

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG050222\  
 Data File : BG053407.D  
 Acq On : 2 May 2022 20:13  
 Operator : CG/JU  
 Sample : N2619-23  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SS11-13-FT

Quant Time: May 03 06:43:50 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG040822.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sun Apr 24 01:13:30 2022  
 Response via : Initial Calibration

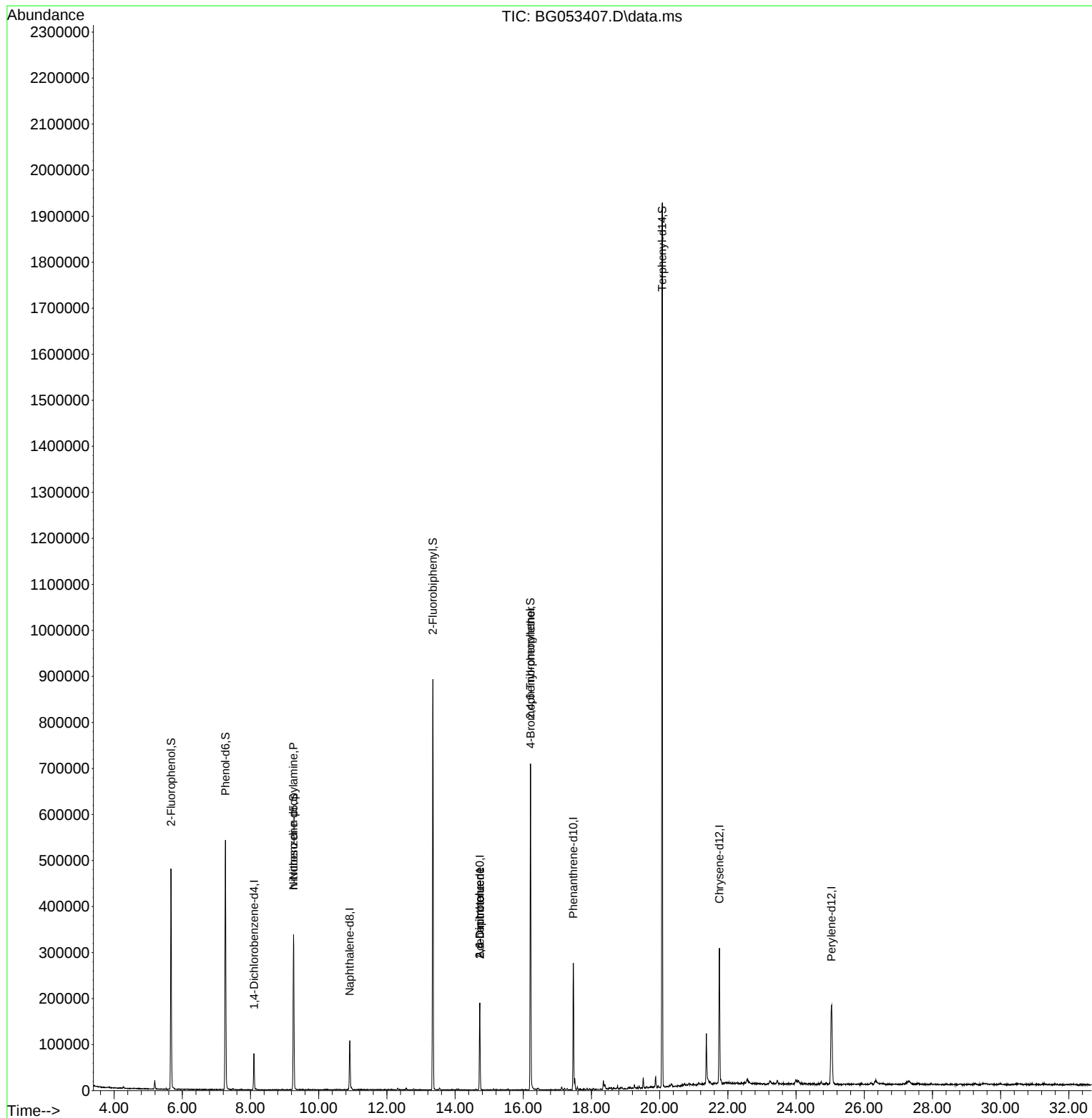
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.104  | 152  | 22814    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.912 | 136  | 89153    | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.724 | 164  | 68133    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.468 | 188  | 181362   | 20.000  | ng    | -0.02    |
| 76) Chrysene-d12              | 21.750 | 240  | 193213   | 20.000  | ng    | -0.02    |
| 86) Perylene-d12              | 25.040 | 264  | 201434   | 20.000  | ng    | -0.02    |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.672  | 112  | 202637   | 152.256 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.264  | 99   | 306952   | 149.559 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.261  | 82   | 214718   | 97.790  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol      | 16.210 | 330  | 146951   | 135.568 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl          | 13.350 | 172  | 464573   | 94.022  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.076 | 244  | 1007970  | 88.108  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
| 19) n-Nitroso-di-n-propyla... | 9.261  | 70   | 30439    | 20.258  | ng    | # 78     |
| 51) 2,6-Dinitrotoluene        | 14.724 | 165  | 9032     | 7.945   | ng    | # 24     |
| 57) 2,4-Dinitrotoluene        | 14.724 | 165  | 9032     | 5.580   | ng    | # 22     |
| 67) 4-Bromophenyl-phenylether | 16.216 | 248  | 9821     | 4.226   | ng    | # 1      |
| -----                         |        |      |          |         |       |          |

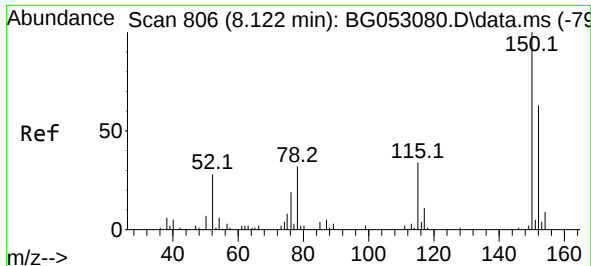
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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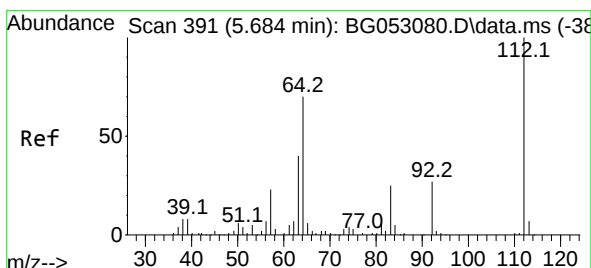
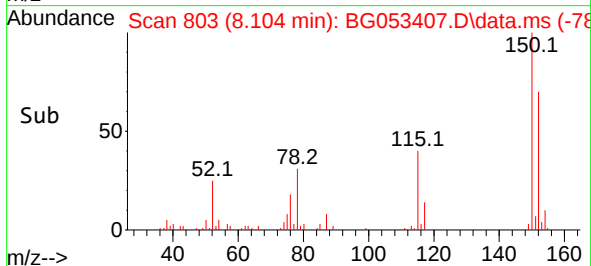
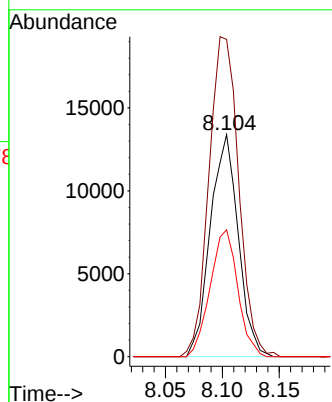
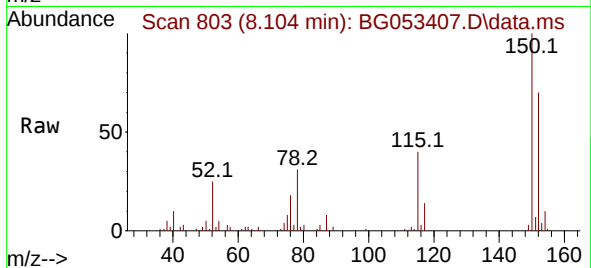




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.104 min Scan# 806  
Delta R.T. -0.009 min  
Lab File: BG053407.D  
Acq: 2 May 2022 20:13

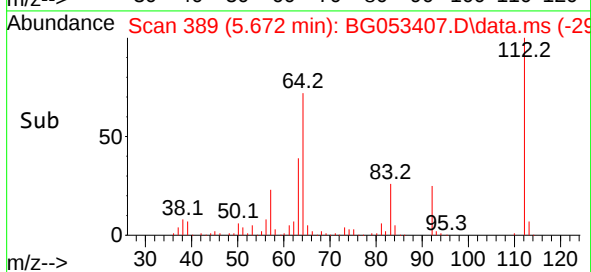
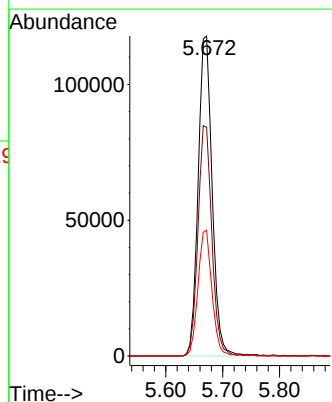
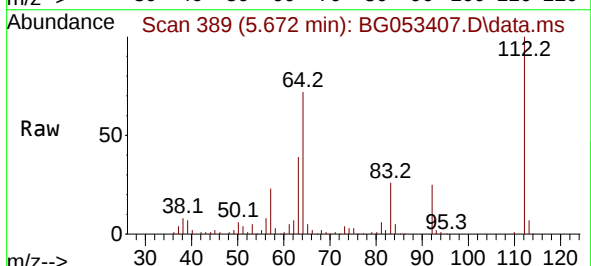
Instrument :  
BNA\_G  
ClientSampleId :  
SS11-13-FT

Tgt Ion:152 Resp: 22814  
Ion Ratio Lower Upper  
152 100  
150 142.9 114.6 172.0  
115 57.1 45.9 68.9



#5  
2-Fluorophenol  
Concen: 152.256 ng  
RT: 5.672 min Scan# 389  
Delta R.T. -0.004 min  
Lab File: BG053407.D  
Acq: 2 May 2022 20:13

Tgt Ion:112 Resp: 202637  
Ion Ratio Lower Upper  
112 100  
64 71.5 48.0 72.0  
63 39.3 26.5 39.7

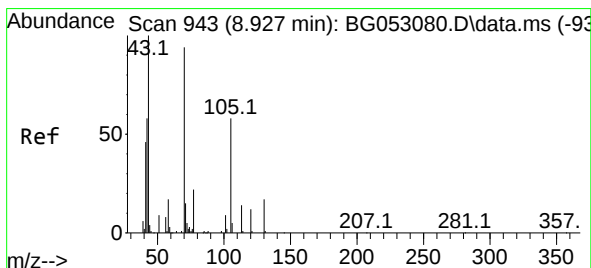
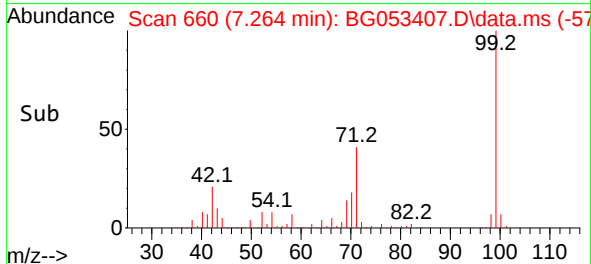
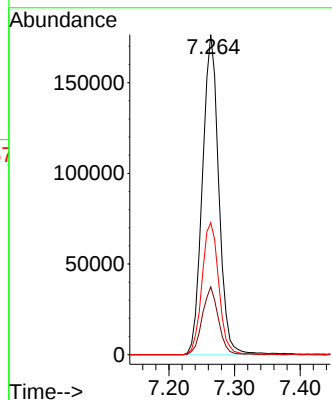
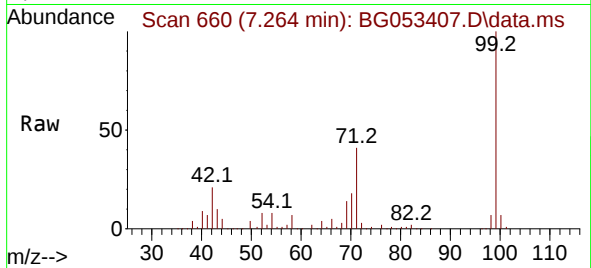




#7  
Phenol-d6  
Concen: 149.559 ng  
RT: 7.264 min Scan# 60  
Delta R.T. -0.010 min  
Lab File: BG053407.D  
Acq: 2 May 2022 20:13

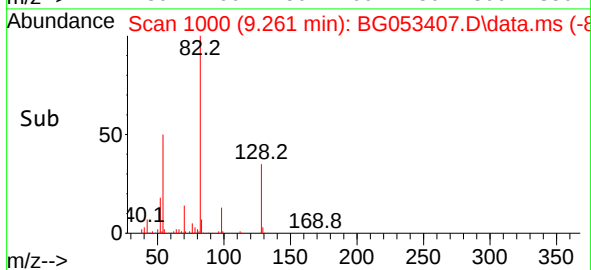
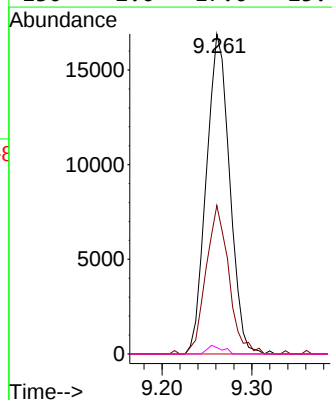
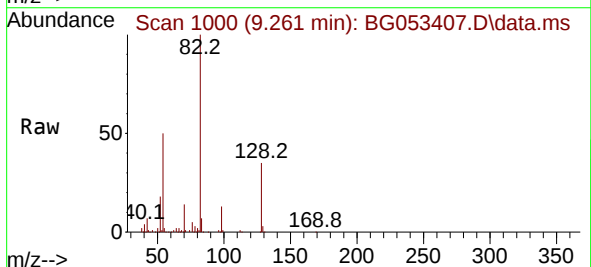
Instrument :  
BNA\_G  
ClientSampleId :  
SS11-13-FT

Tgt Ion: 99 Resp: 306952  
Ion Ratio Lower Upper  
99 100  
42 21.2 14.7 22.1  
71 41.3 29.2 43.8



#19  
n-Nitroso-di-n-propylamine  
Concen: 20.258 ng  
RT: 9.261 min Scan# 1000  
Delta R.T. 0.349 min  
Lab File: BG053407.D  
Acq: 2 May 2022 20:13

Tgt Ion: 70 Resp: 30439  
Ion Ratio Lower Upper  
70 100  
42 46.4 46.0 69.0  
101 0.0 6.2 9.4#  
130 2.0 17.0 25.4#

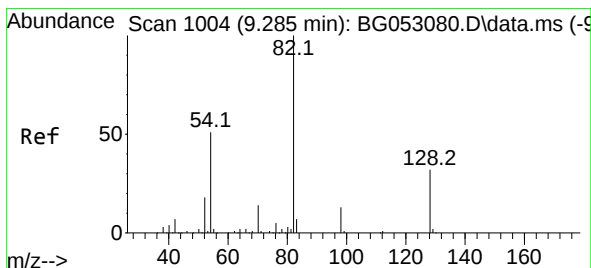
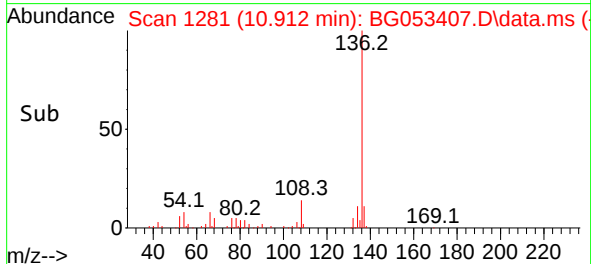
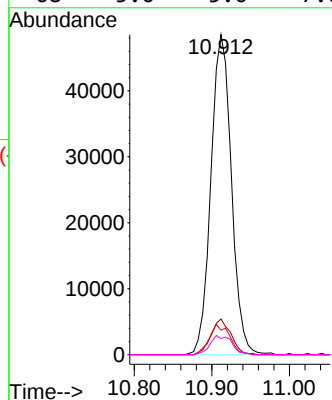
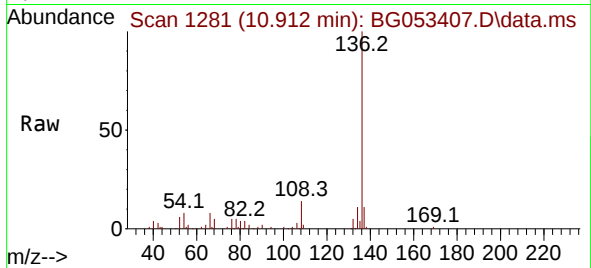




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.912 min Scan# 11  
Delta R.T. -0.010 min  
Lab File: BG053407.D  
Acq: 2 May 2022 20:13

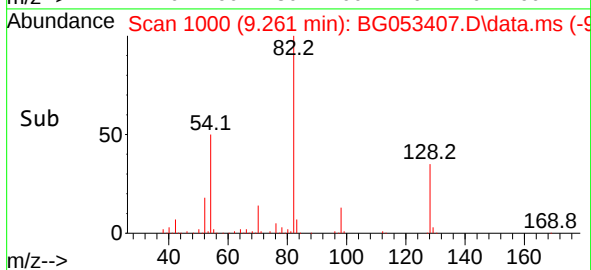
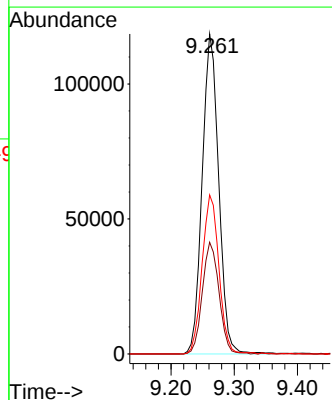
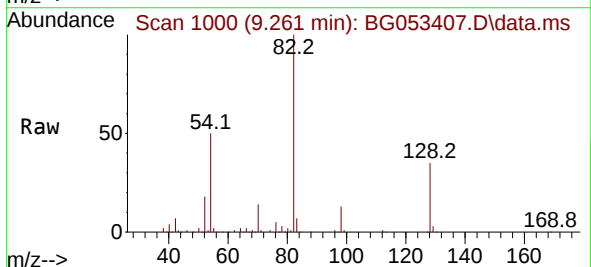
Instrument :  
BNA\_G  
ClientSampleId :  
SS11-13-FT

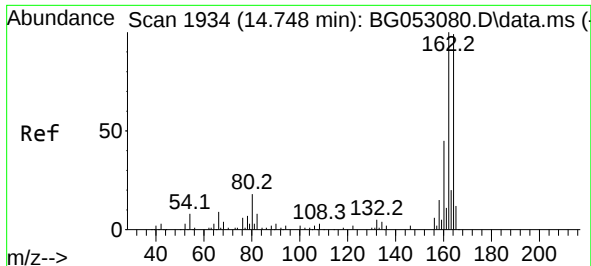
Tgt Ion:136 Resp: 89153  
Ion Ratio Lower Upper  
136 100  
137 11.2 9.4 14.2  
54 7.7 6.4 9.6  
68 5.0 5.0 7.6#



#23  
Nitrobenzene-d5  
Concen: 97.790 ng  
RT: 9.261 min Scan# 1000  
Delta R.T. -0.016 min  
Lab File: BG053407.D  
Acq: 2 May 2022 20:13

Tgt Ion: 82 Resp: 214718  
Ion Ratio Lower Upper  
82 100  
128 34.9 31.3 46.9  
54 49.7 37.8 56.8

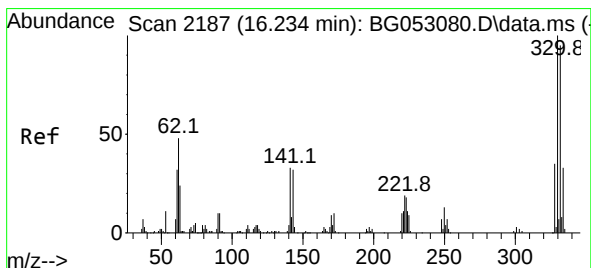
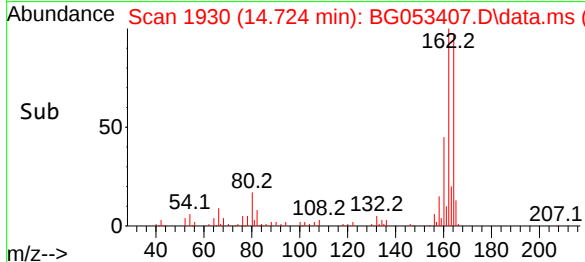
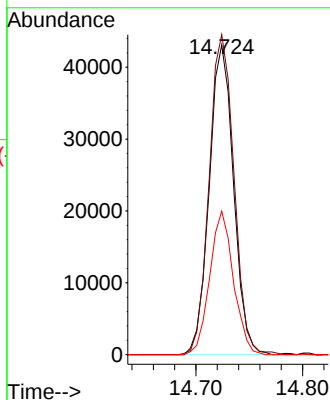
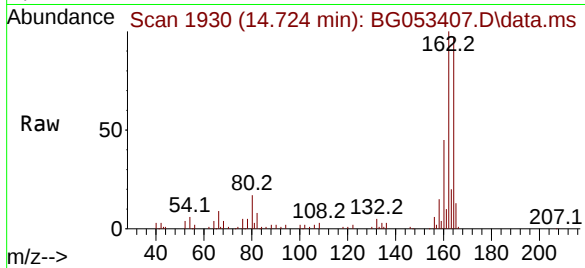




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.724 min Scan# 1934  
Delta R.T. -0.010 min  
Lab File: BG053407.D  
Acq: 2 May 2022 20:13

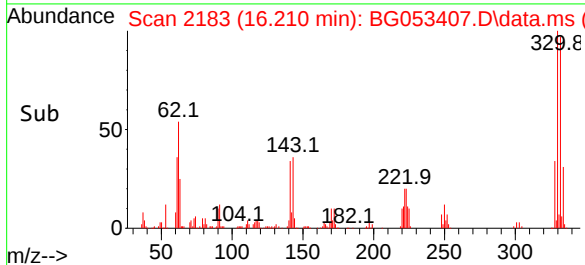
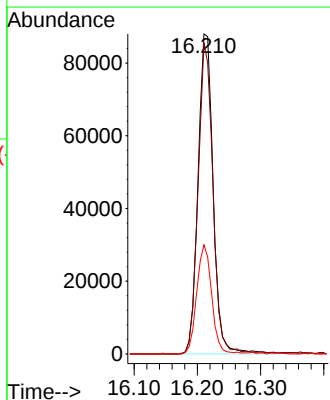
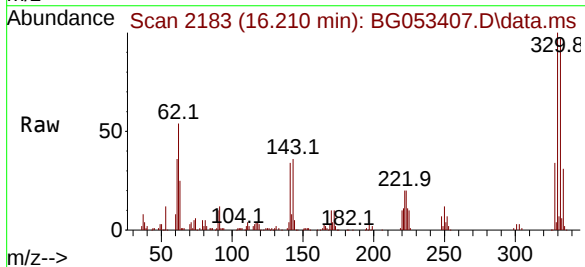
Instrument :  
BNA\_G  
ClientSampleId :  
SS11-13-FT

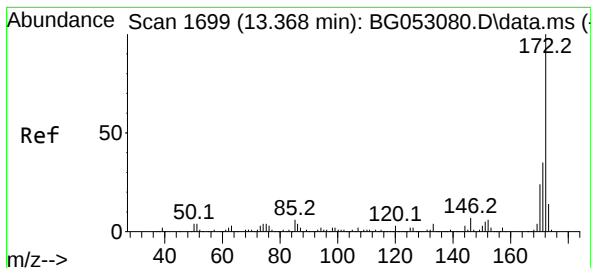
Tgt Ion:164 Resp: 68133  
Ion Ratio Lower Upper  
164 100  
162 103.3 80.0 120.0  
160 46.3 38.8 58.2



#42  
2,4,6-Tribromophenol  
Concen: 135.568 ng  
RT: 16.210 min Scan# 2183  
Delta R.T. -0.016 min  
Lab File: BG053407.D  
Acq: 2 May 2022 20:13

Tgt Ion:330 Resp: 146951  
Ion Ratio Lower Upper  
330 100  
332 94.7 75.8 113.6  
141 33.7 24.6 36.8

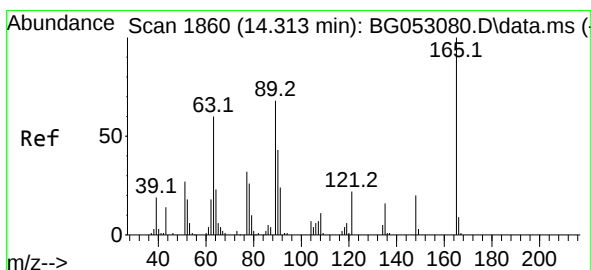
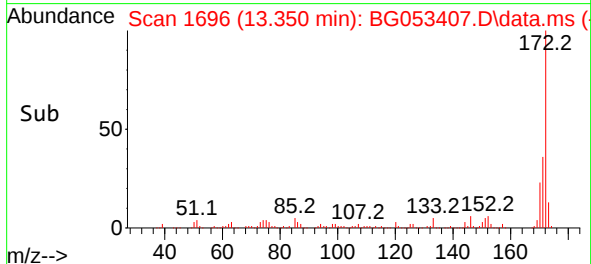
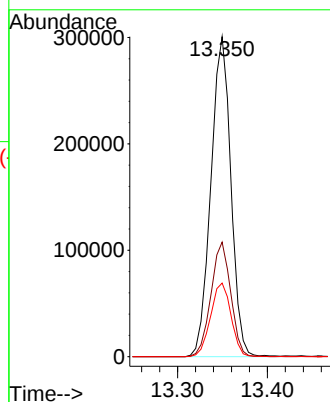
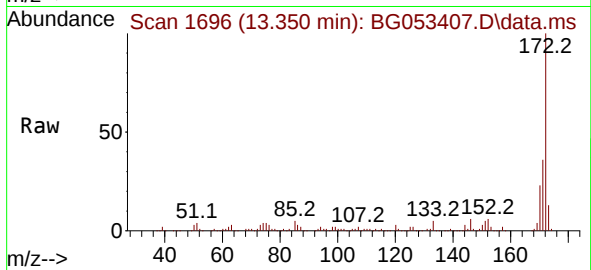




#45  
2-Fluorobiphenyl  
Concen: 94.022 ng  
RT: 13.350 min Scan# 1  
Delta R.T. -0.010 min  
Lab File: BG053407.D  
Acq: 2 May 2022 20:13

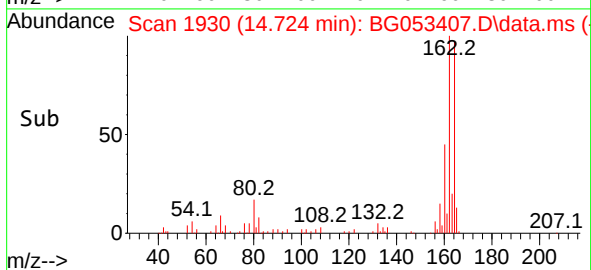
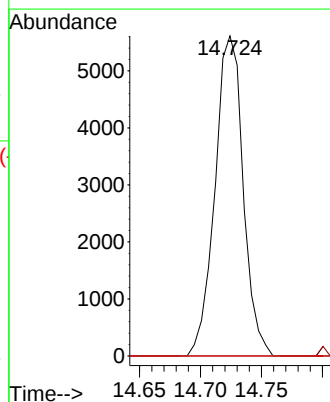
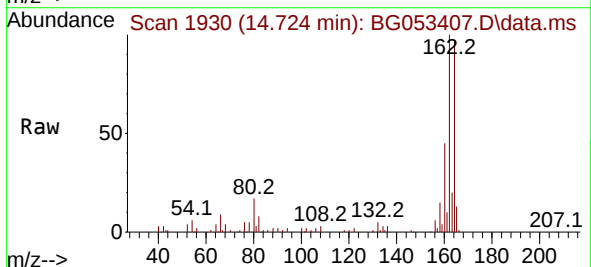
Instrument :  
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SS11-13-FT

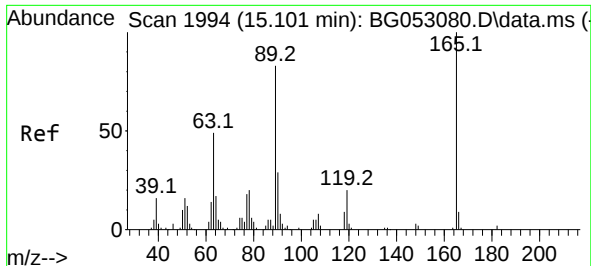
Tgt Ion:172 Resp: 464573  
Ion Ratio Lower Upper  
172 100  
171 35.8 28.3 42.5  
170 23.0 18.0 27.0



#51  
2,6-Dinitrotoluene  
Concen: 7.945 ng  
RT: 14.724 min Scan# 1930  
Delta R.T. 0.419 min  
Lab File: BG053407.D  
Acq: 2 May 2022 20:13

Tgt Ion:165 Resp: 9032  
Ion Ratio Lower Upper  
165 100  
63 0.0 43.7 65.5#  
89 0.0 45.0 67.4#





#57

2,4-Dinitrotoluene

Concen: 5.580 ng

RT: 14.724 min Scan# 1994

Delta R.T. -0.368 min

Lab File: BG053407.D

Acq: 2 May 2022 20:13

Instrument :

BNA\_G

ClientSampleId :

SS11-13-FT

Tgt Ion:165 Resp: 9032

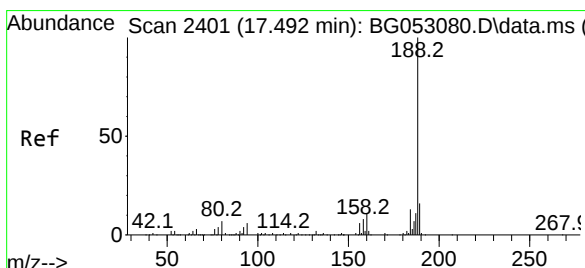
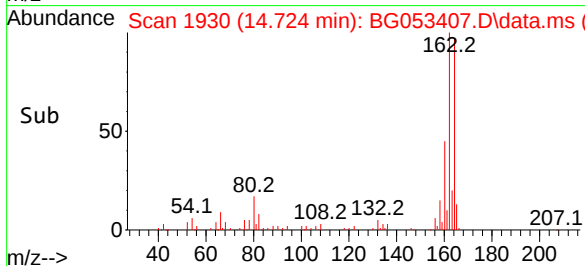
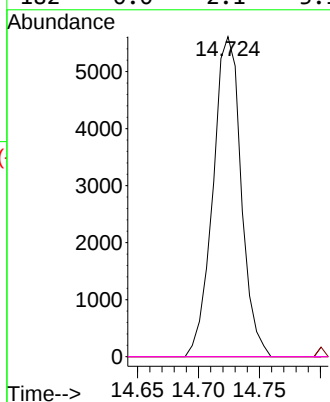
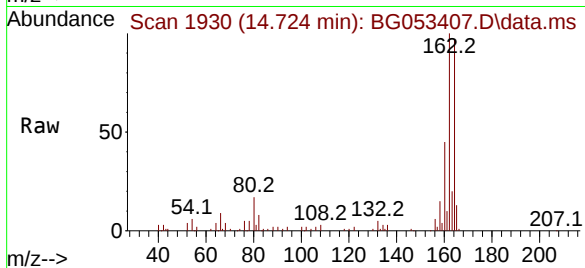
Ion Ratio Lower Upper

165 100

63 0.0 34.8 52.2#

89 0.0 57.4 86.0#

182 0.0 2.1 3.1#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.468 min Scan# 2397

Delta R.T. -0.016 min

Lab File: BG053407.D

Acq: 2 May 2022 20:13

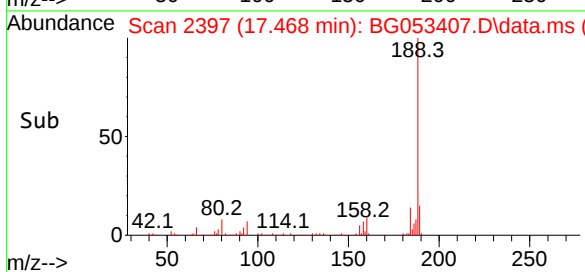
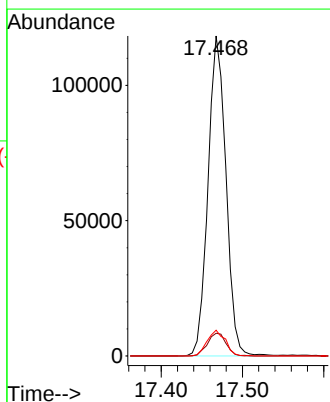
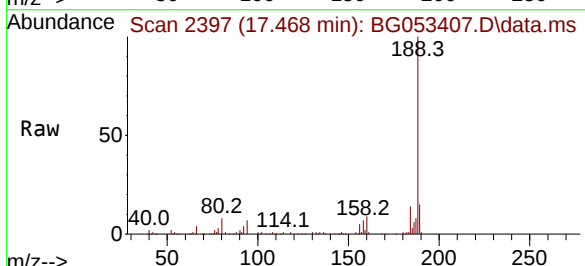
Tgt Ion:188 Resp: 181362

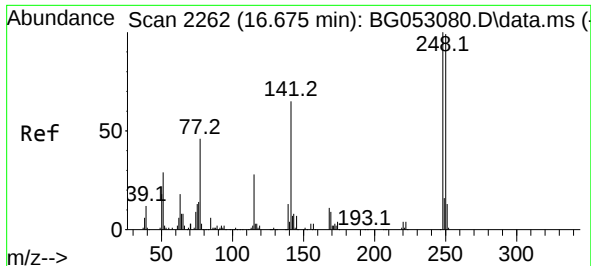
Ion Ratio Lower Upper

188 100

94 7.1 5.7 8.5

80 8.1 7.2 10.8

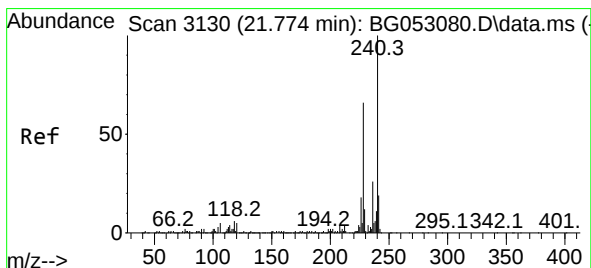
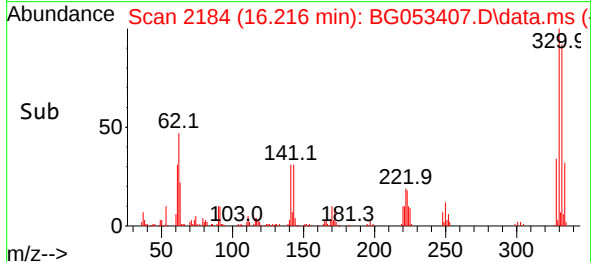
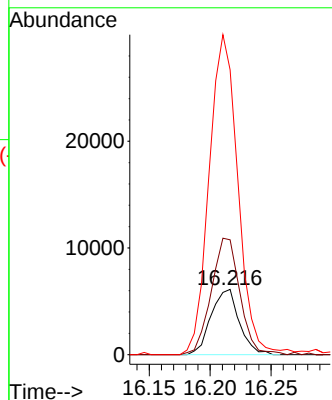
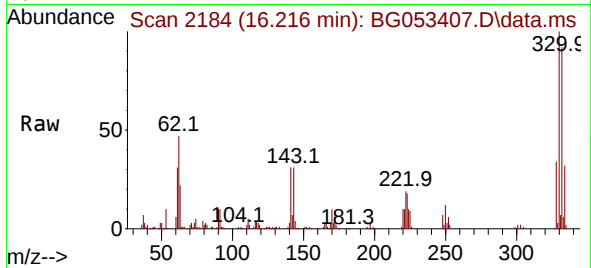




#67  
4-Bromophenyl-phenylether  
Concen: 4.226 ng  
RT: 16.216 min Scan# 2184  
Delta R.T. -0.444 min  
Lab File: BG053407.D  
Acq: 2 May 2022 20:13

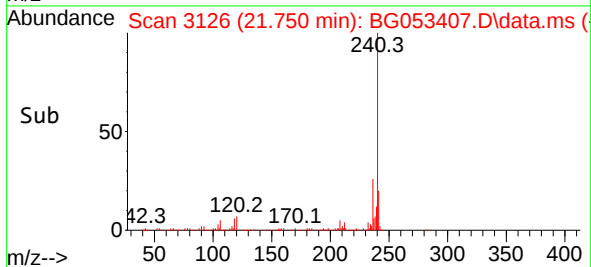
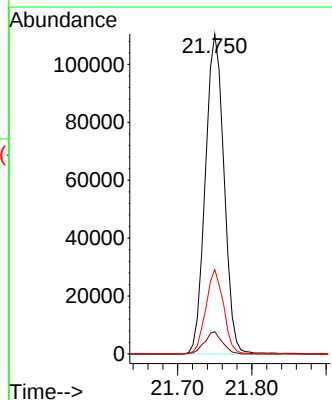
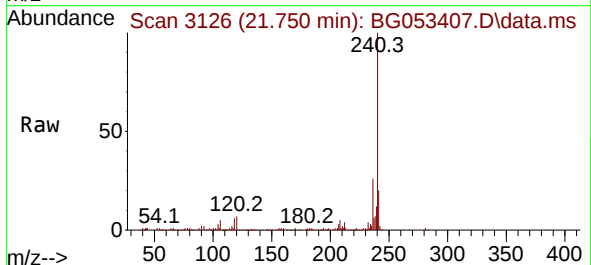
Instrument :  
BNA\_G  
ClientSampleId :  
SS11-13-FT

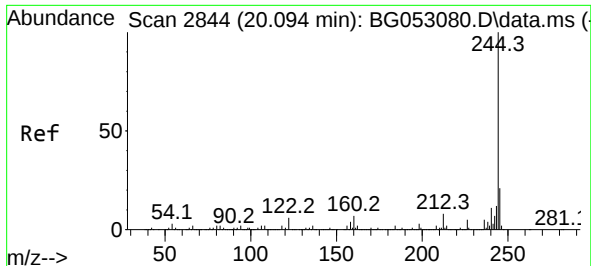
Tgt Ion:248 Resp: 9821  
Ion Ratio Lower Upper  
248 100  
250 176.0 77.9 116.9#  
141 436.5 49.2 73.8#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.750 min Scan# 3126  
Delta R.T. -0.016 min  
Lab File: BG053407.D  
Acq: 2 May 2022 20:13

Tgt Ion:240 Resp: 193213  
Ion Ratio Lower Upper  
240 100  
120 6.9 5.4 8.0  
236 26.4 19.8 29.6

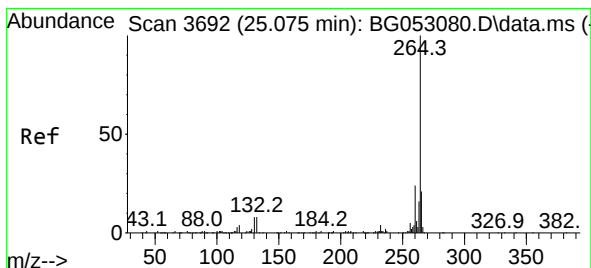
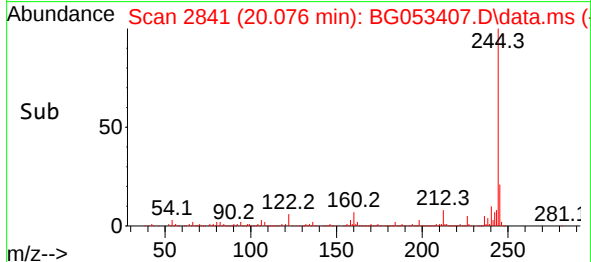
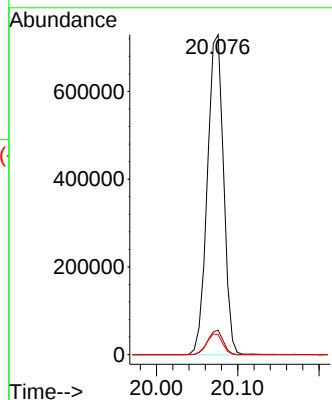
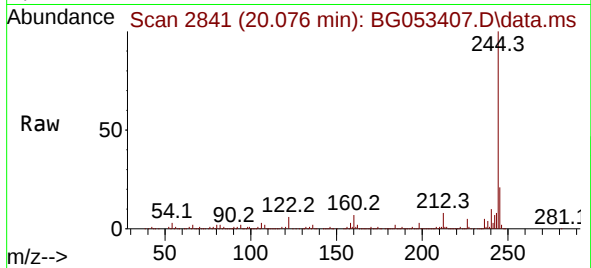




#79  
 Terphenyl-d14  
 Concen: 88.108 ng  
 RT: 20.076 min Scan# 21  
 Delta R.T. -0.010 min  
 Lab File: BG053407.D  
 Acq: 2 May 2022 20:13

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SS11-13-FT

Tgt Ion:244 Resp: 1007970  
 Ion Ratio Lower Upper  
 244 100  
 212 7.6 5.4 8.2  
 122 6.2 5.8 8.6



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 25.040 min Scan# 3686  
 Delta R.T. -0.021 min  
 Lab File: BG053407.D  
 Acq: 2 May 2022 20:13

Tgt Ion:264 Resp: 201434  
 Ion Ratio Lower Upper  
 264 100  
 260 22.7 18.2 27.2  
 265 22.4 15.1 22.7

