

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG041824\  
 Data File : BG060944.D  
 Acq On : 18 Apr 2024 20:38  
 Operator : MA/JU  
 Sample : P2166-02  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 RPI-SS-02

Quant Time: Apr 19 00:48:37 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG041724.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 18 02:02:19 2024  
 Response via : Initial Calibration

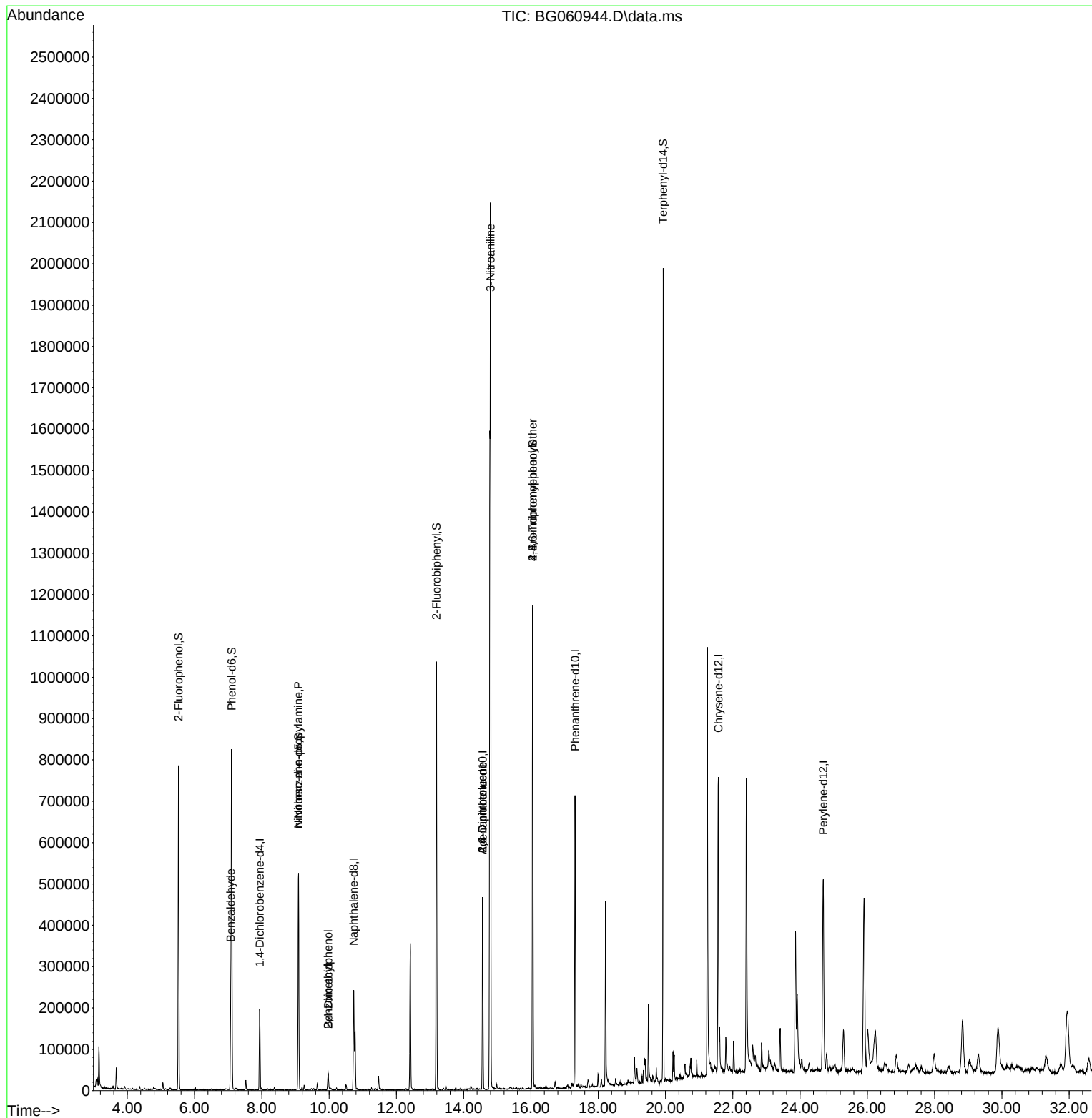
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.941  | 152  | 53595    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.732 | 136  | 198524   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.568 | 164  | 166359   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.312 | 188  | 445522   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 21.572 | 240  | 431092   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 24.692 | 264  | 500507   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.526  | 112  | 296956   | 96.241 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.107  | 99   | 415382   | 93.450 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.092  | 82   | 281397   | 64.349 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.055 | 330  | 246618   | 89.735 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.194 | 172  | 555738   | 49.022 | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.933 | 244  | 1001643  | 40.551 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 9) Benzaldehyde               | 7.077  | 77   | 62123    | 26.024 | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 9.092  | 70   | 37855    | 11.181 | ng    | # 69     |
| 27) 2,4-Dimethylphenol        | 9.974  | 122  | 14859    | 4.678  | ng    | # 1      |
| 32) Benzoic acid              | 9.974  | 122  | 14859    | 5.779  | ng    | 93       |
| 51) 2,6-Dinitrotoluene        | 14.563 | 165  | 21276    | 7.908  | ng    | # 19     |
| 53) 3-Nitroaniline            | 14.798 | 138  | 27264    | 9.231  | ng    | # 2      |
| 57) 2,4-Dinitrotoluene        | 14.563 | 165  | 21276    | 5.534  | ng    | # 21     |
| 67) 4-Bromophenyl-phenylether | 16.055 | 248  | 17263    | 3.459  | ng    | # 1      |
| -----                         |        |      |          |        |       |          |

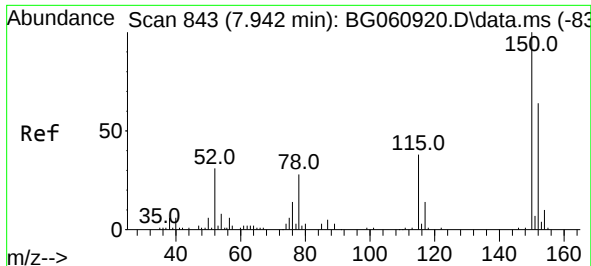
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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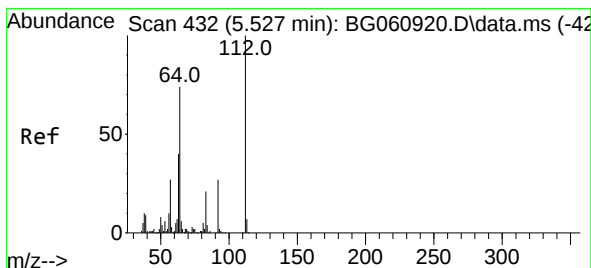
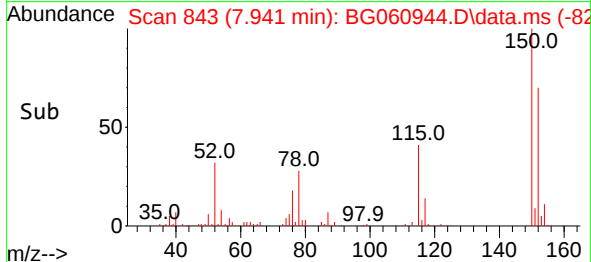
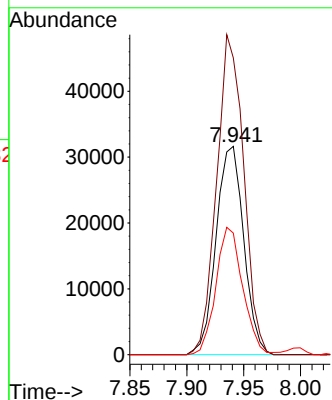
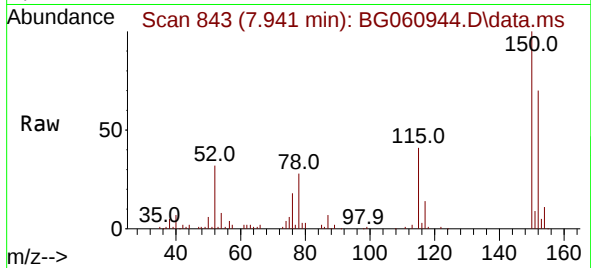




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.941 min Scan# 843  
Delta R.T. -0.001 min  
Lab File: BG060944.D  
Acq: 18 Apr 2024 20:38

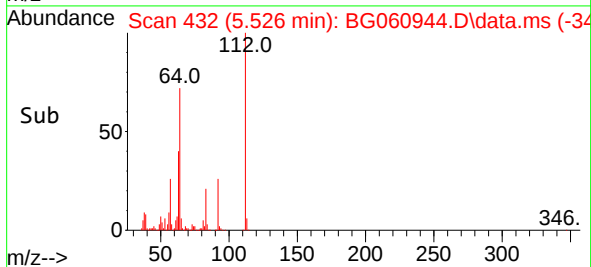
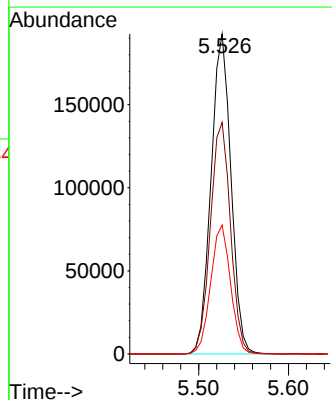
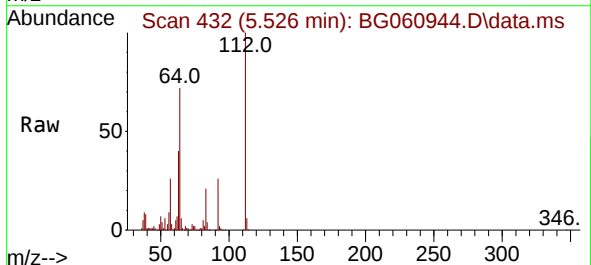
Instrument :  
BNA\_G  
ClientSampleId :  
RPI-SS-02

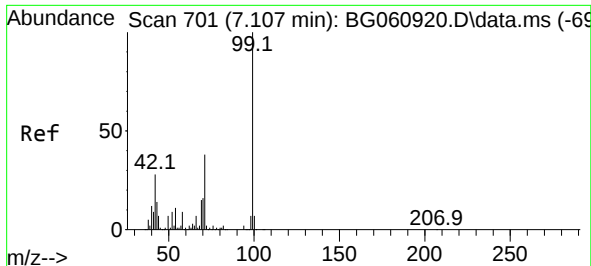
Tgt Ion:152 Resp: 53595  
Ion Ratio Lower Upper  
152 100  
150 142.5 125.6 188.4  
115 58.4 47.1 70.7



#5  
2-Fluorophenol  
Concen: 96.241 ng  
RT: 5.526 min Scan# 432  
Delta R.T. -0.001 min  
Lab File: BG060944.D  
Acq: 18 Apr 2024 20:38

Tgt Ion:112 Resp: 296956  
Ion Ratio Lower Upper  
112 100  
64 72.4 58.9 88.3  
63 40.3 32.1 48.1

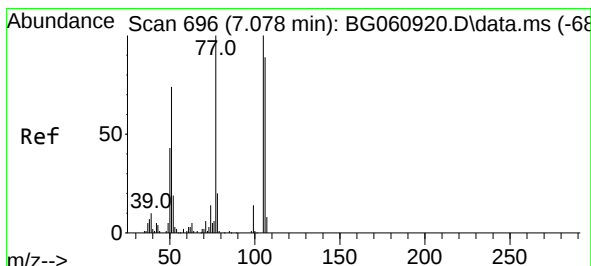
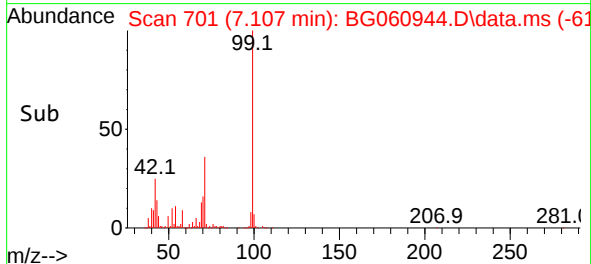
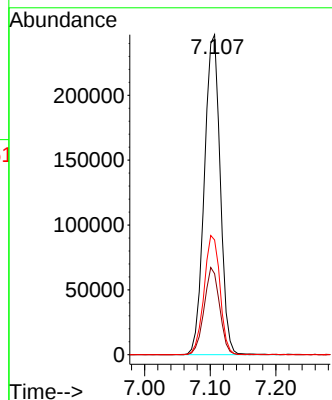
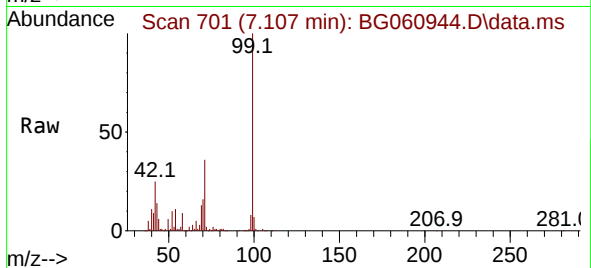




#7  
Phenol-d6  
Concen: 93.450 ng  
RT: 7.107 min Scan# 701  
Delta R.T. -0.001 min  
Lab File: BG060944.D  
Acq: 18 Apr 2024 20:38

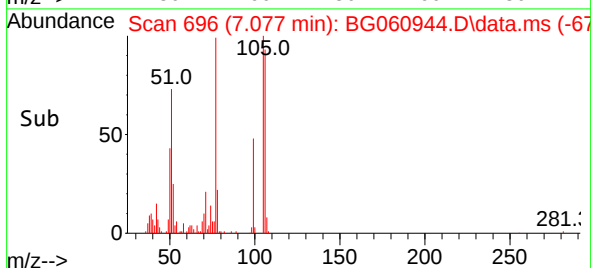
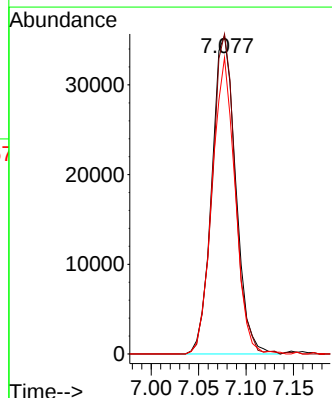
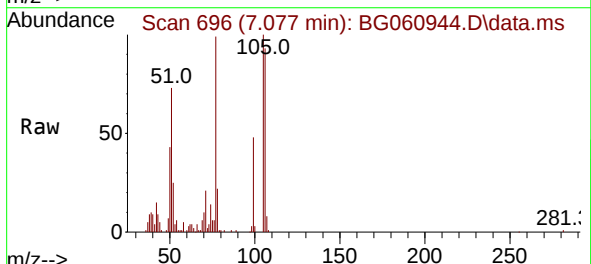
Instrument :  
BNA\_G  
ClientSampleId :  
RPI-SS-02

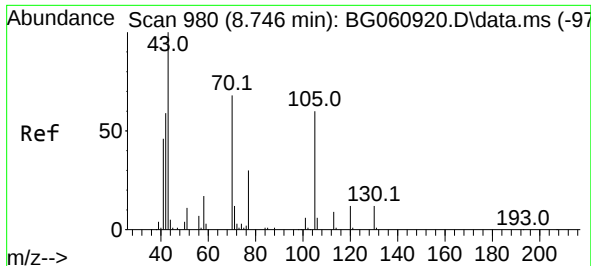
Tgt Ion: 99 Resp: 415382  
Ion Ratio Lower Upper  
99 100  
42 25.3 22.2 33.2  
71 35.9 30.5 45.7



#9  
Benzaldehyde  
Concen: 26.024 ng  
RT: 7.077 min Scan# 696  
Delta R.T. -0.001 min  
Lab File: BG060944.D  
Acq: 18 Apr 2024 20:38

Tgt Ion: 77 Resp: 62123  
Ion Ratio Lower Upper  
77 100  
105 100.6 79.9 119.9  
106 93.1 69.3 109.3

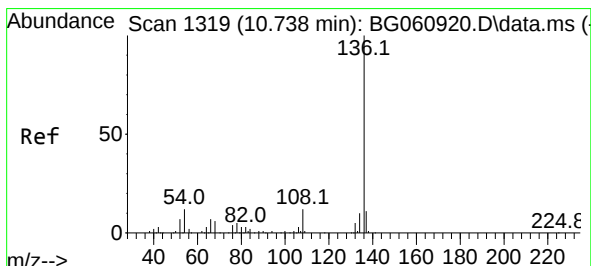
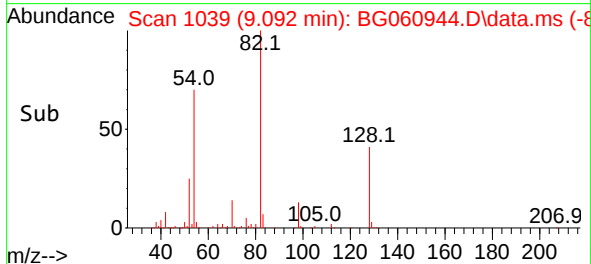
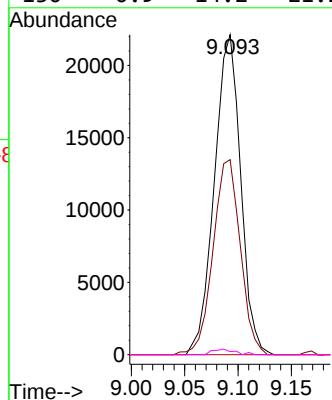
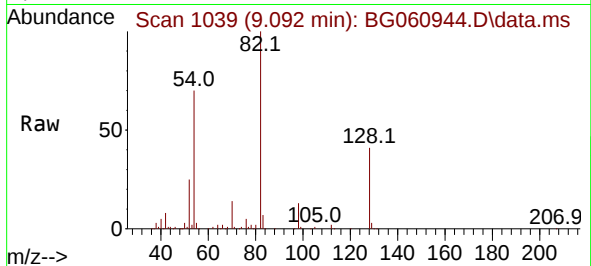




#19  
n-Nitroso-di-n-propylamine  
Concen: 11.181 ng  
RT: 9.092 min Scan# 1039  
Delta R.T. 0.346 min  
Lab File: BG060944.D  
Acq: 18 Apr 2024 20:38

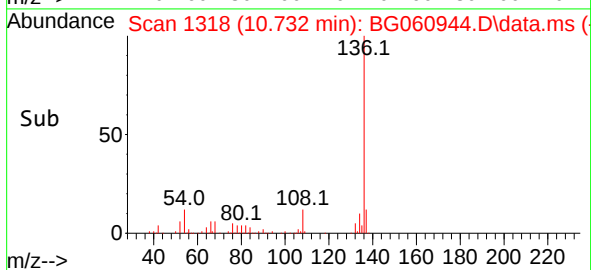
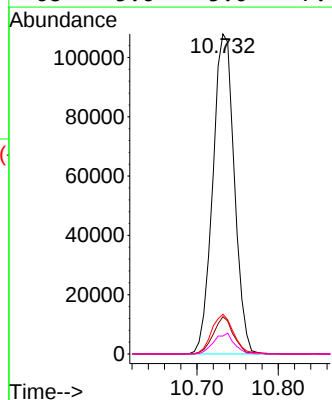
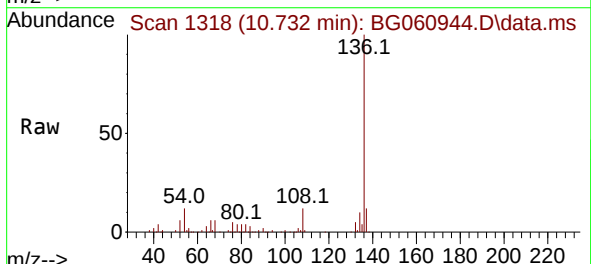
Instrument :  
BNA\_G  
ClientSampleId :  
RPI-SS-02

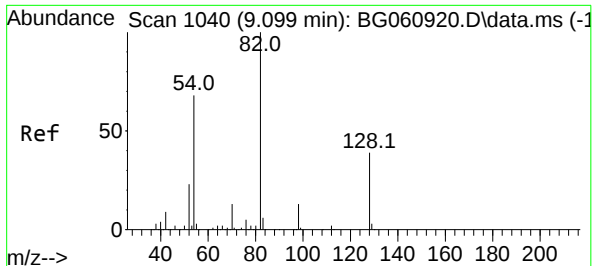
Tgt Ion: 70 Resp: 37855  
Ion Ratio Lower Upper  
70 100  
42 61.0 70.9 106.3#  
101 0.0 7.0 10.4#  
130 0.9 14.2 21.2#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.732 min Scan# 1318  
Delta R.T. -0.007 min  
Lab File: BG060944.D  
Acq: 18 Apr 2024 20:38

Tgt Ion: 136 Resp: 198524  
Ion Ratio Lower Upper  
136 100  
137 11.7 8.8 13.2  
54 12.4 9.8 14.8  
68 5.6 5.0 7.4

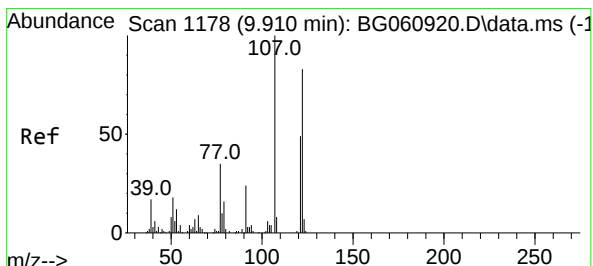
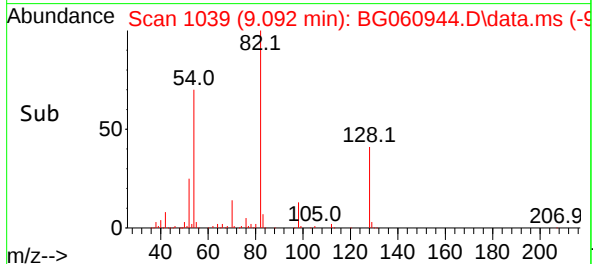
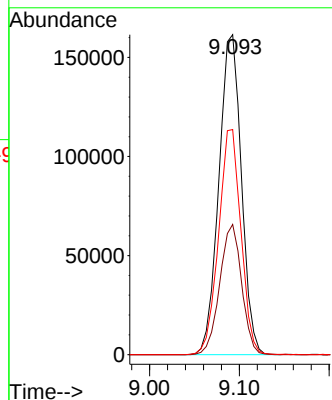
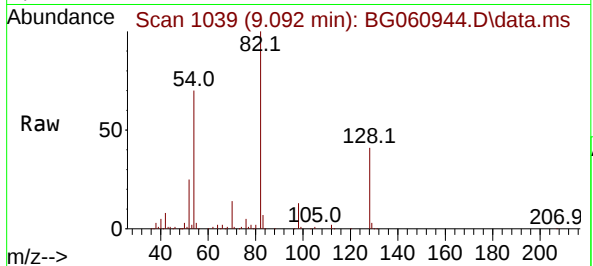




#23  
Nitrobenzene-d5  
Concen: 64.349 ng  
RT: 9.092 min Scan# 1040  
Delta R.T. -0.007 min  
Lab File: BG060944.D  
Acq: 18 Apr 2024 20:38

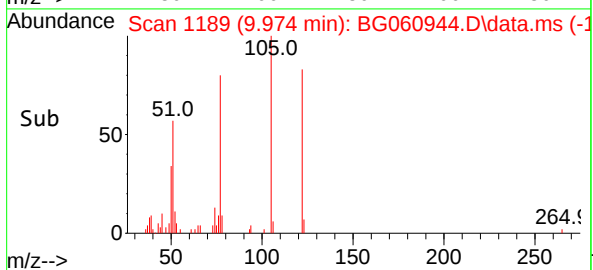
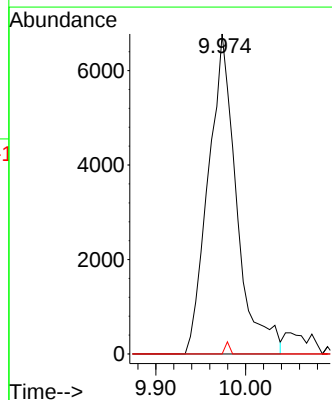
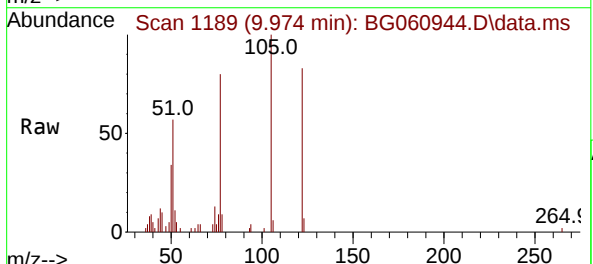
Instrument :  
BNA\_G  
ClientSampleId :  
RPI-SS-02

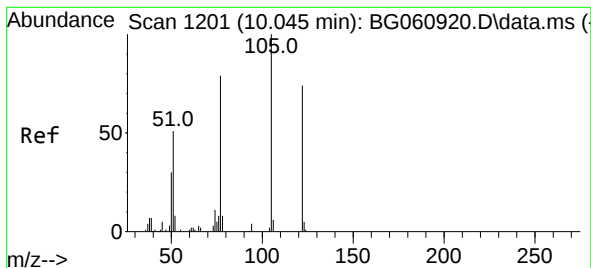
Tgt Ion: 82 Resp: 281397  
Ion Ratio Lower Upper  
82 100  
128 40.7 31.4 47.0  
54 70.4 54.2 81.4



#27  
2,4-Dimethylphenol  
Concen: 4.678 ng  
RT: 9.974 min Scan# 1189  
Delta R.T. 0.064 min  
Lab File: BG060944.D  
Acq: 18 Apr 2024 20:38

Tgt Ion:122 Resp: 14859  
Ion Ratio Lower Upper  
122 100  
107 0.0 96.6 144.8#  
121 0.0 47.0 70.4#





#32

Benzoic acid

Concen: 5.779 ng

RT: 9.974 min Scan# 1189

Delta R.T. -0.071 min

Lab File: BG060944.D

Acq: 18 Apr 2024 20:38

Instrument :

BNA\_G

ClientSampleId :

RPI-SS-02

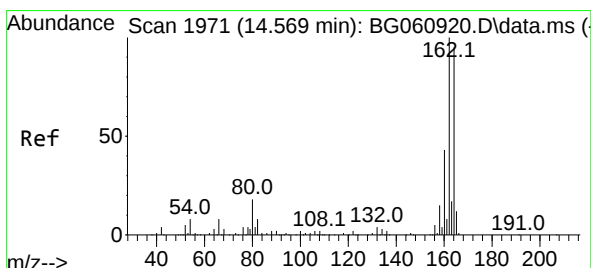
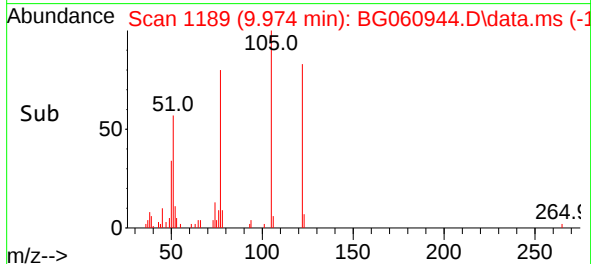
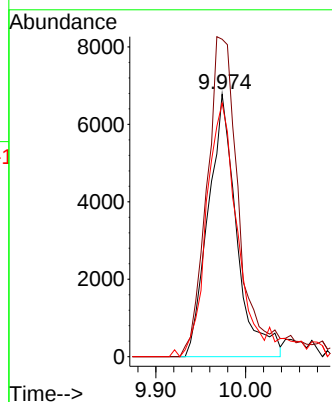
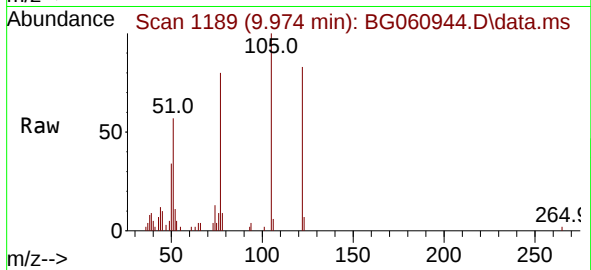
Tgt Ion:122 Resp: 14859

Ion Ratio Lower Upper

122 100

105 121.0 109.8 149.8

77 96.6 84.1 124.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.568 min Scan# 1971

Delta R.T. -0.001 min

Lab File: BG060944.D

Acq: 18 Apr 2024 20:38

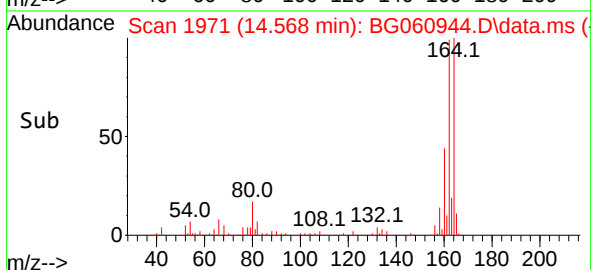
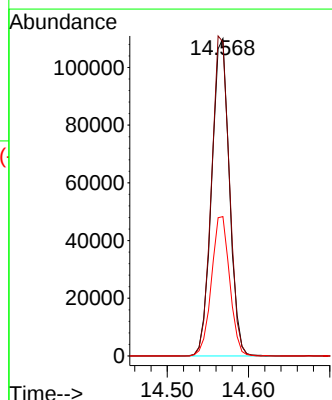
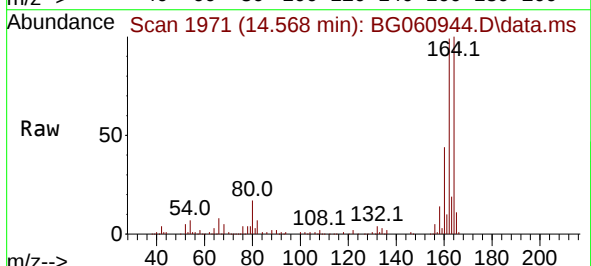
Tgt Ion:164 Resp: 166359

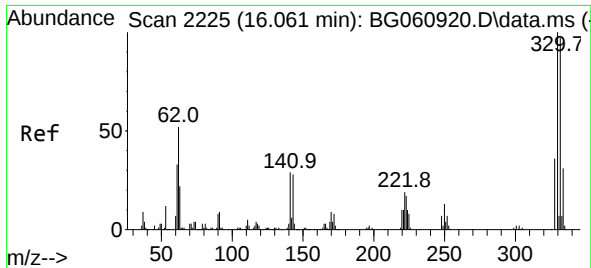
Ion Ratio Lower Upper

164 100

162 99.0 84.1 126.1

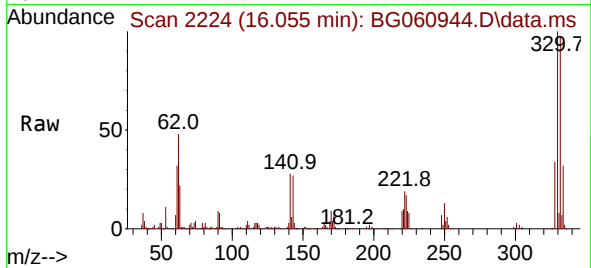
160 43.9 35.9 53.9



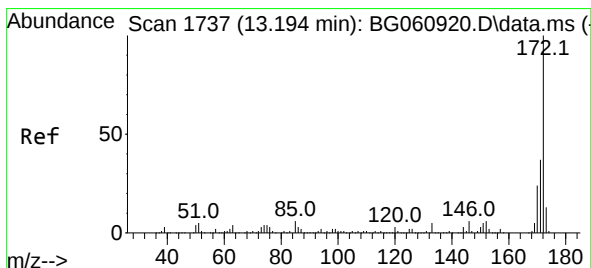
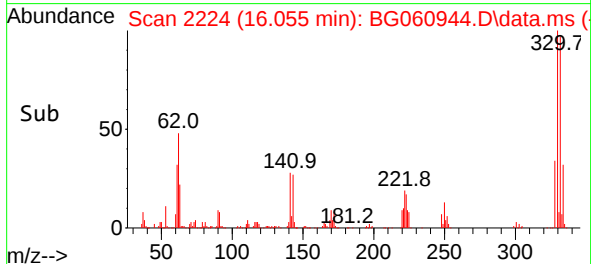
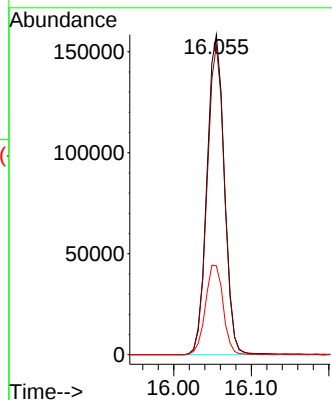


#42  
2,4,6-Tribromophenol  
Concen: 89.735 ng  
RT: 16.055 min Scan# 21  
Delta R.T. -0.007 min  
Lab File: BG060944.D  
Acq: 18 Apr 2024 20:38

Instrument :  
BNA\_G  
ClientSampleId :  
RPI-SS-02

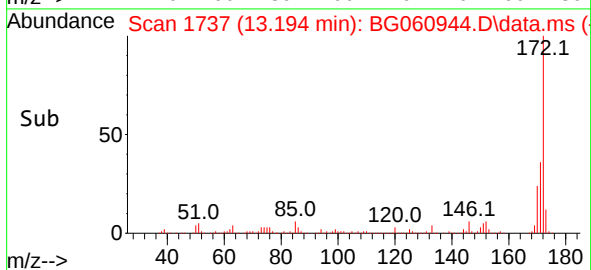
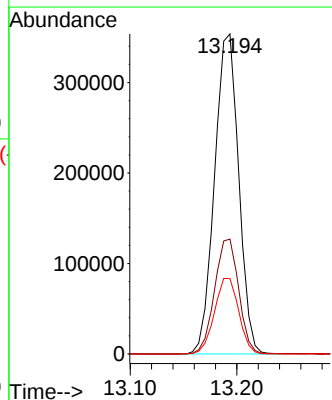
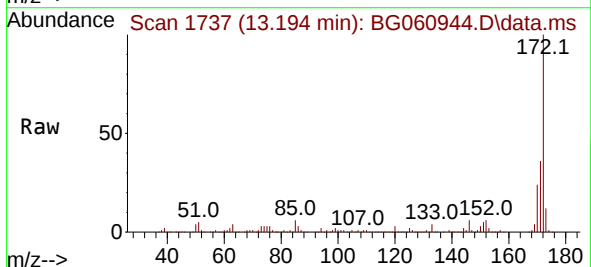


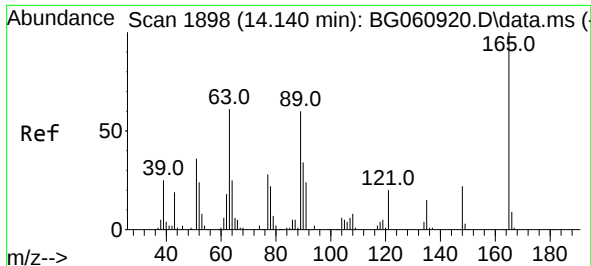
Tgt Ion:330 Resp: 246618  
Ion Ratio Lower Upper  
330 100  
332 96.1 76.9 115.3  
141 28.6 23.7 35.5



#45  
2-Fluorobiphenyl  
Concen: 49.022 ng  
RT: 13.194 min Scan# 1737  
Delta R.T. -0.001 min  
Lab File: BG060944.D  
Acq: 18 Apr 2024 20:38

Tgt Ion:172 Resp: 555738  
Ion Ratio Lower Upper  
172 100  
171 35.9 29.3 43.9  
170 23.6 19.5 29.3

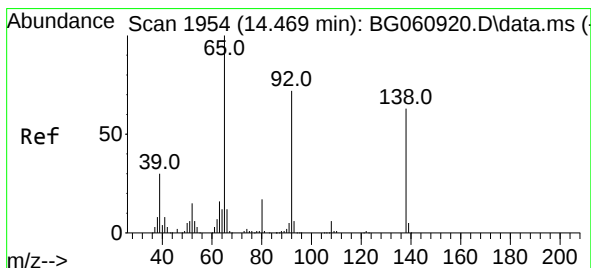
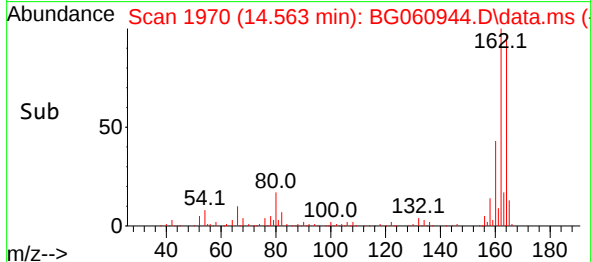
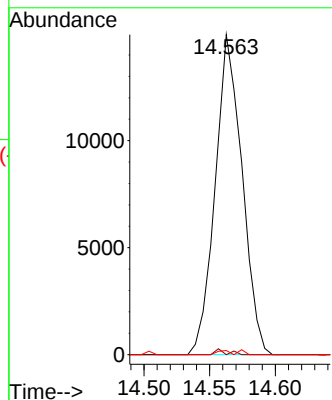
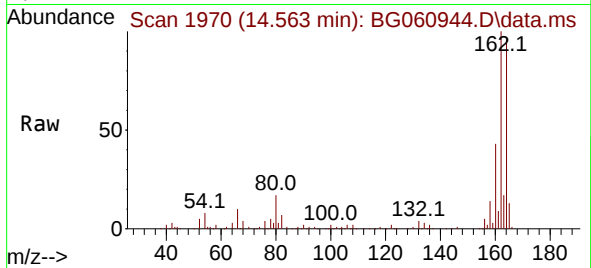




#51  
2,6-Dinitrotoluene  
Concen: 7.908 ng  
RT: 14.563 min Scan# 19  
Delta R.T. 0.422 min  
Lab File: BG060944.D  
Acq: 18 Apr 2024 20:38

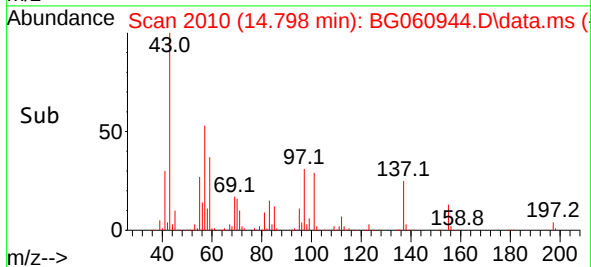
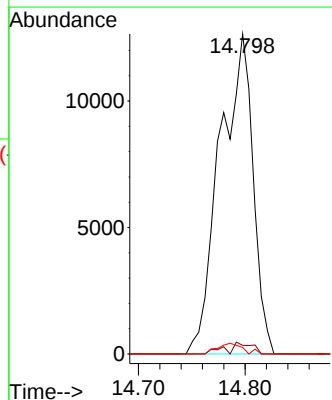
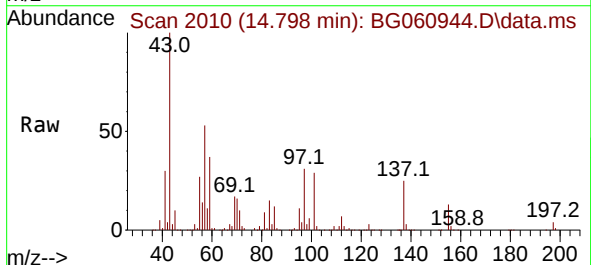
Instrument :  
BNA\_G  
ClientSampleId :  
RPI-SS-02

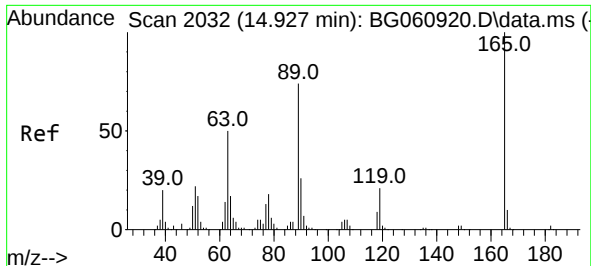
Tgt Ion:165 Resp: 21276  
Ion Ratio Lower Upper  
165 100  
63 0.0 53.8 80.8#  
89 1.3 48.2 72.4#



#53  
3-Nitroaniline  
Concen: 9.231 ng  
RT: 14.798 min Scan# 2010  
Delta R.T. 0.328 min  
Lab File: BG060944.D  
Acq: 18 Apr 2024 20:38

Tgt Ion:138 Resp: 27264  
Ion Ratio Lower Upper  
138 100  
108 2.7 7.5 11.3#  
92 2.1 92.5 138.7#





#57

2,4-Dinitrotoluene

Concen: 5.534 ng

RT: 14.563 min Scan# 1970

Delta R.T. -0.365 min

Lab File: BG060944.D

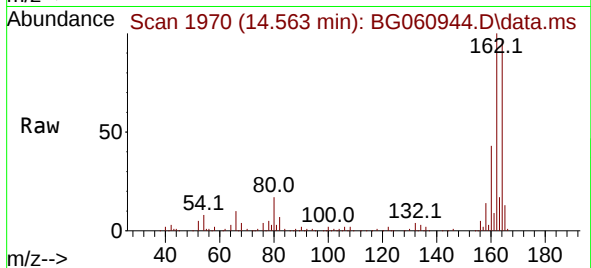
Acq: 18 Apr 2024 20:38

Instrument :

BNA\_G

ClientSampleId :

RPI-SS-02



Tgt Ion:165 Resp: 21276

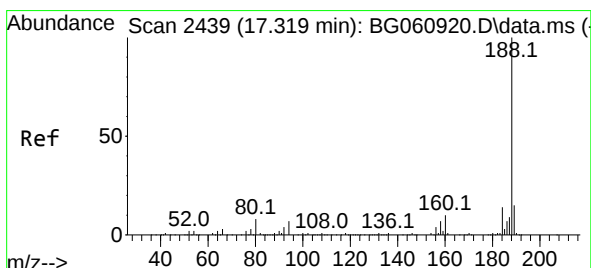
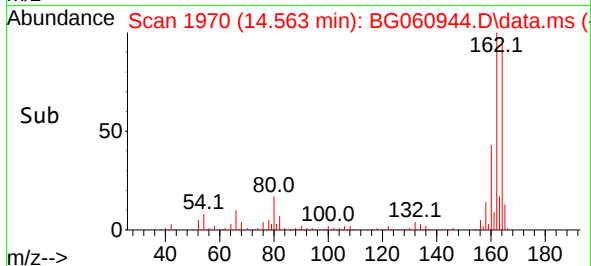
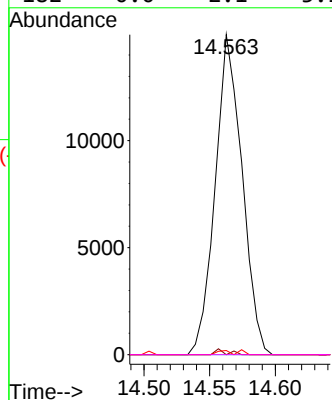
Ion Ratio Lower Upper

165 100

63 0.0 40.2 60.2#

89 1.3 59.0 88.4#

182 0.0 2.1 3.1#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.312 min Scan# 2438

Delta R.T. -0.007 min

Lab File: BG060944.D

Acq: 18 Apr 2024 20:38

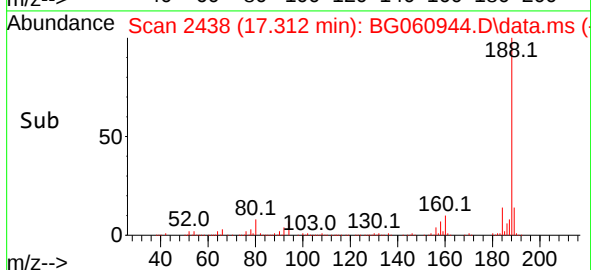
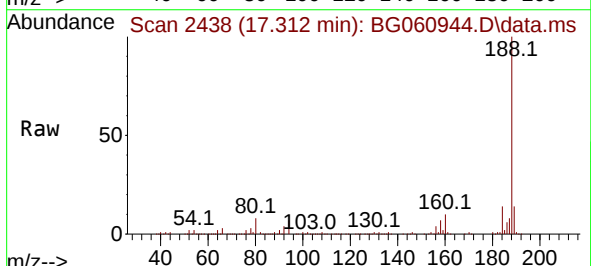
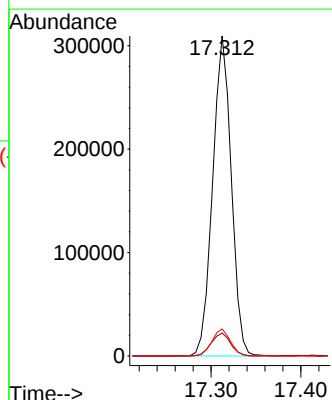
Tgt Ion:188 Resp: 445522

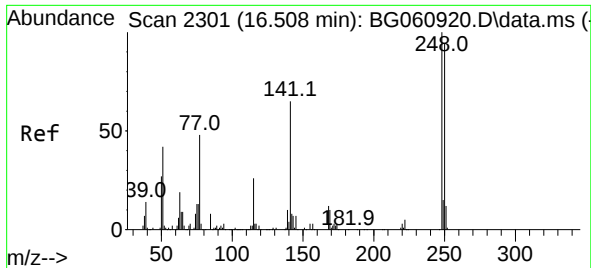
Ion Ratio Lower Upper

188 100

94 7.2 5.7 8.5

80 8.5 6.6 9.8

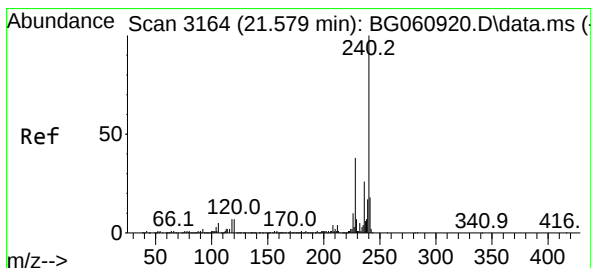
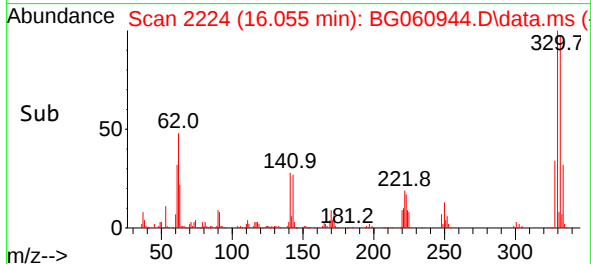
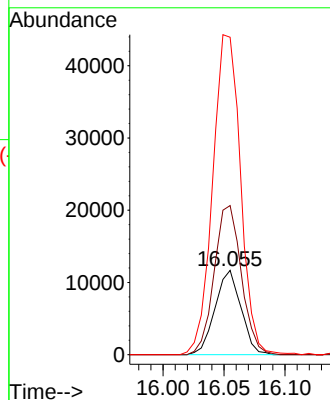
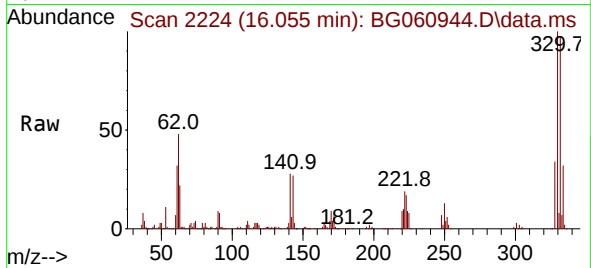




#67  
4-Bromophenyl-phenylether  
Concen: 3.459 ng  
RT: 16.055 min Scan# 21  
Delta R.T. -0.453 min  
Lab File: BG060944.D  
Acq: 18 Apr 2024 20:38

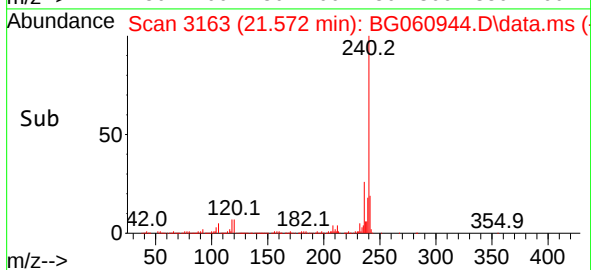
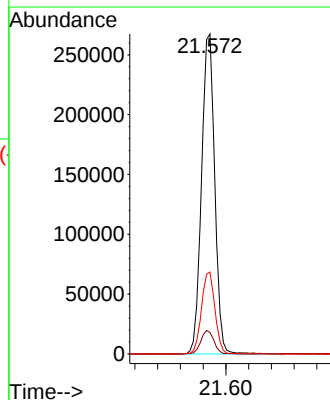
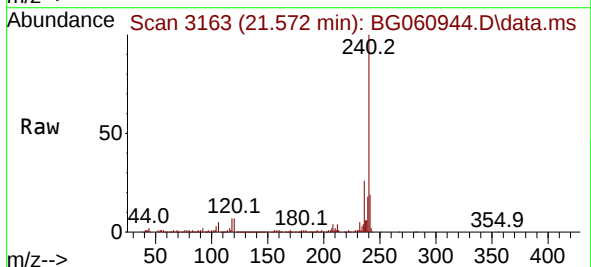
Instrument :  
BNA\_G  
ClientSampleId :  
RPI-SS-02

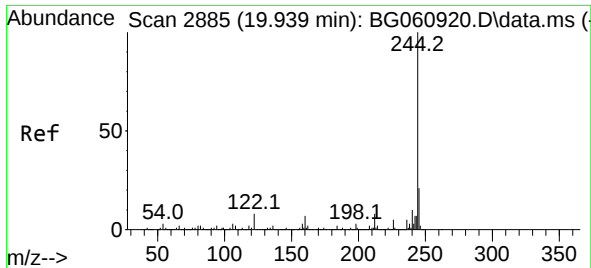
Tgt Ion:248 Resp: 17263  
Ion Ratio Lower Upper  
248 100  
250 176.9 75.4 113.2#  
141 376.6 52.2 78.2#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.572 min Scan# 3163  
Delta R.T. -0.007 min  
Lab File: BG060944.D  
Acq: 18 Apr 2024 20:38

Tgt Ion:240 Resp: 431092  
Ion Ratio Lower Upper  
240 100  
120 6.7 5.7 8.5  
236 25.6 21.1 31.7

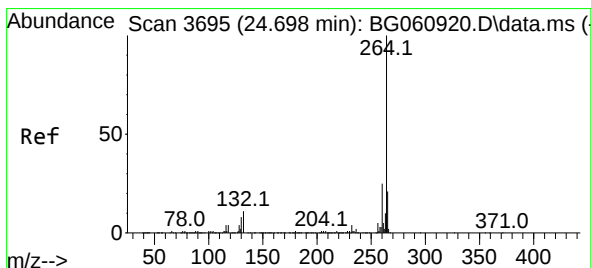
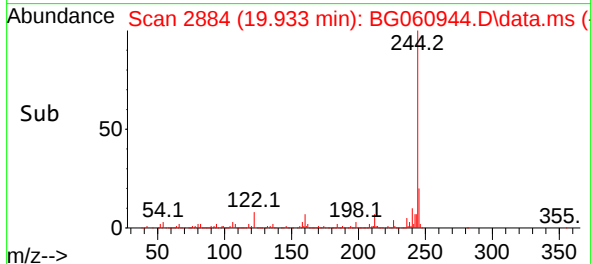
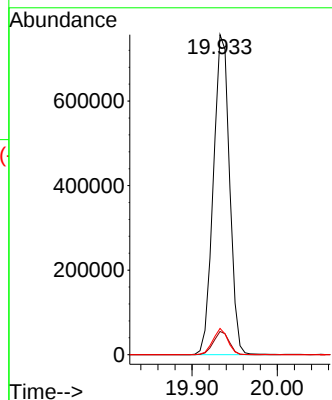
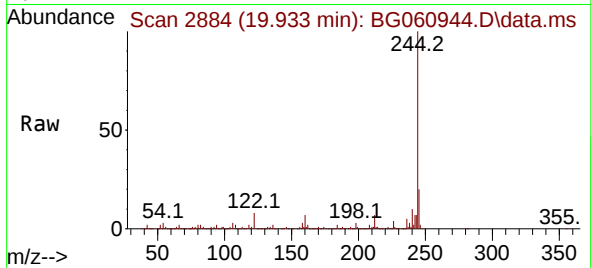




#79  
 Terphenyl-d14  
 Concen: 40.551 ng  
 RT: 19.933 min Scan# 21  
 Delta R.T. -0.007 min  
 Lab File: BG060944.D  
 Acq: 18 Apr 2024 20:38

Instrument :  
 BNA\_G  
 ClientSampleId :  
 RPI-SS-02

Tgt Ion:244 Resp: 1001643  
 Ion Ratio Lower Upper  
 244 100  
 212 7.3 6.2 9.4  
 122 8.2 6.6 9.8



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.692 min Scan# 3694  
 Delta R.T. -0.007 min  
 Lab File: BG060944.D  
 Acq: 18 Apr 2024 20:38

Tgt Ion:264 Resp: 500507  
 Ion Ratio Lower Upper  
 264 100  
 260 23.9 19.6 29.4  
 265 21.4 16.6 25.0

