

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG042424\  
 Data File : BG061021.D  
 Acq On : 24 Apr 2024 11:44  
 Operator : MA/JU  
 Sample : PB160449BL  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB160449BL

Quant Time: Apr 24 12:32:05 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG042024.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Apr 22 04:22:00 2024  
 Response via : Initial Calibration

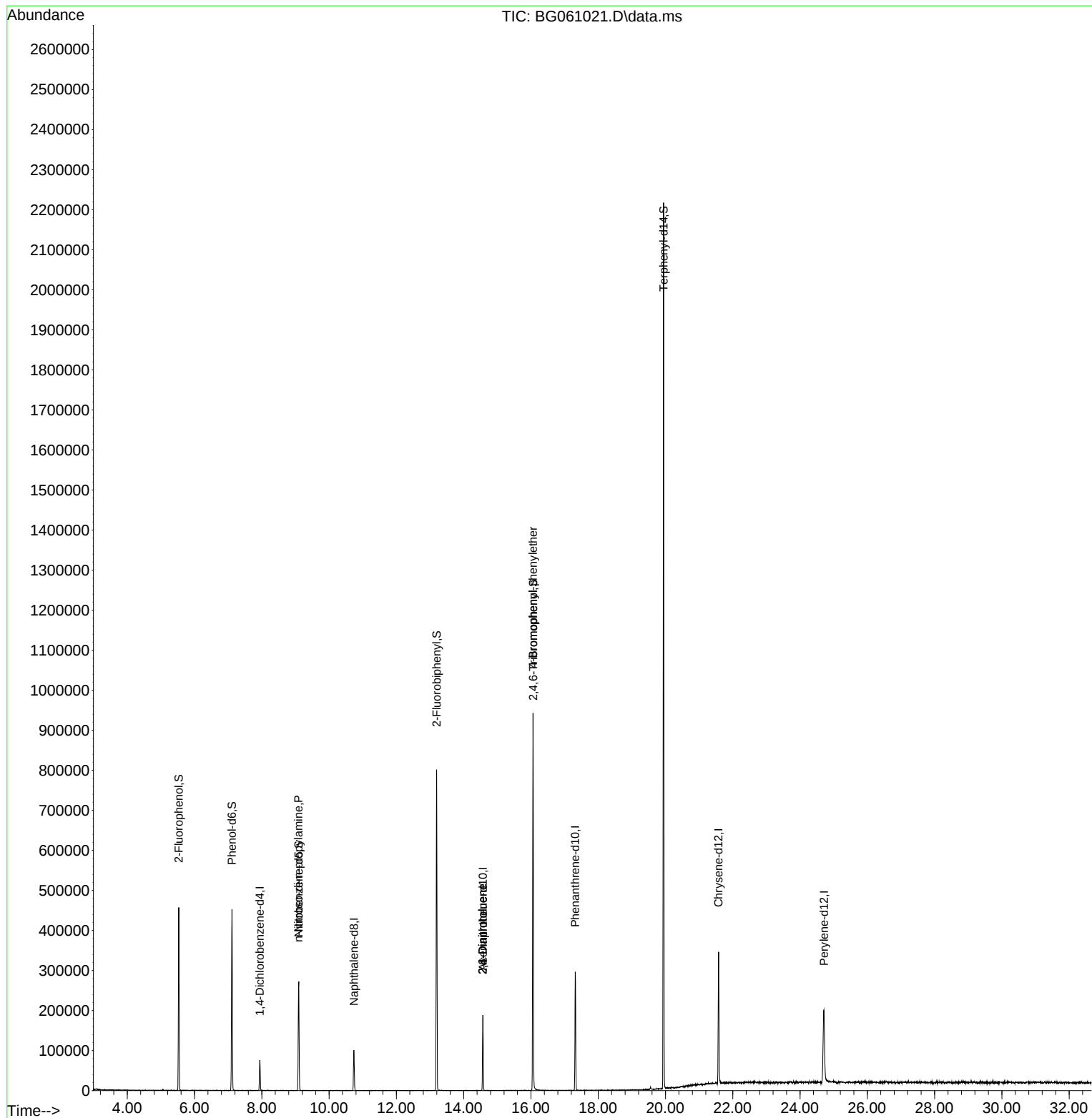
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.940  | 152  | 20519    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.737 | 136  | 77469    | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.574 | 164  | 69450    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.318 | 188  | 194310   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.577 | 240  | 205751   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 24.709 | 264  | 235963   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.531  | 112  | 152842   | 150.671 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.112  | 99   | 204374   | 135.787 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.098  | 82   | 139964   | 81.174  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.066 | 330  | 215500   | 141.305 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.199 | 172  | 429585   | 85.608  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.944 | 244  | 1155188  | 87.150  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
| 19) n-Nitroso-di-n-propyla... | 9.092  | 70   | 20744    | 18.494  | ng    | # 68     |
| 51) 2,6-Dinitrotoluene        | 14.568 | 165  | 9437     | 7.897   | ng    | # 16     |
| 57) 2,4-Dinitrotoluene        | 14.568 | 165  | 9437     | 5.483   | ng    | # 19     |
| 67) 4-Bromophenyl-phenylether | 16.060 | 248  | 13681    | 5.335   | ng    | # 1      |
| -----                         |        |      |          |         |       |          |

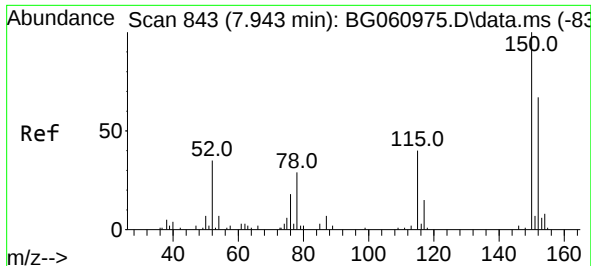
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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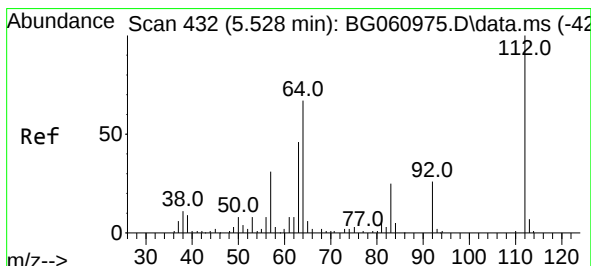
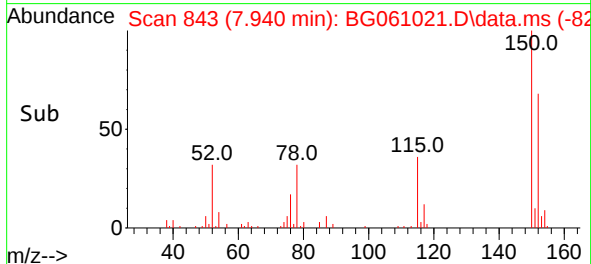
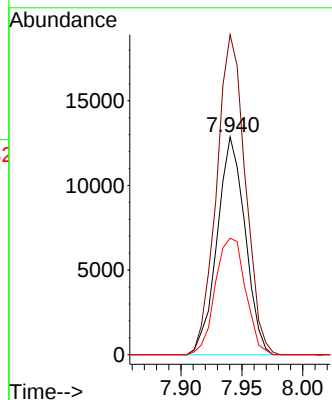
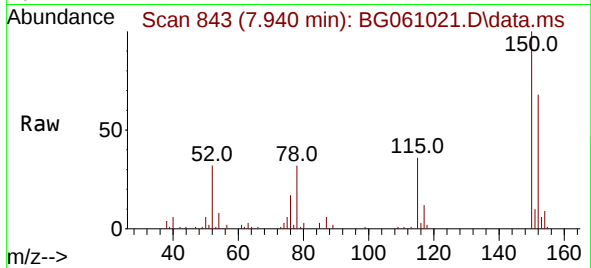




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.940 min Scan# 843  
Delta R.T. -0.003 min  
Lab File: BG061021.D  
Acq: 24 Apr 2024 11:44

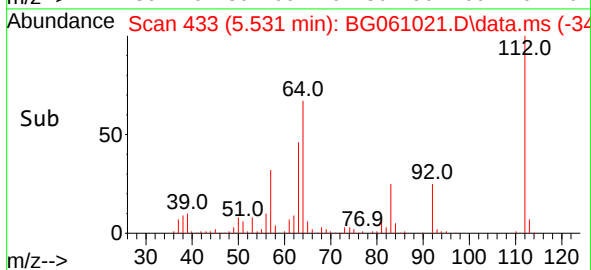
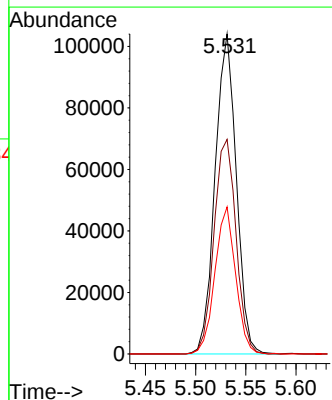
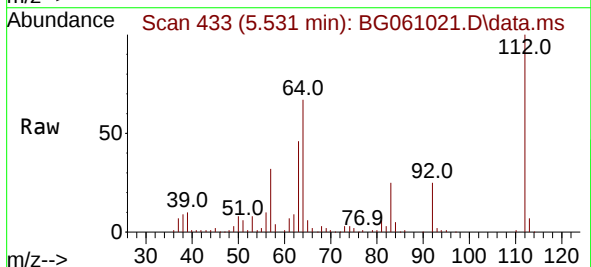
Instrument :  
BNA\_G  
ClientSampleId :  
PB160449BL

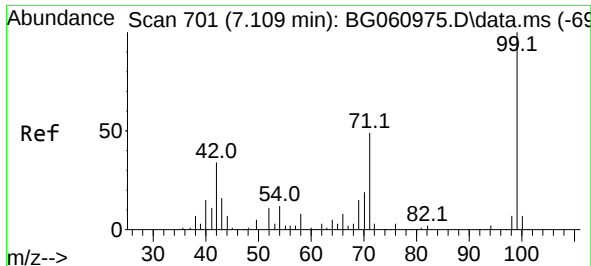
Tgt Ion:152 Resp: 20519  
Ion Ratio Lower Upper  
152 100  
150 147.0 118.6 178.0  
115 53.5 47.4 71.0



#5  
2-Fluorophenol  
Concen: 150.671 ng  
RT: 5.531 min Scan# 433  
Delta R.T. 0.003 min  
Lab File: BG061021.D  
Acq: 24 Apr 2024 11:44

Tgt Ion:112 Resp: 152842  
Ion Ratio Lower Upper  
112 100  
64 67.1 53.7 80.5  
63 46.0 37.0 55.6

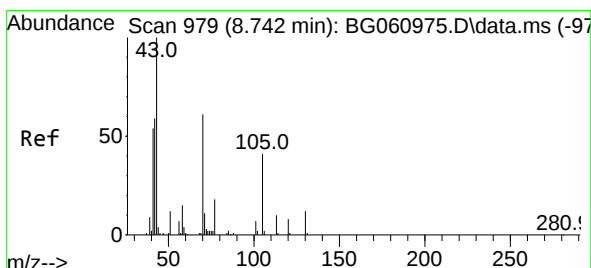
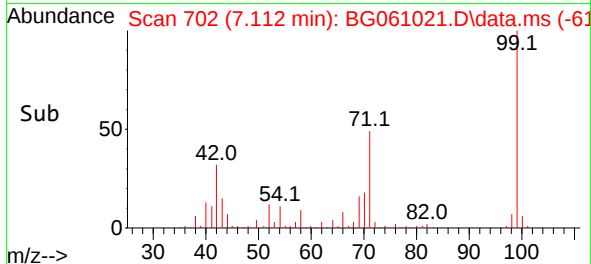
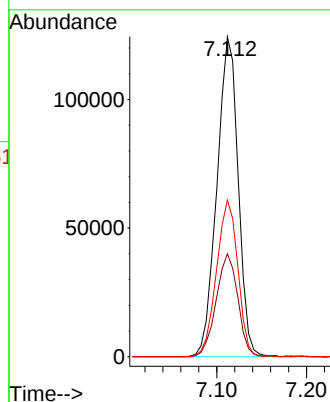
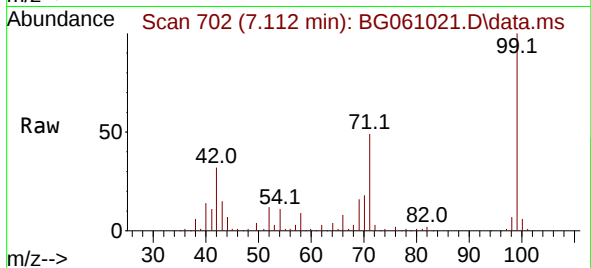




#7  
Phenol-d6  
Concen: 135.787 ng  
RT: 7.112 min Scan# 701  
Delta R.T. 0.003 min  
Lab File: BG061021.D  
Acq: 24 Apr 2024 11:44

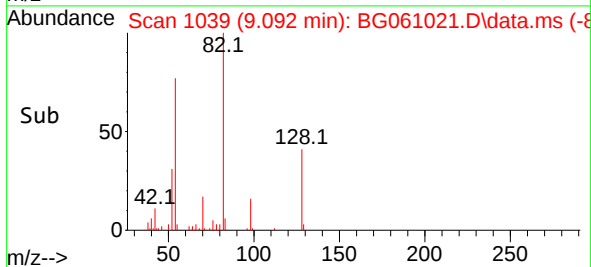
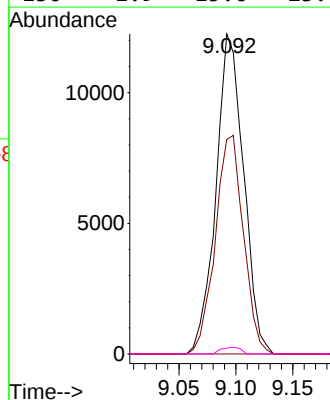
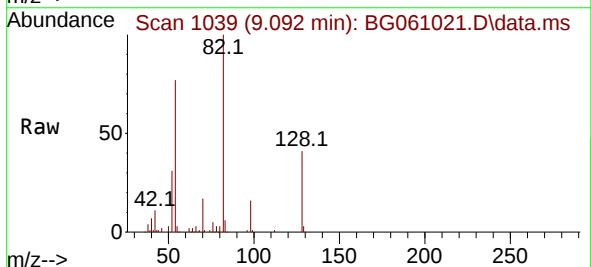
Instrument :  
BNA\_G  
ClientSampleId :  
PB160449BL

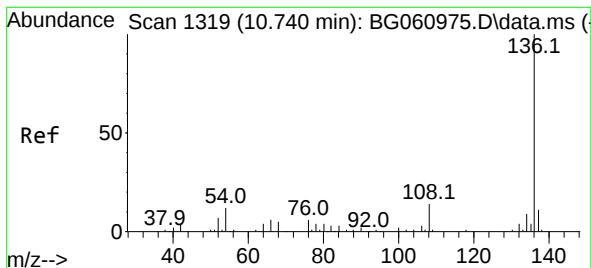
Tgt Ion: 99 Resp: 204374  
Ion Ratio Lower Upper  
99 100  
42 32.2 27.2 40.8  
71 48.9 38.8 58.2



#19  
n-Nitroso-di-n-propylamine  
Concen: 18.494 ng  
RT: 9.092 min Scan# 1039  
Delta R.T. 0.350 min  
Lab File: BG061021.D  
Acq: 24 Apr 2024 11:44

Tgt Ion: 70 Resp: 20744  
Ion Ratio Lower Upper  
70 100  
42 67.1 78.0 117.0#  
101 0.0 8.6 13.0#  
130 1.9 15.6 23.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.737 min Scan# 11

Delta R.T. -0.003 min

Lab File: BG061021.D

Acq: 24 Apr 2024 11:44

Instrument :

BNA\_G

ClientSampleId :

PB160449BL

Tgt Ion:136 Resp: 77469

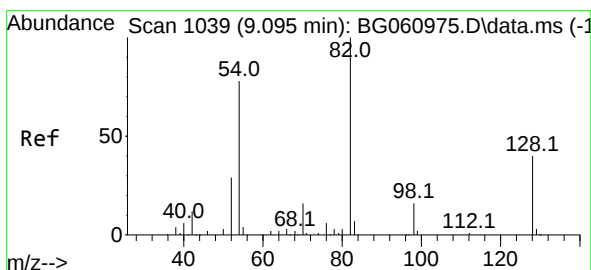
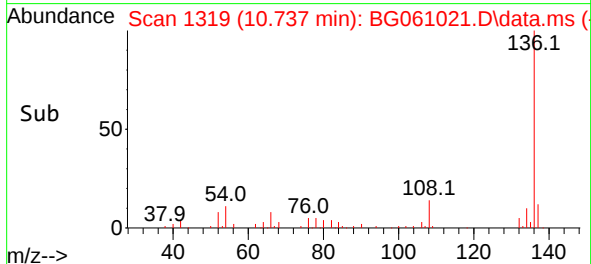
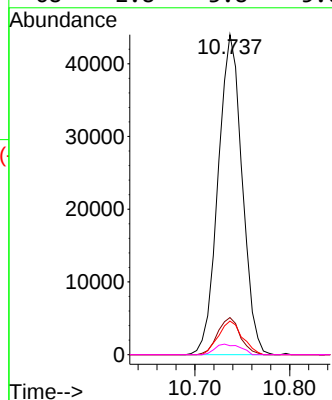
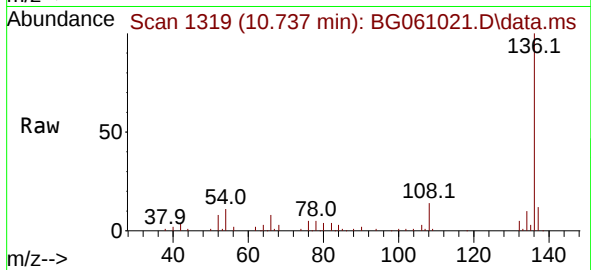
Ion Ratio Lower Upper

136 100

137 11.6 8.5 12.7

54 10.5 9.4 14.0

68 2.8 3.8 5.6#



#23

Nitrobenzene-d5

Concen: 81.174 ng

RT: 9.098 min Scan# 1040

Delta R.T. 0.003 min

Lab File: BG061021.D

Acq: 24 Apr 2024 11:44

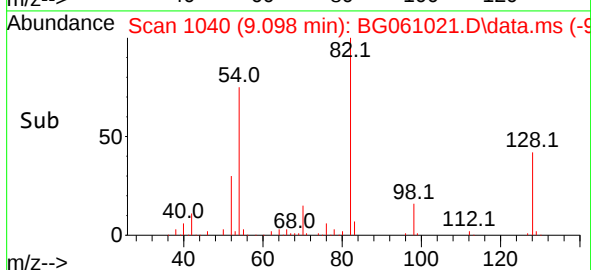
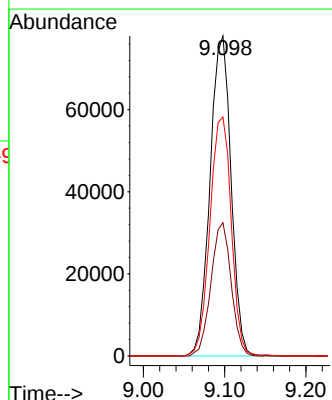
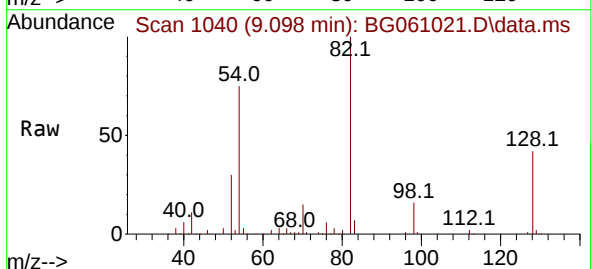
Tgt Ion: 82 Resp: 139964

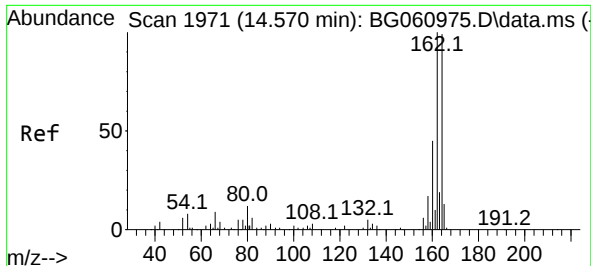
Ion Ratio Lower Upper

82 100

128 41.7 32.1 48.1

54 74.7 62.3 93.5

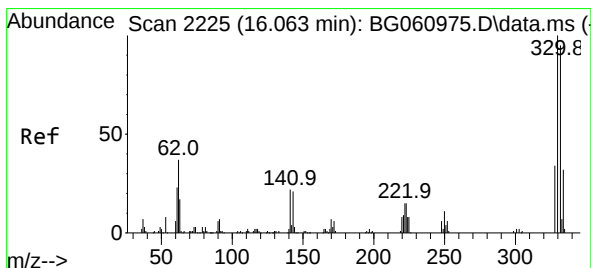
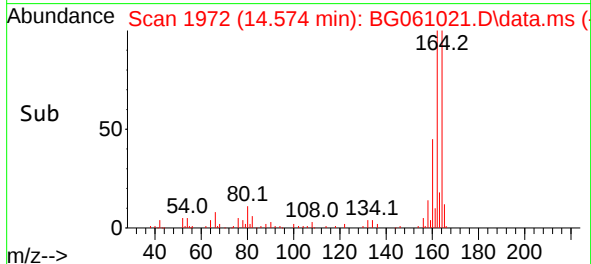
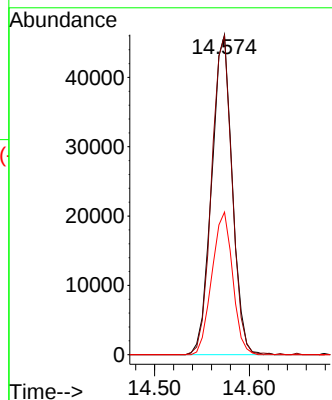
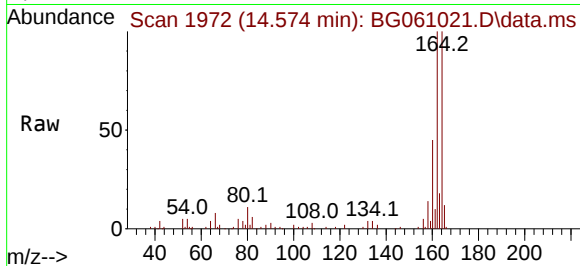




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.574 min Scan# 1971  
Delta R.T. 0.003 min  
Lab File: BG061021.D  
Acq: 24 Apr 2024 11:44

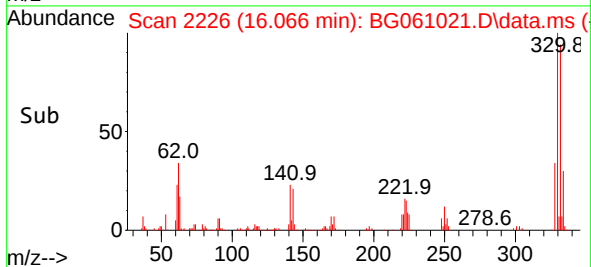
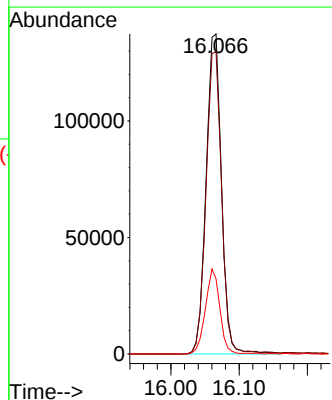
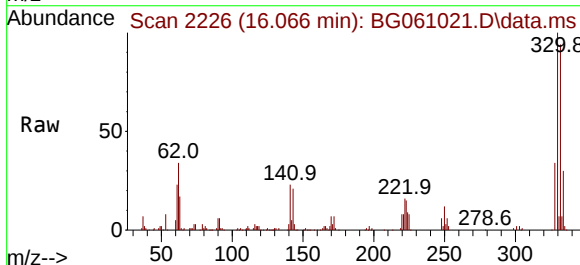
Instrument :  
BNA\_G  
ClientSampleId :  
PB160449BL

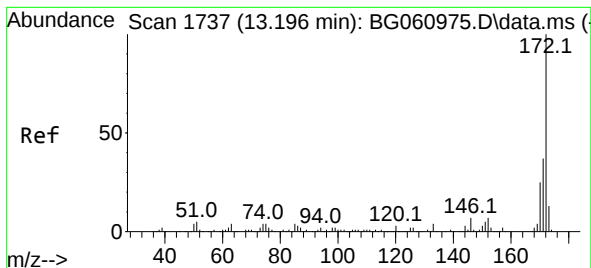
Tgt Ion:164 Resp: 69450  
Ion Ratio Lower Upper  
164 100  
162 99.8 81.2 121.8  
160 44.6 36.2 54.2



#42  
2,4,6-Tribromophenol  
Concen: 141.305 ng  
RT: 16.066 min Scan# 2226  
Delta R.T. 0.003 min  
Lab File: BG061021.D  
Acq: 24 Apr 2024 11:44

Tgt Ion:330 Resp: 215500  
Ion Ratio Lower Upper  
330 100  
332 95.8 77.1 115.7  
141 24.8 20.6 31.0

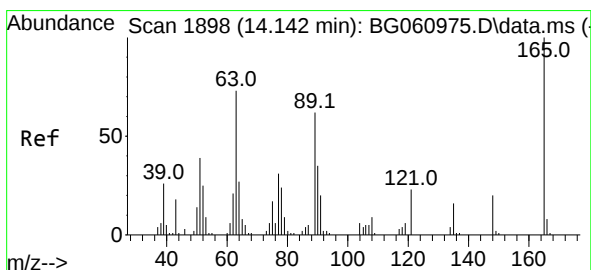
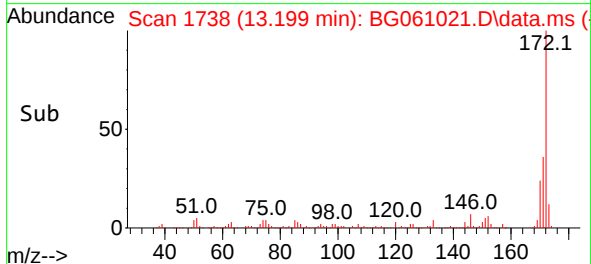
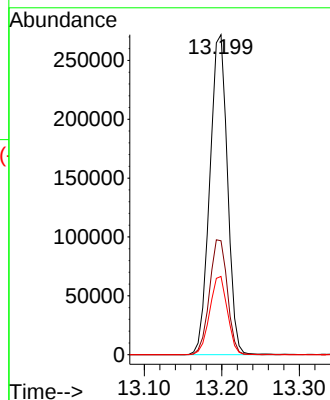
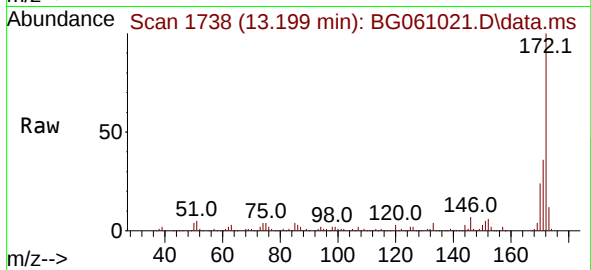




#45  
2-Fluorobiphenyl  
Concen: 85.608 ng  
RT: 13.199 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: BG061021.D  
Acq: 24 Apr 2024 11:44

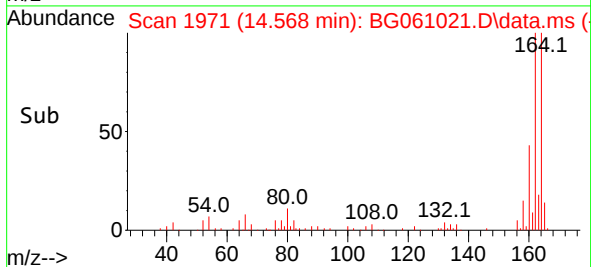
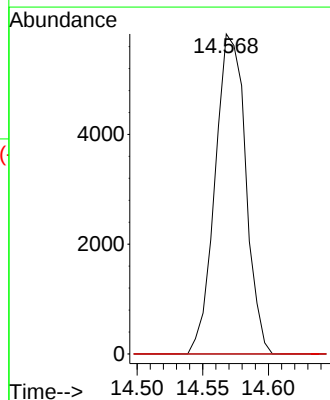
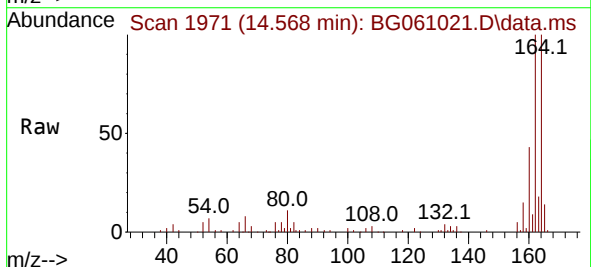
Instrument :  
BNA\_G  
ClientSampleId :  
PB160449BL

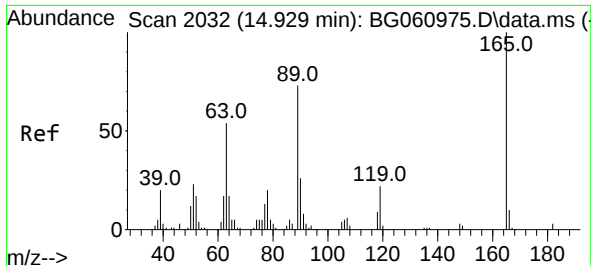
Tgt Ion:172 Resp: 429585  
Ion Ratio Lower Upper  
172 100  
171 35.6 29.3 43.9  
170 24.5 20.1 30.1



#51  
2,6-Dinitrotoluene  
Concen: 7.897 ng  
RT: 14.568 min Scan# 1971  
Delta R.T. 0.426 min  
Lab File: BG061021.D  
Acq: 24 Apr 2024 11:44

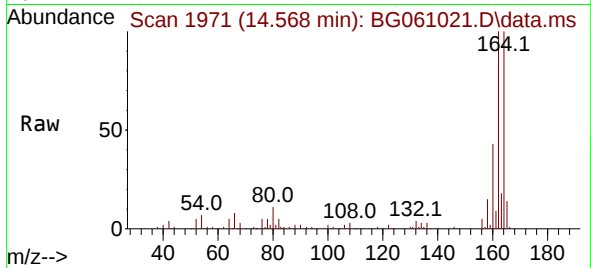
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Ion Ratio Lower Upper  
165 100  
63 0.0 59.6 89.4#  
89 0.0 49.4 74.0#



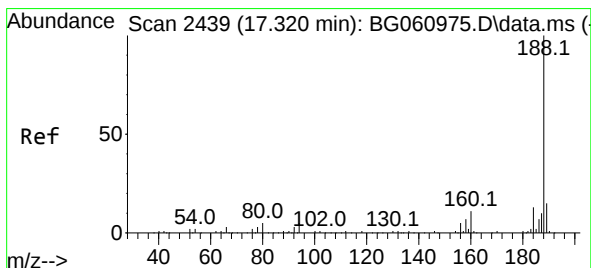
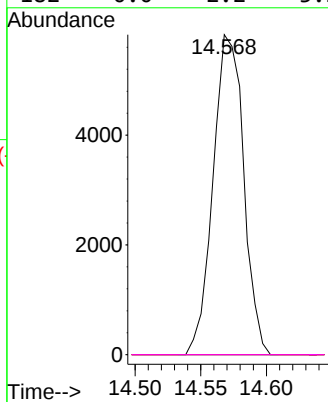
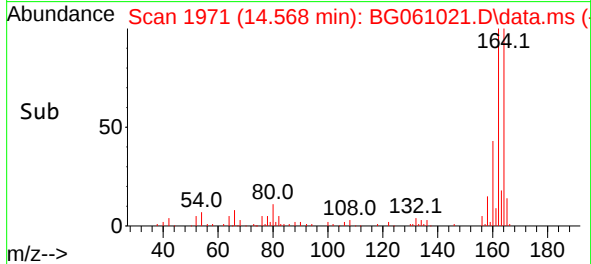


#57  
2,4-Dinitrotoluene  
Concen: 5.483 ng  
RT: 14.568 min Scan# 1971  
Delta R.T. -0.361 min  
Lab File: BG061021.D  
Acq: 24 Apr 2024 11:44

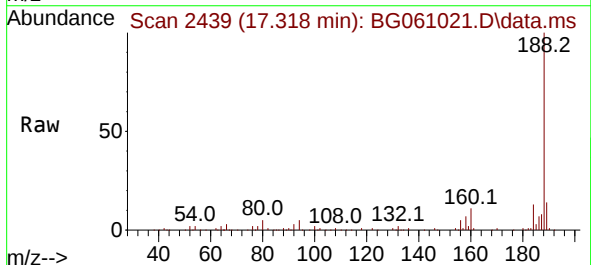
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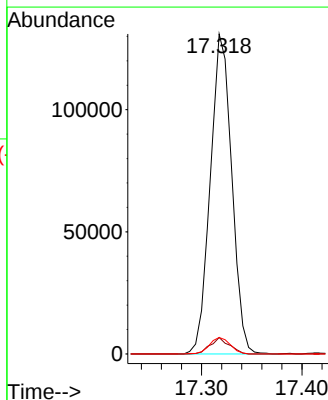
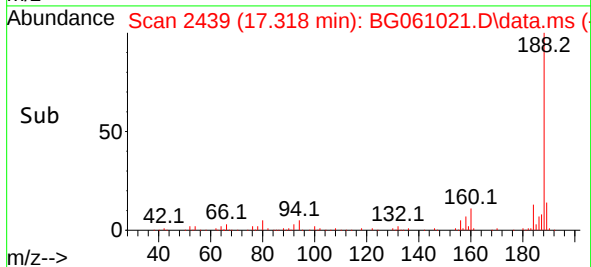
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Ion Ratio Lower Upper  
165 100  
63 0.0 43.4 65.2#  
89 0.0 58.4 87.6#  
182 0.0 2.2 3.2#

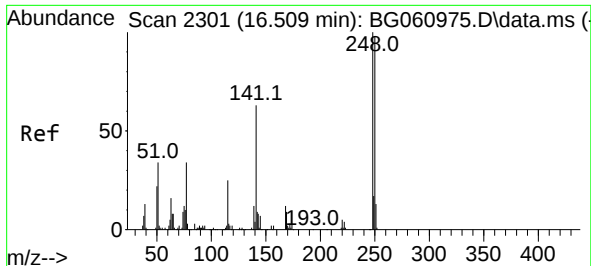


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.318 min Scan# 2439  
Delta R.T. -0.003 min  
Lab File: BG061021.D  
Acq: 24 Apr 2024 11:44



Tgt Ion:188 Resp: 194310  
Ion Ratio Lower Upper  
188 100  
94 5.2 4.1 6.1  
80 5.2 4.0 6.0

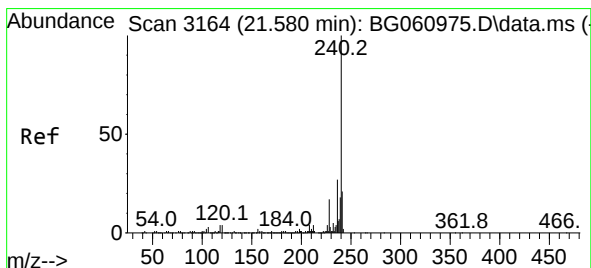
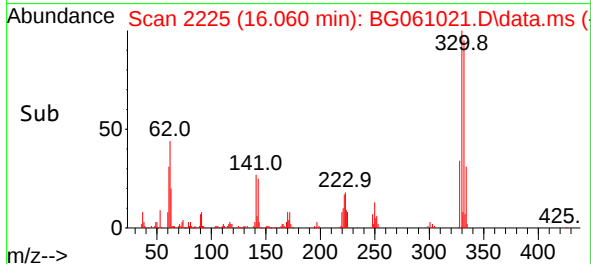
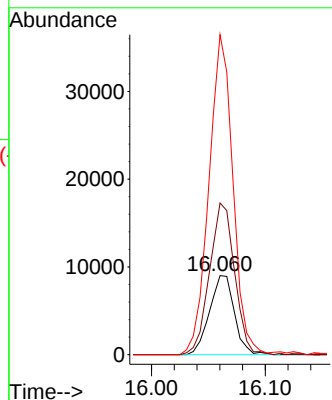
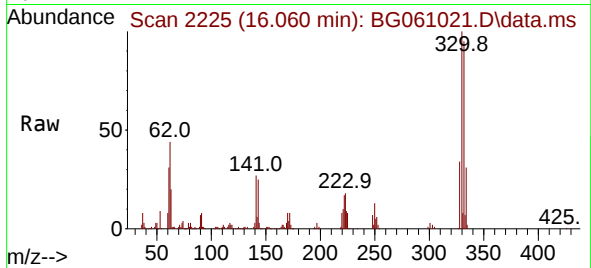




#67  
4-Bromophenyl-phenylether  
Concen: 5.335 ng  
RT: 16.060 min Scan# 211  
Delta R.T. -0.449 min  
Lab File: BG061021.D  
Acq: 24 Apr 2024 11:44

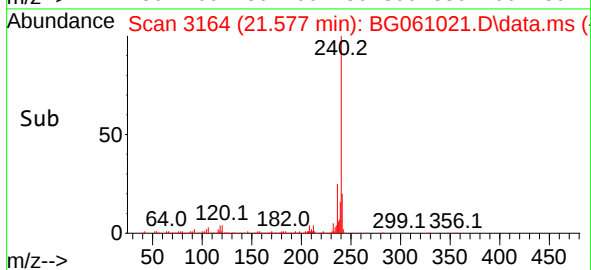
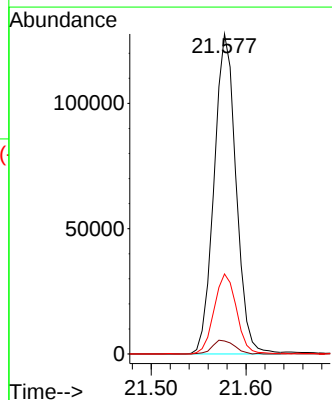
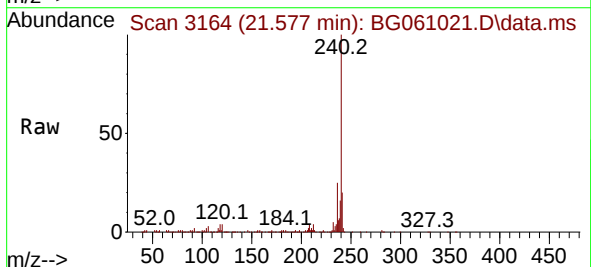
Instrument :  
BNA\_G  
ClientSampleId :  
PB160449BL

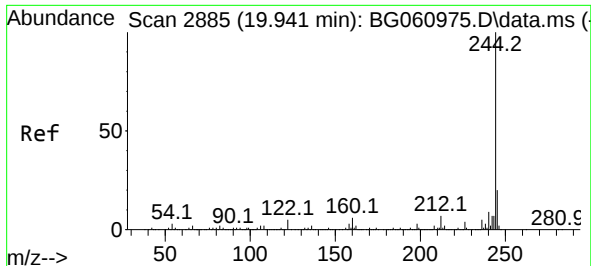
Tgt Ion:248 Resp: 13681  
Ion Ratio Lower Upper  
248 100  
250 191.8 78.7 118.1#  
141 404.8 50.4 75.6#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.577 min Scan# 3164  
Delta R.T. -0.003 min  
Lab File: BG061021.D  
Acq: 24 Apr 2024 11:44

Tgt Ion:240 Resp: 205751  
Ion Ratio Lower Upper  
240 100  
120 4.1 3.0 4.6  
236 25.0 21.8 32.6

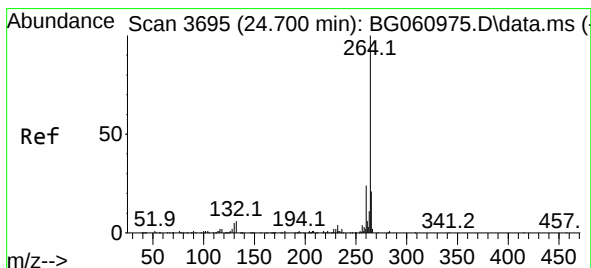
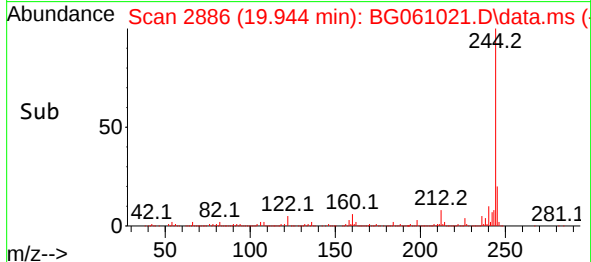
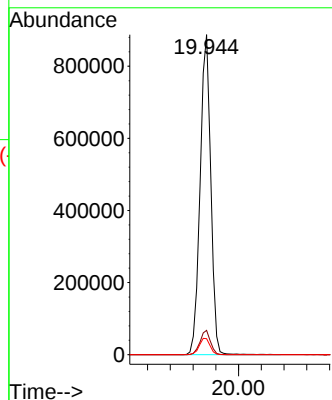
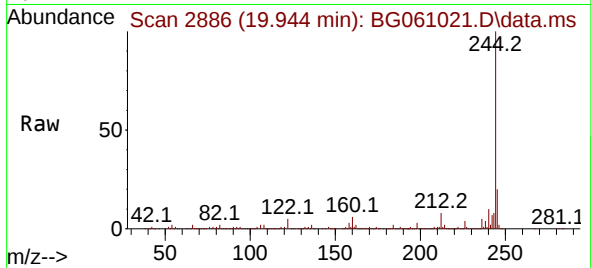




#79  
Terphenyl-d14  
Concen: 87.150 ng  
RT: 19.944 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: BG061021.D  
Acq: 24 Apr 2024 11:44

Instrument :  
BNA\_G  
ClientSampleId :  
PB160449BL

Tgt Ion:244 Resp: 1155188  
Ion Ratio Lower Upper  
244 100  
212 7.6 5.9 8.9  
122 5.0 4.2 6.2



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 24.709 min Scan# 3697  
Delta R.T. 0.009 min  
Lab File: BG061021.D  
Acq: 24 Apr 2024 11:44

Tgt Ion:264 Resp: 235963  
Ion Ratio Lower Upper  
264 100  
260 22.6 19.4 29.2  
265 21.3 17.0 25.4

