

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082620\  
 Data File : BG046456.D  
 Acq On : 26 Aug 2020 16:30  
 Operator : CG/JU  
 Sample : PB131215BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB131215BL

Quant Time: Aug 26 17:24:45 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 25 18:00:34 2020  
 Response via : Initial Calibration

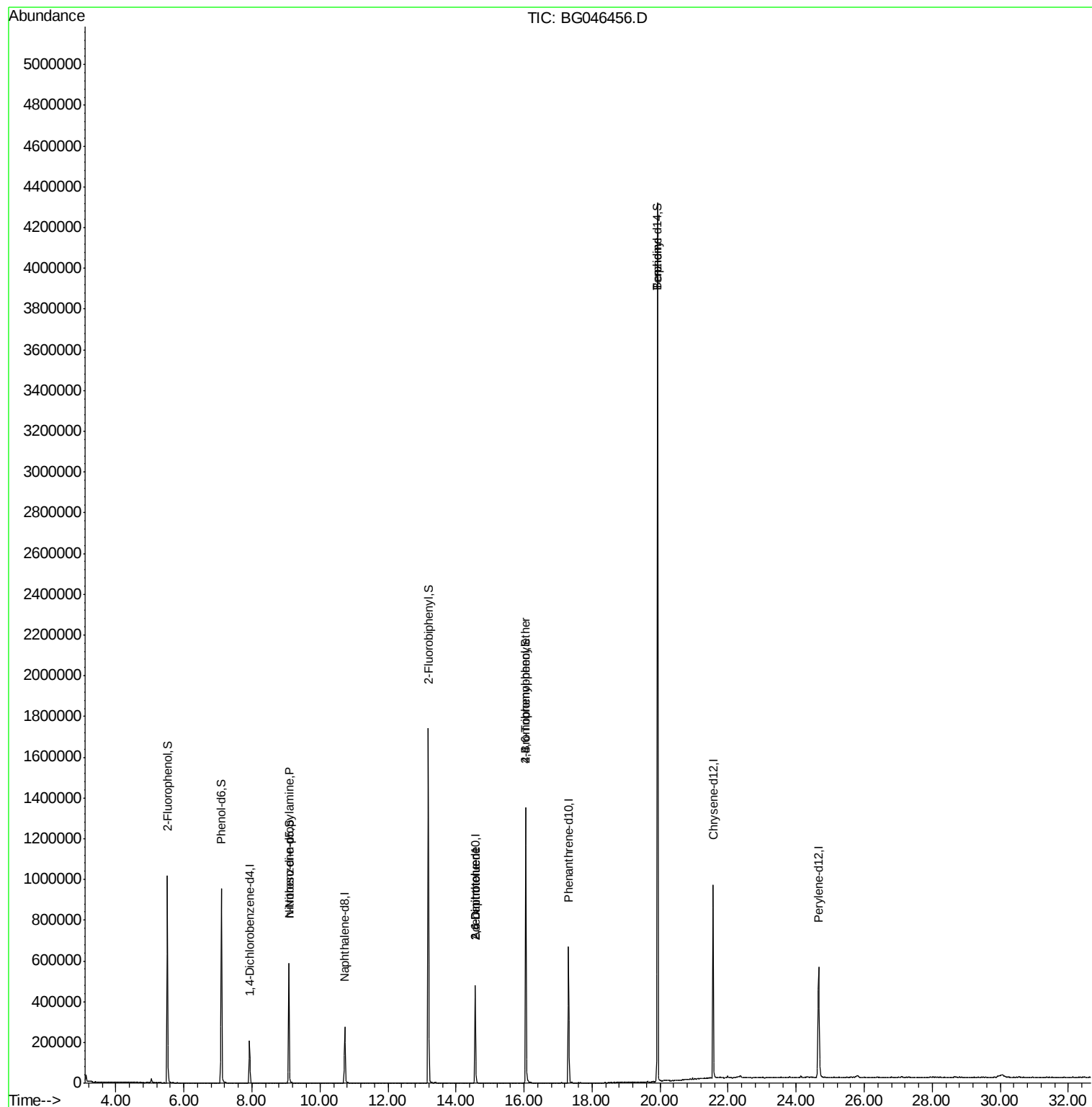
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.93  | 152  | 65412    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 10.73 | 136  | 264487   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 14.56 | 164  | 176219   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 17.31 | 188  | 458201   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 21.56 | 240  | 592153   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 24.66 | 264  | 591804   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.52  | 112  | 480944   | 130.23 | ng    | 0.00     |
| 7) Phenol-d6                   | 7.10  | 99   | 610191   | 116.55 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 9.09  | 82   | 384644   | 83.12  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 16.05 | 330  | 270534   | 113.31 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 13.18 | 172  | 993831   | 86.09  | ng    | 0.00     |
| 79) Terphenyl-d14              | 19.92 | 244  | 1919984  | 69.00  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 9.09  | 70   | 48379    | 15.449 | ng    | # 78     |
| 51) 2,6-Dinitrotoluene         | 14.56 | 165  | 23037    | 7.666  | ng    | # 33     |
| 57) 2,4-Dinitrotoluene         | 14.56 | 165  | 23037    | 5.376  | ng    | # 33     |
| 67) 4-Bromophenyl-phenylether  | 16.05 | 248  | 20639    | 3.861  | ng    | # 1      |
| 77) Benzidine                  | 19.92 | 184  | 30373    | 2.207  | ng    | # 93     |

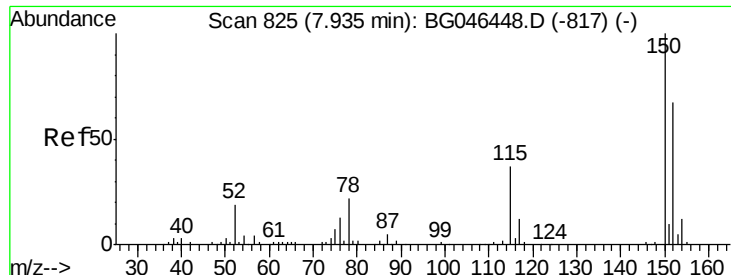
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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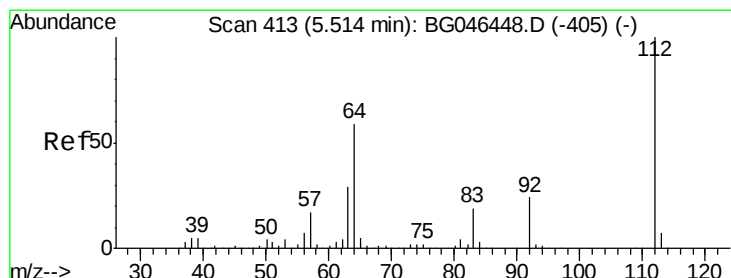
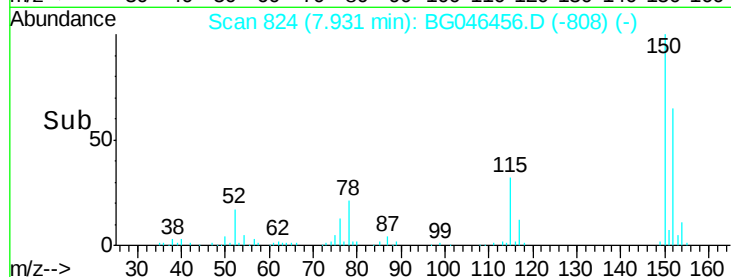
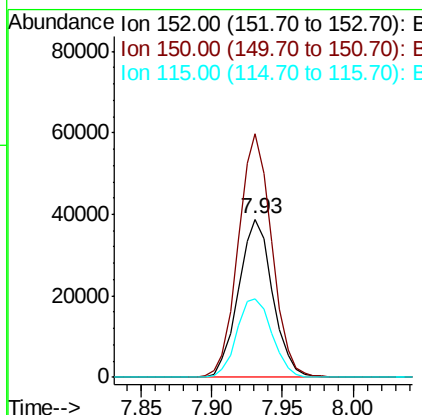
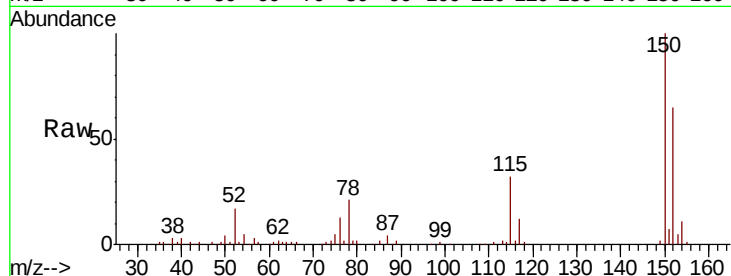




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.93 min Scan# 824  
 Delta R.T. -0.00 min  
 Lab File: BG046456.D  
 Acq: 26 Aug 2020 16:30

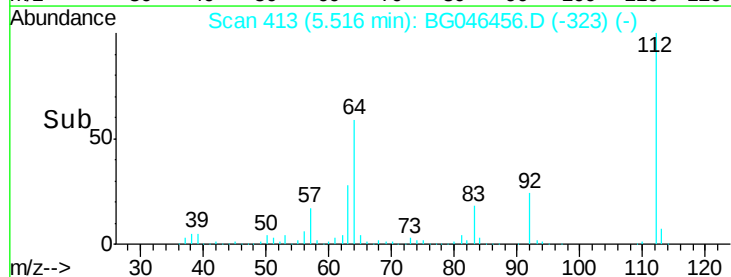
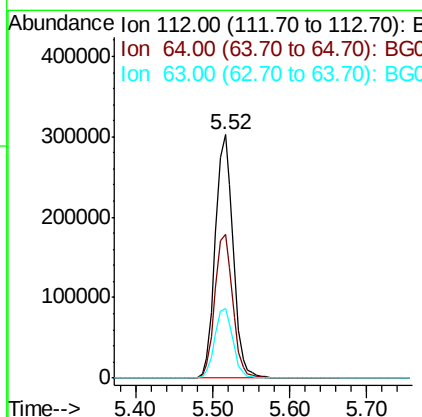
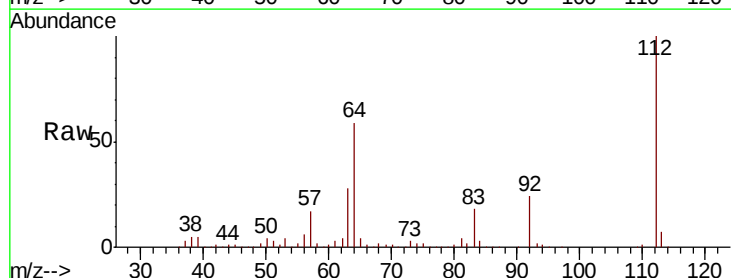
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB131215BL

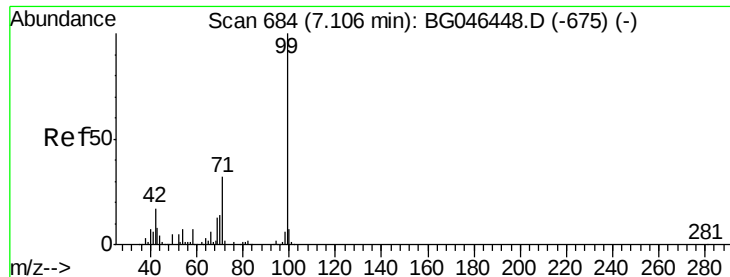
Tot Ion:152 Resp: 65412  
 Ion Ratio Lower Upper  
 152 100  
 150 153.9 119.5 179.3  
 115 49.4 44.3 66.5



#5  
 2-Fluorophenol  
 Concen: 130.227 ng  
 RT: 5.52 min Scan# 413  
 Delta R.T. 0.00 min  
 Lab File: BG046456.D  
 Acq: 26 Aug 2020 16:30

Tgt Ion:112 Resp: 480944  
 Ion Ratio Lower Upper  
 112 100  
 64 58.9 47.0 70.6  
 63 28.4 23.5 35.3





#7

Phenol-d6

Concen: 116.551 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.00 min

Lab File: BG046456.D

Acq: 26 Aug 2020 16:30

Instrument :

BNA\_G

ClientSampleId :

PB131215BL

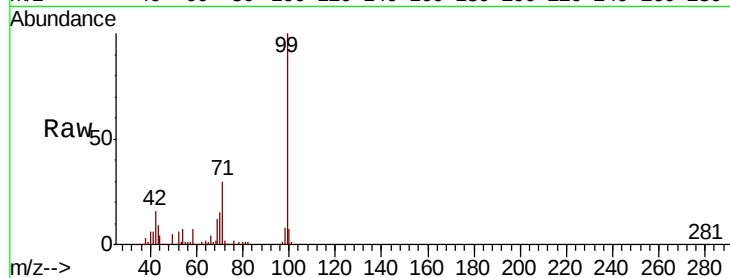
Tot Ion: 99 Resp: 610191

Ion Ratio Lower Upper

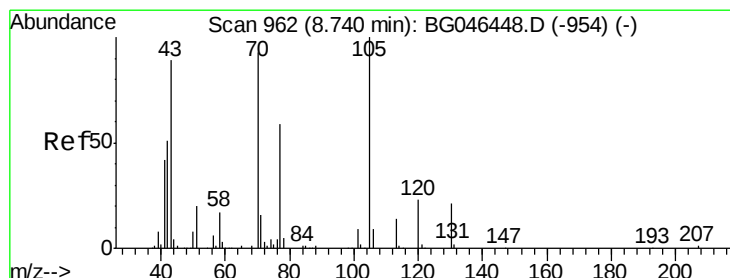
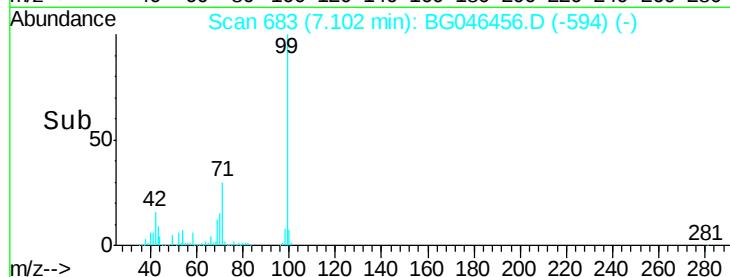
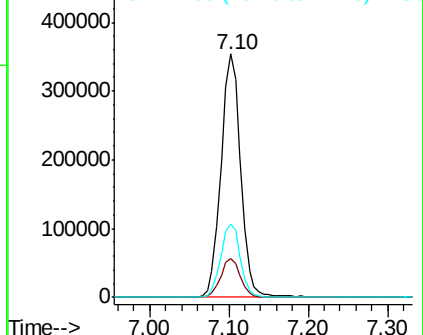
99 100

42 16.0 13.3 19.9

71 30.1 25.3 37.9



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: 15.449 ng

RT: 9.09 min Scan# 1021

Delta R.T. 0.35 min

Lab File: BG046456.D

Acq: 26 Aug 2020 16:30

Tgt Ion: 70 Resp: 48379

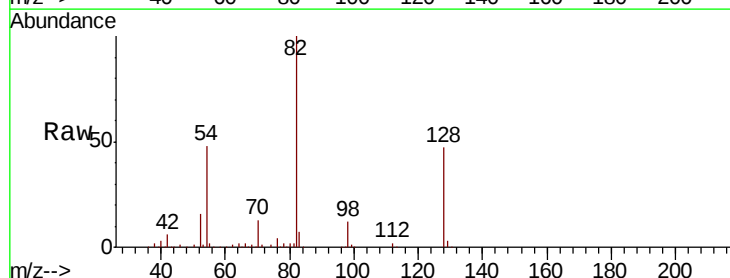
Ion Ratio Lower Upper

70 100

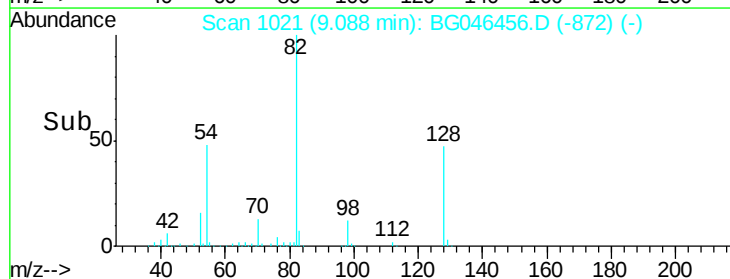
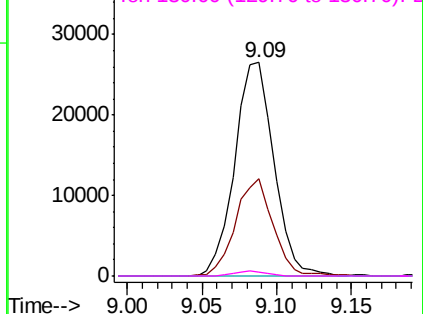
42 45.8 44.2 66.2

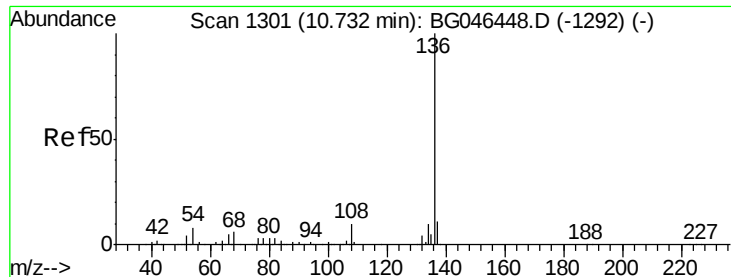
101 0.0 7.8 11.8#

130 1.9 18.2 27.4#



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

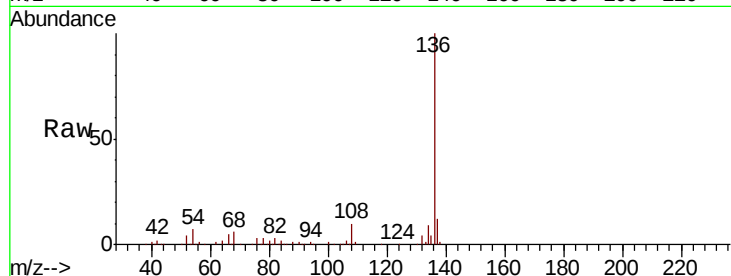




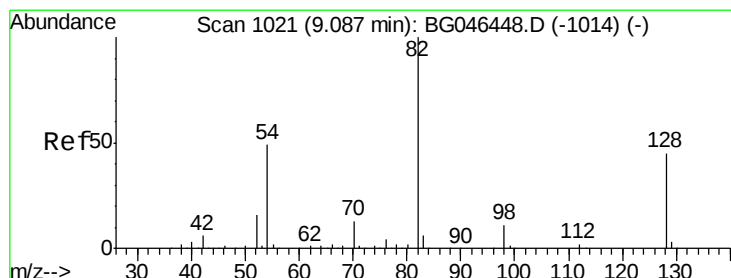
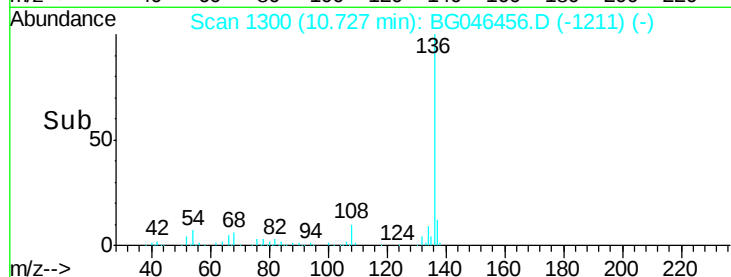
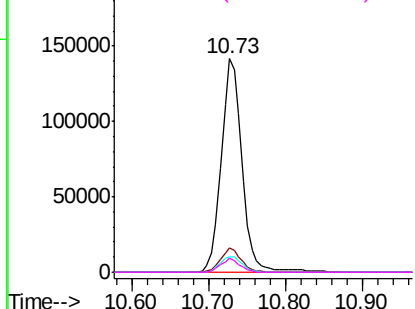
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.73 min Scan# 1300  
Delta R.T. -0.00 min  
Lab File: BG046456.D  
Acq: 26 Aug 2020 16:30

Instrument :  
BNA\_G  
ClientSampleId :  
PB131215BL

Tot Ion:136 Resp: 264487  
Ion Ratio Lower Upper  
136 100  
137 11.5 8.8 13.2  
54 7.4 6.1 9.1  
68 6.5 4.8 7.2

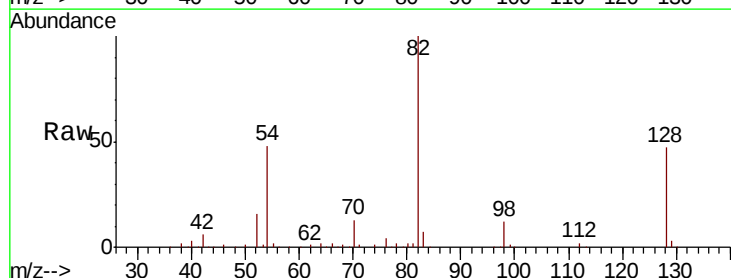


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

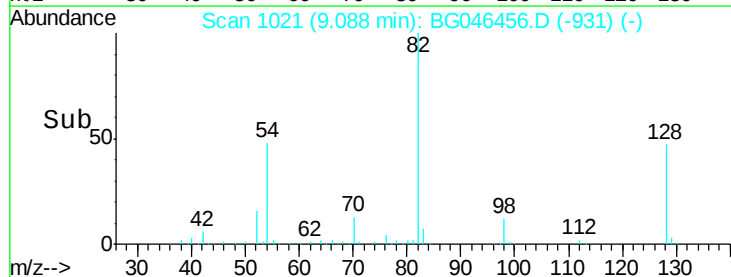
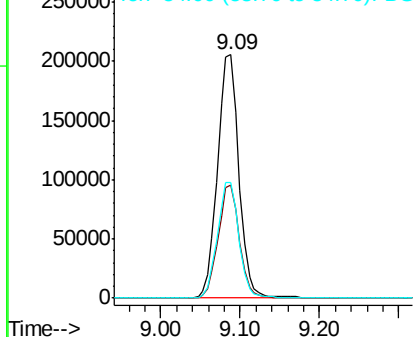


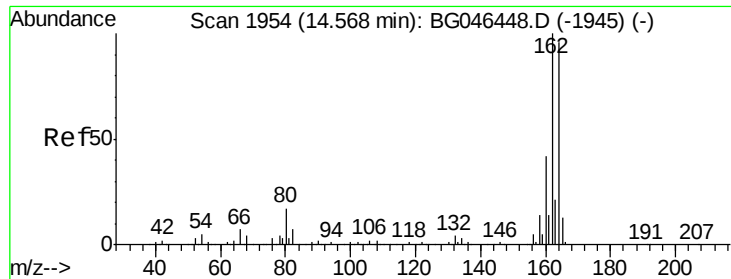
#23  
Nitrobenzene-d5  
Concen: 83.121 ng  
RT: 9.09 min Scan# 1021  
Delta R.T. 0.00 min  
Lab File: BG046456.D  
Acq: 26 Aug 2020 16:30

Tgt Ion: 82 Resp: 384644  
Ion Ratio Lower Upper  
82 100  
128 46.5 35.7 53.5  
54 47.7 39.4 59.0



Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.56 min Scan# 1953

Delta R.T. -0.00 min

Lab File: BG046456.D

Acq: 26 Aug 2020 16:30

Instrument :

BNA\_G

ClientSampleId :

PB131215BL

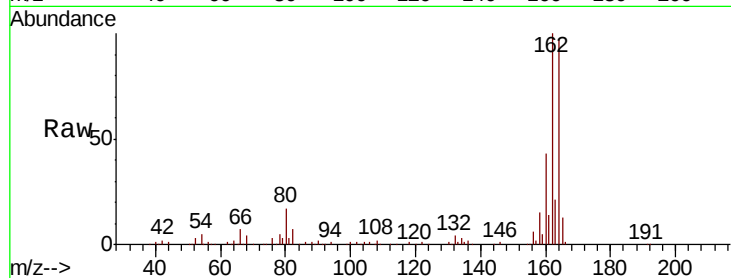
Tot Ion:164 Resp: 176219

Ion Ratio Lower Upper

164 100

162 103.2 83.3 124.9

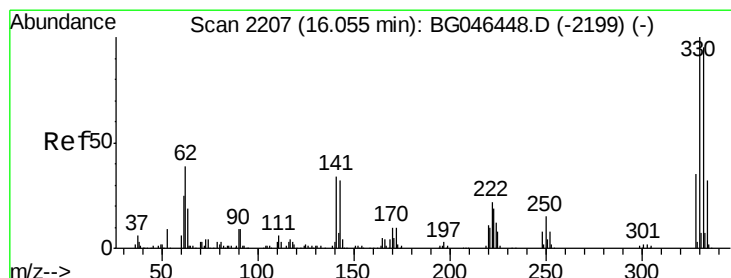
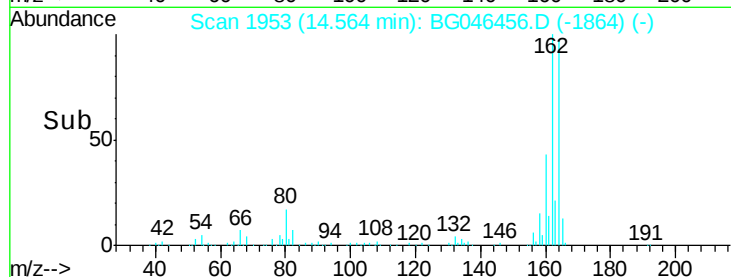
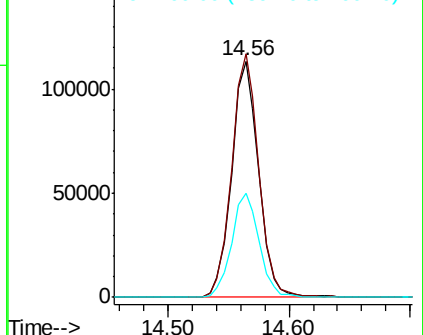
160 44.0 35.0 52.6



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: 113.306 ng

RT: 16.05 min Scan# 2206

Delta R.T. -0.00 min

Lab File: BG046456.D

Acq: 26 Aug 2020 16:30

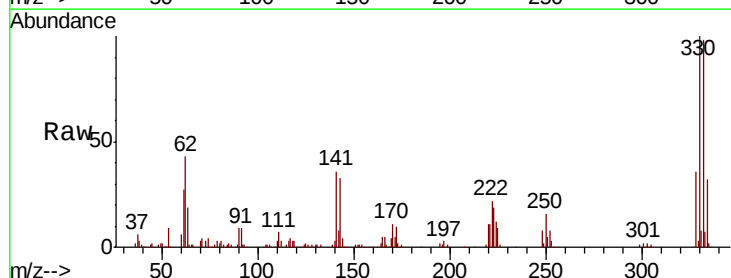
Tgt Ion:330 Resp: 270534

Ion Ratio Lower Upper

330 100

332 97.7 76.1 114.1

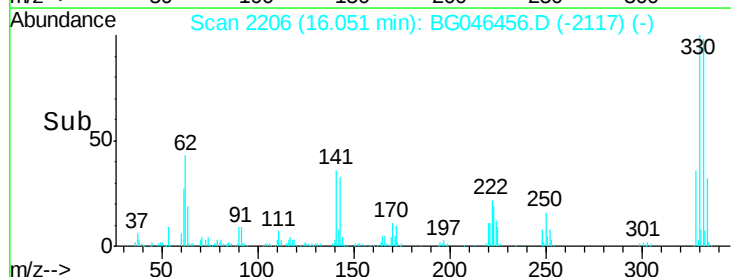
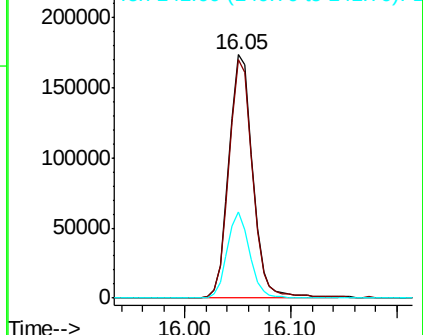
141 33.6 26.1 39.1

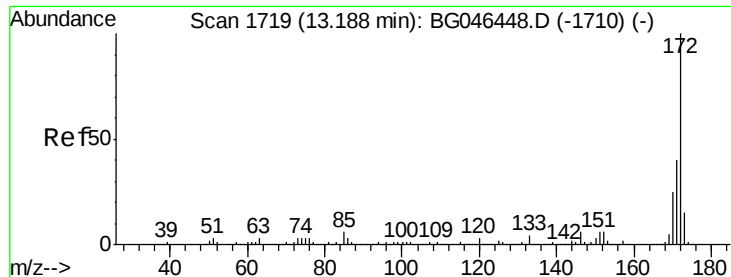


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

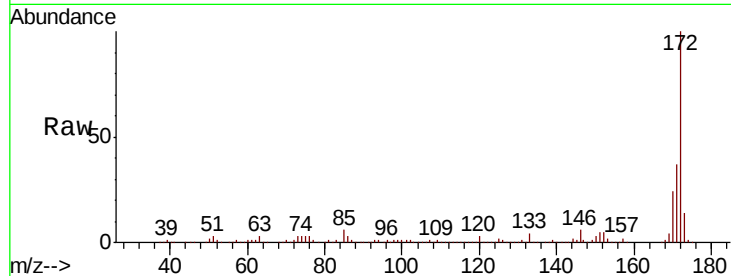




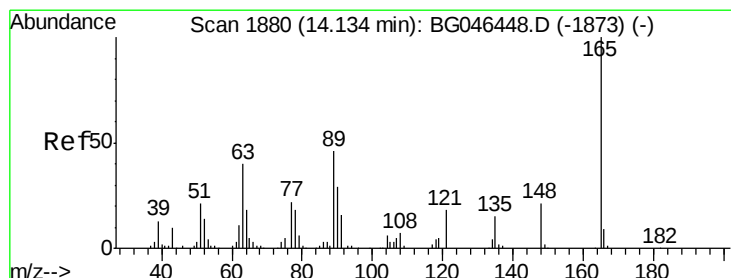
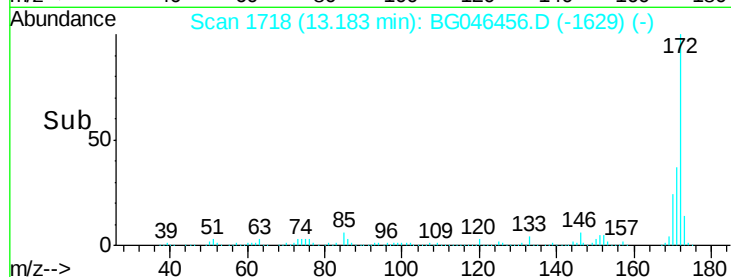
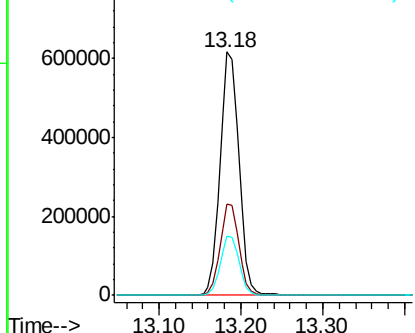
#45  
2-Fluorobiphenyl  
Concen: 86.094 ng  
RT: 13.18 min Scan# 1718  
Delta R.T. -0.00 min  
Lab File: BG046456.D  
Acq: 26 Aug 2020 16:30

Instrument :  
BNA\_G  
ClientSampleId :  
PB131215BL

Tot Ion:172 Resp: 993831  
Ion Ratio Lower Upper  
172 100  
171 37.4 31.8 47.6  
170 24.4 20.3 30.5

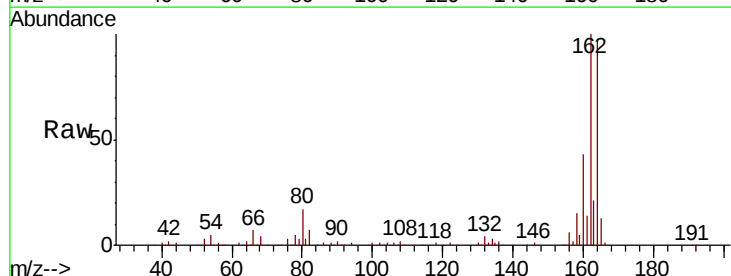


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

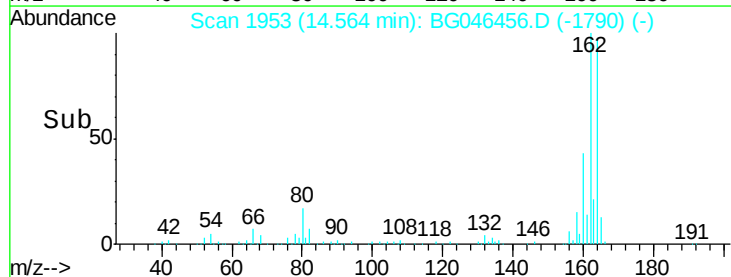
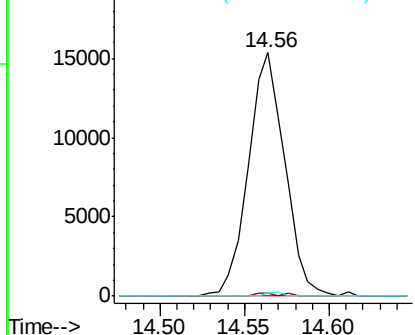


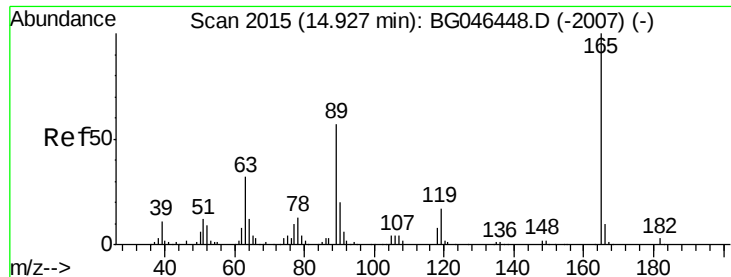
#51  
2,6-Dinitrotoluene  
Concen: 7.666 ng  
RT: 14.56 min Scan# 1953  
Delta R.T. 0.43 min  
Lab File: BG046456.D  
Acq: 26 Aug 2020 16:30

Tgt Ion:165 Resp: 23037  
Ion Ratio Lower Upper  
165 100  
63 1.1 34.2 51.4#  
89 1.3 37.0 55.4#



Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BGC  
Ion 89.00 (88.70 to 89.70): BGC

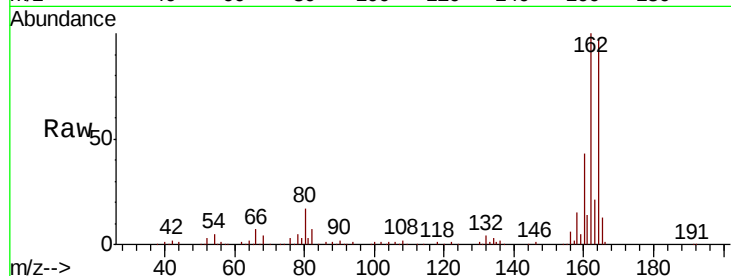




#57  
 2,4-Dinitrotoluene  
 Concen: 5.376 ng  
 RT: 14.56 min Scan# 1953  
 Delta R.T. -0.36 min  
 Lab File: BG046456.D  
 Acq: 26 Aug 2020 16:30

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB131215BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.1   | 25.4  | 38.0# |
| 89      | 1.3   | 45.9  | 68.9# |
| 182     | 0.0   | 2.3   | 3.5#  |

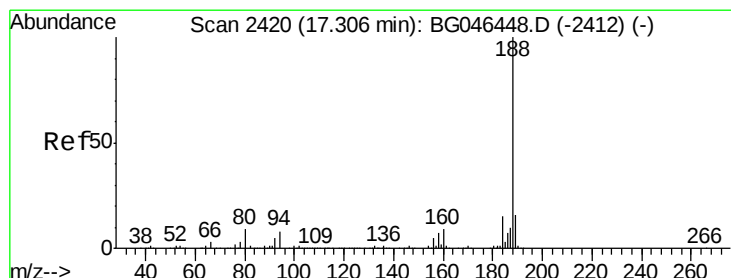
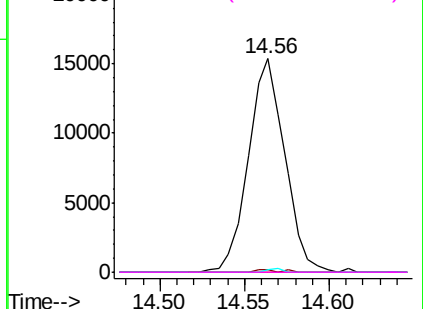
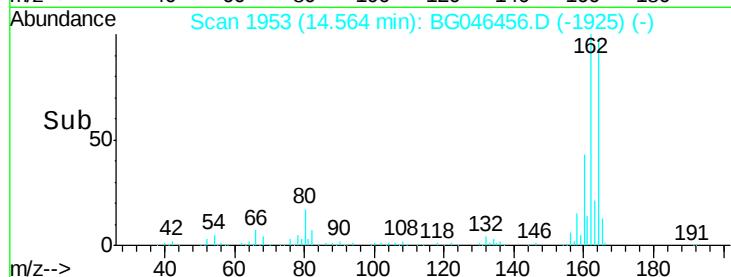


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

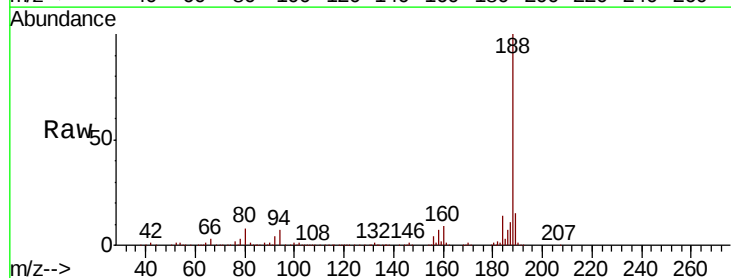
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.31 min Scan# 2420  
 Delta R.T. 0.00 min  
 Lab File: BG046456.D  
 Acq: 26 Aug 2020 16:30

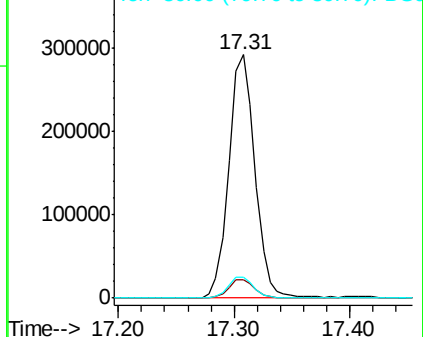
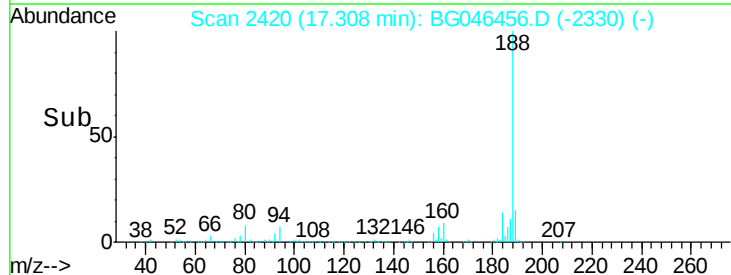
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 7.3   | 6.3   | 9.5   |
| 80      | 8.4   | 6.9   | 10.3  |

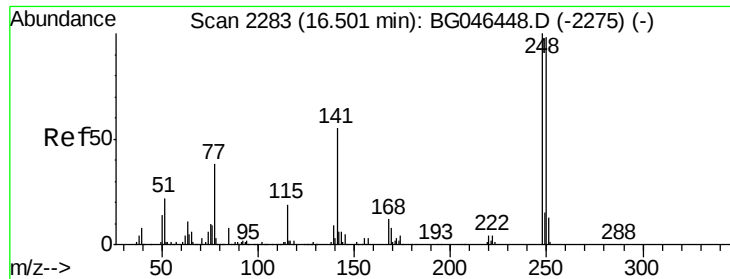


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

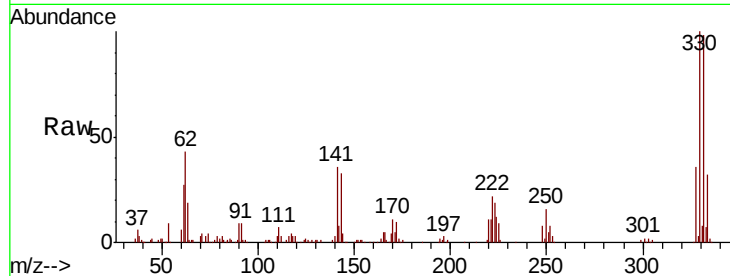




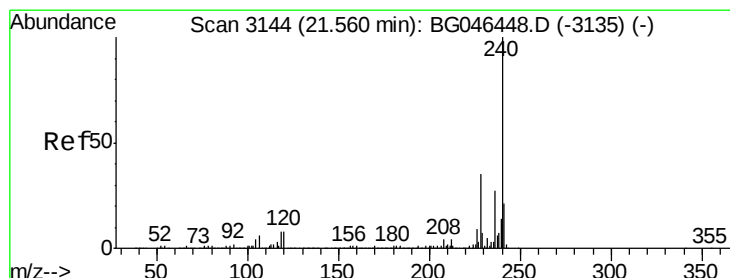
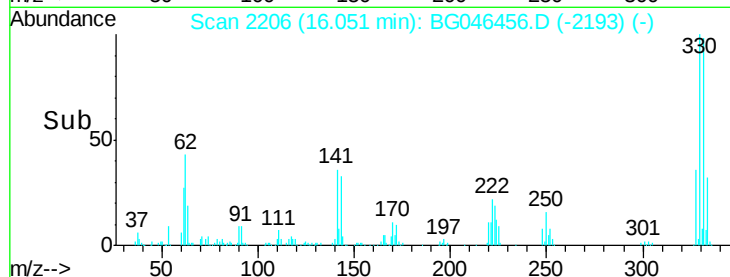
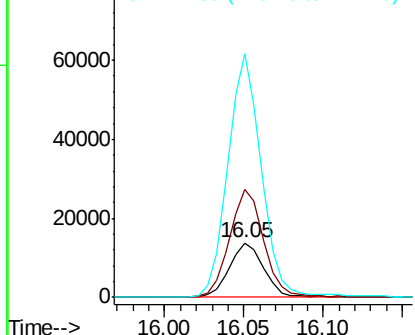
#67  
4-Bromophenyl-phenylether  
Concen: 3.861 ng  
RT: 16.05 min Scan# 2206  
Delta R.T. -0.45 min  
Lab File: BG046456.D  
Acq: 26 Aug 2020 16:30

Instrument :  
BNA\_G  
ClientSampleId :  
PB131215BL

Tot Ion:248 Resp: 20639  
Ion Ratio Lower Upper  
248 100  
250 200.0 78.6 118.0#  
141 449.5 43.9 65.9#

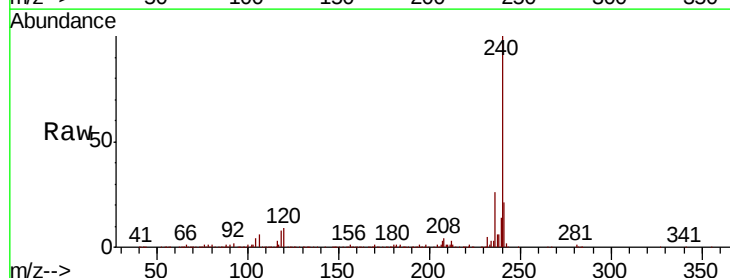


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

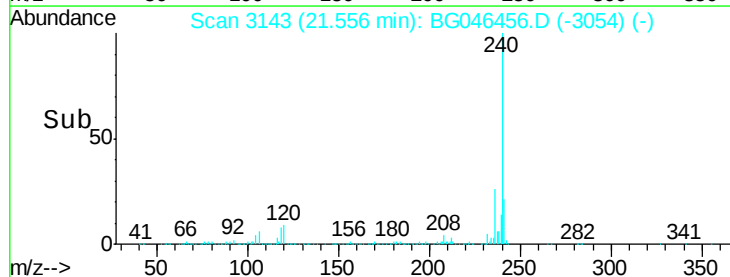
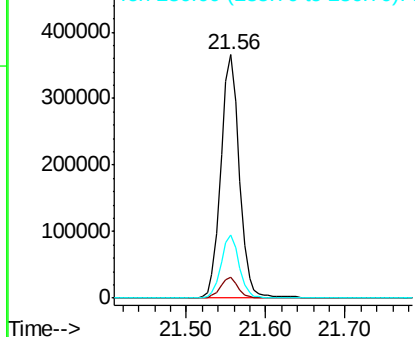


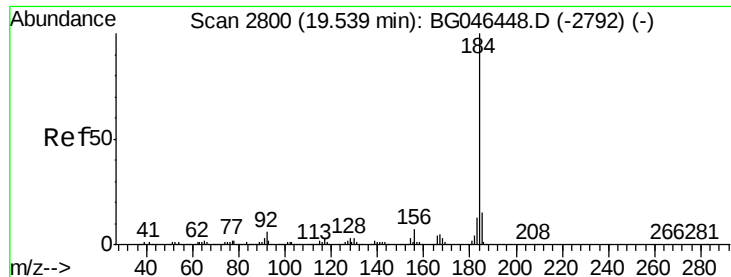
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.56 min Scan# 3143  
Delta R.T. -0.00 min  
Lab File: BG046456.D  
Acq: 26 Aug 2020 16:30

Tgt Ion:240 Resp: 592153  
Ion Ratio Lower Upper  
240 100  
120 8.6 6.6 10.0  
236 25.7 21.4 32.2



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: 2.207 ng

RT: 19.92 min Scan# 2865

Delta R.T. 0.38 min

Lab File: BG046456.D

Acq: 26 Aug 2020 16:30

Instrument :

BNA\_G

ClientSampleId :

PB131215BL

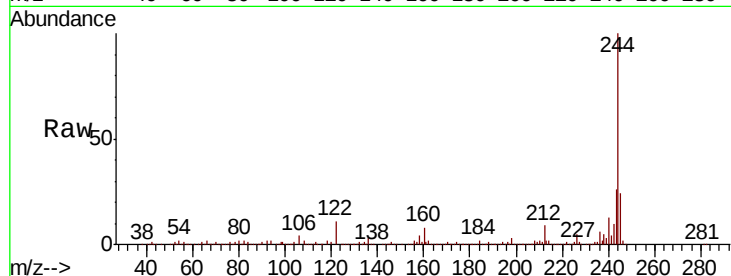
Tot Ion:184 Resp: 30373

Ion Ratio Lower Upper

184 100

185 18.1 11.8 17.8#

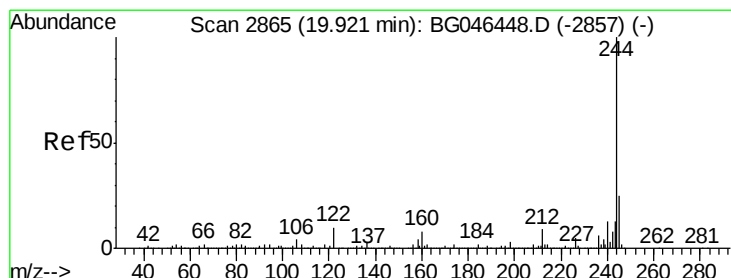
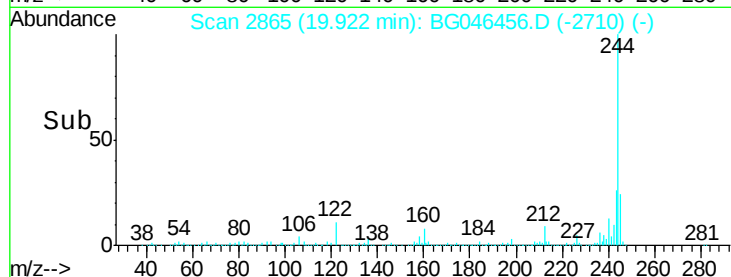
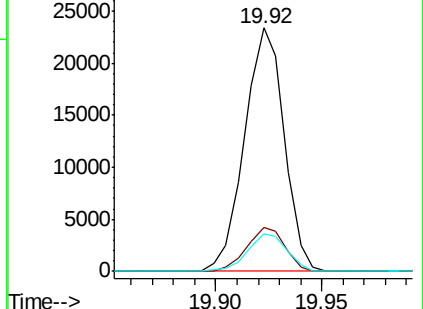
183 15.4 10.7 16.1



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: 69.004 ng

RT: 19.92 min Scan# 2865

Delta R.T. 0.00 min

Lab File: BG046456.D

Acq: 26 Aug 2020 16:30

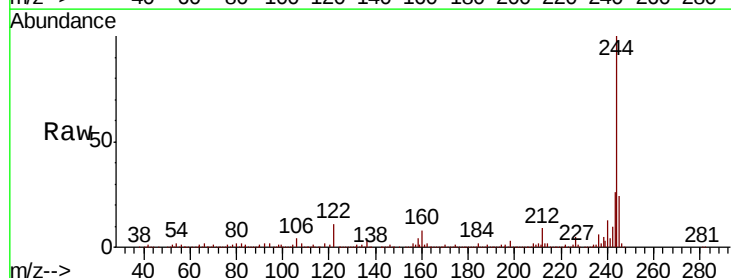
Tgt Ion:244 Resp: 1919984

Ion Ratio Lower Upper

244 100

212 8.8 6.9 10.3

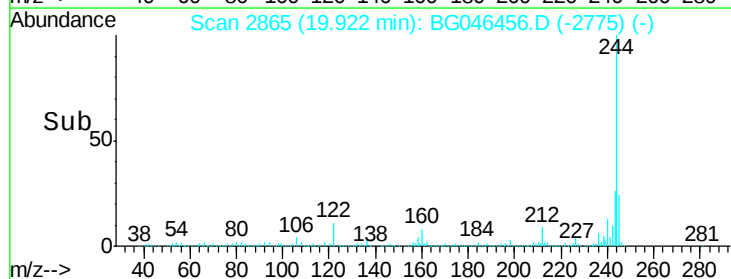
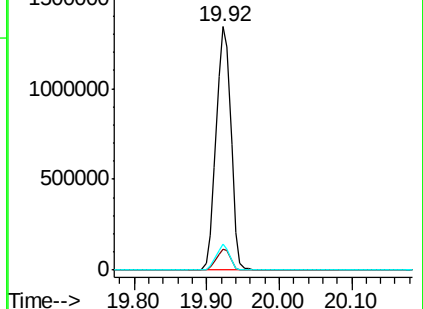
122 10.6 8.2 12.4

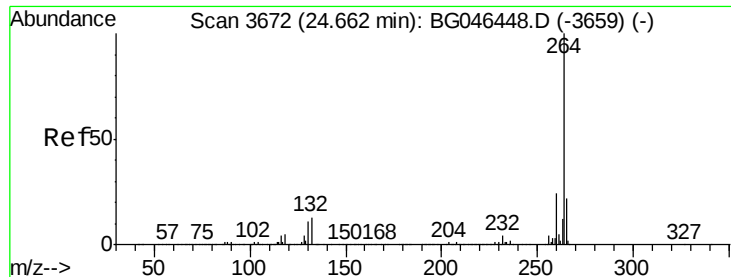


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.66 min Scan# 3671  
 Delta R.T. -0.00 min  
 Lab File: BG046456.D  
 Acq: 26 Aug 2020 16:30

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB131215BL

Tot Ion: 264 Resp: 591804  
 Ion Ratio Lower Upper  
 264 100  
 260 23.2 19.2 28.8  
 265 21.6 17.9 26.9

