

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060920\  
 Data File : BG045675.D  
 Acq On : 10 Jun 2020 1:15  
 Operator : CG/JU  
 Sample : PB129440TB  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB129440TB

Quant Time: Jun 10 02:21:34 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

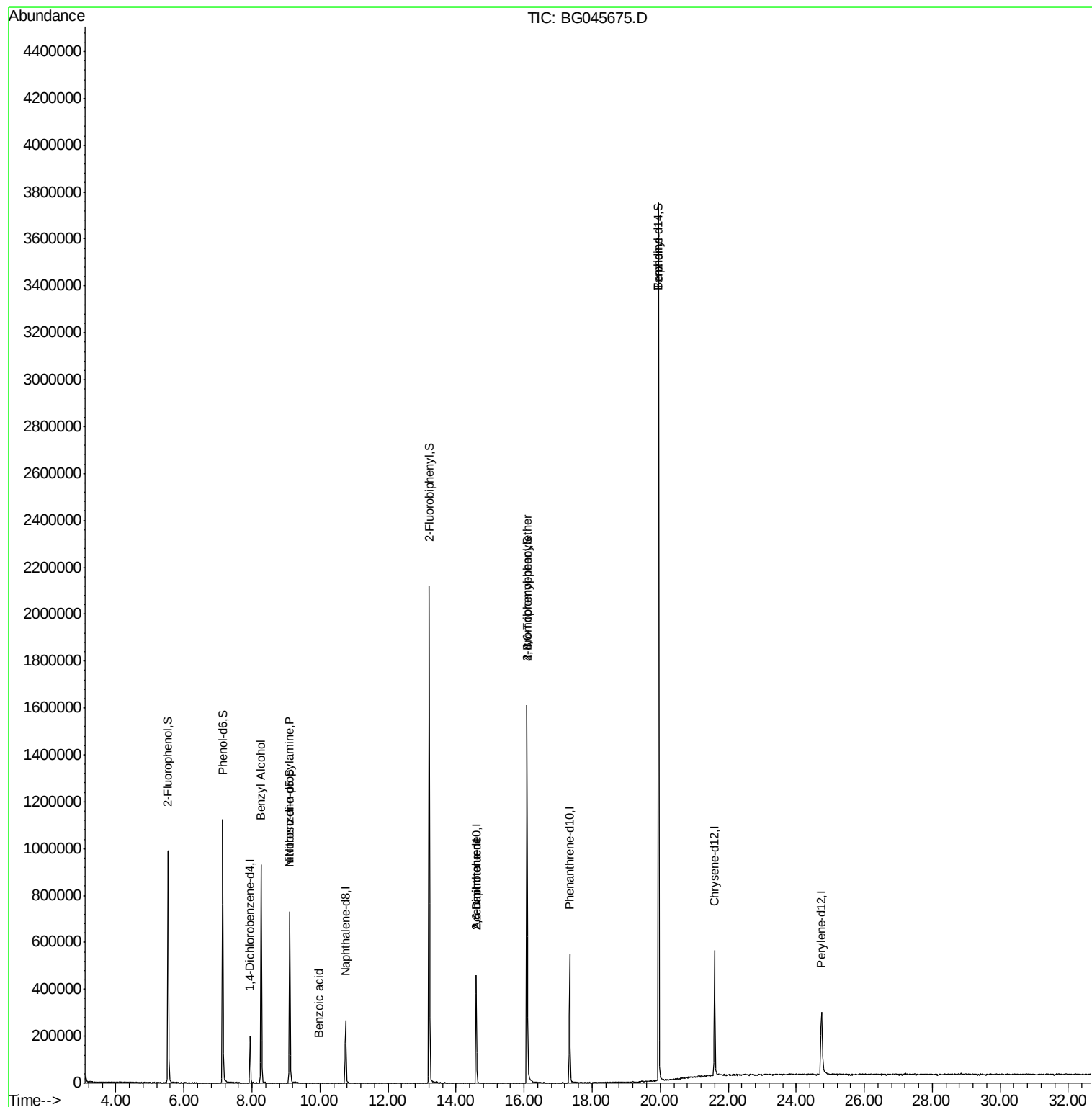
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.95  | 152  | 60616    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 10.75 | 136  | 243641   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 14.59 | 164  | 173058   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 17.34 | 188  | 382263   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 21.60 | 240  | 371174   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12               | 24.74 | 264  | 369982   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.54  | 112  | 500562   | 161.38 | ng    | 0.00     |
| 7) Phenol-d6                   | 7.14  | 99   | 731419   | 165.68 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 9.11  | 82   | 508748   | 113.87 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 16.09 | 330  | 353464   | 159.71 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 13.21 | 172  | 1177978  | 115.46 | ng    | 0.00     |
| 79) Terphenyl-d14              | 19.95 | 244  | 1884662  | 118.42 | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 15) Benzyl Alcohol             | 8.28  | 79   | 9634     | 2.642  | ng    | # 60     |
| 19) n-Nitroso-di-n-propylamine | 9.11  | 70   | 69798    | 22.864 | ng    | # 84     |
| 32) Benzoic acid               | 9.98  | 122  | 75       | 10.051 | ng    | # 1      |
| 51) 2,6-Dinitrotoluene         | 14.59 | 165  | 22017    | 8.219  | ng    | # 23     |
| 57) 2,4-Dinitrotoluene         | 14.59 | 165  | 22017    | 5.675  | ng    | # 23     |
| 67) 4-Bromophenyl-phenylether  | 16.08 | 248  | 24023    | 5.804  | ng    | # 1      |
| 77) Benzidine                  | 19.96 | 184  | 37856    | 3.631  | ng    | # 92     |

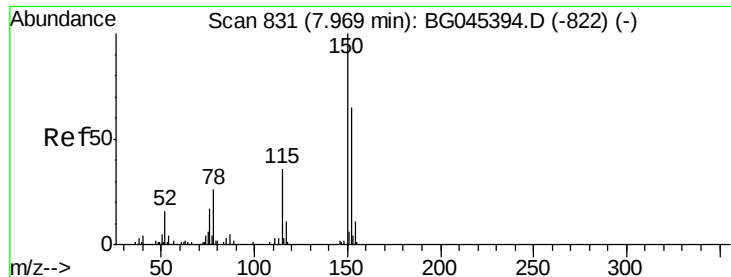
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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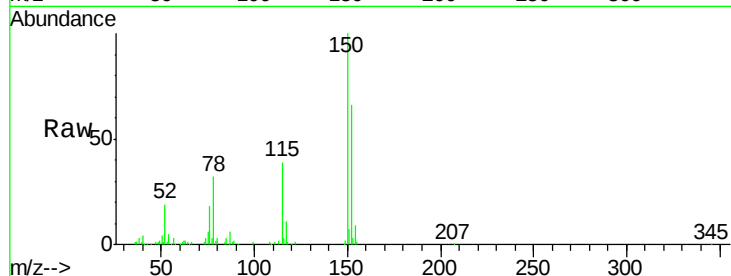


#1

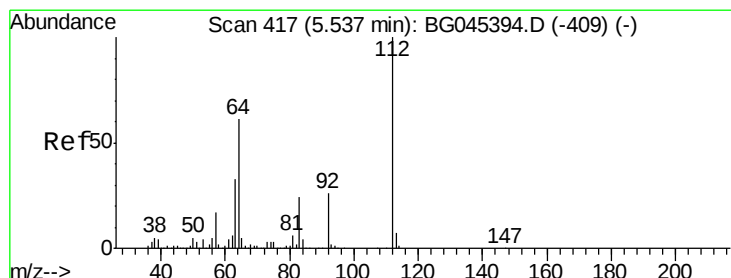
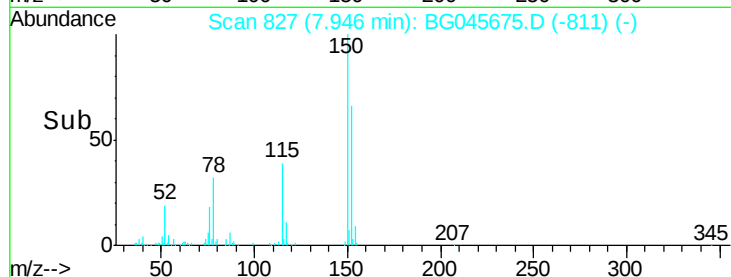
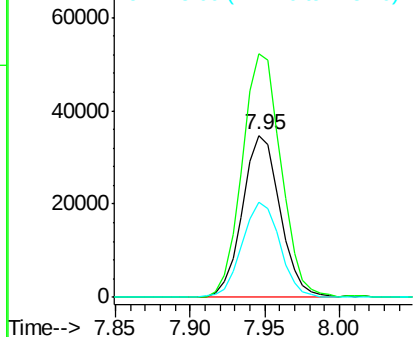
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.95 min Scan# 827  
Delta R.T. -0.01 min  
Lab File: BG045675.D  
Acq: 10 Jun 2020 1:15

Instrument :  
BNA\_G  
ClientSampleId :  
PB129440TB

Tot Ion:152 Resp: 60616  
Ion Ratio Lower Upper  
152 100  
150 150.5 122.4 183.6  
115 58.9 44.2 66.4



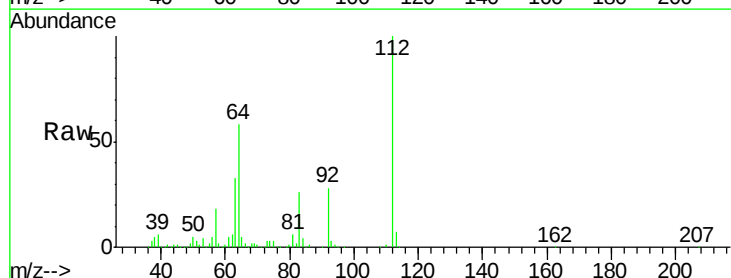
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



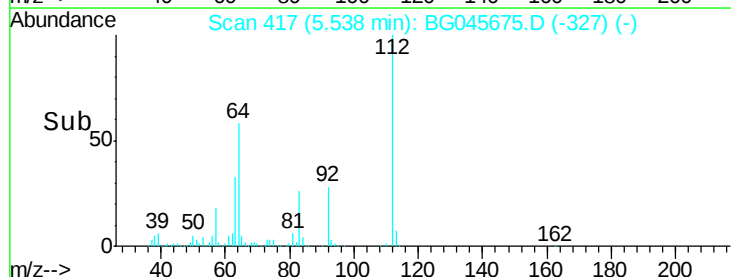
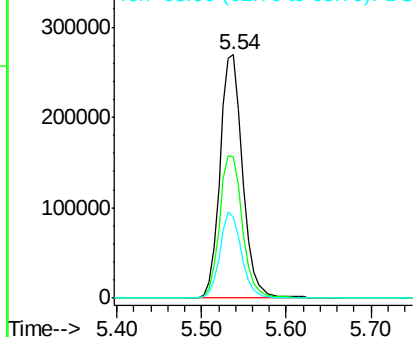
#5

2-Fluorophenol  
Concen: 161.384 ng  
RT: 5.54 min Scan# 417  
Delta R.T. 0.00 min  
Lab File: BG045675.D  
Acq: 10 Jun 2020 1:15

Tgt Ion:112 Resp: 500562  
Ion Ratio Lower Upper  
112 100  
64 57.9 48.6 72.8  
63 33.5 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: 165.681 ng

RT: 7.14 min Scan# 690

Delta R.T. -0.01 min

Lab File: BG045675.D

Acq: 10 Jun 2020 1:15

Instrument :

BNA\_G

ClientSampleId :

PB129440TB

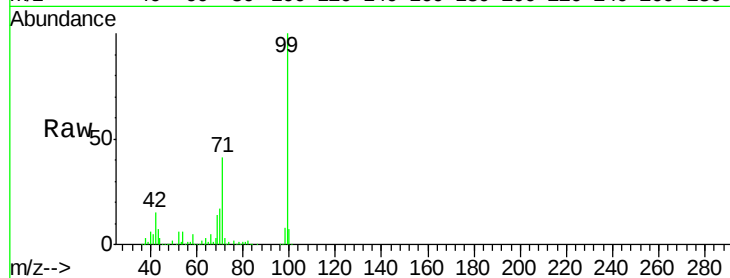
Tot Ion: 99 Resp: 731419

Ion Ratio Lower Upper

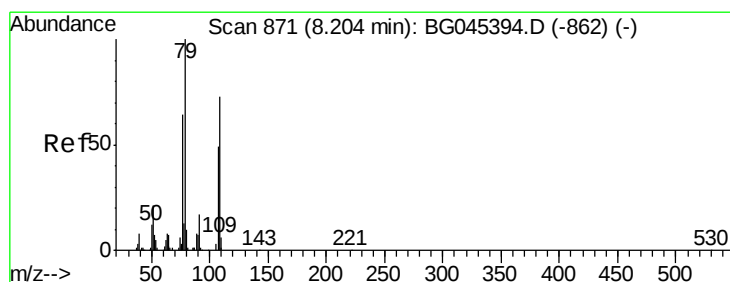
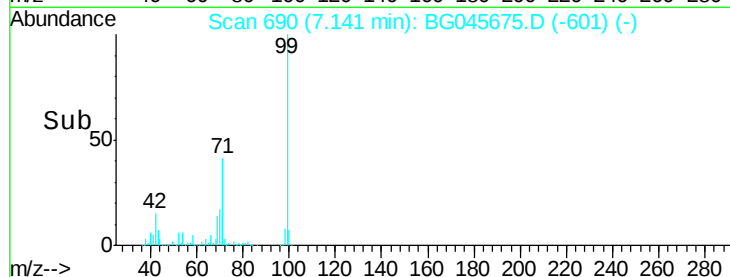
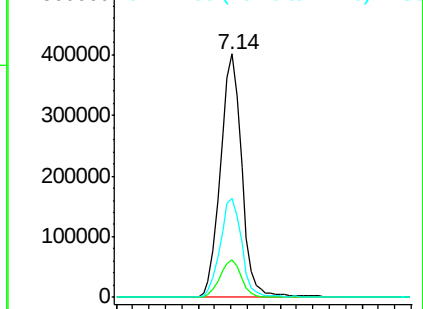
99 100

42 15.2 11.3 16.9

71 40.5 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



#15

Benzyl Alcohol

Concen: 2.642 ng

RT: 8.28 min Scan# 883

Delta R.T. 0.08 min

Lab File: BG045675.D

Acq: 10 Jun 2020 1:15

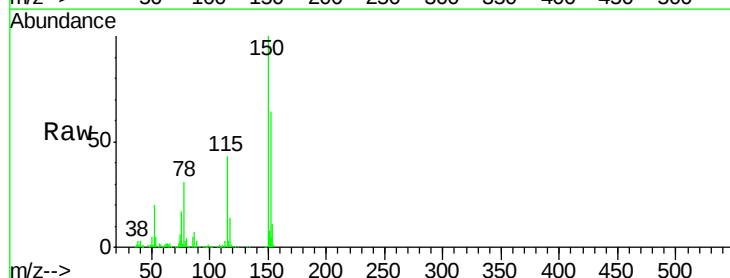
Tgt Ion: 79 Resp: 9634

Ion Ratio Lower Upper

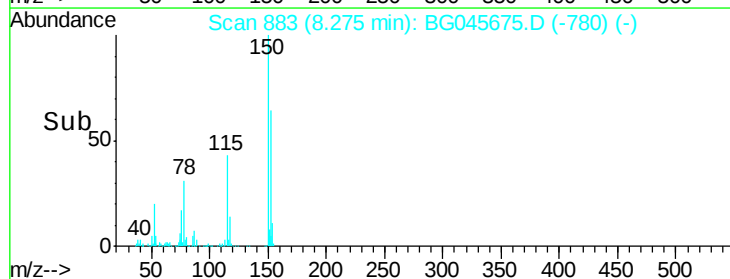
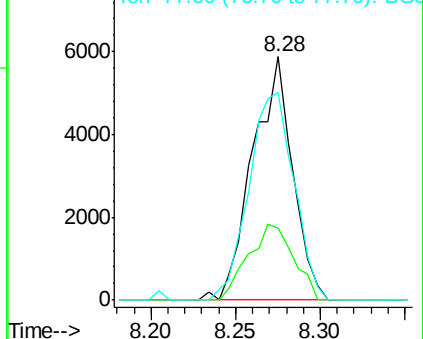
79 100

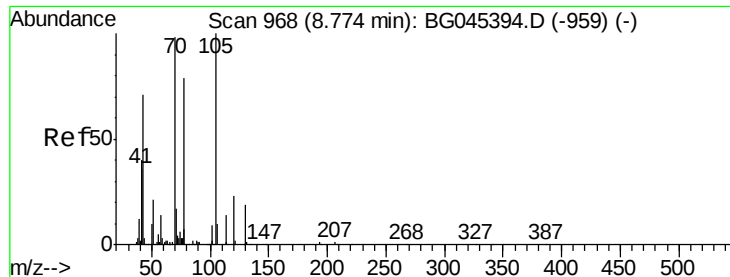
108 29.8 58.2 87.4#

77 85.4 51.0 76.4#



Abundance Ion 79.00 (78.70 to 79.70): BGC  
Ion 108.00 (107.70 to 108.70): BGC  
Ion 77.00 (76.70 to 77.70): BGC

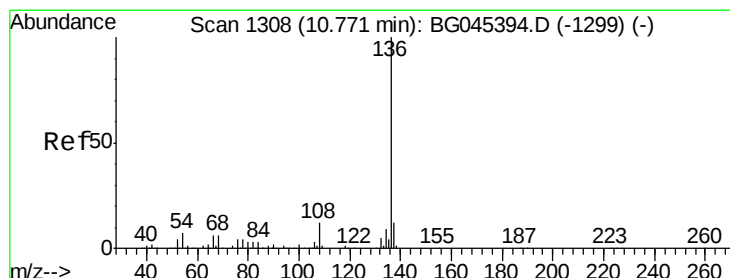
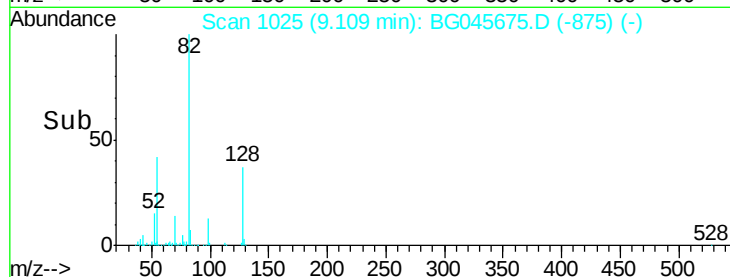
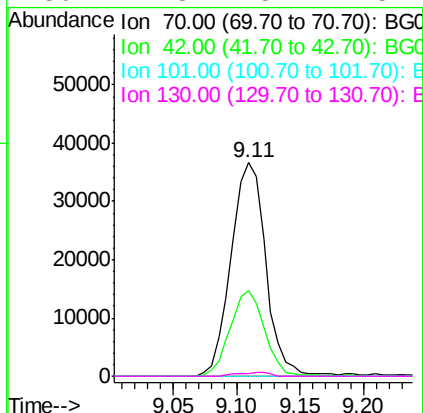
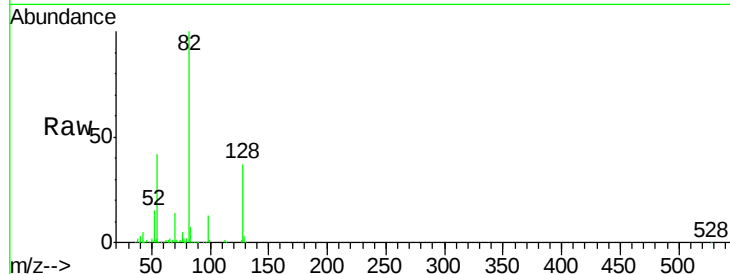




#19  
n-Nitroso-di-n-propylamine  
Concen: 22.864 ng  
RT: 9.11 min Scan# 1025  
Delta R.T. 0.35 min  
Lab File: BG045675.D  
Acq: 10 Jun 2020 1:15

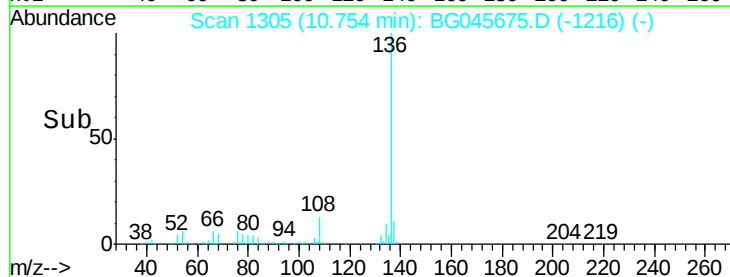
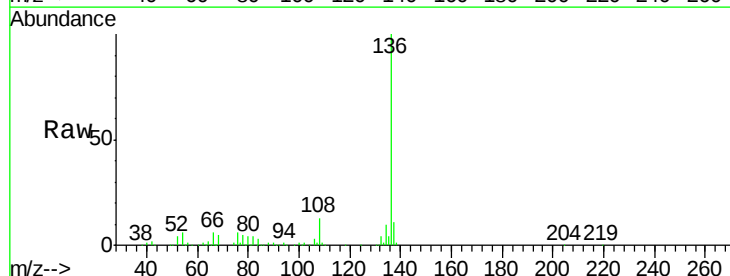
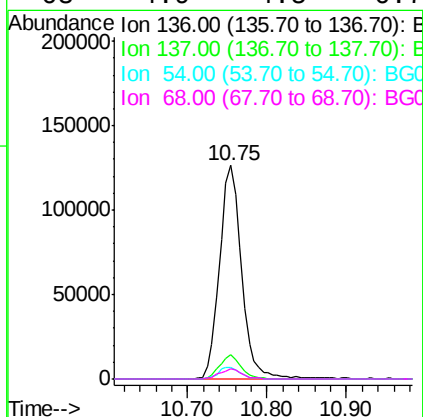
Instrument :  
BNA\_G  
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PB129440TB

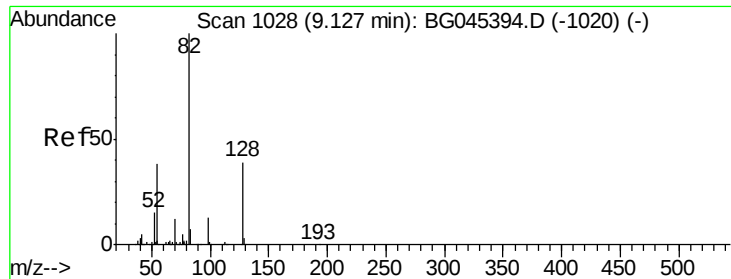
Tot Ion: 70 Resp: 69798  
Ion Ratio Lower Upper  
70 100  
42 40.1 33.2 49.8  
101 0.0 7.8 11.6#  
130 1.3 15.4 23.2#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.75 min Scan# 1305  
Delta R.T. -0.01 min  
Lab File: BG045675.D  
Acq: 10 Jun 2020 1:15

Tgt Ion: 136 Resp: 243641  
Ion Ratio Lower Upper  
136 100  
137 11.5 9.4 14.2  
54 5.6 5.8 8.6#  
68 4.9 4.5 6.7

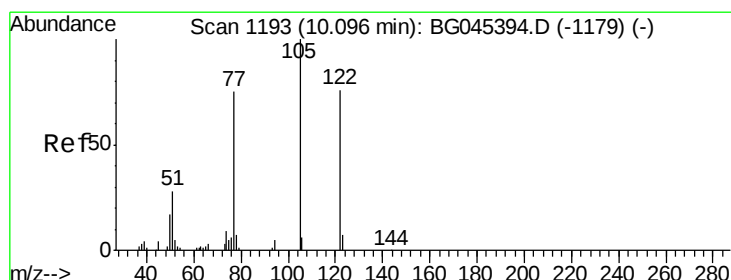
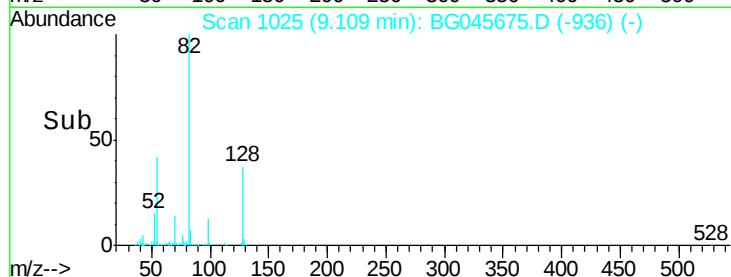
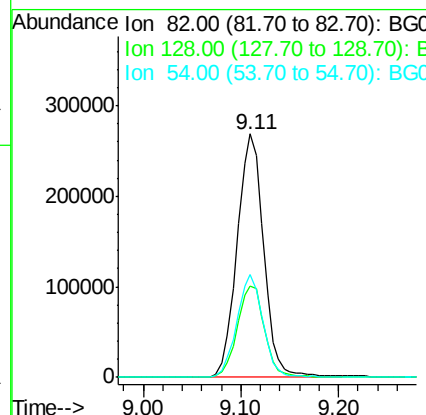
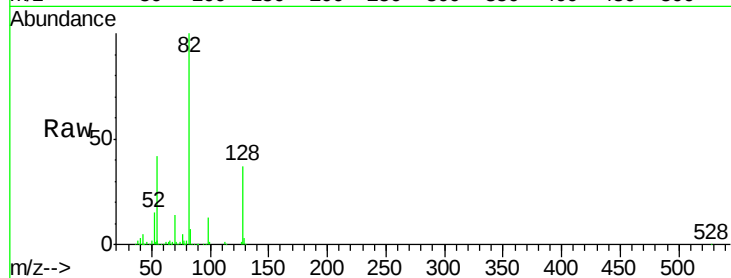




#23  
 Nitrobenzene-d5  
 Concen: 113.868 ng  
 RT: 9.11 min Scan# 1025  
 Delta R.T. -0.01 min  
 Lab File: BG045675.D  
 Acq: 10 Jun 2020 1:15

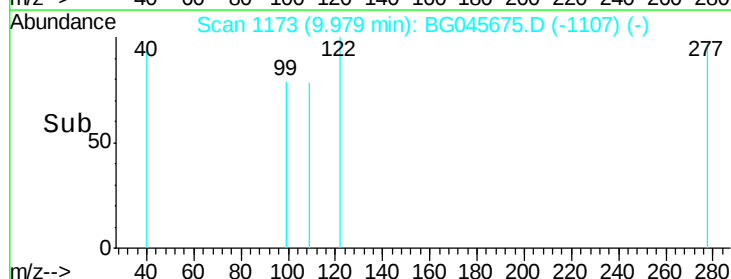
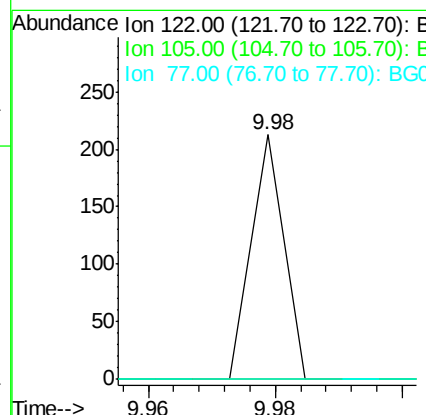
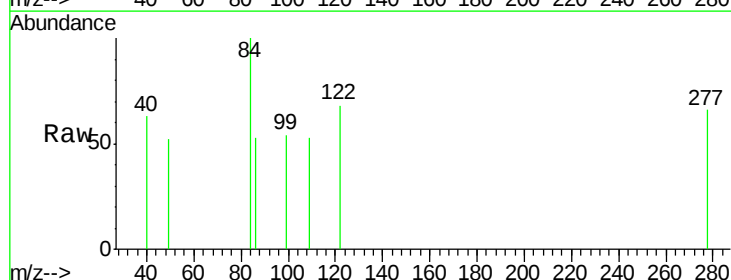
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB129440TB

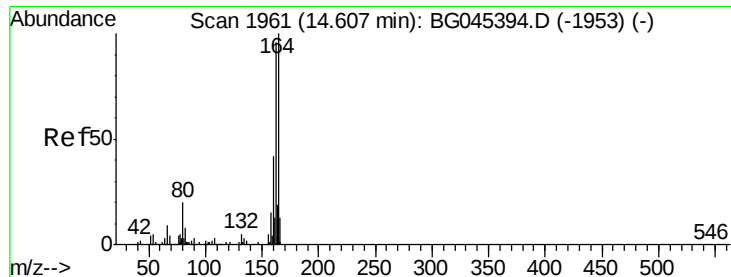
Tot Ion: 82 Resp: 508748  
 Ion Ratio Lower Upper  
 82 100  
 128 37.5 30.9 46.3  
 54 42.5 30.3 45.5



#32  
 Benzoic acid  
 Concen: 10.051 ng  
 RT: 9.98 min Scan# 1173  
 Delta R.T. -0.14 min  
 Lab File: BG045675.D  
 Acq: 10 Jun 2020 1:15

Tgt Ion: 122 Resp: 75  
 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# 1958

Delta R.T. -0.01 min

Lab File: BG045675.D

Acq: 10 Jun 2020 1:15

Instrument :

BNA\_G

ClientSampleId :

PB129440TB

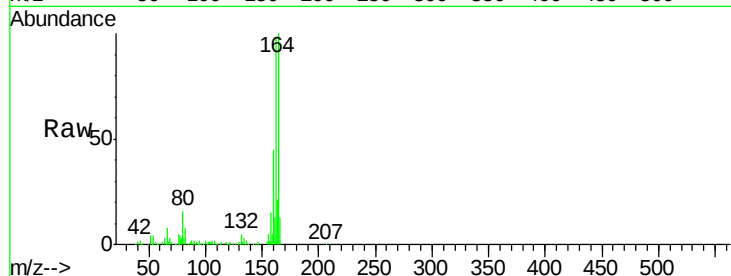
Tot Ion:164 Resp: 173058

Ion Ratio Lower Upper

164 100

162 98.5 76.9 115.3

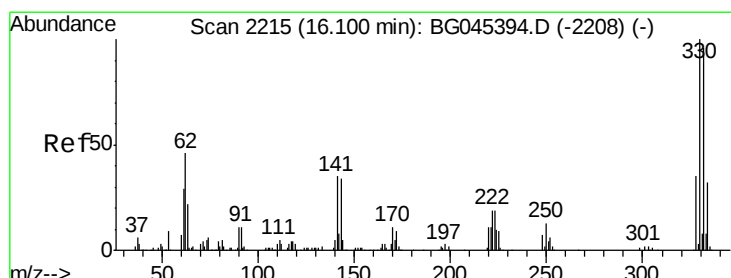
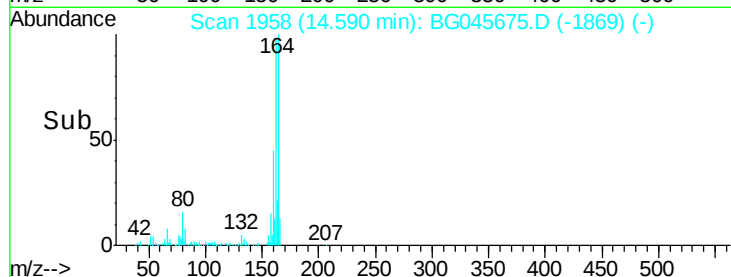
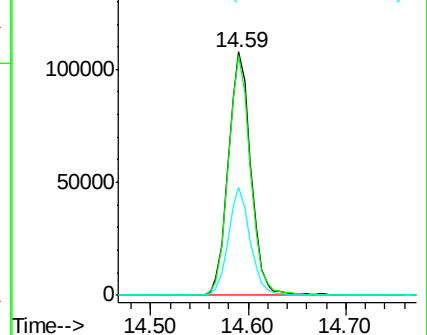
160 44.5 33.8 50.8



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: 159.706 ng

RT: 16.09 min Scan# 2213

Delta R.T. -0.01 min

Lab File: BG045675.D

Acq: 10 Jun 2020 1:15

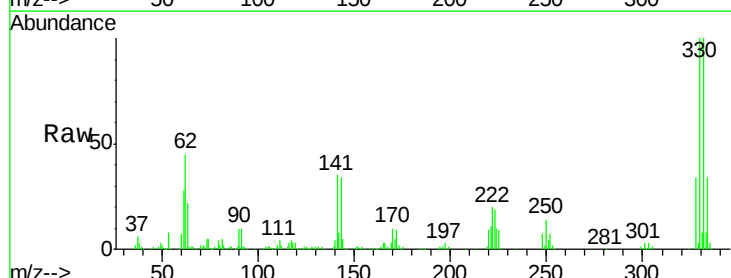
Tgt Ion:330 Resp: 353464

Ion Ratio Lower Upper

330 100

332 98.9 78.2 117.4

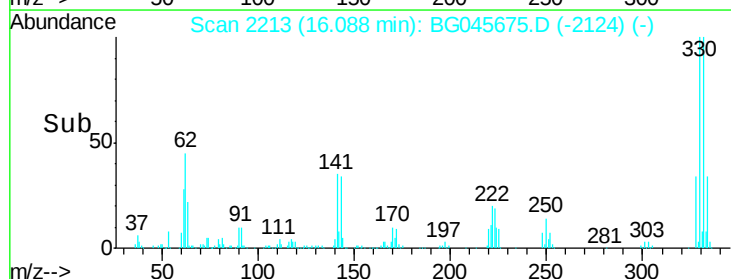
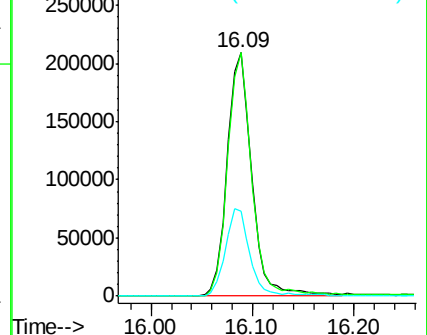
141 35.2 28.2 42.4

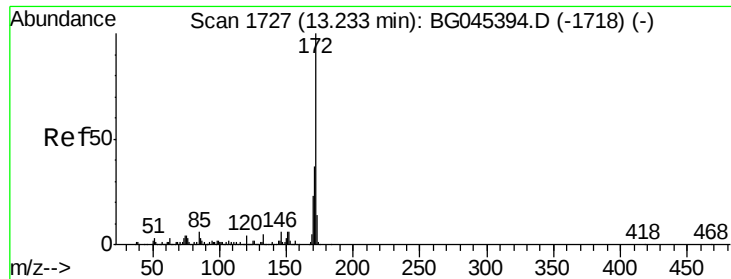


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

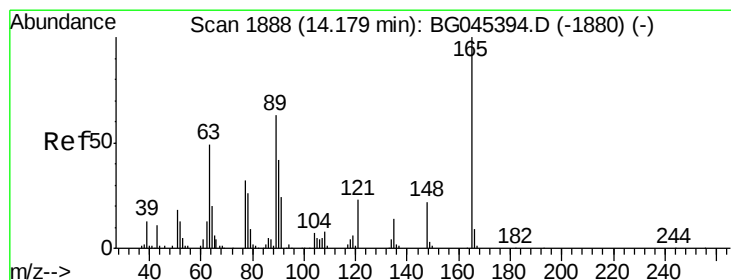
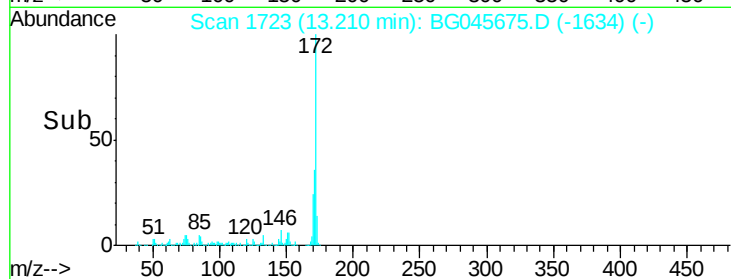
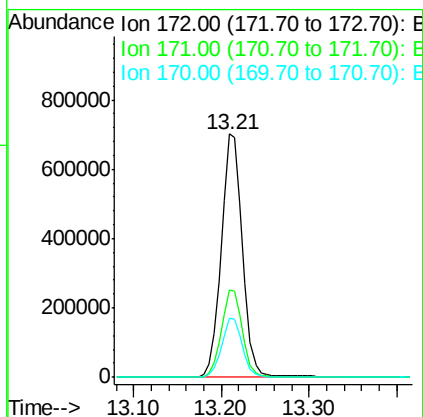
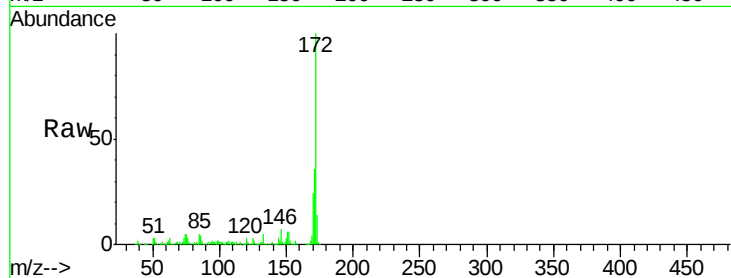




#45  
2-Fluorobiphenyl  
Concen: 115.458 ng  
RT: 13.21 min Scan# 1723  
Delta R.T. -0.01 min  
Lab File: BG045675.D  
Acq: 10 Jun 2020 1:15

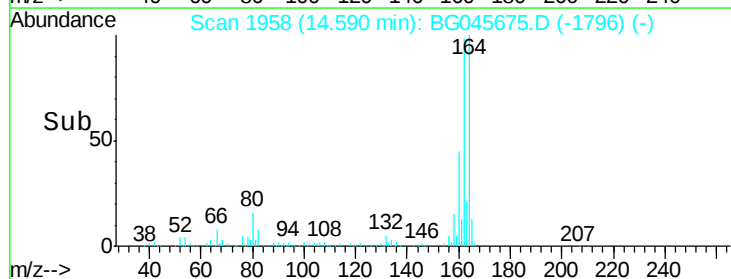
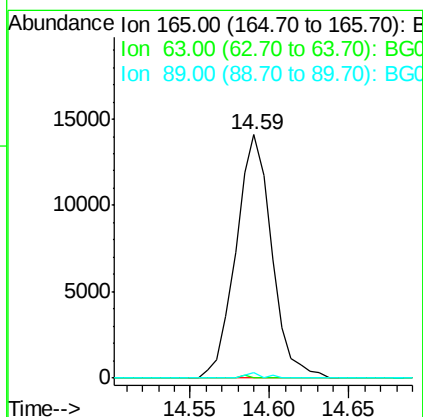
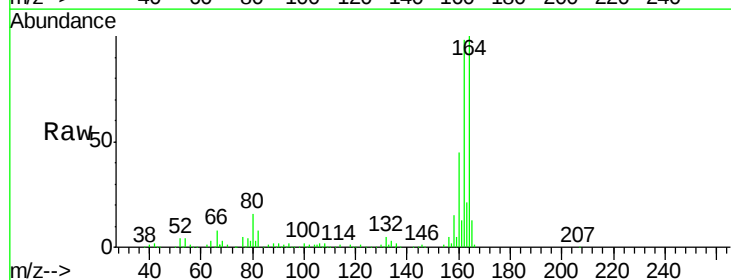
Instrument :  
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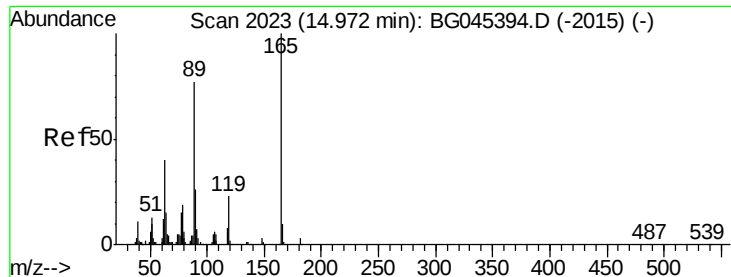
Tot Ion:172 Resp: 1177978  
Ion Ratio Lower Upper  
172 100  
171 36.1 29.5 44.3  
170 24.2 18.5 27.7



#51  
2,6-Dinitrotoluene  
Concen: 8.219 ng  
RT: 14.59 min Scan# 1958  
Delta R.T. 0.42 min  
Lab File: BG045675.D  
Acq: 10 Jun 2020 1:15

Tgt Ion:165 Resp: 22017  
Ion Ratio Lower Upper  
165 100  
63 0.0 45.0 67.4#  
89 2.4 50.2 75.4#

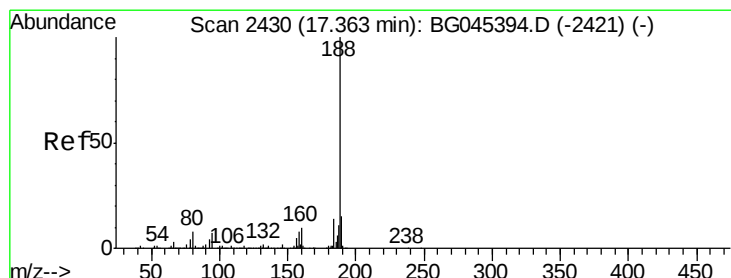
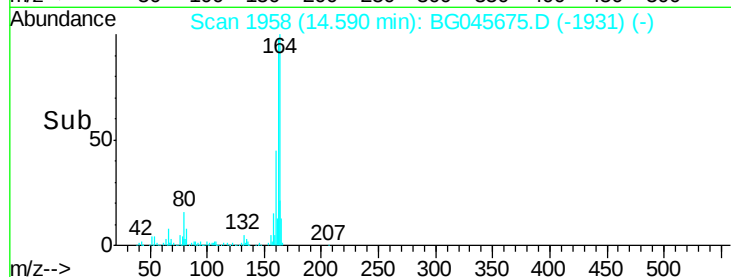
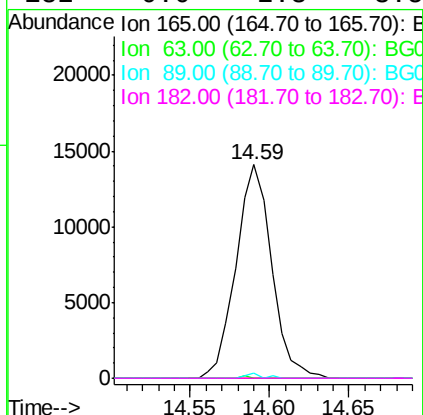
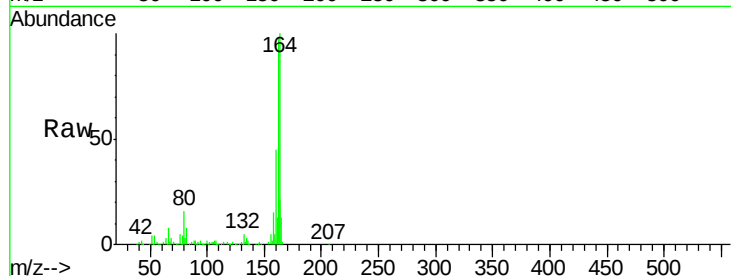




#57  
2,4-Dinitrotoluene  
Concen: 5.675 ng  
RT: 14.59 min Scan# 1958  
Delta R.T. -0.37 min  
Lab File: BG045675.D  
Acq: 10 Jun 2020 1:15

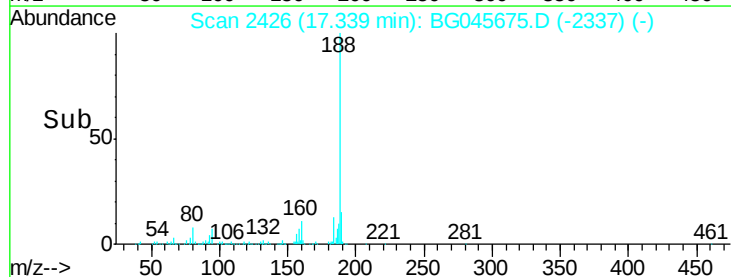
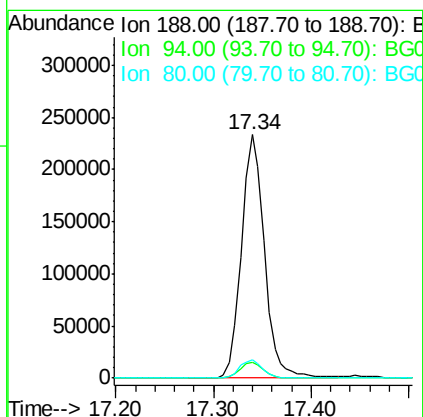
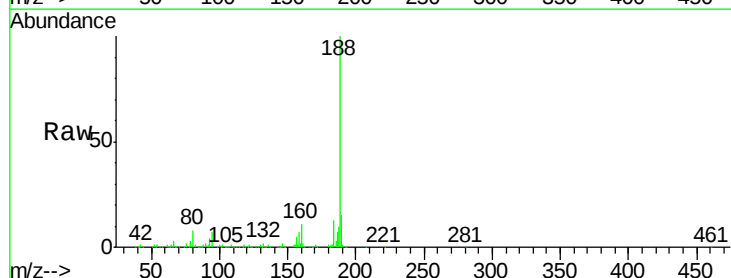
Instrument :  
BNA\_G  
ClientSampleId :  
PB129440TB

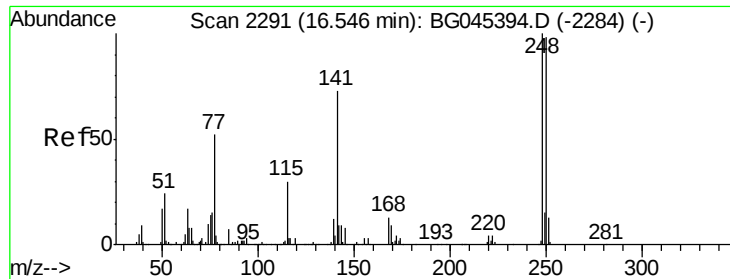
Tot Ion:165 Resp: 22017  
Ion Ratio Lower Upper  
165 100  
63 0.0 32.5 48.7#  
89 2.4 61.8 92.6#  
182 0.0 2.3 3.5#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.34 min Scan# 2426  
Delta R.T. -0.01 min  
Lab File: BG045675.D  
Acq: 10 Jun 2020 1:15

Tgt Ion:188 Resp: 382263  
Ion Ratio Lower Upper  
188 100  
94 6.7 5.5 8.3  
80 7.6 6.6 10.0

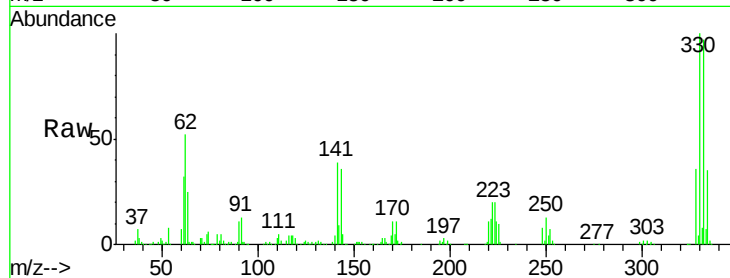




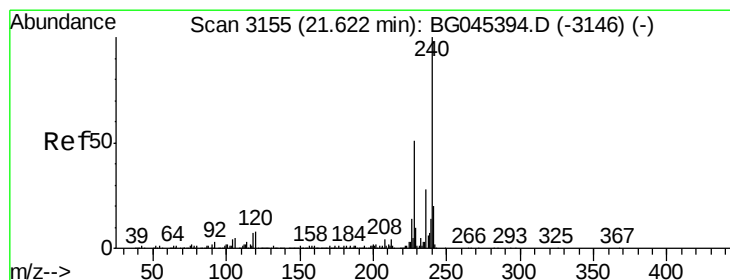
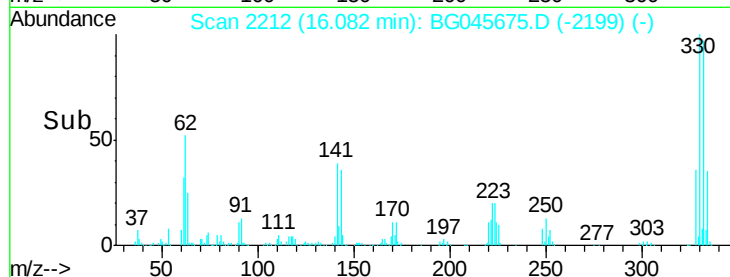
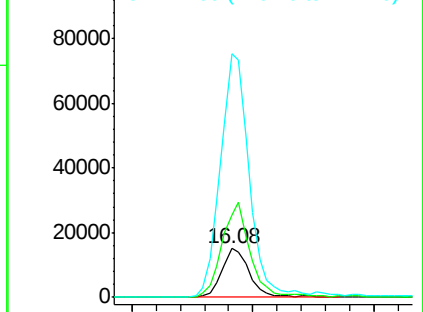
#67  
 4-Bromophenyl-phenylether  
 Concen: 5.804 ng  
 RT: 16.08 min Scan# 2212  
 Delta R.T. -0.45 min  
 Lab File: BG045675.D  
 Acq: 10 Jun 2020 1:15

Instrument :  
 BNA\_G  
 ClientSampleID :  
 PB129440TB

Tot Ion:248 Resp: 24023  
 Ion Ratio Lower Upper  
 248 100  
 250 171.0 78.6 117.8#  
 141 502.5 58.2 87.2#

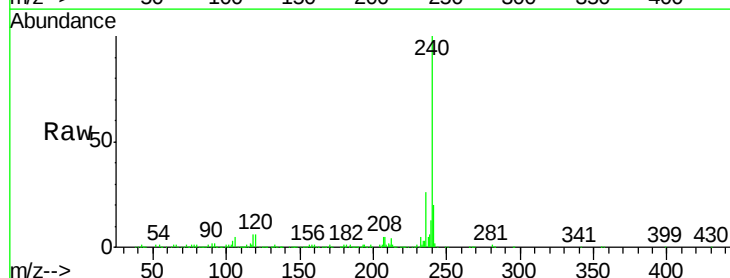


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

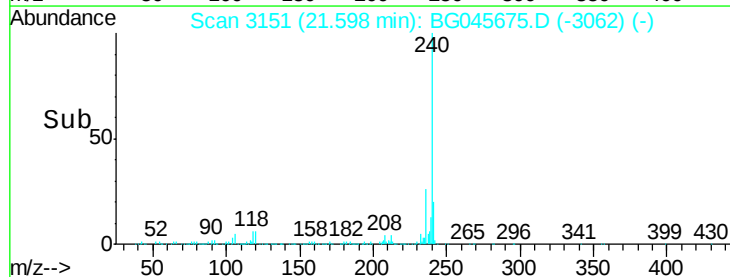
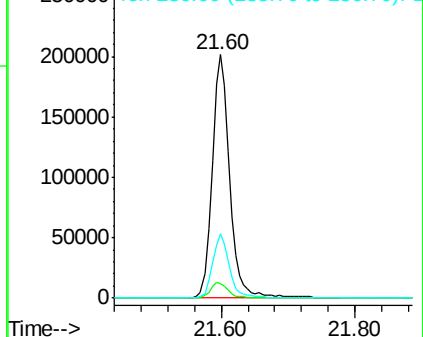


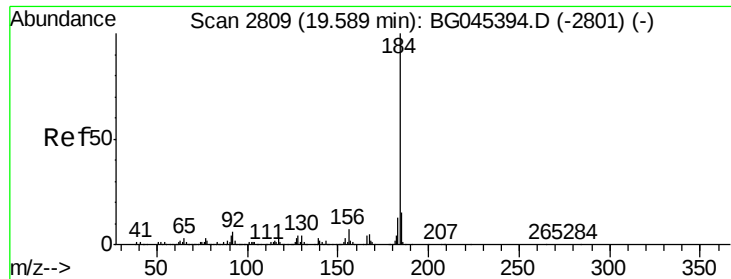
#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 21.60 min Scan# 3151  
 Delta R.T. -0.01 min  
 Lab File: BG045675.D  
 Acq: 10 Jun 2020 1:15

Tgt Ion:240 Resp: 371174  
 Ion Ratio Lower Upper  
 240 100  
 120 6.2 6.1 9.1  
 236 26.4 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





#77

Benzidine

Concen: 3.631 ng

RT: 19.96 min Scan# 2872

Delta R.T. 0.38 min

Lab File: BG045675.D

Acq: 10 Jun 2020 1:15

Instrument :

BNA\_G

ClientSampleId :

PB129440TB

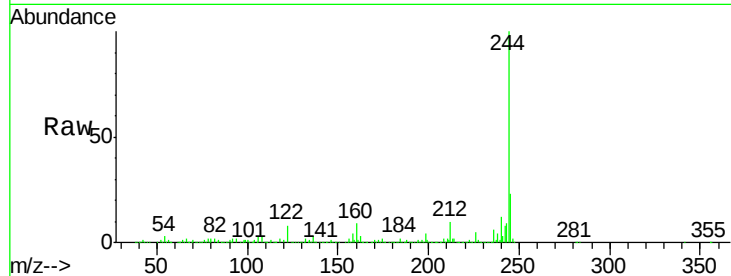
Tot Ion:184 Resp: 37856

Ion Ratio Lower Upper

184 100

185 14.8 11.7 17.5

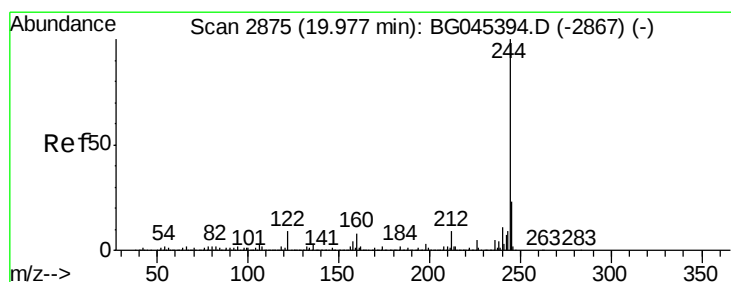
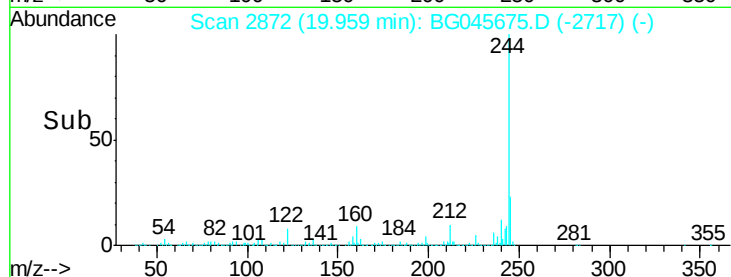
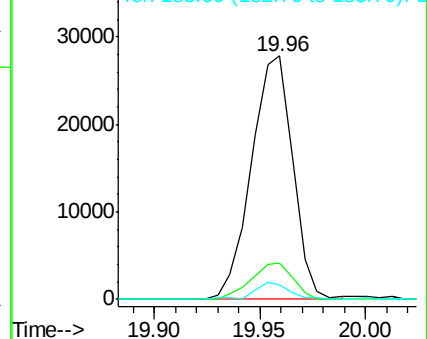
183 6.2 10.2 15.4#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 118.424 ng

RT: 19.95 min Scan# 2871

Delta R.T. -0.01 min

Lab File: BG045675.D

Acq: 10 Jun 2020 1:15

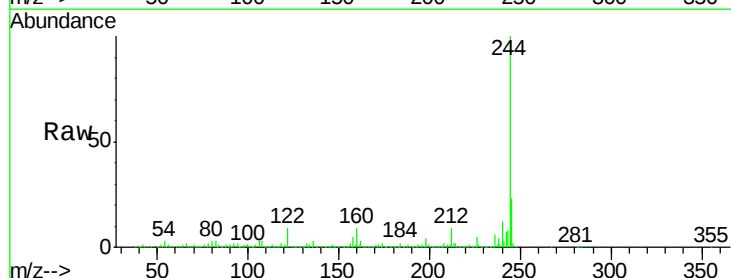
Tgt Ion:244 Resp: 1884662

Ion Ratio Lower Upper

244 100

212 9.5 7.4 11.0

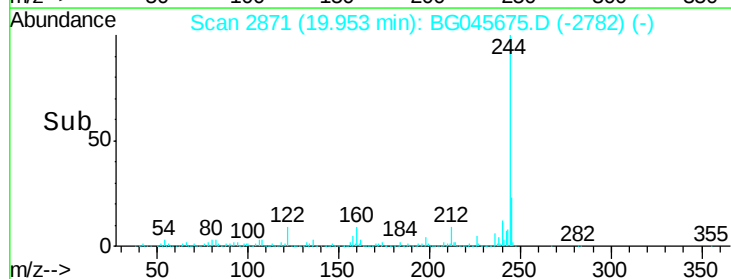
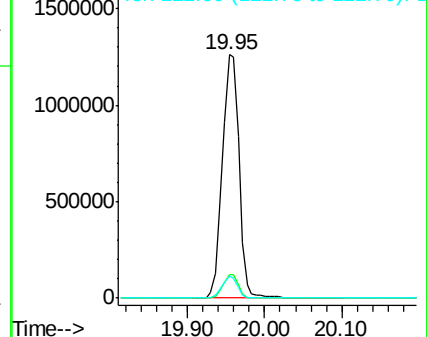
122 8.9 6.8 10.2

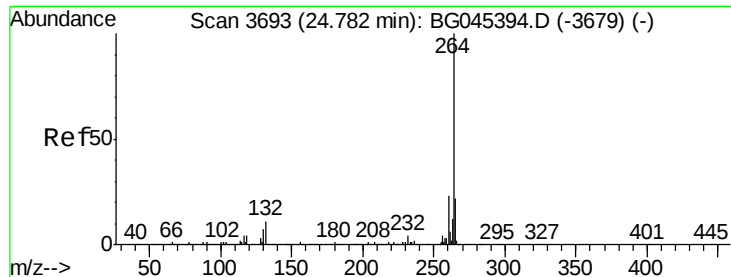


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

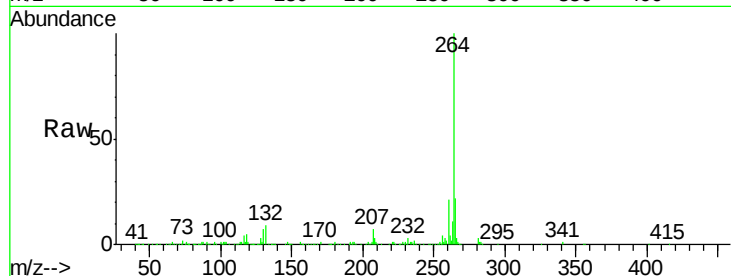




#87  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 24.74 min Scan# 3686  
 Delta R.T. -0.01 min  
 Lab File: BG045675.D  
 Acq: 10 Jun 2020 1:15

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB129440TB

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 21.4  | 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

