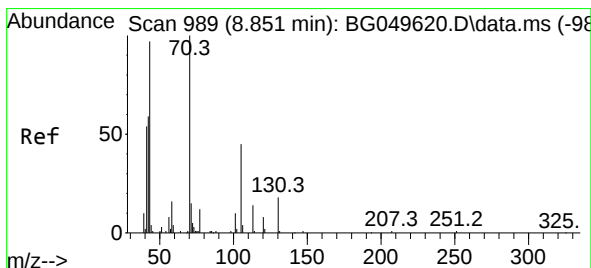
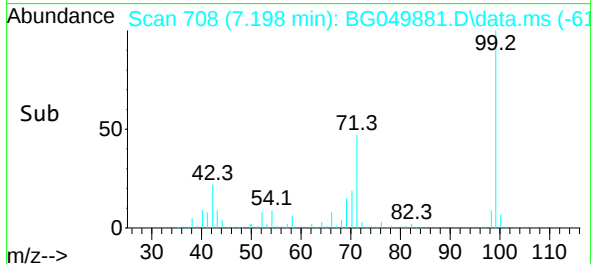
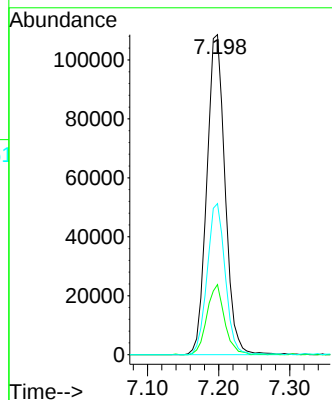
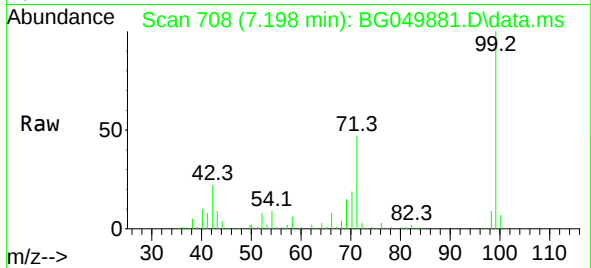




#7  
Phenol-d6  
Concen: 68.338 ng  
RT: 7.198 min Scan# 708  
Delta R.T. 0.005 min  
Lab File: BG049881.D  
Acq: 17 Aug 2021 17:08

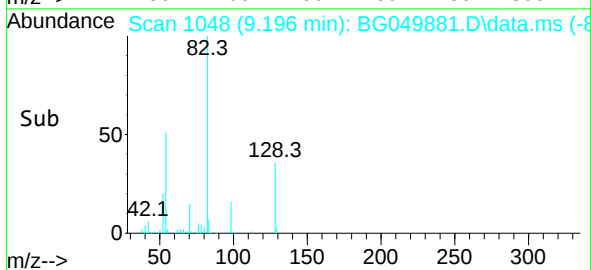
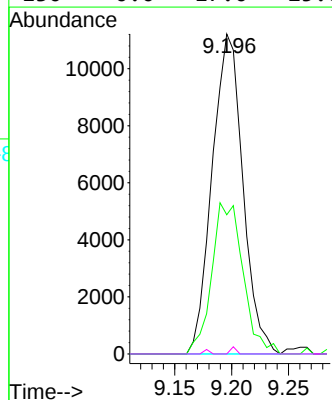
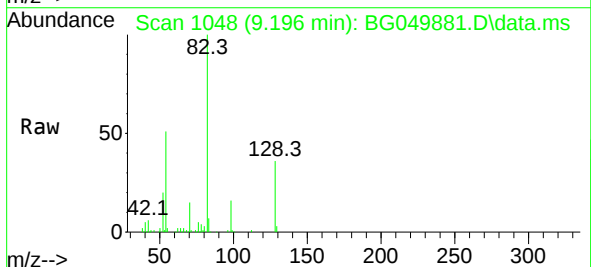
Instrument :  
BNA\_G  
ClientSampled :  
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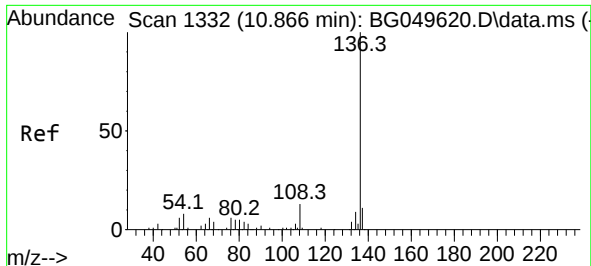
Tgt Ion: 99 Resp: 193826  
Ion Ratio Lower Upper  
99 100  
42 21.9 20.5 30.7  
71 47.2 41.5 62.3



#19  
n-Nitroso-di-n-propylamine  
Concen: 11.086 ng  
RT: 9.196 min Scan# 1048  
Delta R.T. 0.357 min  
Lab File: BG049881.D  
Acq: 17 Aug 2021 17:08

Tgt Ion: 70 Resp: 21042  
Ion Ratio Lower Upper  
70 100  
42 43.5 54.5 81.7#  
101 0.0 9.0 13.6#  
130 0.0 17.0 25.6#

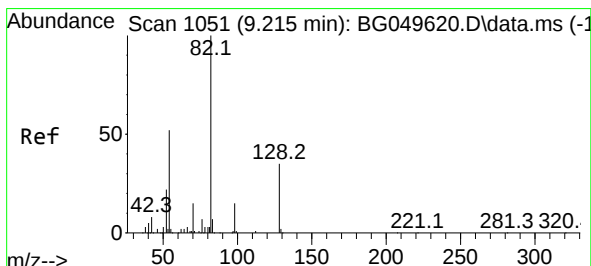
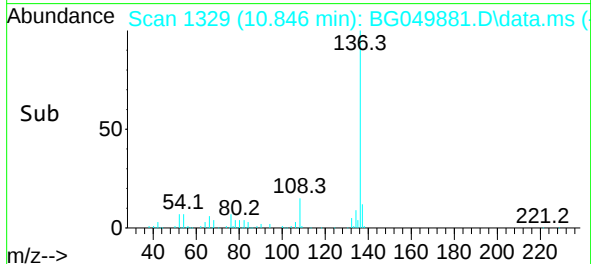
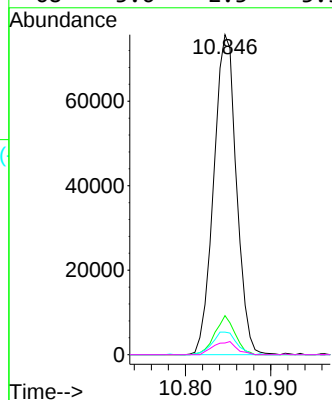
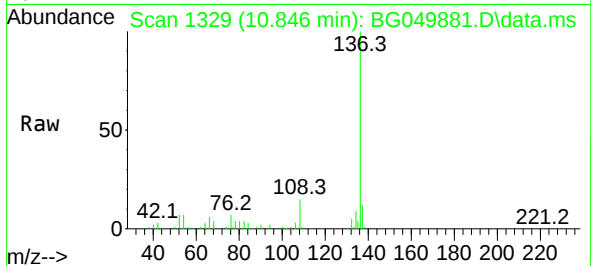




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.846 min Scan# 1329  
Delta R.T. -0.001 min  
Lab File: BG049881.D  
Acq: 17 Aug 2021 17:08

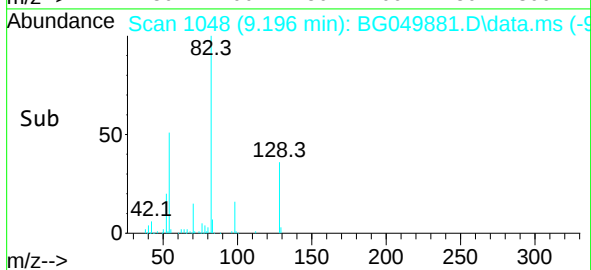
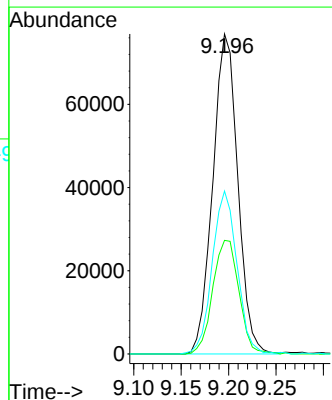
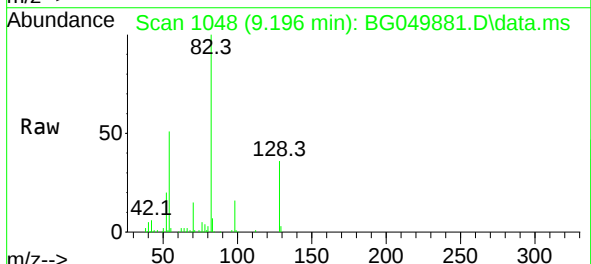
Instrument :  
BNA\_G  
ClientSampleId :  
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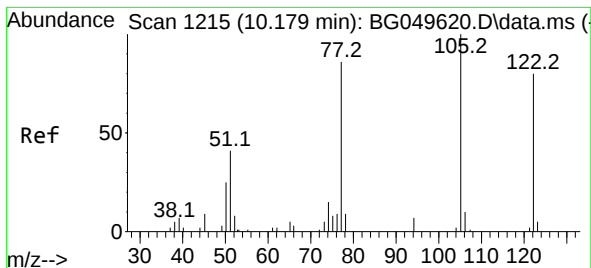
|             |       |          |
|-------------|-------|----------|
| Tgt Ion:136 | Resp: | 140041   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 12.2  | 8.2 12.2 |
| 54          | 7.1   | 5.5 8.3  |
| 68          | 3.6   | 2.3 3.5# |



#23  
Nitrobenzene-d5  
Concen: 44.569 ng  
RT: 9.196 min Scan# 1048  
Delta R.T. -0.001 min  
Lab File: BG049881.D  
Acq: 17 Aug 2021 17:08

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 82 | Resp: | 141047    |
| Ion Ratio   | Lower | Upper     |
| 82          | 100   |           |
| 128         | 35.5  | 29.8 44.6 |
| 54          | 50.9  | 45.8 68.8 |

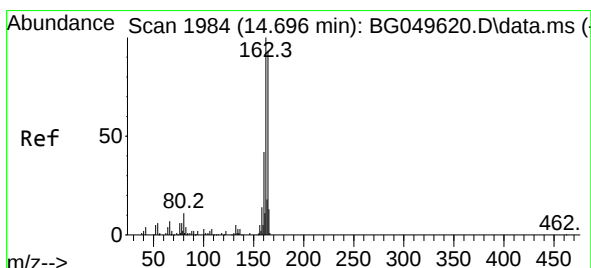
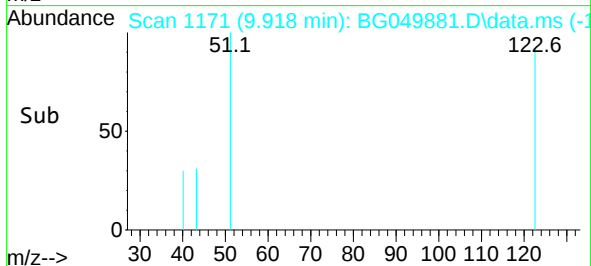
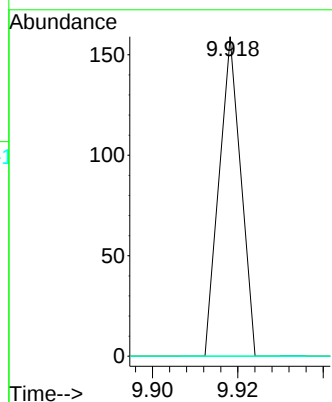
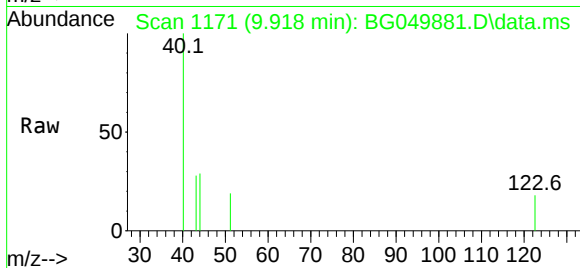




#32  
Benzoic acid  
Concen: 4.984 ng  
RT: 9.918 min Scan# 1171  
Delta R.T. -0.248 min  
Lab File: BG049881.D  
Acq: 17 Aug 2021 17:08

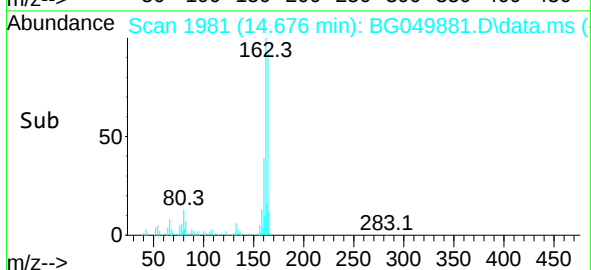
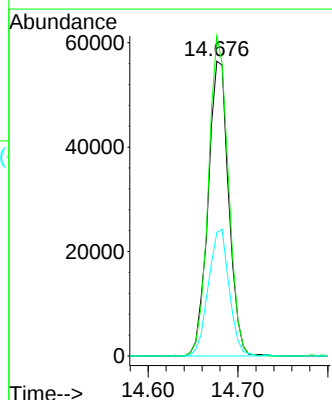
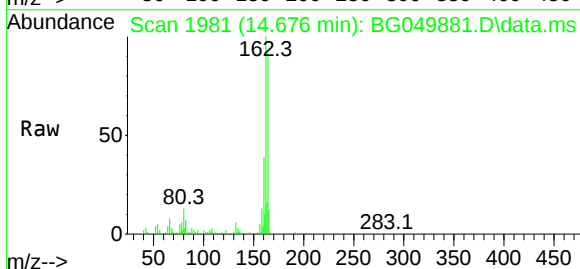
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ClientSampleId :  
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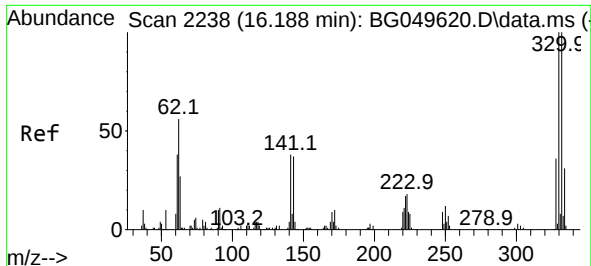
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:122 | Resp: | 56          |
| Ion Ratio   | Lower | Upper       |
| 122         | 100   |             |
| 105         | 0.0   | 92.3 132.3# |
| 77          | 0.0   | 66.5 106.5# |



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.676 min Scan# 1981  
Delta R.T. -0.007 min  
Lab File: BG049881.D  
Acq: 17 Aug 2021 17:08

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:164 | Resp: | 89863      |
| Ion Ratio   | Lower | Upper      |
| 164         | 100   |            |
| 162         | 108.6 | 81.4 122.0 |
| 160         | 41.9  | 34.9 52.3  |

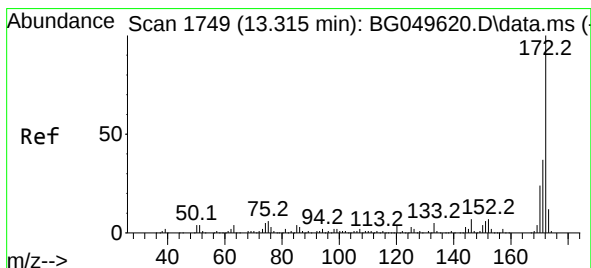
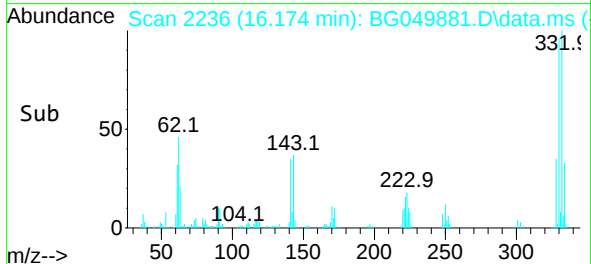
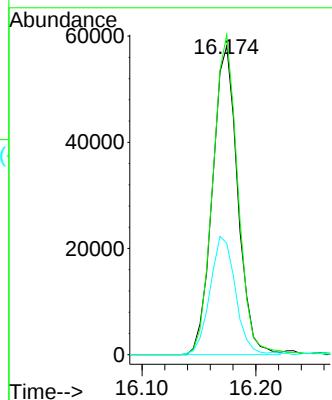
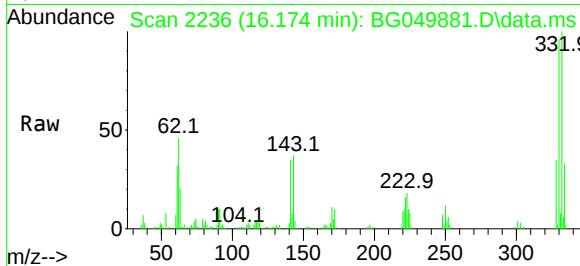




#42  
2,4,6-Tribromophenol  
Concen: 67.786 ng  
RT: 16.174 min Scan# 2236  
Delta R.T. -0.001 min  
Lab File: BG049881.D  
Acq: 17 Aug 2021 17:08

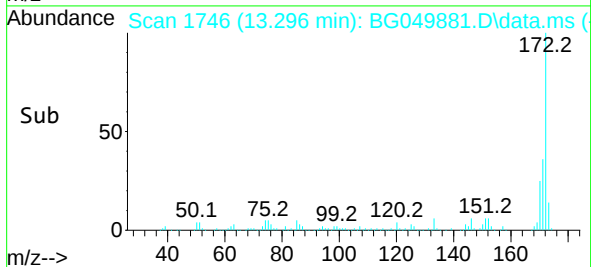
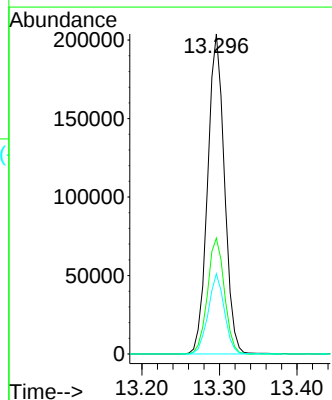
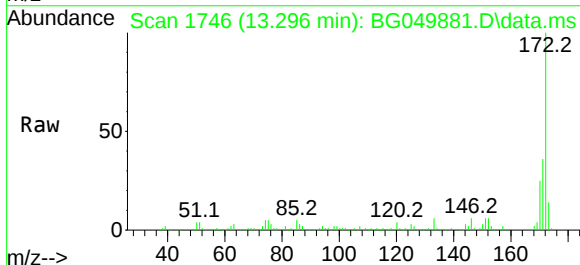
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BNA\_G  
ClientSampled :  
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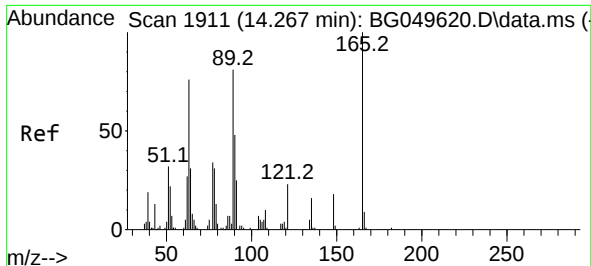
Tgt Ion:330 Resp: 89536  
Ion Ratio Lower Upper  
330 100  
332 102.8 77.3 115.9  
141 38.9 35.6 53.4



#45  
2-Fluorobiphenyl  
Concen: 49.595 ng  
RT: 13.296 min Scan# 1746  
Delta R.T. -0.007 min  
Lab File: BG049881.D  
Acq: 17 Aug 2021 17:08

Tgt Ion:172 Resp: 306293  
Ion Ratio Lower Upper  
172 100  
171 36.2 28.6 43.0  
170 25.0 18.6 27.8

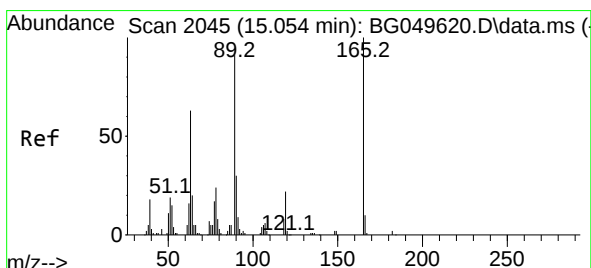
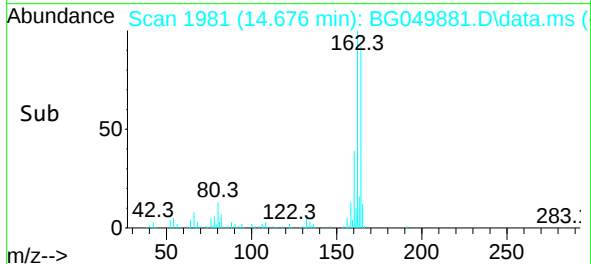
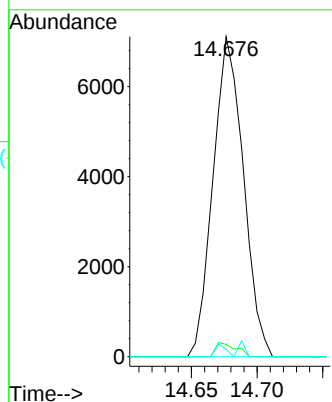
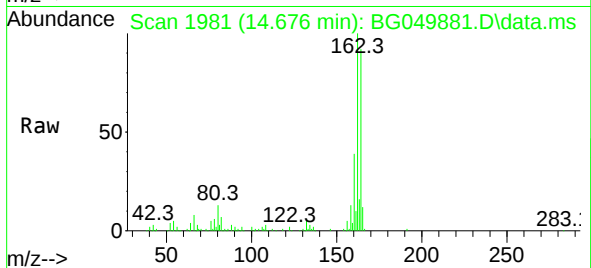




#51  
2,6-Dinitrotoluene  
Concen: 7.647 ng  
RT: 14.676 min Scan# 1981  
Delta R.T. 0.422 min  
Lab File: BG049881.D  
Acq: 17 Aug 2021 17:08

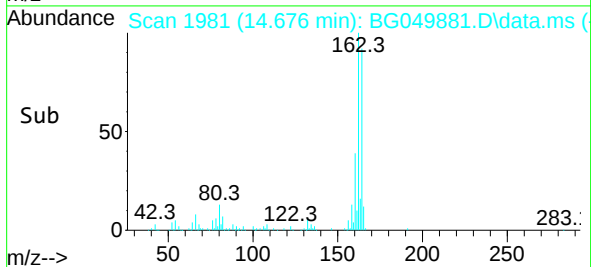
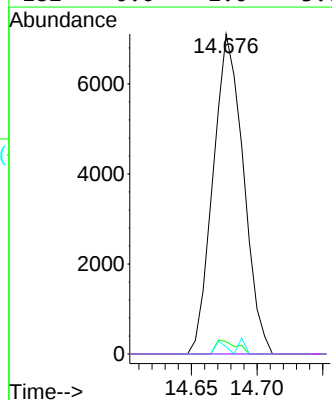
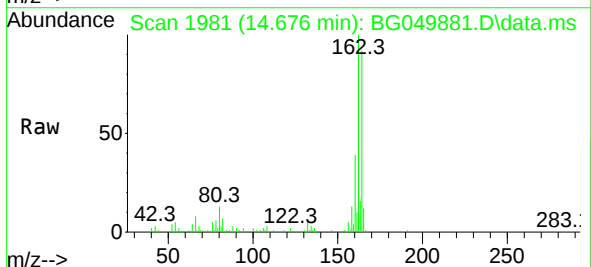
Instrument :  
BNA\_G  
ClientSampleId :  
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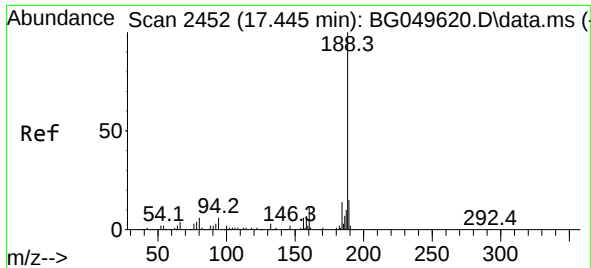
Tgt Ion:165 Resp: 11415  
Ion Ratio Lower Upper  
165 100  
63 3.9 63.3 94.9#  
89 2.3 63.4 95.0#



#57  
2,4-Dinitrotoluene  
Concen: 5.444 ng  
RT: 14.676 min Scan# 1981  
Delta R.T. -0.371 min  
Lab File: BG049881.D  
Acq: 17 Aug 2021 17:08

Tgt Ion:165 Resp: 11415  
Ion Ratio Lower Upper  
165 100  
63 3.9 48.0 72.0#  
89 2.3 65.4 98.0#  
182 0.0 2.0 3.0#

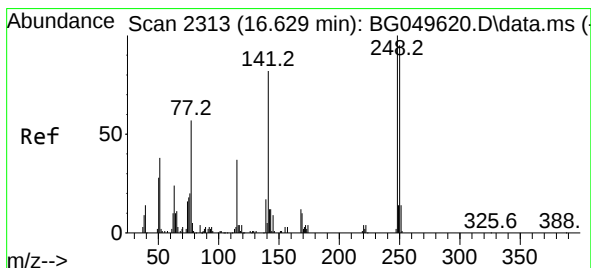
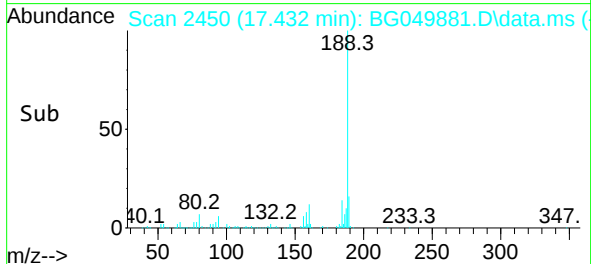
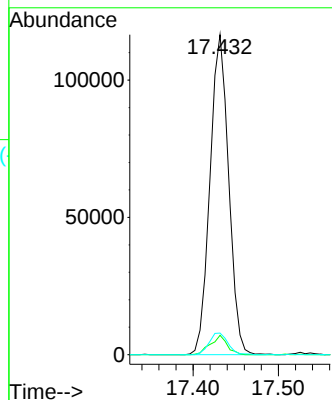
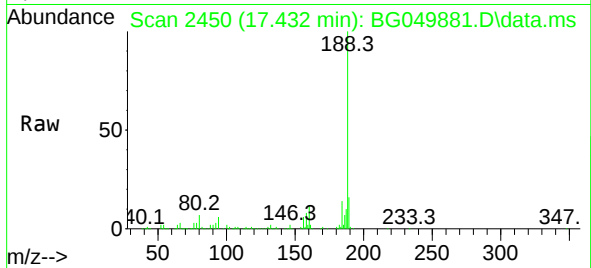




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.432 min Scan# 2450  
Delta R.T. -0.007 min  
Lab File: BG049881.D  
Acq: 17 Aug 2021 17:08

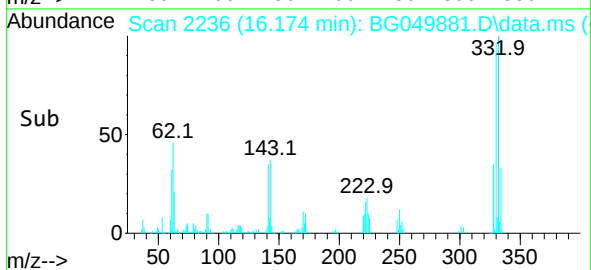
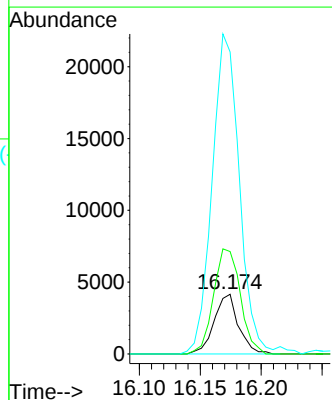
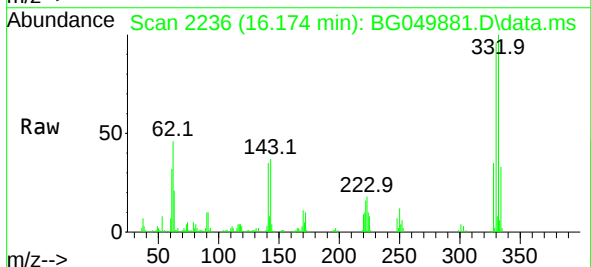
Instrument :  
BNA\_G  
ClientSampleId :  
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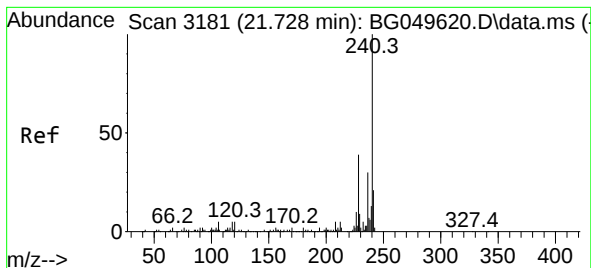
Tgt Ion:188 Resp: 177106  
Ion Ratio Lower Upper  
188 100  
94 6.0 5.4 8.0  
80 6.7 3.7 5.5#



#67  
4-Bromophenyl-phenylether  
Concen: 2.766 ng  
RT: 16.174 min Scan# 2236  
Delta R.T. -0.442 min  
Lab File: BG049881.D  
Acq: 17 Aug 2021 17:08

Tgt Ion:248 Resp: 5770  
Ion Ratio Lower Upper  
248 100  
250 171.4 76.1 114.1#  
141 505.4 65.4 98.2#

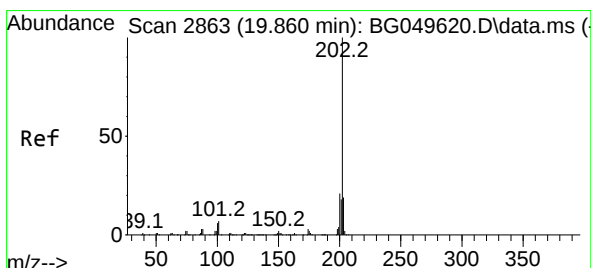
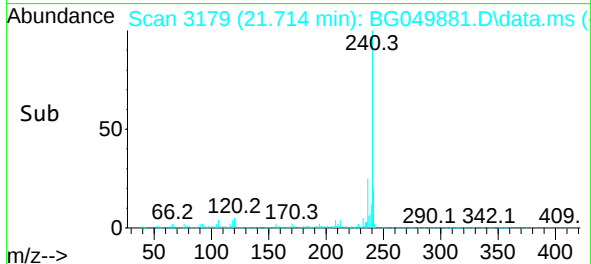
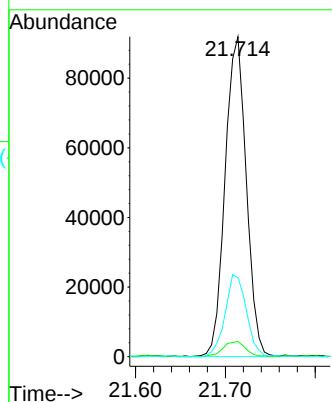
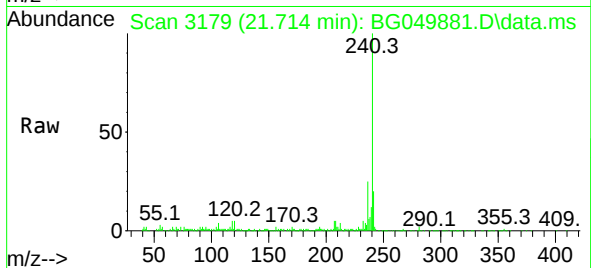




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.714 min Scan# 3179  
Delta R.T. -0.007 min  
Lab File: BG049881.D  
Acq: 17 Aug 2021 17:08

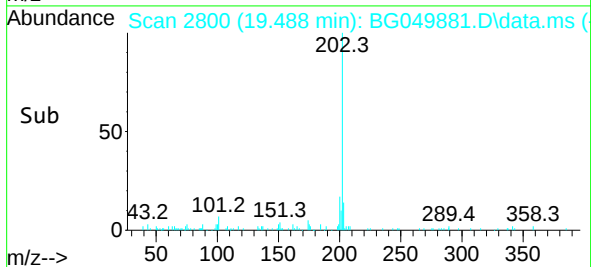
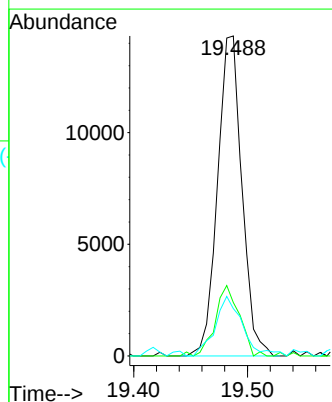
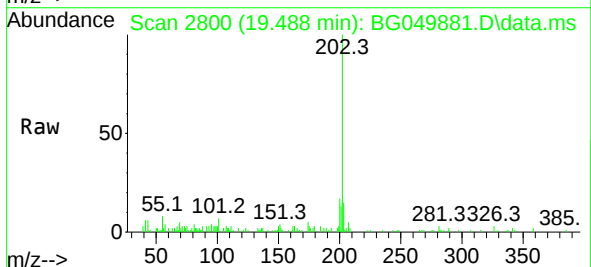
Instrument :  
BNA\_G  
ClientSampled :  
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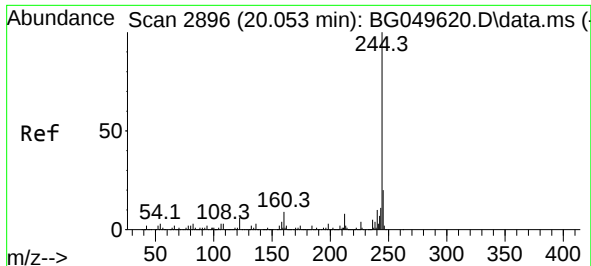
Tgt Ion:240 Resp: 150535  
Ion Ratio Lower Upper  
240 100  
120 4.7 4.2 6.2  
236 24.7 21.8 32.6



#78  
Pyrene  
Concen: 2.078 ng  
RT: 19.488 min Scan# 2800  
Delta R.T. -0.366 min  
Lab File: BG049881.D  
Acq: 17 Aug 2021 17:08

Tgt Ion:202 Resp: 21328  
Ion Ratio Lower Upper  
202 100  
200 16.7 15.8 23.8  
203 14.8 14.6 21.8

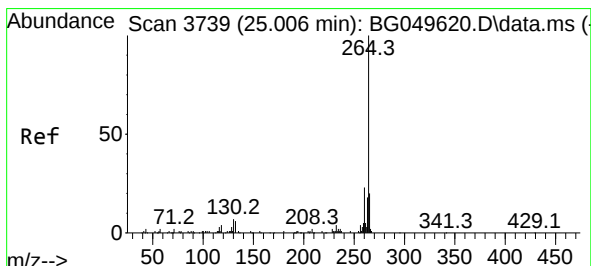
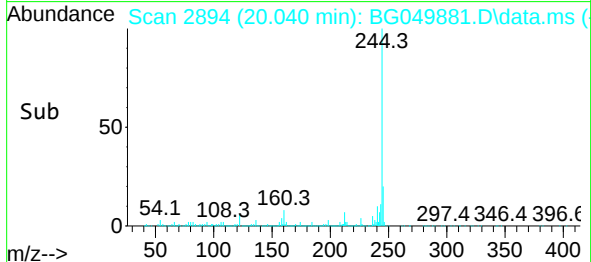
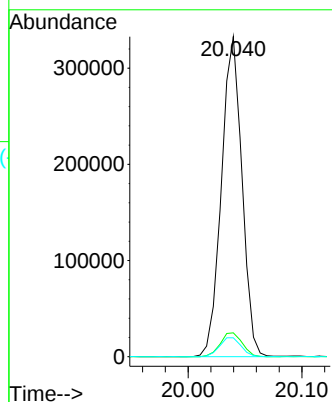
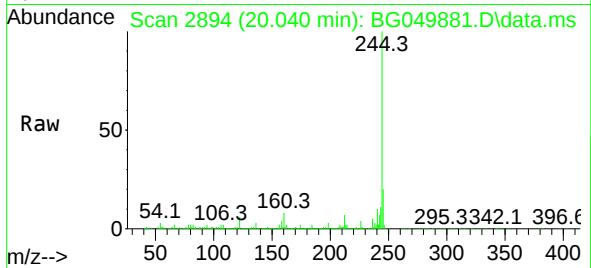




#79  
Terphenyl-d14  
Concen: 50.395 ng  
RT: 20.040 min Scan# 2894  
Delta R.T. -0.007 min  
Lab File: BG049881.D  
Acq: 17 Aug 2021 17:08

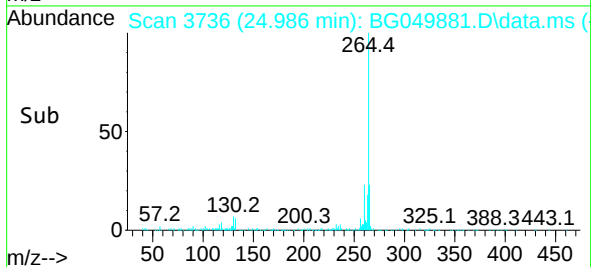
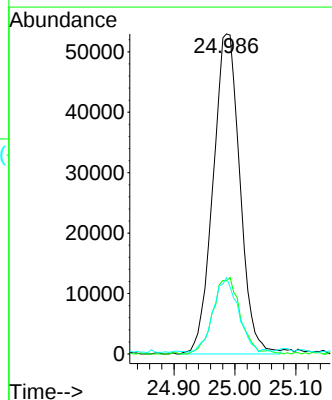
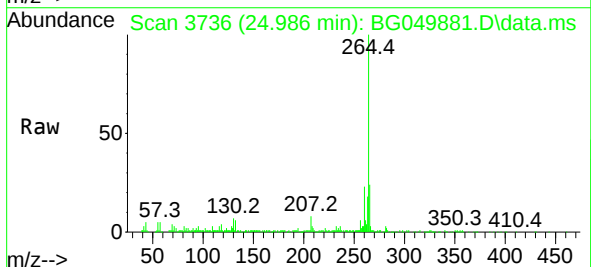
Instrument :  
BNA\_G  
ClientSampleId :  
5

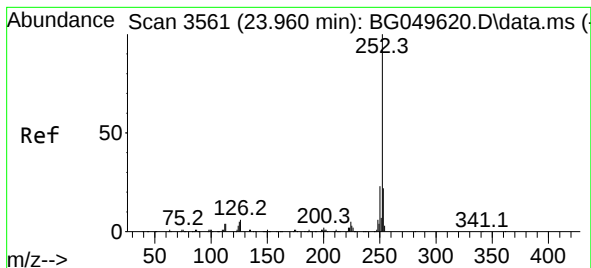
Tgt Ion:244 Resp: 417693  
Ion Ratio Lower Upper  
244 100  
212 7.4 6.9 10.3  
122 5.9 5.0 7.6



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 24.986 min Scan# 3736  
Delta R.T. -0.001 min  
Lab File: BG049881.D  
Acq: 17 Aug 2021 17:08

Tgt Ion:264 Resp: 161909  
Ion Ratio Lower Upper  
264 100  
260 22.9 19.4 29.2  
265 23.8 16.9 25.3





#88

Benzo(b)fluoranthene

Concen: 2.836 ng

RT: 23.940 min Scan# 3558

Delta R.T. -0.013 min

Lab File: BG049881.D

Acq: 17 Aug 2021 17:08

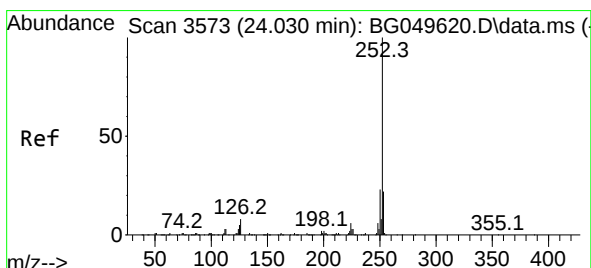
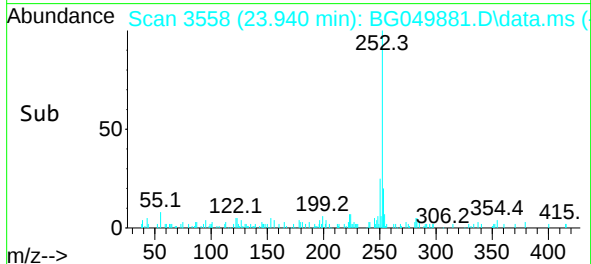
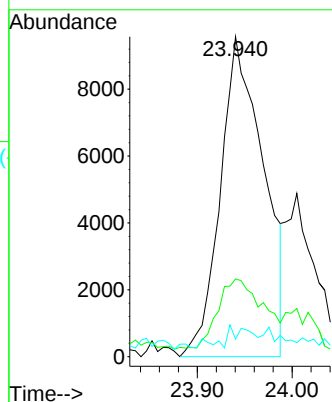
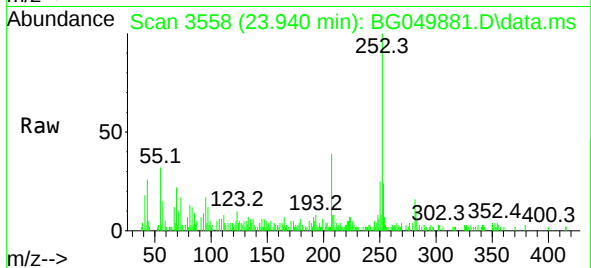
Instrument :

BNA\_G

ClientSampleId :

5

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:252 | Resp: | 30111     |
| Ion Ratio   | Lower | Upper     |
| 252         | 100   |           |
| 253         | 24.3  | 16.2 24.4 |
| 125         | 5.5   | 3.0 4.4#  |



#89

Benzo(k)fluoranthene

Concen: 3.040 ng

RT: 23.940 min Scan# 3558

Delta R.T. -0.078 min

Lab File: BG049881.D

Acq: 17 Aug 2021 17:08

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:252 | Resp: | 30111     |
| Ion Ratio   | Lower | Upper     |
| 252         | 100   |           |
| 253         | 24.3  | 18.0 27.0 |
| 125         | 5.5   | 3.1 4.7#  |

