

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061020\  
 Data File : BG045702.D  
 Acq On : 10 Jun 2020 21:58  
 Operator : CG/JU  
 Sample : L2965-02  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Jun 11 00:47:11 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 01 15:07:00 2020  
 Response via : Initial Calibration

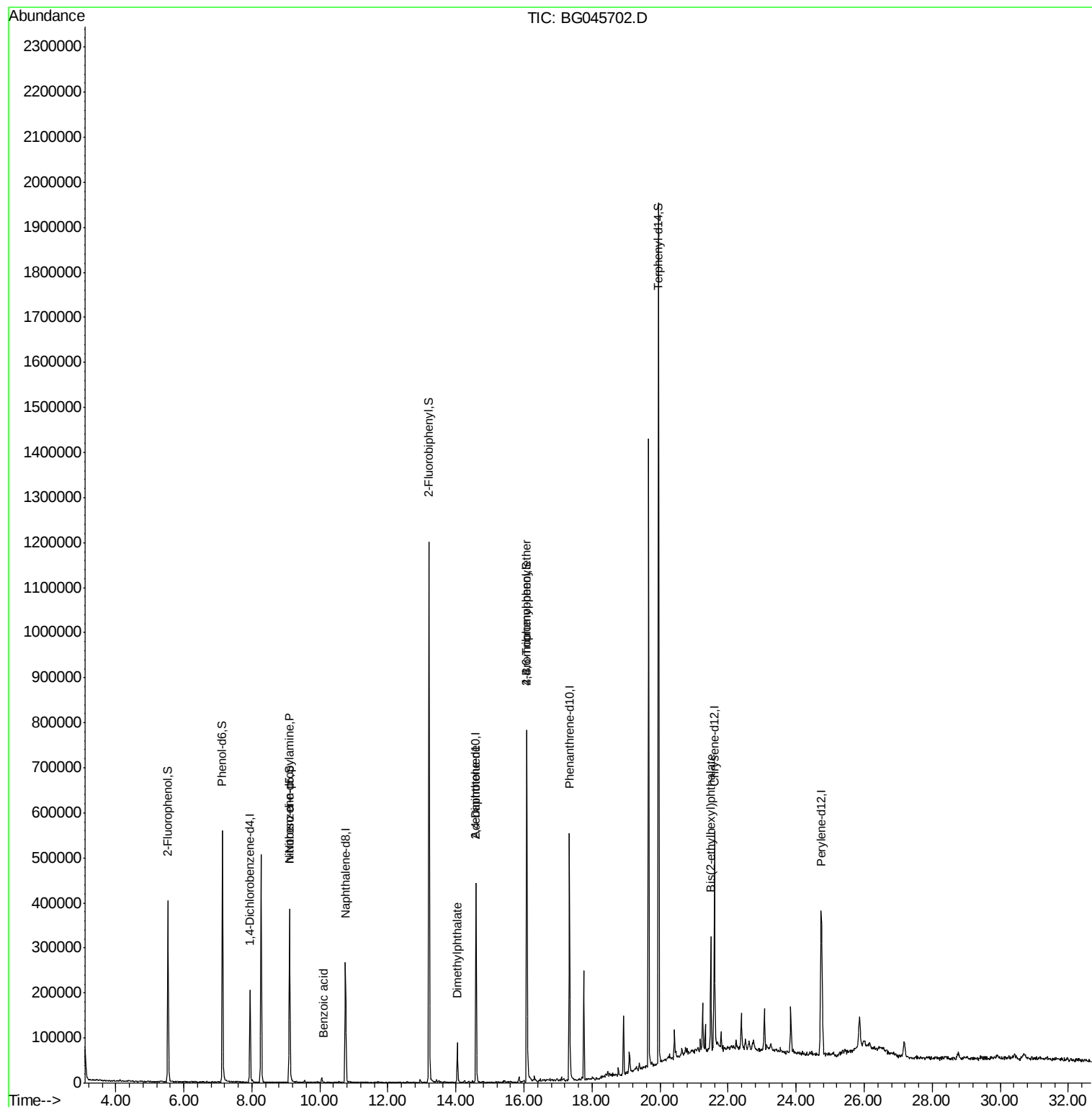
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.94  | 152  | 61149    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 10.75 | 136  | 242796   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 14.59 | 164  | 167588   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 17.34 | 188  | 360755   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 21.60 | 240  | 321345   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12               | 24.74 | 264  | 349712   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.53  | 112  | 200142   | 63.96  | ng    | 0.00     |
| 7) Phenol-d6                   | 7.13  | 99   | 380899   | 85.53  | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 9.11  | 82   | 276081   | 62.01  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 16.09 | 330  | 173855   | 81.12  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 13.21 | 172  | 663396   | 67.14  | ng    | 0.00     |
| 79) Terphenyl-d14              | 19.95 | 244  | 979130   | 71.06  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 9.11  | 70   | 37620    | 12.216 | ng    | # 83     |
| 32) Benzoic acid               | 10.10 | 122  | 57       | 10.044 | ng    | # 1      |
| 50) Dimethylphthalate          | 14.04 | 163  | 62813    | 5.464  | ng    | 96       |
| 57) 2,4-Dinitrotoluene         | 14.59 | 165  | 21480    | 5.717  | ng    | # 23     |
| 67) 4-Bromophenyl-phenylether  | 16.08 | 248  | 11173    | 2.860  | ng    | # 1      |
| 84) Bis(2-ethylhexyl)phthalate | 21.49 | 149  | 104635   | 9.627  | ng    | 97       |

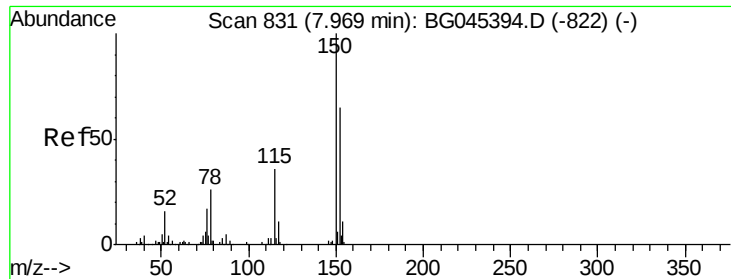
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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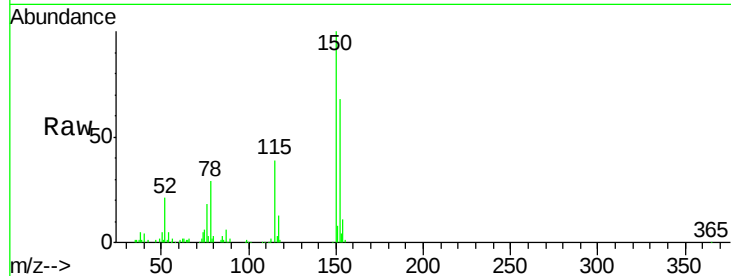


#1

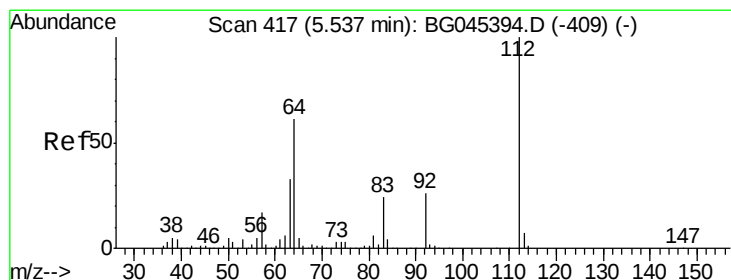
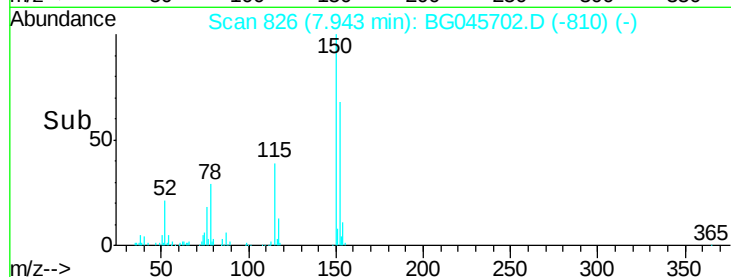
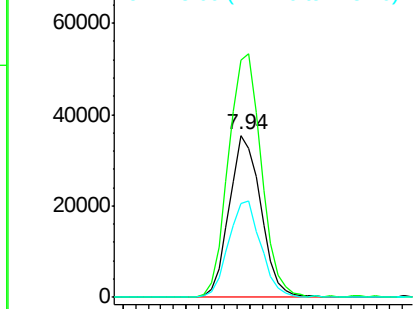
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.94 min Scan# 826  
Delta R.T. -0.01 min  
Lab File: BG045702.D  
Acq: 10 Jun 2020 21:58

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:152 Resp: 61149  
Ion Ratio Lower Upper  
152 100  
150 146.5 122.4 183.6  
115 57.8 44.2 66.4



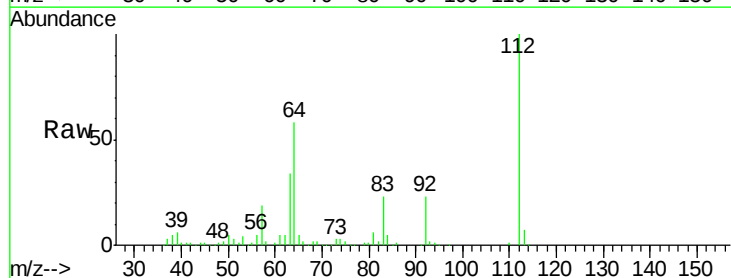
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



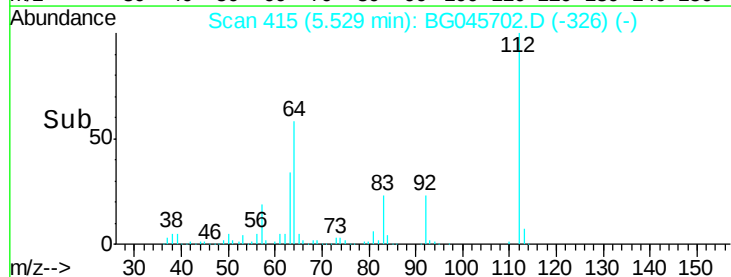
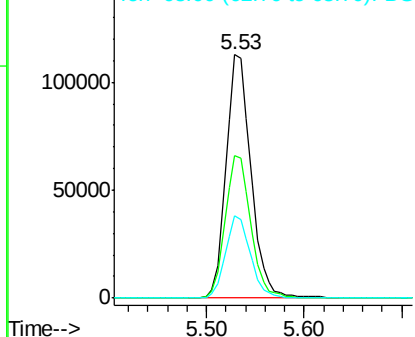
#5

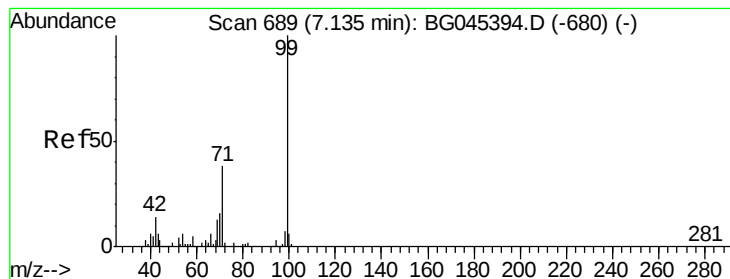
2-Fluorophenol  
Concen: 63.965 ng  
RT: 5.53 min Scan# 415  
Delta R.T. -0.01 min  
Lab File: BG045702.D  
Acq: 10 Jun 2020 21:58

Tgt Ion:112 Resp: 200142  
Ion Ratio Lower Upper  
112 100  
64 58.5 48.6 72.8  
63 34.0 26.5 39.7



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: 85.529 ng

RT: 7.13 min Scan# 688

Delta R.T. -0.01 min

Lab File: BG045702.D

Acq: 10 Jun 2020 21:58

Instrument :

BNA\_G

ClientSampled :

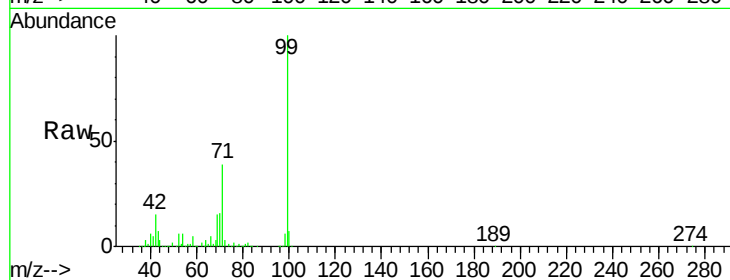
Tot Ion: 99 Resp: 380899

Ion Ratio Lower Upper

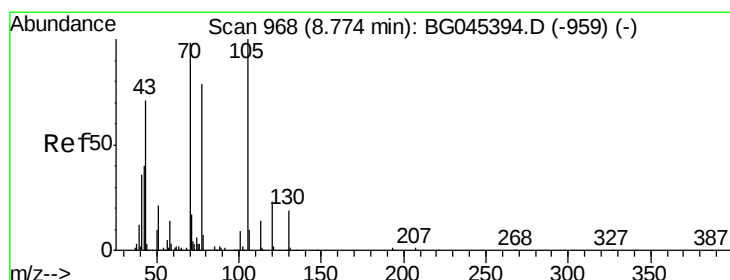
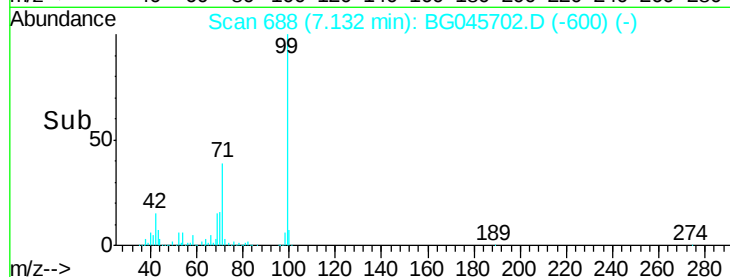
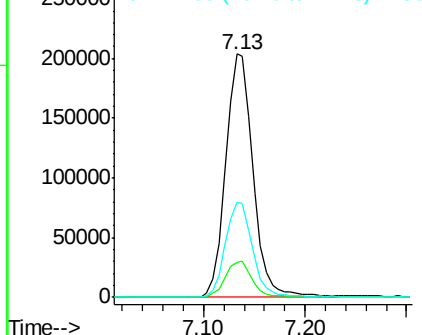
99 100

42 14.6 11.3 16.9

71 39.3 30.8 46.2



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



#19

n-Nitroso-di-n-propylamine

Concen: 12.216 ng

RT: 9.11 min Scan# 1024

Delta R.T. 0.35 min

Lab File: BG045702.D

Acq: 10 Jun 2020 21:58

Tgt Ion: 70 Resp: 37620

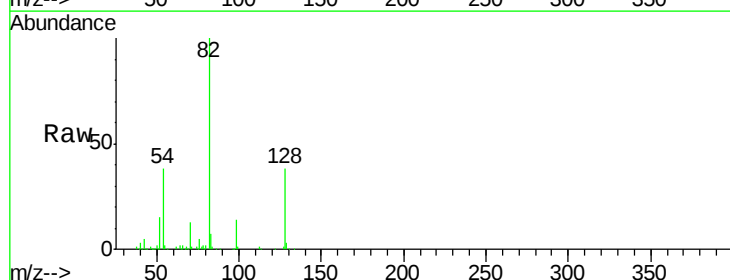
Ion Ratio Lower Upper

70 100

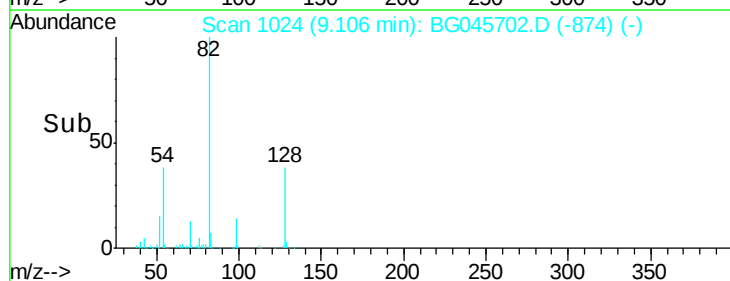
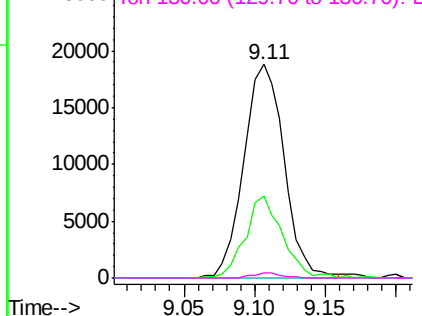
42 38.2 33.2 49.8

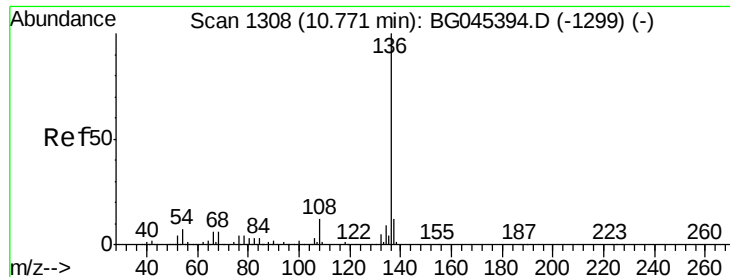
101 0.0 7.8 11.6#

130 2.2 15.4 23.2#



Abundance Ion 70.00 (69.70 to 70.70): BGC  
Ion 42.00 (41.70 to 42.70): BGC  
Ion 101.00 (100.70 to 101.70): BGC  
Ion 130.00 (129.70 to 130.70): BGC

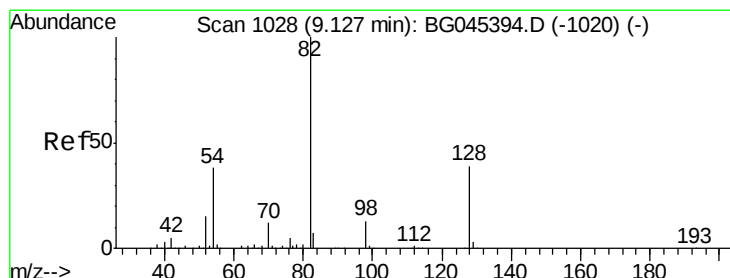
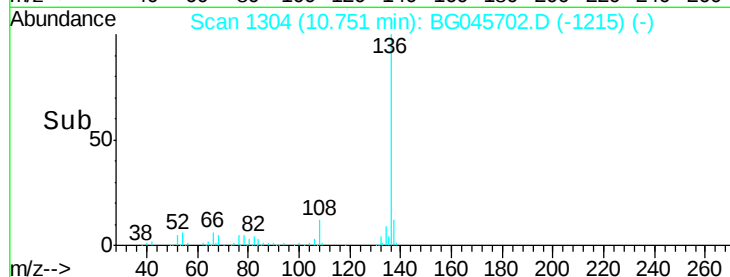
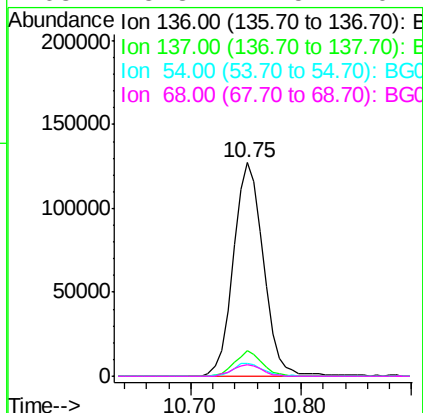
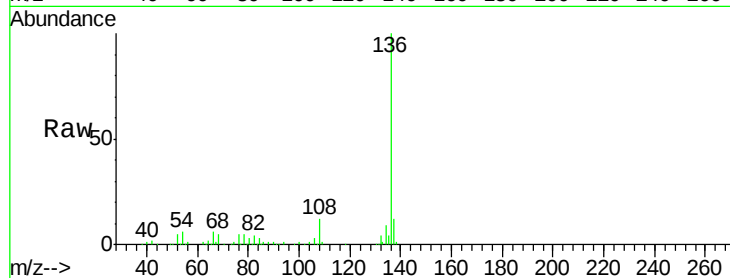




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.75 min Scan# 1304  
Delta R.T. -0.01 min  
Lab File: BG045702.D  
Acq: 10 Jun 2020 21:58

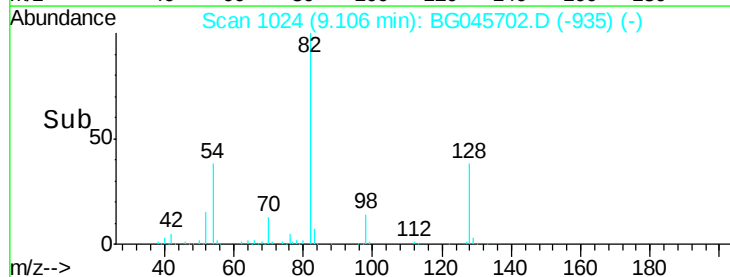
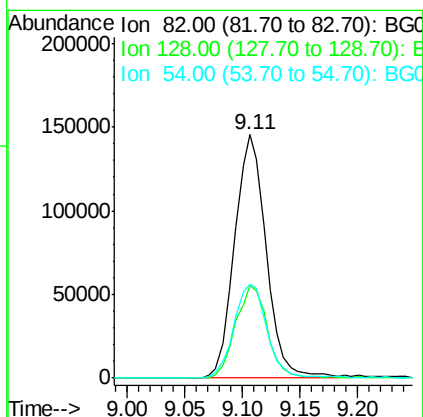
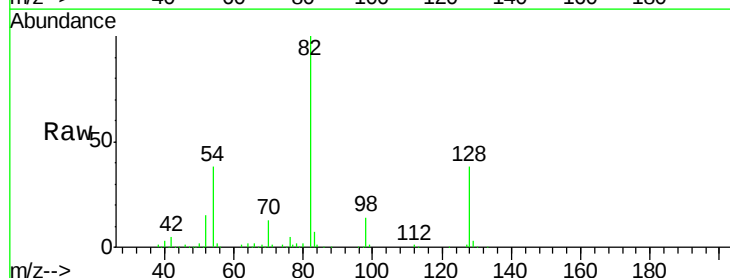
Instrument :  
BNA\_G  
ClientSampleId :

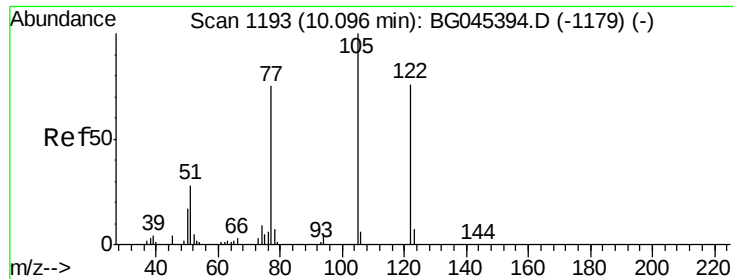
|             |       |        |
|-------------|-------|--------|
| Tot Ion:136 | Resp: | 242796 |
| Ion Ratio   | Lower | Upper  |
| 136 100     |       |        |
| 137 11.9    | 9.4   | 14.2   |
| 54 6.1      | 5.8   | 8.6    |
| 68 5.3      | 4.5   | 6.7    |



#23  
Nitrobenzene-d5  
Concen: 62.007 ng  
RT: 9.11 min Scan# 1024  
Delta R.T. -0.01 min  
Lab File: BG045702.D  
Acq: 10 Jun 2020 21:58

|             |              |
|-------------|--------------|
| Tgt Ion: 82 | Resp: 276081 |
| Ion Ratio   | Lower Upper  |
| 82 100      |              |
| 128 37.8    | 30.9 46.3    |
| 54 38.3     | 30.3 45.5    |

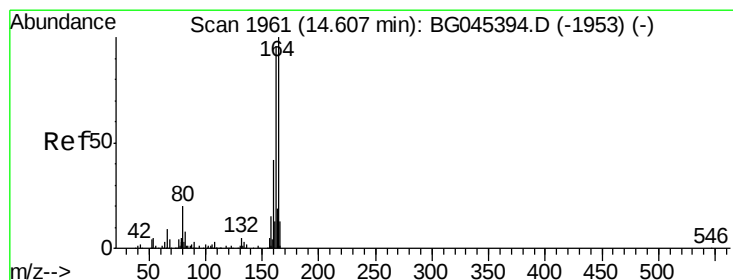
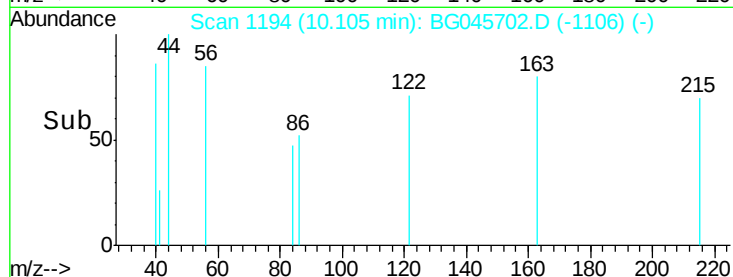
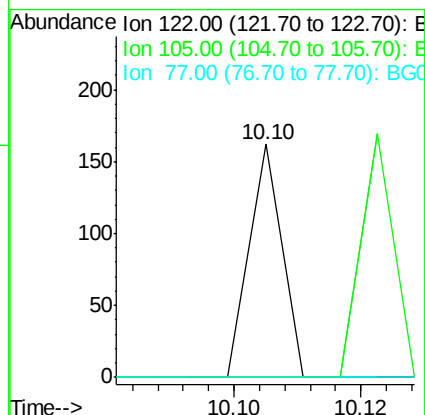
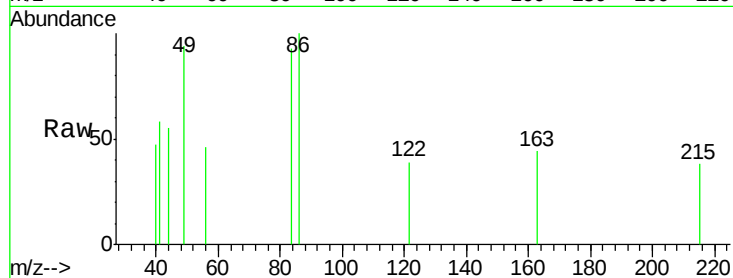




#32  
Benzoic acid  
Concen: 10.044 ng  
RT: 10.10 min Scan# 1194  
Delta R.T. -0.01 min  
Lab File: BG045702.D  
Acq: 10 Jun 2020 21:58

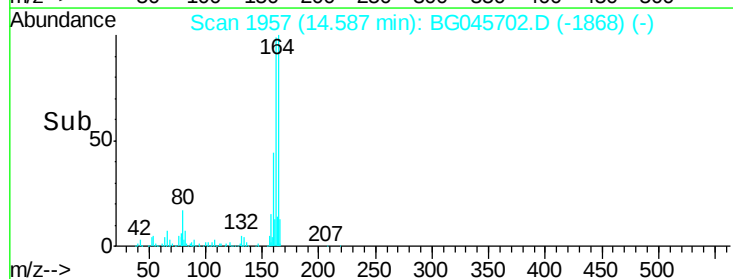
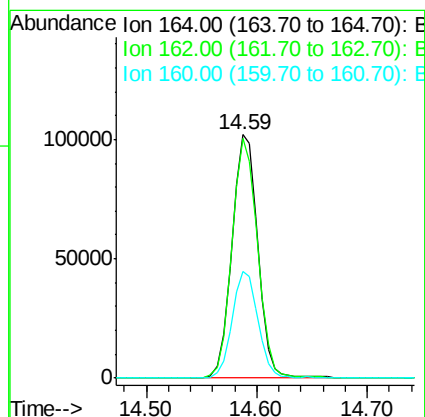
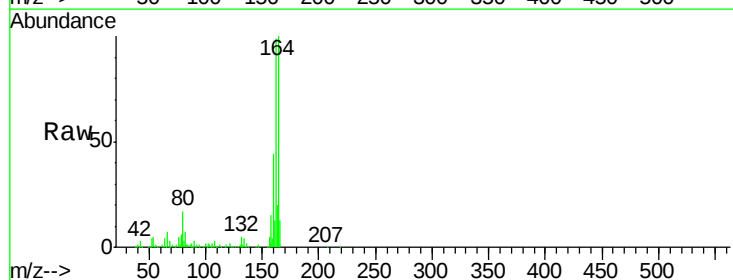
Instrument :  
BNA\_G  
ClientSampleId :

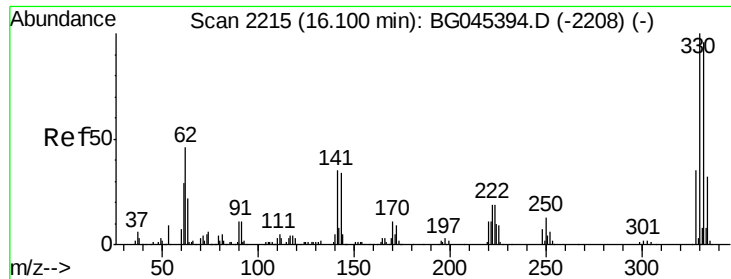
Tot Ion:122 Resp: 57  
Ion Ratio Lower Upper  
122 100  
105 0.0 107.9 147.9#  
77 0.0 78.9 118.9#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.59 min Scan# 1957  
Delta R.T. -0.01 min  
Lab File: BG045702.D  
Acq: 10 Jun 2020 21:58

Tgt Ion:164 Resp: 167588  
Ion Ratio Lower Upper  
164 100  
162 98.6 76.9 115.3  
160 43.8 33.8 50.8

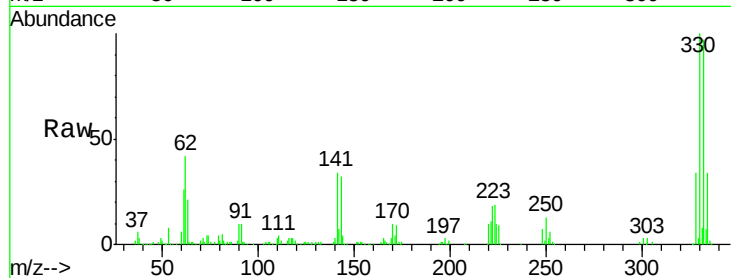




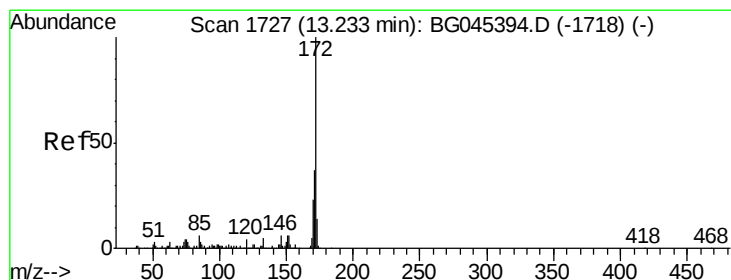
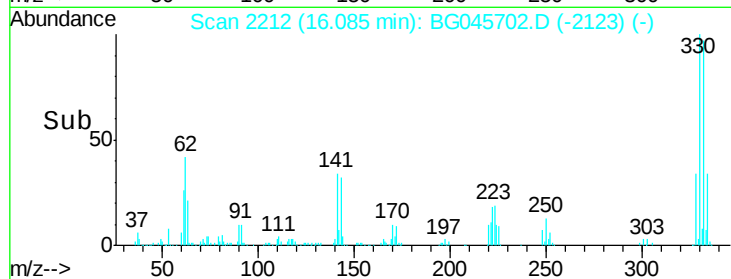
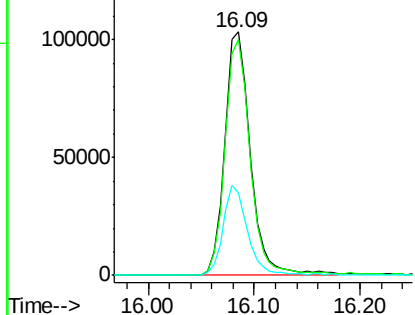
#42  
 2,4,6-Tribromophenol  
 Concen: 81.117 ng  
 RT: 16.09 min Scan# 2212  
 Delta R.T. -0.01 min  
 Lab File: BG045702.D  
 Acq: 10 Jun 2020 21:58

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.2  | 78.2  | 117.4 |
| 141     | 35.4  | 28.2  | 42.4  |

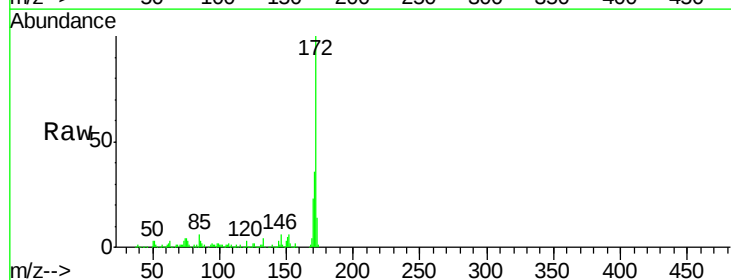


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

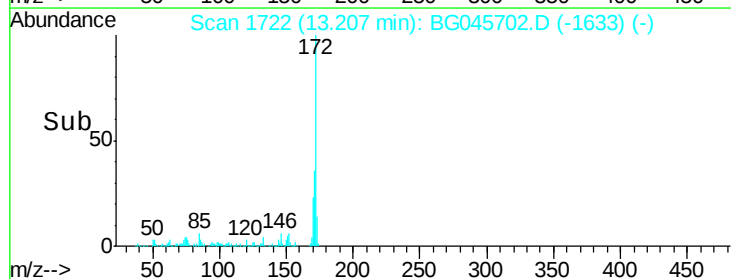
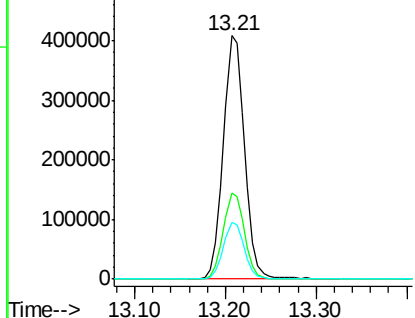


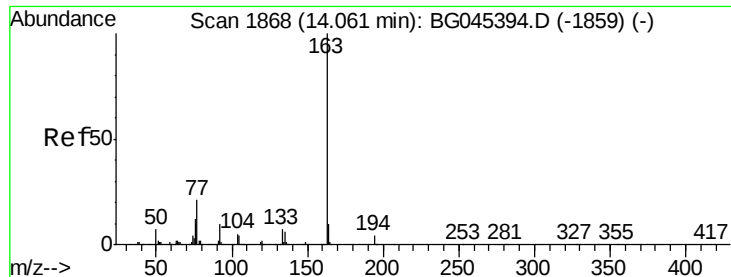
#45  
 2-Fluorobiphenyl  
 Concen: 67.144 ng  
 RT: 13.21 min Scan# 1722  
 Delta R.T. -0.01 min  
 Lab File: BG045702.D  
 Acq: 10 Jun 2020 21:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.7  | 29.5  | 44.3  |
| 170     | 23.1  | 18.5  | 27.7  |



Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

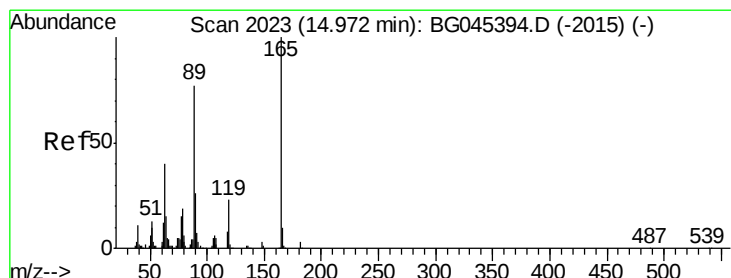
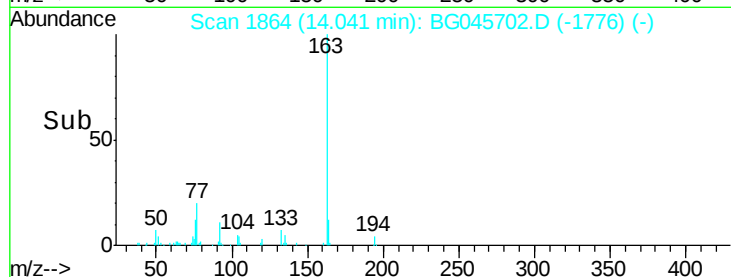
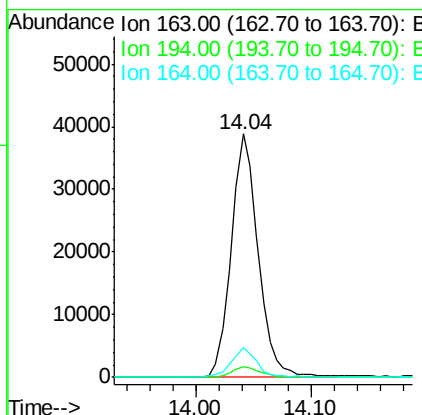
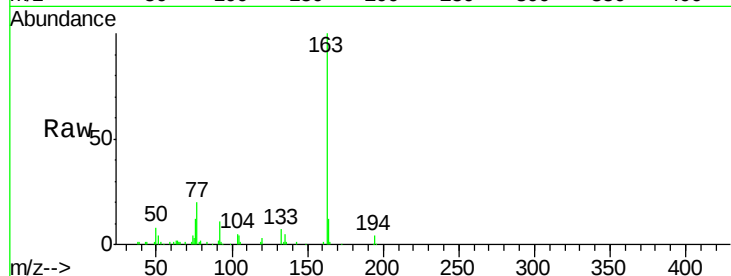




#50  
Dimethylphthalate  
Concen: 5.464 ng  
RT: 14.04 min Scan# 1864  
Delta R.T. -0.01 min  
Lab File: BG045702.D  
Acq: 10 Jun 2020 21:58

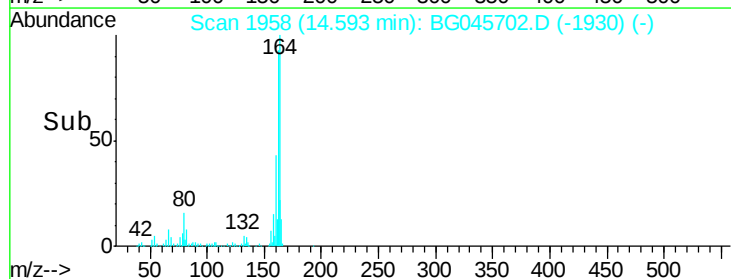
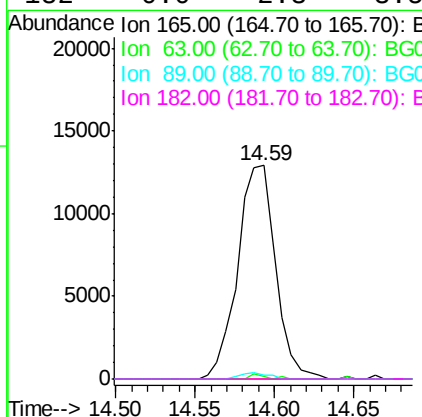
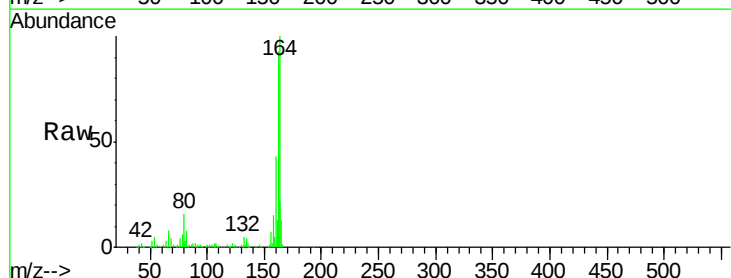
Instrument :  
BNA\_G  
ClientSampled :

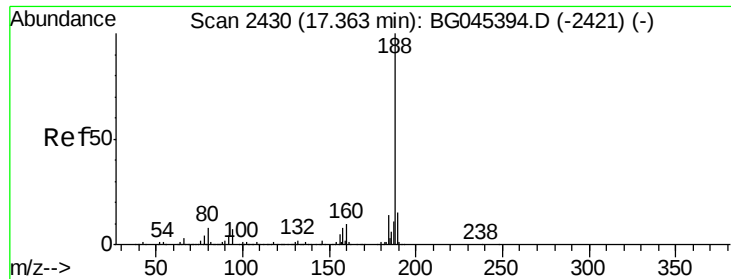
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 4.4   | 3.2   | 4.8   |
| 164     | 12.4  | 8.3   | 12.5  |



#57  
2,4-Dinitrotoluene  
Concen: 5.717 ng  
RT: 14.59 min Scan# 1958  
Delta R.T. -0.37 min  
Lab File: BG045702.D  
Acq: 10 Jun 2020 21:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.2   | 32.5  | 48.7# |
| 89      | 2.0   | 61.8  | 92.6# |
| 182     | 0.0   | 2.3   | 3.5#  |

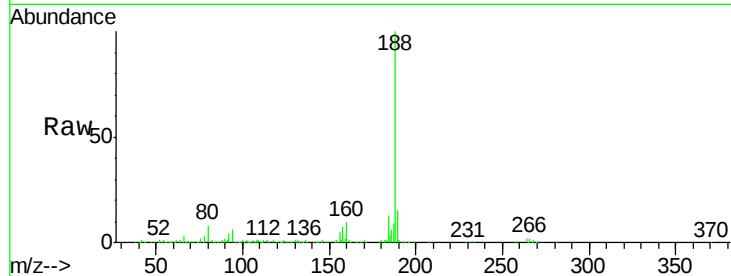




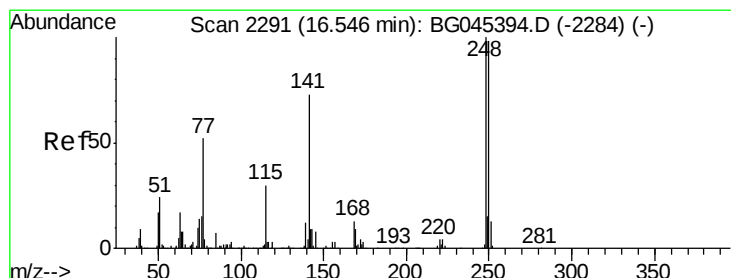
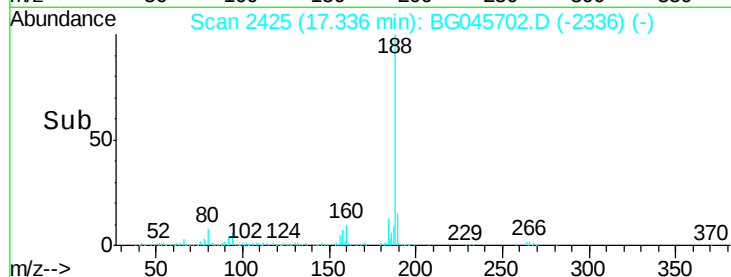
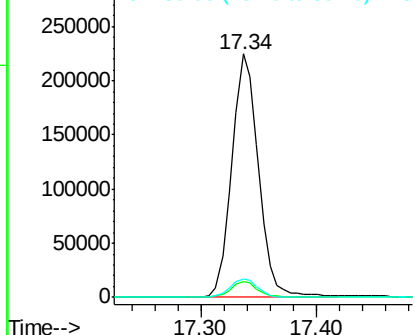
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.34 min Scan# 2425  
Delta R.T. -0.01 min  
Lab File: BG045702.D  
Acq: 10 Jun 2020 21:58

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:188 Resp: 360755  
Ion Ratio Lower Upper  
188 100  
94 6.3 5.5 8.3  
80 7.7 6.6 10.0

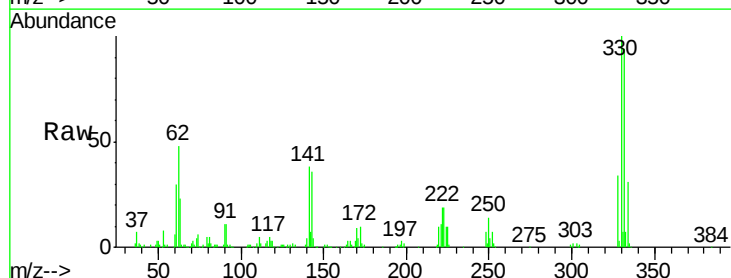


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGC  
Ion 80.00 (79.70 to 80.70): BGC

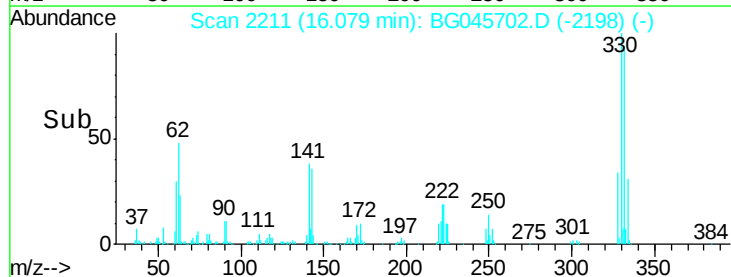
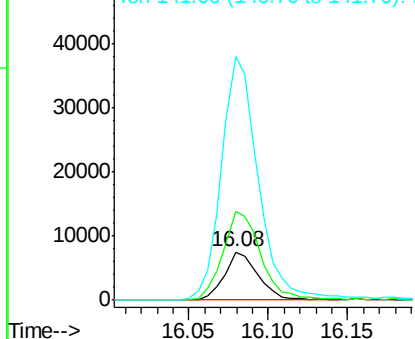


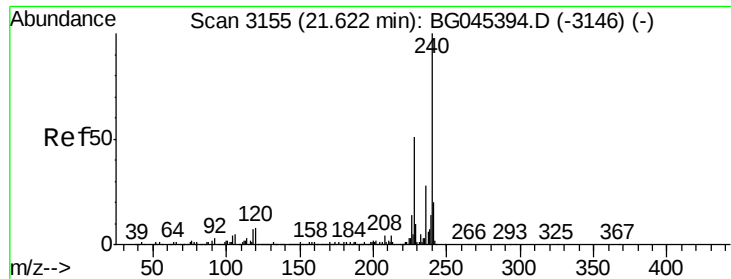
#67  
4-Bromophenyl-phenylether  
Concen: 2.860 ng  
RT: 16.08 min Scan# 2211  
Delta R.T. -0.45 min  
Lab File: BG045702.D  
Acq: 10 Jun 2020 21:58

Tgt Ion:248 Resp: 11173  
Ion Ratio Lower Upper  
248 100  
250 185.4 78.6 117.8#  
141 507.5 58.2 87.2#



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: 21.60 min Scan# 3150

Delta R.T. -0.01 min

Lab File: BG045702.D

Acq: 10 Jun 2020 21:58

Instrument :

BNA\_G

ClientSampleId :

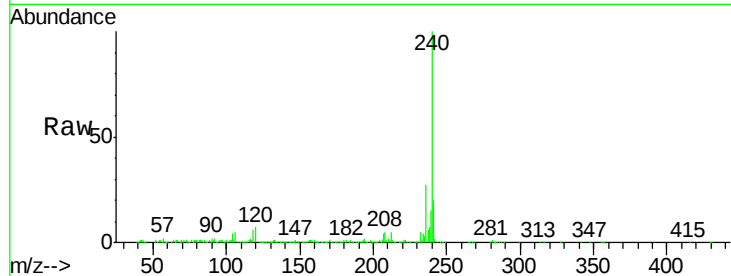
Tot Ion:240 Resp: 321345

Ion Ratio Lower Upper

240 100

120 6.9 6.1 9.1

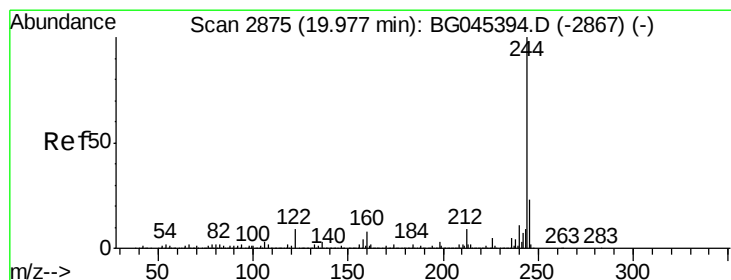
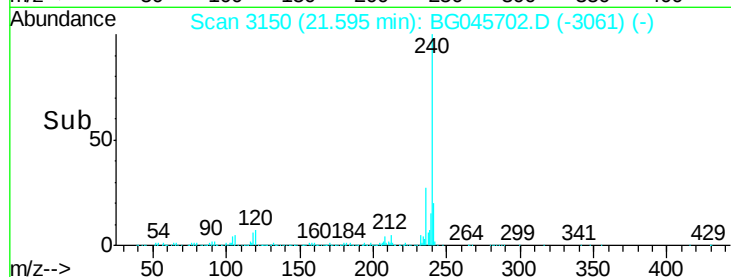
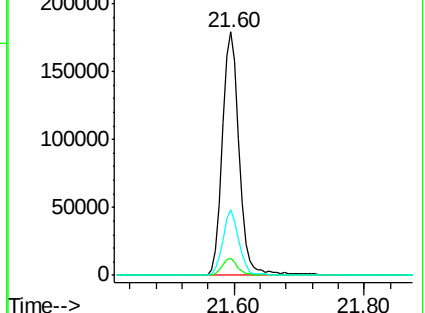
236 27.2 22.3 33.5



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: 71.065 ng

RT: 19.95 min Scan# 2870

Delta R.T. -0.01 min

Lab File: BG045702.D

Acq: 10 Jun 2020 21:58

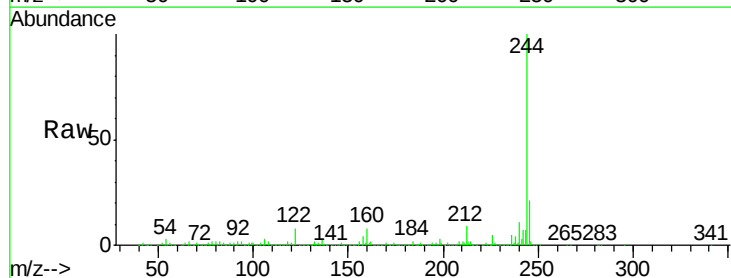
Tgt Ion:244 Resp: 979130

Ion Ratio Lower Upper

244 100

212 8.5 7.4 11.0

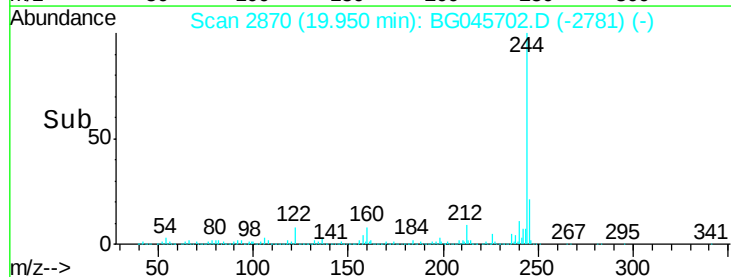
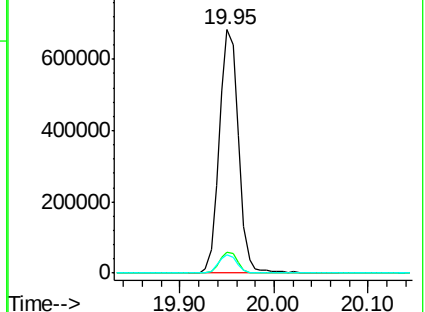
122 7.8 6.8 10.2

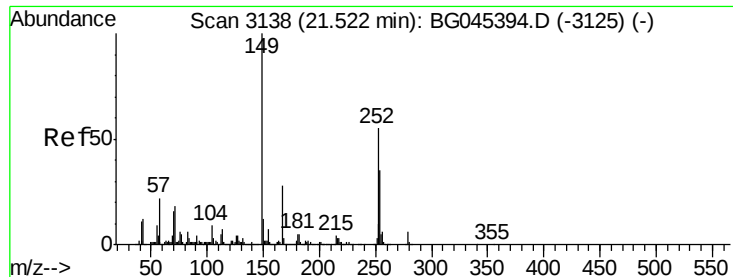


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 9.627 ng

RT: 21.49 min Scan# 3132

Delta R.T. -0.01 min

Lab File: BG045702.D

Acq: 10 Jun 2020 21:58

Instrument :

BNA\_G

ClientSampleId :

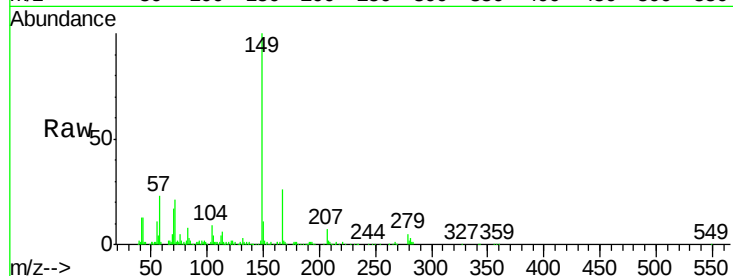
Tot Ion:149 Resp: 104635

Ion Ratio Lower Upper

149 100

167 26.1 22.2 33.2

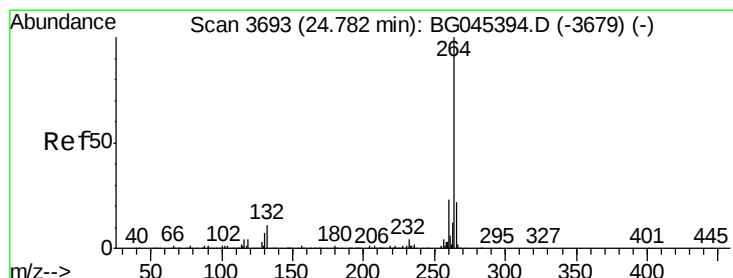
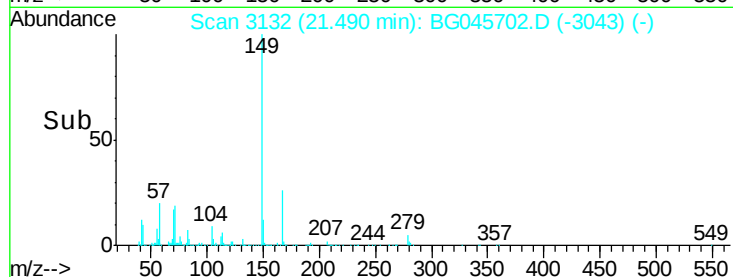
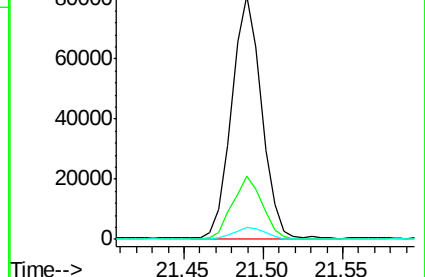
279 4.8 4.7 7.1



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.74 min Scan# 3685

Delta R.T. -0.01 min

Lab File: BG045702.D

Acq: 10 Jun 2020 21:58

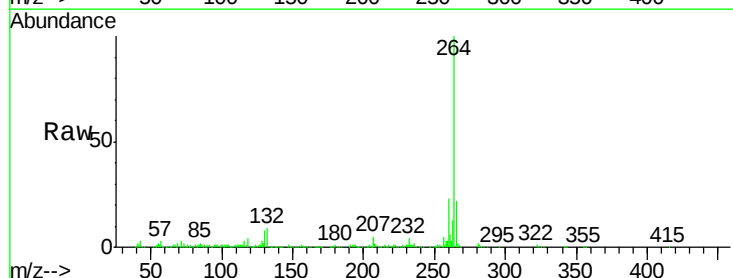
Tgt Ion:264 Resp: 349712

Ion Ratio Lower Upper

264 100

260 23.0 18.2 27.4

265 22.5 17.6 26.4



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

