

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG082323\  
 Data File : BG058819.D  
 Acq On : 23 Aug 2023 12:51  
 Operator : MA/JU  
 Sample : 04047-01DL2 500X  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 NEVINS-SB05-Z26-27DL2

Quant Time: Aug 23 13:25:21 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG081823.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 21 01:40:57 2023  
 Response via : Initial Calibration

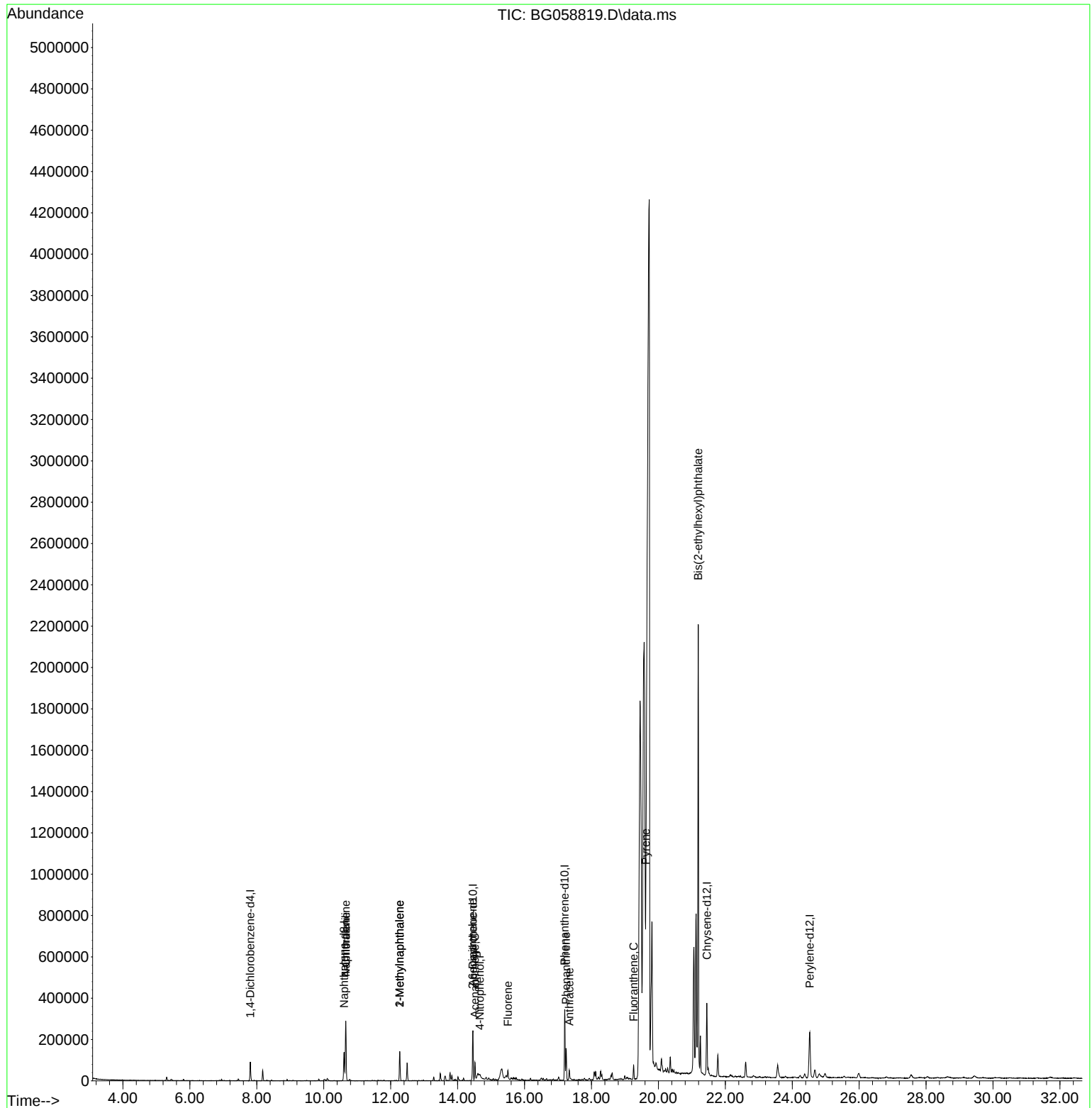
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.807  | 152  | 25046    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.610 | 136  | 113443   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.458 | 164  | 88160    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.202 | 188  | 215362   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.450 | 240  | 194303   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 24.523 | 264  | 244587   | 20.000  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 0.000  | 112  | 0        | 0.000   | ng    |          |
| 7) Phenol-d6                  | 7.002  | 99   | 90       | 0.041   | ng    | 0.02     |
| 23) Nitrobenzene-d5           | 0.000  | 82   | 0        | 0.000   | ng    |          |
| 42) 2,4,6-Tribromophenol      | 0.000  | 330  | 0        | 0.000   | ng    |          |
| 45) 2-Fluorobiphenyl          | 13.078 | 172  | 578      | 0.095   | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.823 | 244  | 1161     | 0.107   | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 31) Naphthalene               | 10.657 | 128  | 239062   | 40.135  | ng    | 99       |
| 33) 4-Chloroaniline           | 10.657 | 127  | 32075    | 12.768  | ng    | # 32     |
| 37) 2-Methylnaphthalene       | 12.273 | 142  | 69377    | 16.217  | ng    | 97       |
| 38) 1-Methylnaphthalene       | 12.273 | 142  | 69377    | 17.084  | ng    | 94       |
| 51) 2,6-Dinitrotoluene        | 14.452 | 165  | 12186    | 8.498   | ng    | # 22     |
| 52) Acenaphthene              | 14.517 | 154  | 32795    | 7.150   | ng    | 96       |
| 56) 4-Nitrophenol             | 14.664 | 139  | 524      | 4.952   | ng    | # 20     |
| 58) Fluorene                  | 15.504 | 166  | 18581    | 2.951   | ng    | 99       |
| 71) Phenanthrene              | 17.243 | 178  | 95395    | 9.227   | ng    | 99       |
| 72) Anthracene                | 17.337 | 178  | 25050    | 2.416   | ng    | 98       |
| 75) Fluoranthene              | 19.264 | 202  | 39103    | 3.050   | ng    | 95       |
| 78) Pyrene                    | 19.623 | 202  | 54257    | 4.008   | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.192 | 149  | 934680   | 116.065 | ng    | # 53     |
| -----                         |        |      |          |         |       |          |

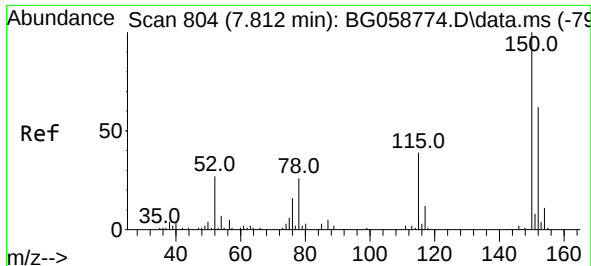
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG082323\  
Data File : BG058819.D  
Acq On : 23 Aug 2023 12:51  
Operator : MA/JU  
Sample : 04047-01DL2 500X  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
NEVINS-SB05-Z26-27DL2

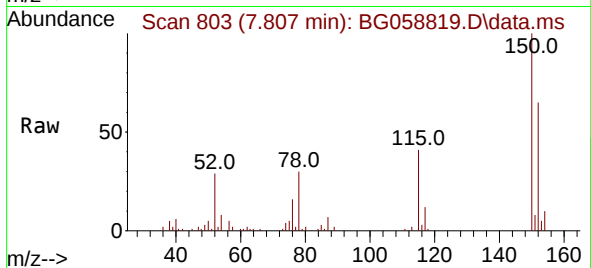
Quant Time: Aug 23 13:25:21 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG081823.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Aug 21 01:40:57 2023  
Response via : Initial Calibration



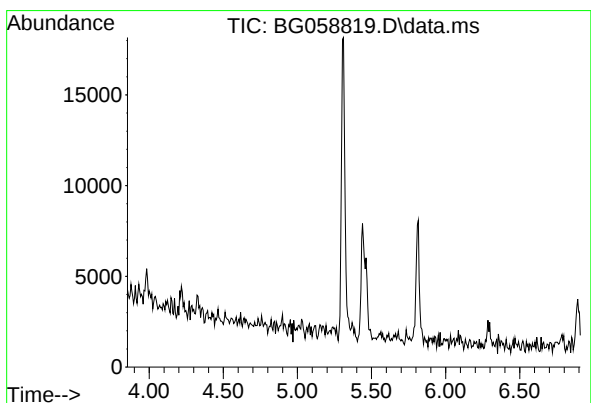
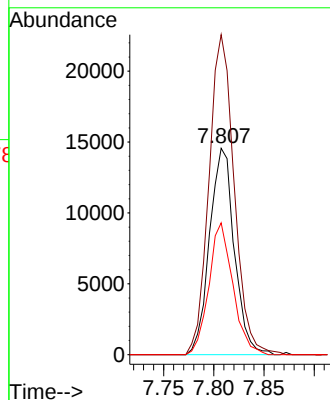
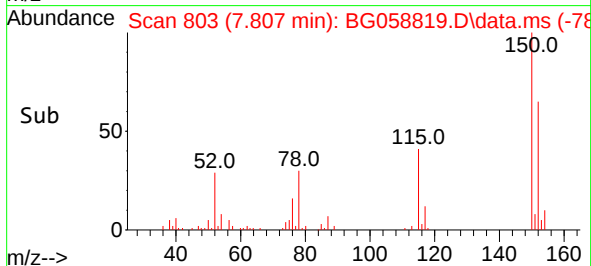


#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.807 min Scan# 80  
 Delta R.T. -0.005 min  
 Lab File: BG058819.D  
 Acq: 23 Aug 2023 12:51

Instrument :  
 BNA\_G  
 ClientSampleId :  
 NEVINS-SB05-Z26-27DL2



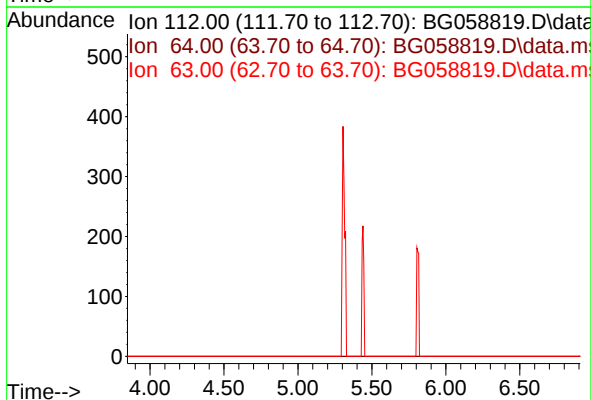
Tgt Ion:152 Resp: 25046  
 Ion Ratio Lower Upper  
 152 100  
 150 155.0 128.6 192.8  
 115 63.9 50.4 75.6

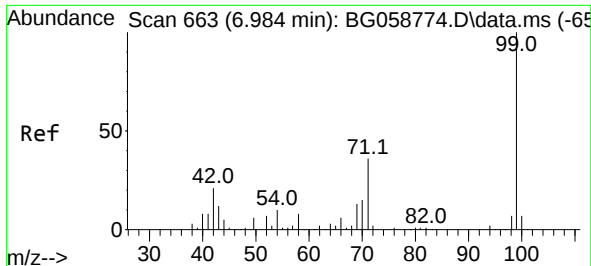


#5  
 2-Fluorophenol  
 Concen: 0.000 ng  
 Expected RT: 5.38 min

Lab File: BG058819.D  
 Acq: 23 Aug 2023 12:51

Tgt Ion: 112  
 Sig Exp Ratio  
 112 100  
 64 75.7  
 63 38.7

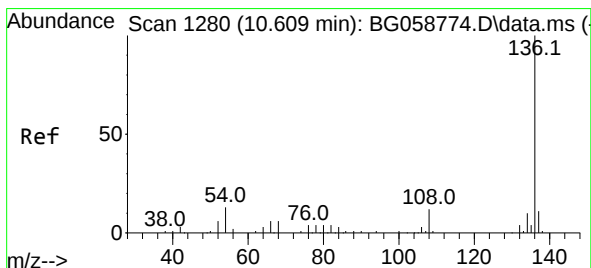
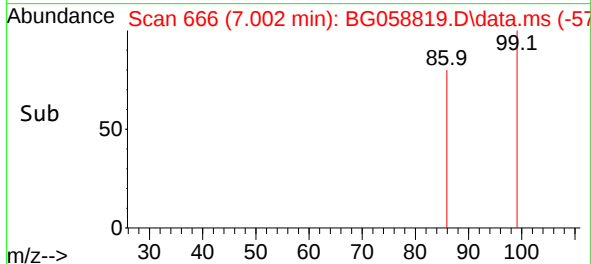
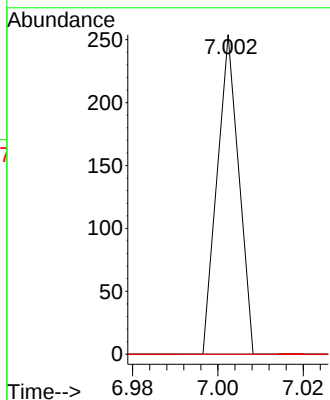
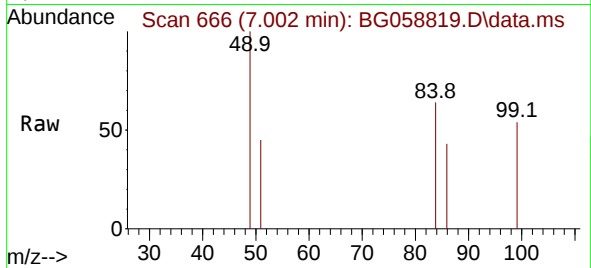




#7  
Phenol-d6  
Concen: 0.041 ng  
RT: 7.002 min Scan# 60  
Delta R.T. 0.018 min  
Lab File: BG058819.D  
Acq: 23 Aug 2023 12:51

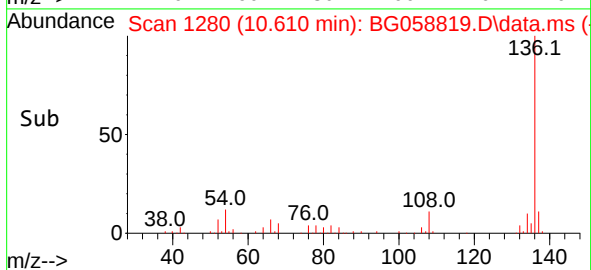
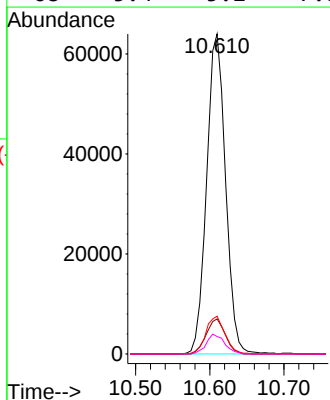
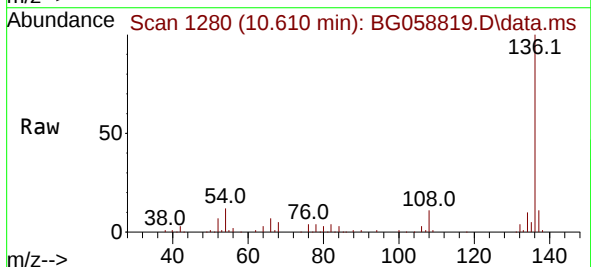
Instrument :  
BNA\_G  
ClientSampleId :  
NEVINS-SB05-Z26-27DL2

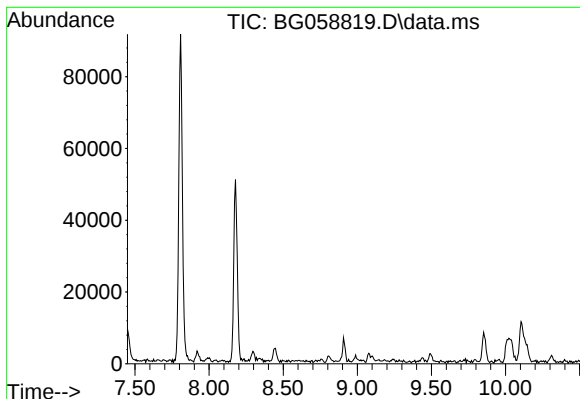
Tgt Ion: 99 Resp: 90  
Ion Ratio Lower Upper  
99 100  
42 0.0 16.5 24.7#  
71 0.0 28.4 42.6#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.610 min Scan# 1280  
Delta R.T. 0.001 min  
Lab File: BG058819.D  
Acq: 23 Aug 2023 12:51

Tgt Ion: 136 Resp: 113443  
Ion Ratio Lower Upper  
136 100  
137 10.9 8.7 13.1  
54 11.8 10.1 15.1  
68 5.4 5.2 7.8

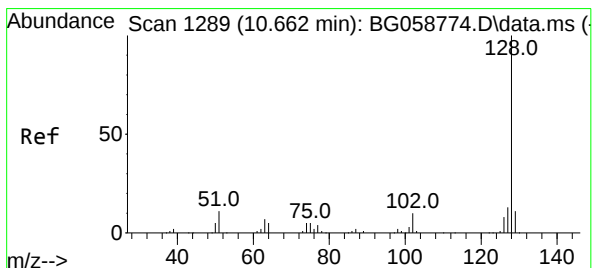
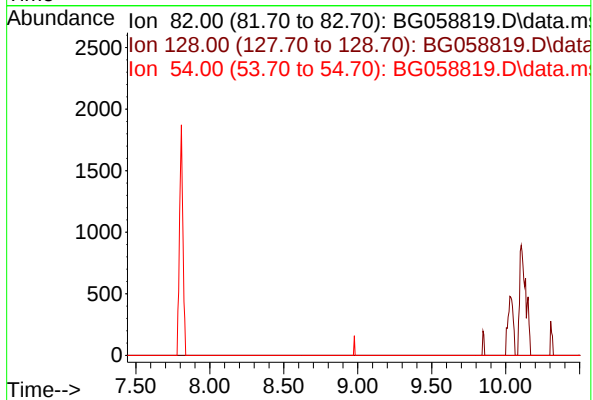




#23  
 Nitrobenzene-d5  
 Concen: 0.000 ng  
 Expected RT: 8.98 min  
 Lab File: BG058819.D  
 Acq: 23 Aug 2023 12:51

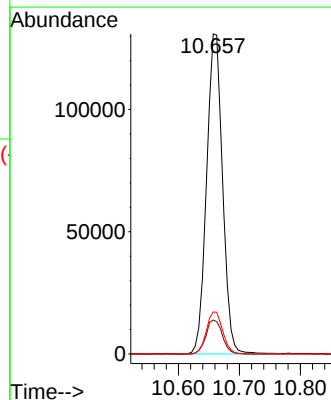
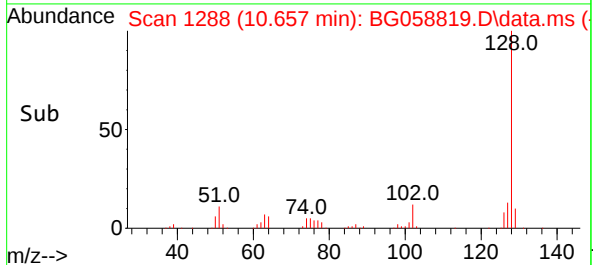
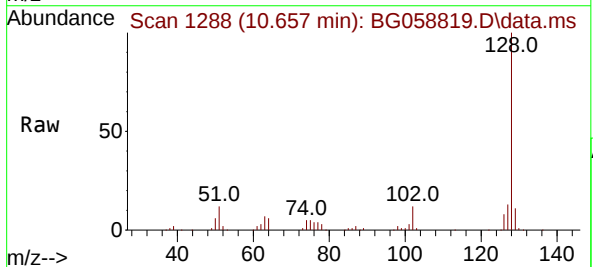
Instrument :  
 BNA\_G  
 ClientSampleId :  
 NEVINS-SB05-Z26-27DL2

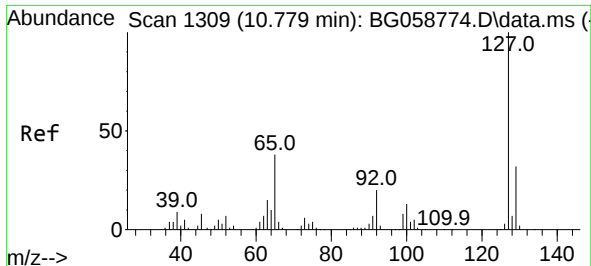
Tgt Ion: 82  
 Sig Exp Ratio  
 82 100  
 128 41.5  
 54 64.0



#31  
 Naphthalene  
 Concen: 40.135 ng  
 RT: 10.657 min Scan# 1288  
 Delta R.T. -0.005 min  
 Lab File: BG058819.D  
 Acq: 23 Aug 2023 12:51

Tgt Ion: 128 Resp: 239062  
 Ion Ratio Lower Upper  
 128 100  
 129 10.6 8.9 13.3  
 127 13.1 10.6 15.8

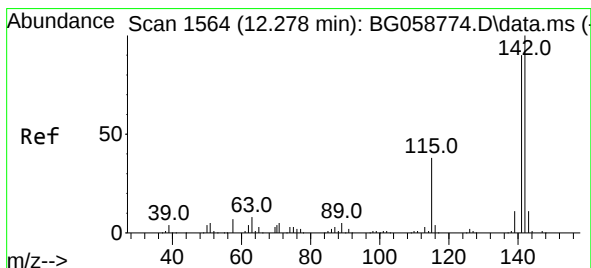
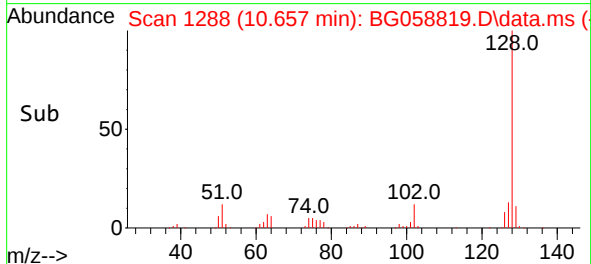
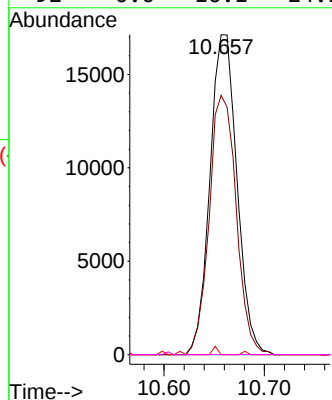
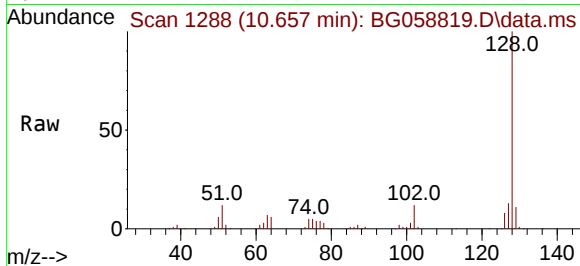




#33  
4-Chloroaniline  
Concen: 12.768 ng  
RT: 10.657 min Scan# 1288  
Delta R.T. -0.123 min  
Lab File: BG058819.D  
Acq: 23 Aug 2023 12:51

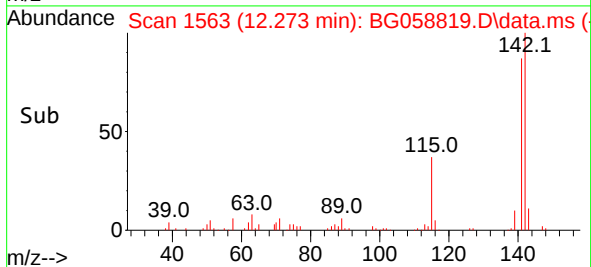
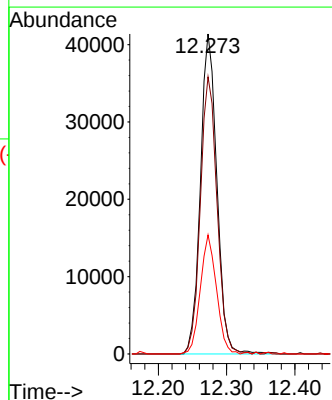
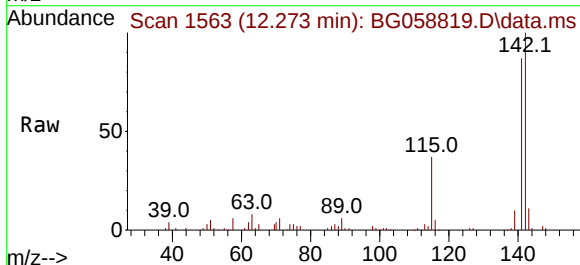
Instrument :  
BNA\_G  
ClientSampleId :  
NEVINS-SB05-Z26-27DL2

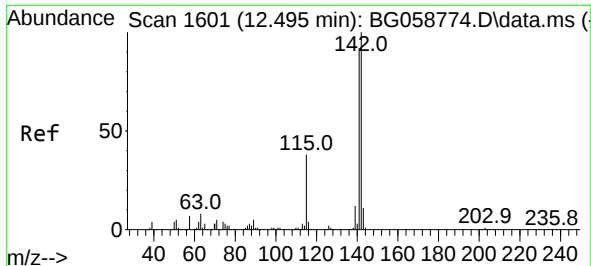
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 127   | Resp: | 32075 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 81.0  | 25.2  | 37.8# |
| 65       | 0.0   | 30.5  | 45.7# |
| 92       | 0.0   | 16.1  | 24.1# |



#37  
2-Methylnaphthalene  
Concen: 16.217 ng  
RT: 12.273 min Scan# 1563  
Delta R.T. -0.005 min  
Lab File: BG058819.D  
Acq: 23 Aug 2023 12:51

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 142   | Resp: | 69377 |
| Ion      | Ratio | Lower | Upper |
| 142      | 100   |       |       |
| 141      | 86.6  | 71.8  | 107.8 |
| 115      | 37.2  | 30.6  | 45.8  |

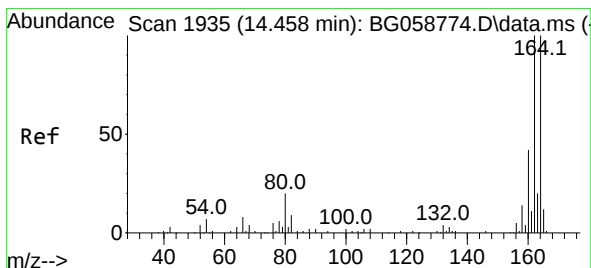
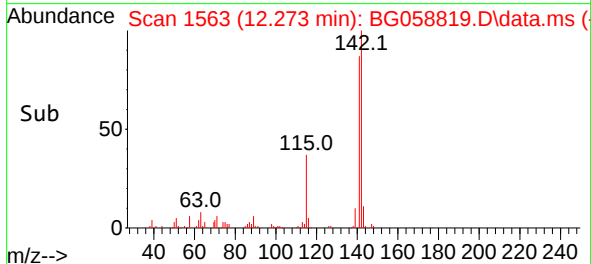
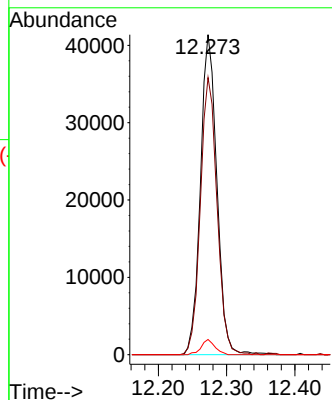
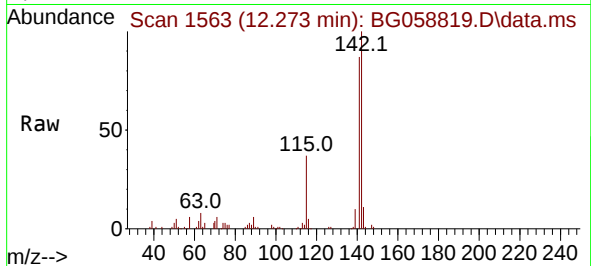




#38  
1-Methylnaphthalene  
Concen: 17.084 ng  
RT: 12.273 min Scan# 1563  
Delta R.T. -0.222 min  
Lab File: BG058819.D  
Acq: 23 Aug 2023 12:51

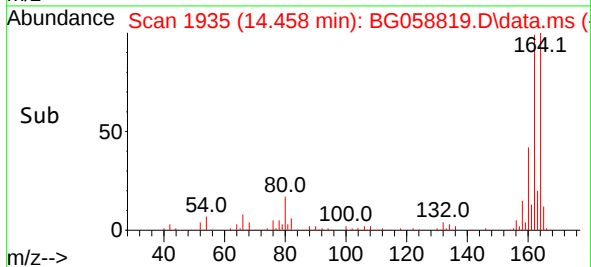
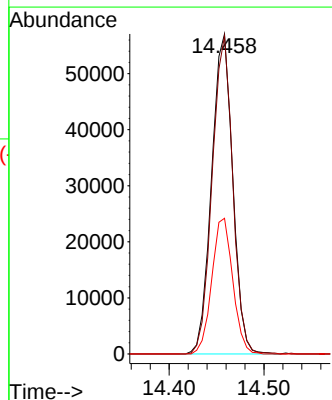
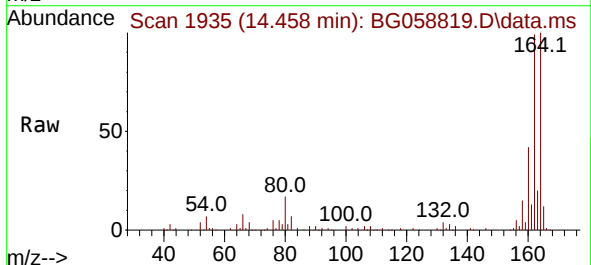
Instrument :  
BNA\_G  
ClientSampleId :  
NEVINS-SB05-Z26-27DL2

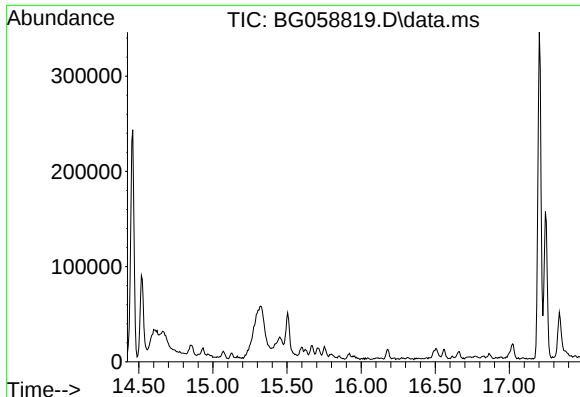
Tgt Ion:142 Resp: 69377  
Ion Ratio Lower Upper  
142 100  
141 86.6 73.9 110.9  
116 4.8 3.2 4.8



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.458 min Scan# 1935  
Delta R.T. 0.001 min  
Lab File: BG058819.D  
Acq: 23 Aug 2023 12:51

Tgt Ion:164 Resp: 88160  
Ion Ratio Lower Upper  
164 100  
162 99.4 79.6 119.4  
160 42.4 34.0 51.0

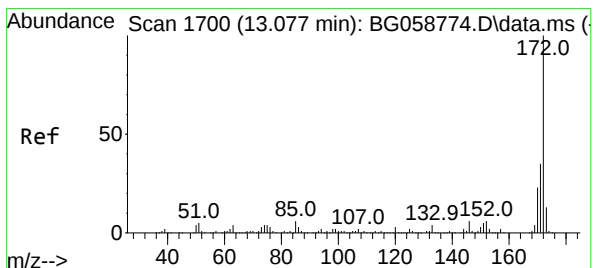
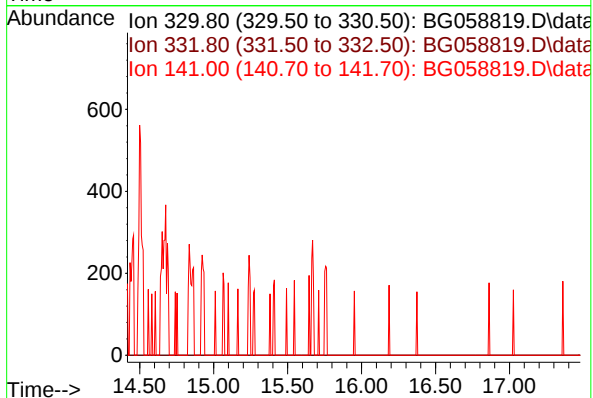




#42  
 2,4,6-Tribromophenol  
 Concen: 0.000 ng  
 Expected RT: 15.95 min  
 Lab File: BG058819.D  
 Acq: 23 Aug 2023 12:51

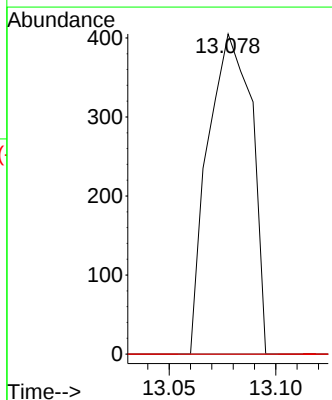
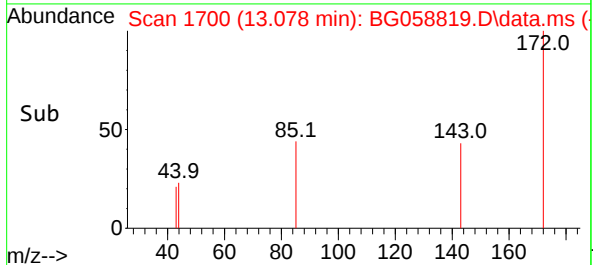
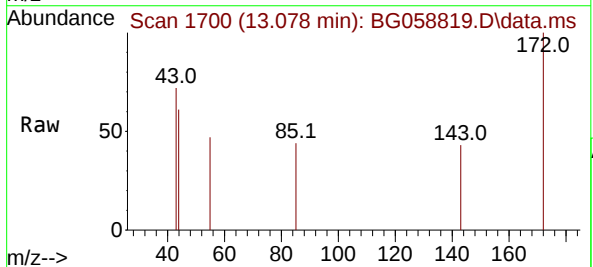
Instrument :  
 BNA\_G  
 ClientSampleId :  
 NEVINS-SB05-Z26-27DL2

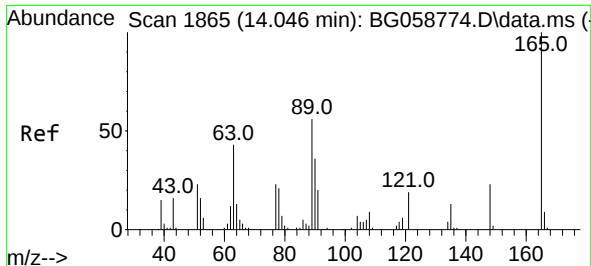
Tgt Ion: 330  
 Sig Exp Ratio  
 330 100  
 332 98.1  
 141 28.8



#45  
 2-Fluorobiphenyl  
 Concen: 0.095 ng  
 RT: 13.078 min Scan# 1700  
 Delta R.T. 0.001 min  
 Lab File: BG058819.D  
 Acq: 23 Aug 2023 12:51

Tgt Ion: 172 Resp: 578  
 Ion Ratio Lower Upper  
 172 100  
 171 0.0 28.1 42.1#  
 170 0.0 18.6 27.8#

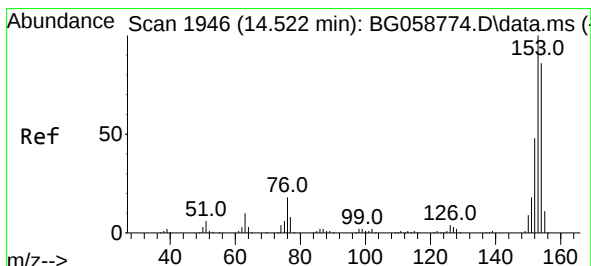
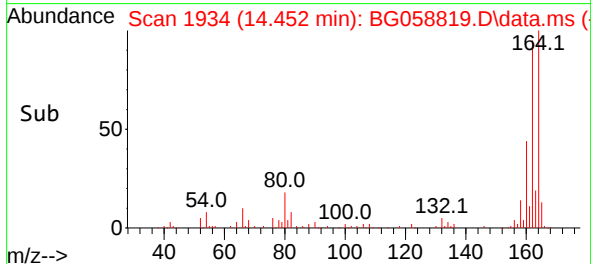
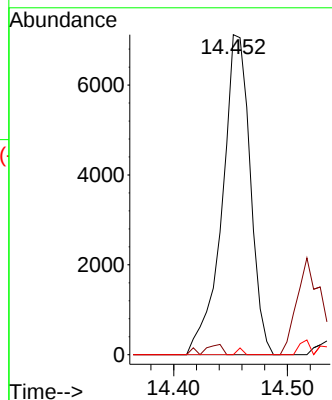
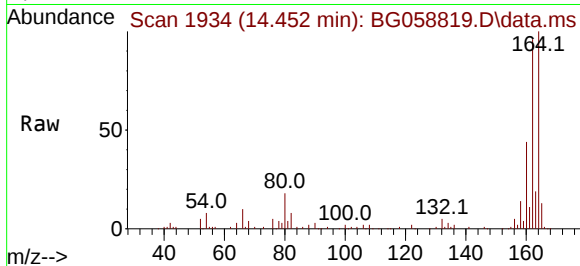




#51  
2,6-Dinitrotoluene  
Concen: 8.498 ng  
RT: 14.452 min Scan# 1934  
Delta R.T. 0.406 min  
Lab File: BG058819.D  
Acq: 23 Aug 2023 12:51

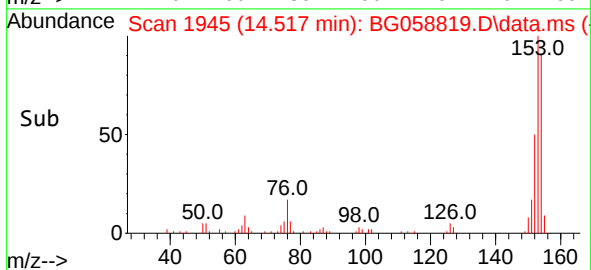
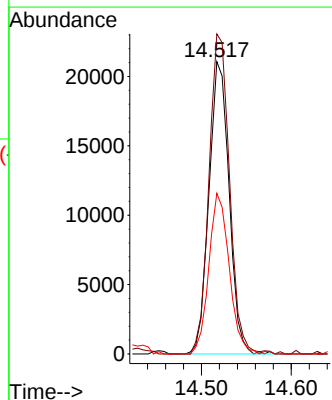
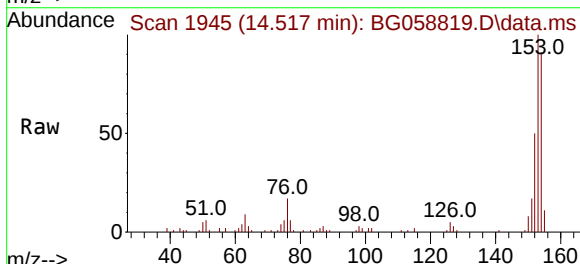
Instrument :  
BNA\_G  
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NEVINS-SB05-Z26-27DL2

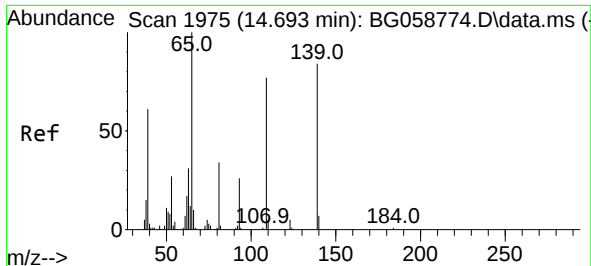
Tgt Ion:165 Resp: 12186  
Ion Ratio Lower Upper  
165 100  
63 0.0 47.2 70.8#  
89 0.0 45.0 67.4#



#52  
Acenaphthene  
Concen: 7.150 ng  
RT: 14.517 min Scan# 1945  
Delta R.T. -0.005 min  
Lab File: BG058819.D  
Acq: 23 Aug 2023 12:51

Tgt Ion:154 Resp: 32795  
Ion Ratio Lower Upper  
154 100  
153 109.5 92.7 139.1  
152 55.0 44.2 66.2

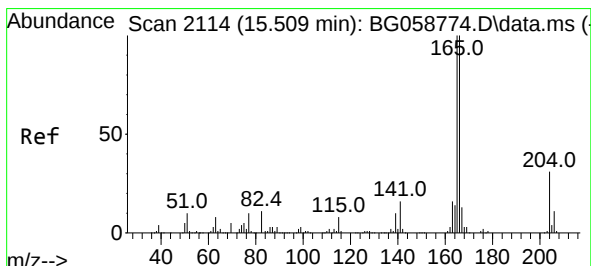
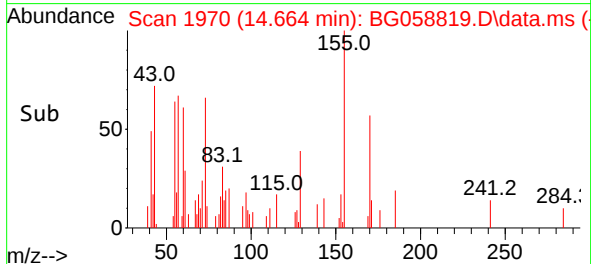
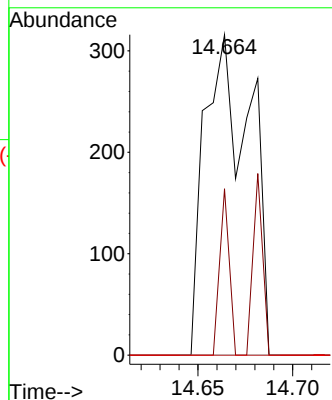
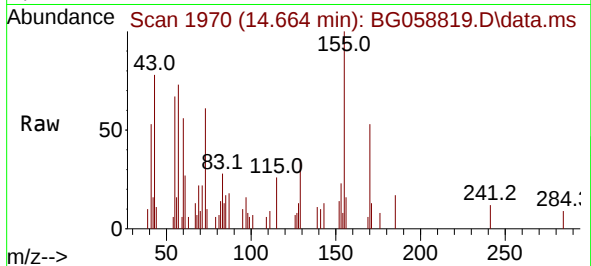




#56  
4-Nitrophenol  
Concen: 4.952 ng  
RT: 14.664 min Scan# 1975  
Delta R.T. -0.029 min  
Lab File: BG058819.D  
Acq: 23 Aug 2023 12:51

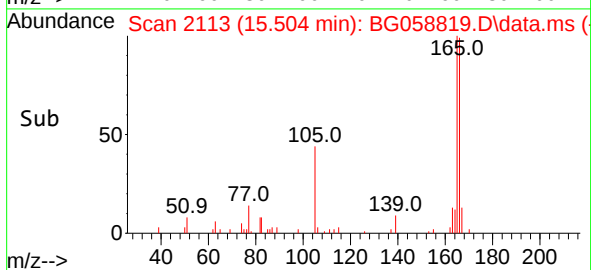
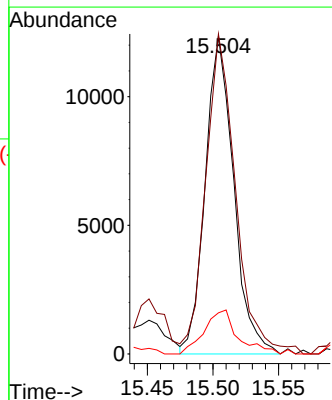
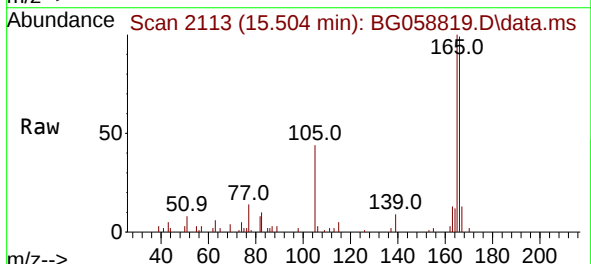
Instrument :  
BNA\_G  
ClientSampleId :  
NEVINS-SB05-Z26-27DL2

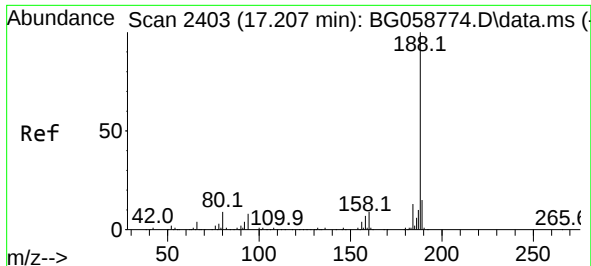
Tgt Ion:139 Resp: 524  
Ion Ratio Lower Upper  
139 100  
109 51.9 71.9 111.9#  
65 0.0 100.7 140.7#



#58  
Fluorene  
Concen: 2.951 ng  
RT: 15.504 min Scan# 2113  
Delta R.T. -0.005 min  
Lab File: BG058819.D  
Acq: 23 Aug 2023 12:51

Tgt Ion:166 Resp: 18581  
Ion Ratio Lower Upper  
166 100  
165 100.7 79.9 119.9  
167 12.9 10.7 16.1

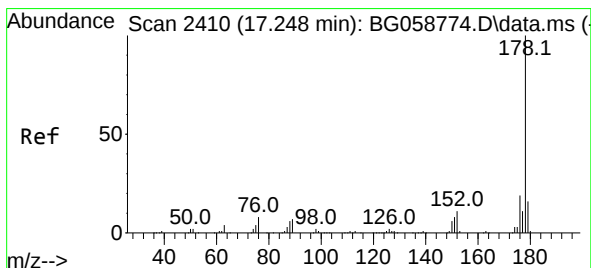
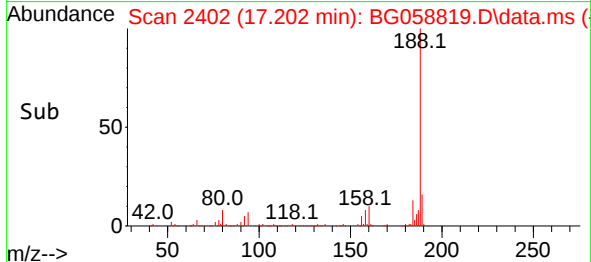
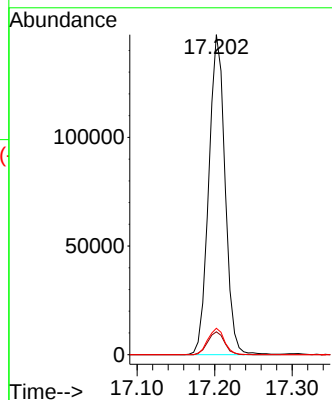
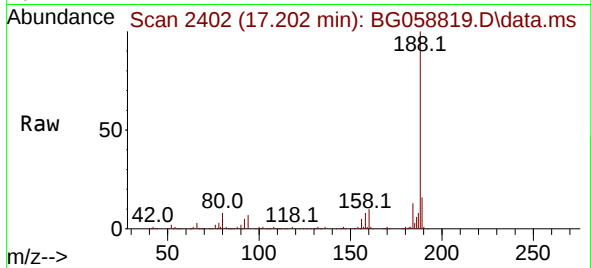




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.202 min Scan# 2403  
Delta R.T. -0.005 min  
Lab File: BG058819.D  
Acq: 23 Aug 2023 12:51

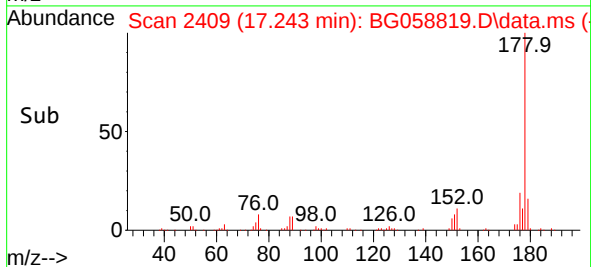
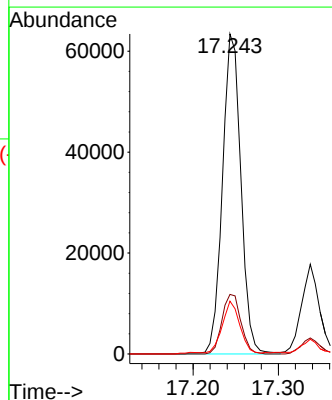
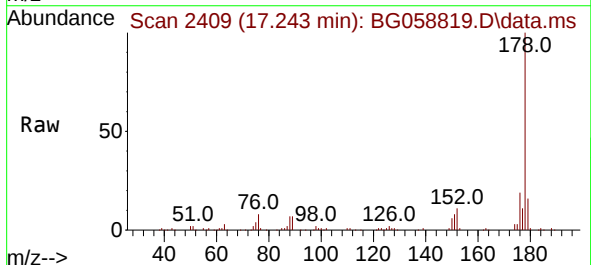
Instrument :  
BNA\_G  
ClientSampleId :  
NEVINS-SB05-Z26-27DL2

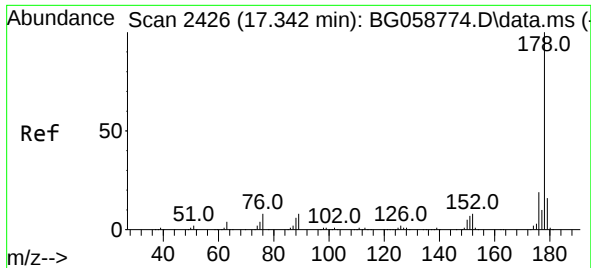
Tgt Ion:188 Resp: 215362  
Ion Ratio Lower Upper  
188 100  
94 7.1 6.1 9.1  
80 8.3 6.9 10.3



#71  
Phenanthrene  
Concen: 9.227 ng  
RT: 17.243 min Scan# 2409  
Delta R.T. -0.005 min  
Lab File: BG058819.D  
Acq: 23 Aug 2023 12:51

Tgt Ion:178 Resp: 95395  
Ion Ratio Lower Upper  
178 100  
176 18.6 15.5 23.3  
179 16.5 13.0 19.4

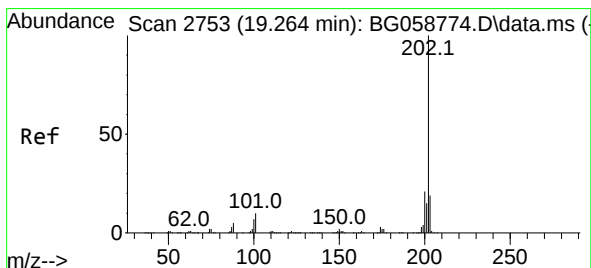
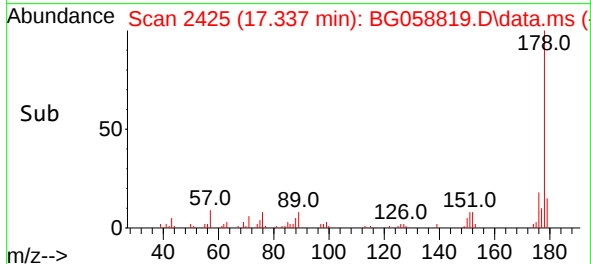
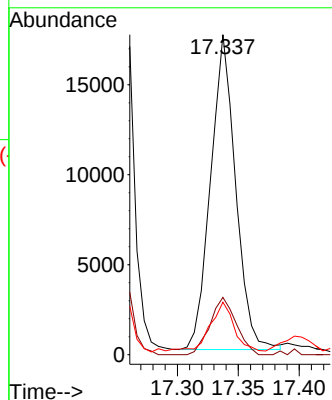
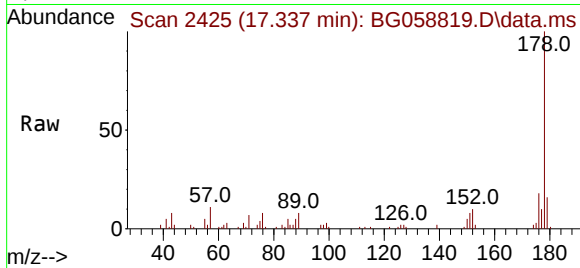




#72  
 Anthracene  
 Concen: 2.416 ng  
 RT: 17.337 min Scan# 2426  
 Delta R.T. -0.005 min  
 Lab File: BG058819.D  
 Acq: 23 Aug 2023 12:51

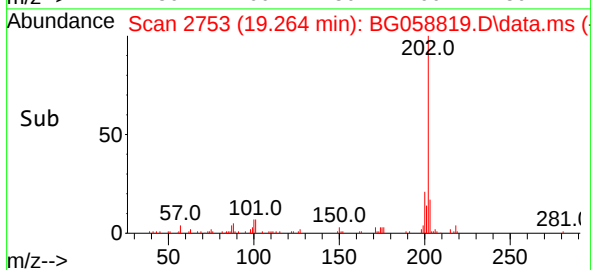
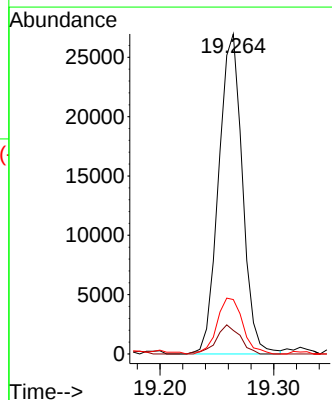
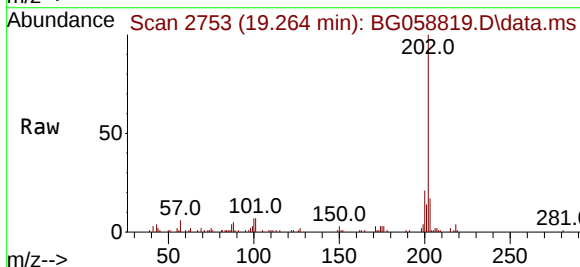
Instrument :  
 BNA\_G  
 ClientSampleId :  
 NEVINS-SB05-Z26-27DL2

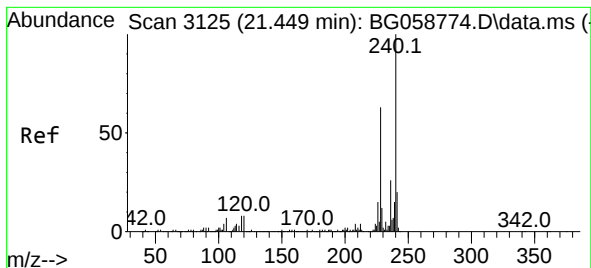
Tgt Ion:178 Resp: 25050  
 Ion Ratio Lower Upper  
 178 100  
 176 17.9 15.4 23.2  
 179 16.4 12.9 19.3



#75  
 Fluoranthene  
 Concen: 3.050 ng  
 RT: 19.264 min Scan# 2753  
 Delta R.T. 0.000 min  
 Lab File: BG058819.D  
 Acq: 23 Aug 2023 12:51

Tgt Ion:202 Resp: 39103  
 Ion Ratio Lower Upper  
 202 100  
 101 7.3 0.0 29.7  
 203 17.0 0.0 38.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.450 min Scan# 3125

Delta R.T. 0.001 min

Lab File: BG058819.D

Acq: 23 Aug 2023 12:51

Instrument :

BNA\_G

ClientSampleId :

NEVINS-SB05-Z26-27DL2

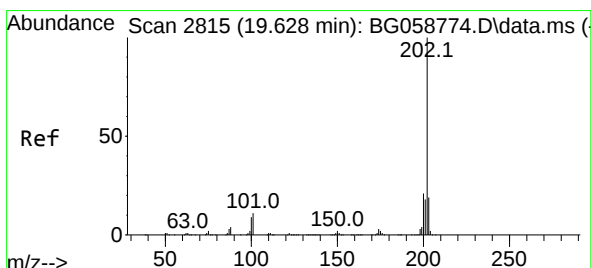
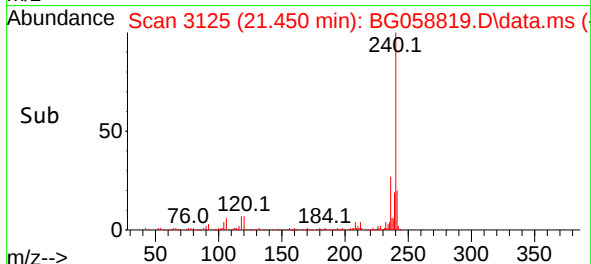
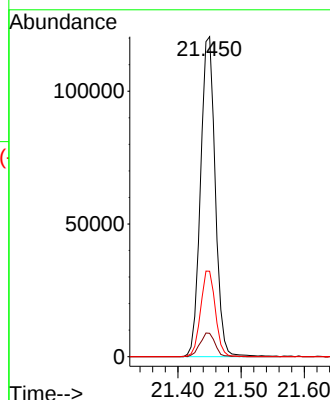
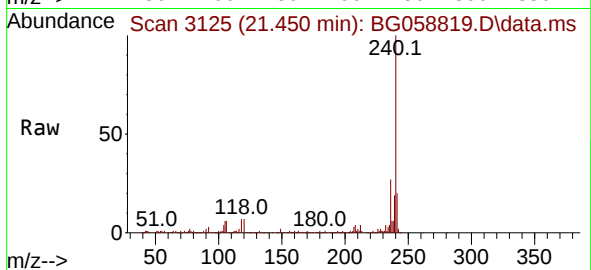
Tgt Ion:240 Resp: 194303

Ion Ratio Lower Upper

240 100

120 7.3 6.2 9.2

236 26.7 20.5 30.7



#78

Pyrene

Concen: 4.008 ng

RT: 19.623 min Scan# 2814

Delta R.T. -0.005 min

Lab File: BG058819.D

Acq: 23 Aug 2023 12:51

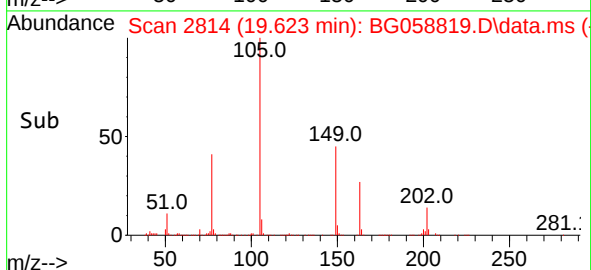
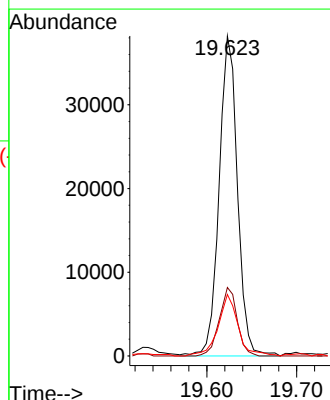
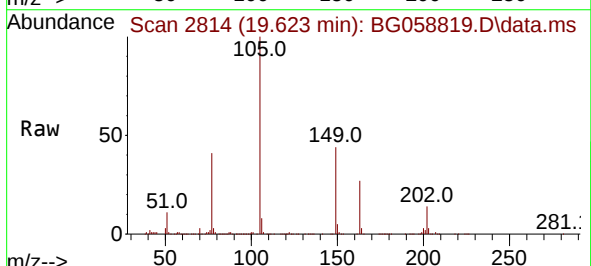
Tgt Ion:202 Resp: 54257

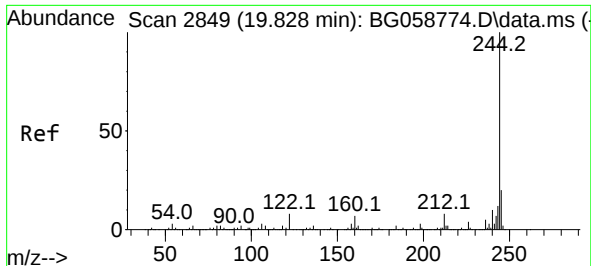
Ion Ratio Lower Upper

202 100

200 21.4 16.7 25.1

203 19.2 15.3 22.9

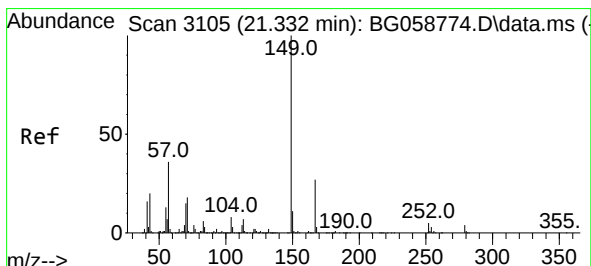
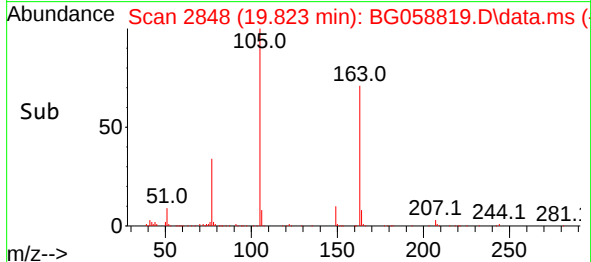
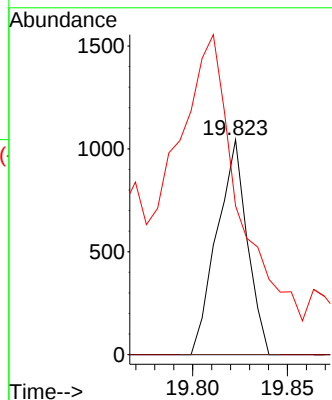
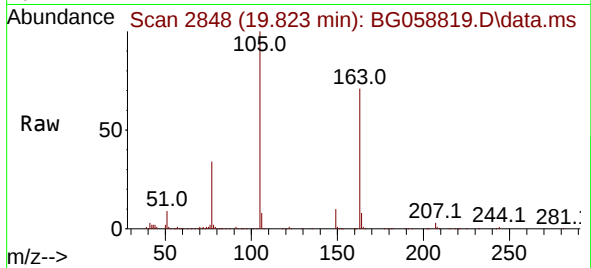




#79  
 Terphenyl-d14  
 Concen: 0.107 ng  
 RT: 19.823 min Scan# 21  
 Delta R.T. -0.005 min  
 Lab File: BG058819.D  
 Acq: 23 Aug 2023 12:51

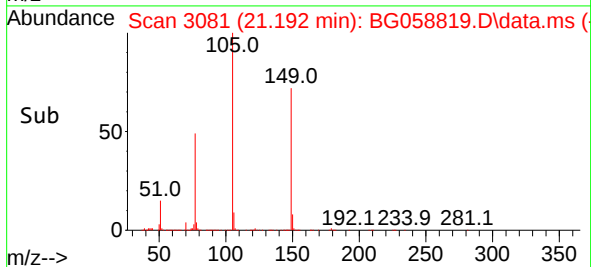
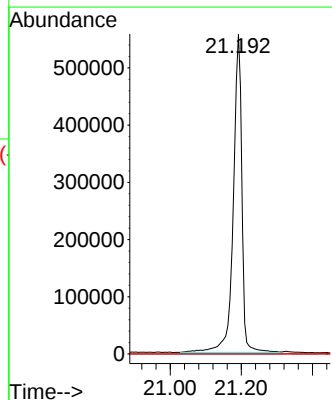
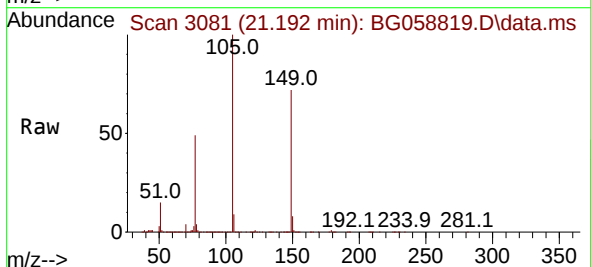
Instrument :  
 BNA\_G  
 ClientSampleId :  
 NEVINS-SB05-Z26-27DL2

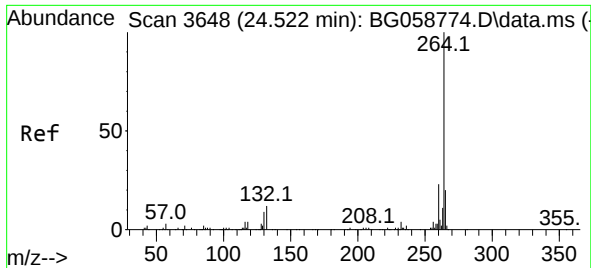
Tgt Ion:244 Resp: 1161  
 Ion Ratio Lower Upper  
 244 100  
 212 0.0 6.2 9.2#  
 122 69.2 6.3 9.5#



#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 116.065 ng  
 RT: 21.192 min Scan# 3081  
 Delta R.T. -0.140 min  
 Lab File: BG058819.D  
 Acq: 23 Aug 2023 12:51

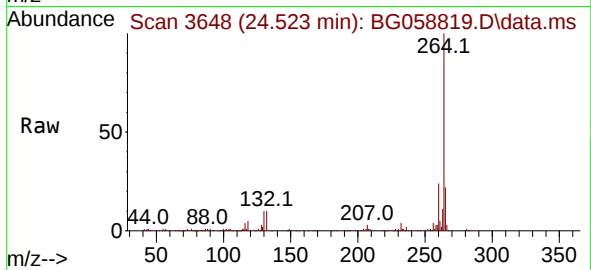
Tgt Ion:149 Resp: 934680  
 Ion Ratio Lower Upper  
 149 100  
 167 0.0 21.7 32.5#  
 279 0.0 3.2 4.8#





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.523 min Scan# 30  
 Delta R.T. 0.001 min  
 Lab File: BG058819.D  
 Acq: 23 Aug 2023 12:51

Instrument :  
 BNA\_G  
 ClientSampleId :  
 NEVINS-SB05-Z26-27DL2



|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 264   | Resp: | 244587 |
| Ion Ratio | Lower | Upper |        |
| 264       | 100   |       |        |
| 260       | 23.7  | 18.2  | 27.2   |
| 265       | 21.7  | 16.4  | 24.6   |

