

Data File : BG041062.D  
Acq On : 4 Jun 2019 17:36  
Operator : HP/JU  
Sample : K3076-02  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
FESB-08(6.5-7)

Quant Time: Jun 05 05:23:32 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG052919.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed May 29 18:39:57 2019  
Response via : Initial Calibration

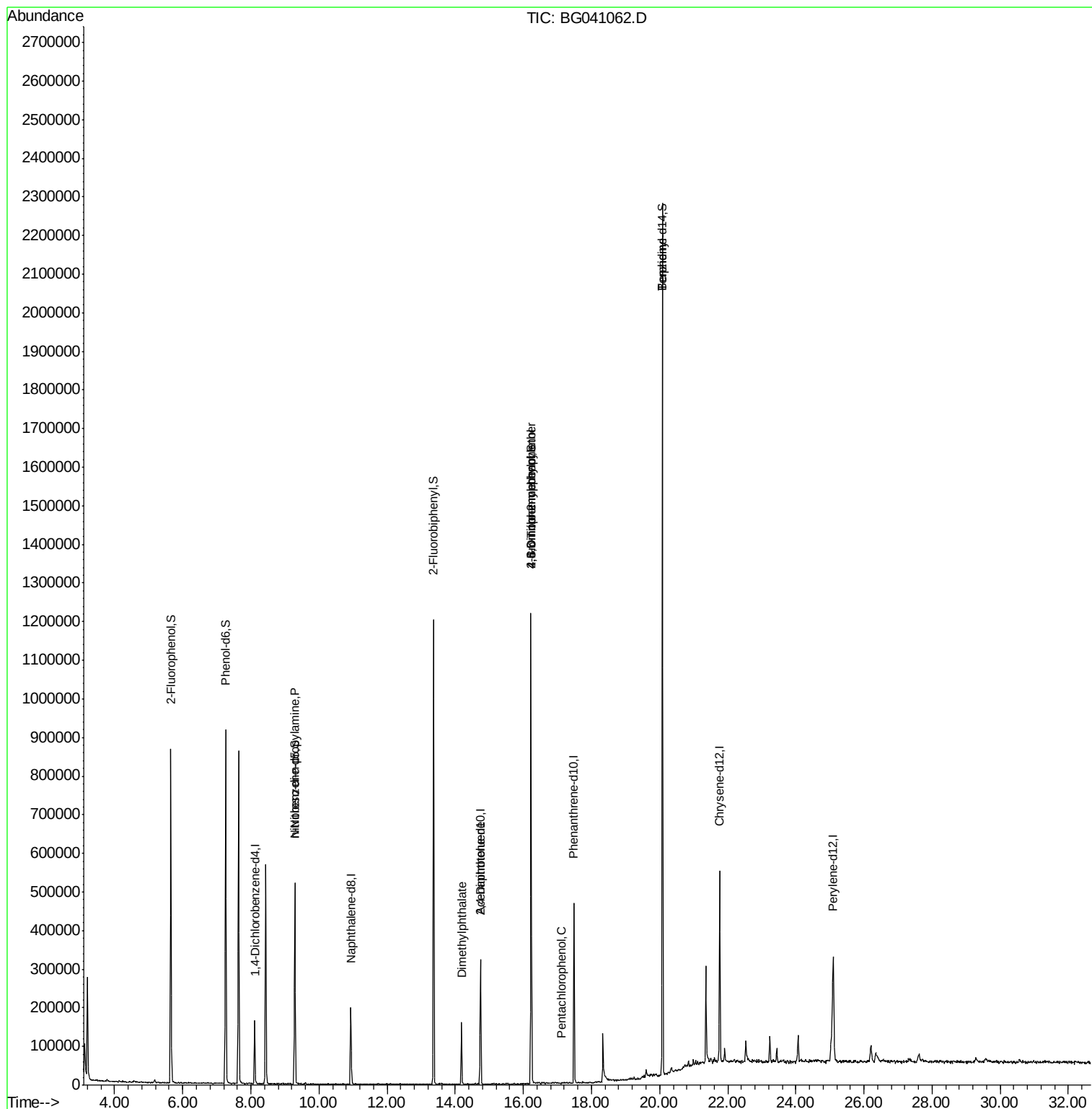
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.11  | 152  | 42905    | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8             | 10.93 | 136  | 159788   | 20.00  | ng    | -0.02    |
| 39) Acenaphthene-d10           | 14.74 | 164  | 114216   | 20.00  | ng    | -0.01    |
| 64) Phenanthrene-d10           | 17.48 | 188  | 294305   | 20.00  | ng    | -0.02    |
| 76) Chrysene-d12               | 21.76 | 240  | 297884   | 20.00  | ng    | -0.03    |
| 87) Perylene-d12               | 25.09 | 264  | 323511   | 20.00  | ng    | -0.04    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.65  | 112  | 329450   | 138.46 | ng    | 0.00     |
| 7) Phenol-d6                   | 7.26  | 99   | 480244   | 130.69 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 9.29  | 82   | 319796   | 88.85  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol       | 16.23 | 330  | 239296   | 141.13 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl           | 13.36 | 172  | 599087   | 75.54  | ng    | -0.02    |
| 79) Terphenyl-d14              | 20.08 | 244  | 1086078  | 77.38  | ng    | -0.02    |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 9.29  | 70   | 45299    | 16.019 | ng    | # 75     |
| 50) Dimethylphthalate          | 14.18 | 163  | 107870   | 11.157 | ng    | # 97     |
| 57) 2,4-Dinitrotoluene         | 14.74 | 165  | 15565    | 5.286  | ng    | # 22     |
| 65) 4,6-Dinitro-2-methylphenol | 16.23 | 198  | 710      | 8.959  | ng    | # 8      |
| 67) 4-Bromophenyl-phenylether  | 16.23 | 248  | 17036    | 4.289  | ng    | # 1      |
| 70) Pentachlorophenol          | 17.12 | 266  | 60       | 4.281  | ng    | # 18     |
| 77) Benzidine                  | 20.08 | 184  | 17992    | 2.532  | ng    | # 89     |

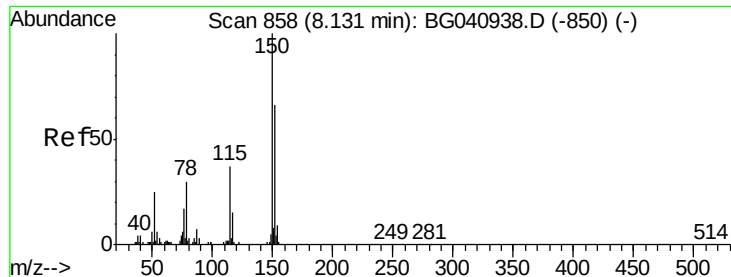
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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FESB-08(6.5-7)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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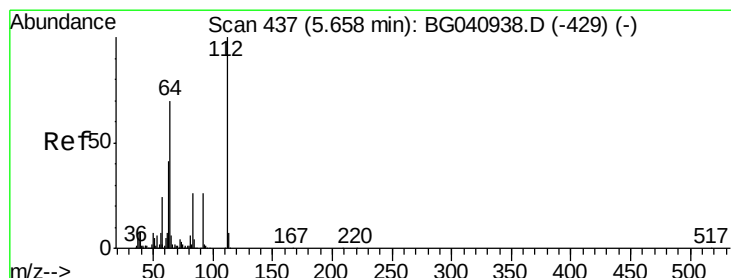
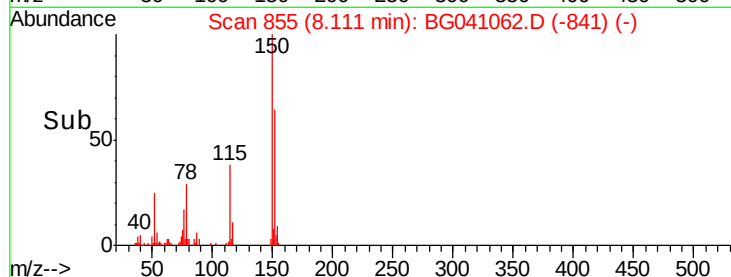
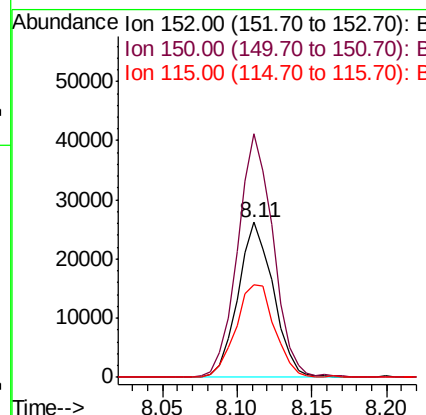
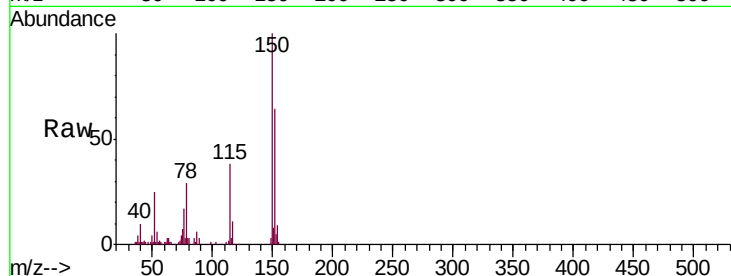


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.11 min Scan# 855  
Delta R.T. -0.02 min  
Lab File: BG041062.D  
Acq: 4 Jun 2019 17:36

Instrument :  
BNA\_G  
ClientSampleId :  
FESB-08(6.5-7)

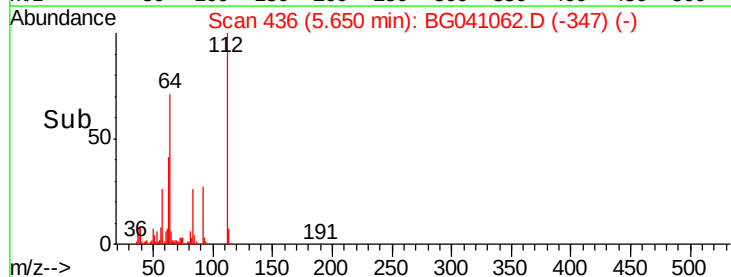
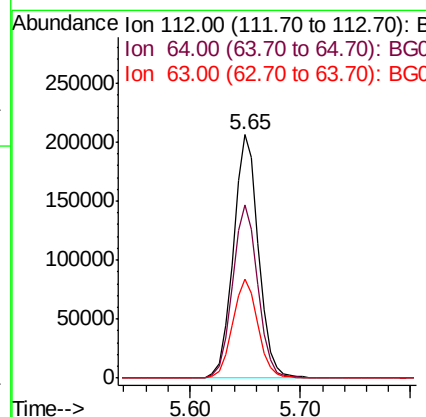
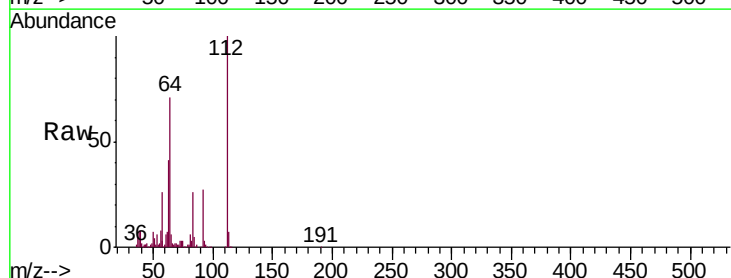
Tgt Ion:152 Resp: 42905  
Ion Ratio Lower Upper  
152 100  
150 157.2 120.6 180.8  
115 59.8 45.1 67.7

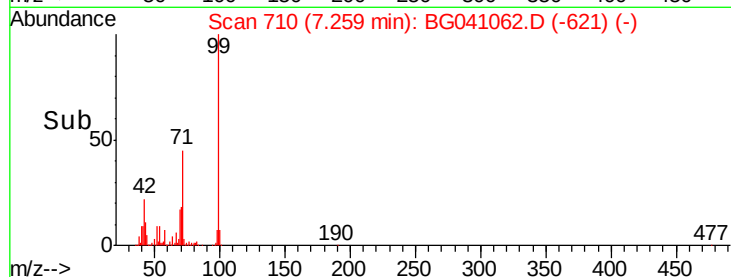
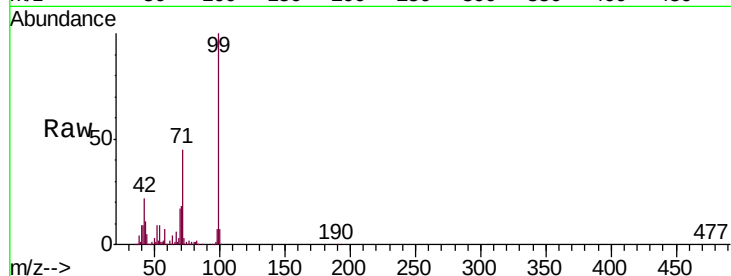
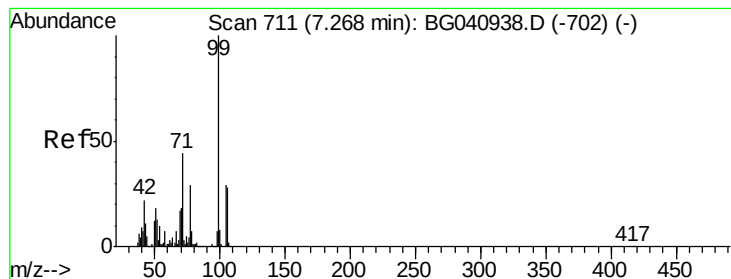


#5

2-Fluorophenol  
Concen: 138.461 ng  
RT: 5.65 min Scan# 436  
Delta R.T. -0.01 min  
Lab File: BG041062.D  
Acq: 4 Jun 2019 17:36

Tgt Ion:112 Resp: 329450  
Ion Ratio Lower Upper  
112 100  
64 71.4 56.2 84.2  
63 40.7 32.8 49.2





#7

Phenol-d6

Concen: 130.690 ng

RT: 7.26 min Scan# 710

Delta R.T. -0.01 min

Lab File: BG041062.D

Acq: 4 Jun 2019 17:36

Instrument :

BNA\_G

ClientSampleId :

FESB-08(6.5-7)

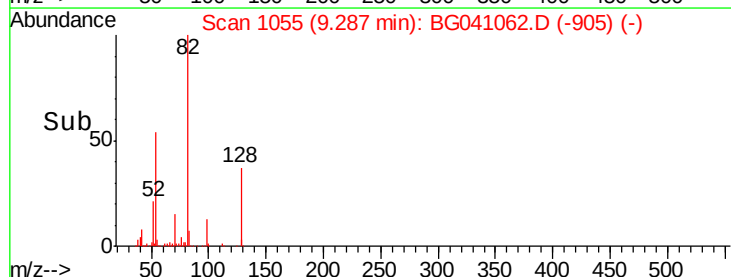
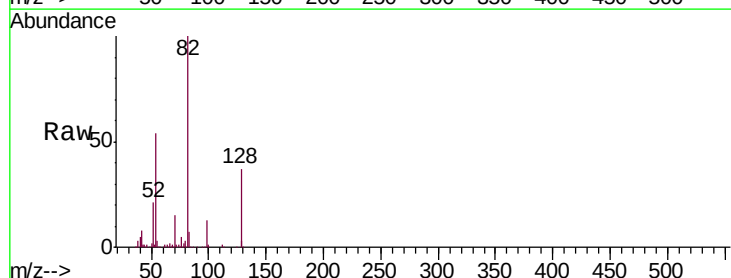
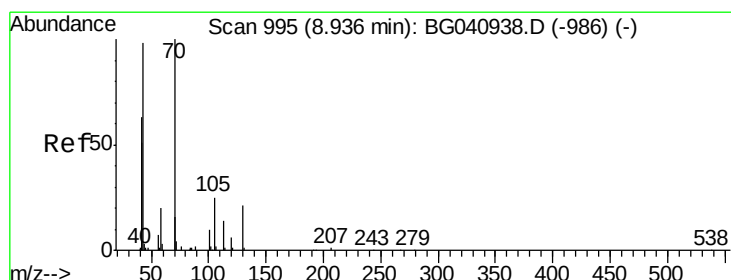
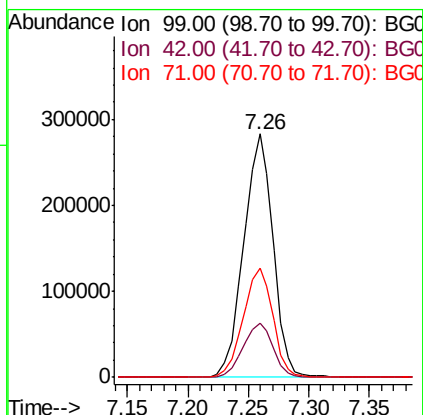
Tgt Ion: 99 Resp: 480244

Ion Ratio Lower Upper

99 100

42 22.4 17.9 26.9

71 45.1 35.4 53.0



#19

n-Nitroso-di-n-propylamine

Concen: 16.019 ng

RT: 9.29 min Scan# 1055

Delta R.T. 0.35 min

Lab File: BG041062.D

Acq: 4 Jun 2019 17:36

Tgt Ion: 70 Resp: 45299

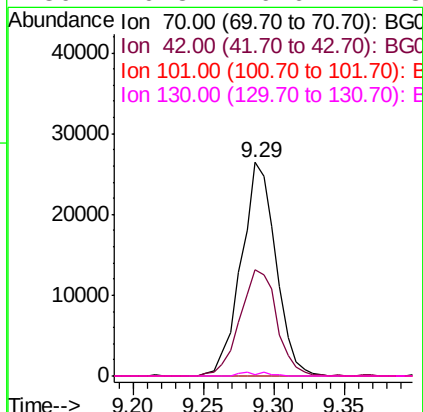
Ion Ratio Lower Upper

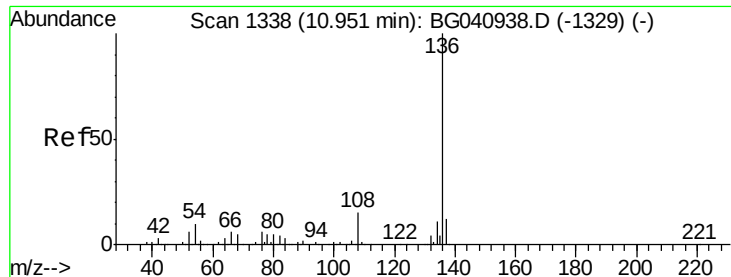
70 100

42 49.7 51.5 77.3#

101 0.0 8.1 12.1#

130 0.8 16.6 24.8#

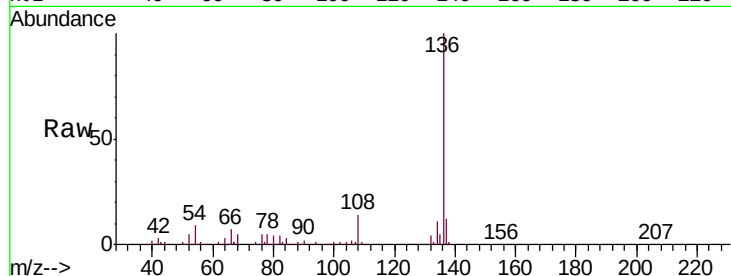




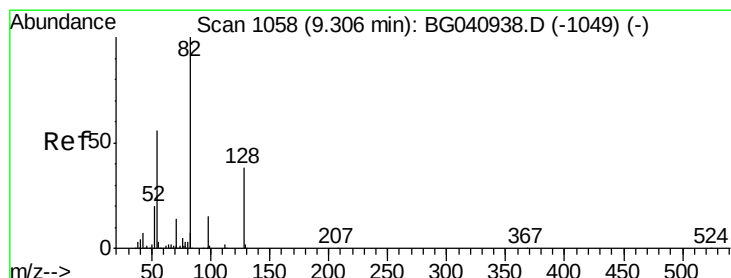
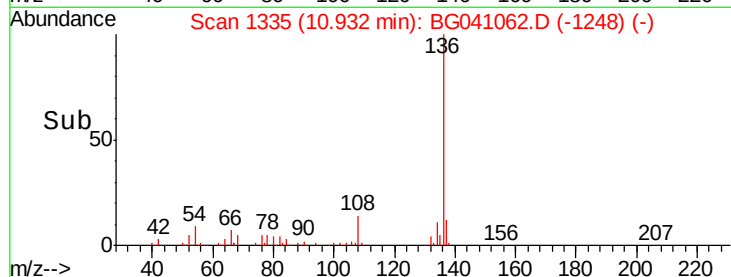
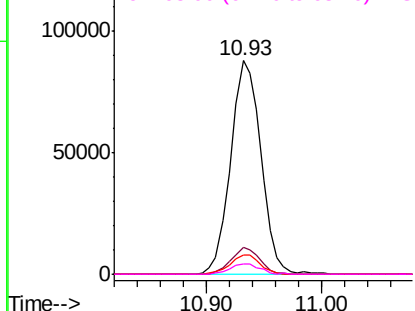
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.93 min Scan# 1335  
Delta R.T. -0.02 min  
Lab File: BG041062.D  
Acq: 4 Jun 2019 17:36

Instrument :  
BNA\_G  
ClientSampleId :  
FESB-08(6.5-7)

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 159788 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 12.4  | 9.5   | 14.3   |
| 54       | 9.1   | 7.6   | 11.4   |
| 68       | 4.7   | 3.9   | 5.9    |

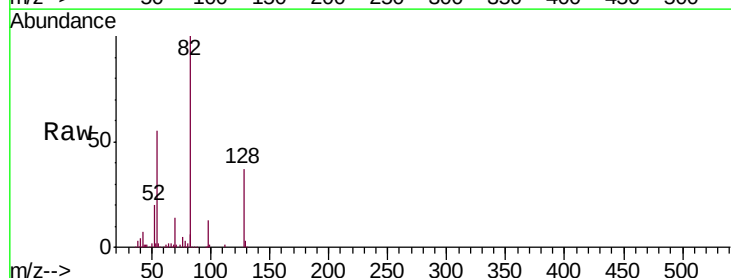


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

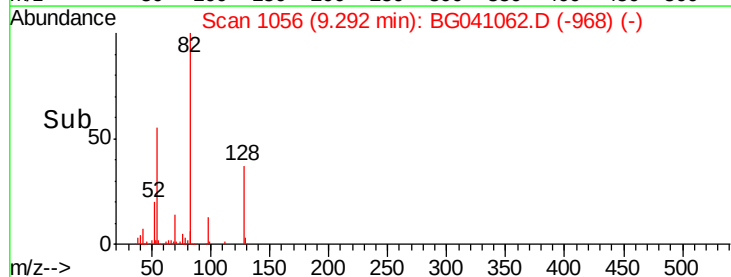
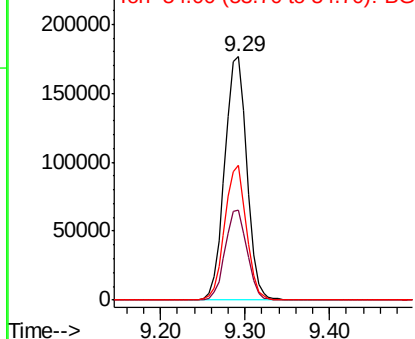


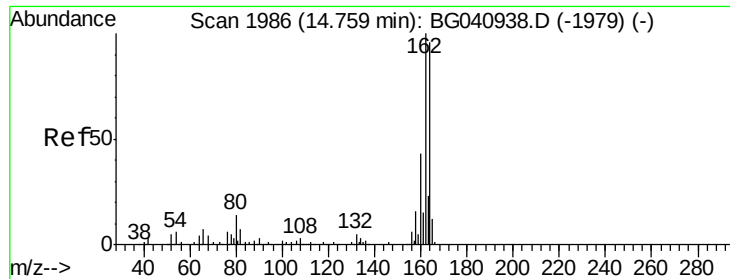
#23  
Nitrobenzene-d5  
Concen: 88.848 ng  
RT: 9.29 min Scan# 1056  
Delta R.T. -0.01 min  
Lab File: BG041062.D  
Acq: 4 Jun 2019 17:36

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 319796 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 37.0  | 30.5  | 45.7   |
| 54       | 55.4  | 44.6  | 66.8   |



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: 14.74 min Scan# 1984

Delta R.T. -0.01 min

Lab File: BG041062.D

Acq: 4 Jun 2019 17:36

Instrument :

BNA\_G

ClientSampleId :

FESB-08(6.5-7)

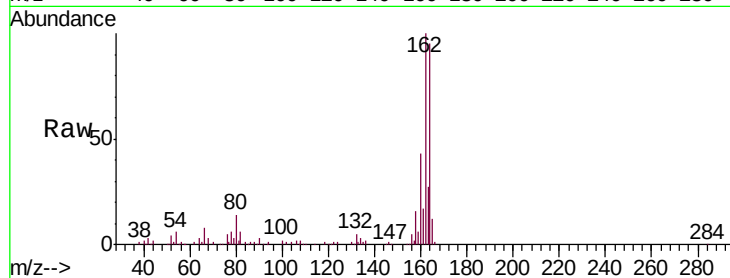
Tgt Ion:164 Resp: 114216

Ion Ratio Lower Upper

164 100

162 105.6 83.0 124.4

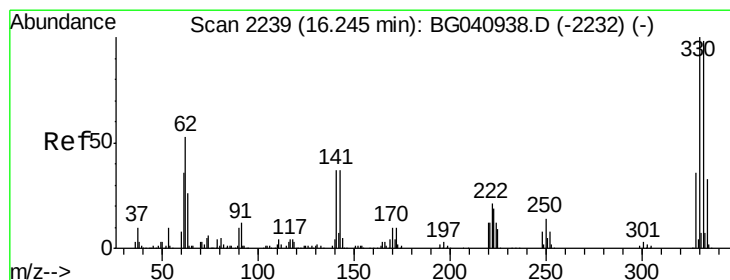
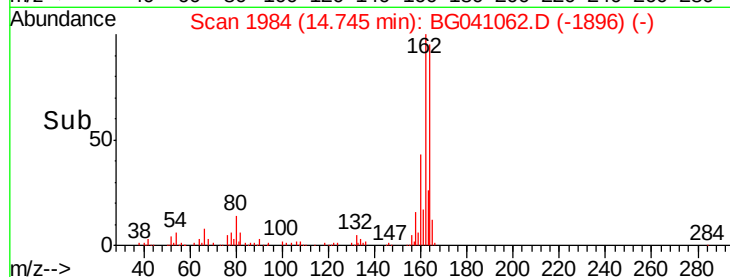
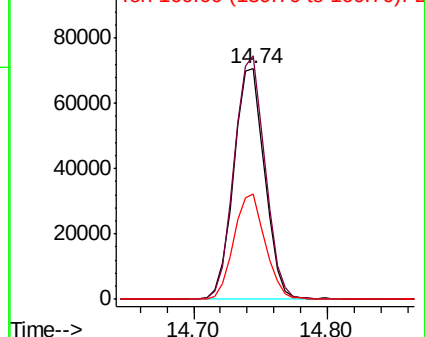
160 46.0 35.6 53.4



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: 141.126 ng

RT: 16.23 min Scan# 2237

Delta R.T. -0.01 min

Lab File: BG041062.D

Acq: 4 Jun 2019 17:36

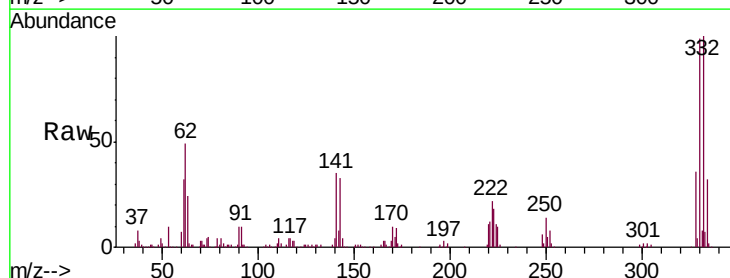
Tgt Ion:330 Resp: 239296

Ion Ratio Lower Upper

330 100

332 97.4 78.5 117.7

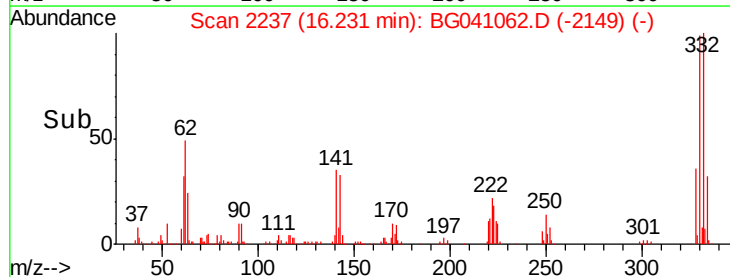
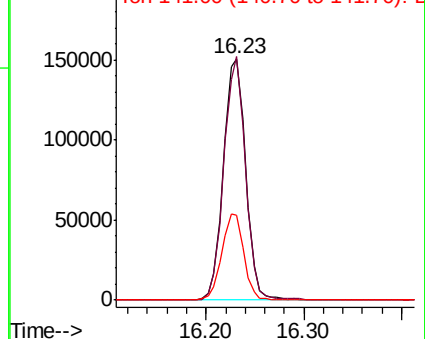
141 34.9 28.7 43.1

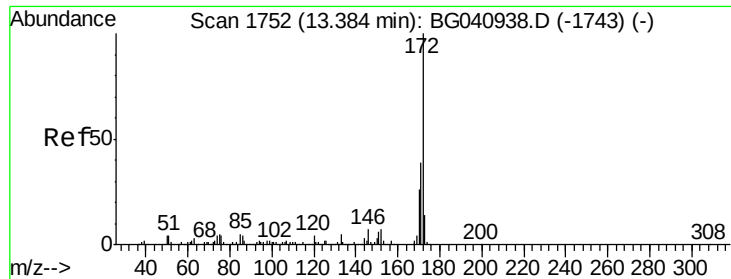


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

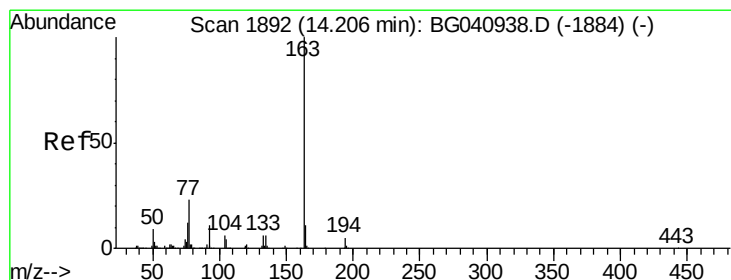
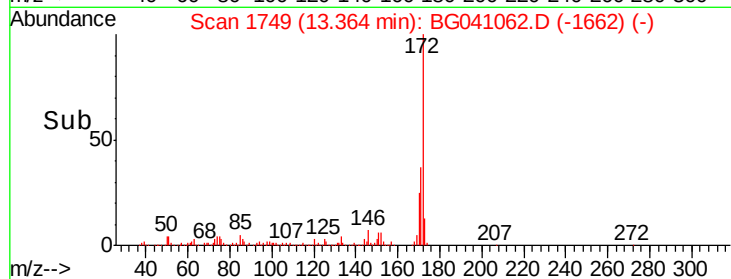
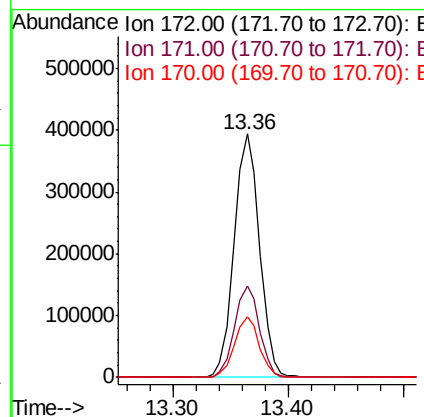
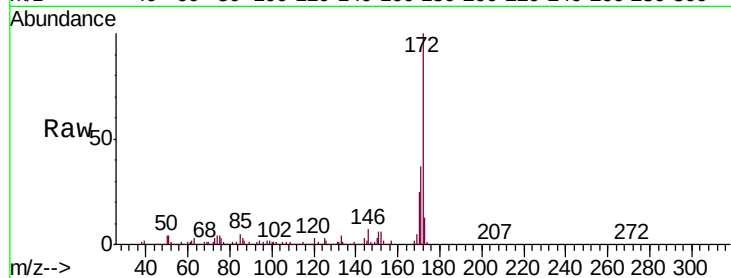




#45  
2-Fluorobiphenyl  
Concen: 75.537 ng  
RT: 13.36 min Scan# 1749  
Delta R.T. -0.02 min  
Lab File: BG041062.D  
Acq: 4 Jun 2019 17:36

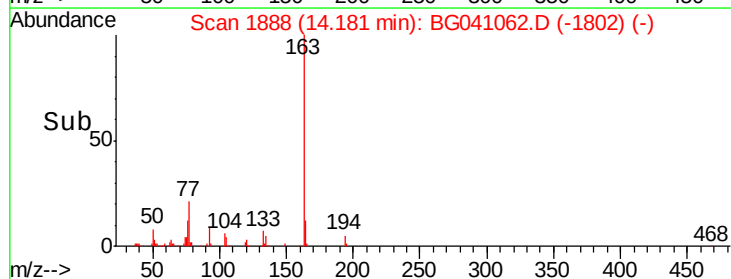
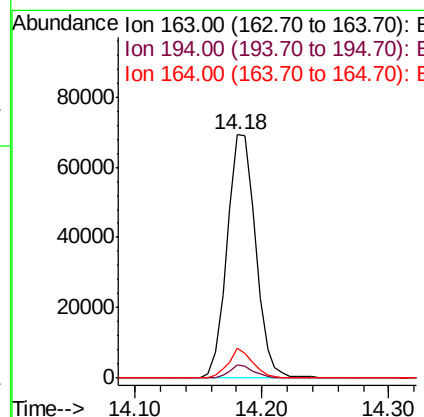
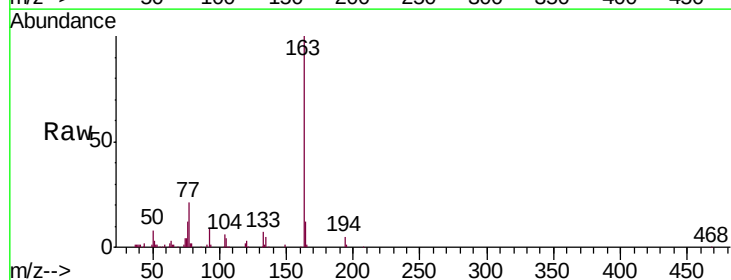
Instrument :  
BNA\_G  
ClientSampleId :  
FESB-08(6.5-7)

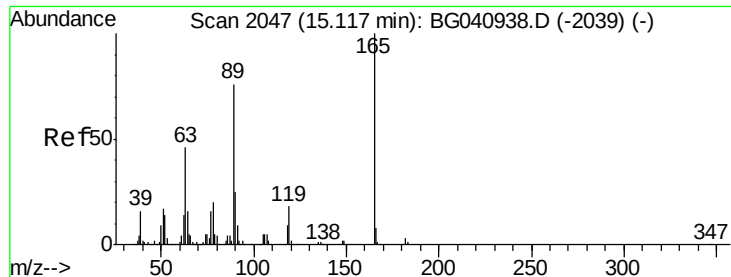
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.4  | 31.1  | 46.7  |
| 170     | 25.1  | 20.5  | 30.7  |



#50  
Dimethylphthalate  
Concen: 11.157 ng  
RT: 14.18 min Scan# 1888  
Delta R.T. -0.03 min  
Lab File: BG041062.D  
Acq: 4 Jun 2019 17:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 5.4   | 3.8   | 5.8   |
| 164     | 12.1  | 8.7   | 13.1  |

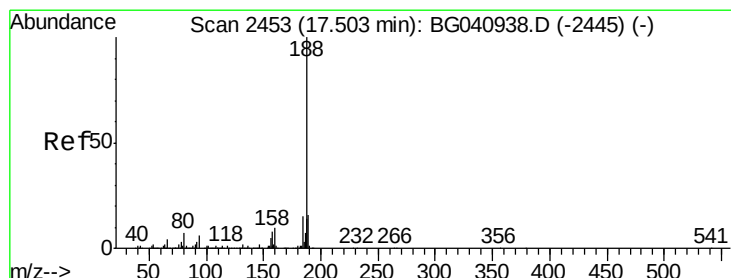
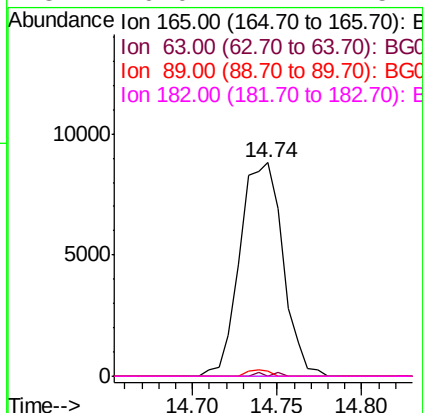
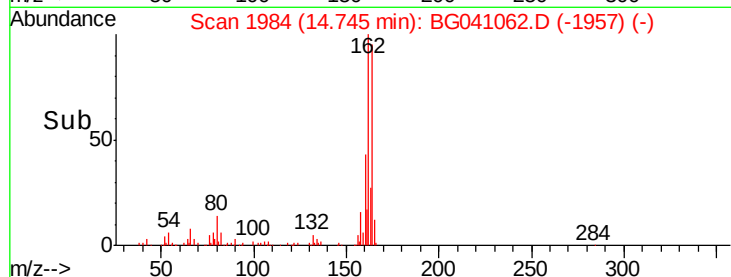
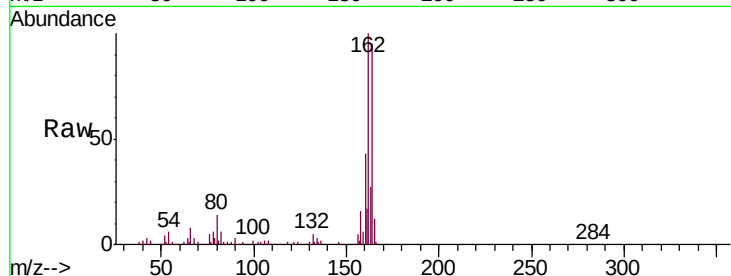




#57  
 2,4-Dinitrotoluene  
 Concen: 5.286 ng  
 RT: 14.74 min Scan# 1984  
 Delta R.T. -0.37 min  
 Lab File: BG041062.D  
 Acq: 4 Jun 2019 17:36

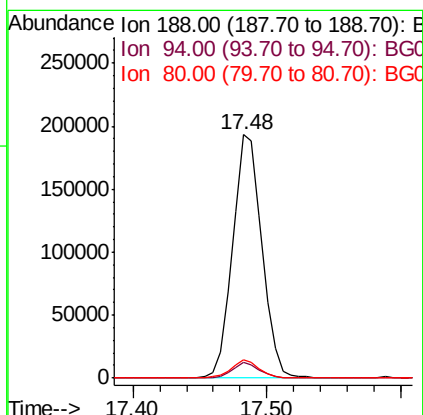
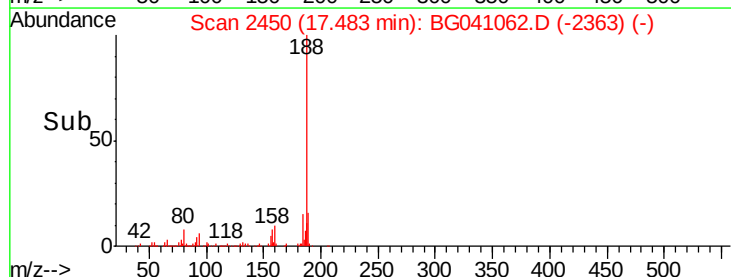
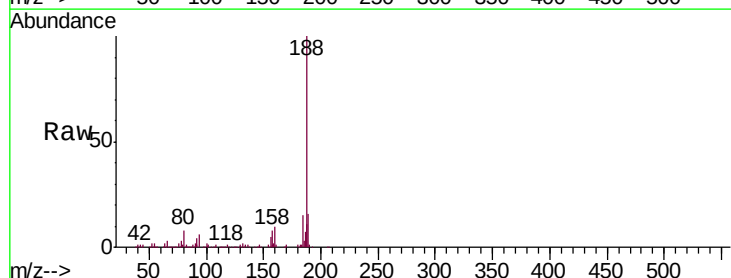
Instrument :  
 BNA\_G  
 ClientSampleId :  
 FESB-08(6.5-7)

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.0   | 37.3  | 55.9# |
| 89      | 2.5   | 61.0  | 91.6# |
| 182     | 0.0   | 2.2   | 3.2#  |

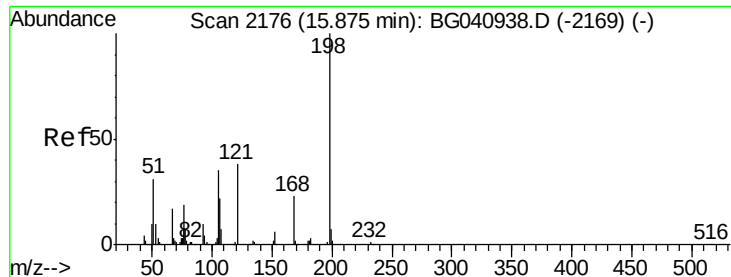


#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.48 min Scan# 2450  
 Delta R.T. -0.02 min  
 Lab File: BG041062.D  
 Acq: 4 Jun 2019 17:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 6.4   | 4.7   | 7.1   |
| 80      | 7.7   | 5.8   | 8.8   |







#65

4,6-Dinitro-2-methylphenol

Concen: 8.959 ng

RT: 16.23 min Scan# 2237

Delta R.T. 0.36 min

Lab File: BG041062.D

Acq: 4 Jun 2019 17:36

Instrument :

BNA\_G

ClientSampleId :

FESB-08(6.5-7)

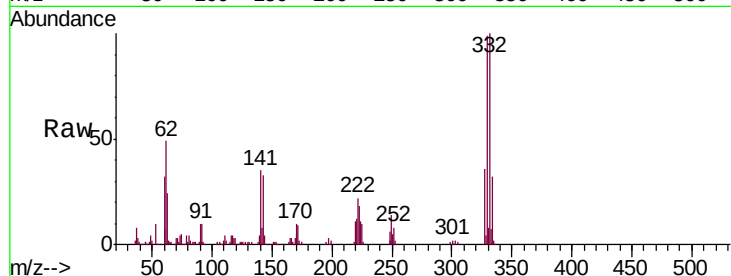
Tgt Ion:198 Resp: 710

Ion Ratio Lower Upper

198 100

51 101.8 21.6 61.6#

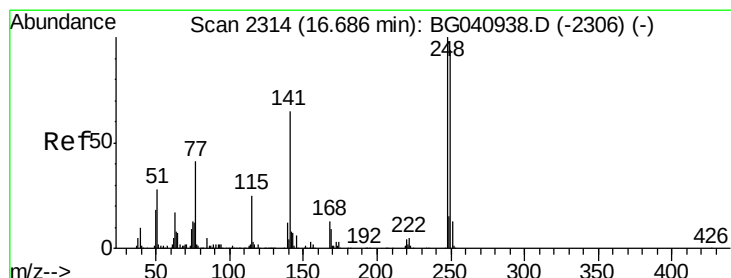
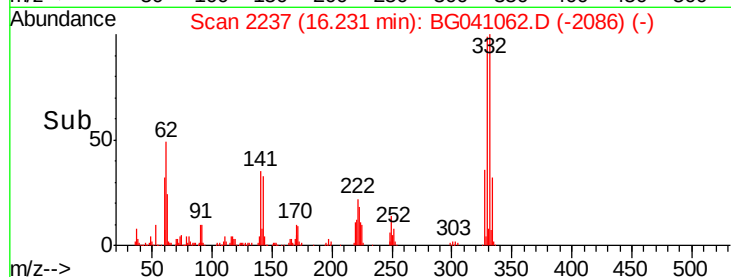
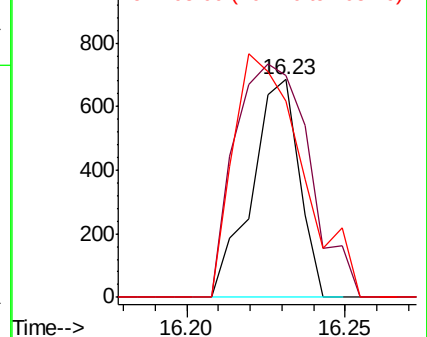
105 90.2 17.5 57.5#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 4.289 ng

RT: 16.23 min Scan# 2236

Delta R.T. -0.46 min

Lab File: BG041062.D

Acq: 4 Jun 2019 17:36

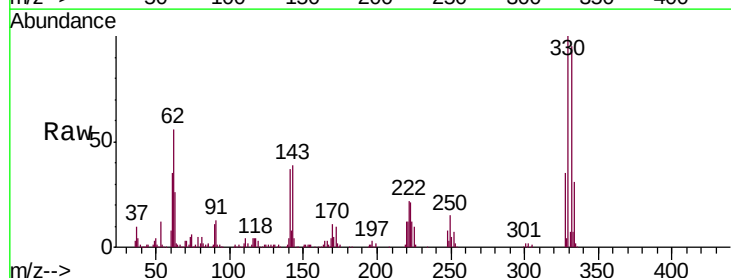
Tgt Ion:248 Resp: 17036

Ion Ratio Lower Upper

248 100

250 258.3 75.0 112.4#

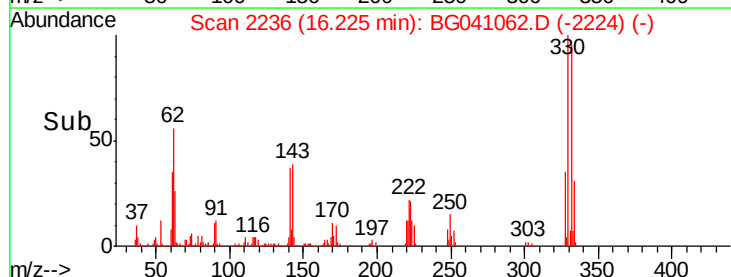
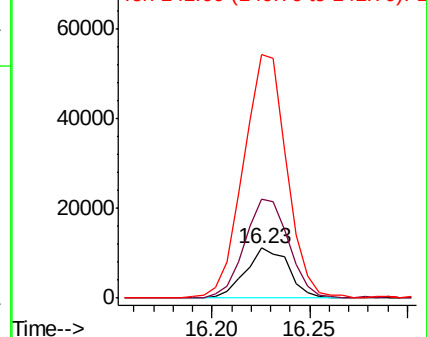
141 488.1 52.4 78.6#

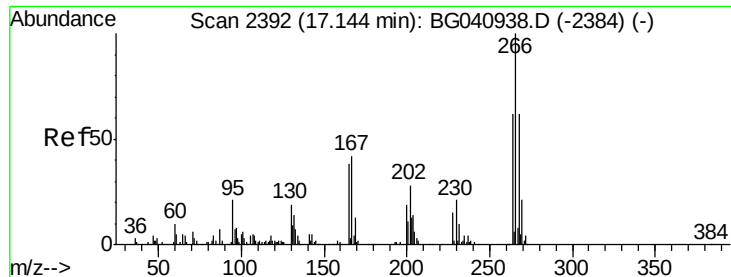


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

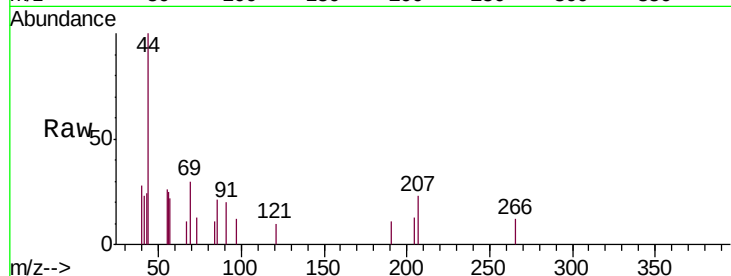




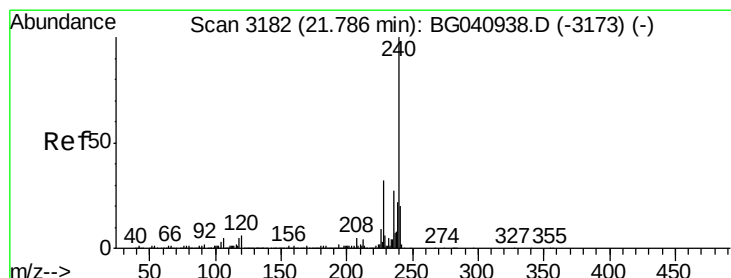
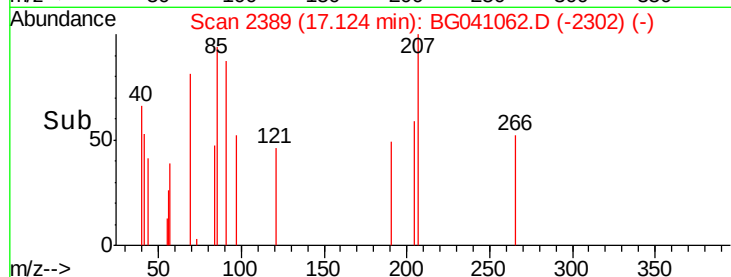
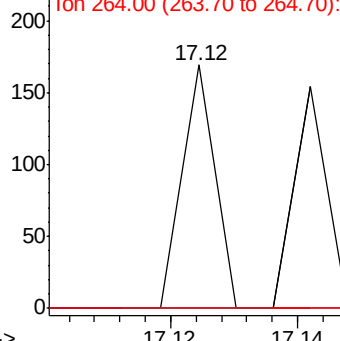
#70  
 Pentachlorophenol  
 Concen: 4.281 ng  
 RT: 17.12 min Scan# 2389  
 Delta R.T. -0.02 min  
 Lab File: BG041062.D  
 Acq: 4 Jun 2019 17:36

Instrument :  
 BNA\_G  
 ClientSampleId :  
 FESB-08(6.5-7)

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 0.0   | 53.1  | 79.7# |
| 264     | 0.0   | 49.9  | 74.9# |

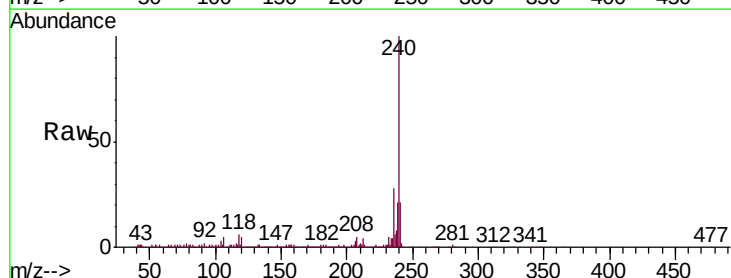


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

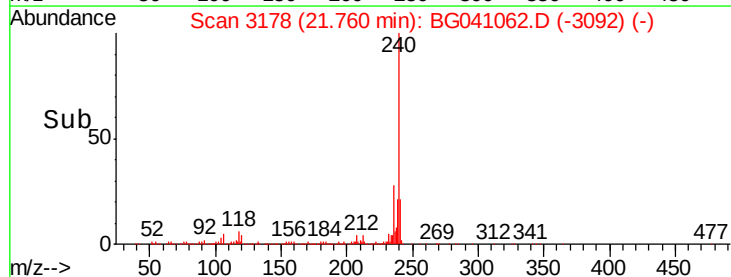
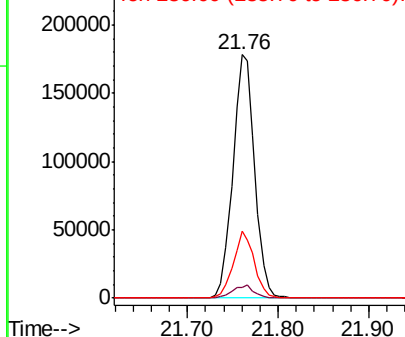


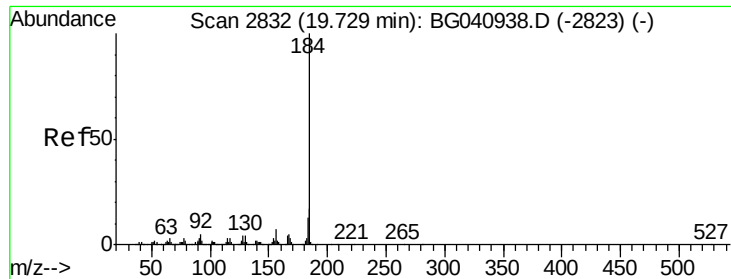
#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 21.76 min Scan# 3178  
 Delta R.T. -0.03 min  
 Lab File: BG041062.D  
 Acq: 4 Jun 2019 17:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 4.6   | 4.5   | 6.7   |
| 236     | 27.7  | 21.3  | 31.9  |



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: 2.532 ng

RT: 20.08 min Scan# 2892

Delta R.T. 0.35 min

Lab File: BG041062.D

Acq: 4 Jun 2019 17:36

Instrument :

BNA\_G

ClientSampleId :

FESB-08(6.5-7)

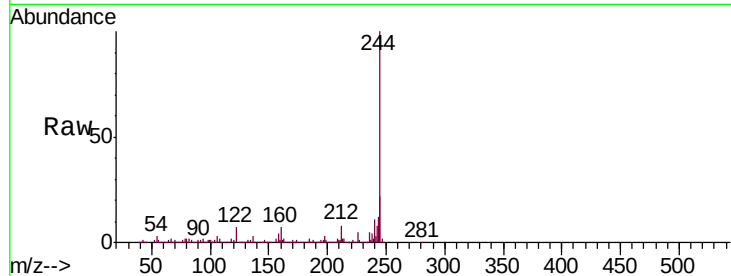
Tgt Ion:184 Resp: 17992

Ion Ratio Lower Upper

184 100

185 21.4 13.3 19.9#

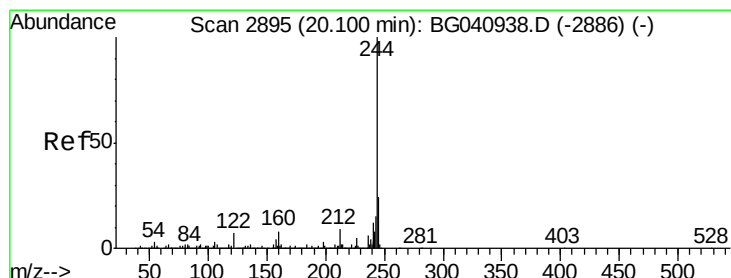
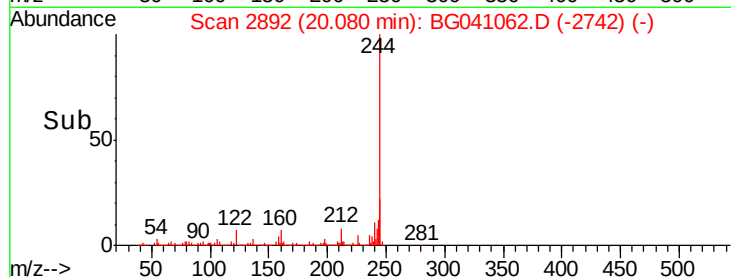
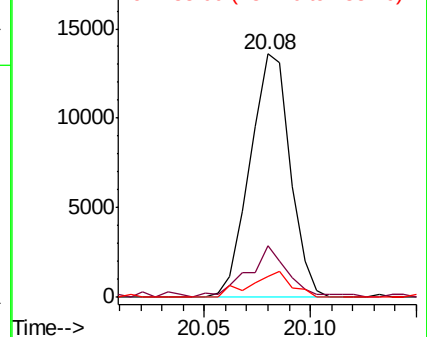
183 8.7 10.7 16.1#



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: 77.380 ng

RT: 20.08 min Scan# 2892

Delta R.T. -0.02 min

Lab File: BG041062.D

Acq: 4 Jun 2019 17:36

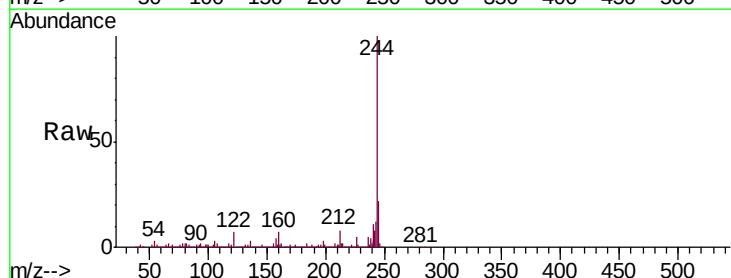
Tgt Ion:244 Resp: 1086078

Ion Ratio Lower Upper

244 100

212 8.5 7.0 10.4

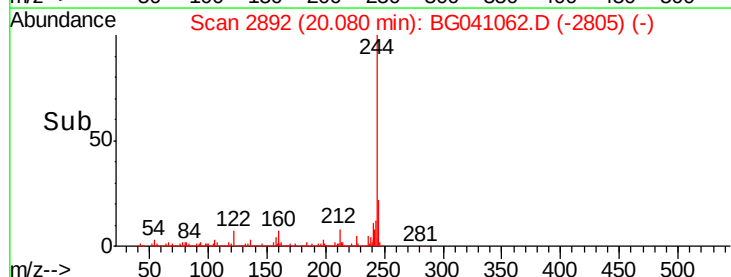
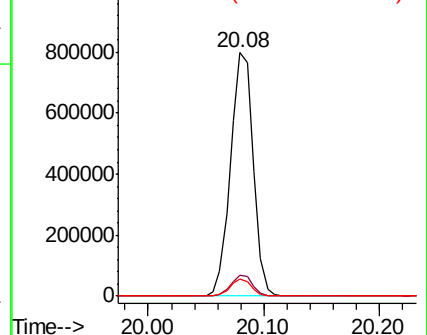
122 7.0 5.4 8.0

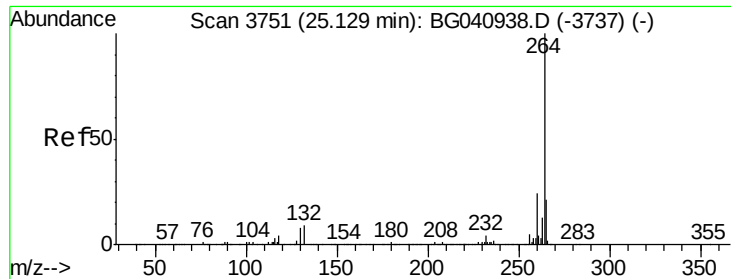


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

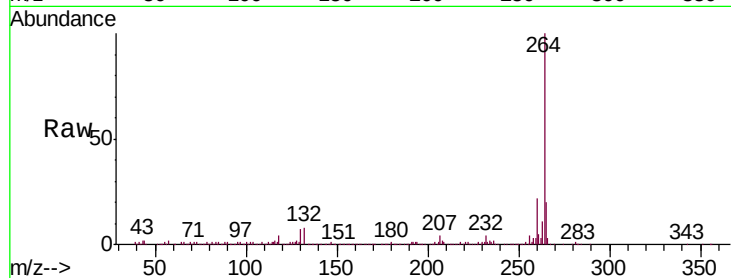




#87  
Perylene-d12  
Concen: 20.000 ng  
RT: 25.09 min Scan# 3745  
Delta R.T. -0.04 min  
Lab File: BG041062.D  
Acq: 4 Jun 2019 17:36

Instrument :  
BNA\_G  
ClientSampleId :  
FESB-08(6.5-7)

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 264   | Resp: | 323511 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 22.3  | 19.0  | 28.4   |
| 265      | 20.2  | 17.0  | 25.4   |



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

