

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070120\  
 Data File : BG045908.D  
 Acq On : 1 Jul 2020 16:22  
 Operator : CG/JU  
 Sample : L3153-25  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SP2-F

Quant Time: Jul 01 18:16:43 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 01 14:59:28 2020  
 Response via : Initial Calibration

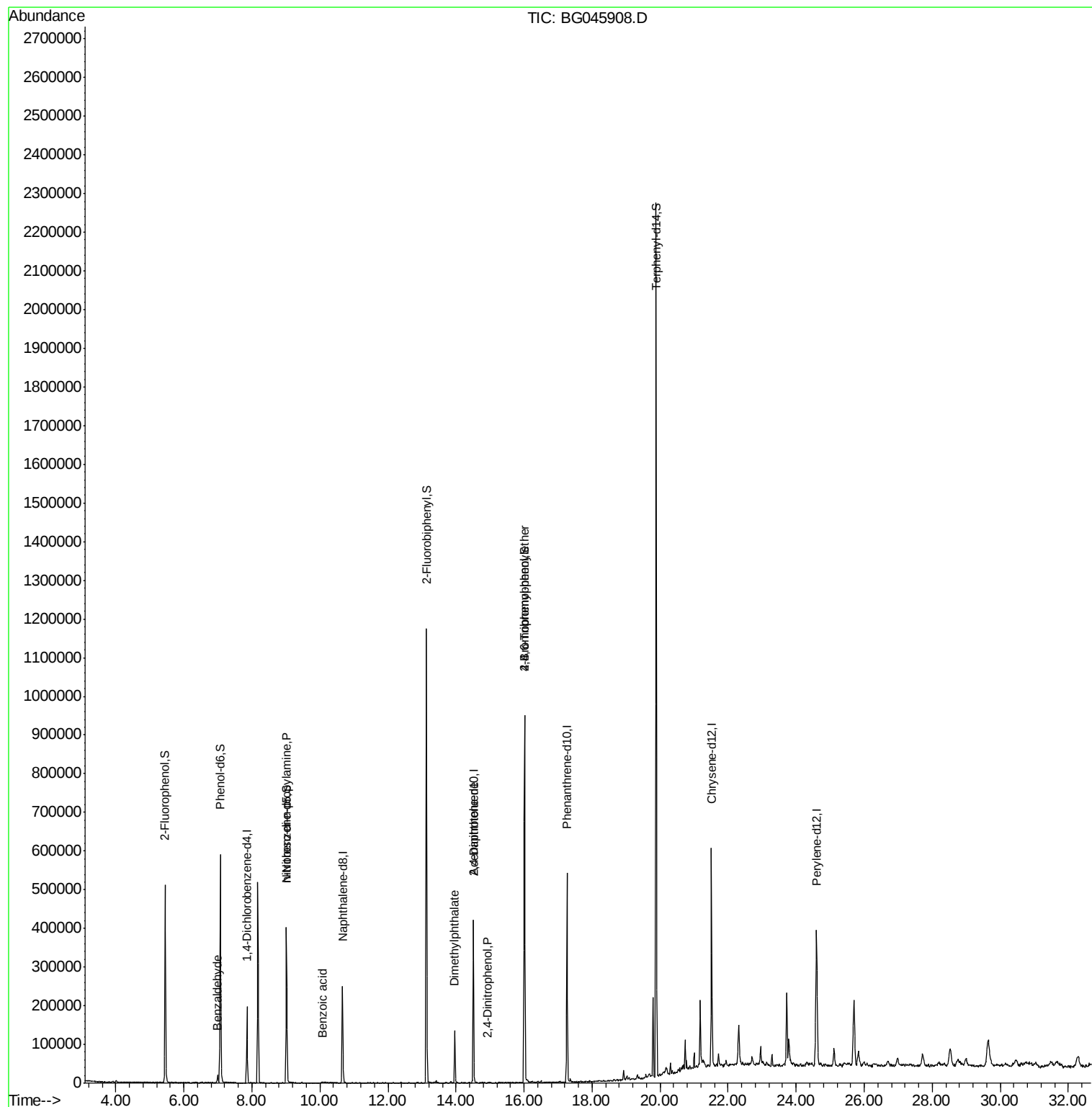
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.85  | 152  | 55325    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 10.66 | 136  | 219786   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 14.51 | 164  | 157071   | 20.00  | ng    | -0.01    |
| 64) Phenanthrene-d10           | 17.26 | 188  | 357504   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 21.51 | 240  | 350706   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12               | 24.60 | 264  | 354942   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.45  | 112  | 250969   | 76.63  | ng    | 0.00     |
| 7) Phenol-d6                   | 7.07  | 99   | 380200   | 76.32  | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 9.02  | 82   | 274648   | 57.09  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol       | 16.01 | 330  | 204247   | 86.13  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 13.13 | 172  | 628925   | 58.84  | ng    | 0.00     |
| 79) Terphenyl-d14              | 19.88 | 244  | 1086218  | 62.77  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 9) Benzaldehyde                | 6.99  | 77   | 8698     | 2.907  | ng    | 94       |
| 19) n-Nitroso-di-n-propylamine | 9.02  | 70   | 38596    | 11.784 | ng    | # 82     |
| 32) Benzoic acid               | 10.07 | 122  | 1344     | 9.494  | ng    | # 59     |
| 50) Dimethylphthalate          | 13.96 | 163  | 90895    | 7.387  | ng    | 99       |
| 54) 2,4-Dinitrophenol          | 14.94 | 184  | 54       | 9.856  | ng    | # 18     |
| 57) 2,4-Dinitrotoluene         | 14.52 | 165  | 19923    | 5.031  | ng    | # 22     |
| 67) 4-Bromophenyl-phenylether  | 16.01 | 248  | 13301    | 2.863  | ng    | # 1      |

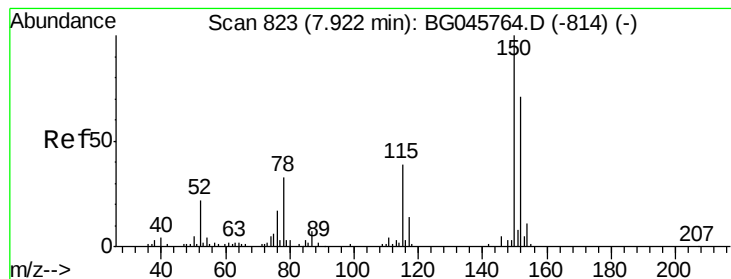
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070120\  
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Instrument :  
BNA\_G  
ClientSampleId :  
SP2-F

Quant Time: Jul 01 18:16:43 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061520.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jul 01 14:59:28 2020  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.85 min Scan# 811

Delta R.T. -0.00 min

Lab File: BG045908.D

Acq: 1 Jul 2020 16:22

Instrument :

BNA\_G

ClientSampleId :

SP2-F

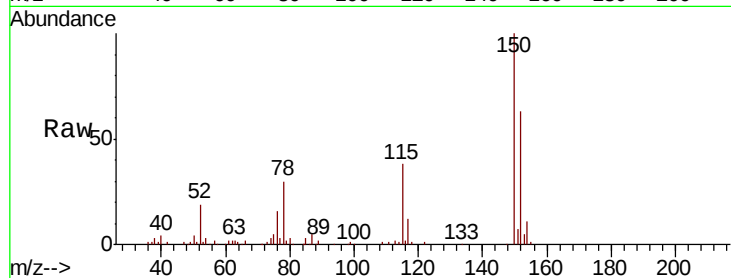
Tot Ion:152 Resp: 55325

Ion Ratio Lower Upper

152 100

150 159.8 123.9 185.9

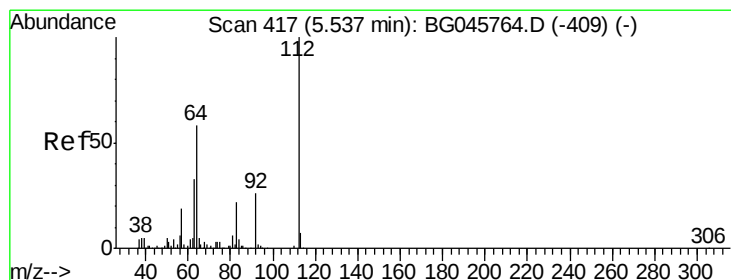
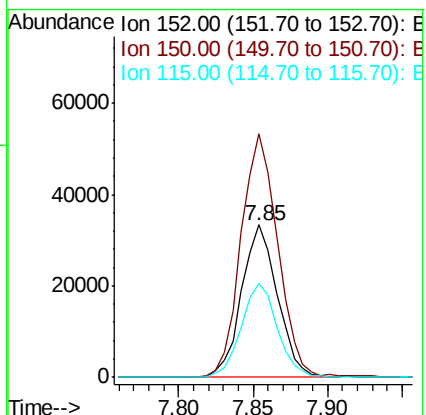
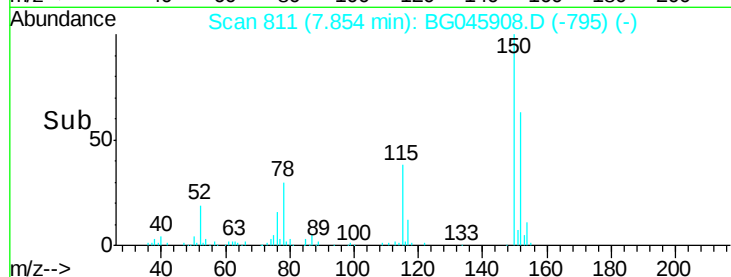
115 61.4 48.6 72.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 76.628 ng

RT: 5.45 min Scan# 402

Delta R.T. -0.00 min

Lab File: BG045908.D

Acq: 1 Jul 2020 16:22

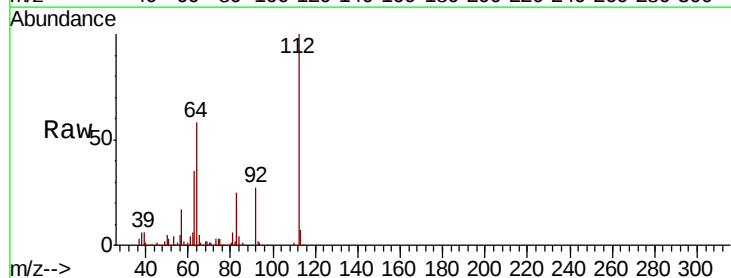
Tgt Ion:112 Resp: 250969

Ion Ratio Lower Upper

112 100

64 58.5 47.3 70.9

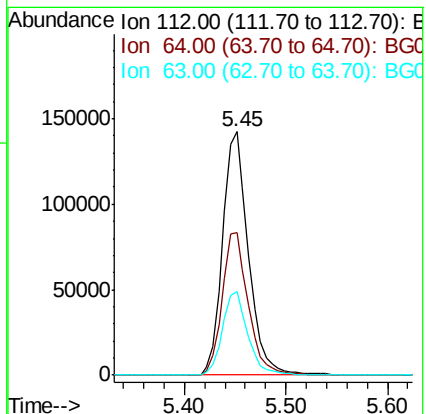
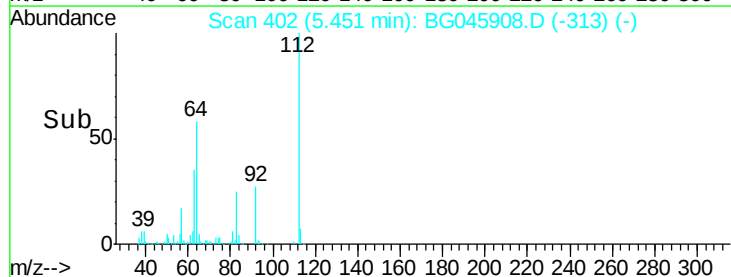
63 34.6 27.1 40.7

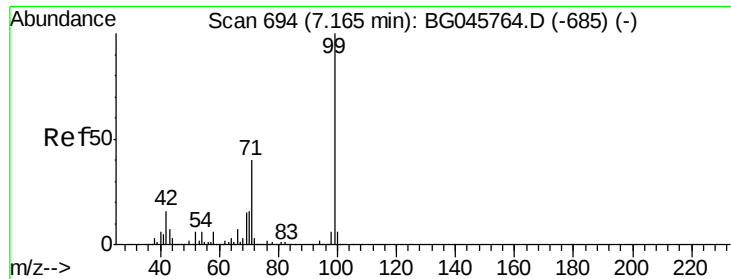


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 76.318 ng

RT: 7.07 min Scan# 678

Delta R.T. -0.01 min

Lab File: BG045908.D

Acq: 1 Jul 2020 16:22

Instrument :

BNA\_G

ClientSampled :

SP2-F

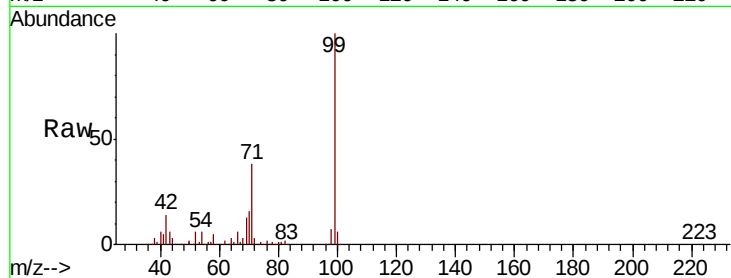
Tot Ion: 99 Resp: 380200

Ion Ratio Lower Upper

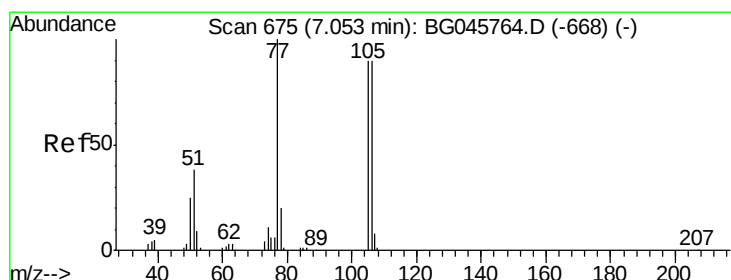
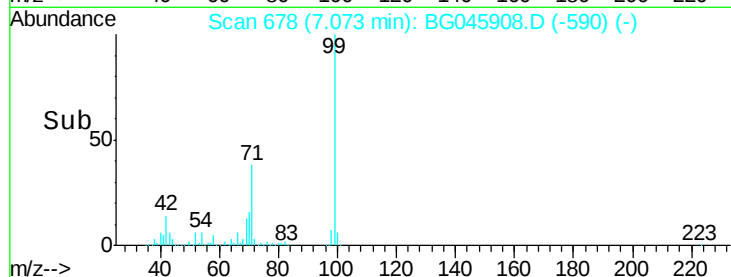
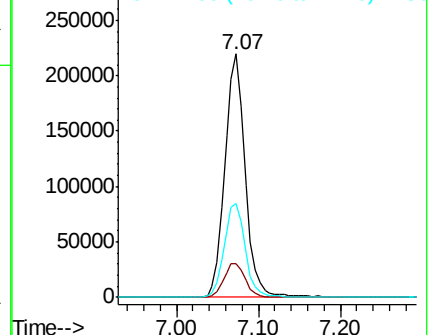
99 100

42 13.9 12.0 18.0

71 38.4 32.1 48.1



Abundance Ion 99.00 (98.70 to 99.70): BGC  
Ion 42.00 (41.70 to 42.70): BGC  
Ion 71.00 (70.70 to 71.70): BGC



#9

Benzaldehyde

Concen: 2.907 ng

RT: 6.99 min Scan# 664

Delta R.T. -0.00 min

Lab File: BG045908.D

Acq: 1 Jul 2020 16:22

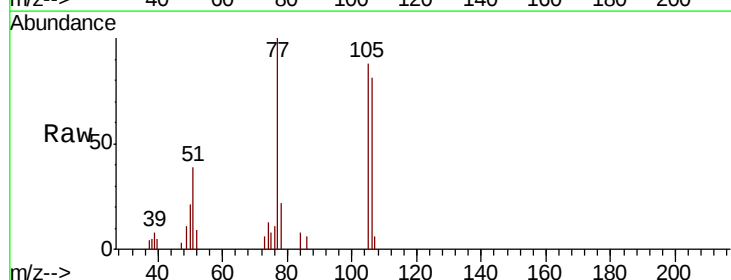
Tgt Ion: 77 Resp: 8698

Ion Ratio Lower Upper

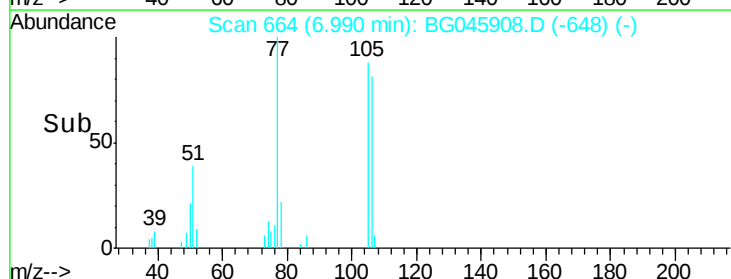
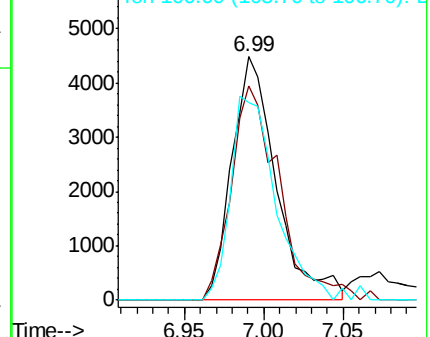
77 100

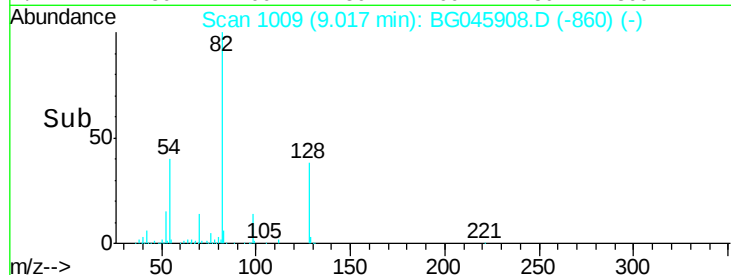
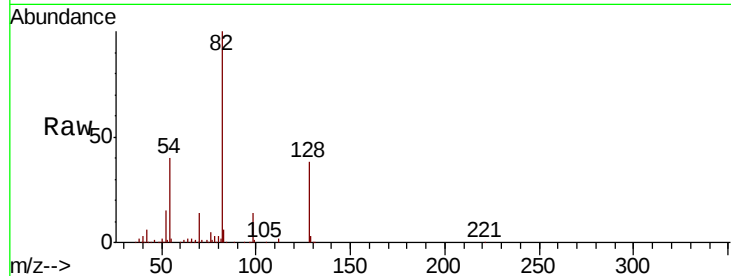
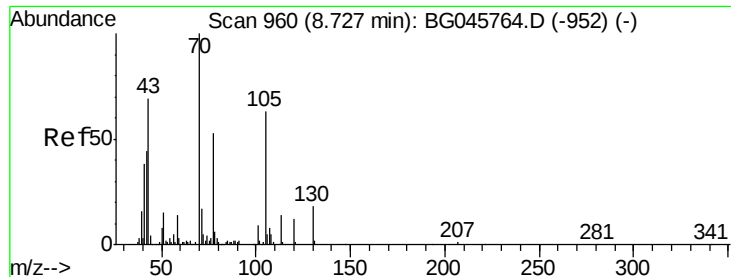
105 87.9 72.8 112.8

106 81.3 67.2 107.2



Abundance Ion 77.00 (76.70 to 77.70): BGC  
Ion 105.00 (104.70 to 105.70): BGC  
Ion 106.00 (105.70 to 106.70): BGC

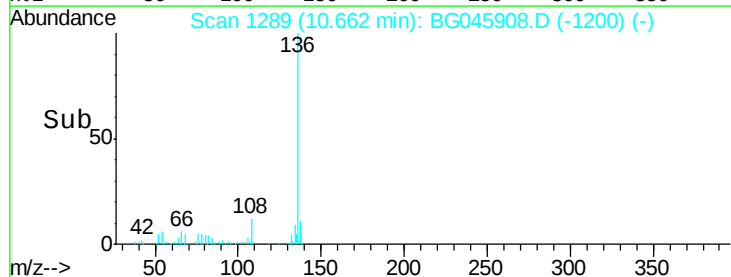
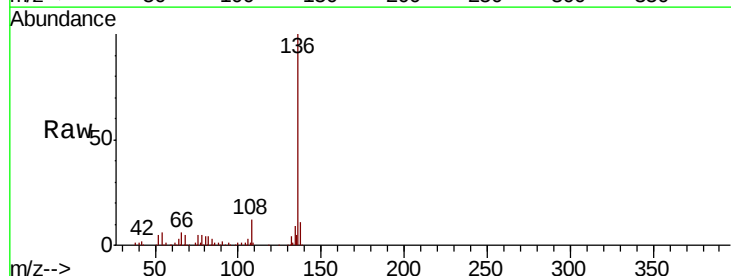
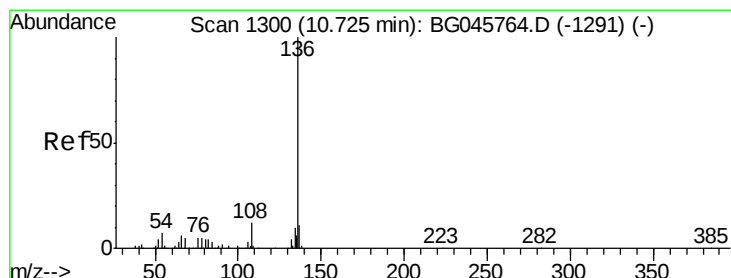
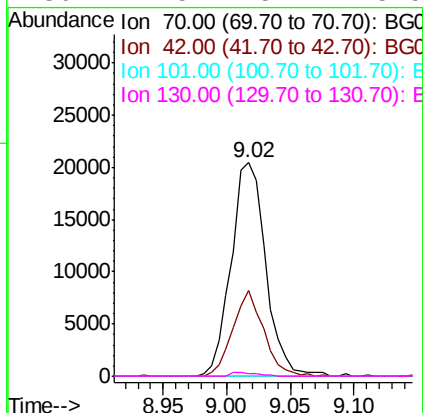




#19  
n-Nitroso-di-n-propylamine  
Concen: 11.784 ng  
RT: 9.02 min Scan# 1009  
Delta R.T. 0.35 min  
Lab File: BG045908.D  
Acq: 1 Jul 2020 16:22

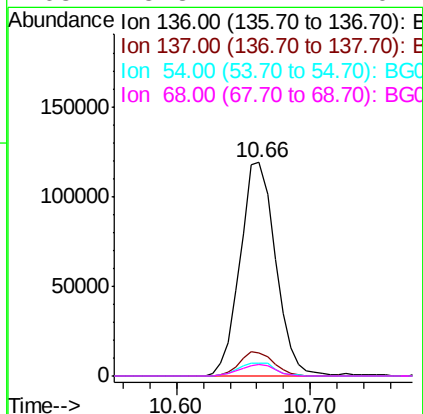
Instrument :  
BNA\_G  
ClientSampleId :  
SP2-F

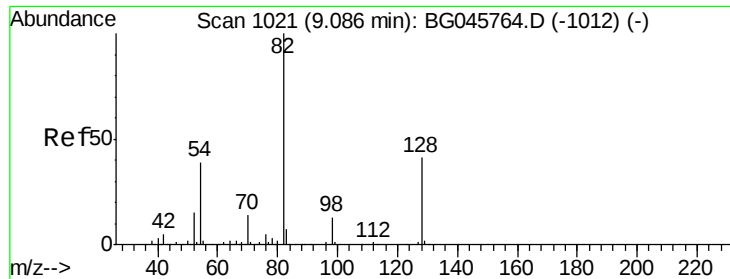
| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 70      | 100  |       |       |       |
| 42      | 40.0 | 35.5  | 53.3  |       |
| 101     | 0.0  | 6.7   | 10.1  |       |
| 130     | 1.5  | 15.7  | 23.5  |       |



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.66 min Scan# 1289  
Delta R.T. -0.00 min  
Lab File: BG045908.D  
Acq: 1 Jul 2020 16:22

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 136     | 100  |       |       |       |
| 137     | 10.7 | 8.6   | 12.8  |       |
| 54      | 6.1  | 4.5   | 6.7   |       |
| 68      | 5.3  | 4.2   | 6.2   |       |

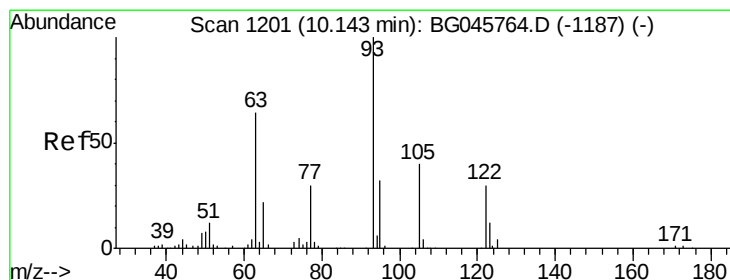
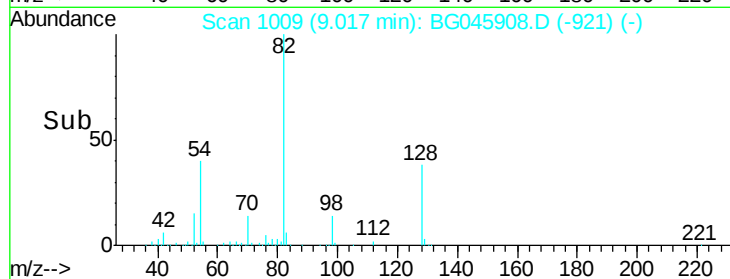
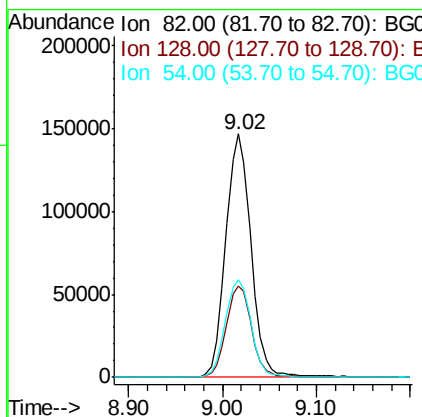
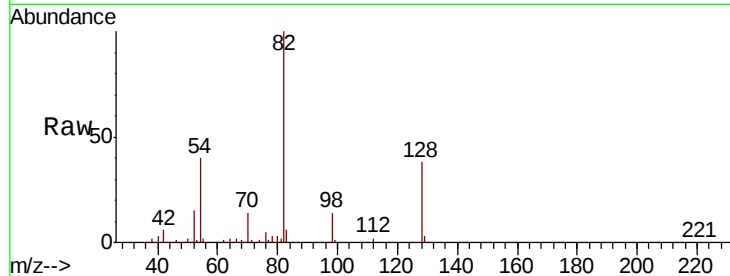




#23  
 Nitrobenzene-d5  
 Concen: 57.087 ng  
 RT: 9.02 min Scan# 1009  
 Delta R.T. -0.01 min  
 Lab File: BG045908.D  
 Acq: 1 Jul 2020 16:22

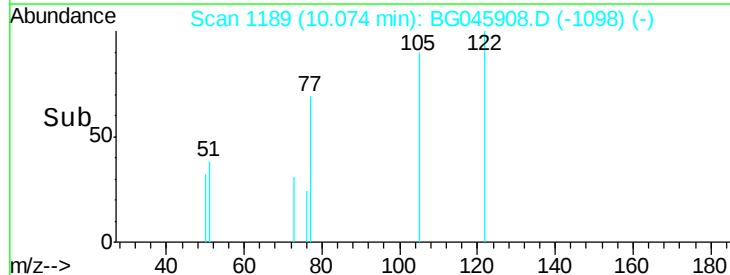
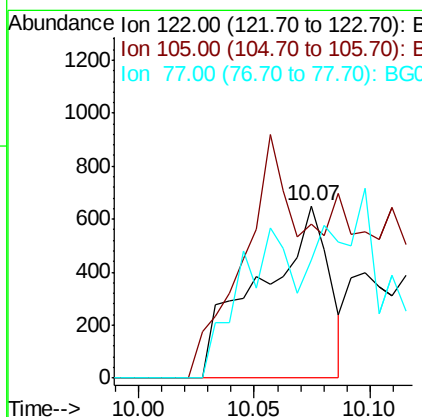
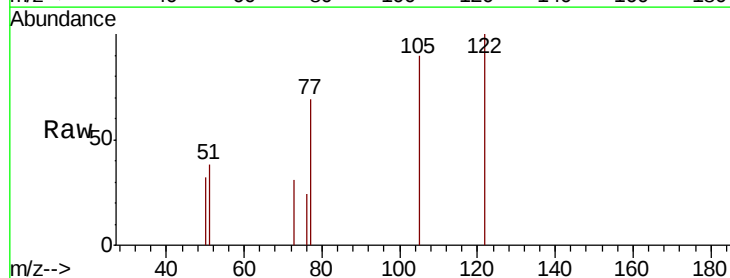
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SP2-F

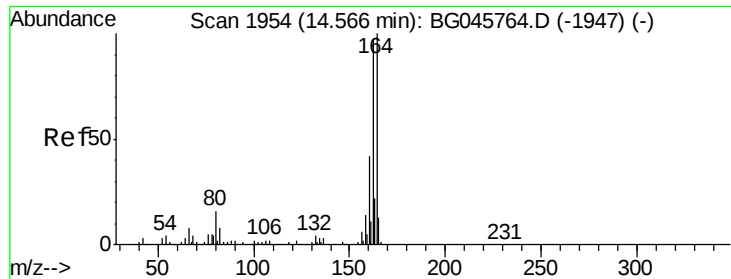
| Tot Ion   | 82    | Resp  | 274648 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 37.6  | 31.0  | 46.6   |
| 54        | 40.2  | 32.8  | 49.2   |



#32  
 Benzoic acid  
 Concen: 9.494 ng  
 RT: 10.07 min Scan# 1189  
 Delta R.T. 0.01 min  
 Lab File: BG045908.D  
 Acq: 1 Jul 2020 16:22

| Tgt Ion   | 122   | Resp  | 1344   |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 122       | 100   |       |        |
| 105       | 89.7  | 120.5 | 160.5# |
| 77        | 69.0  | 92.8  | 132.8# |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.51 min Scan# 1944

Delta R.T. -0.01 min

Lab File: BG045908.D

Acq: 1 Jul 2020 16:22

Instrument :

BNA\_G

ClientSampled :

SP2-F

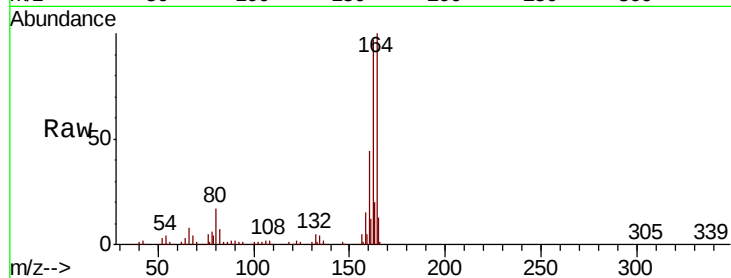
Tot Ion:164 Resp: 157071

Ion Ratio Lower Upper

164 100

162 97.1 76.3 114.5

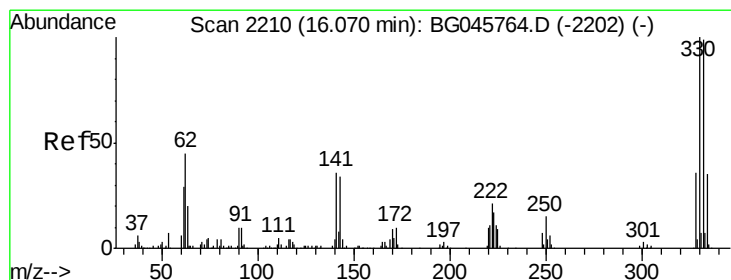
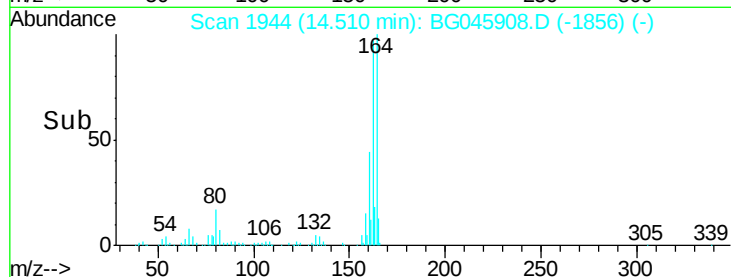
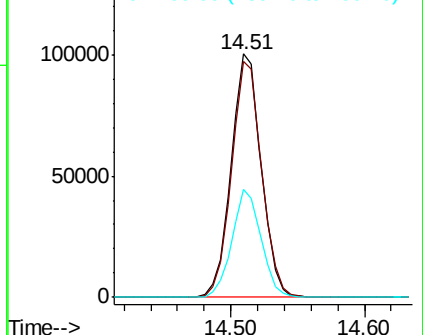
160 44.3 35.4 53.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 86.131 ng

RT: 16.01 min Scan# 2200

Delta R.T. -0.00 min

Lab File: BG045908.D

Acq: 1 Jul 2020 16:22

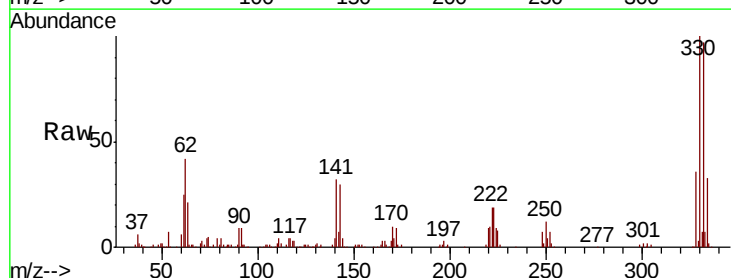
Tgt Ion:330 Resp: 204247

Ion Ratio Lower Upper

330 100

332 97.7 77.4 116.0

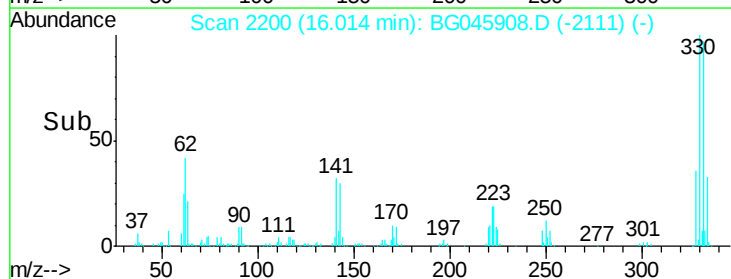
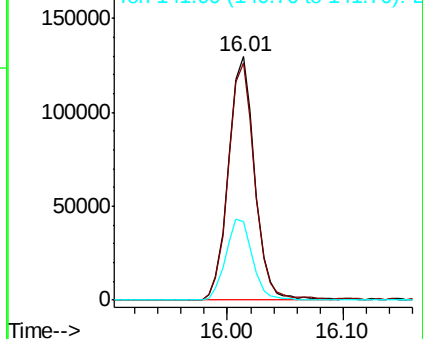
141 33.5 27.8 41.8

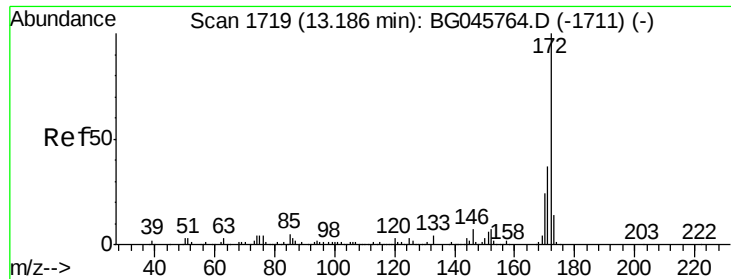


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

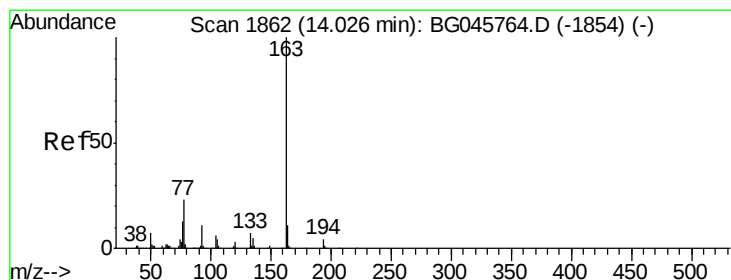
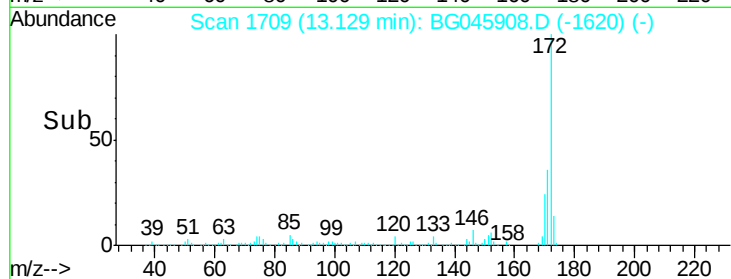
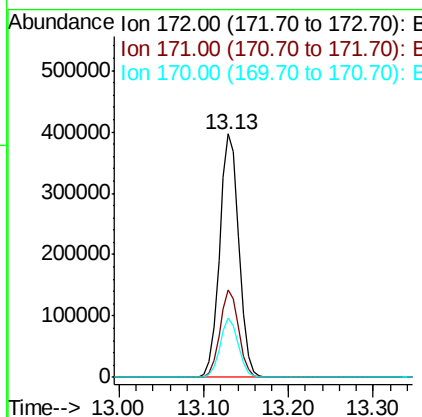
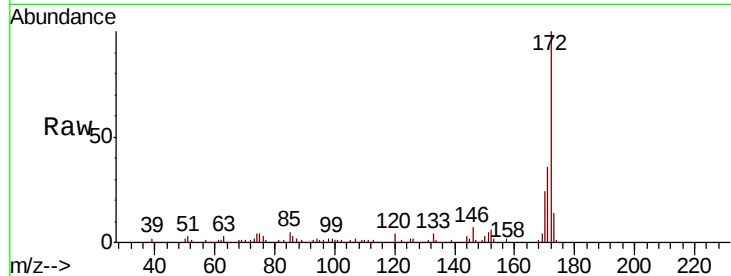




#45  
2-Fluorobiphenyl  
Concen: 58.842 ng  
RT: 13.13 min Scan# 1709  
Delta R.T. -0.00 min  
Lab File: BG045908.D  
Acq: 1 Jul 2020 16:22

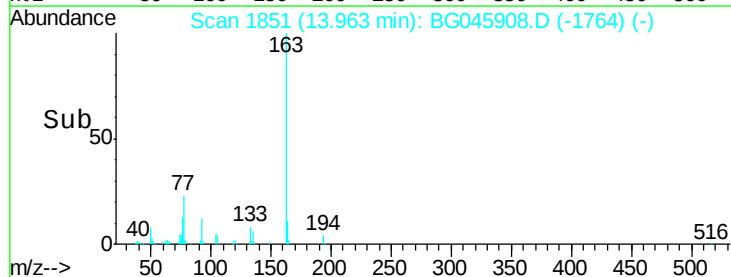
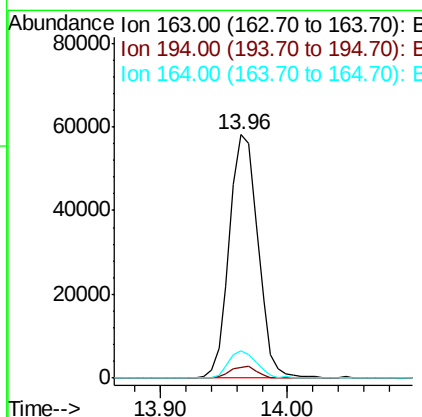
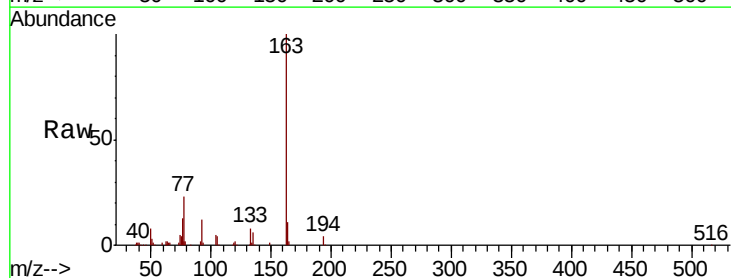
Instrument :  
BNA\_G  
ClientSampled :  
SP2-F

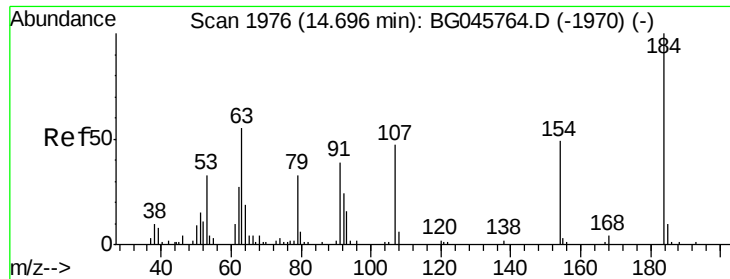
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.9  | 29.0  | 43.6  |
| 170     | 24.3  | 18.9  | 28.3  |



#50  
Dimethylphthalate  
Concen: 7.387 ng  
RT: 13.96 min Scan# 1851  
Delta R.T. -0.02 min  
Lab File: BG045908.D  
Acq: 1 Jul 2020 16:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 4.3   | 3.4   | 5.2   |
| 164     | 11.1  | 8.5   | 12.7  |

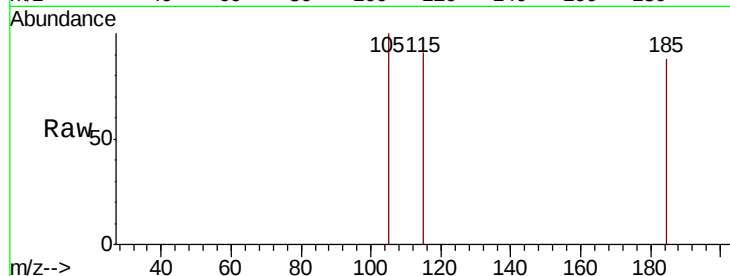




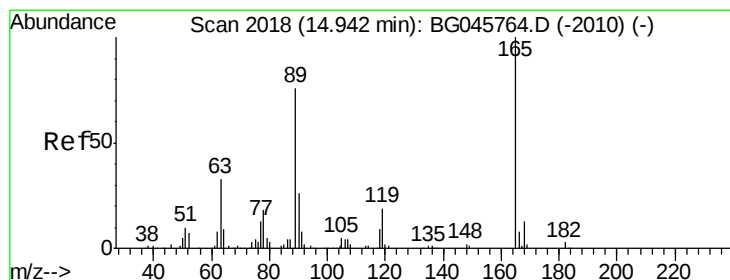
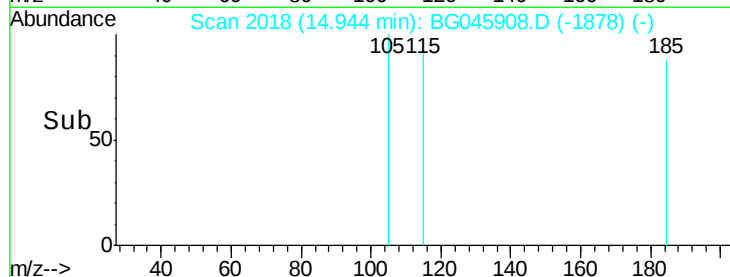
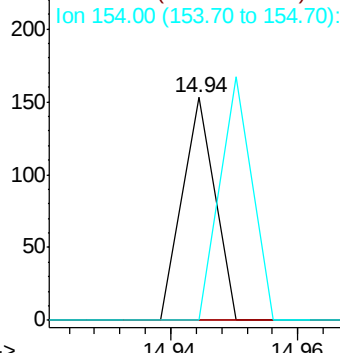
#54  
2,4-Dinitrophenol  
Concen: 9.856 ng  
RT: 14.94 min Scan# 2018  
Delta R.T. 0.29 min  
Lab File: BG045908.D  
Acq: 1 Jul 2020 16:22

Instrument :  
BNA\_G  
ClientSampleId :  
SP2-F

Tot Ion:184 Resp: 54  
Ion Ratio Lower Upper  
184 100  
63 0.0 48.9 73.3#  
154 0.0 54.1 81.1#

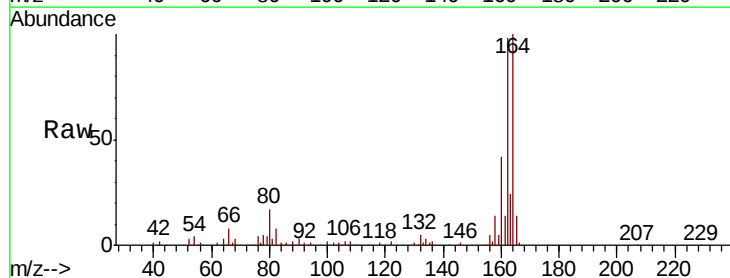


Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 63.00 (62.70 to 63.70): BG  
Ion 154.00 (153.70 to 154.70): E

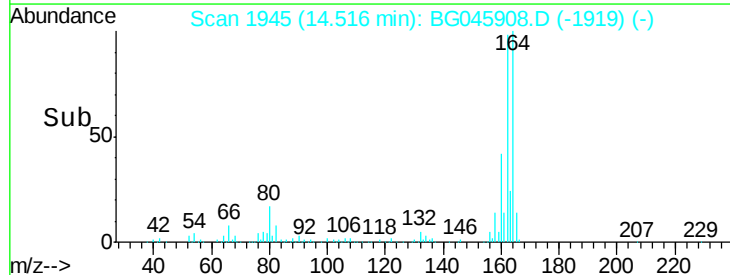
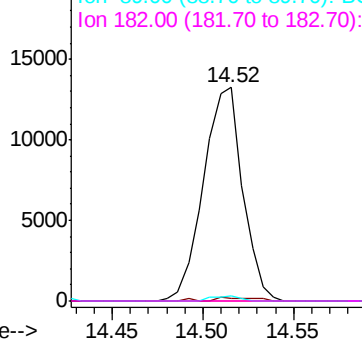


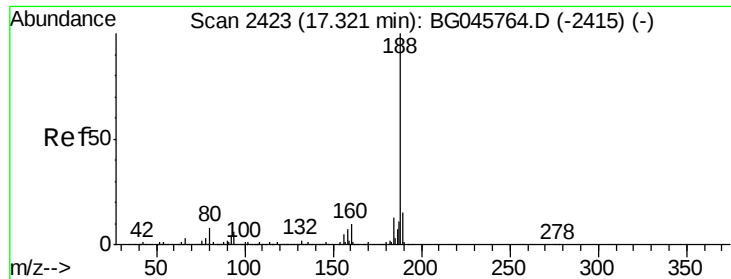
#57  
2,4-Dinitrotoluene  
Concen: 5.031 ng  
RT: 14.52 min Scan# 1945  
Delta R.T. -0.37 min  
Lab File: BG045908.D  
Acq: 1 Jul 2020 16:22

Tgt Ion:165 Resp: 19923  
Ion Ratio Lower Upper  
165 100  
63 1.4 34.4 51.6#  
89 2.3 63.0 94.4#  
182 0.0 2.2 3.2#



Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BG  
Ion 89.00 (88.70 to 89.70): BG  
Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.26 min Scan# 2413

Delta R.T. -0.00 min

Lab File: BG045908.D

Acq: 1 Jul 2020 16:22

Instrument :

BNA\_G

ClientSampleId :

SP2-F

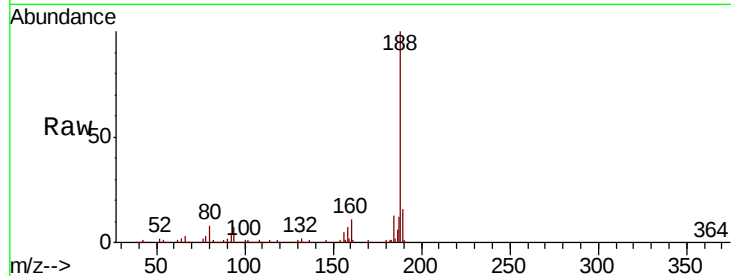
Tot Ion:188 Resp: 357504

Ion Ratio Lower Upper

188 100

94 6.5 5.5 8.3

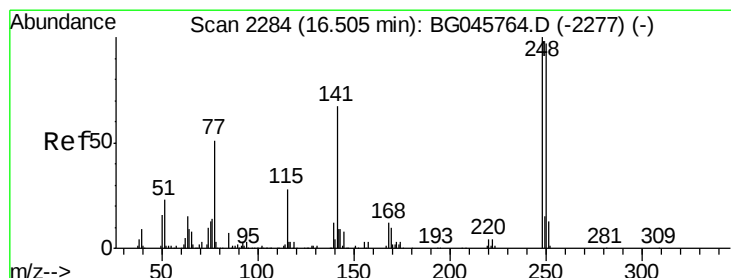
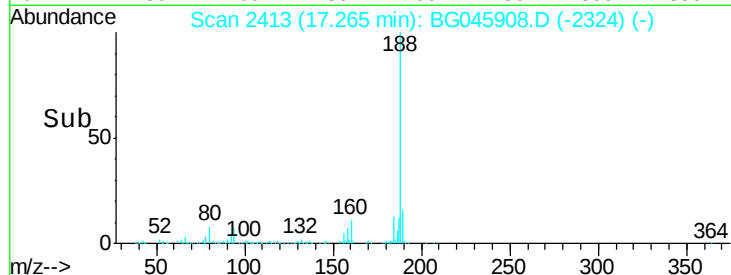
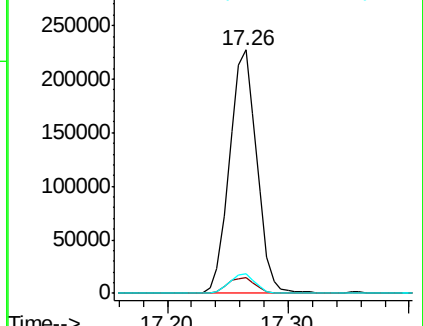
80 8.3 6.3 9.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#67

4-Bromophenyl-phenylether

Concen: 2.863 ng

RT: 16.01 min Scan# 2200

Delta R.T. -0.45 min

Lab File: BG045908.D

Acq: 1 Jul 2020 16:22

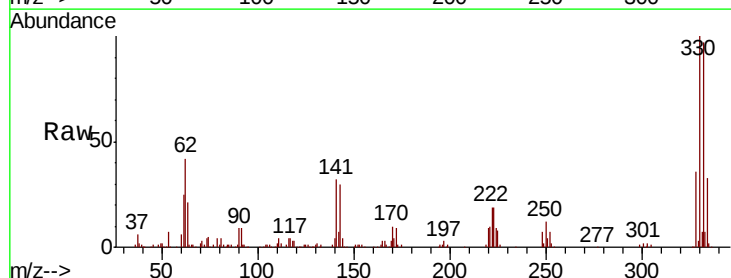
Tgt Ion:248 Resp: 13301

Ion Ratio Lower Upper

248 100

250 181.7 75.7 113.5#

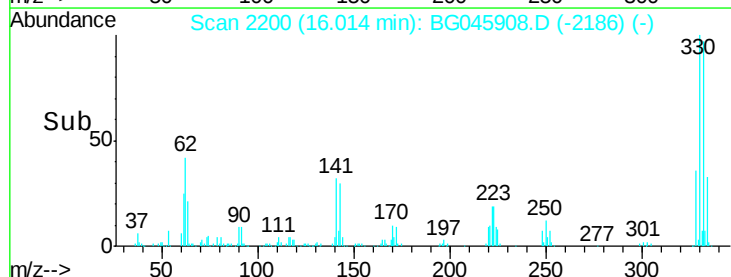
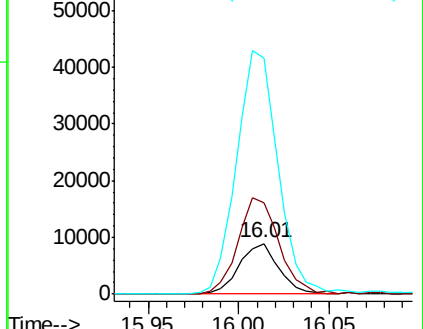
141 468.1 55.0 82.4#

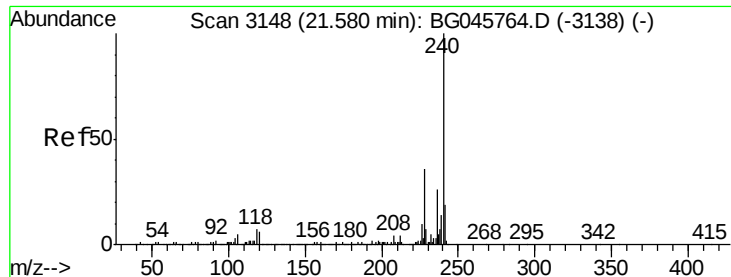


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.51 min Scan# 3136

Delta R.T. -0.01 min

Lab File: BG045908.D

Acq: 1 Jul 2020 16:22

Instrument :

BNA\_G

ClientSampled :

SP2-F

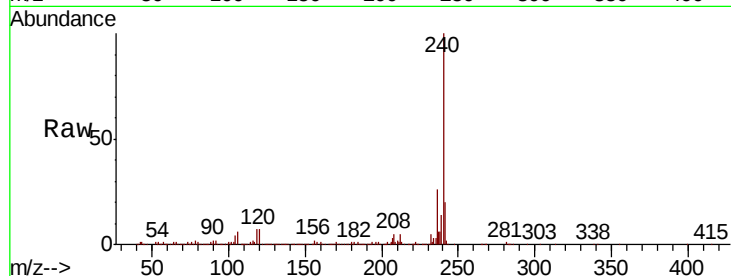
Tot Ion:240 Resp: 350706

Ion Ratio Lower Upper

240 100

120 7.2 5.4 8.2

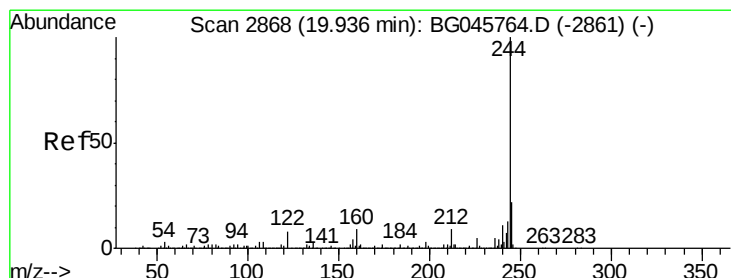
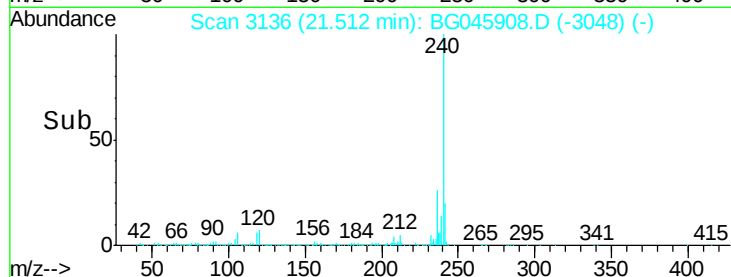
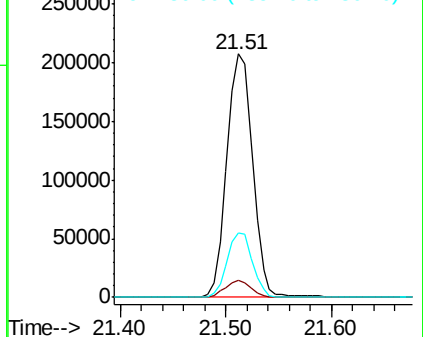
236 26.2 21.2 31.8



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#79

Terphenyl-d14

Concen: 62.768 ng

RT: 19.88 min Scan# 2859

Delta R.T. -0.00 min

Lab File: BG045908.D

Acq: 1 Jul 2020 16:22

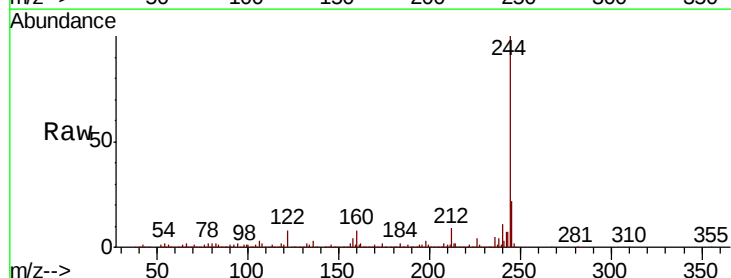
Tgt Ion:244 Resp: 1086218

Ion Ratio Lower Upper

244 100

212 8.8 7.1 10.7

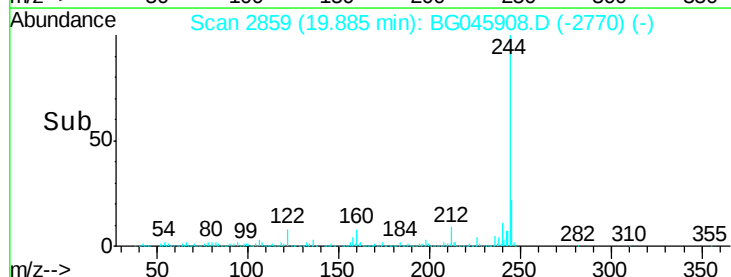
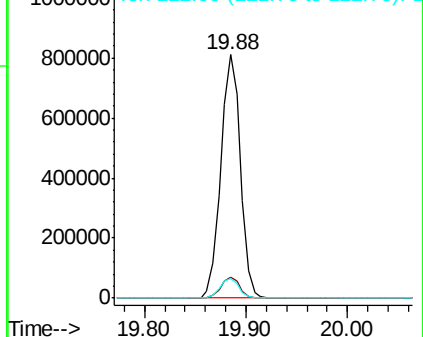
122 8.0 6.7 10.1

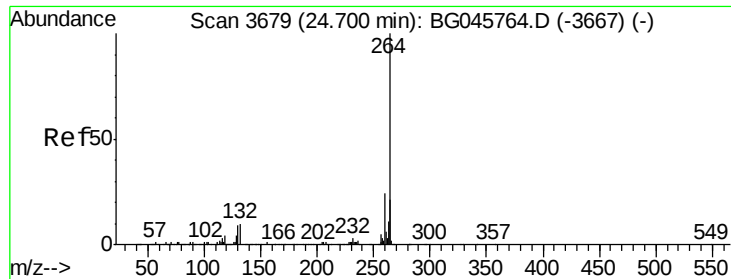


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 24.60 min Scan# 3661  
Delta R.T. -0.01 min  
Lab File: BG045908.D  
Acq: 1 Jul 2020 16:22

Instrument :  
BNA\_G  
ClientSampleId :  
SP2-F

Tot Ion:264 Resp: 354942  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.8  | 17.7  | 26.5  |
| 265 | 23.1  | 16.9  | 25.3  |

