

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG110522\  
 Data File : BG055470.D  
 Acq On : 5 Nov 2022 14:40  
 Operator : CG/JU  
 Sample : N5406-02  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-01-COMP

Quant Time: Nov 07 00:54:13 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG110122.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Nov 07 00:51:08 2022  
 Response via : Initial Calibration

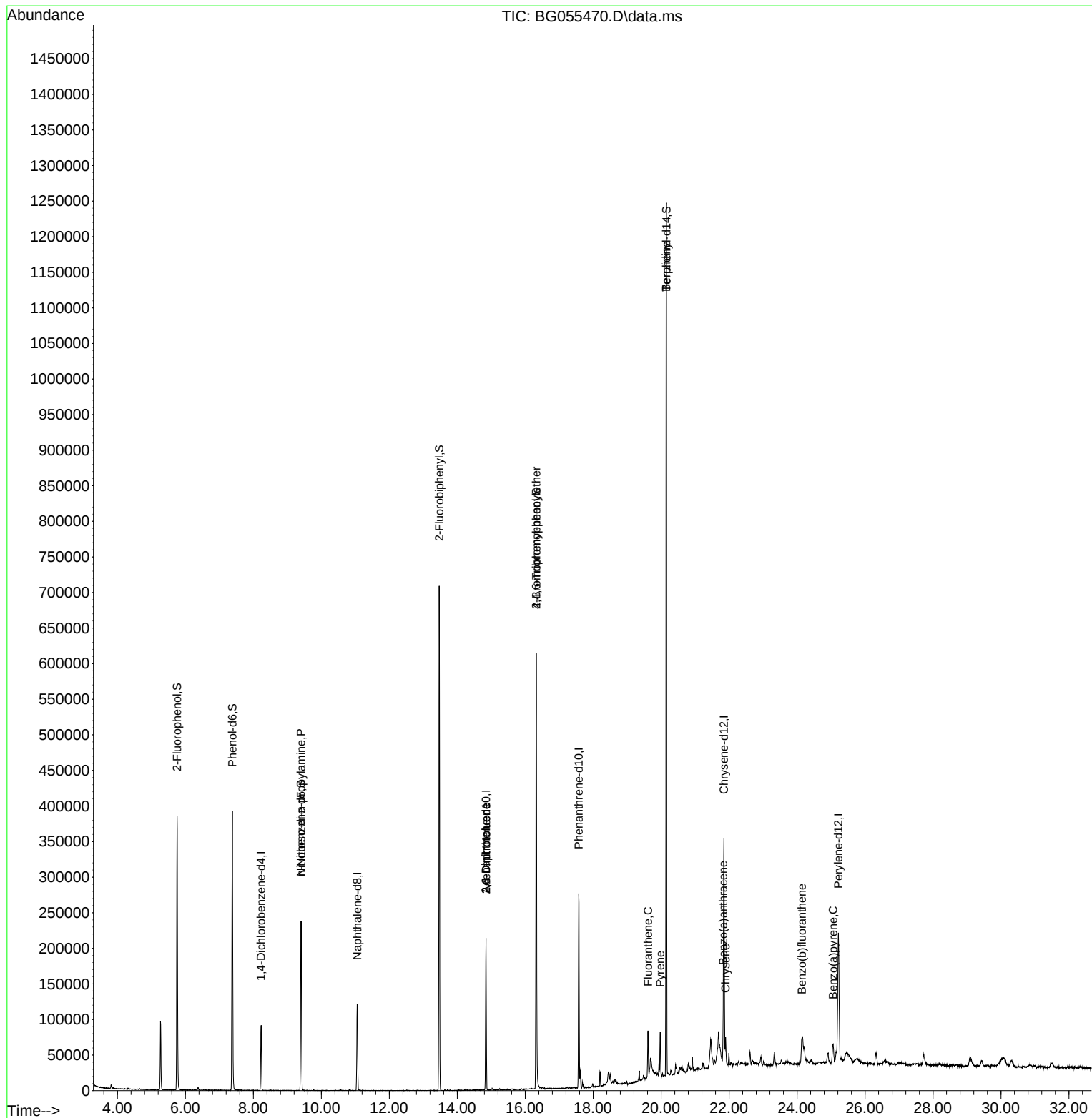
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.229  | 152  | 27264    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 11.055 | 136  | 112176   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.845 | 164  | 77940    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.577 | 188  | 183528   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.848 | 240  | 192952   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 25.215 | 264  | 208723   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.756  | 112  | 188619   | 124.241 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.383  | 99   | 246294   | 116.987 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.404  | 82   | 146211   | 69.465  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.325 | 330  | 142629   | 134.161 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.470 | 172  | 364617   | 69.361  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.156 | 244  | 656302   | 66.141  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 9.404  | 70   | 19916    | 12.106  | ng    | # 79     |
| 51) 2,6-Dinitrotoluene        | 14.845 | 165  | 10162    | 7.461   | ng    | # 27     |
| 57) 2,4-Dinitrotoluene        | 14.845 | 165  | 10162    | 5.218   | ng    | # 25     |
| 67) 4-Bromophenyl-phenylether | 16.325 | 248  | 8756     | 4.036   | ng    | # 1      |
| 75) Fluoranthene              | 19.616 | 202  | 42256    | 3.403   | ng    | 98       |
| 77) Benzidine                 | 20.150 | 184  | 9118     | 2.270   | ng    | # 86     |
| 78) Pyrene                    | 19.974 | 202  | 40096    | 2.946   | ng    | 98       |
| 81) Benzo(a)anthracene        | 21.825 | 228  | 29153    | 2.201   | ng    | 99       |
| 83) Chrysene                  | 21.895 | 228  | 30727    | 2.432   | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 24.140 | 252  | 40399    | 3.047   | ng    | 97       |
| 90) Benzo(a)pyrene            | 25.062 | 252  | 32804    | 2.862   | ng    | 98       |
| -----                         |        |      |          |         |       |          |

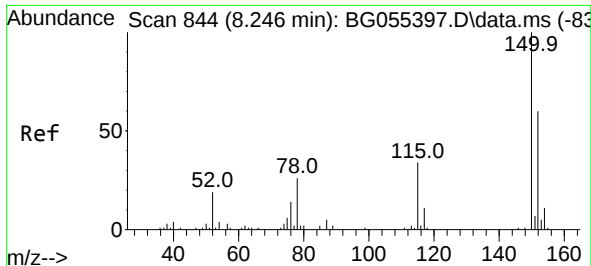
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG110522\  
Data File : BG055470.D  
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Quant Time: Nov 07 00:54:13 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG110122.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Nov 07 00:51:08 2022  
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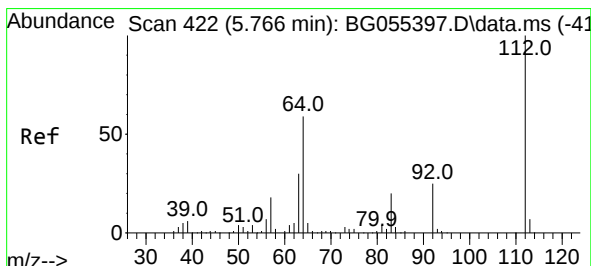
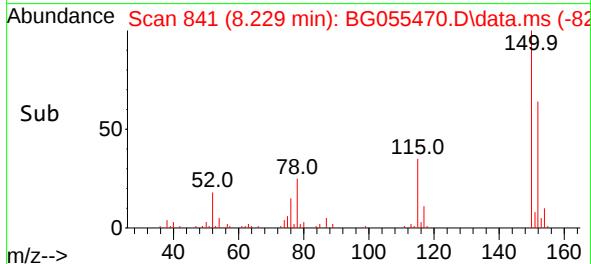
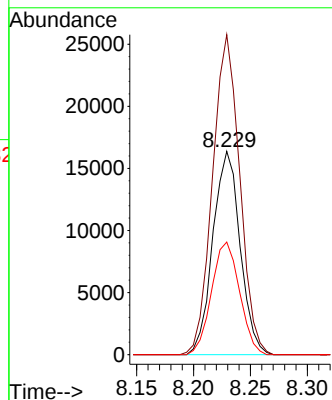
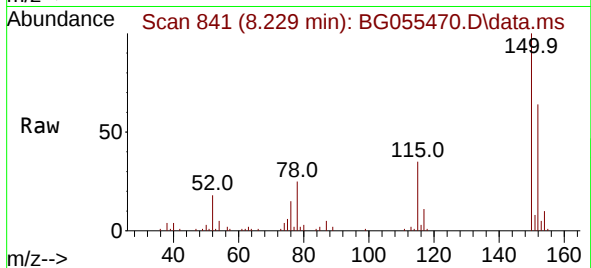




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.229 min Scan# 844  
Delta R.T. -0.001 min  
Lab File: BG055470.D  
Acq: 5 Nov 2022 14:40

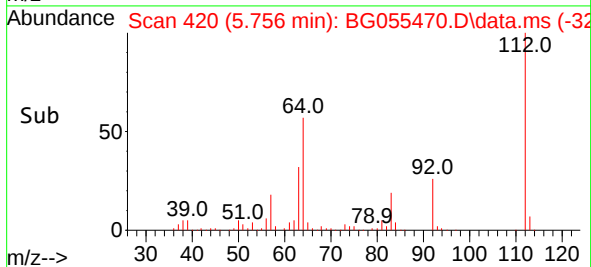
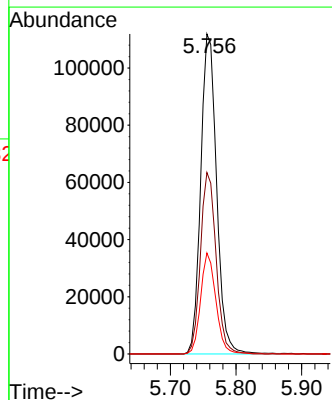
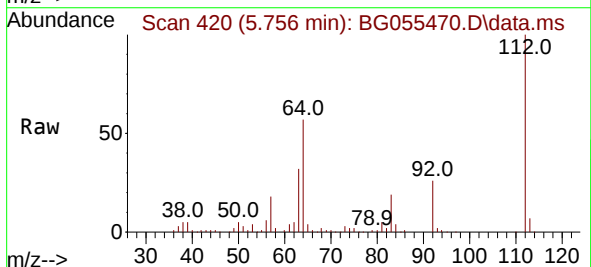
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ClientSampleId :  
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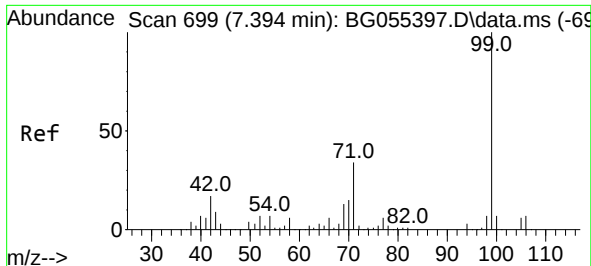
Tgt Ion:152 Resp: 27264  
Ion Ratio Lower Upper  
152 100  
150 157.4 132.8 199.2  
115 55.4 45.1 67.7



#5  
2-Fluorophenol  
Concen: 124.241 ng  
RT: 5.756 min Scan# 420  
Delta R.T. 0.005 min  
Lab File: BG055470.D  
Acq: 5 Nov 2022 14:40

Tgt Ion:112 Resp: 188619  
Ion Ratio Lower Upper  
112 100  
64 56.7 47.2 70.8  
63 31.5 24.3 36.5

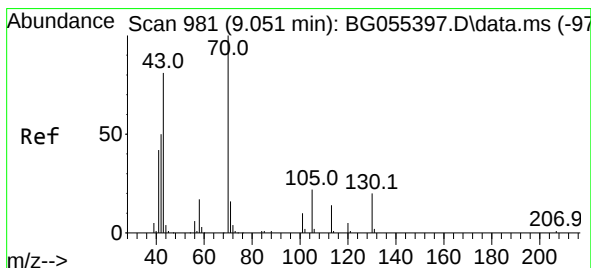
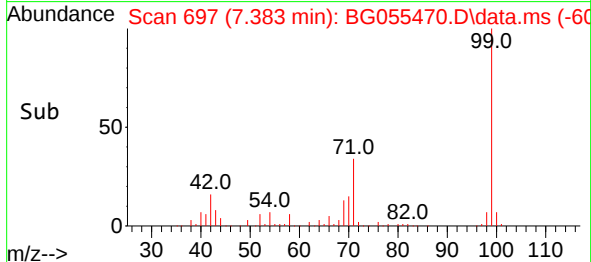
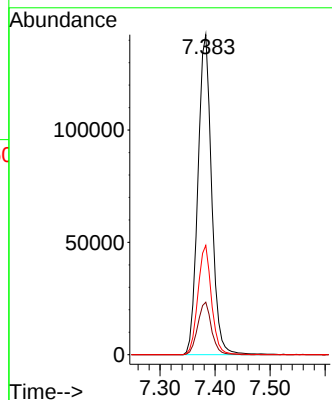
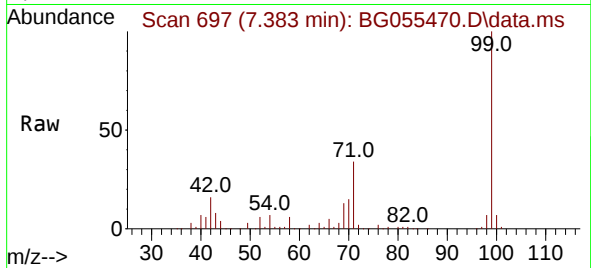




#7  
Phenol-d6  
Concen: 116.987 ng  
RT: 7.383 min Scan# 697  
Delta R.T. 0.005 min  
Lab File: BG055470.D  
Acq: 5 Nov 2022 14:40

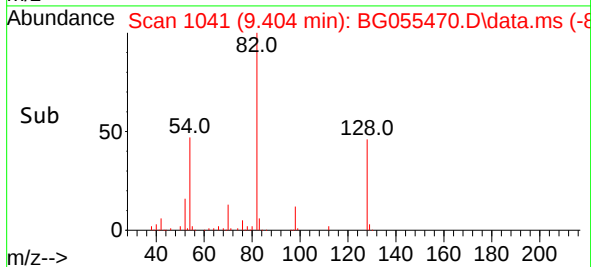
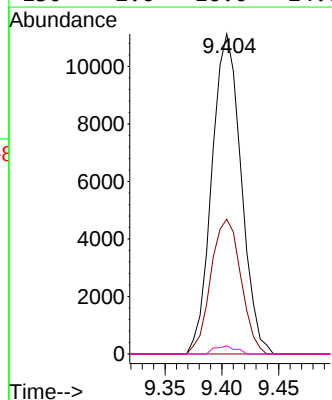
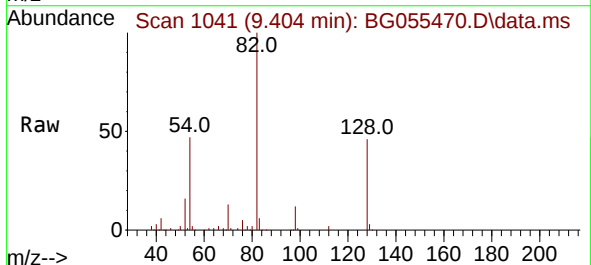
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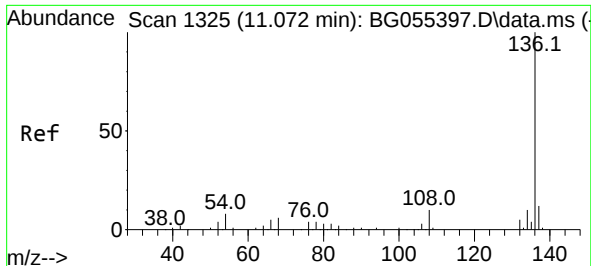
Tgt Ion: 99 Resp: 246294  
Ion Ratio Lower Upper  
99 100  
42 16.4 13.5 20.3  
71 34.1 27.4 41.0



#19  
n-Nitroso-di-n-propylamine  
Concen: 12.106 ng  
RT: 9.404 min Scan# 1041  
Delta R.T. 0.369 min  
Lab File: BG055470.D  
Acq: 5 Nov 2022 14:40

Tgt Ion: 70 Resp: 19916  
Ion Ratio Lower Upper  
70 100  
42 42.1 40.6 61.0  
101 0.0 7.8 11.6#  
130 2.6 16.0 24.0#





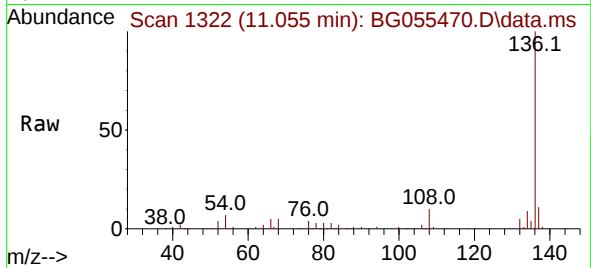
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.055 min Scan# 11  
Delta R.T. -0.001 min  
Lab File: BG055470.D  
Acq: 5 Nov 2022 14:40

Instrument :

BNA\_G

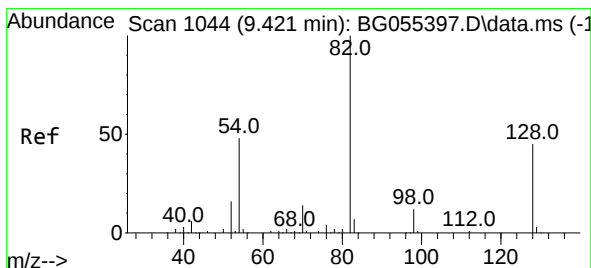
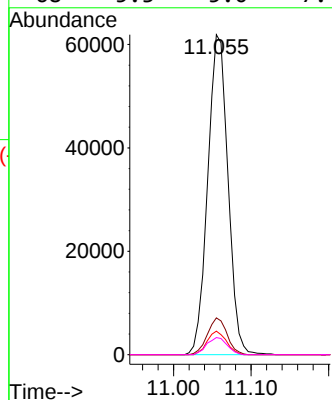
ClientSampleId :

SB-01-COMP

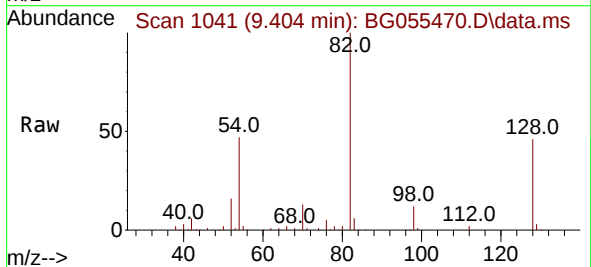


Tgt Ion:136 Resp: 112176

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.5  | 9.4   | 14.2  |
| 54  | 7.3   | 6.1   | 9.1   |
| 68  | 5.3   | 5.0   | 7.4   |

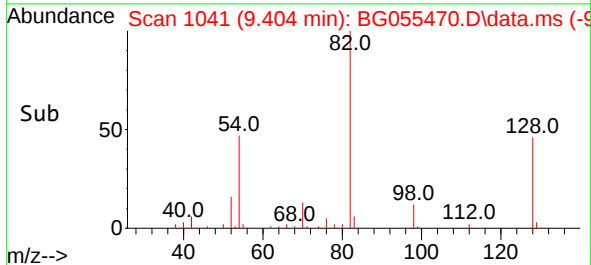
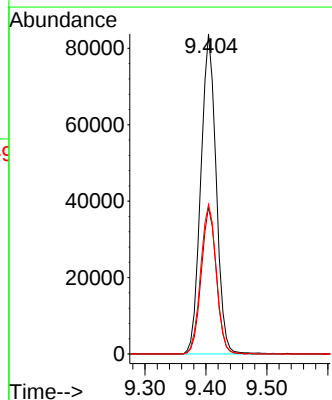


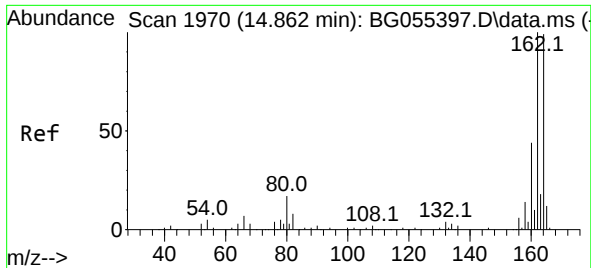
#23  
Nitrobenzene-d5  
Concen: 69.465 ng  
RT: 9.404 min Scan# 1041  
Delta R.T. -0.001 min  
Lab File: BG055470.D  
Acq: 5 Nov 2022 14:40



Tgt Ion: 82 Resp: 146211

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 45.9  | 35.8  | 53.8  |
| 54  | 46.7  | 38.1  | 57.1  |

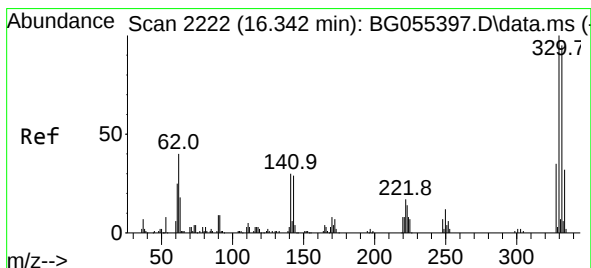
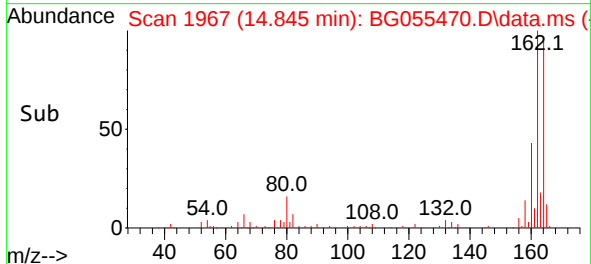
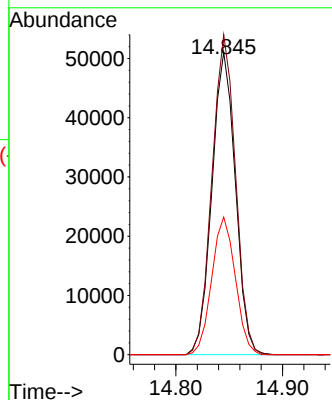
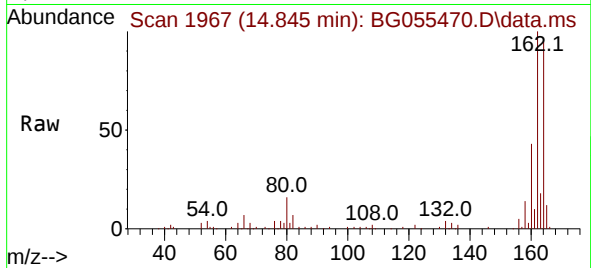




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.845 min Scan# 1970  
Delta R.T. -0.001 min  
Lab File: BG055470.D  
Acq: 5 Nov 2022 14:40

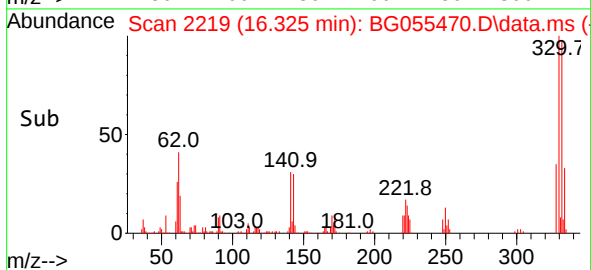
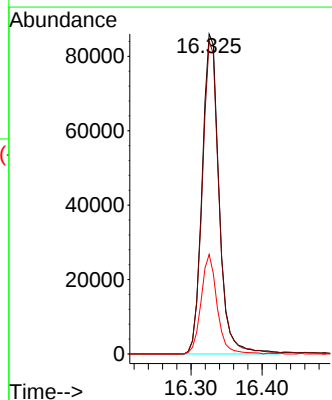
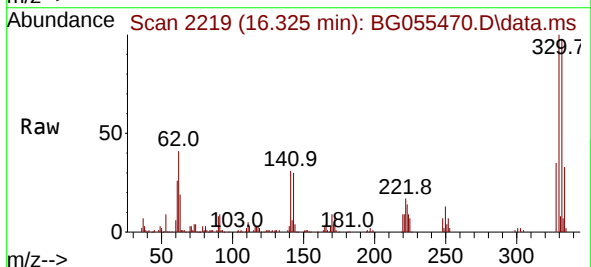
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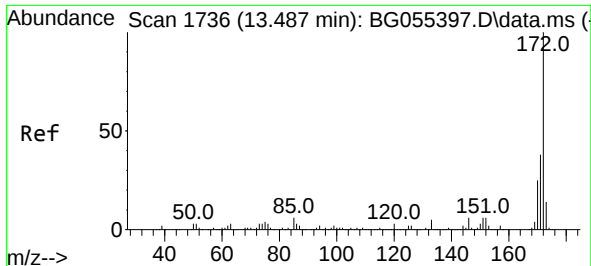
Tgt Ion:164 Resp: 77940  
Ion Ratio Lower Upper  
164 100  
162 105.8 81.1 121.7  
160 45.5 35.8 53.6



#42  
2,4,6-Tribromophenol  
Concen: 134.161 ng  
RT: 16.325 min Scan# 2219  
Delta R.T. -0.007 min  
Lab File: BG055470.D  
Acq: 5 Nov 2022 14:40

Tgt Ion:330 Resp: 142629  
Ion Ratio Lower Upper  
330 100  
332 97.4 77.8 116.6  
141 29.4 24.2 36.2

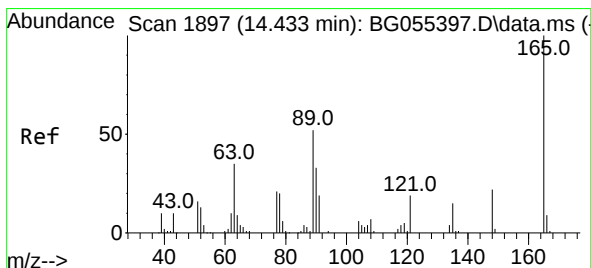
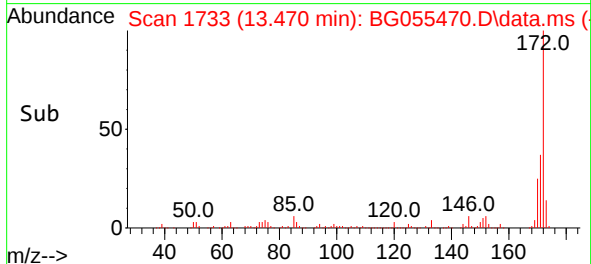
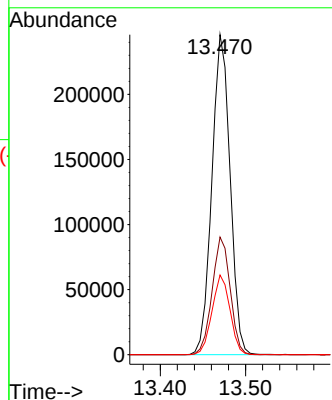
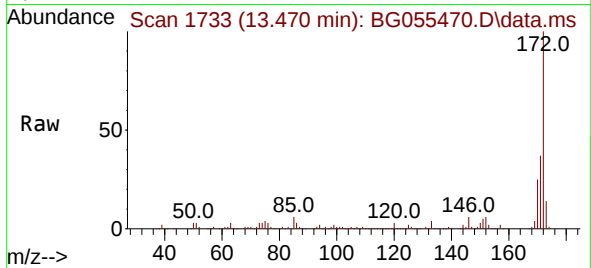




#45  
2-Fluorobiphenyl  
Concen: 69.361 ng  
RT: 13.470 min Scan# 1  
Delta R.T. -0.001 min  
Lab File: BG055470.D  
Acq: 5 Nov 2022 14:40

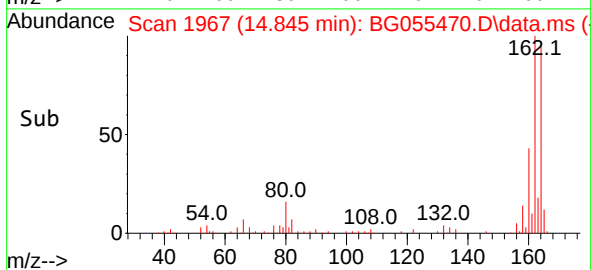
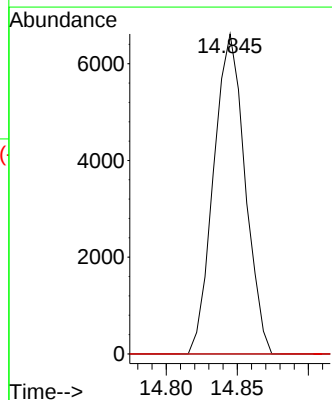
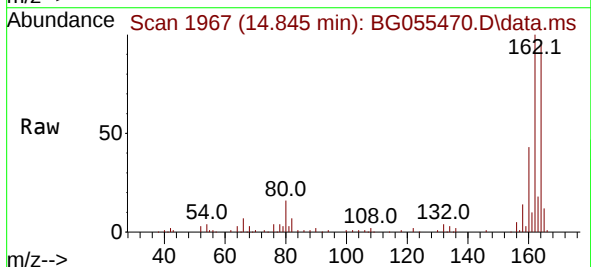
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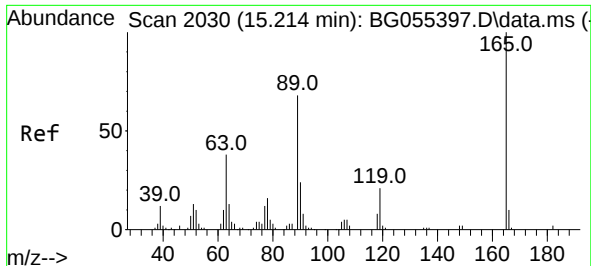
Tgt Ion:172 Resp: 364617  
Ion Ratio Lower Upper  
172 100  
171 36.8 30.2 45.2  
170 24.9 20.2 30.2



#51  
2,6-Dinitrotoluene  
Concen: 7.461 ng  
RT: 14.845 min Scan# 1967  
Delta R.T. 0.422 min  
Lab File: BG055470.D  
Acq: 5 Nov 2022 14:40

Tgt Ion:165 Resp: 10162  
Ion Ratio Lower Upper  
165 100  
63 0.0 38.2 57.4#  
89 0.0 41.8 62.6#

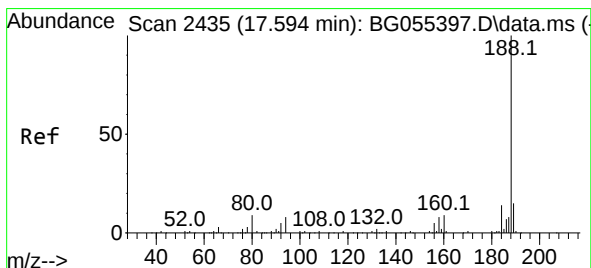
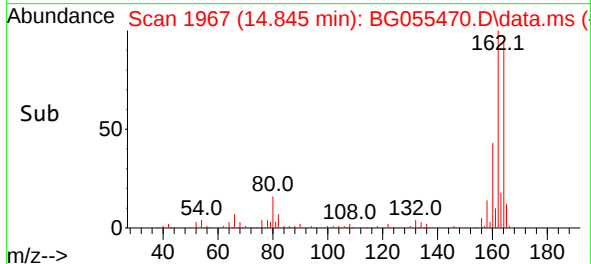
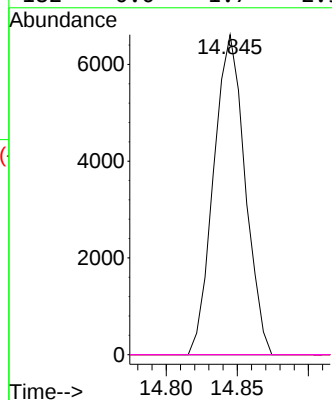
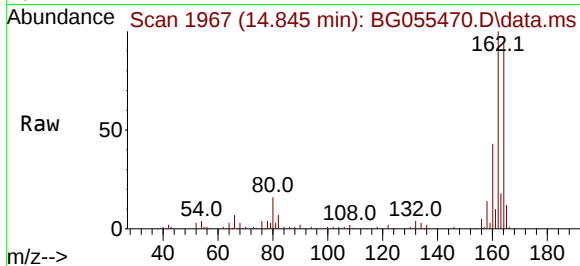




#57  
2,4-Dinitrotoluene  
Concen: 5.218 ng  
RT: 14.845 min Scan# 1967  
Delta R.T. -0.359 min  
Lab File: BG055470.D  
Acq: 5 Nov 2022 14:40

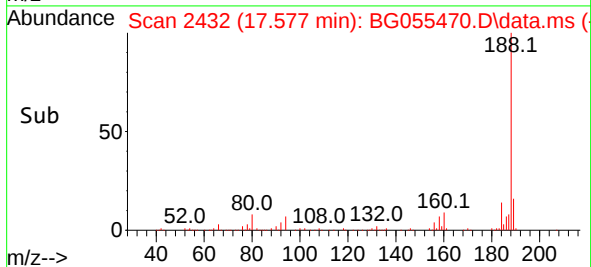
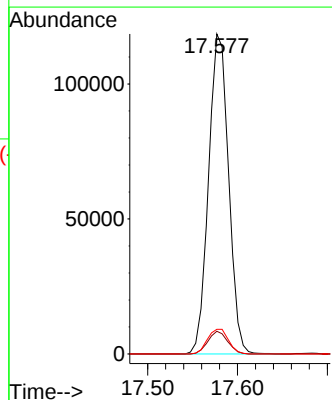
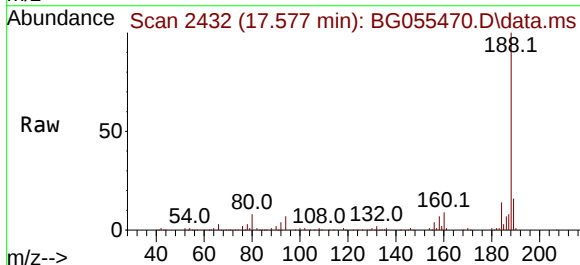
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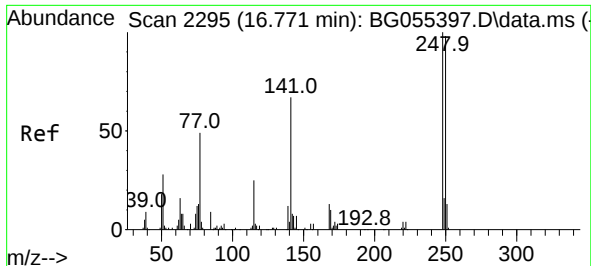
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Ion Ratio Lower Upper  
165 100  
63 0.0 30.8 46.2#  
89 0.0 54.5 81.7#  
182 0.0 1.7 2.5#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.577 min Scan# 2432  
Delta R.T. -0.007 min  
Lab File: BG055470.D  
Acq: 5 Nov 2022 14:40

Tgt Ion:188 Resp: 183528  
Ion Ratio Lower Upper  
188 100  
94 7.1 6.5 9.7  
80 7.7 7.4 11.0

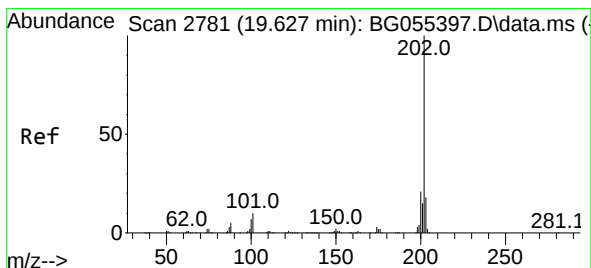
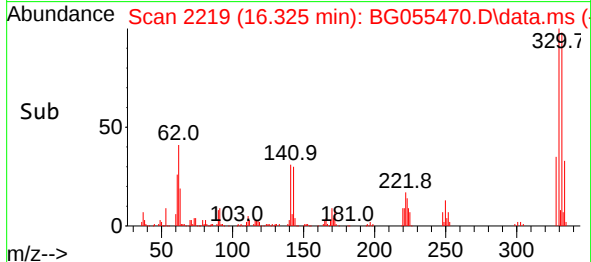
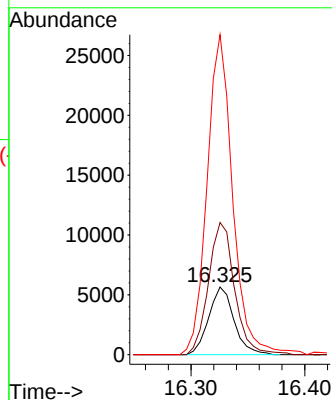
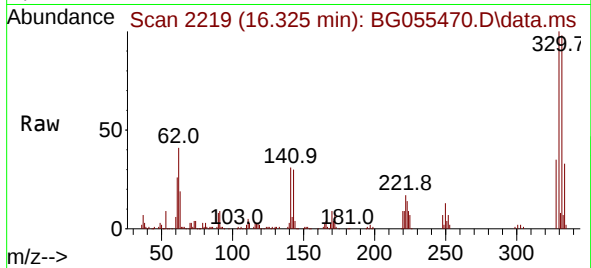




#67  
4-Bromophenyl-phenylether  
Concen: 4.036 ng  
RT: 16.325 min Scan# 21  
Delta R.T. -0.436 min  
Lab File: BG055470.D  
Acq: 5 Nov 2022 14:40

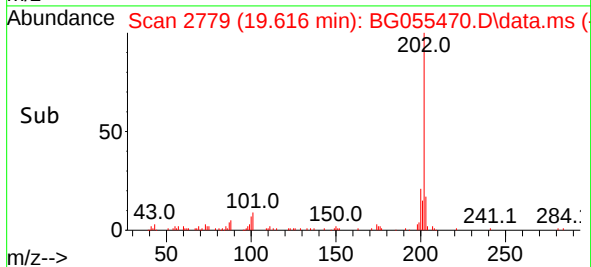
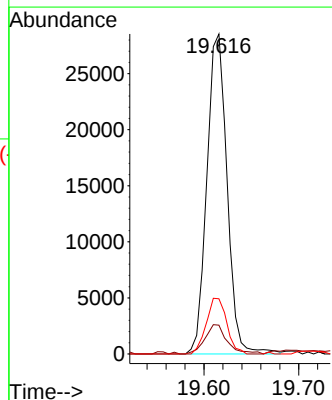
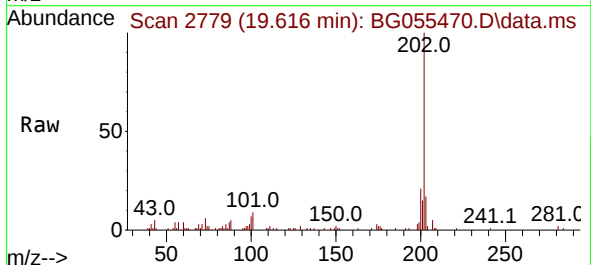
Instrument :  
BNA\_G  
ClientSampleId :  
SB-01-COMP

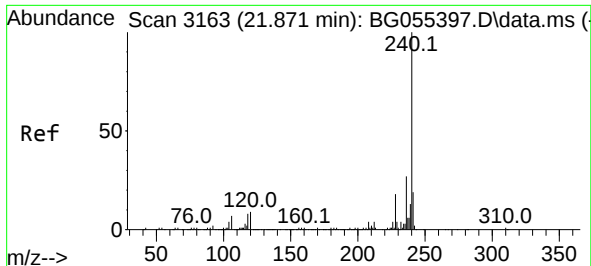
Tgt Ion:248 Resp: 8756  
Ion Ratio Lower Upper  
248 100  
250 195.4 78.3 117.5#  
141 472.8 53.7 80.5#



#75  
Fluoranthene  
Concen: 3.403 ng  
RT: 19.616 min Scan# 2779  
Delta R.T. -0.001 min  
Lab File: BG055470.D  
Acq: 5 Nov 2022 14:40

Tgt Ion:202 Resp: 42256  
Ion Ratio Lower Upper  
202 100  
101 9.0 0.0 29.8  
203 17.2 0.0 38.1

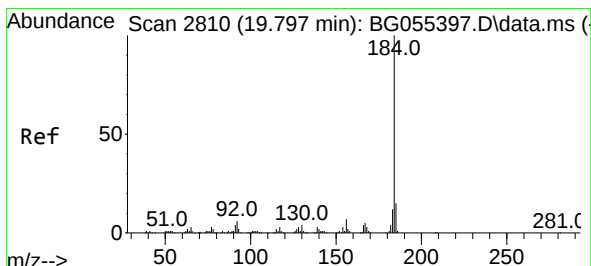
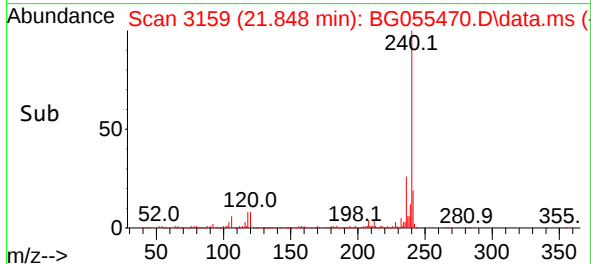
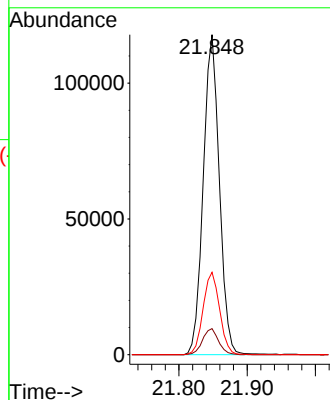
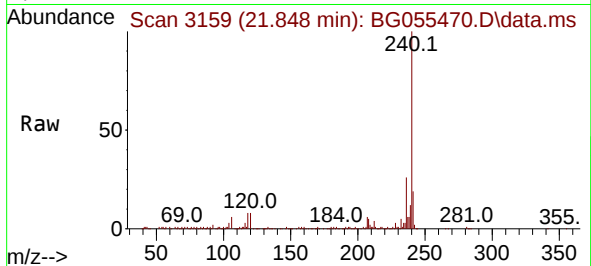




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.848 min Scan# 3163  
Delta R.T. -0.007 min  
Lab File: BG055470.D  
Acq: 5 Nov 2022 14:40

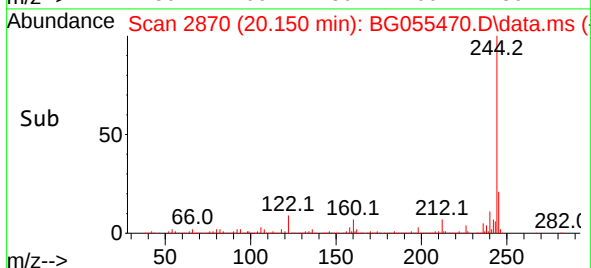
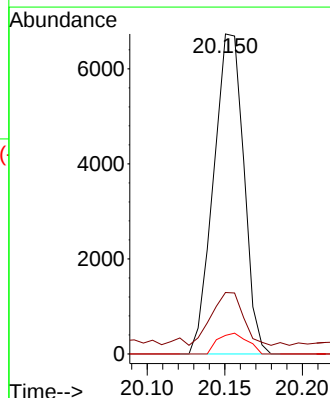
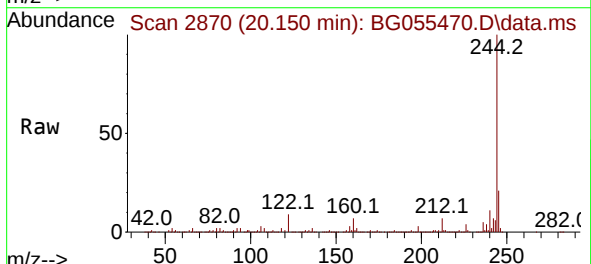
Instrument :  
BNA\_G  
ClientSampleId :  
SB-01-COMP

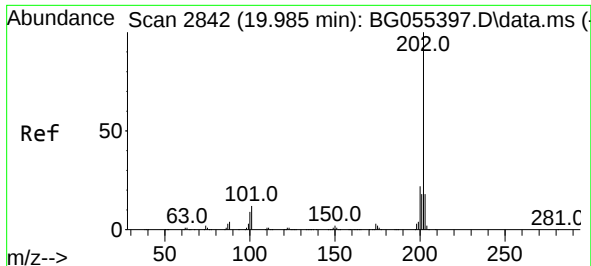
Tgt Ion:240 Resp: 192952  
Ion Ratio Lower Upper  
240 100  
120 8.1 6.9 10.3  
236 25.8 21.5 32.3



#77  
Benzidine  
Concen: 2.270 ng  
RT: 20.150 min Scan# 2870  
Delta R.T. 0.364 min  
Lab File: BG055470.D  
Acq: 5 Nov 2022 14:40

Tgt Ion:184 Resp: 9118  
Ion Ratio Lower Upper  
184 100  
185 19.2 11.7 17.5#  
183 5.8 9.8 14.8#

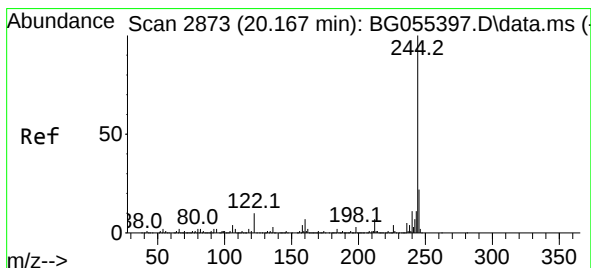
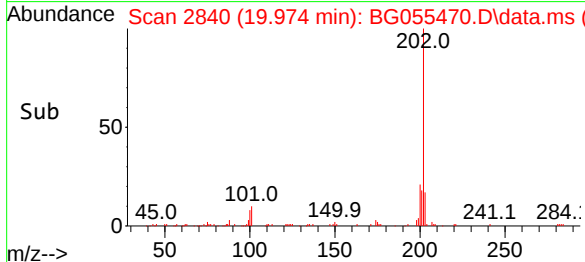
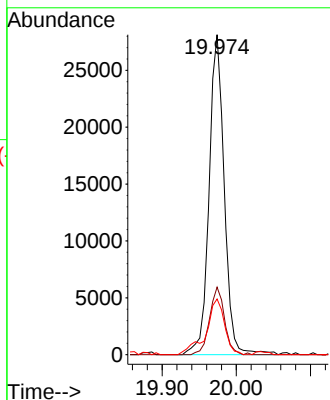
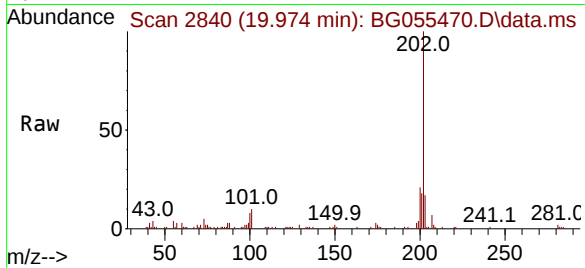




#78  
Pyrene  
Concen: 2.946 ng  
RT: 19.974 min Scan# 21  
Delta R.T. -0.001 min  
Lab File: BG055470.D  
Acq: 5 Nov 2022 14:40

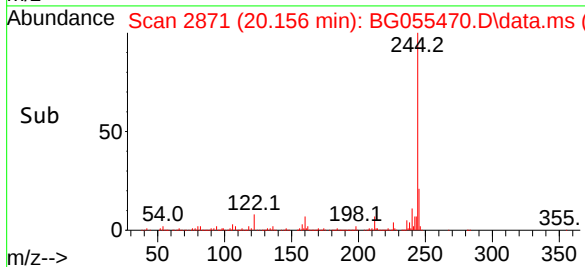
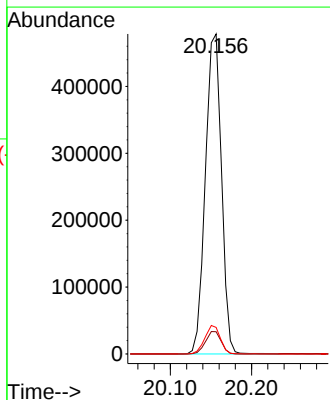
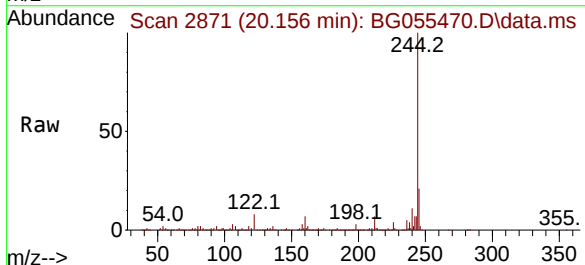
Instrument :  
BNA\_G  
ClientSampleId :  
SB-01-COMP

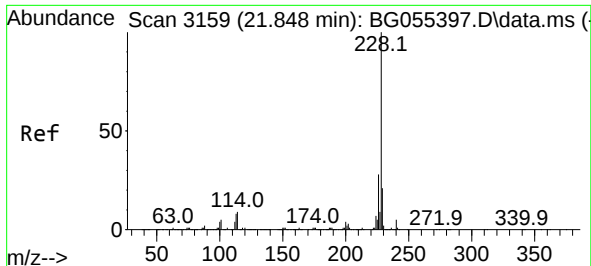
Tgt Ion:202 Resp: 40096  
Ion Ratio Lower Upper  
202 100  
200 21.1 17.4 26.2  
203 17.4 14.7 22.1



#79  
Terphenyl-d14  
Concen: 66.141 ng  
RT: 20.156 min Scan# 2871  
Delta R.T. -0.001 min  
Lab File: BG055470.D  
Acq: 5 Nov 2022 14:40

Tgt Ion:244 Resp: 656302  
Ion Ratio Lower Upper  
244 100  
212 7.0 5.8 8.8  
122 8.3 7.8 11.6

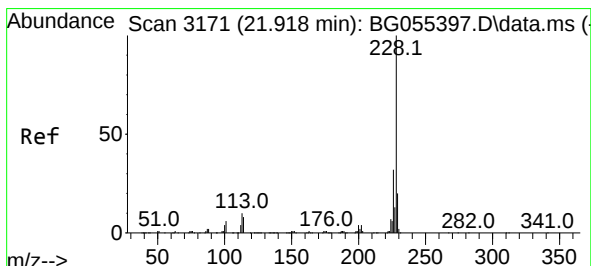
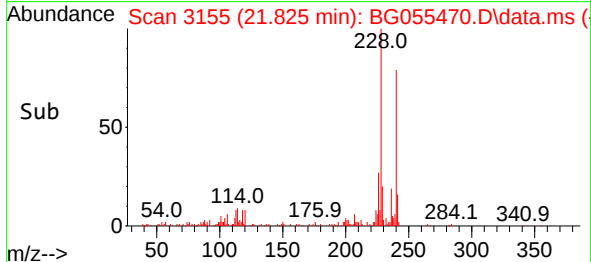
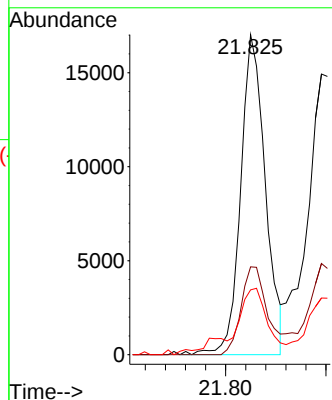
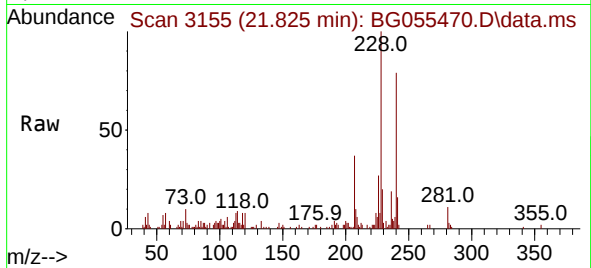




#81  
Benzo(a)anthracene  
Concen: 2.201 ng  
RT: 21.825 min Scan# 3155  
Delta R.T. -0.007 min  
Lab File: BG055470.D  
Acq: 5 Nov 2022 14:40

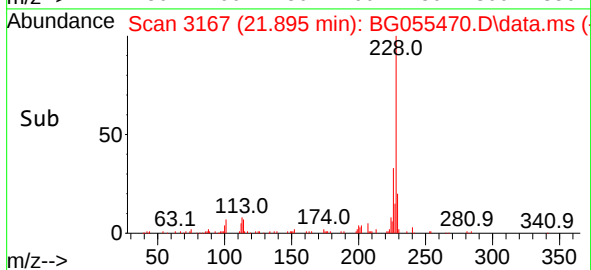
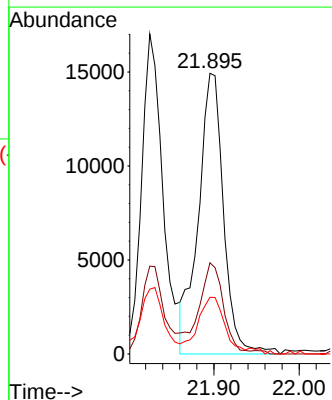
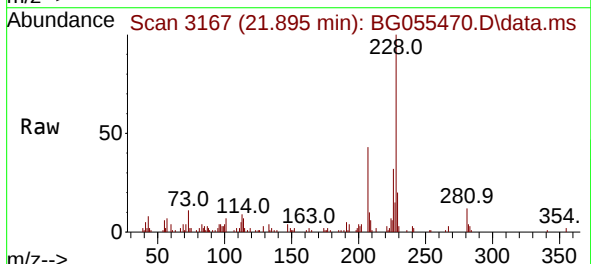
Instrument :  
BNA\_G  
ClientSampleId :  
SB-01-COMP

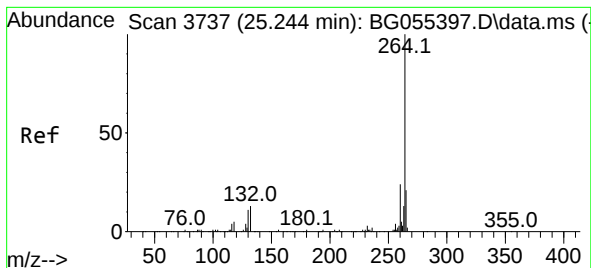
Tgt Ion:228 Resp: 29153  
Ion Ratio Lower Upper  
228 100  
226 27.4 22.6 33.8  
229 20.2 16.5 24.7



#83  
Chrysene  
Concen: 2.432 ng  
RT: 21.895 min Scan# 3167  
Delta R.T. -0.007 min  
Lab File: BG055470.D  
Acq: 5 Nov 2022 14:40

Tgt Ion:228 Resp: 30727  
Ion Ratio Lower Upper  
228 100  
226 32.5 25.2 37.8  
229 20.2 16.2 24.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.215 min Scan# 31

Delta R.T. -0.007 min

Lab File: BG055470.D

Acq: 5 Nov 2022 14:40

Instrument :

BNA\_G

ClientSampleId :

SB-01-COMP

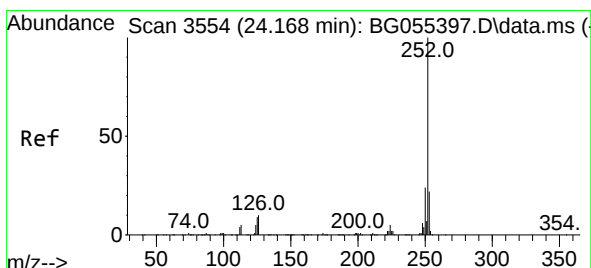
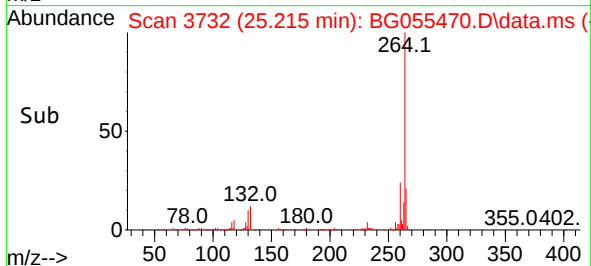
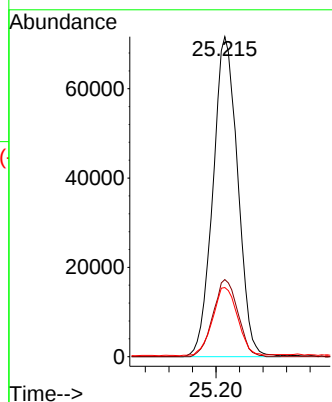
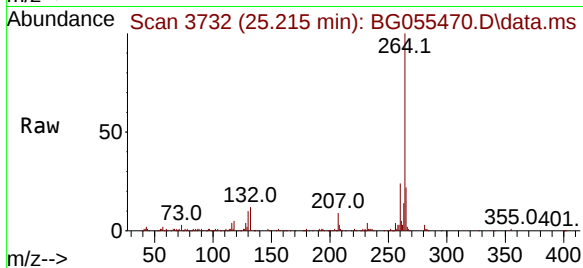
Tgt Ion:264 Resp: 208723

Ion Ratio Lower Upper

264 100

260 24.1 18.9 28.3

265 21.6 17.1 25.7



#88

Benzo(b)fluoranthene

Concen: 3.047 ng

RT: 24.140 min Scan# 3549

Delta R.T. -0.007 min

Lab File: BG055470.D

Acq: 5 Nov 2022 14:40

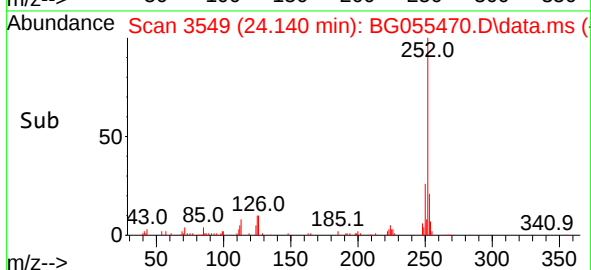
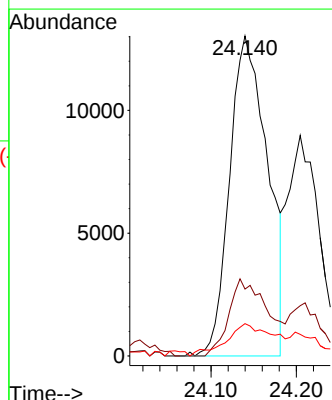
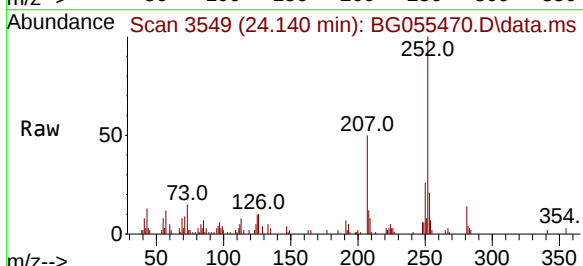
Tgt Ion:252 Resp: 40399

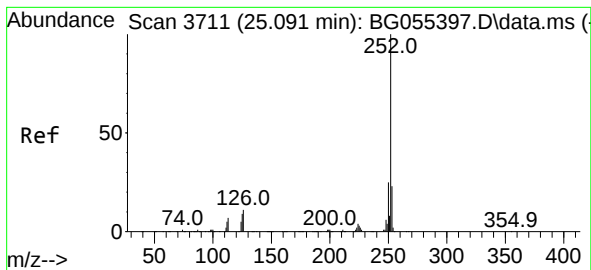
Ion Ratio Lower Upper

252 100

253 20.9 17.8 26.8

125 10.1 6.8 10.2





#90

Benzo(a)pyrene

Concen: 2.862 ng

RT: 25.062 min Scan# 31

Delta R.T. -0.001 min

Lab File: BG055470.D

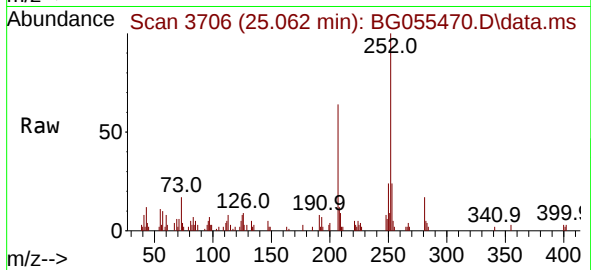
Acq: 5 Nov 2022 14:40

Instrument :

BNA\_G

ClientSampleId :

SB-01-COMP



Tgt Ion:252 Resp: 32804

Ion Ratio Lower Upper

252 100

253 23.9 18.2 27.2

125 8.5 7.1 10.7

