

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG072822\  
 Data File : BG054431.D  
 Acq On : 28 Jul 2022 14:22  
 Operator : CG/JU  
 Sample : N3893-07  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 RVE-7

Quant Time: Jul 29 04:08:39 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG071522.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 28 04:30:50 2022  
 Response via : Initial Calibration

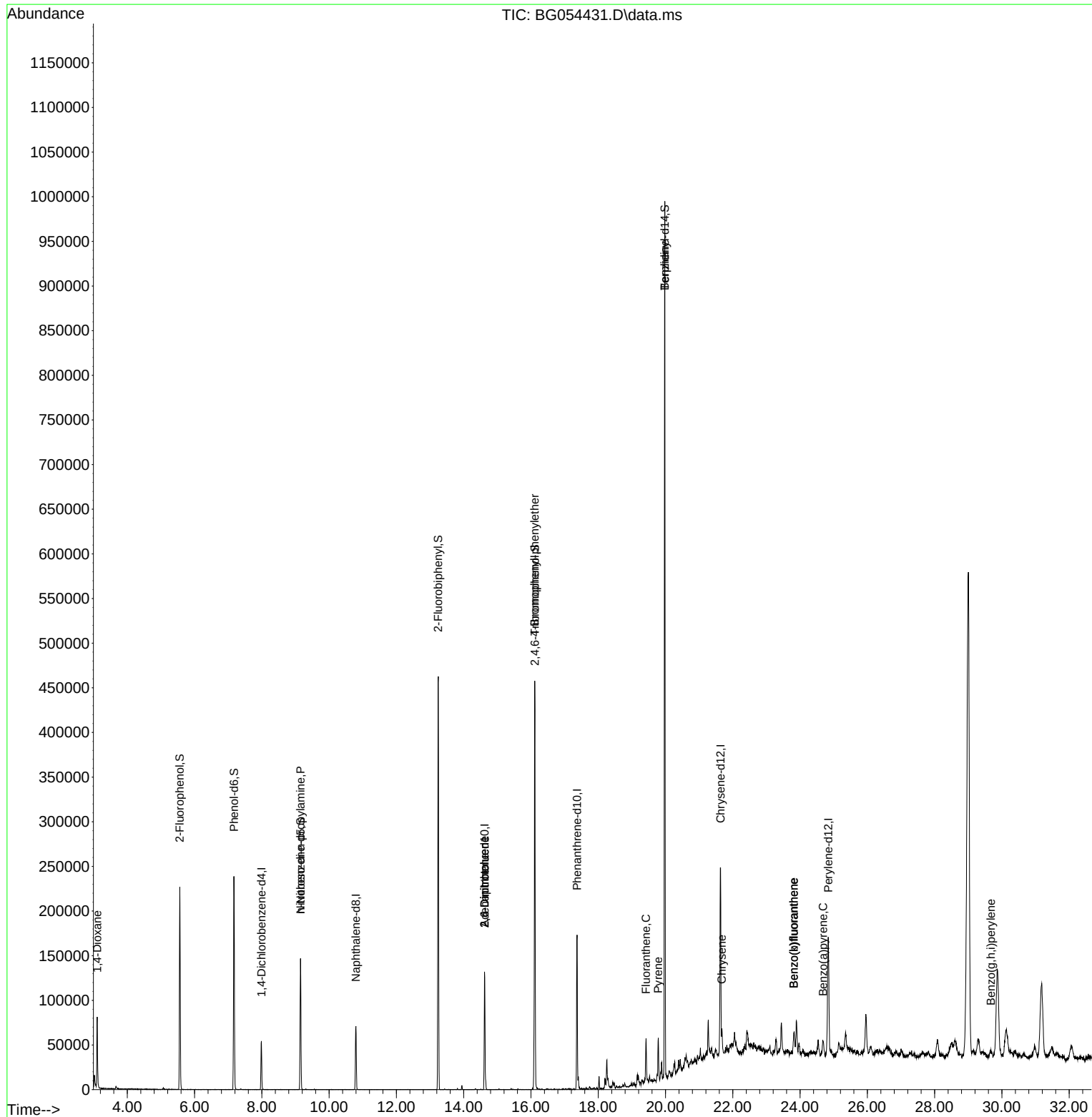
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.987  | 152  | 16890    | 20.000    | ng    | # 0.00   |
| 21) Naphthalene-d8            | 10.795 | 136  | 67019    | 20.000    | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.620 | 164  | 52317    | 20.000    | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.370 | 188  | 130952   | 20.000    | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.636 | 240  | 144143   | 20.000    | ng    | # 0.00   |
| 86) Perylene-d12              | 24.838 | 264  | 152810   | 20.000    | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.560  | 112  | 100667   | 124.441   | ng    | 0.00     |
| 7) Phenol-d6                  | 7.170  | 99   | 134003   | 120.891   | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.150  | 82   | 90416    | 73.469    | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.119 | 330  | 123957   | 112.846   | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.245 | 172  | 279237   | 75.294    | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.979 | 244  | 574115   | 79.014    | ng    | 0.00     |
| Target Compounds              |        |      |          |           |       |          |
|                               |        |      |          |           |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.104  | 88   | 823      | 2.557     | ng    | # 1      |
| 9) Benzaldehyde               | 7.164  | 77   | 75       | Below Cal |       | # 10     |
| 19) n-Nitroso-di-n-propyla... | 9.150  | 70   | 12223    | 16.513    | ng    | # 88     |
| 51) 2,6-Dinitrotoluene        | 14.620 | 165  | 7024     | 7.836     | ng    | # 16     |
| 57) 2,4-Dinitrotoluene        | 14.620 | 165  | 7024     | 5.466     | ng    | # 21     |
| 67) 4-Bromophenyl-phenylether | 16.113 | 248  | 7206     | 3.918     | ng    | # 1      |
| 75) Fluoranthene              | 19.421 | 202  | 28949    | 3.256     | ng    | 93       |
| 77) Benzidine                 | 19.979 | 184  | 7568     | 2.899     | ng    | # 94     |
| 78) Pyrene                    | 19.785 | 202  | 32606    | 3.942     | ng    | 97       |
| 83) Chrysene                  | 21.677 | 228  | 21417    | 2.477     | ng    | 92       |
| 88) Benzo(b)fluoranthene      | 23.815 | 252  | 30070    | 3.327     | ng    | # 97     |
| 89) Benzo(k)fluoranthene      | 23.815 | 252  | 30070    | 3.343     | ng    | # 96     |
| 90) Benzo(a)pyrene            | 24.685 | 252  | 19540    | 2.532     | ng    | # 89     |
| 92) Benzo(g,h,i)perylene      | 29.673 | 276  | 19203    | 2.035     | ng    | # 94     |
| -----                         |        |      |          |           |       |          |

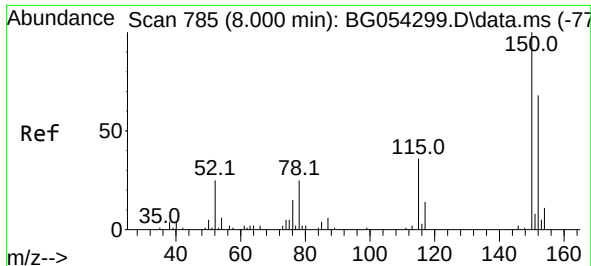
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG072822\  
Data File : BG054431.D  
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Sample : N3893-07  
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ALS Vial : 7 Sample Multiplier: 1

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Quant Time: Jul 29 04:08:39 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG071522.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Jul 28 04:30:50 2022  
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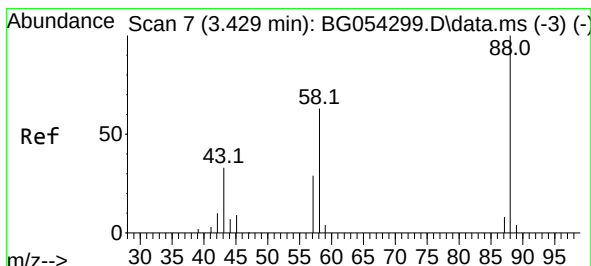
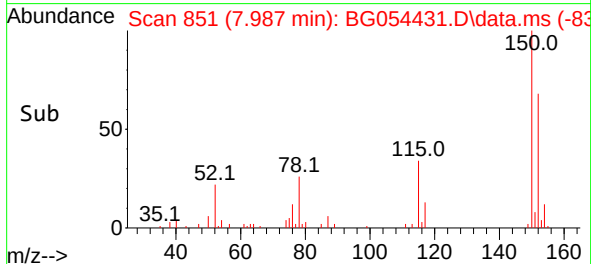
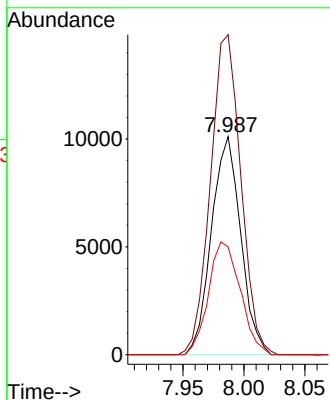
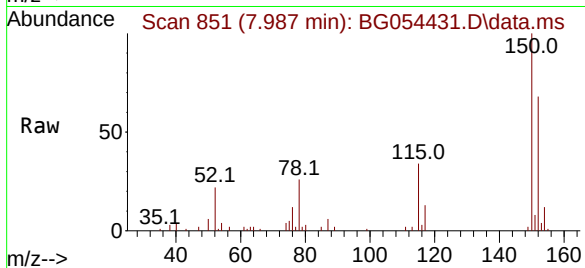




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.987 min Scan# 81  
 Delta R.T. -0.001 min  
 Lab File: BG054431.D  
 Acq: 28 Jul 2022 14:22

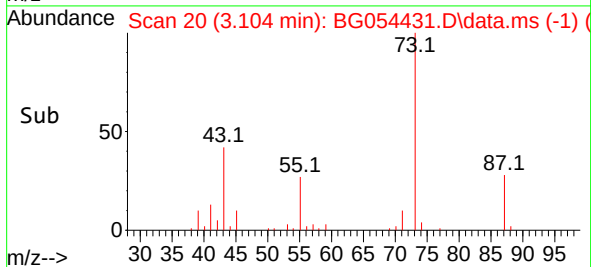
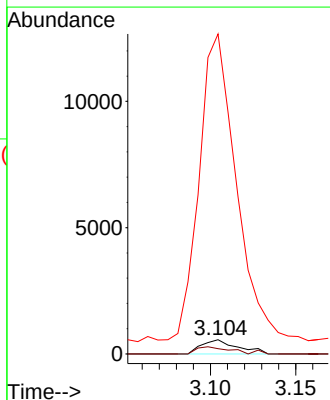
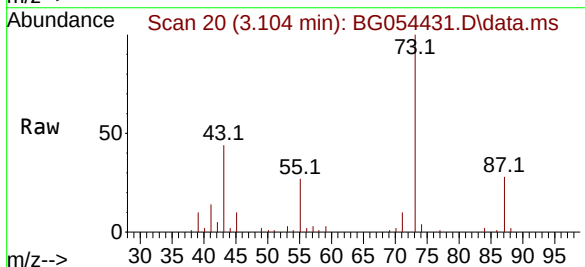
Instrument :  
 BNA\_G  
 ClientSampleId :  
 RVE-7

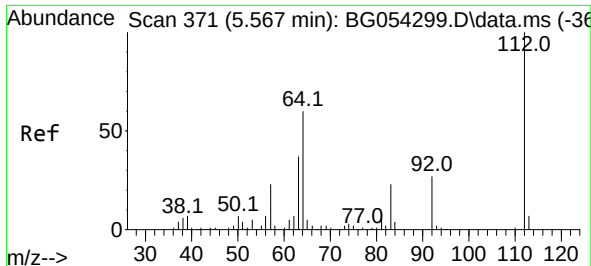
Tgt Ion:152 Resp: 16890  
 Ion Ratio Lower Upper  
 152 100  
 150 146.8 131.6 197.4  
 115 49.4 50.9 76.3#



#2  
 1,4-Dioxane  
 Concen: 2.557 ng  
 RT: 3.104 min Scan# 20  
 Delta R.T. -0.313 min  
 Lab File: BG054431.D  
 Acq: 28 Jul 2022 14:22

Tgt Ion: 88 Resp: 823  
 Ion Ratio Lower Upper  
 88 100  
 58 51.9 59.2 88.8#  
 43 2378.3 24.3 36.5#

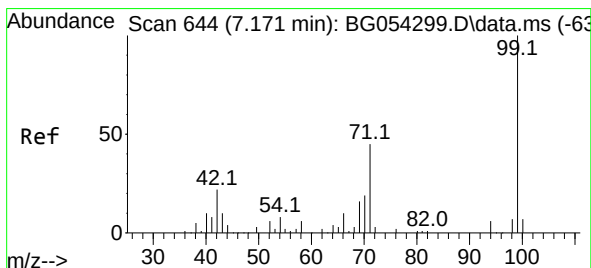
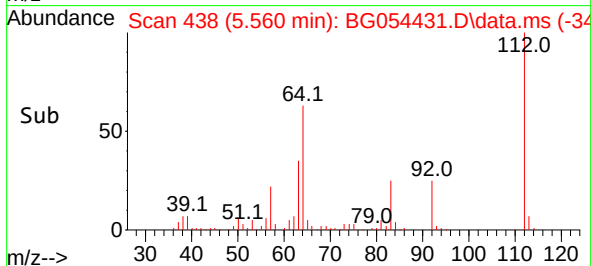
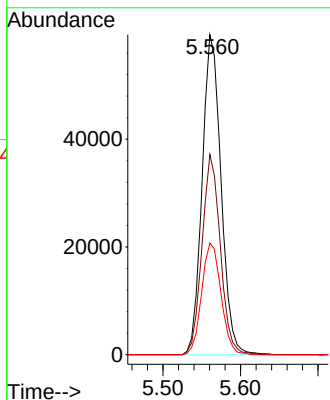
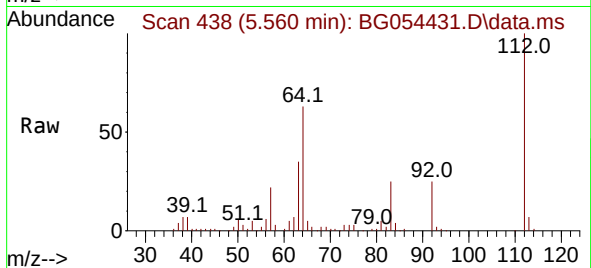




#5  
2-Fluorophenol  
Concen: 124.441 ng  
RT: 5.560 min Scan# 41  
Delta R.T. -0.001 min  
Lab File: BG054431.D  
Acq: 28 Jul 2022 14:22

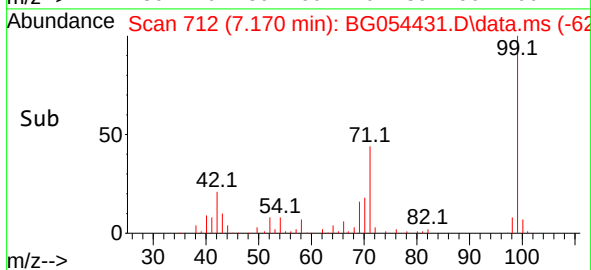
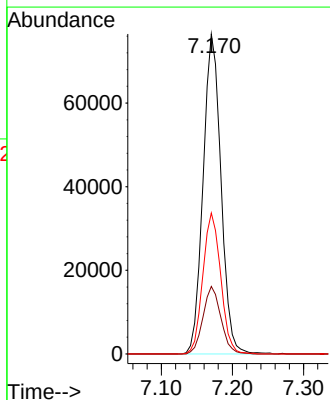
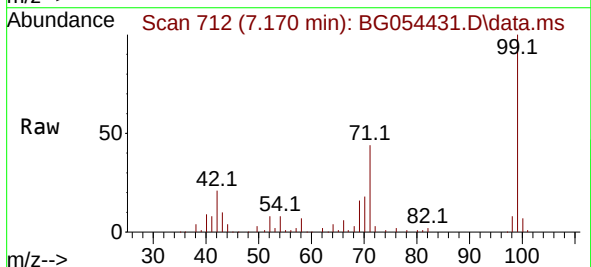
Instrument :  
BNA\_G  
ClientSampleId :  
RVE-7

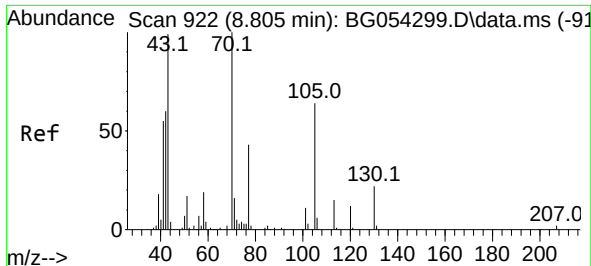
Tgt Ion:112 Resp: 100667  
Ion Ratio Lower Upper  
112 100  
64 62.5 55.1 82.7  
63 34.9 30.4 45.6



#7  
Phenol-d6  
Concen: 120.891 ng  
RT: 7.170 min Scan# 712  
Delta R.T. -0.001 min  
Lab File: BG054431.D  
Acq: 28 Jul 2022 14:22

Tgt Ion: 99 Resp: 134003  
Ion Ratio Lower Upper  
99 100  
42 21.1 17.0 25.6  
71 44.1 33.8 50.8

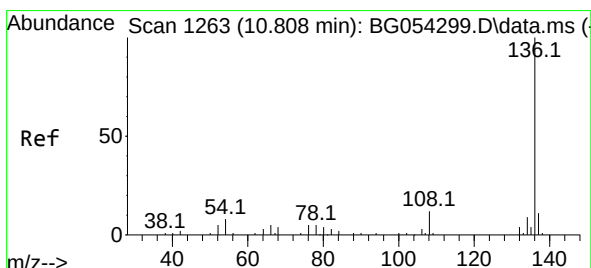
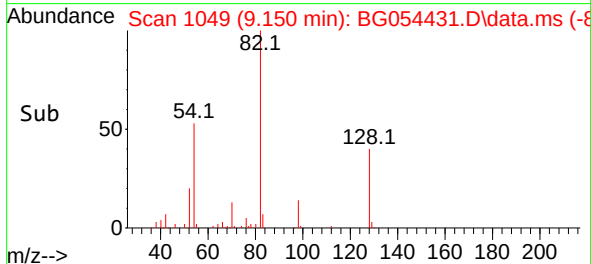
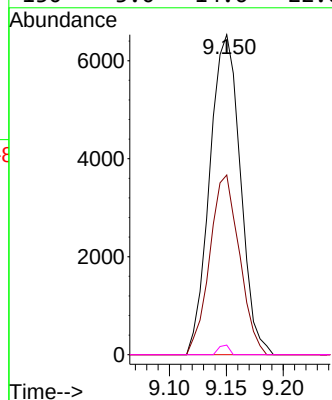
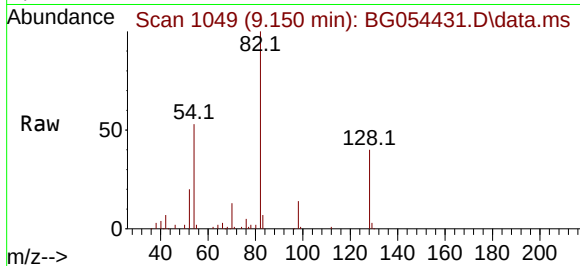




#19  
n-Nitroso-di-n-propylamine  
Concen: 16.513 ng  
RT: 9.150 min Scan# 1049  
Delta R.T. 0.357 min  
Lab File: BG054431.D  
Acq: 28 Jul 2022 14:22

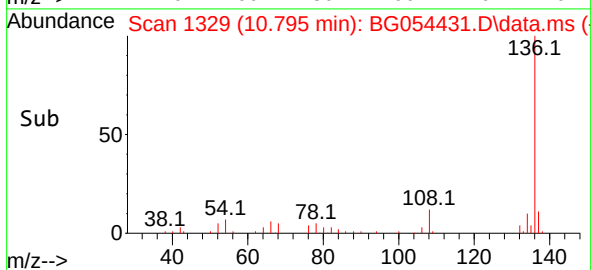
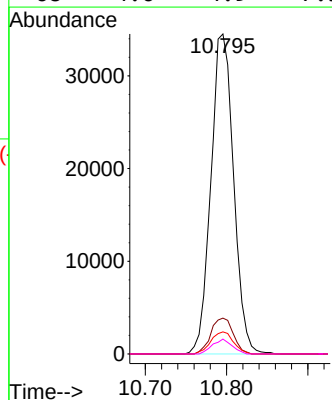
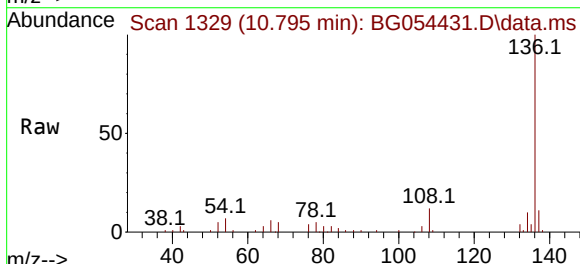
Instrument :  
BNA\_G  
ClientSampleId :  
RVE-7

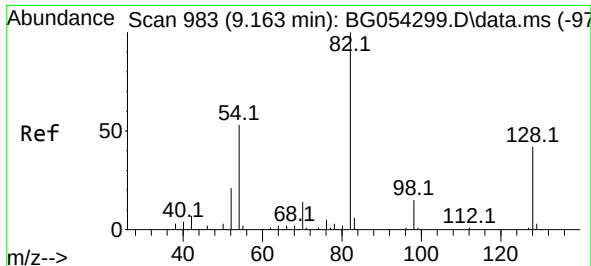
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 70    | Resp: | 12223 |
| Ion      | Ratio | Lower | Upper |
| 70       | 100   |       |       |
| 42       | 56.1  | 47.3  | 70.9  |
| 101      | 0.0   | 7.0   | 10.4# |
| 130      | 3.0   | 14.6  | 22.0# |



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.795 min Scan# 1329  
Delta R.T. -0.001 min  
Lab File: BG054431.D  
Acq: 28 Jul 2022 14:22

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 67019 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 11.2  | 8.5   | 12.7  |
| 54       | 6.9   | 7.4   | 11.2# |
| 68       | 4.6   | 4.9   | 7.3#  |

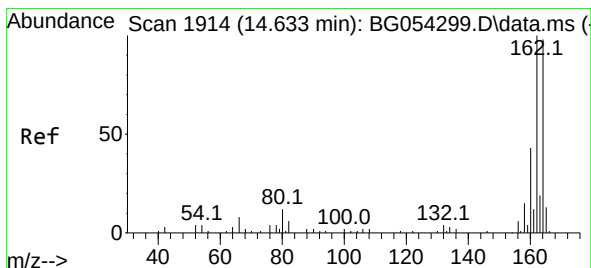
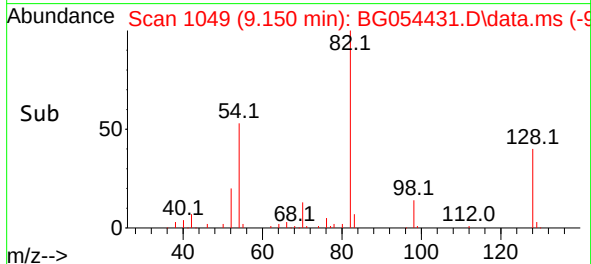
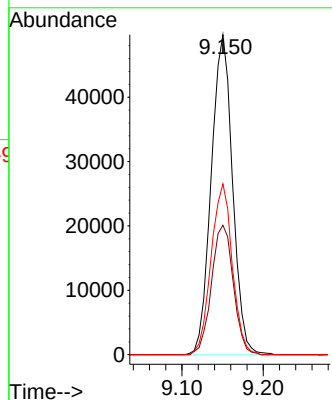
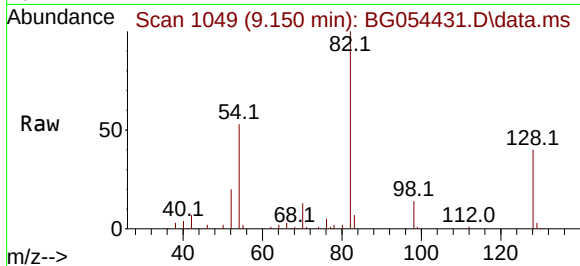




#23  
Nitrobenzene-d5  
Concen: 73.469 ng  
RT: 9.150 min Scan# 1049  
Delta R.T. -0.001 min  
Lab File: BG054431.D  
Acq: 28 Jul 2022 14:22

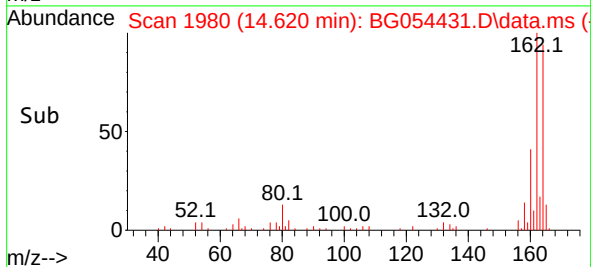
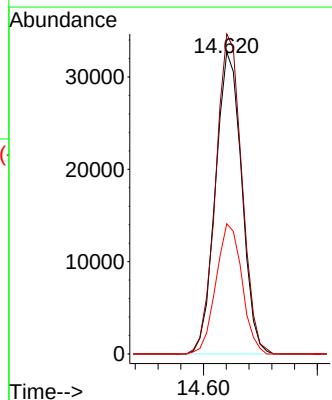
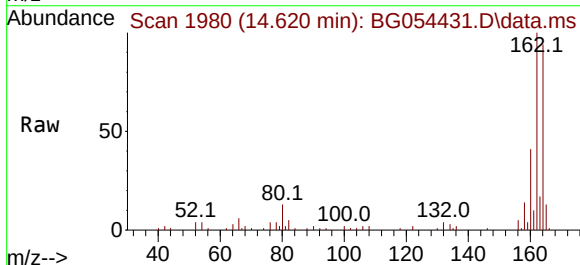
Instrument :  
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ClientSampleId :  
RVE-7

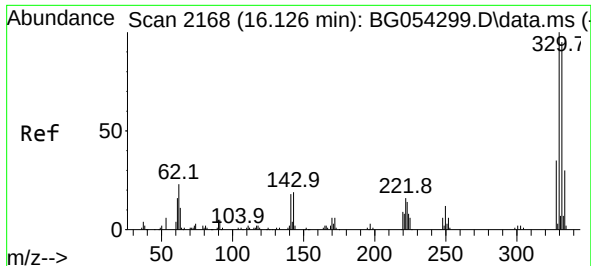
Tgt Ion: 82 Resp: 90416  
Ion Ratio Lower Upper  
82 100  
128 40.5 27.9 41.9  
54 53.4 41.2 61.8



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.620 min Scan# 1980  
Delta R.T. -0.001 min  
Lab File: BG054431.D  
Acq: 28 Jul 2022 14:22

Tgt Ion:164 Resp: 52317  
Ion Ratio Lower Upper  
164 100  
162 106.0 82.3 123.5  
160 43.1 34.2 51.2

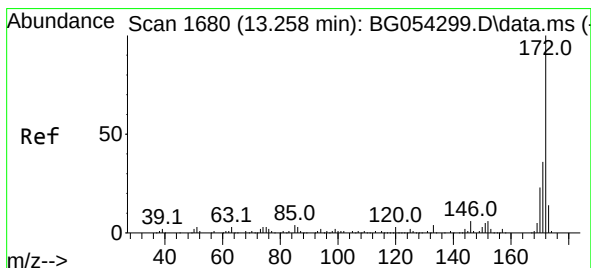
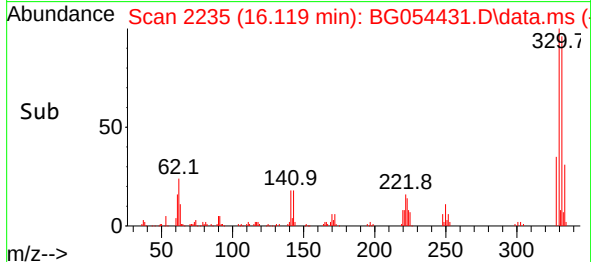
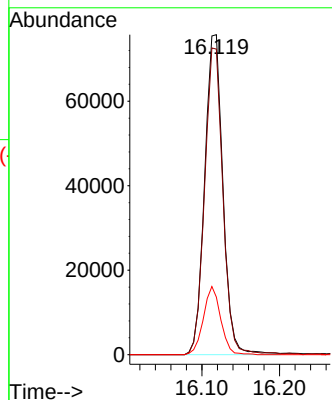
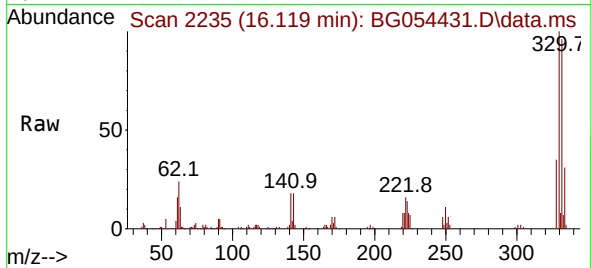




#42  
2,4,6-Tribromophenol  
Concen: 112.846 ng  
RT: 16.119 min Scan# 2168  
Delta R.T. 0.004 min  
Lab File: BG054431.D  
Acq: 28 Jul 2022 14:22

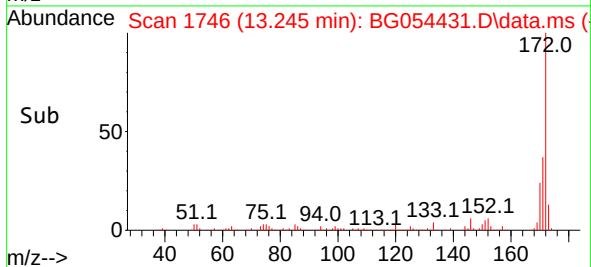
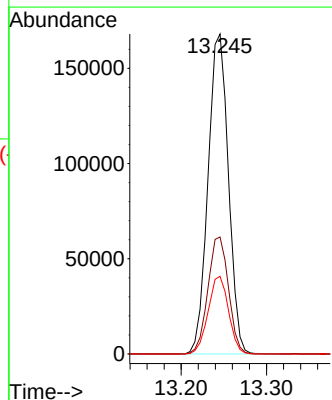
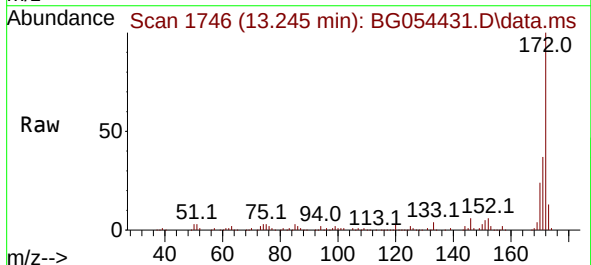
Instrument :  
BNA\_G  
ClientSampleId :  
RVE-7

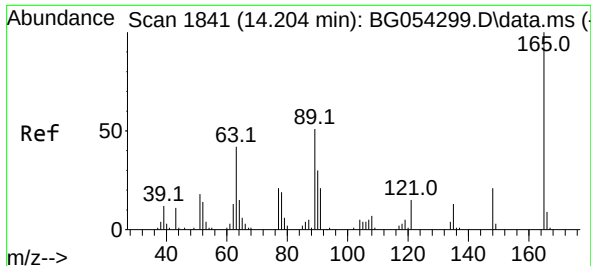
Tgt Ion:330 Resp: 123957  
Ion Ratio Lower Upper  
330 100  
332 95.2 76.0 114.0  
141 20.1 27.1 40.7#



#45  
2-Fluorobiphenyl  
Concen: 75.294 ng  
RT: 13.245 min Scan# 1746  
Delta R.T. -0.001 min  
Lab File: BG054431.D  
Acq: 28 Jul 2022 14:22

Tgt Ion:172 Resp: 279237  
Ion Ratio Lower Upper  
172 100  
171 36.6 28.5 42.7  
170 24.3 18.9 28.3

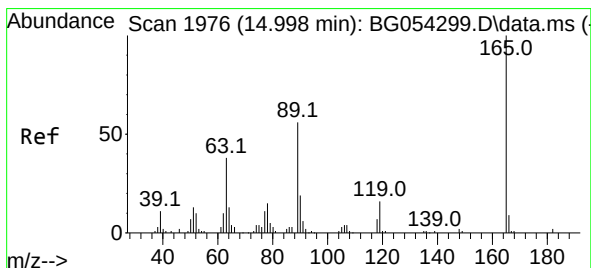
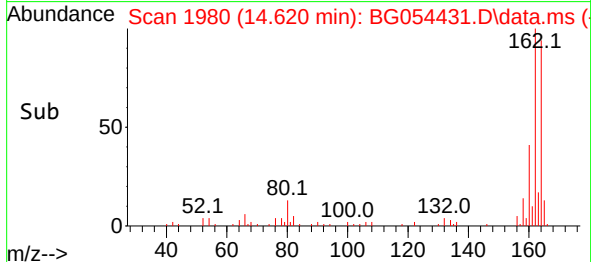
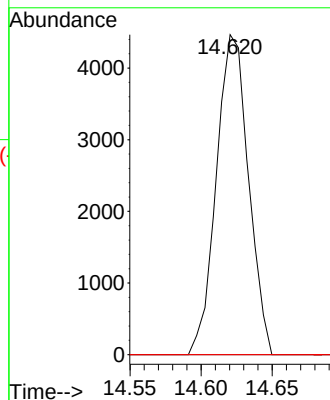
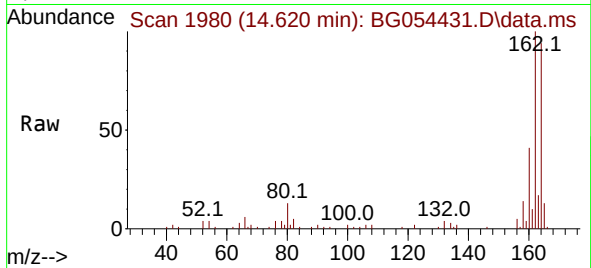




#51  
2,6-Dinitrotoluene  
Concen: 7.836 ng  
RT: 14.620 min Scan# 1980  
Delta R.T. 0.422 min  
Lab File: BG054431.D  
Acq: 28 Jul 2022 14:22

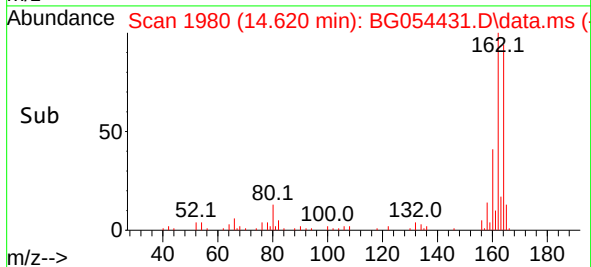
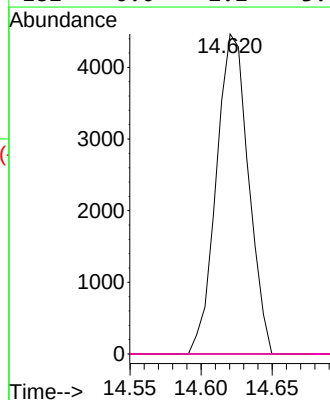
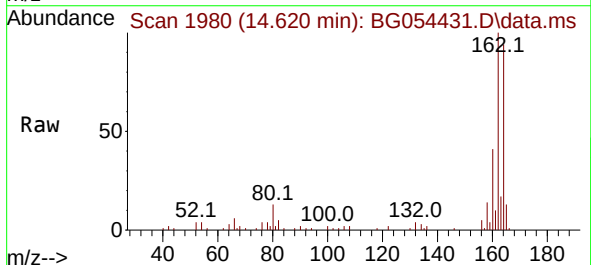
Instrument :  
BNA\_G  
ClientSampleId :  
RVE-7

Tgt Ion:165 Resp: 7024  
Ion Ratio Lower Upper  
165 100  
63 0.0 54.1 81.1#  
89 0.0 54.8 82.2#

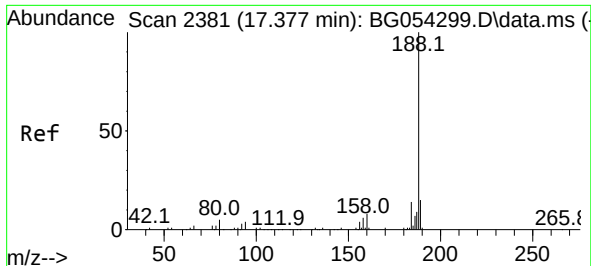


#57  
2,4-Dinitrotoluene  
Concen: 5.466 ng  
RT: 14.620 min Scan# 1980  
Delta R.T. -0.372 min  
Lab File: BG054431.D  
Acq: 28 Jul 2022 14:22

Tgt Ion:165 Resp: 7024  
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#



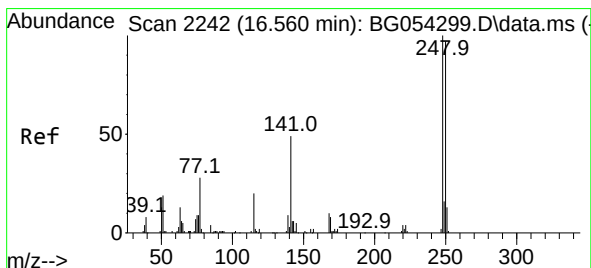
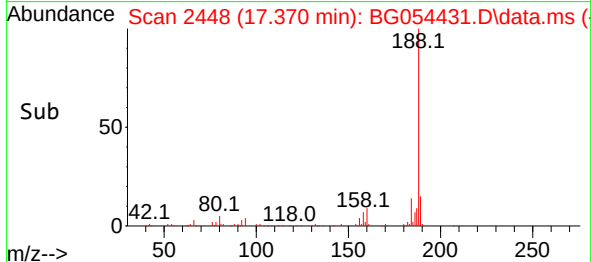
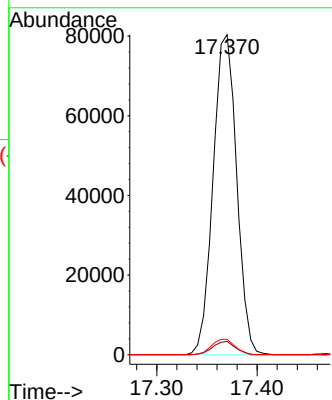
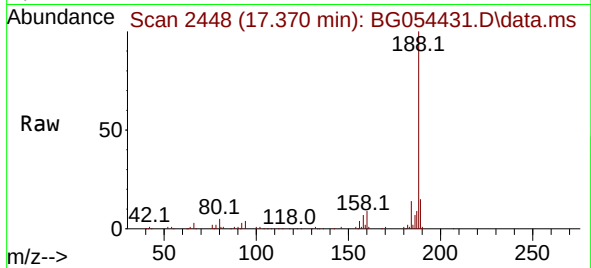




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.370 min Scan# 2448  
Delta R.T. -0.001 min  
Lab File: BG054431.D  
Acq: 28 Jul 2022 14:22

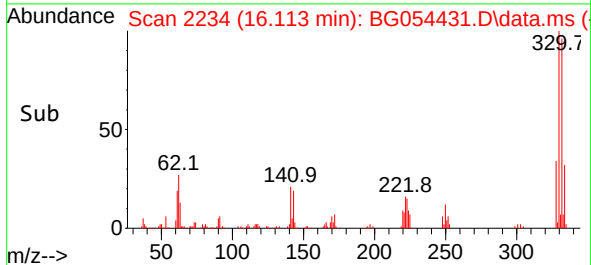
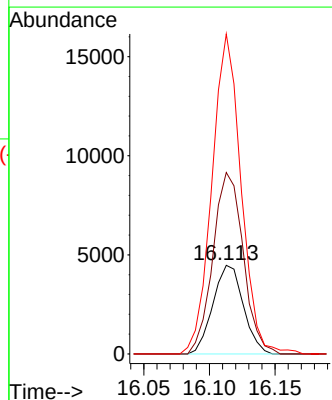
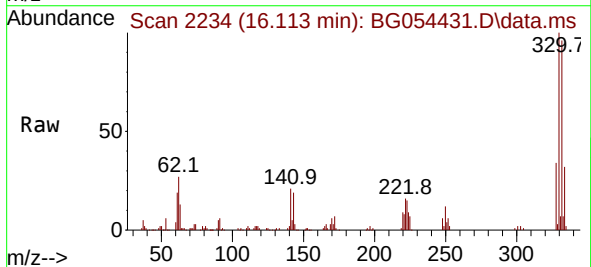
Instrument :  
BNA\_G  
ClientSampleId :  
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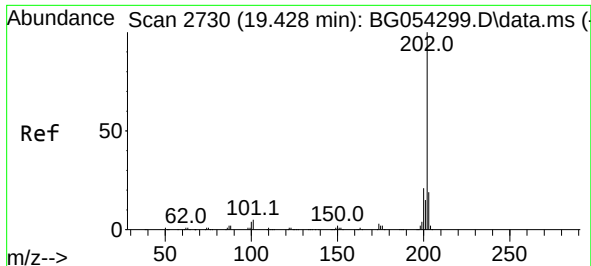
Tgt Ion:188 Resp: 130952  
Ion Ratio Lower Upper  
188 100  
94 4.1 5.4 8.0#  
80 4.8 6.8 10.2#



#67  
4-Bromophenyl-phenylether  
Concen: 3.918 ng  
RT: 16.113 min Scan# 2234  
Delta R.T. -0.442 min  
Lab File: BG054431.D  
Acq: 28 Jul 2022 14:22

Tgt Ion:248 Resp: 7206  
Ion Ratio Lower Upper  
248 100  
250 204.5 75.2 112.8#  
141 360.8 50.0 75.0#

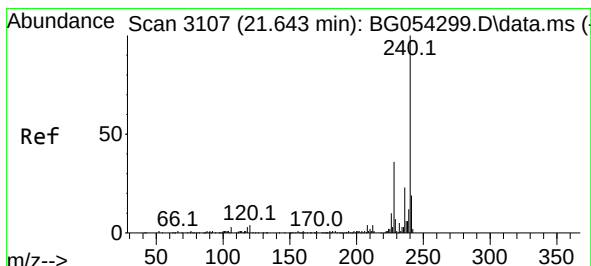
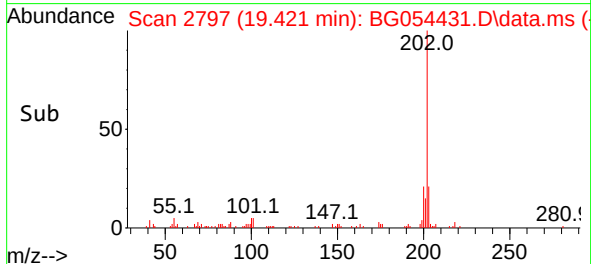
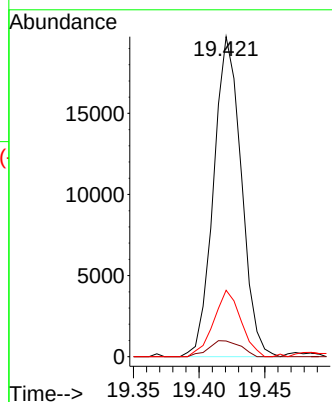
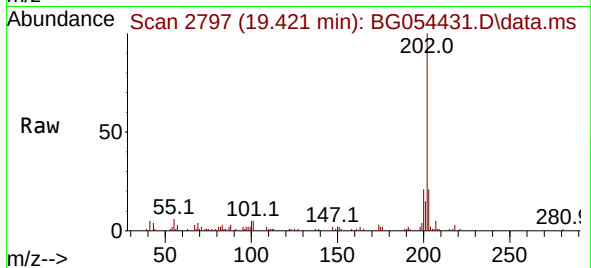




#75  
Fluoranthene  
Concen: 3.256 ng  
RT: 19.421 min Scan# 21  
Delta R.T. -0.001 min  
Lab File: BG054431.D  
Acq: 28 Jul 2022 14:22

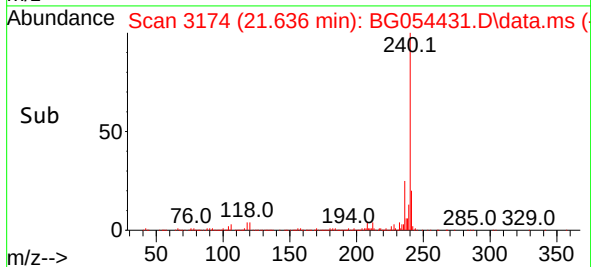
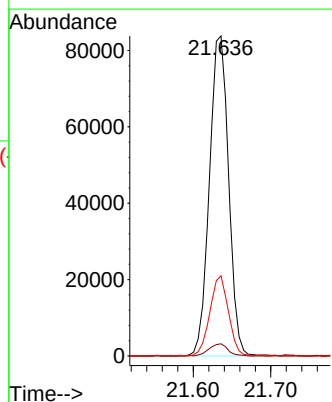
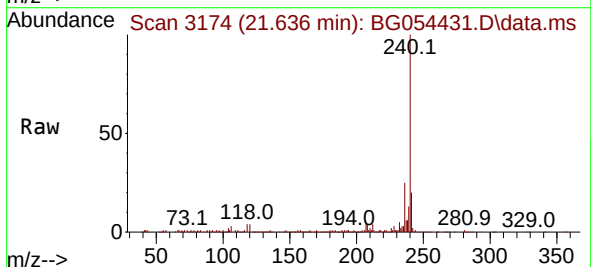
Instrument :  
BNA\_G  
ClientSampleId :  
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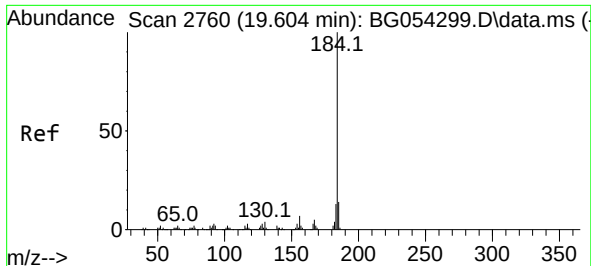
Tgt Ion:202 Resp: 28949  
Ion Ratio Lower Upper  
202 100  
101 4.9 0.0 26.9  
203 20.8 0.0 37.2



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.636 min Scan# 3174  
Delta R.T. -0.001 min  
Lab File: BG054431.D  
Acq: 28 Jul 2022 14:22

Tgt Ion:240 Resp: 144143  
Ion Ratio Lower Upper  
240 100  
120 3.8 4.6 7.0#  
236 25.0 20.2 30.4

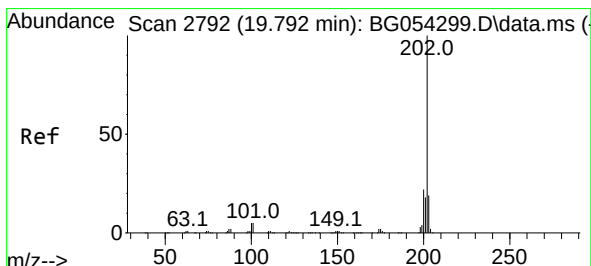
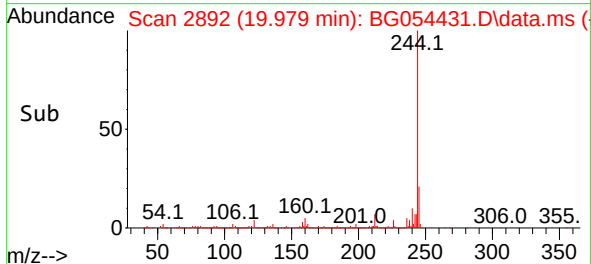
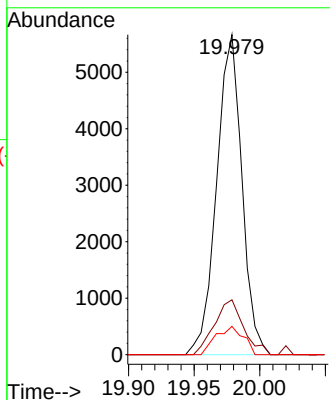
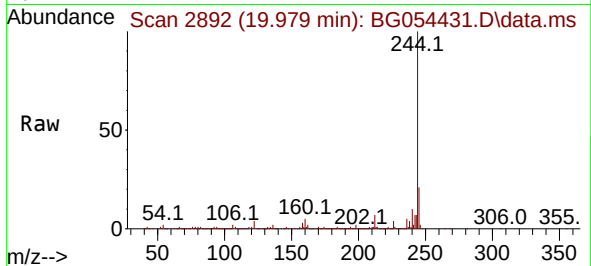




#77  
Benzidine  
Concen: 2.899 ng  
RT: 19.979 min Scan# 2892  
Delta R.T. 0.380 min  
Lab File: BG054431.D  
Acq: 28 Jul 2022 14:22

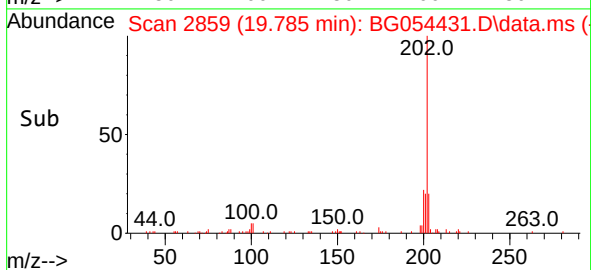
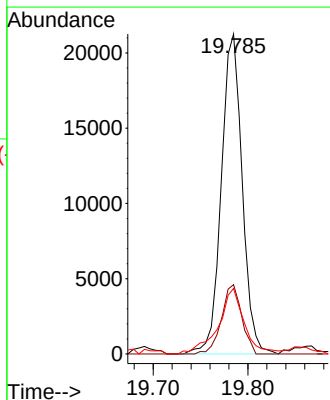
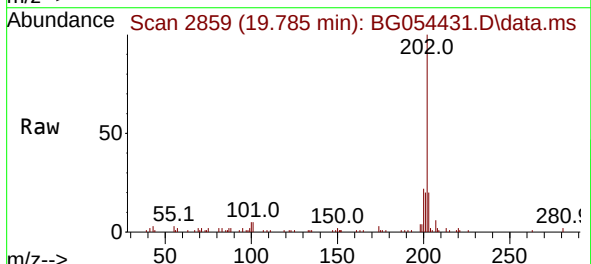
Instrument :  
BNA\_G  
ClientSampleId :  
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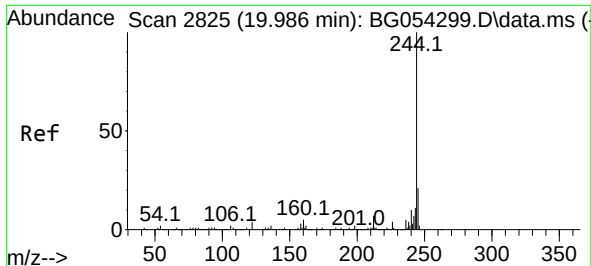
Tgt Ion:184 Resp: 7568  
Ion Ratio Lower Upper  
184 100  
185 17.2 11.8 17.6  
183 8.9 8.9 13.3#



#78  
Pyrene  
Concen: 3.942 ng  
RT: 19.785 min Scan# 2859  
Delta R.T. -0.001 min  
Lab File: BG054431.D  
Acq: 28 Jul 2022 14:22

Tgt Ion:202 Resp: 32606  
Ion Ratio Lower Upper  
202 100  
200 21.6 16.6 24.8  
203 20.5 14.6 21.8

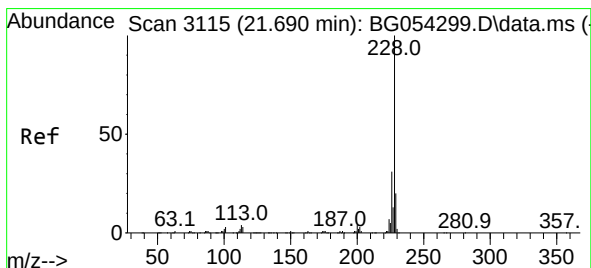
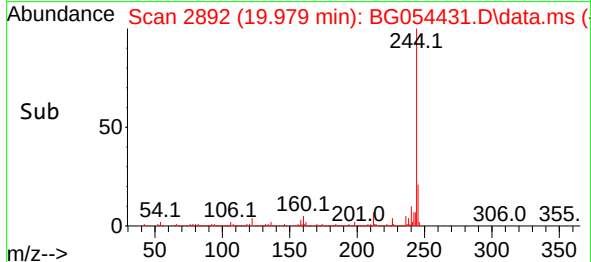
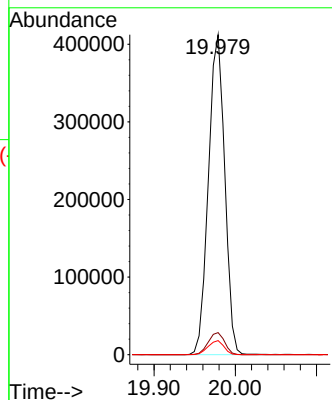
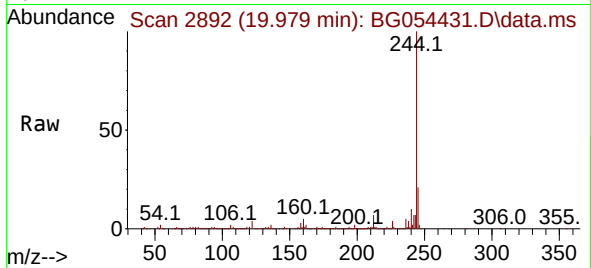




#79  
 Terphenyl-d14  
 Concen: 79.014 ng  
 RT: 19.979 min Scan# 21  
 Delta R.T. -0.001 min  
 Lab File: BG054431.D  
 Acq: 28 Jul 2022 14:22

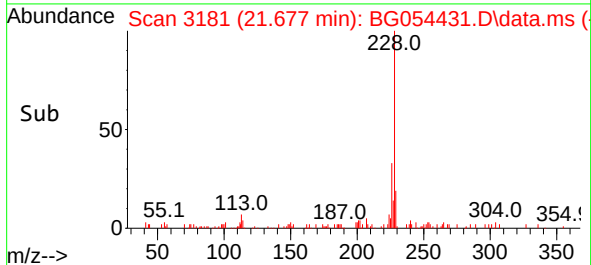
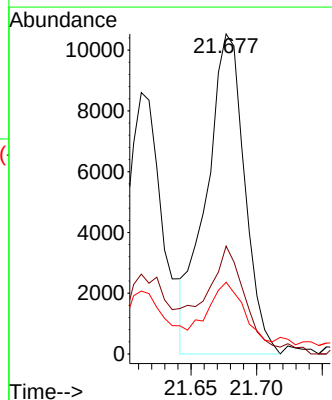
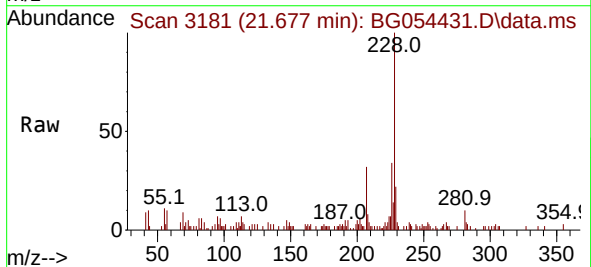
Instrument :  
 BNA\_G  
 ClientSampleId :  
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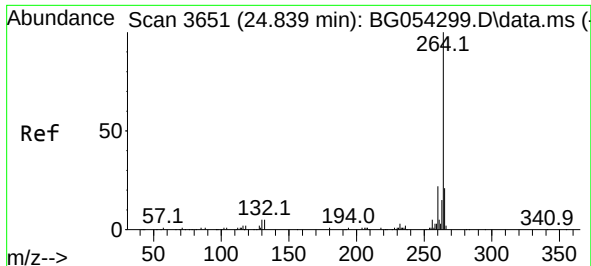
Tgt Ion:244 Resp: 574115  
 Ion Ratio Lower Upper  
 244 100  
 212 6.9 6.5 9.7  
 122 4.4 5.0 7.4#



#83  
 Chrysene  
 Concen: 2.477 ng  
 RT: 21.677 min Scan# 3181  
 Delta R.T. -0.007 min  
 Lab File: BG054431.D  
 Acq: 28 Jul 2022 14:22

Tgt Ion:228 Resp: 21417  
 Ion Ratio Lower Upper  
 228 100  
 226 33.7 23.4 35.2  
 229 22.4 15.5 23.3

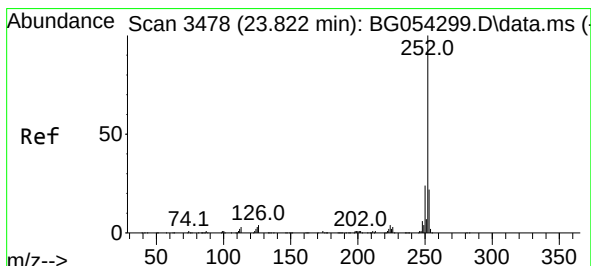
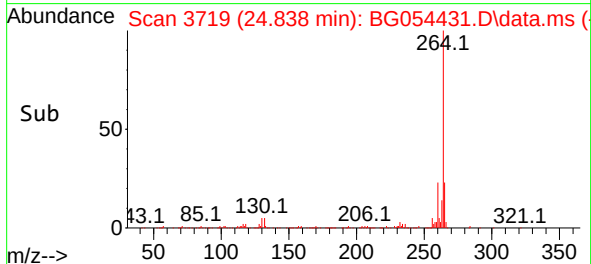
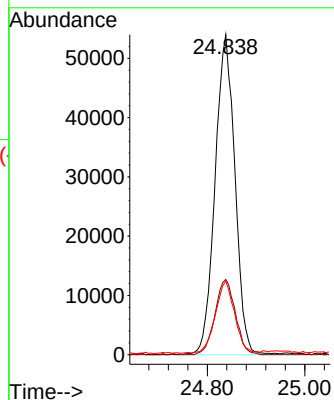
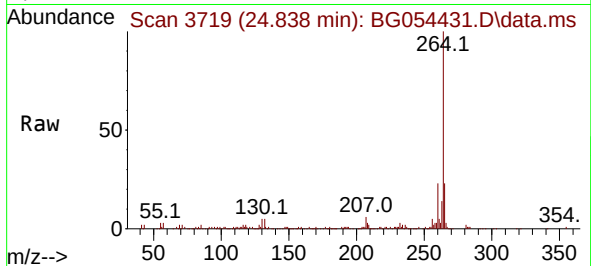




#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 24.838 min Scan# 31  
Delta R.T. 0.004 min  
Lab File: BG054431.D  
Acq: 28 Jul 2022 14:22

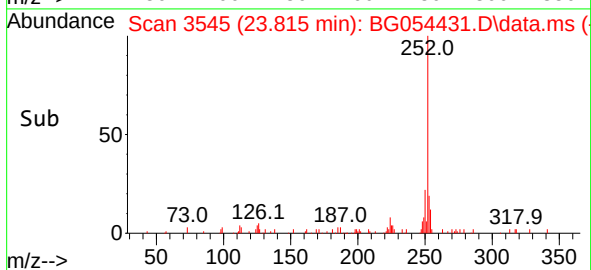
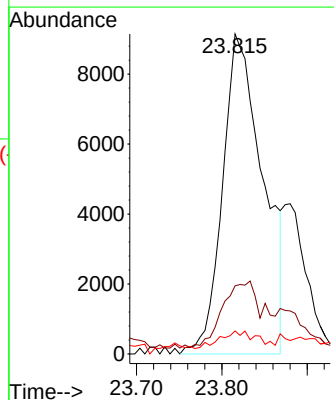
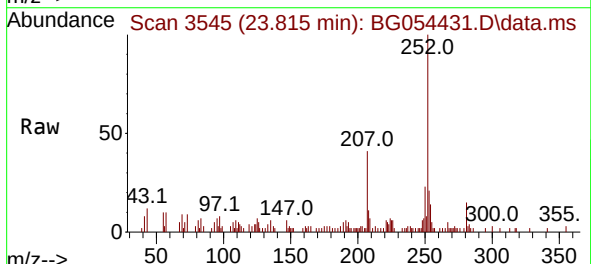
Instrument :  
BNA\_G  
ClientSampleId :  
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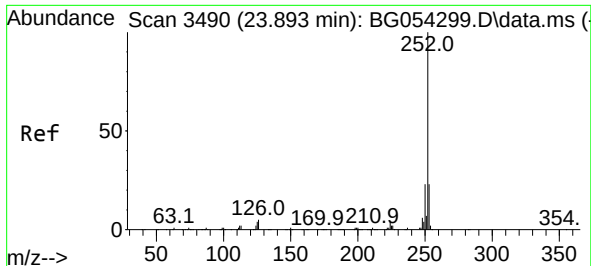
Tgt Ion:264 Resp: 152810  
Ion Ratio Lower Upper  
264 100  
260 23.5 19.0 28.6  
265 23.0 17.4 26.2



#88  
Benzo(b)fluoranthene  
Concen: 3.327 ng  
RT: 23.815 min Scan# 3545  
Delta R.T. -0.007 min  
Lab File: BG054431.D  
Acq: 28 Jul 2022 14:22

Tgt Ion:252 Resp: 30070  
Ion Ratio Lower Upper  
252 100  
253 21.3 18.0 27.0  
125 7.2 4.6 6.8#

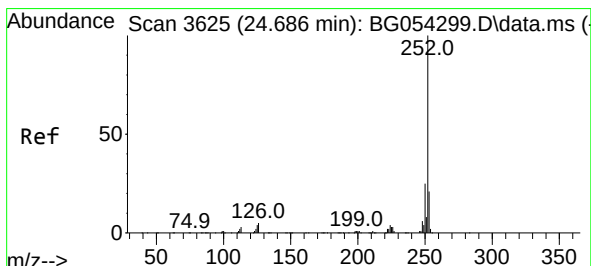
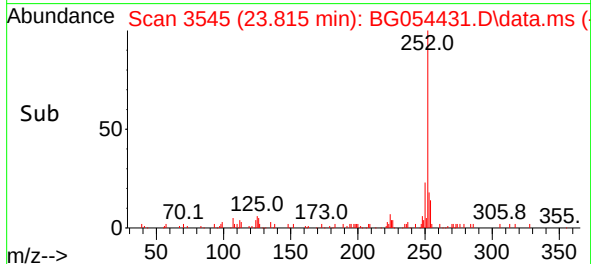
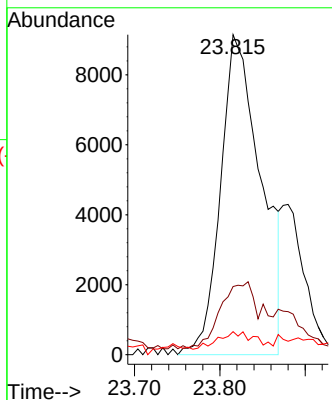
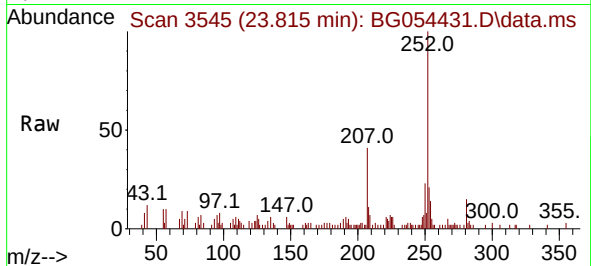




#89  
Benzo(k)fluoranthene  
Concen: 3.343 ng  
RT: 23.815 min Scan# 31  
Delta R.T. -0.072 min  
Lab File: BG054431.D  
Acq: 28 Jul 2022 14:22

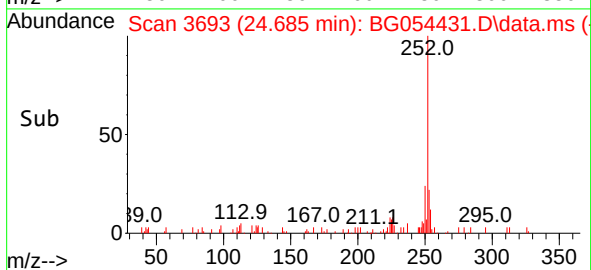
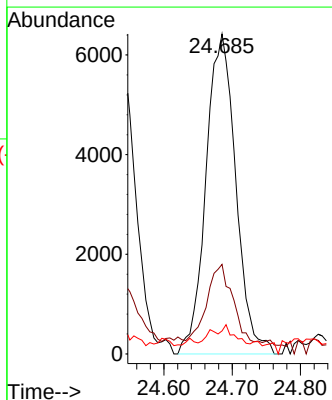
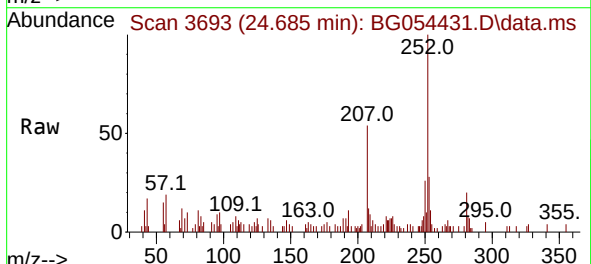
Instrument :  
BNA\_G  
ClientSampleId :  
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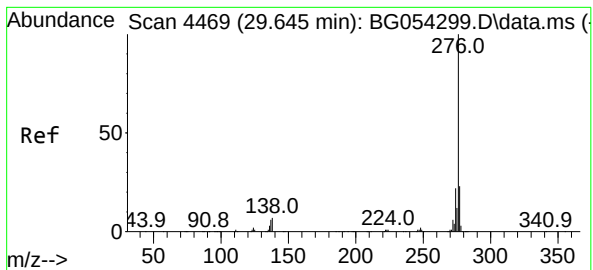
Tgt Ion:252 Resp: 30070  
Ion Ratio Lower Upper  
252 100  
253 21.3 18.4 27.6  
125 7.2 4.8 7.2#



#90  
Benzo(a)pyrene  
Concen: 2.532 ng  
RT: 24.685 min Scan# 3693  
Delta R.T. -0.001 min  
Lab File: BG054431.D  
Acq: 28 Jul 2022 14:22

Tgt Ion:252 Resp: 19540  
Ion Ratio Lower Upper  
252 100  
253 28.0 17.8 26.8#  
125 7.2 4.3 6.5#





#92  
 Benzo(g,h,i)perylene  
 Concen: 2.035 ng  
 RT: 29.673 min Scan# 4  
 Delta R.T. 0.010 min  
 Lab File: BG054431.D  
 Acq: 28 Jul 2022 14:22

Instrument :  
 BNA\_G  
 ClientSampleId :  
 RVE-7

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 19203 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 277       | 22.1  | 17.3  | 25.9  |
| 138       | 6.7   | 9.6   | 14.4# |

