

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061720\  
 Data File : BG045788.D  
 Acq On : 17 Jun 2020 13:23  
 Operator : CG/JU  
 Sample : L2819-01RE  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BU-02-061020RE

Quant Time: Jun 17 14:00:24 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 15 18:34:19 2020  
 Response via : Initial Calibration

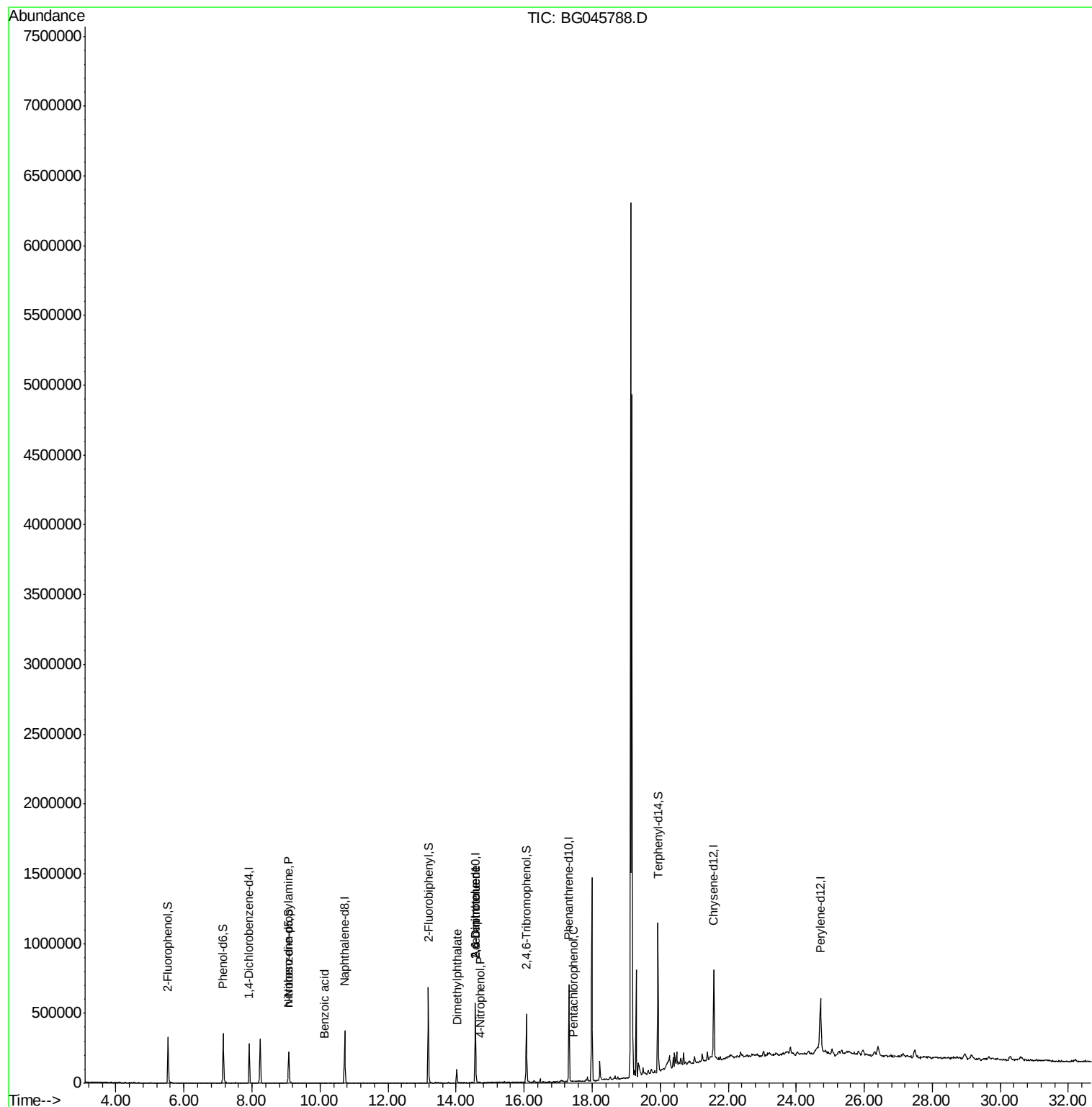
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.92  | 152  | 81250    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8             | 10.72 | 136  | 324717   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10           | 14.57 | 164  | 217163   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10           | 17.32 | 188  | 449233   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12               | 21.57 | 240  | 393748   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12               | 24.71 | 264  | 413675   | 20.00 | ng    | 0.01     |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 5) 2-Fluorophenol              | 5.53  | 112  | 159646   | 33.19 | ng    | 0.00     |
| 7) Phenol-d6                   | 7.15  | 99   | 242797   | 33.19 | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 9.08  | 82   | 157387   | 22.14 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 16.07 | 330  | 103869   | 31.68 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 13.19 | 172  | 375380   | 25.40 | ng    | 0.00     |
| 79) Terphenyl-d14              | 19.94 | 244  | 525300   | 27.04 | ng    | 0.00     |
| Target Compounds               |       |      |          |       |       |          |
| 19) n-Nitroso-di-n-propylamine | 9.07  | 70   | 22016    | 4.577 | ng    | # 76     |
| 32) Benzoic acid               | 10.12 | 122  | 60       | 8.993 | ng    | # 1      |
| 50) Dimethylphthalate          | 14.02 | 163  | 65072    | 3.825 | ng    | # 96     |
| 51) 2,6-Dinitrotoluene         | 14.57 | 165  | 28617    | 7.489 | ng    | # 26     |
| 56) 4-Nitrophenol              | 14.71 | 139  | 67       | 3.996 | ng    | # 1      |
| 57) 2,4-Dinitrotoluene         | 14.57 | 165  | 28617    | 5.227 | ng    | # 24     |
| 70) Pentachlorophenol          | 17.44 | 266  | 53       | 7.648 | ng    | # 17     |

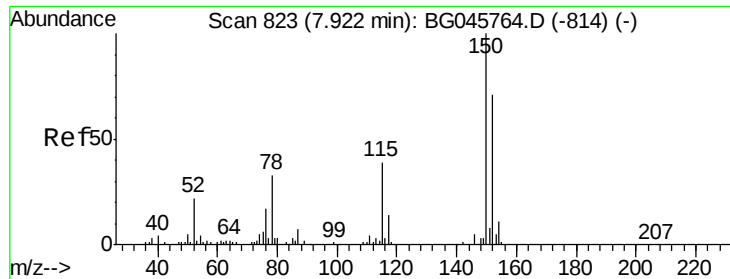
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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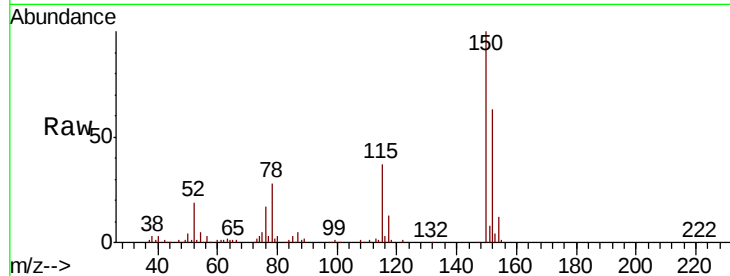


#1

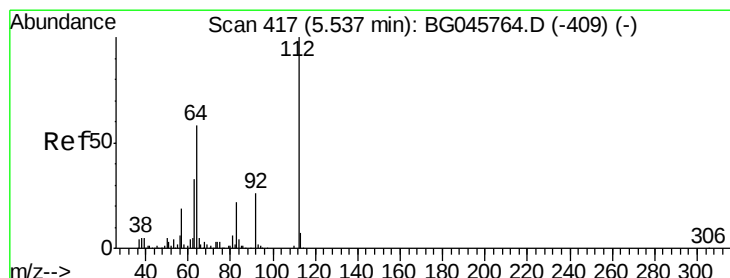
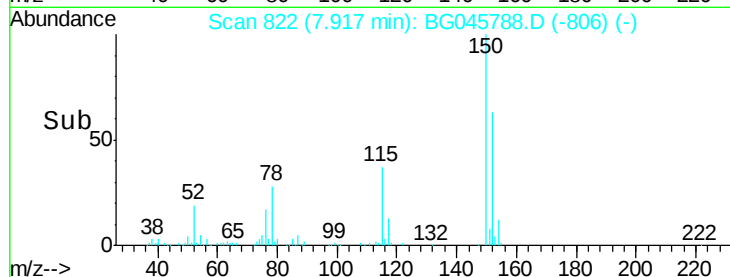
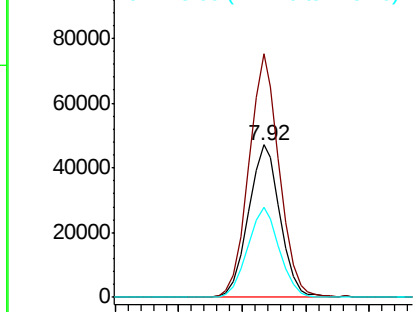
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.92 min Scan# 822  
Delta R.T. -0.01 min  
Lab File: BG045788.D  
Acq: 17 Jun 2020 13:23

Instrument :  
BNA\_G  
ClientSampleId :  
BU-02-061020RE

Tot Ion:152 Resp: 81250  
Ion Ratio Lower Upper  
152 100  
150 159.5 113.1 169.7  
115 59.1 43.8 65.6



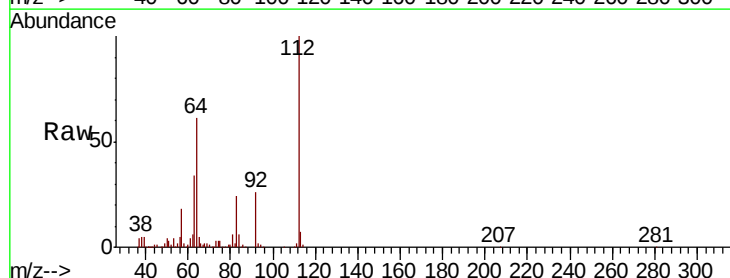
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



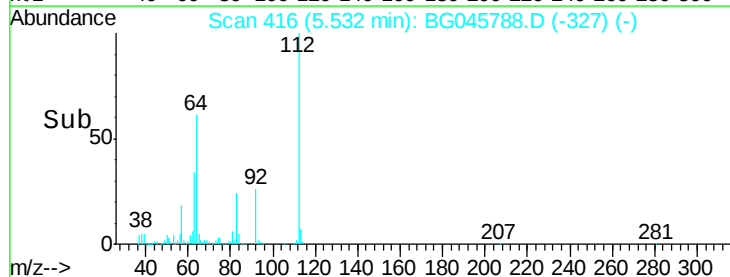
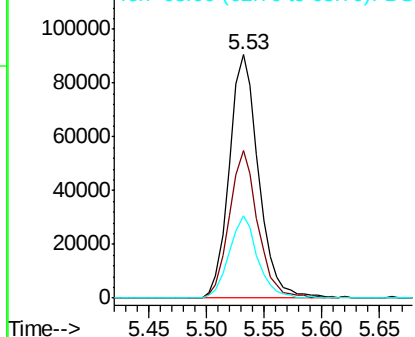
#5

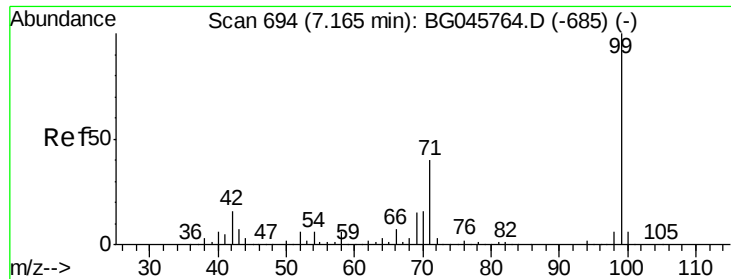
2-Fluorophenol  
Concen: 33.191 ng  
RT: 5.53 min Scan# 416  
Delta R.T. -0.01 min  
Lab File: BG045788.D  
Acq: 17 Jun 2020 13:23

Tgt Ion:112 Resp: 159646  
Ion Ratio Lower Upper  
112 100  
64 60.7 46.6 69.8  
63 33.7 26.3 39.5



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BG  
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 33.186 ng

RT: 7.15 min Scan# 692

Delta R.T. -0.01 min

Lab File: BG045788.D

Acq: 17 Jun 2020 13:23

Instrument :

BNA\_G

ClientSampleId :

BU-02-061020RE

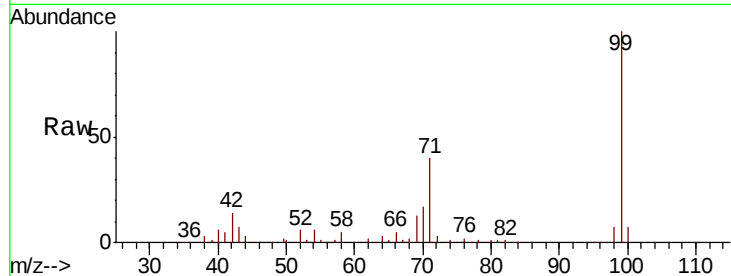
Tot Ion: 99 Resp: 242797

Ion Ratio Lower Upper

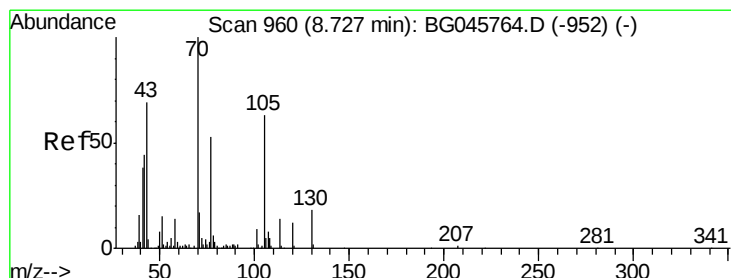
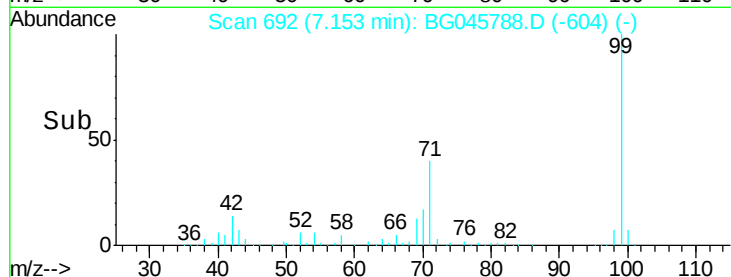
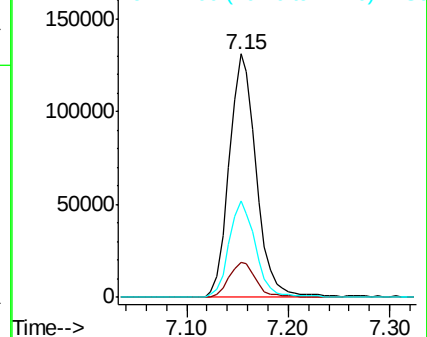
99 100

42 14.2 12.4 18.6

71 39.6 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



#19

n-Nitroso-di-n-propylamine

Concen: 4.577 ng

RT: 9.07 min Scan# 1019

Delta R.T. 0.35 min

Lab File: BG045788.D

Acq: 17 Jun 2020 13:23

Tgt Ion: 70 Resp: 22016

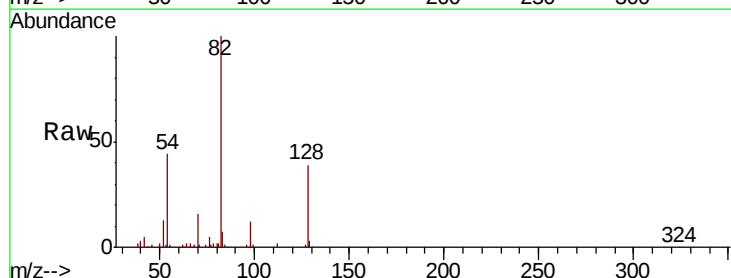
Ion Ratio Lower Upper

70 100

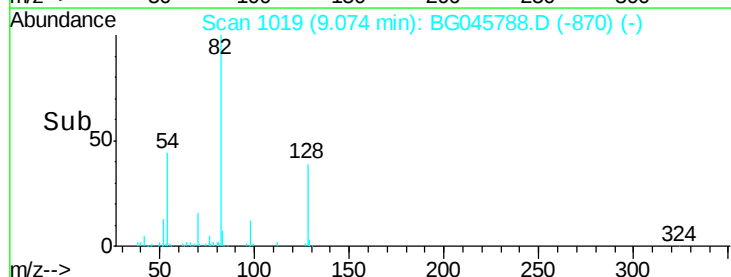
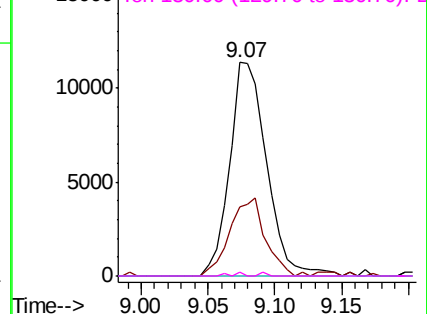
42 32.1 35.1 52.7#

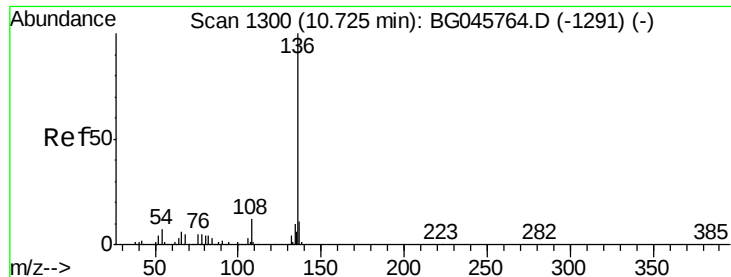
101 0.0 7.4 11.0#

130 1.6 14.6 21.8#



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

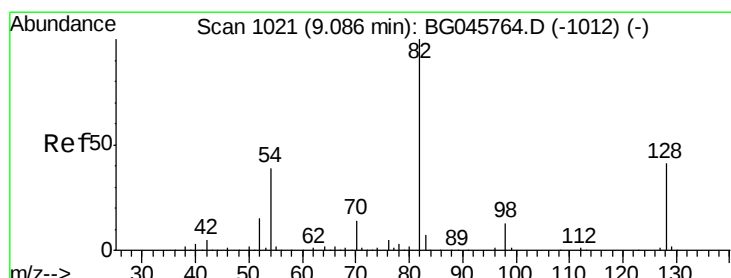
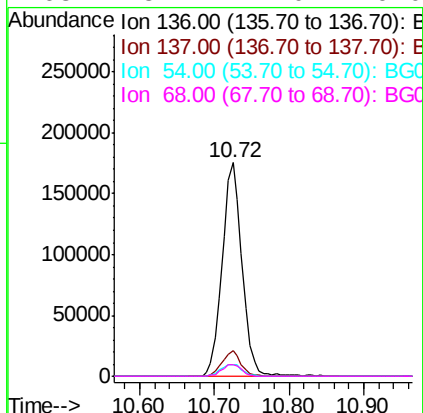
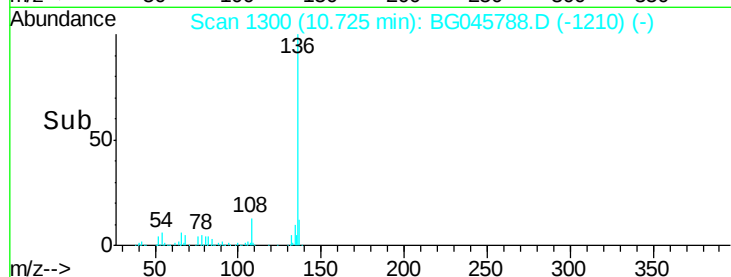
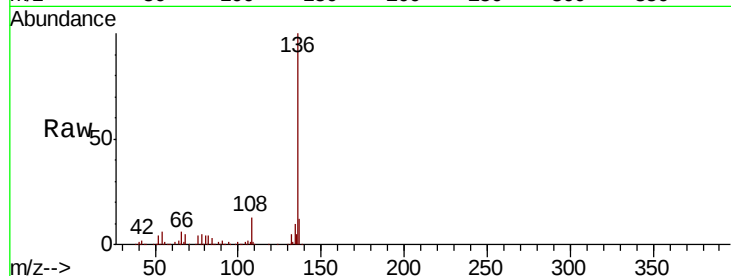




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.72 min Scan# 1300  
Delta R.T. 0.00 min  
Lab File: BG045788.D  
Acq: 17 Jun 2020 13:23

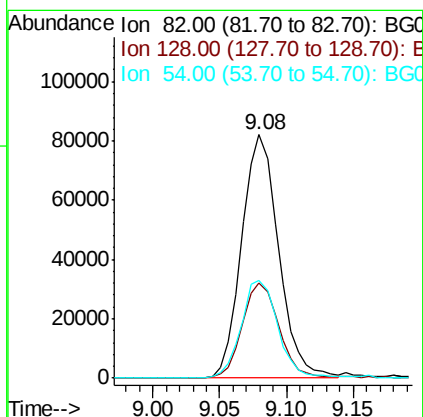
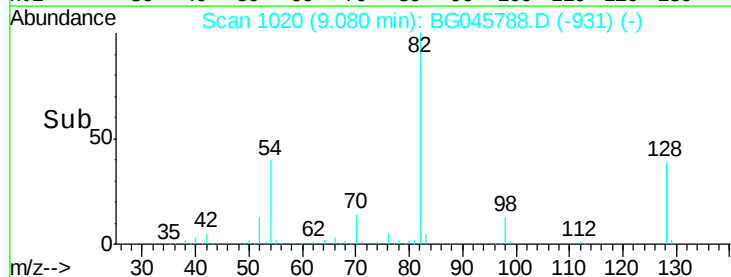
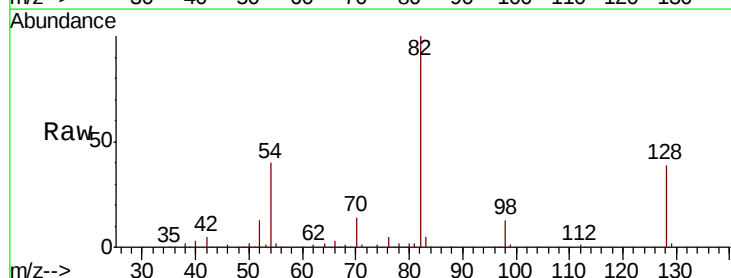
Instrument :  
BNA\_G  
ClientSampleId :  
BU-02-061020RE

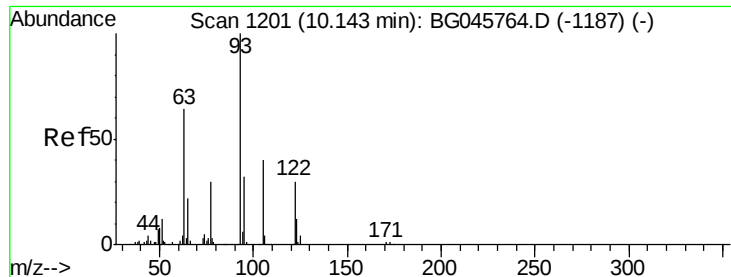
|             |       |        |
|-------------|-------|--------|
| Tot Ion:136 | Resp: | 324717 |
| Ion Ratio   | Lower | Upper  |
| 136 100     |       |        |
| 137 11.7    | 8.7   | 13.1   |
| 54 5.6      | 5.8   | 8.6#   |
| 68 5.4      | 4.0   | 6.0    |



#23  
Nitrobenzene-d5  
Concen: 22.142 ng  
RT: 9.08 min Scan# 1020  
Delta R.T. -0.01 min  
Lab File: BG045788.D  
Acq: 17 Jun 2020 13:23

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion: 82 | Resp: | 157387 |
| Ion | Ratio   | Lower | Upper  |
| 82  | 100     |       |        |
| 128 | 39.0    | 32.5  | 48.7   |
| 54  | 39.9    | 31.2  | 46.8   |





#32

Benzoic acid

Concen: 8.993 ng

RT: 10.12 min Scan# 1197

Delta R.T. -0.02 min

Lab File: BG045788.D

Acq: 17 Jun 2020 13:23

Instrument :

BNA\_G

ClientSampleId :

BU-02-061020RE

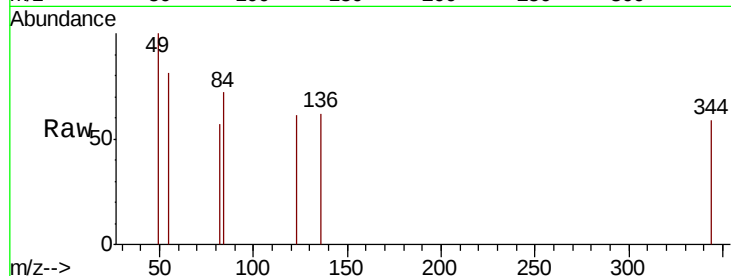
Tot Ion:122 Resp: 60

Ion Ratio Lower Upper

122 100

105 0.0 112.9 152.9#

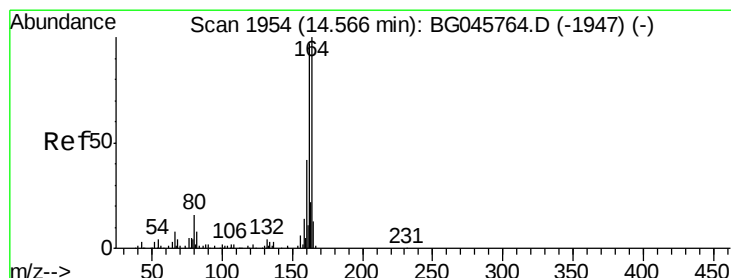
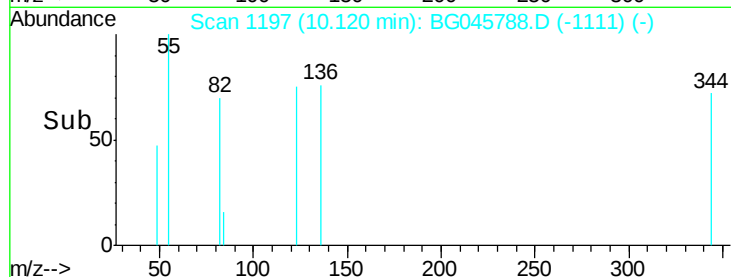
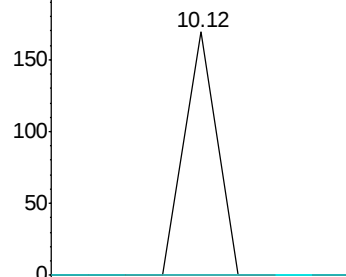
77 0.0 79.2 119.2#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): B



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.57 min Scan# 1954

Delta R.T. 0.00 min

Lab File: BG045788.D

Acq: 17 Jun 2020 13:23

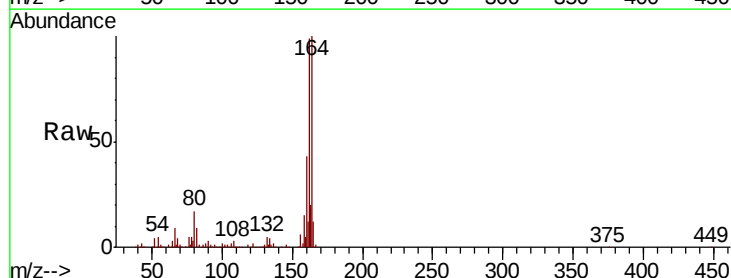
Tgt Ion:164 Resp: 217163

Ion Ratio Lower Upper

164 100

162 99.0 77.4 116.0

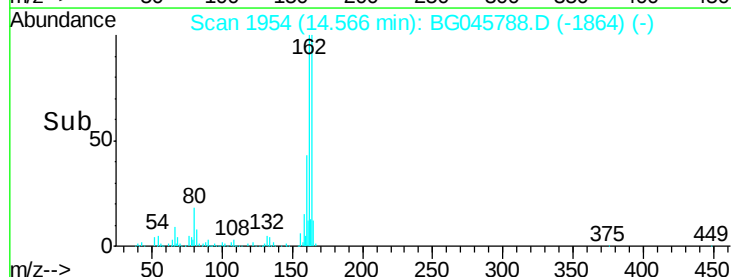
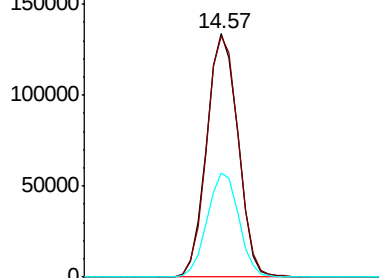
160 42.9 33.3 49.9

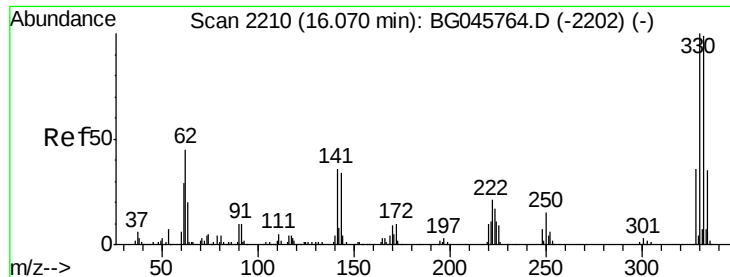


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

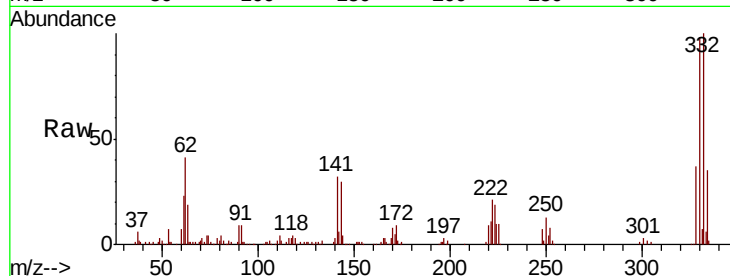




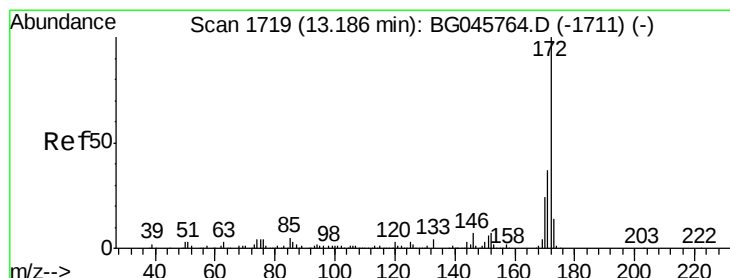
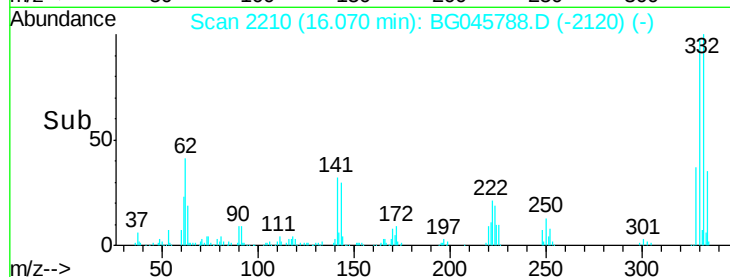
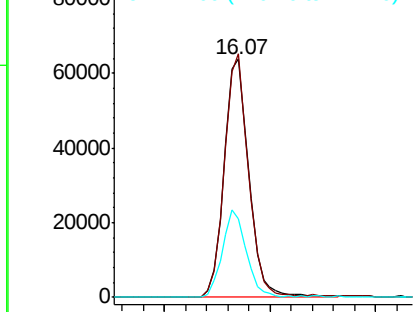
#42  
 2,4,6-Tribromophenol  
 Concen: 31.681 ng  
 RT: 16.07 min Scan# 2210  
 Delta R.T. 0.00 min  
 Lab File: BG045788.D  
 Acq: 17 Jun 2020 13:23

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BU-02-061020RE

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.9  | 78.6  | 117.8 |
| 141     | 35.3  | 28.2  | 42.4  |

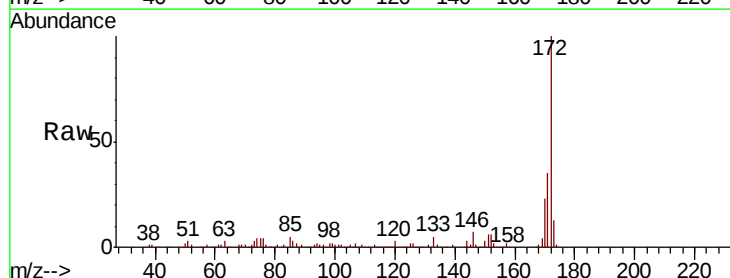


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

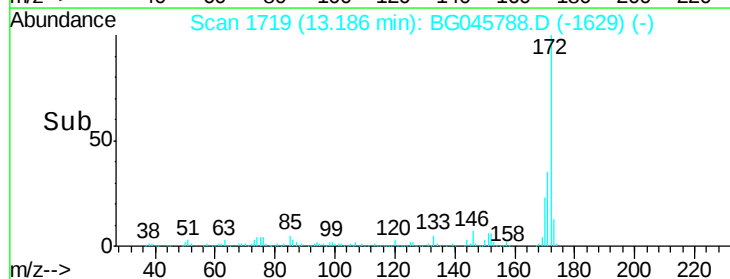
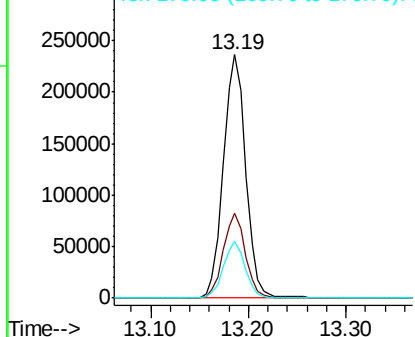


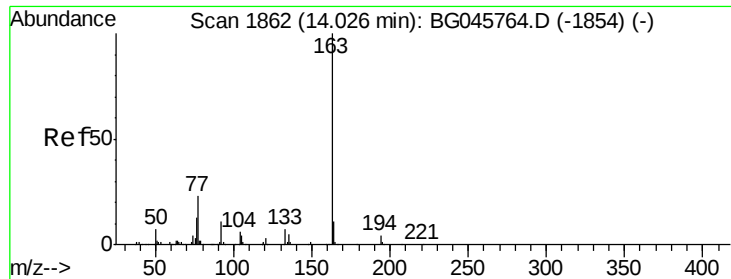
#45  
 2-Fluorobiphenyl  
 Concen: 25.402 ng  
 RT: 13.19 min Scan# 1719  
 Delta R.T. 0.00 min  
 Lab File: BG045788.D  
 Acq: 17 Jun 2020 13:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.1  | 29.9  | 44.9  |
| 170     | 23.1  | 19.3  | 28.9  |



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

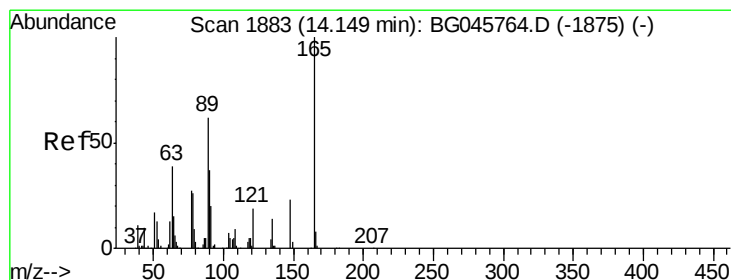
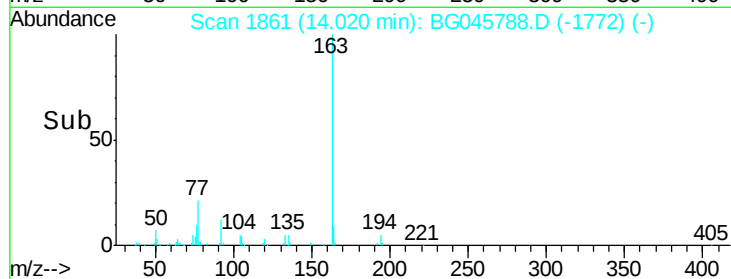
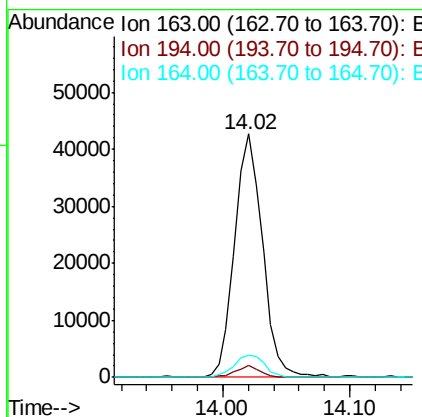
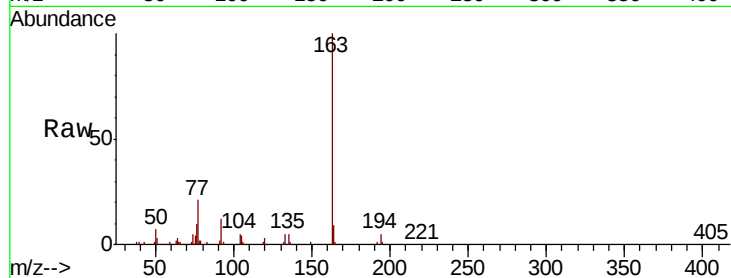




#50  
Dimethylphthalate  
Concen: 3.825 ng  
RT: 14.02 min Scan# 1861  
Delta R.T. -0.01 min  
Lab File: BG045788.D  
Acq: 17 Jun 2020 13:23

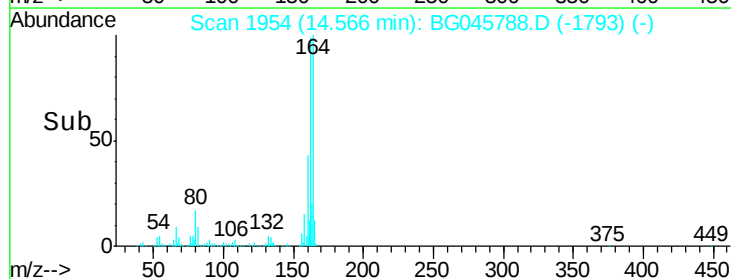
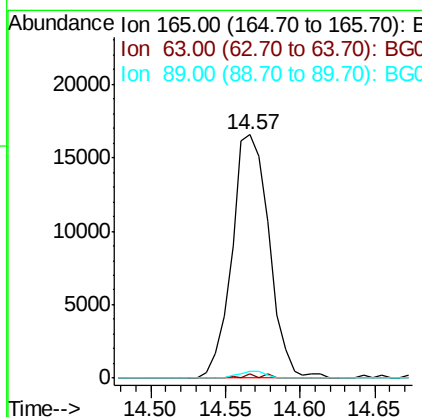
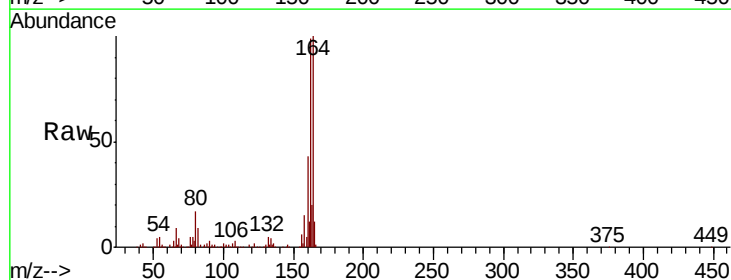
Instrument :  
BNA\_G  
ClientSampleId :  
BU-02-061020RE

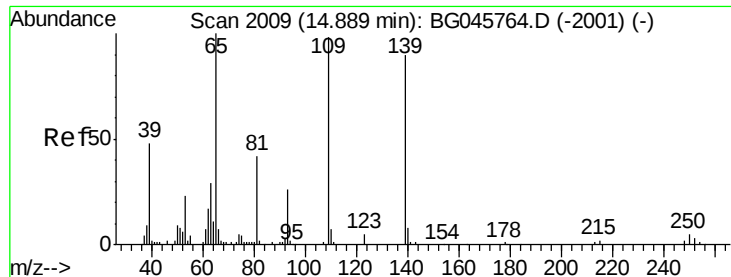
Tot Ion:163 Resp: 65072  
Ion Ratio Lower Upper  
163 100  
194 4.7 3.4 5.0  
164 9.0 8.9 13.3



#51  
2,6-Dinitrotoluene  
Concen: 7.489 ng  
RT: 14.57 min Scan# 1954  
Delta R.T. 0.42 min  
Lab File: BG045788.D  
Acq: 17 Jun 2020 13:23

Tgt Ion:165 Resp: 28617  
Ion Ratio Lower Upper  
165 100  
63 1.8 41.2 61.8#  
89 2.9 49.7 74.5#

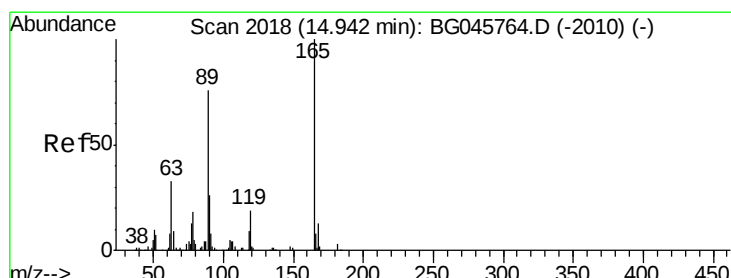
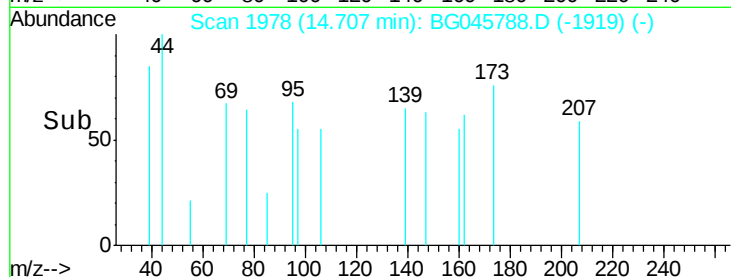
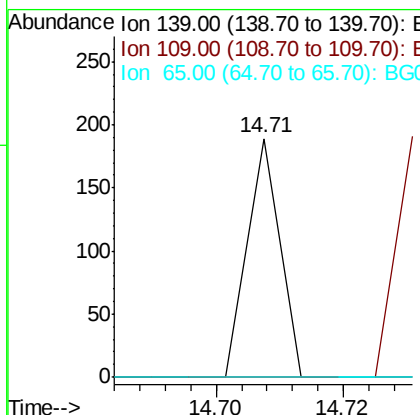
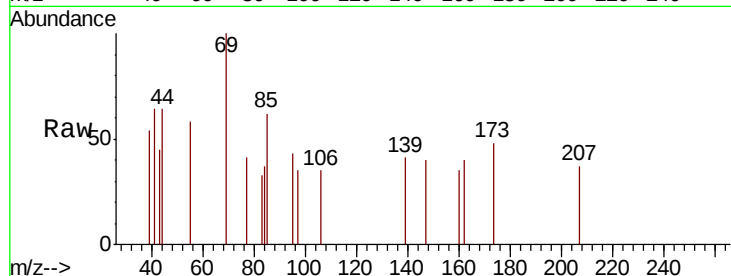




#56  
4-Nitrophenol  
Concen: 3.996 ng  
RT: 14.71 min Scan# 1978  
Delta R.T. -0.18 min  
Lab File: BG045788.D  
Acq: 17 Jun 2020 13:23

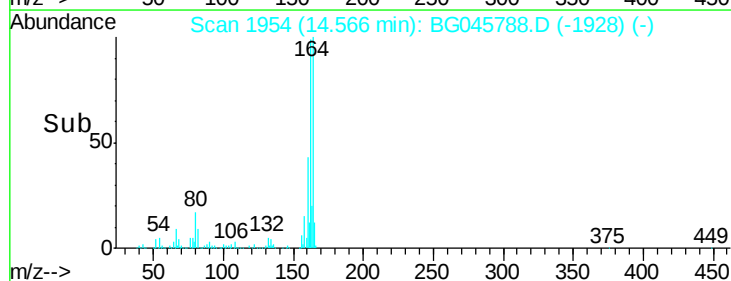
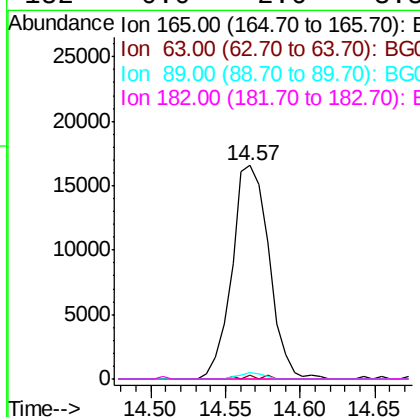
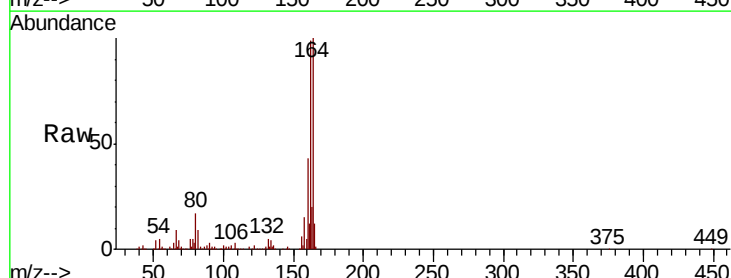
Instrument :  
BNA\_G  
ClientSampleId :  
BU-02-061020RE

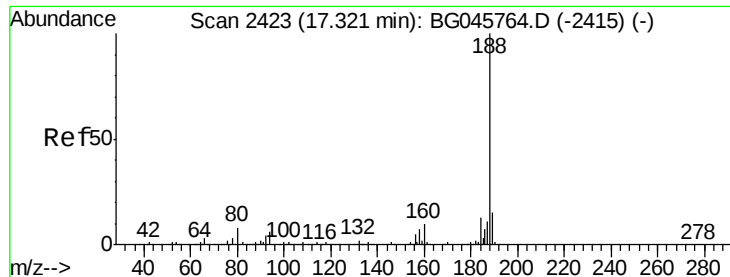
Tot Ion:139 Resp: 67  
Ion Ratio Lower Upper  
139 100  
109 0.0 88.9 128.9#  
65 0.0 92.3 132.3#



#57  
2,4-Dinitrotoluene  
Concen: 5.227 ng  
RT: 14.57 min Scan# 1954  
Delta R.T. -0.38 min  
Lab File: BG045788.D  
Acq: 17 Jun 2020 13:23

Tgt Ion:165 Resp: 28617  
Ion Ratio Lower Upper  
165 100  
63 1.8 33.8 50.8#  
89 2.9 60.4 90.6#  
182 0.0 2.6 3.8#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.32 min Scan# 2422

Delta R.T. -0.01 min

Lab File: BG045788.D

Acq: 17 Jun 2020 13:23

Instrument :

BNA\_G

ClientSampleId :

BU-02-061020RE

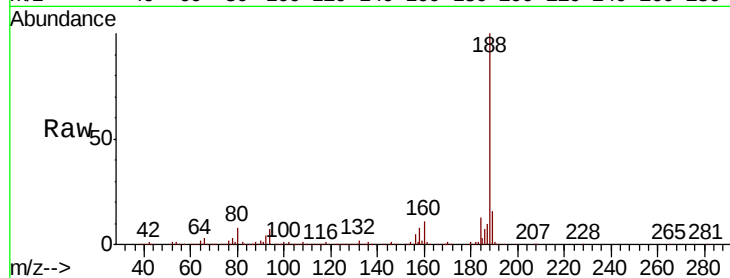
Tot Ion:188 Resp: 449233

Ion Ratio Lower Upper

188 100

94 6.9 5.1 7.7

80 8.4 6.2 9.4



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

17.32

300000

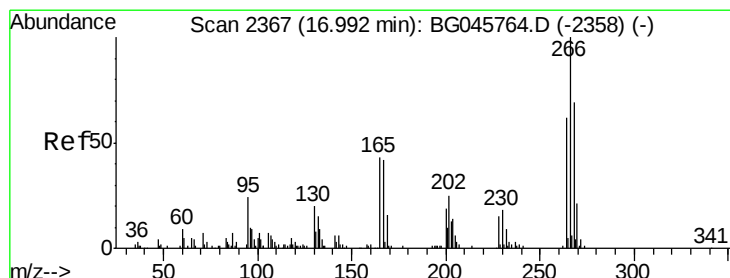
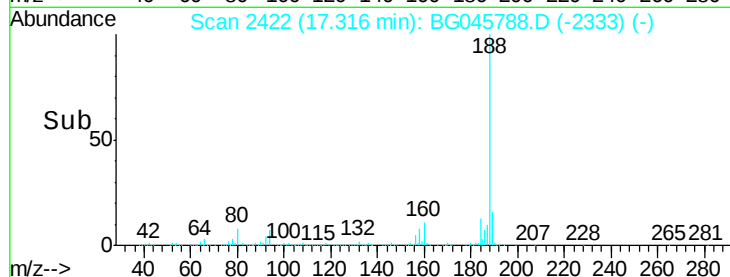
200000

100000

0

17.30 17.40

Time-->



#70

Pentachlorophenol

Concen: 7.648 ng

RT: 17.44 min Scan# 2443

Delta R.T. 0.45 min

Lab File: BG045788.D

Acq: 17 Jun 2020 13:23

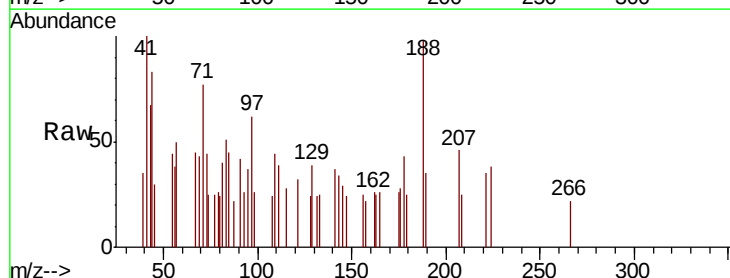
Tgt Ion:266 Resp: 53

Ion Ratio Lower Upper

266 100

268 0.0 55.4 83.0#

264 0.0 49.8 74.6#



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

17.44

200

150

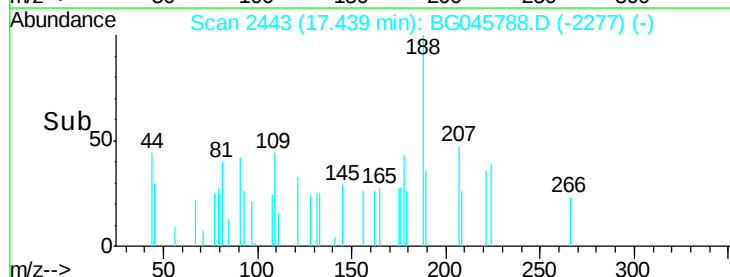
100

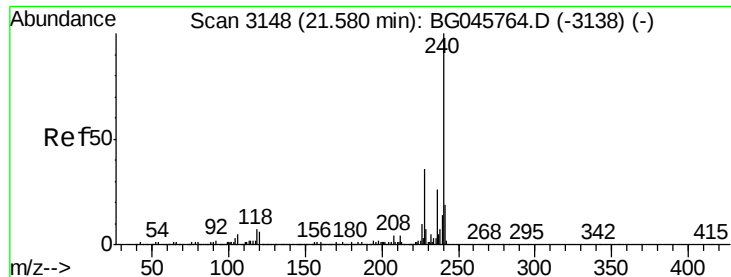
50

0

17.42 17.44

Time-->





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.57 min Scan# 3147

Delta R.T. -0.01 min

Lab File: BG045788.D

Acq: 17 Jun 2020 13:23

Instrument :

BNA\_G

ClientSampleId :

BU-02-061020RE

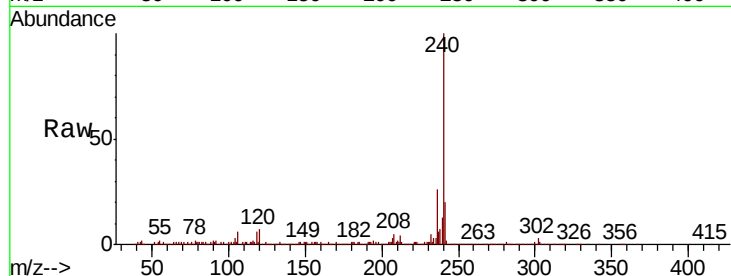
Tot Ion:240 Resp: 393748

Ion Ratio Lower Upper

240 100

120 6.9 5.0 7.4

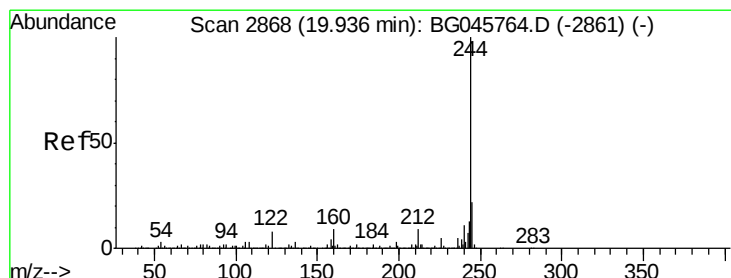
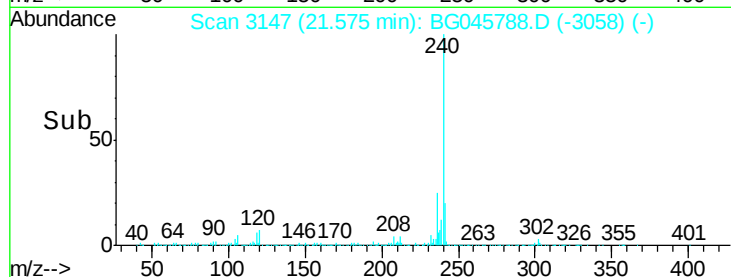
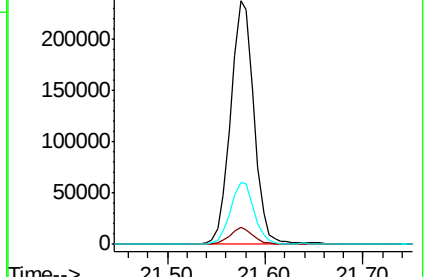
236 25.6 20.6 30.8



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: 27.037 ng

RT: 19.94 min Scan# 2868

Delta R.T. 0.00 min

Lab File: BG045788.D

Acq: 17 Jun 2020 13:23

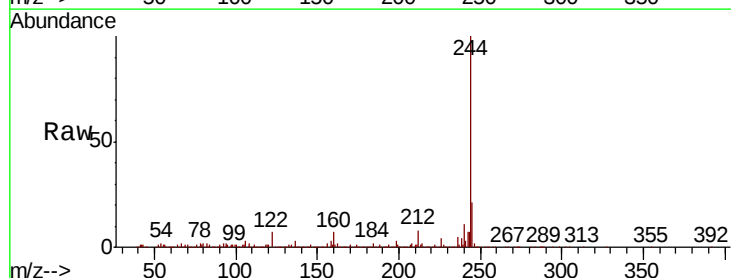
Tgt Ion:244 Resp: 525300

Ion Ratio Lower Upper

244 100

212 8.0 7.2 10.8

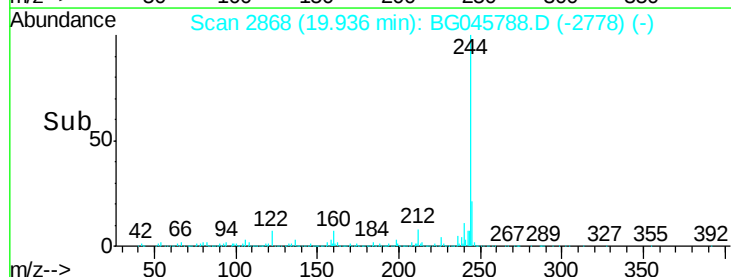
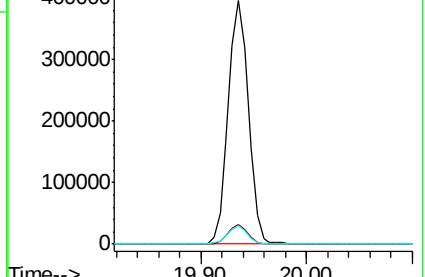
122 7.4 6.4 9.6

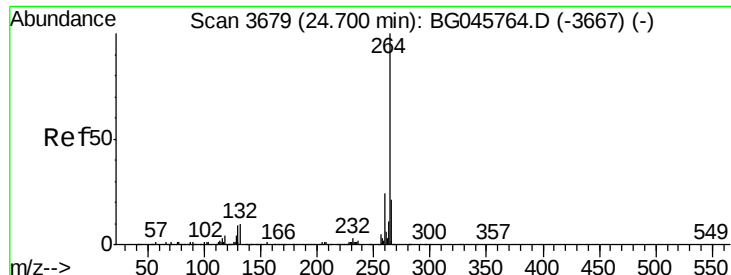


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

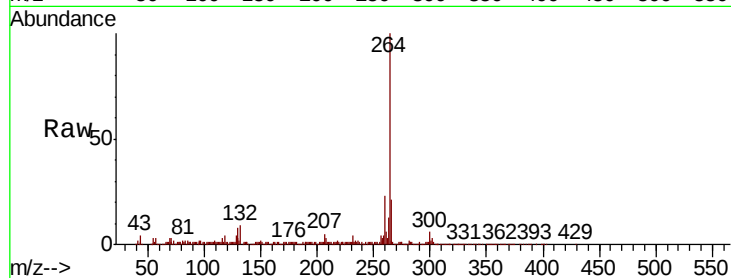




#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 24.71 min Scan# 3681  
Delta R.T. 0.01 min  
Lab File: BG045788.D  
Acq: 17 Jun 2020 13:23

Instrument :  
BNA\_G  
ClientSampleId :  
BU-02-061020RE

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.1  | 19.0  | 28.4  |
| 265     | 21.4  | 17.4  | 26.0  |



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

