

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG040522\  
 Data File : BG053050.D  
 Acq On : 6 Apr 2022 2:59  
 Operator : CG/JU  
 Sample : N2256-03 5X  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SU-03-040422

Quant Time: Apr 06 04:16:46 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG031522.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Apr 05 14:24:42 2022  
 Response via : Initial Calibration

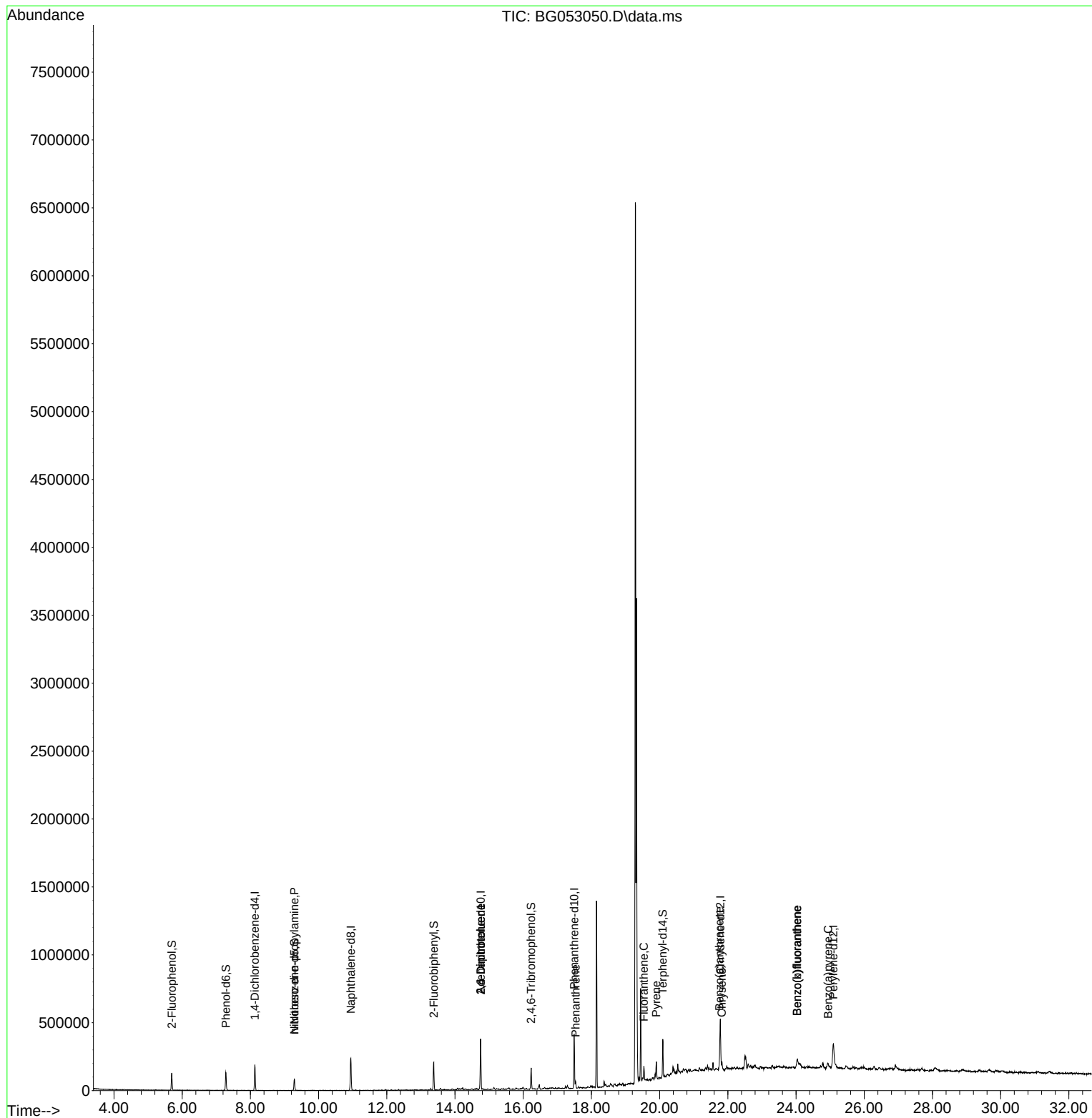
| Compound                      | R.T.   | QIon | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|--------|----------|
| -----                         |        |      |          |           |        |          |
| Internal Standards            |        |      |          |           |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.131  | 152  | 49635    | 20.000    | ng     | -0.01    |
| 21) Naphthalene-d8            | 10.945 | 136  | 197559   | 20.000    | ng     | -0.01    |
| 39) Acenaphthene-d10          | 14.752 | 164  | 127666   | 20.000    | ng     | -0.01    |
| 64) Phenanthrene-d10          | 17.495 | 188  | 257475   | 20.000    | ng     | 0.00     |
| 76) Chrysene-d12              | 21.778 | 240  | 228007   | 20.000    | ng     | -0.02    |
| 86) Perylene-d12              | 25.091 | 264  | 230504   | 20.000    | ng     | -0.02    |
| System Monitoring Compounds   |        |      |          |           |        |          |
| 5) 2-Fluorophenol             | 5.693  | 112  | 51371    | 18.024    | ng     | 0.00     |
| 7) Phenol-d6                  | 7.279  | 99   | 76494    | 17.802    | ng     | 0.00     |
| 23) Nitrobenzene-d5           | 9.289  | 82   | 54135    | 13.753    | ng     | -0.01    |
| 42) 2,4,6-Tribromophenol      | 16.232 | 330  | 29231    | 17.039    | ng     | -0.01    |
| 45) 2-Fluorobiphenyl          | 13.377 | 172  | 108563   | 12.542    | ng     | -0.01    |
| 79) Terphenyl-d14             | 20.092 | 244  | 143308   | 11.180    | ng     | -0.02    |
| Target Compounds              |        |      |          |           |        |          |
|                               |        |      |          |           | Qvalue |          |
| 9) Benzaldehyde               | 7.274  | 77   | 55       | Below Cal | #      | 5        |
| 19) n-Nitroso-di-n-propyla... | 9.289  | 70   | 7867     | 2.585     | ng     | # 69     |
| 51) 2,6-Dinitrotoluene        | 14.752 | 165  | 17659    | 11.023    | ng     | # 25     |
| 57) 2,4-Dinitrotoluene        | 14.752 | 165  | 17659    | 7.945     | ng     | # 24     |
| 71) Phenanthrene              | 17.536 | 178  | 30954    | 2.247     | ng     | 98       |
| 75) Fluoranthene              | 19.539 | 202  | 68924    | 3.942     | ng     | 98       |
| 78) Pyrene                    | 19.904 | 202  | 77514    | 4.901     | ng     | 95       |
| 81) Benzo(a)anthracene        | 21.754 | 228  | 46208    | 3.027     | ng     | 99       |
| 83) Chrysene                  | 21.825 | 228  | 48876    | 3.405     | ng     | 96       |
| 88) Benzo(b)fluoranthene      | 24.033 | 252  | 109074   | 7.621     | ng     | # 90     |
| 89) Benzo(k)fluoranthene      | 24.033 | 252  | 109074   | 7.746     | ng     | # 91     |
| 90) Benzo(a)pyrene            | 24.938 | 252  | 55643    | 4.593     | ng     | # 90     |
| -----                         |        |      |          |           |        |          |

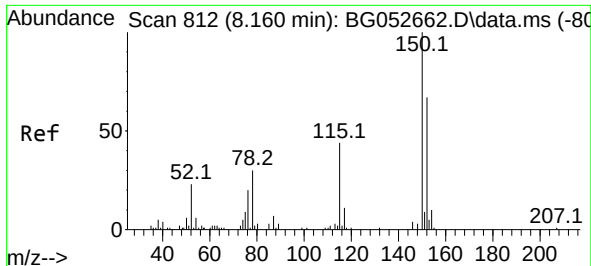
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG040522\  
Data File : BG053050.D  
Acq On : 6 Apr 2022 2:59  
Operator : CG/JU  
Sample : N2256-03 5X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
SU-03-040422

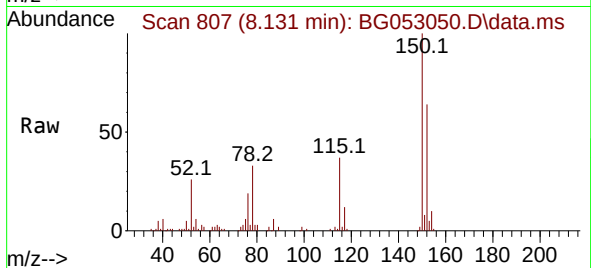
Quant Time: Apr 06 04:16:46 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG031522.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Apr 05 14:24:42 2022  
Response via : Initial Calibration



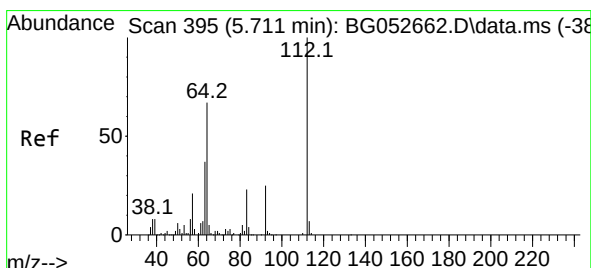
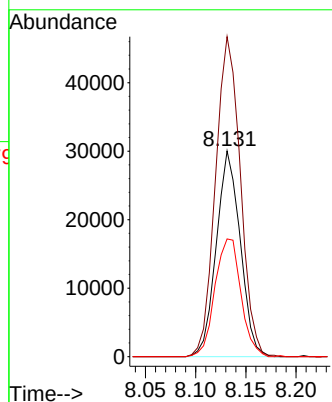
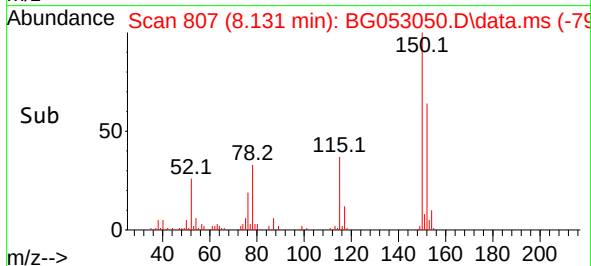


#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.131 min Scan# 80  
Delta R.T. -0.015 min  
Lab File: BG053050.D  
Acq: 6 Apr 2022 2:59

Instrument :  
BNA\_G  
ClientSampleId :  
SU-03-040422

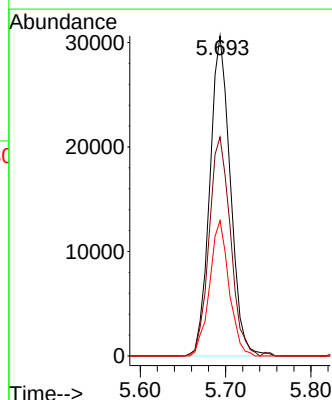
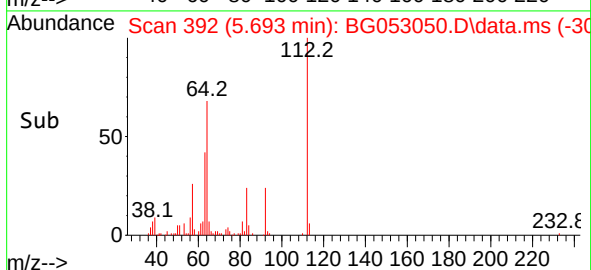
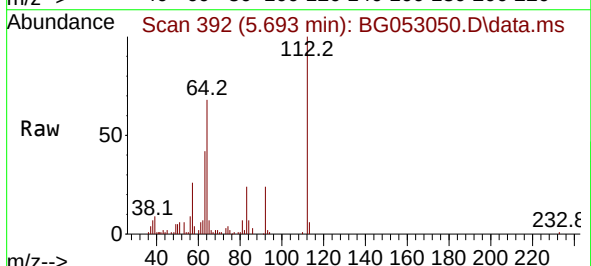


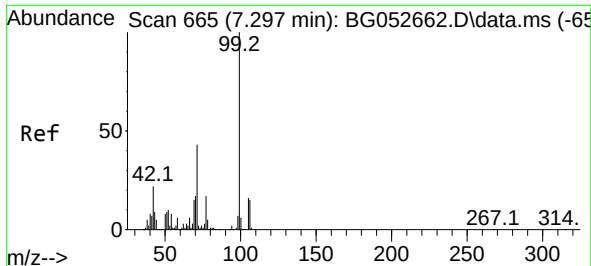
Tgt Ion:152 Resp: 49635  
Ion Ratio Lower Upper  
152 100  
150 155.6 114.6 172.0  
115 57.2 45.9 68.9



#5  
2-Fluorophenol  
Concen: 18.024 ng  
RT: 5.693 min Scan# 392  
Delta R.T. -0.003 min  
Lab File: BG053050.D  
Acq: 6 Apr 2022 2:59

Tgt Ion:112 Resp: 51371  
Ion Ratio Lower Upper  
112 100  
64 68.4 48.0 72.0  
63 42.3 26.5 39.7#

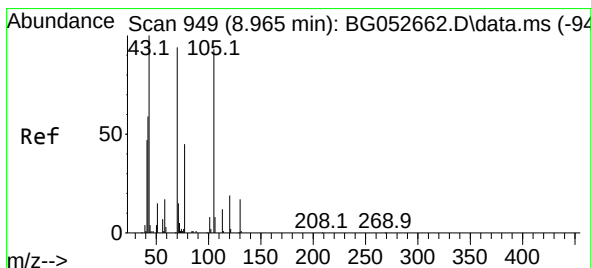
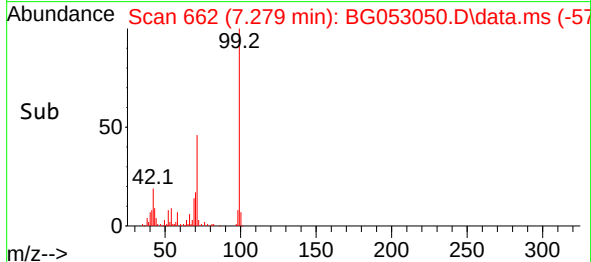
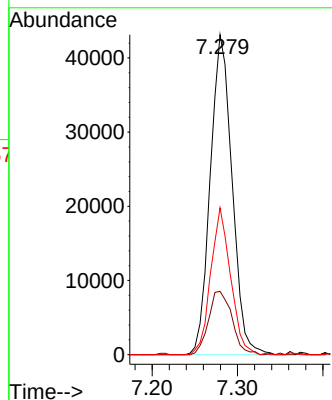
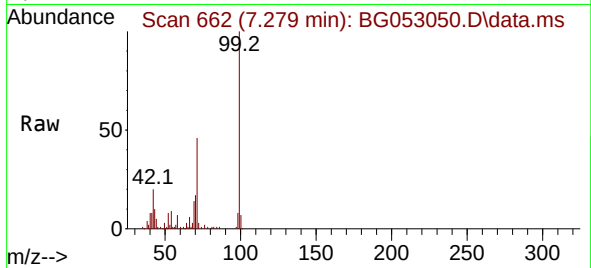




#7  
Phenol-d6  
Concen: 17.802 ng  
RT: 7.279 min Scan# 60  
Delta R.T. -0.009 min  
Lab File: BG053050.D  
Acq: 6 Apr 2022 2:59

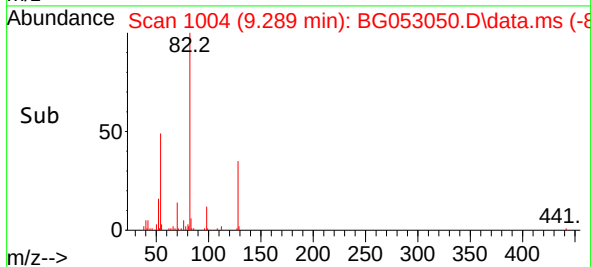
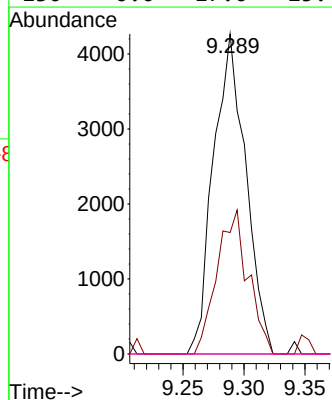
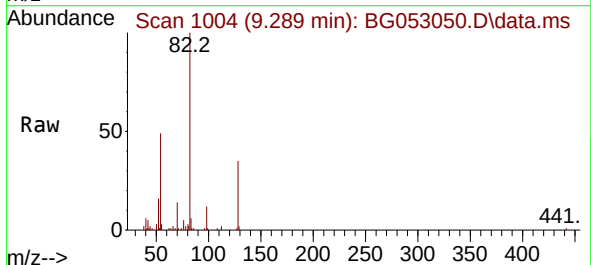
Instrument :  
BNA\_G  
ClientSampleId :  
SU-03-040422

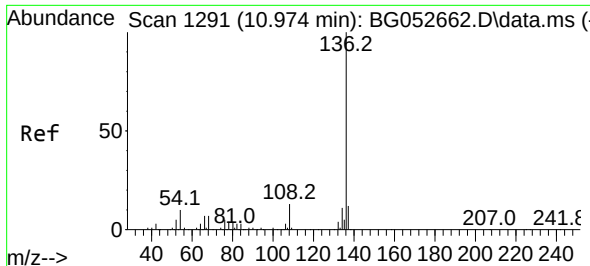
Tgt Ion: 99 Resp: 76494  
Ion Ratio Lower Upper  
99 100  
42 19.8 14.7 22.1  
71 45.9 29.2 43.8#



#19  
n-Nitroso-di-n-propylamine  
Concen: 2.585 ng  
RT: 9.289 min Scan# 1004  
Delta R.T. 0.344 min  
Lab File: BG053050.D  
Acq: 6 Apr 2022 2:59

Tgt Ion: 70 Resp: 7867  
Ion Ratio Lower Upper  
70 100  
42 37.9 46.0 69.0#  
101 0.0 6.2 9.4#  
130 0.0 17.0 25.4#



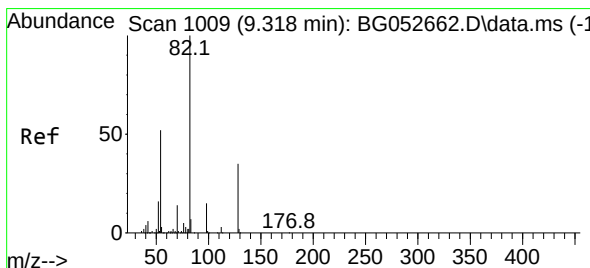
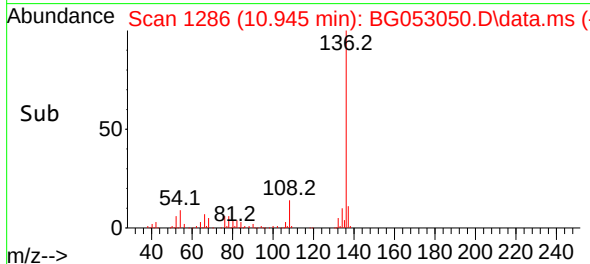
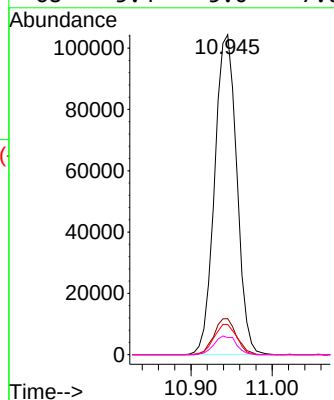
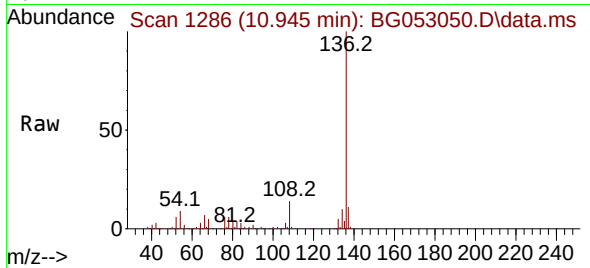


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.945 min Scan# 10945  
Delta R.T. -0.015 min  
Lab File: BG053050.D  
Acq: 6 Apr 2022 2:59

Instrument :  
BNA\_G  
ClientSampleId :  
SU-03-040422

Tgt Ion:136 Resp: 197559

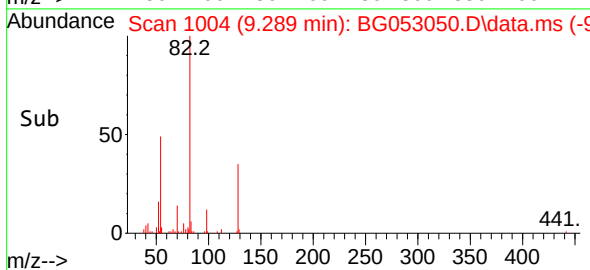
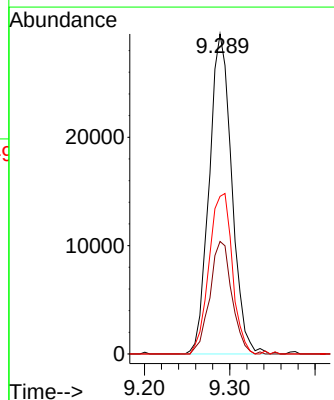
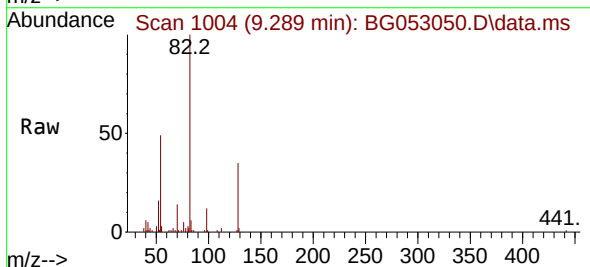
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.2  | 9.4   | 14.2  |
| 54  | 9.5   | 6.4   | 9.6   |
| 68  | 5.4   | 5.0   | 7.6   |

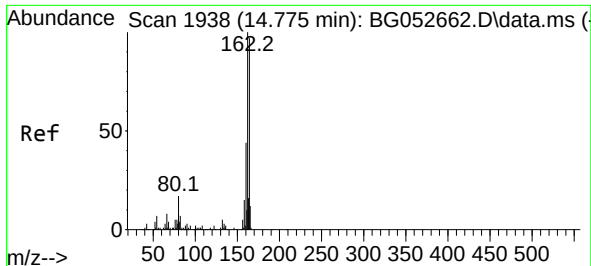


#23  
Nitrobenzene-d5  
Concen: 13.753 ng  
RT: 9.289 min Scan# 1004  
Delta R.T. -0.015 min  
Lab File: BG053050.D  
Acq: 6 Apr 2022 2:59

Tgt Ion: 82 Resp: 54135

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 35.2  | 31.3  | 46.9  |
| 54  | 49.2  | 37.8  | 56.8  |

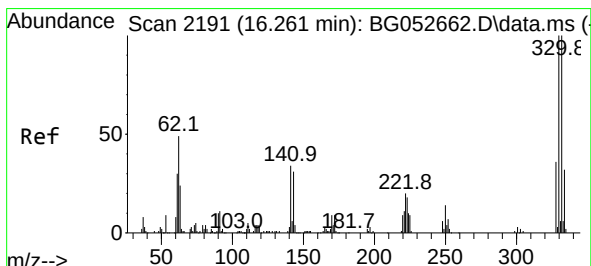
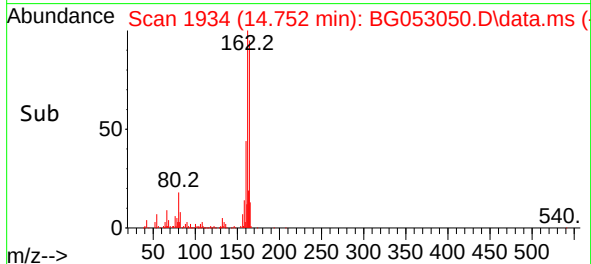
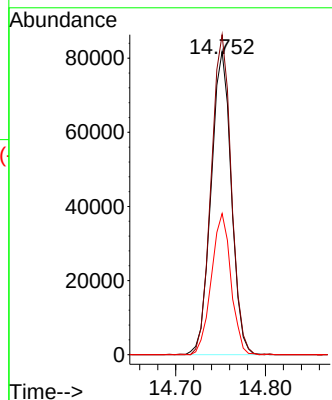
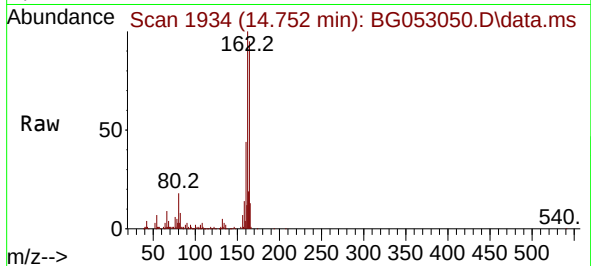




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.752 min Scan# 1934  
Delta R.T. -0.015 min  
Lab File: BG053050.D  
Acq: 6 Apr 2022 2:59

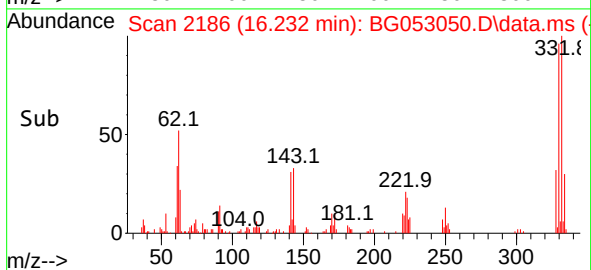
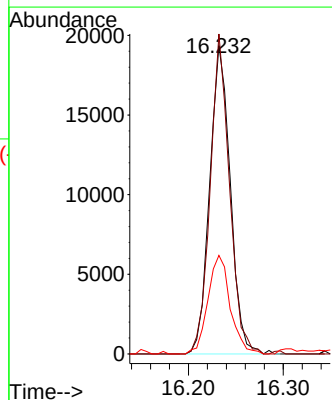
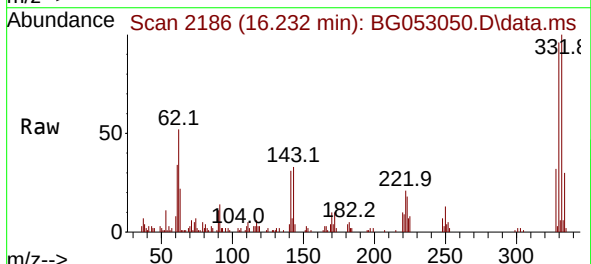
Instrument :  
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SU-03-040422

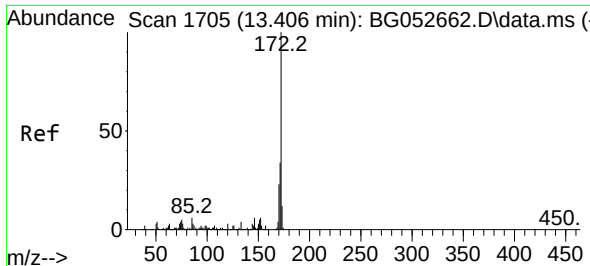
Tgt Ion:164 Resp: 127666  
Ion Ratio Lower Upper  
164 100  
162 105.5 80.0 120.0  
160 46.6 38.8 58.2



#42  
2,4,6-Tribromophenol  
Concen: 17.039 ng  
RT: 16.232 min Scan# 2186  
Delta R.T. -0.015 min  
Lab File: BG053050.D  
Acq: 6 Apr 2022 2:59

Tgt Ion:330 Resp: 29231  
Ion Ratio Lower Upper  
330 100  
332 97.0 75.8 113.6  
141 34.6 24.6 36.8

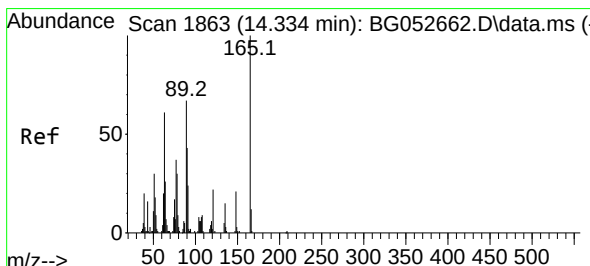
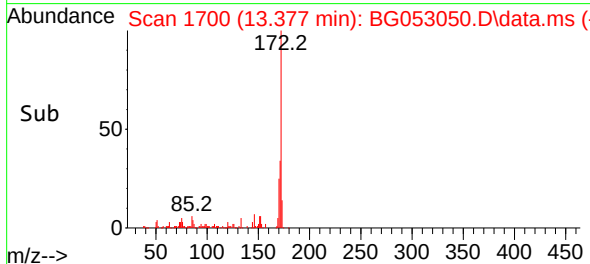
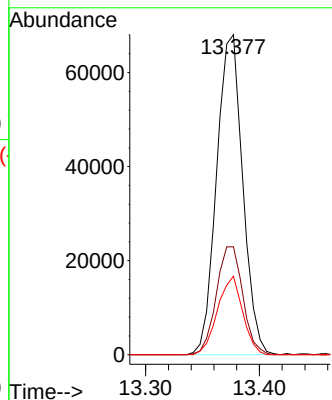
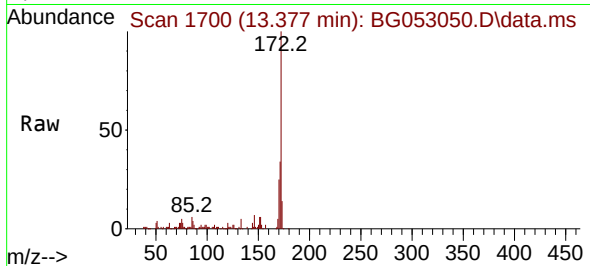




#45  
2-Fluorobiphenyl  
Concen: 12.542 ng  
RT: 13.377 min Scan# 1  
Delta R.T. -0.015 min  
Lab File: BG053050.D  
Acq: 6 Apr 2022 2:59

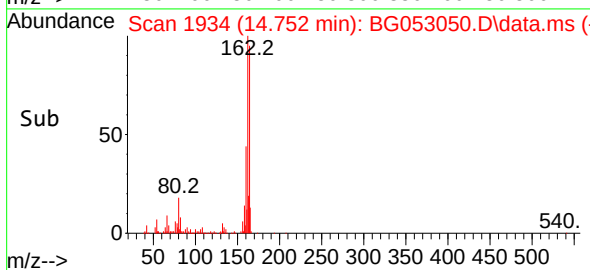
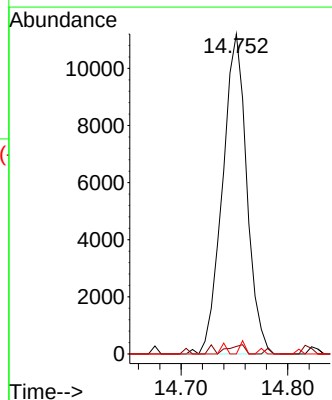
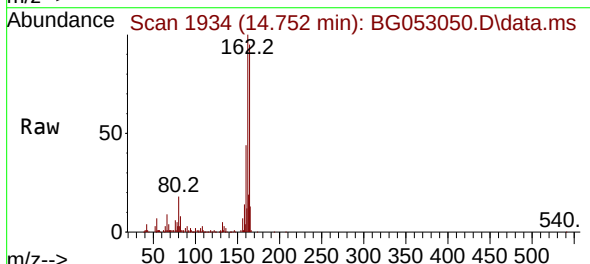
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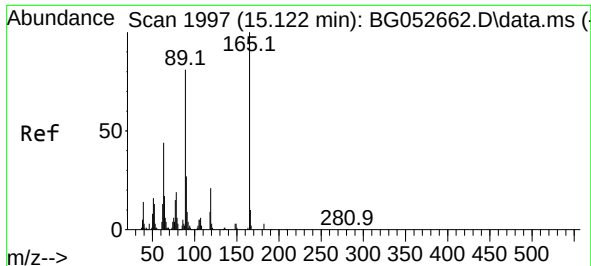
Tgt Ion:172 Resp: 108563  
Ion Ratio Lower Upper  
172 100  
171 33.7 28.3 42.5  
170 24.6 18.0 27.0



#51  
2,6-Dinitrotoluene  
Concen: 11.023 ng  
RT: 14.752 min Scan# 1934  
Delta R.T. 0.426 min  
Lab File: BG053050.D  
Acq: 6 Apr 2022 2:59

Tgt Ion:165 Resp: 17659  
Ion Ratio Lower Upper  
165 100  
63 2.3 43.7 65.5#  
89 0.0 45.0 67.4#

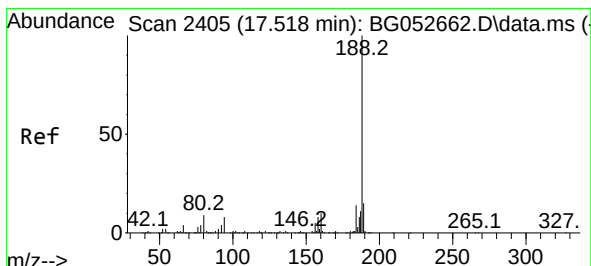
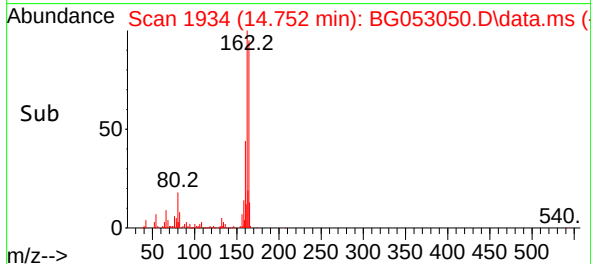
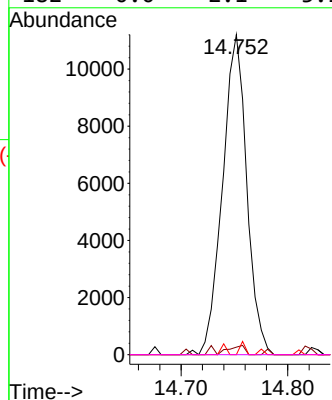
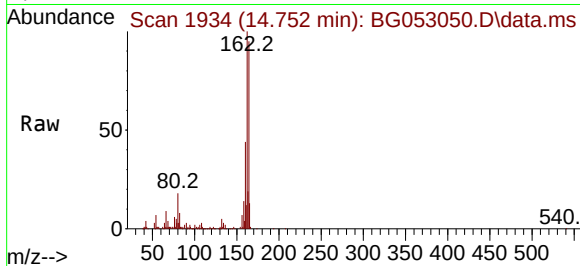




#57  
2,4-Dinitrotoluene  
Concen: 7.945 ng  
RT: 14.752 min Scan# 1997  
Delta R.T. -0.361 min  
Lab File: BG053050.D  
Acq: 6 Apr 2022 2:59

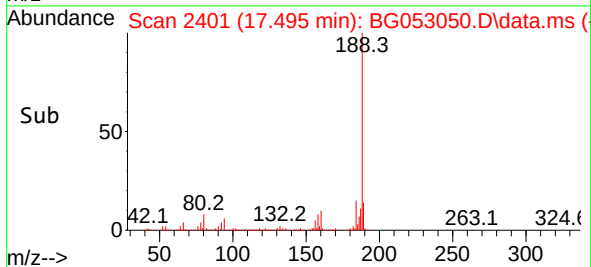
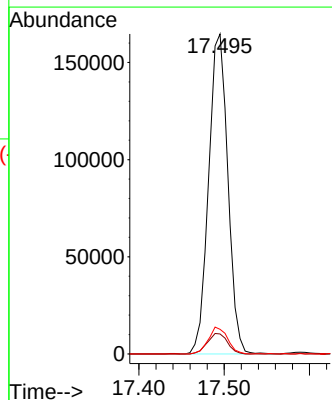
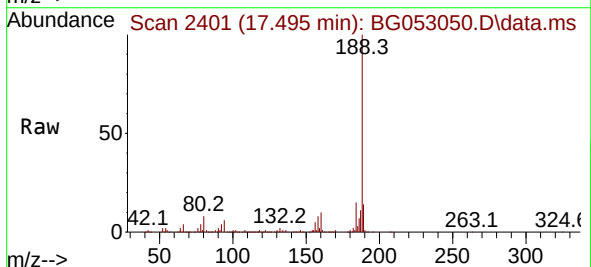
Instrument :  
BNA\_G  
ClientSampleId :  
SU-03-040422

Tgt Ion:165 Resp: 17659  
Ion Ratio Lower Upper  
165 100  
63 2.3 34.8 52.2#  
89 0.0 57.4 86.0#  
182 0.0 2.1 3.1#

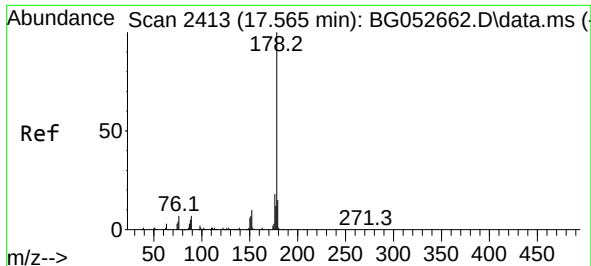


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.495 min Scan# 2401  
Delta R.T. -0.009 min  
Lab File: BG053050.D  
Acq: 6 Apr 2022 2:59

Tgt Ion:188 Resp: 257475  
Ion Ratio Lower Upper  
188 100  
94 6.3 5.7 8.5  
80 7.7 7.2 10.8



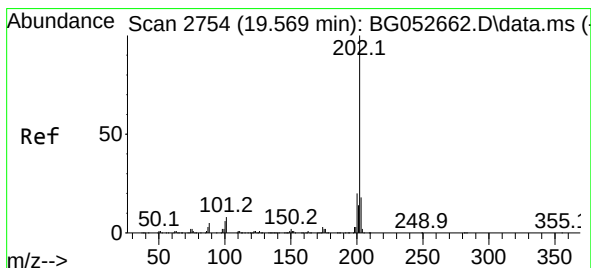
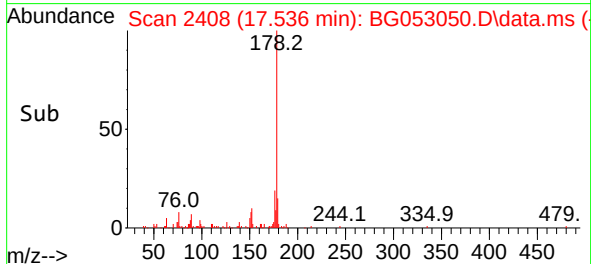
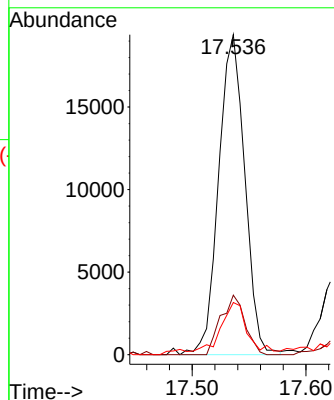
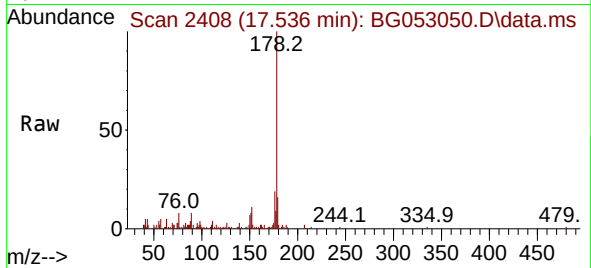




#71  
Phenanthrene  
Concen: 2.247 ng  
RT: 17.536 min Scan# 2413  
Delta R.T. -0.015 min  
Lab File: BG053050.D  
Acq: 6 Apr 2022 2:59

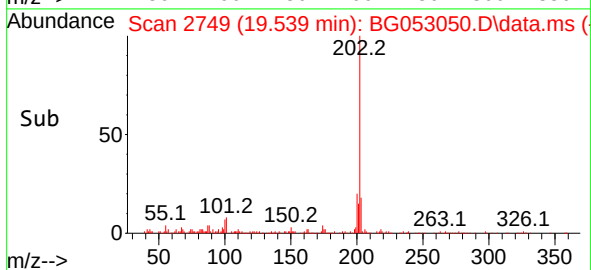
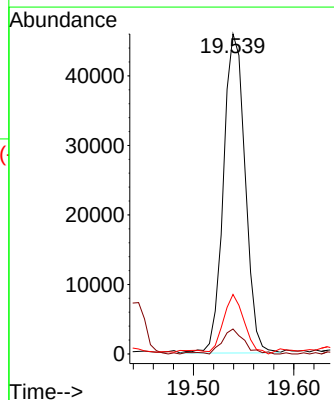
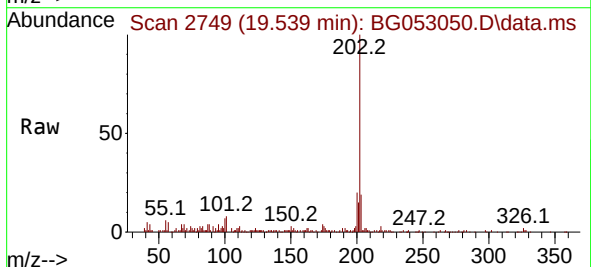
Instrument :  
BNA\_G  
ClientSampleId :  
SU-03-040422

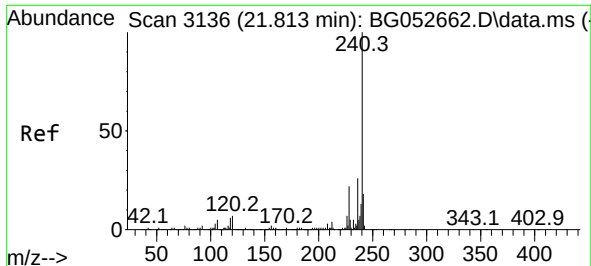
Tgt Ion:178 Resp: 30954  
Ion Ratio Lower Upper  
178 100  
176 18.6 15.9 23.9  
179 16.3 13.4 20.2



#75  
Fluoranthene  
Concen: 3.942 ng  
RT: 19.539 min Scan# 2749  
Delta R.T. -0.015 min  
Lab File: BG053050.D  
Acq: 6 Apr 2022 2:59

Tgt Ion:202 Resp: 68924  
Ion Ratio Lower Upper  
202 100  
101 7.8 0.0 27.3  
203 18.6 0.0 37.7

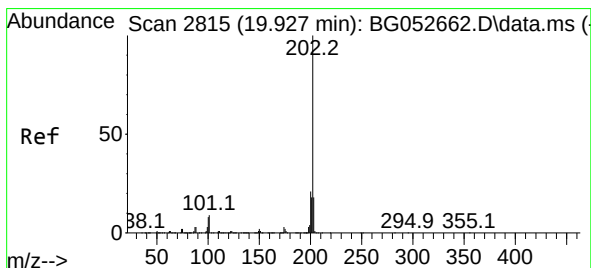
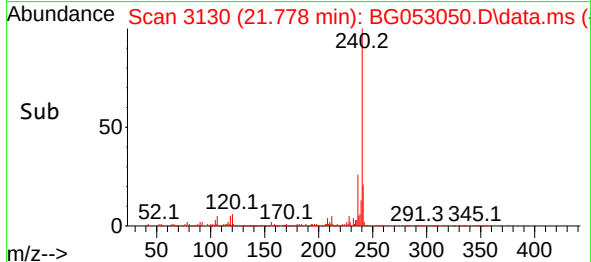
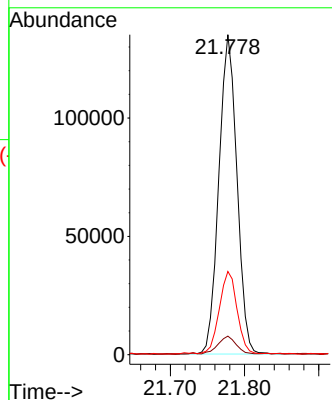
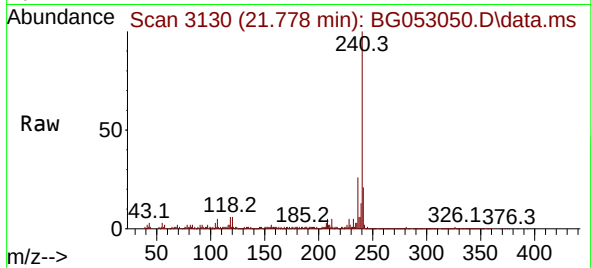




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.778 min Scan# 3136  
Delta R.T. -0.021 min  
Lab File: BG053050.D  
Acq: 6 Apr 2022 2:59

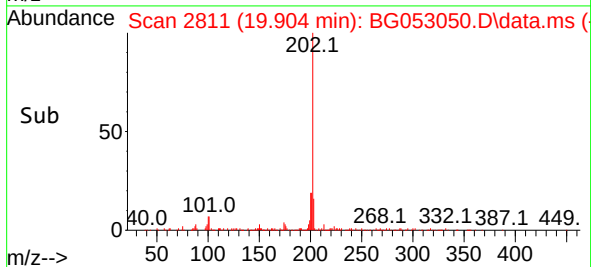
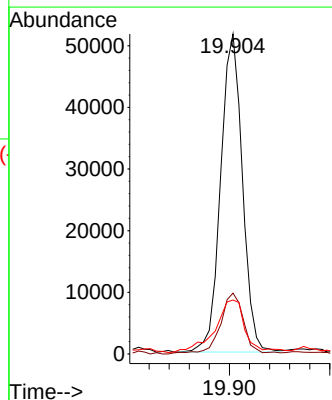
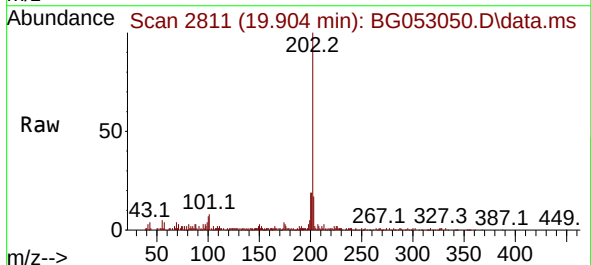
Instrument :  
BNA\_G  
ClientSampleId :  
SU-03-040422

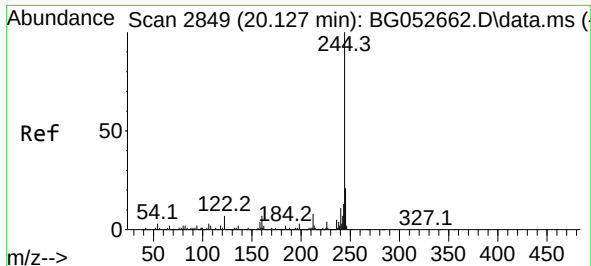
Tgt Ion:240 Resp: 228007  
Ion Ratio Lower Upper  
240 100  
120 5.8 5.4 8.0  
236 26.0 19.8 29.6



#78  
Pyrene  
Concen: 4.901 ng  
RT: 19.904 min Scan# 2811  
Delta R.T. -0.015 min  
Lab File: BG053050.D  
Acq: 6 Apr 2022 2:59

Tgt Ion:202 Resp: 77514  
Ion Ratio Lower Upper  
202 100  
200 19.0 17.0 25.6  
203 16.9 15.0 22.6

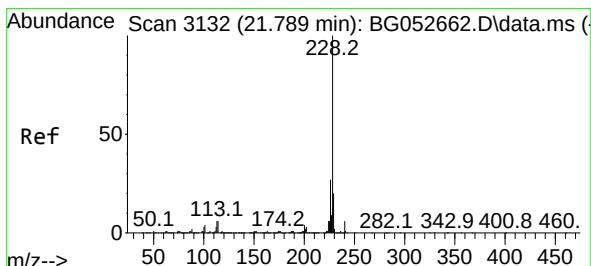
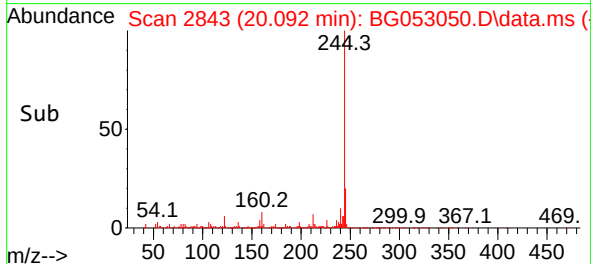
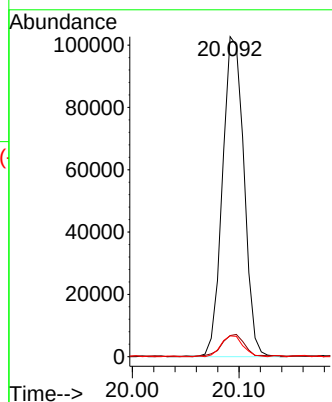
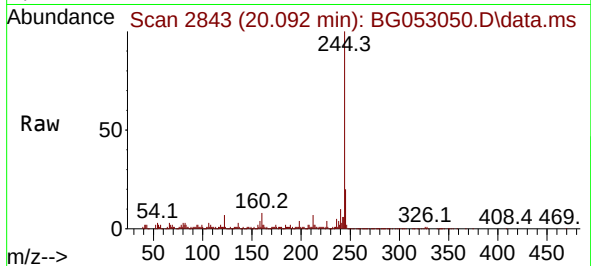




#79  
 Terphenyl-d14  
 Concen: 11.180 ng  
 RT: 20.092 min Scan# 21  
 Delta R.T. -0.021 min  
 Lab File: BG053050.D  
 Acq: 6 Apr 2022 2:59

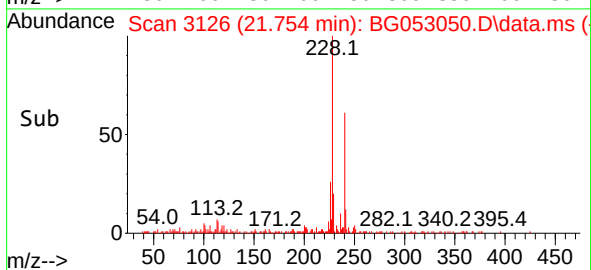
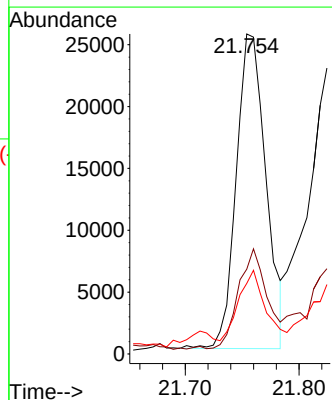
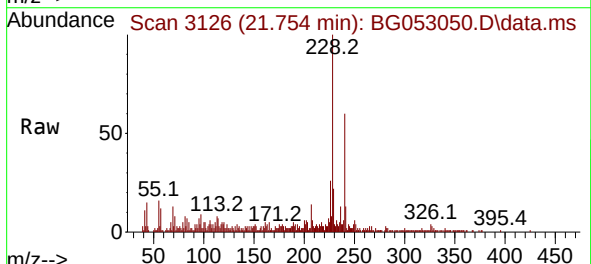
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SU-03-040422

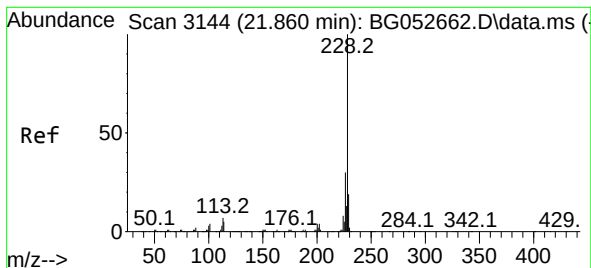
Tgt Ion:244 Resp: 143308  
 Ion Ratio Lower Upper  
 244 100  
 212 6.6 5.4 8.2  
 122 6.5 5.8 8.6



#81  
 Benzo(a)anthracene  
 Concen: 3.027 ng  
 RT: 21.754 min Scan# 3126  
 Delta R.T. -0.021 min  
 Lab File: BG053050.D  
 Acq: 6 Apr 2022 2:59

Tgt Ion:228 Resp: 46208  
 Ion Ratio Lower Upper  
 228 100  
 226 26.5 21.4 32.0  
 229 22.0 16.7 25.1





#83

Chrysene

Concen: 3.405 ng

RT: 21.825 min Scan# 31

Delta R.T. -0.021 min

Lab File: BG053050.D

Acq: 6 Apr 2022 2:59

Instrument :

BNA\_G

ClientSampleId :

SU-03-040422

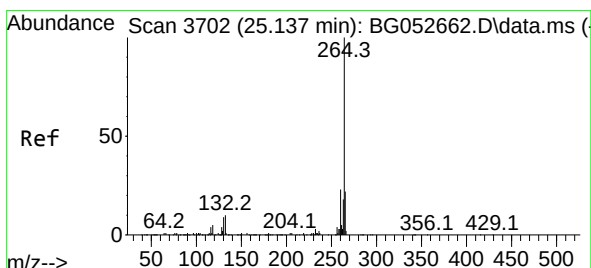
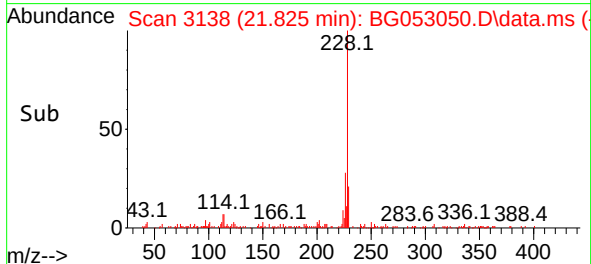
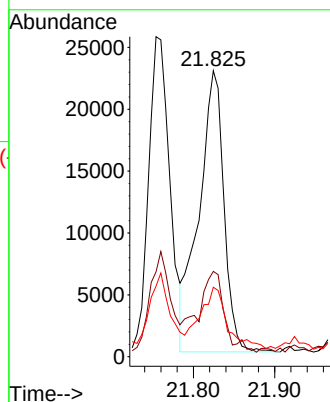
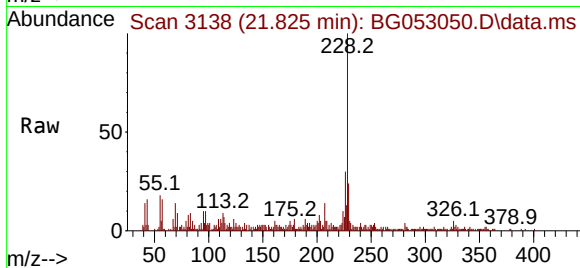
Tgt Ion:228 Resp: 48876

Ion Ratio Lower Upper

228 100

226 29.8 24.2 36.4

229 24.3 16.3 24.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.091 min Scan# 3694

Delta R.T. -0.021 min

Lab File: BG053050.D

Acq: 6 Apr 2022 2:59

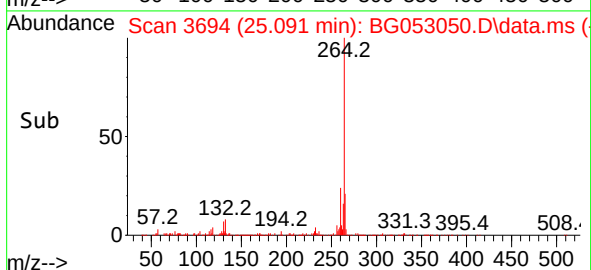
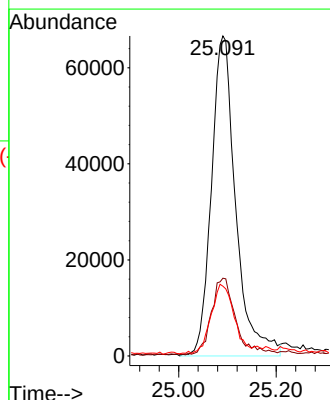
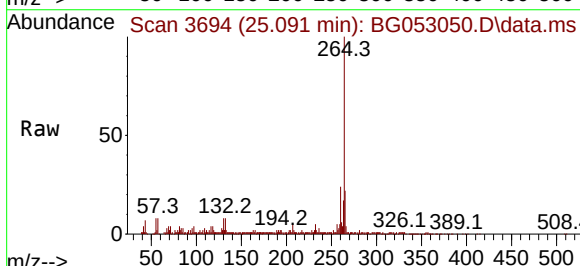
Tgt Ion:264 Resp: 230504

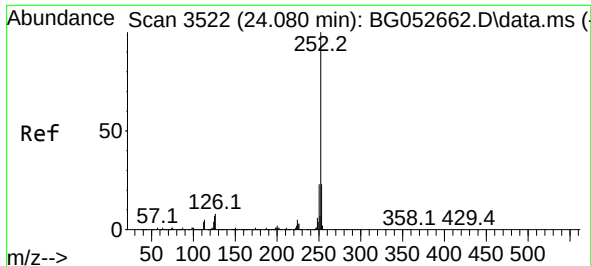
Ion Ratio Lower Upper

264 100

260 24.3 18.2 27.2

265 21.8 15.1 22.7

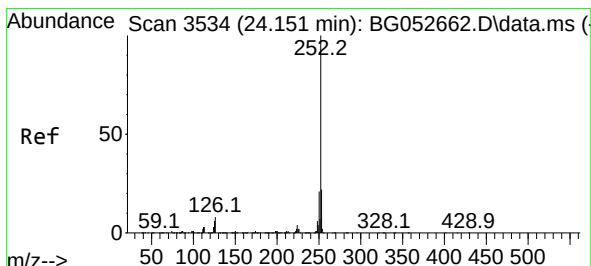
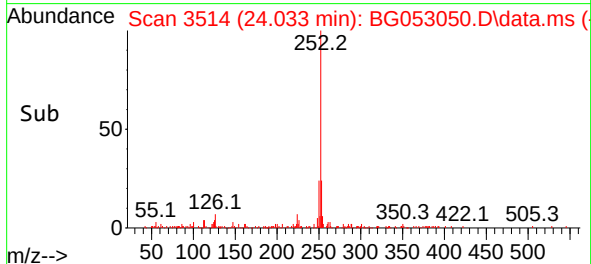
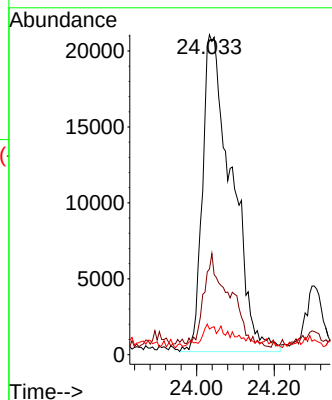
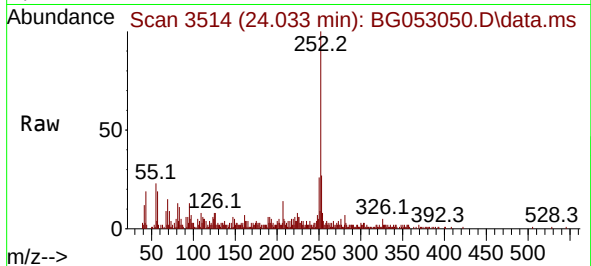




#88  
Benzo(b)fluoranthene  
Concen: 7.621 ng  
RT: 24.033 min Scan# 3514  
Delta R.T. -0.021 min  
Lab File: BG053050.D  
Acq: 6 Apr 2022 2:59

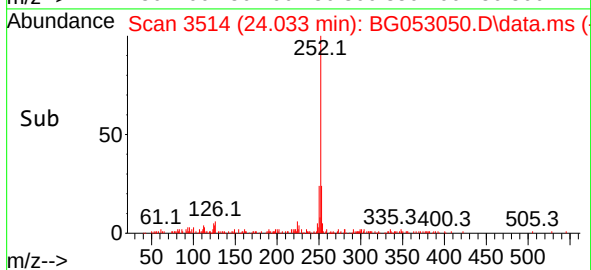
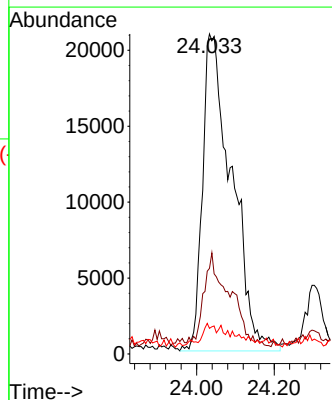
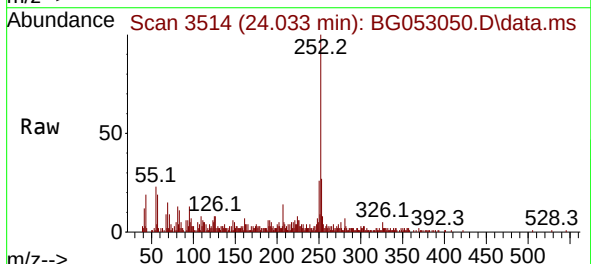
Instrument :  
BNA\_G  
ClientSampleId :  
SU-03-040422

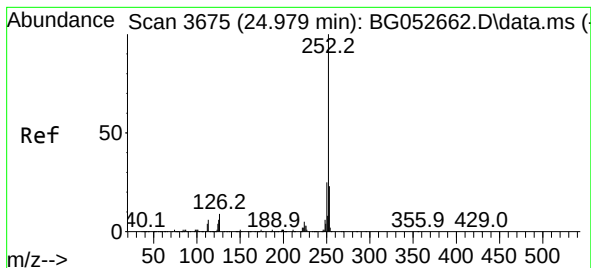
Tgt Ion:252 Resp: 109074  
Ion Ratio Lower Upper  
252 100  
253 26.8 17.2 25.8#  
125 8.0 5.2 7.8#



#89  
Benzo(k)fluoranthene  
Concen: 7.746 ng  
RT: 24.033 min Scan# 3514  
Delta R.T. -0.097 min  
Lab File: BG053050.D  
Acq: 6 Apr 2022 2:59

Tgt Ion:252 Resp: 109074  
Ion Ratio Lower Upper  
252 100  
253 26.8 17.4 26.0#  
125 8.0 5.0 7.4#





#90

Benzo(a)pyrene

Concen: 4.593 ng

RT: 24.938 min Scan# 30

Delta R.T. -0.015 min

Lab File: BG053050.D

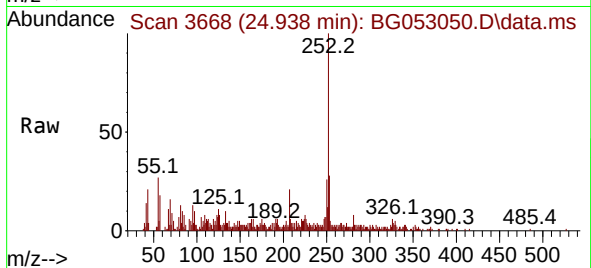
Acq: 6 Apr 2022 2:59

Instrument :

BNA\_G

ClientSampleId :

SU-03-040422



Tgt Ion:252 Resp: 55643

Ion Ratio Lower Upper

252 100

253 27.6 18.4 27.6#

125 11.2 5.6 8.4#

