

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG011124\  
 Data File : BG060306.D  
 Acq On : 11 Jan 2024 12:28  
 Operator : MA/JU  
 Sample : PB158244TB  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB158244TB

Quant Time: Jan 11 13:20:22 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG010824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 09 04:07:12 2024  
 Response via : Initial Calibration

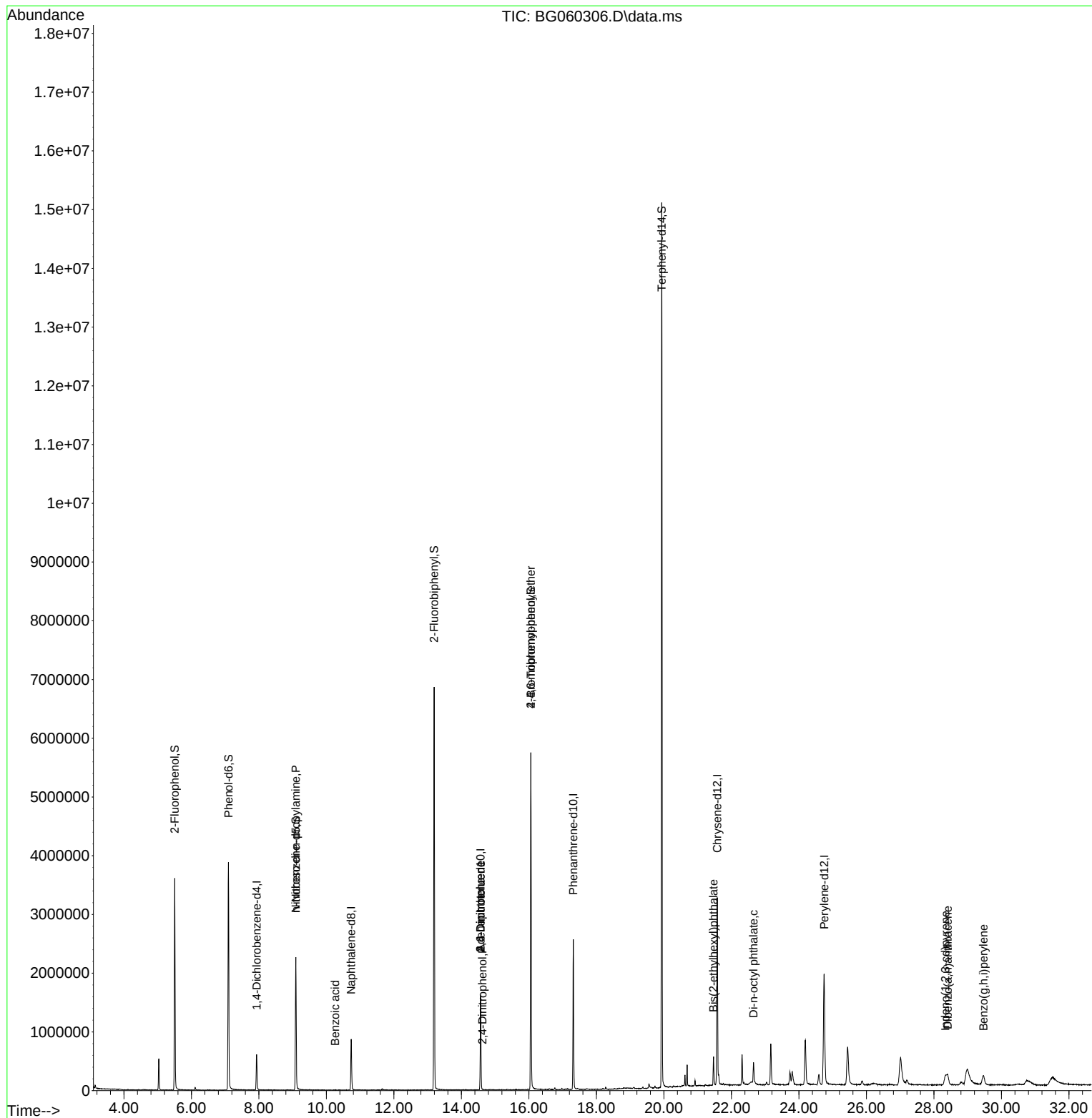
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.932  | 152  | 193384   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.734 | 136  | 772296   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.565 | 164  | 596695   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.315 | 188  | 1700896  | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.580 | 240  | 1833942  | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 24.747 | 264  | 2077023  | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.505  | 112  | 1682109  | 143.068 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.097  | 99   | 2612302  | 150.046 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.095  | 82   | 1580731  | 96.650  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.057 | 330  | 1243500  | 141.643 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.190 | 172  | 3772724  | 87.906  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.935 | 244  | 6146503  | 84.238  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 9.095  | 70   | 183357   | 15.217  | ng    | # 87     |
| 32) Benzoic acid              | 10.258 | 122  | 282      | 10.231  | ng    | 90       |
| 51) 2,6-Dinitrotoluene        | 14.565 | 165  | 80522    | 8.276   | ng    | # 34     |
| 54) 2,4-Dinitrophenol         | 14.624 | 184  | 105      | 8.603   | ng    | # 12     |
| 57) 2,4-Dinitrotoluene        | 14.565 | 165  | 80522    | 6.035   | ng    | # 26     |
| 67) 4-Bromophenyl-phenylether | 16.057 | 248  | 74551    | 3.989   | ng    | # 1      |
| 84) Bis(2-ethylhexyl)phtha... | 21.469 | 149  | 172112   | 2.827   | ng    | # 97     |
| 85) Di-n-octyl phthalate      | 22.656 | 149  | 329972   | 3.344   | ng    | # 85     |
| 87) Indeno(1,2,3-cd)pyrene    | 28.337 | 276  | 361499   | 2.503   | ng    | # 88     |
| 91) Dibenzo(a,h)anthracene    | 28.408 | 278  | 289857   | 2.458   | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 29.465 | 276  | 310901   | 2.572   | ng    | 97       |
| -----                         |        |      |          |         |       |          |

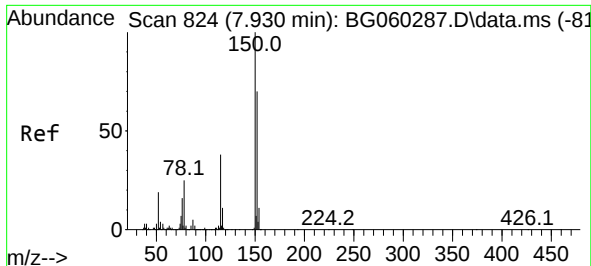
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG011124\  
Data File : BG060306.D  
Acq On : 11 Jan 2024 12:28  
Operator : MA/JU  
Sample : PB158244TB  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
PB158244TB

Quant Time: Jan 11 13:20:22 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG010824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jan 09 04:07:12 2024  
Response via : Initial Calibration

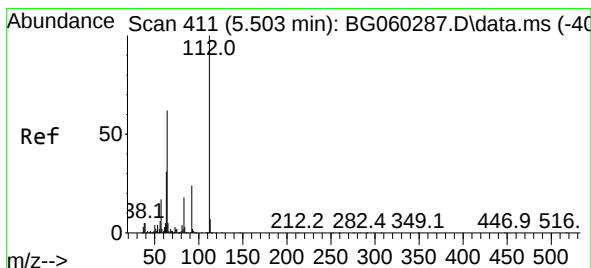
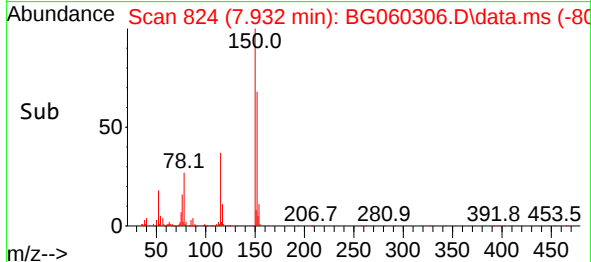
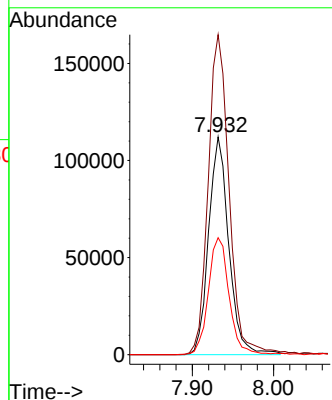
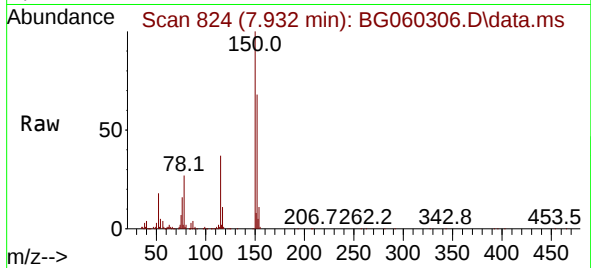




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.932 min Scan# 81  
Delta R.T. 0.002 min  
Lab File: BG060306.D  
Acq: 11 Jan 2024 12:28

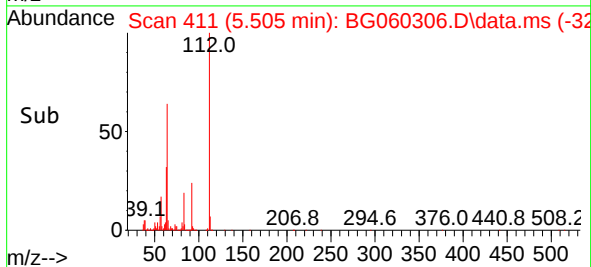
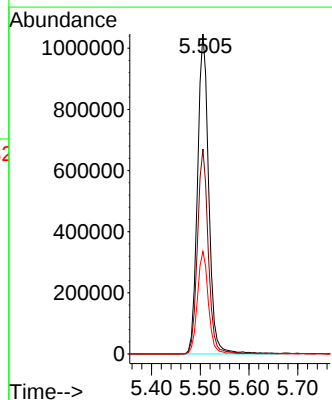
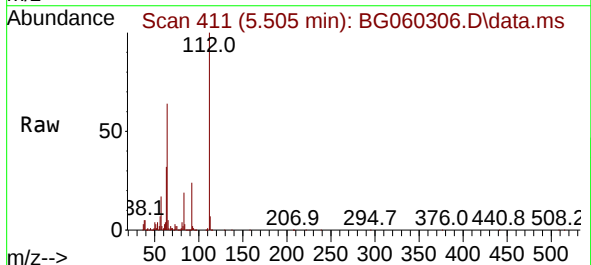
Instrument :  
BNA\_G  
ClientSampleId :  
PB158244TB

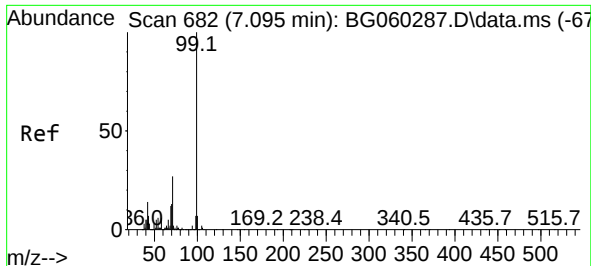
Tgt Ion:152 Resp: 193384  
Ion Ratio Lower Upper  
152 100  
150 146.9 114.5 171.7  
115 53.7 43.0 64.6



#5  
2-Fluorophenol  
Concen: 143.068 ng  
RT: 5.505 min Scan# 411  
Delta R.T. 0.002 min  
Lab File: BG060306.D  
Acq: 11 Jan 2024 12:28

Tgt Ion:112 Resp: 1682109  
Ion Ratio Lower Upper  
112 100  
64 64.1 49.8 74.6  
63 32.1 24.4 36.6



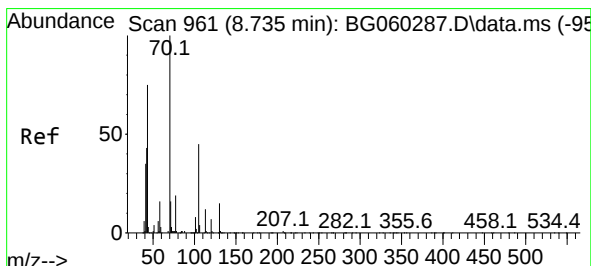
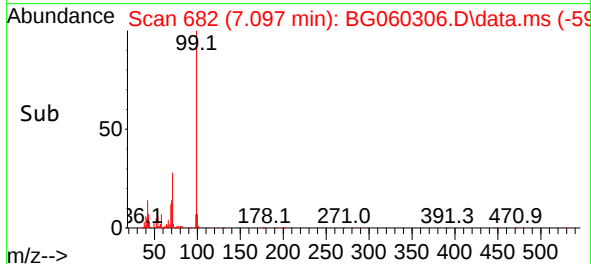
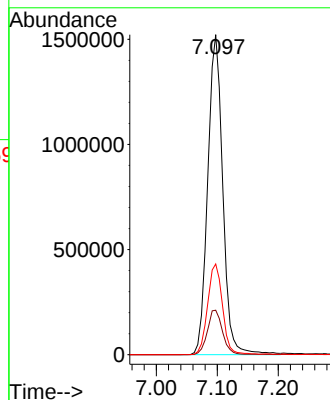
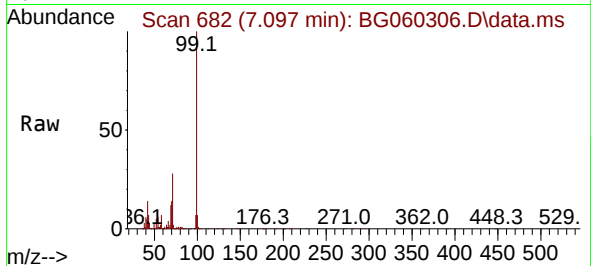


#7  
Phenol-d6  
Concen: 150.046 ng  
RT: 7.097 min Scan# 61  
Delta R.T. 0.002 min  
Lab File: BG060306.D  
Acq: 11 Jan 2024 12:28

Instrument :  
BNA\_G  
ClientSampleId :  
PB158244TB

Tgt Ion: 99 Resp: 2612302

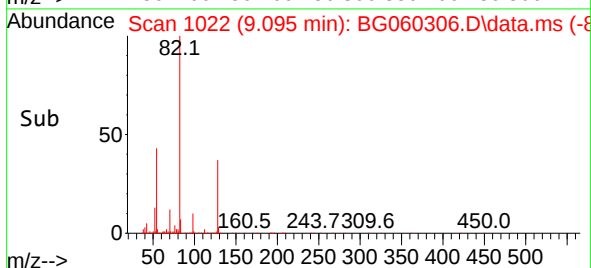
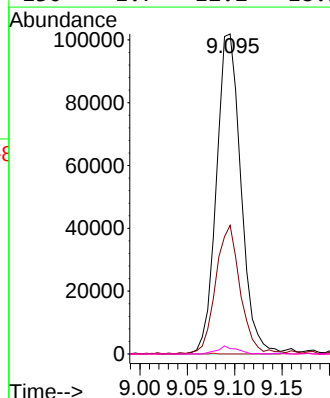
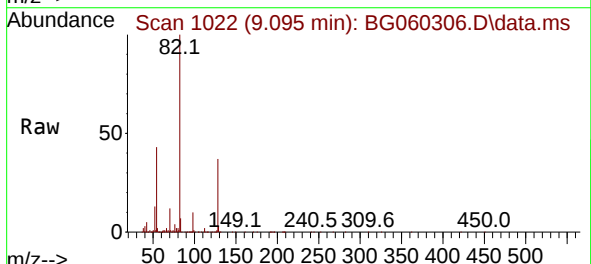
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 13.9  | 10.9  | 16.3  |
| 71  | 28.3  | 21.5  | 32.3  |

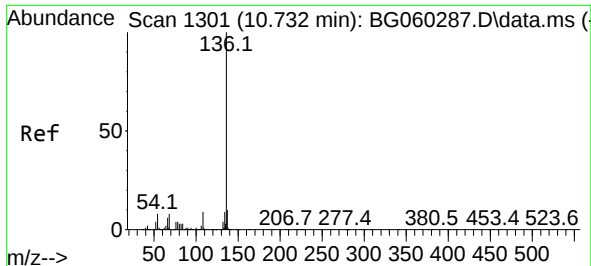


#19  
n-Nitroso-di-n-propylamine  
Concen: 15.217 ng  
RT: 9.095 min Scan# 1022  
Delta R.T. 0.361 min  
Lab File: BG060306.D  
Acq: 11 Jan 2024 12:28

Tgt Ion: 70 Resp: 183357

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 40.2  | 34.3  | 51.5  |
| 101 | 0.0   | 6.2   | 9.2#  |
| 130 | 1.7   | 12.2  | 18.2# |

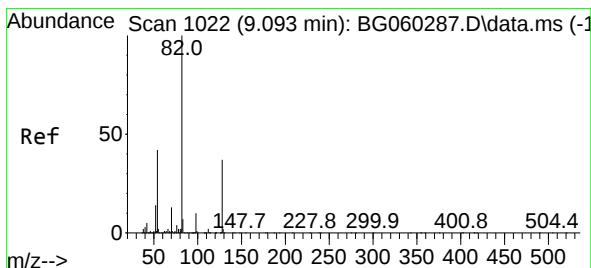
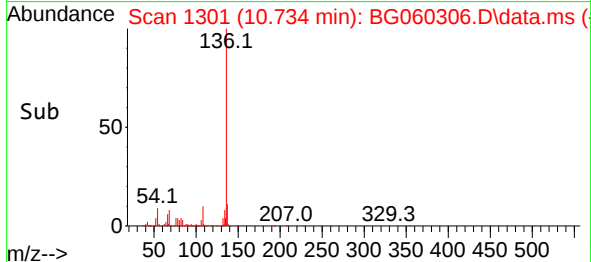
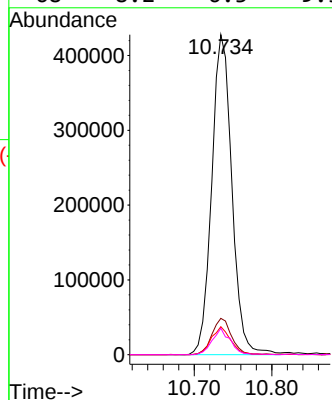
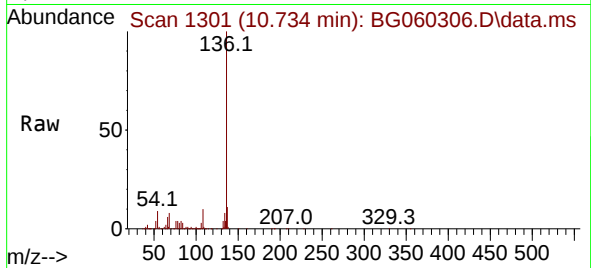




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.734 min Scan# 1301  
Delta R.T. 0.002 min  
Lab File: BG060306.D  
Acq: 11 Jan 2024 12:28

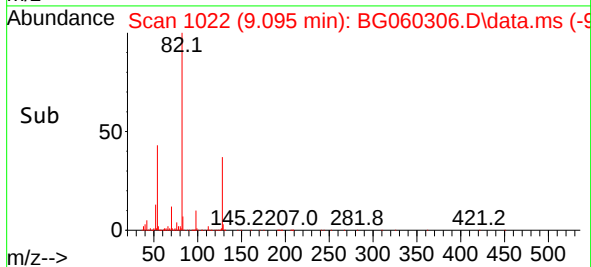
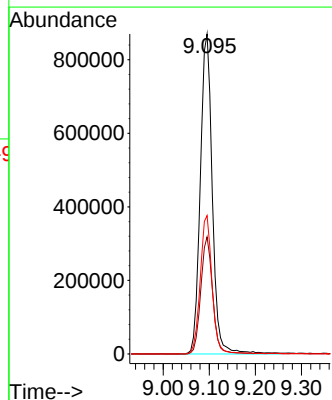
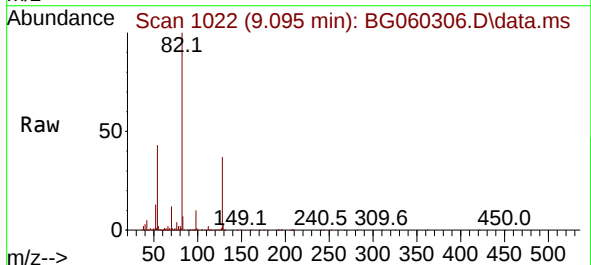
Instrument :  
BNA\_G  
ClientSampleId :  
PB158244TB

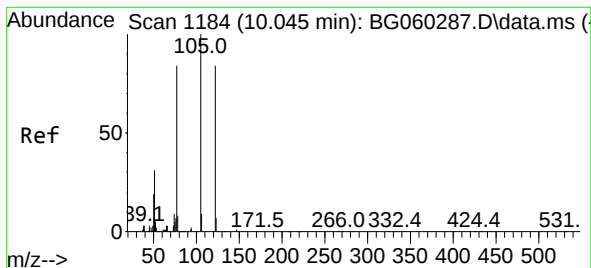
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 772296 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.4  | 8.2   | 12.4   |
| 54       | 8.8   | 6.2   | 9.2    |
| 68       | 8.2   | 6.3   | 9.5    |



#23  
Nitrobenzene-d5  
Concen: 96.650 ng  
RT: 9.095 min Scan# 1022  
Delta R.T. 0.002 min  
Lab File: BG060306.D  
Acq: 11 Jan 2024 12:28

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 82    | Resp: | 1580731 |
| Ion      | Ratio | Lower | Upper   |
| 82       | 100   |       |         |
| 128      | 36.6  | 29.6  | 44.4    |
| 54       | 43.2  | 33.6  | 50.4    |





#32

Benzoic acid

Concen: 10.231 ng

RT: 10.258 min Scan# 1184

Delta R.T. 0.213 min

Lab File: BG060306.D

Acq: 11 Jan 2024 12:28

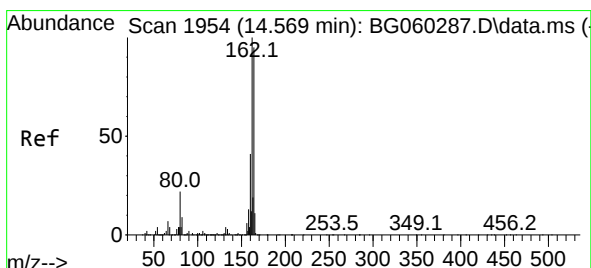
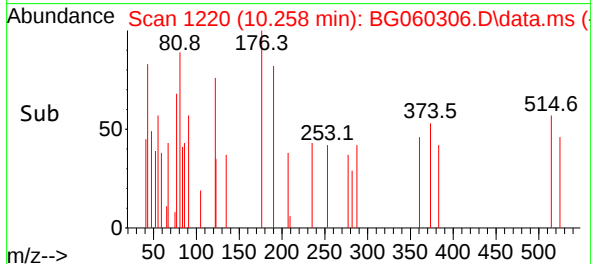
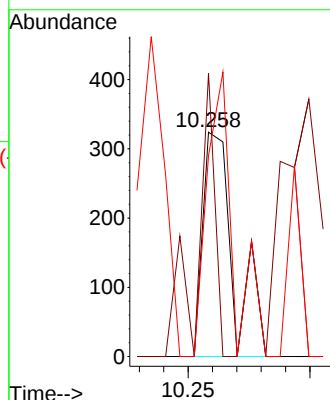
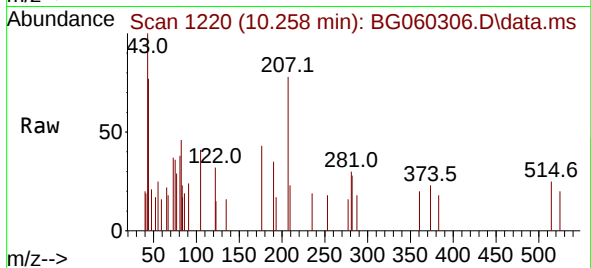
Instrument :

BNA\_G

ClientSampleId :

PB158244TB

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 122   | Resp: | 282   |
| Ion      | Ratio | Lower | Upper |
| 122      | 100   |       |       |
| 105      | 126.2 | 96.0  | 136.0 |
| 77       | 89.5  | 80.1  | 120.1 |



#39

Acenaphthene-d10

Concen: 20.000 ng

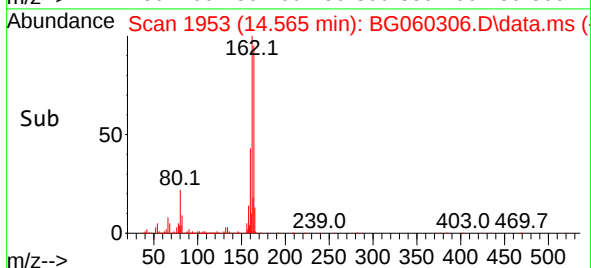
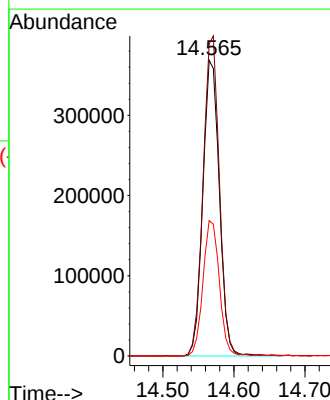
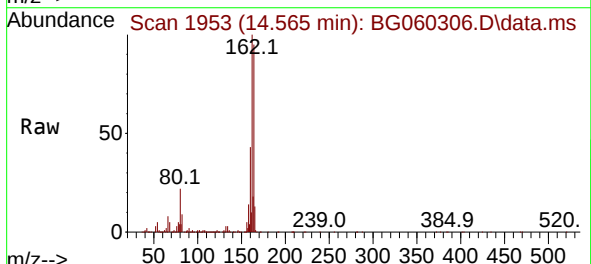
RT: 14.565 min Scan# 1953

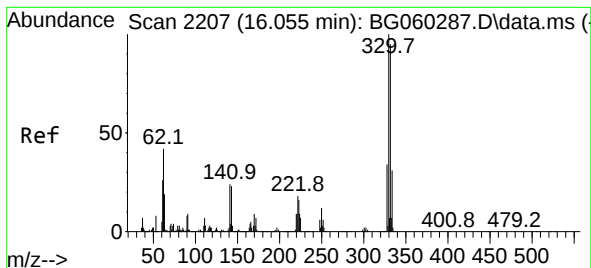
Delta R.T. -0.004 min

Lab File: BG060306.D

Acq: 11 Jan 2024 12:28

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 164   | Resp: | 596695 |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 162      | 105.5 | 84.4  | 126.6  |
| 160      | 45.8  | 34.6  | 52.0   |





#42

2,4,6-Tribromophenol

Concen: 141.643 ng

RT: 16.057 min Scan# 21

Delta R.T. 0.002 min

Lab File: BG060306.D

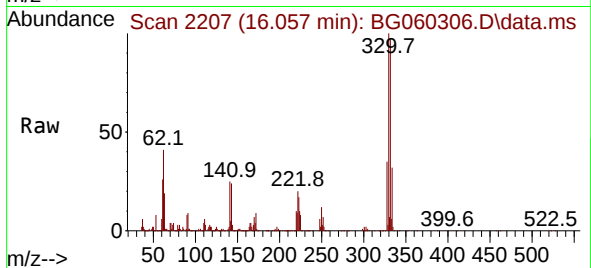
Acq: 11 Jan 2024 12:28

Instrument :

BNA\_G

ClientSampleId :

PB158244TB



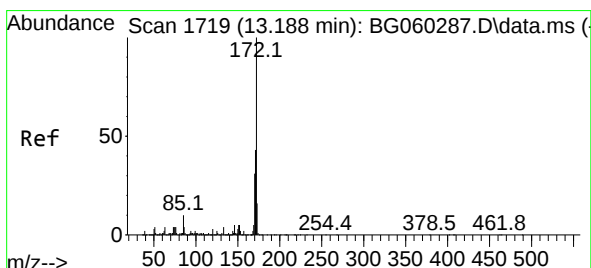
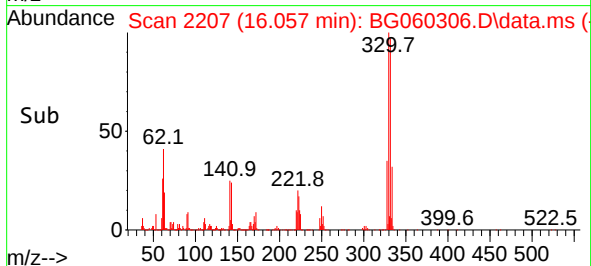
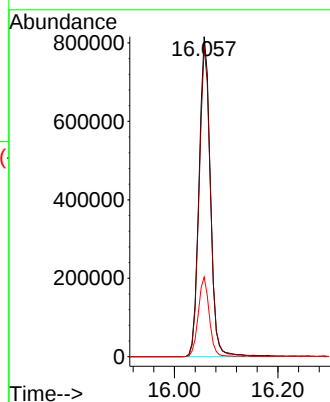
Tgt Ion:330 Resp: 1243500

Ion Ratio Lower Upper

330 100

332 96.0 76.7 115.1

141 23.9 18.6 28.0



#45

2-Fluorobiphenyl

Concen: 87.906 ng

RT: 13.190 min Scan# 1719

Delta R.T. 0.002 min

Lab File: BG060306.D

Acq: 11 Jan 2024 12:28

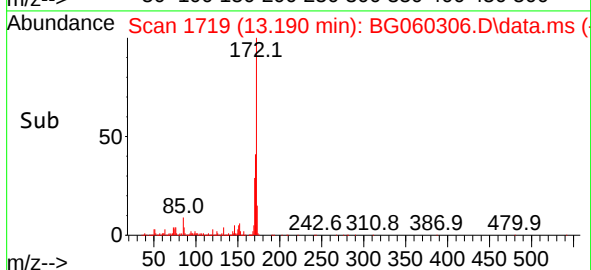
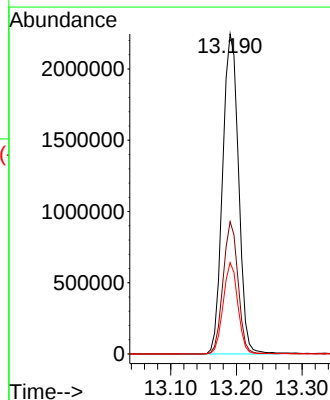
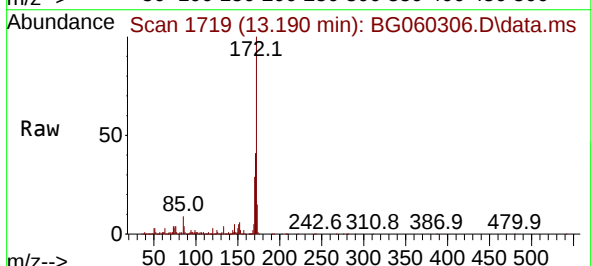
Tgt Ion:172 Resp: 3772724

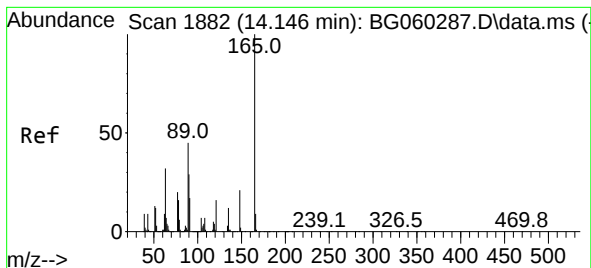
Ion Ratio Lower Upper

172 100

171 41.3 34.6 51.8

170 28.6 24.4 36.6

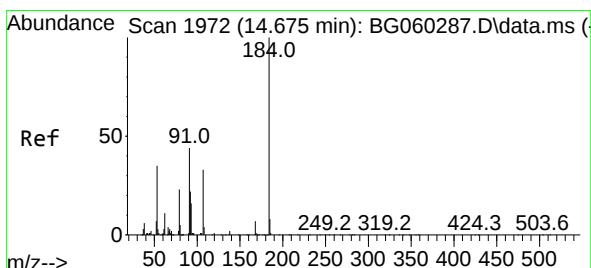
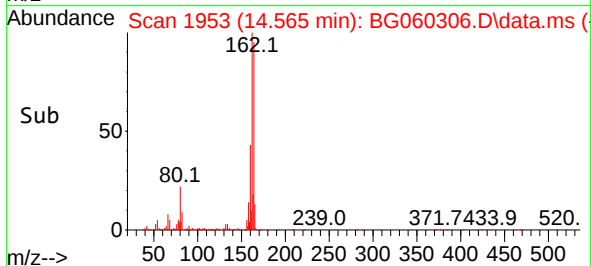
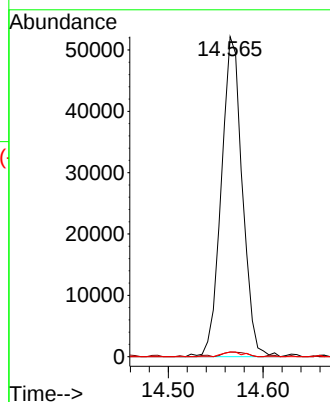
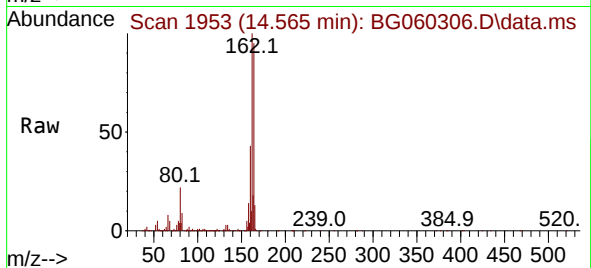




#51  
 2,6-Dinitrotoluene  
 Concen: 8.276 ng  
 RT: 14.565 min Scan# 1953  
 Delta R.T. 0.419 min  
 Lab File: BG060306.D  
 Acq: 11 Jan 2024 12:28

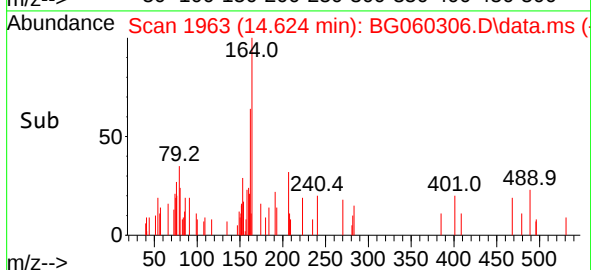
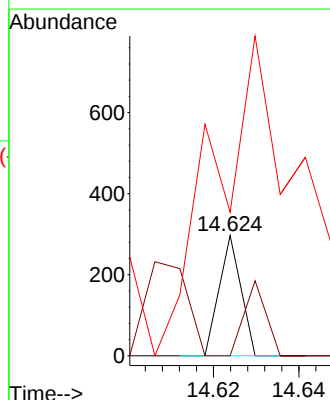
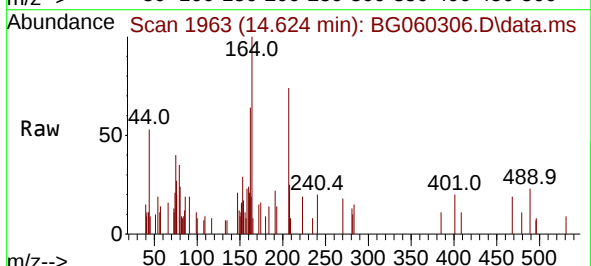
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB158244TB

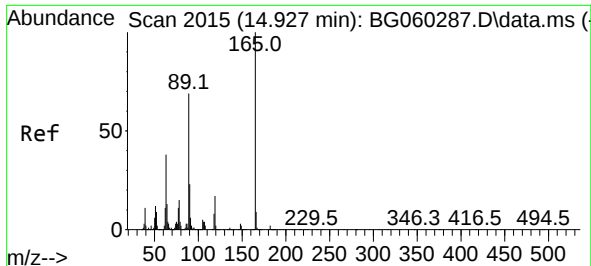
Tgt Ion:165 Resp: 80522  
 Ion Ratio Lower Upper  
 165 100  
 63 1.5 35.0 52.4#  
 89 1.4 36.2 54.2#



#54  
 2,4-Dinitrophenol  
 Concen: 8.603 ng  
 RT: 14.624 min Scan# 1963  
 Delta R.T. -0.051 min  
 Lab File: BG060306.D  
 Acq: 11 Jan 2024 12:28

Tgt Ion:184 Resp: 105  
 Ion Ratio Lower Upper  
 184 100  
 63 0.0 41.0 61.4#  
 154 119.2 39.2 58.8#





#57

2,4-Dinitrotoluene

Concen: 6.035 ng

RT: 14.565 min Scan# 1953

Delta R.T. -0.362 min

Lab File: BG060306.D

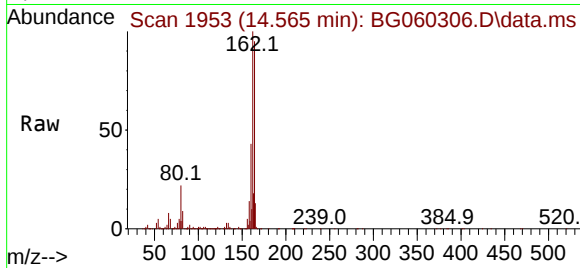
Acq: 11 Jan 2024 12:28

Instrument :

BNA\_G

ClientSampleId :

PB158244TB



Tgt Ion:165 Resp: 80522

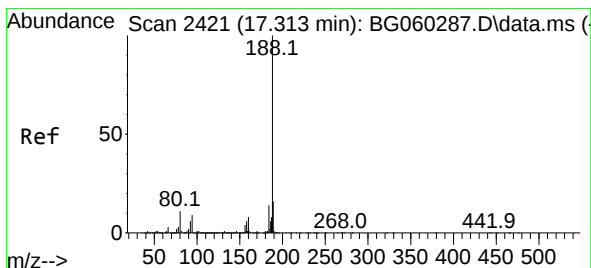
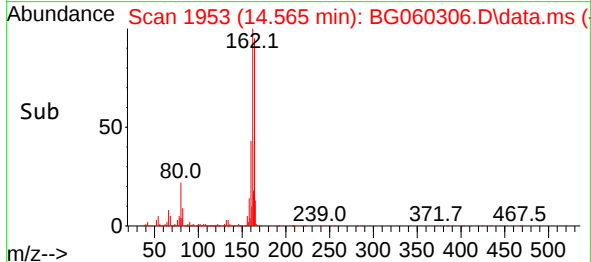
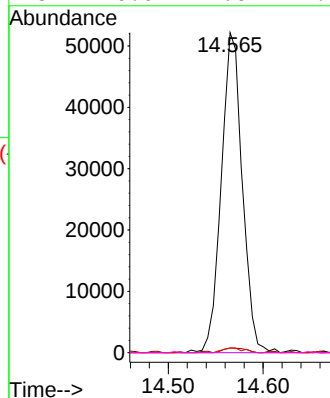
Ion Ratio Lower Upper

165 100

63 1.5 30.4 45.6#

89 1.4 55.4 83.0#

182 0.0 1.6 2.4#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.315 min Scan# 2421

Delta R.T. 0.002 min

Lab File: BG060306.D

Acq: 11 Jan 2024 12:28

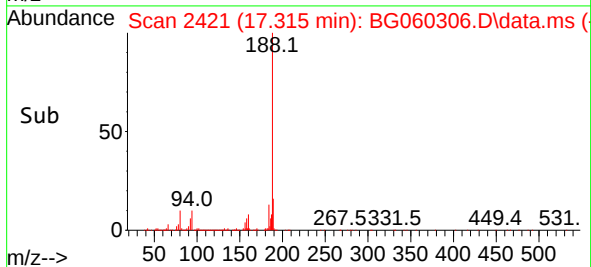
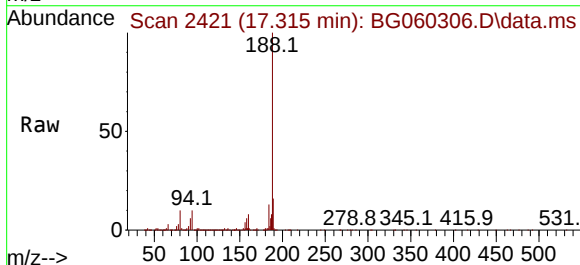
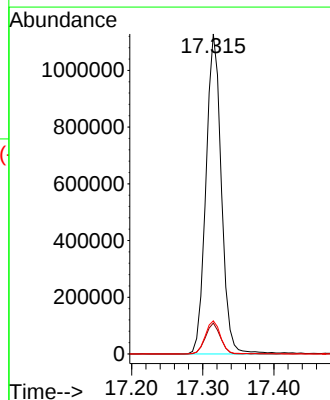
Tgt Ion:188 Resp: 1700896

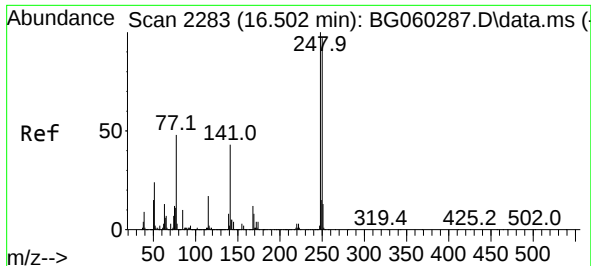
Ion Ratio Lower Upper

188 100

94 9.7 7.1 10.7

80 10.4 8.5 12.7

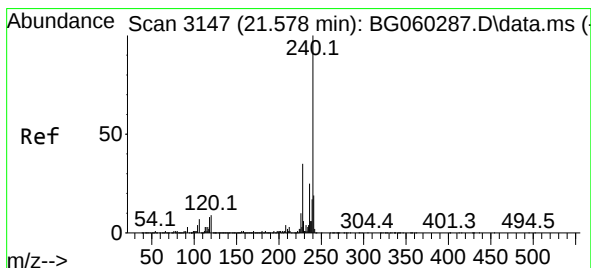
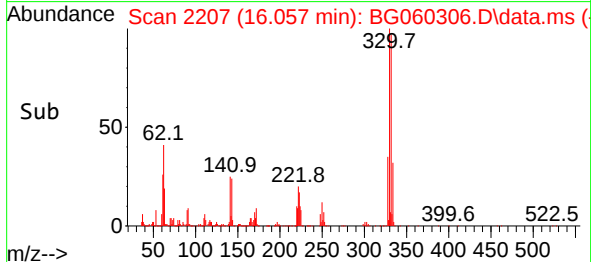
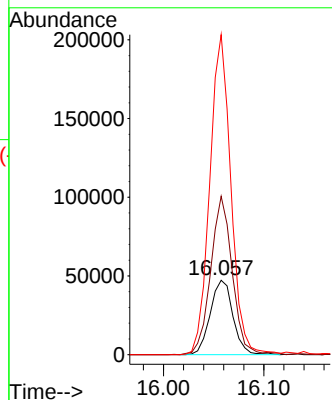
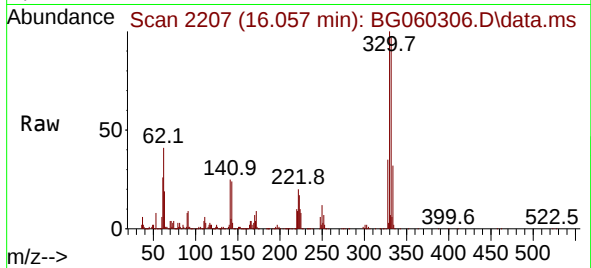




#67  
4-Bromophenyl-phenylether  
Concen: 3.989 ng  
RT: 16.057 min Scan# 21  
Delta R.T. -0.444 min  
Lab File: BG060306.D  
Acq: 11 Jan 2024 12:28

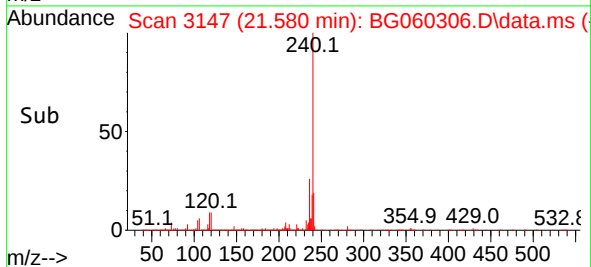
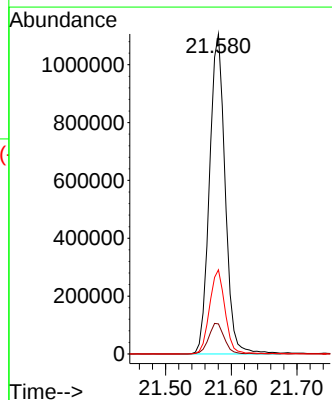
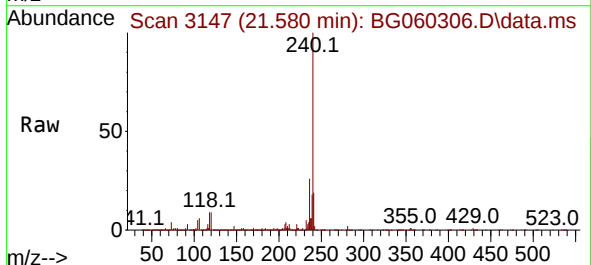
Instrument :  
BNA\_G  
ClientSampleId :  
PB158244TB

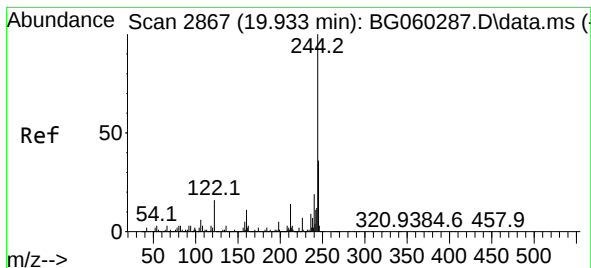
| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 248     | 100   |       |        |
| 250     | 212.9 | 77.6  | 116.4# |
| 141     | 429.9 | 34.2  | 51.4#  |



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.580 min Scan# 3147  
Delta R.T. 0.002 min  
Lab File: BG060306.D  
Acq: 11 Jan 2024 12:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 9.4   | 7.3   | 10.9  |
| 236     | 26.3  | 20.3  | 30.5  |





#79

Terphenyl-d14

Concen: 84.238 ng

RT: 19.935 min Scan# 21

Delta R.T. 0.002 min

Lab File: BG060306.D

Acq: 11 Jan 2024 12:28

Instrument :

BNA\_G

ClientSampleId :

PB158244TB

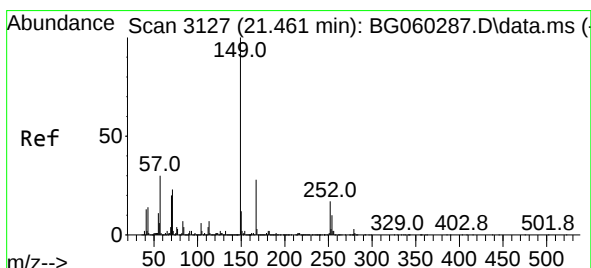
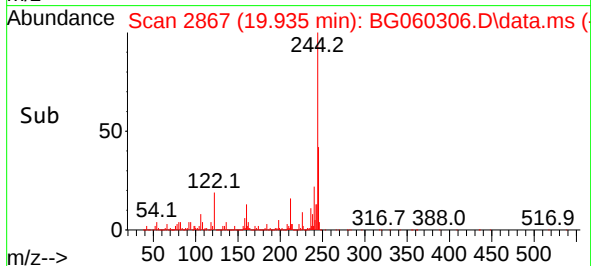
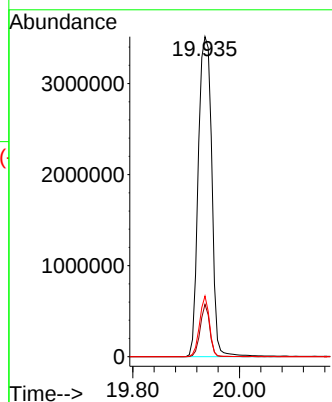
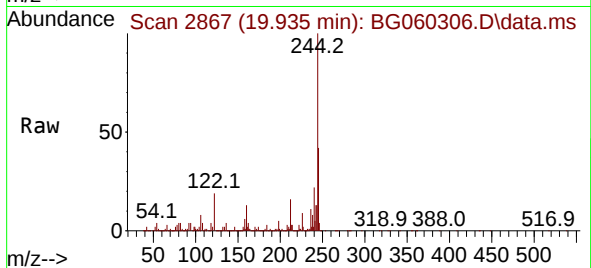
Tgt Ion:244 Resp: 6146503

Ion Ratio Lower Upper

244 100

212 16.3 10.9 16.3#

122 19.0 12.6 18.8#



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.827 ng

RT: 21.469 min Scan# 3128

Delta R.T. 0.008 min

Lab File: BG060306.D

Acq: 11 Jan 2024 12:28

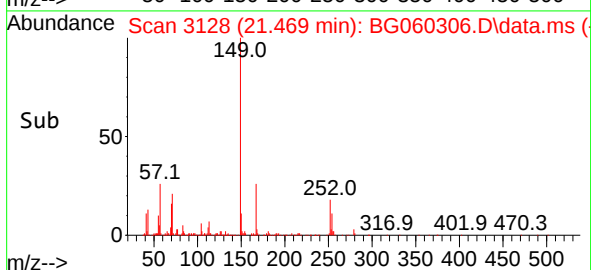
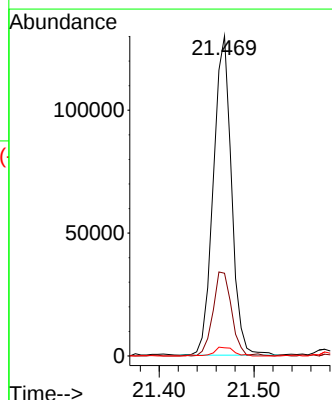
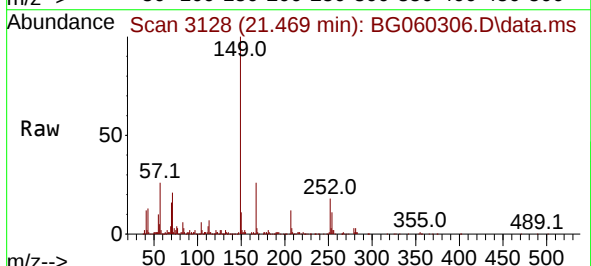
Tgt Ion:149 Resp: 172112

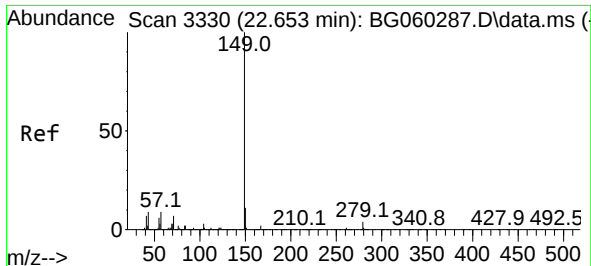
Ion Ratio Lower Upper

149 100

167 25.8 22.2 33.2

279 2.5 2.7 4.1#

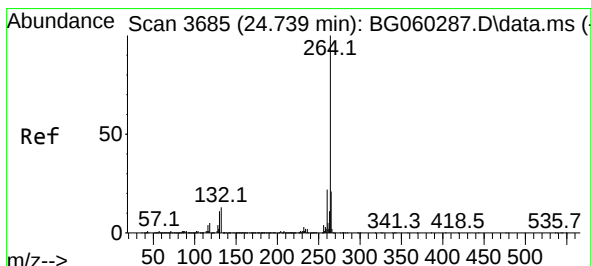
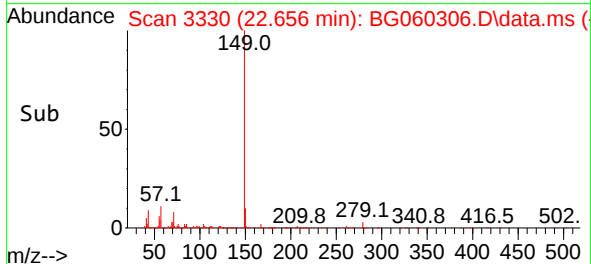
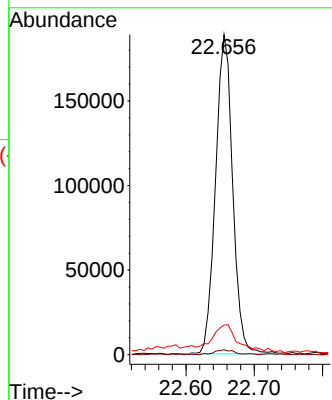
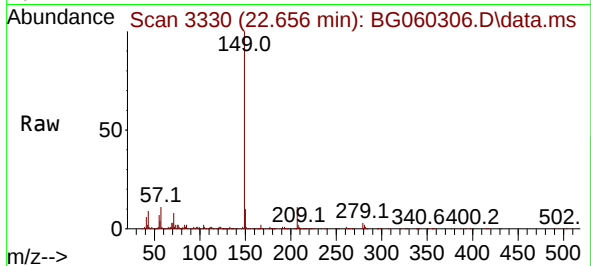




#85  
Di-n-octyl phthalate  
Concen: 3.344 ng  
RT: 22.656 min Scan# 31  
Delta R.T. 0.002 min  
Lab File: BG060306.D  
Acq: 11 Jan 2024 12:28

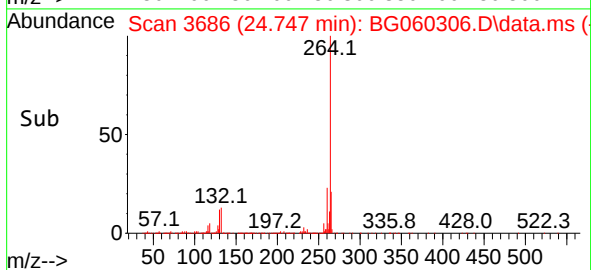
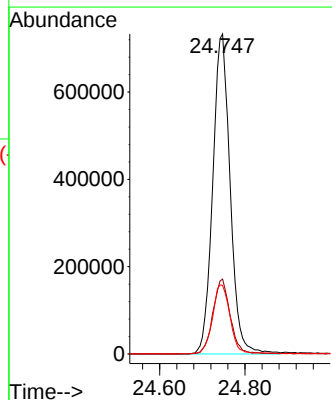
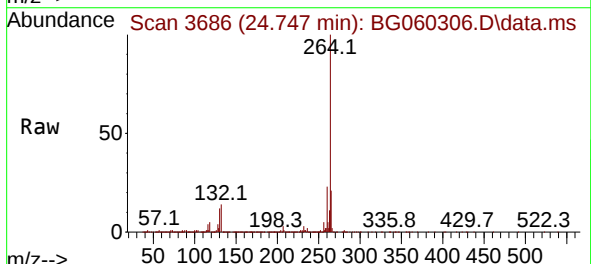
Instrument :  
BNA\_G  
ClientSampleId :  
PB158244TB

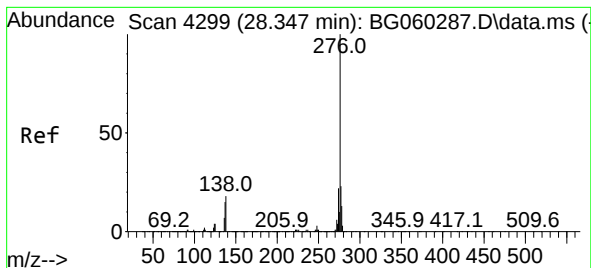
Tgt Ion:149 Resp: 329972  
Ion Ratio Lower Upper  
149 100  
167 1.8 1.3 1.9  
43 14.8 6.8 10.2#



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 24.747 min Scan# 3686  
Delta R.T. 0.008 min  
Lab File: BG060306.D  
Acq: 11 Jan 2024 12:28

Tgt Ion:264 Resp: 2077023  
Ion Ratio Lower Upper  
264 100  
260 23.4 17.8 26.6  
265 21.4 16.8 25.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.503 ng

RT: 28.337 min Scan# 4309

Delta R.T. -0.010 min

Lab File: BG060306.D

Acq: 11 Jan 2024 12:28

Instrument :

BNA\_G

ClientSampleId :

PB158244TB

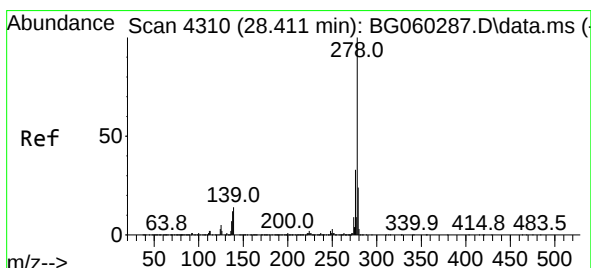
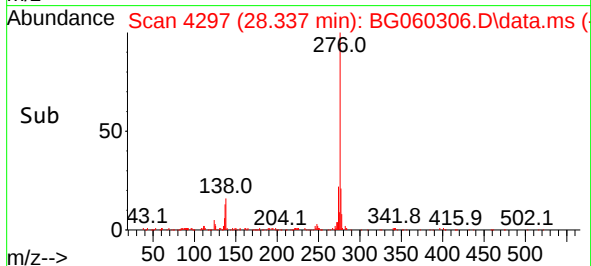
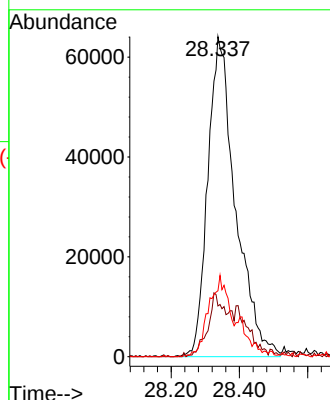
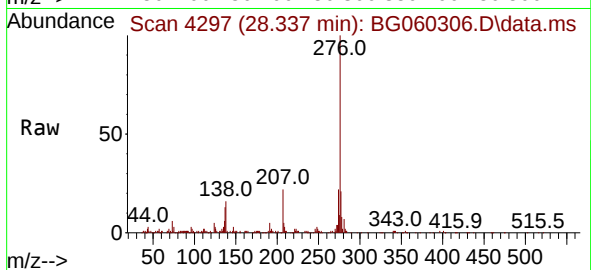
Tgt Ion:276 Resp: 361499

Ion Ratio Lower Upper

276 100

138 11.6 12.5 18.7#

277 18.4 20.5 30.7#



#91

Dibenzo(a,h)anthracene

Concen: 2.458 ng

RT: 28.408 min Scan# 4309

Delta R.T. -0.004 min

Lab File: BG060306.D

Acq: 11 Jan 2024 12:28

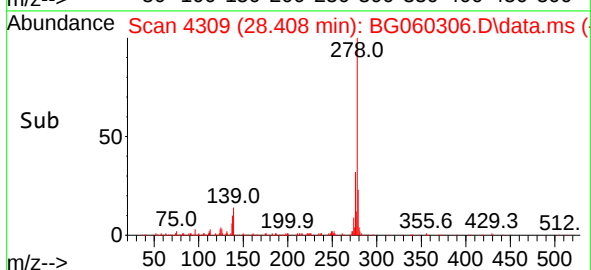
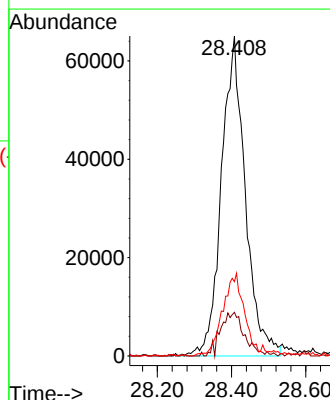
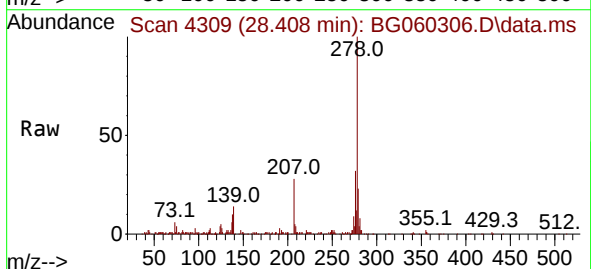
Tgt Ion:278 Resp: 289857

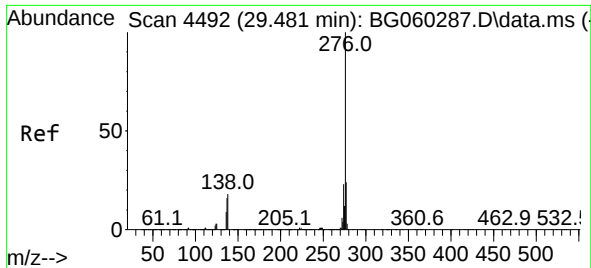
Ion Ratio Lower Upper

278 100

139 13.7 10.9 16.3

279 23.2 19.2 28.8





#92  
 Benzo(g,h,i)perylene  
 Concen: 2.572 ng  
 RT: 29.465 min Scan# 44  
 Delta R.T. -0.015 min  
 Lab File: BG060306.D  
 Acq: 11 Jan 2024 12:28

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB158244TB

Tgt Ion:276 Resp: 310901  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 277 | 23.6  | 19.4  | 29.0  |
| 138 | 15.7  | 14.2  | 21.4  |

