

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091719\  
 Data File : BG042882.D  
 Acq On : 18 Sep 2019 00:29  
 Operator : HP/JU  
 Sample : K4871-01  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 VE-4-11

Quant Time: Sep 18 01:54:36 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG091219.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 12 14:06:09 2019  
 Response via : Initial Calibration

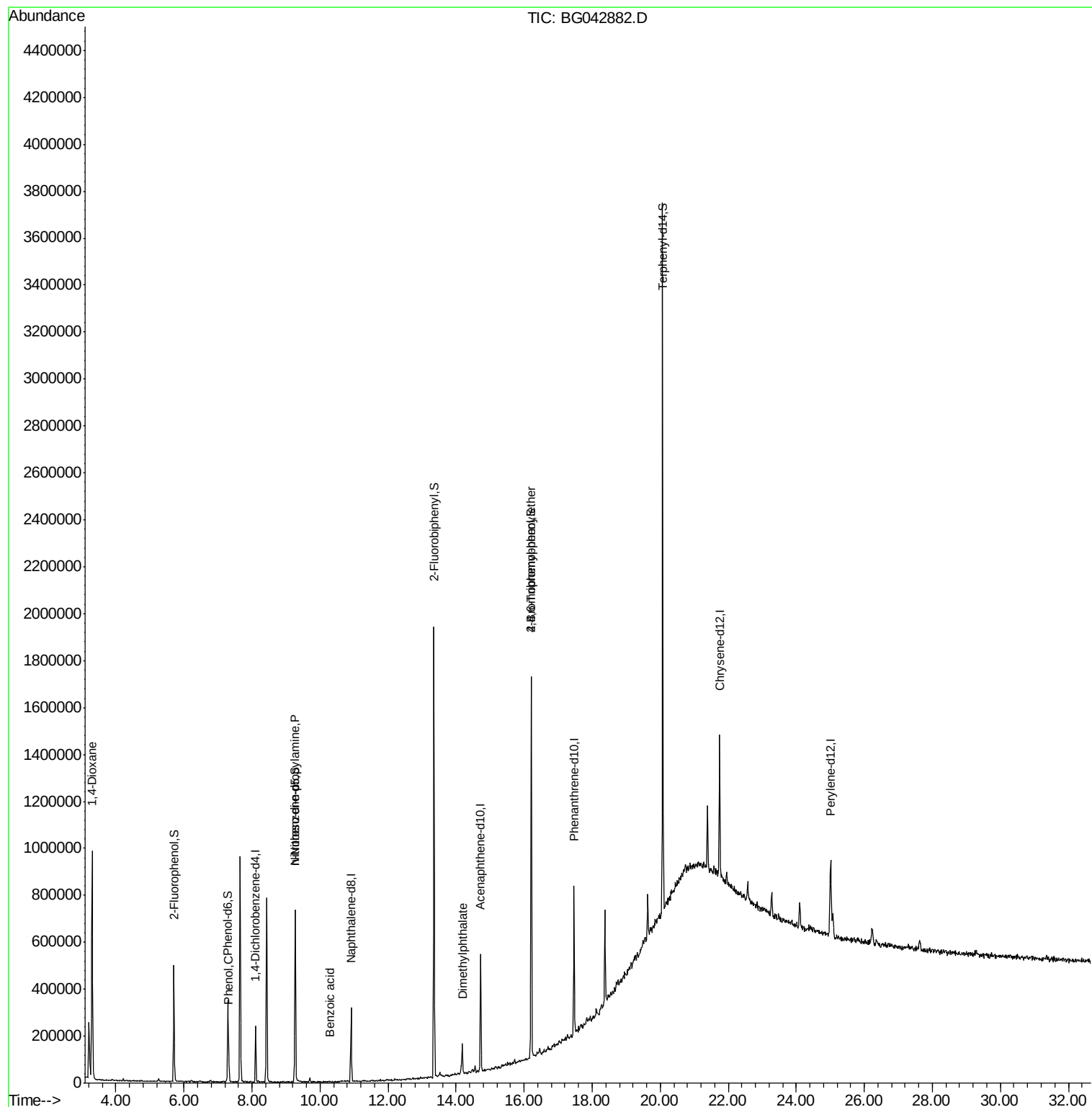
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.11  | 152  | 62163    | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8             | 10.91 | 136  | 262195   | 20.00  | ng    | -0.02    |
| 39) Acenaphthene-d10           | 14.72 | 164  | 175360   | 20.00  | ng    | -0.02    |
| 64) Phenanthrene-d10           | 17.46 | 188  | 389746   | 20.00  | ng    | -0.02    |
| 76) Chrysene-d12               | 21.75 | 240  | 364422   | 20.00  | ng    | -0.01    |
| 87) Perylene-d12               | 25.01 | 264  | 390139   | 20.00  | ng    | -0.03    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.70  | 112  | 194924   | 54.52  | ng    | 0.01     |
| 7) Phenol-d6                   | 7.29  | 99   | 179378   | 34.95  | ng    | 0.03     |
| 23) Nitrobenzene-d5            | 9.27  | 82   | 437731   | 86.92  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol       | 16.21 | 330  | 322247   | 138.12 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 13.35 | 172  | 999852   | 90.25  | ng    | -0.02    |
| 79) Terphenyl-d14              | 20.07 | 244  | 1448431  | 88.09  | ng    | -0.02    |
| Target Compounds               |       |      |          |        |       |          |
| 2) 1,4-Dioxane                 | 3.30  | 88   | 8205     | 5.028  | ng    | # 1      |
| 10) Phenol                     | 7.32  | 94   | 36410    | 6.918  | ng    | # 89     |
| 19) n-Nitroso-di-n-propylamine | 9.27  | 70   | 64324    | 17.009 | ng    | # 71     |
| 32) Benzoic acid               | 10.28 | 122  | 87       | 5.990  | ng    | # 1      |
| 50) Dimethylphthalate          | 14.18 | 163  | 84844    | 6.459  | ng    | # 98     |
| 67) 4-Bromophenyl-phenylether  | 16.21 | 248  | 21546    | 4.567  | ng    | # 1      |

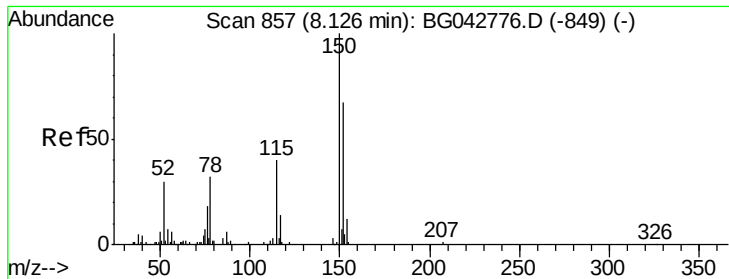
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Sep 12 14:06:09 2019  
Response via : Initial Calibration



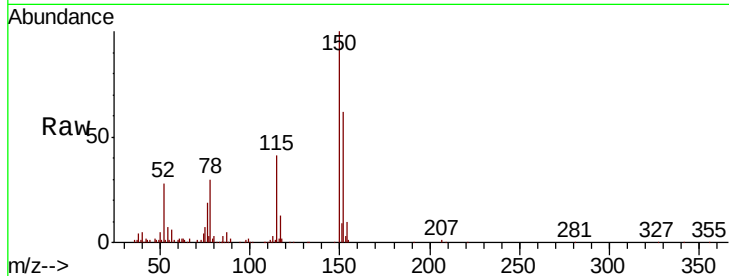


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.11 min Scan# 854  
Delta R.T. -0.02 min  
Lab File: BG042882.D  
Acq: 18 Sep 2019 00:29

Instrument :  
BNA\_G  
ClientSampleId :  
VE-4-11

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 161.3 | 118.9 | 178.3 |
| 115     | 65.9  | 47.4  | 71.2  |

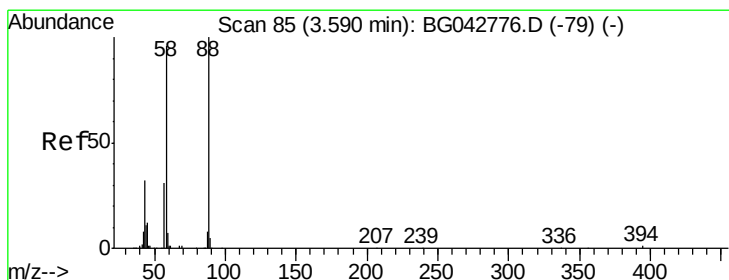
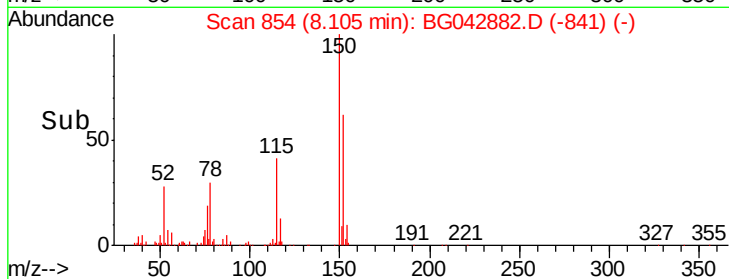
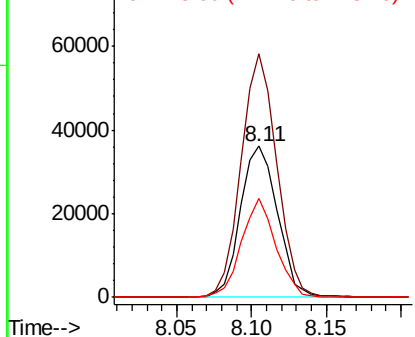


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

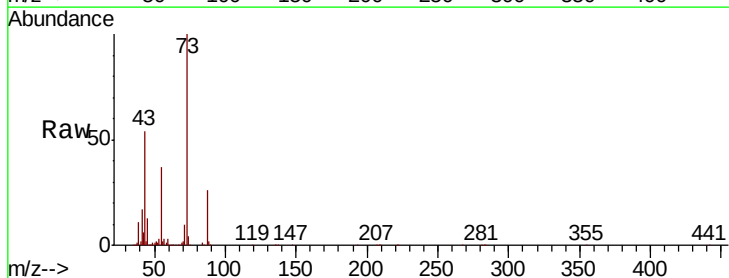
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane  
Concen: 5.028 ng  
RT: 3.30 min Scan# 36  
Delta R.T. -0.29 min  
Lab File: BG042882.D  
Acq: 18 Sep 2019 00:29

| Tgt Ion | Ratio  | Lower | Upper  |
|---------|--------|-------|--------|
| 88      | 100    |       |        |
| 58      | 55.8   | 79.1  | 118.7# |
| 43      | 3365.3 | 30.4  | 45.6#  |

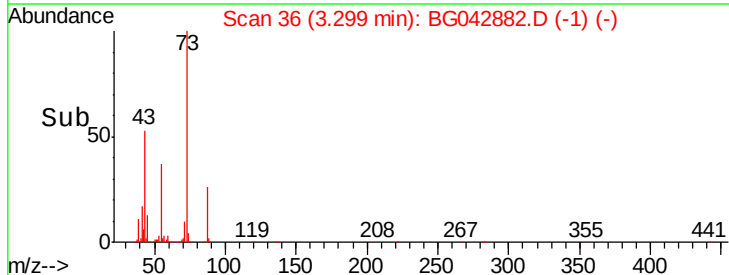
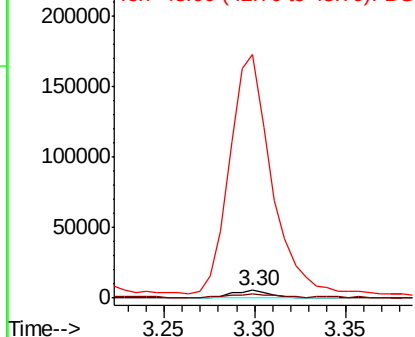


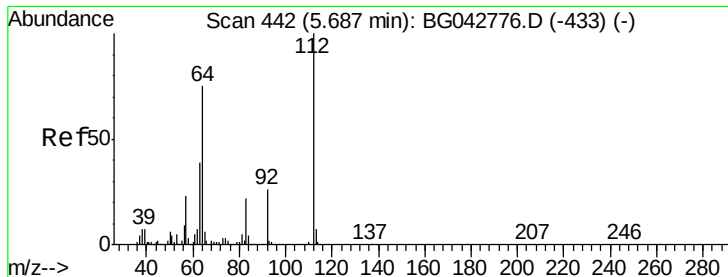
Abundance

Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 54.516 ng

RT: 5.70 min Scan# 445

Delta R.T. 0.01 min

Lab File: BG042882.D

Acq: 18 Sep 2019 00:29

Instrument :

BNA\_G

ClientSampleId :

VE-4-11

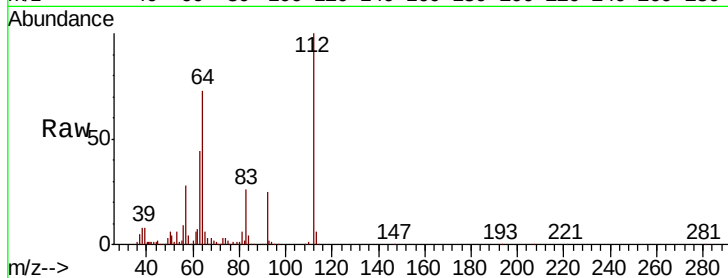
Tot Ion: 112 Resp: 194924

Ion Ratio Lower Upper

112 100

64 72.8 60.2 90.2

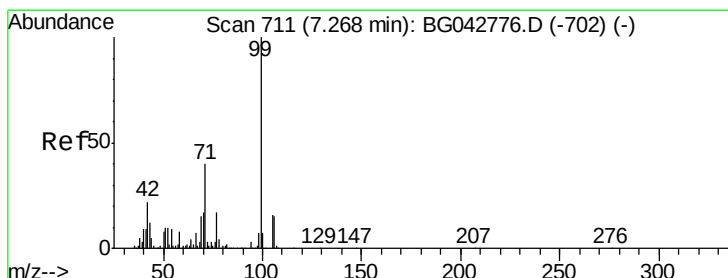
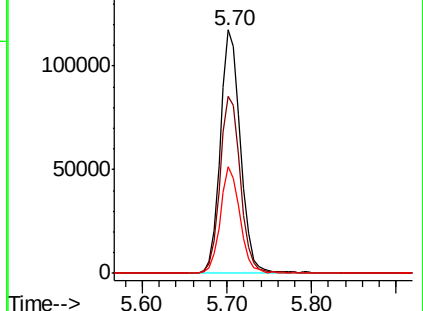
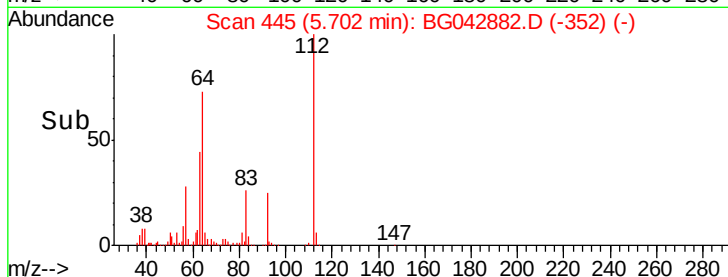
63 43.8 31.2 46.8



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 34.952 ng

RT: 7.29 min Scan# 716

Delta R.T. 0.03 min

Lab File: BG042882.D

Acq: 18 Sep 2019 00:29

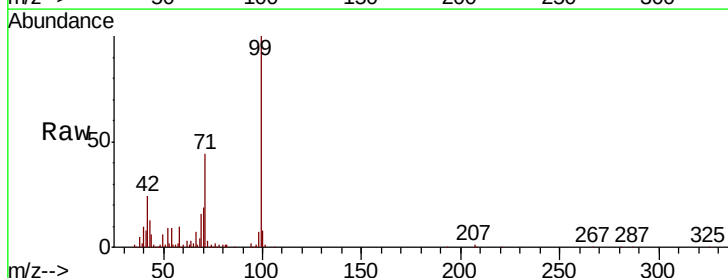
Tgt Ion: 99 Resp: 179378

Ion Ratio Lower Upper

99 100

42 24.3 17.5 26.3

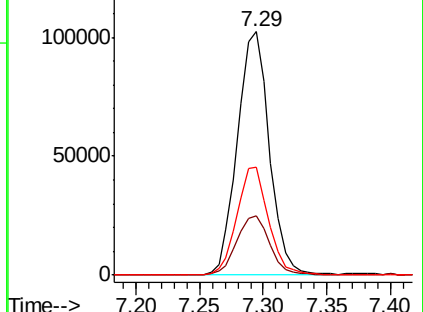
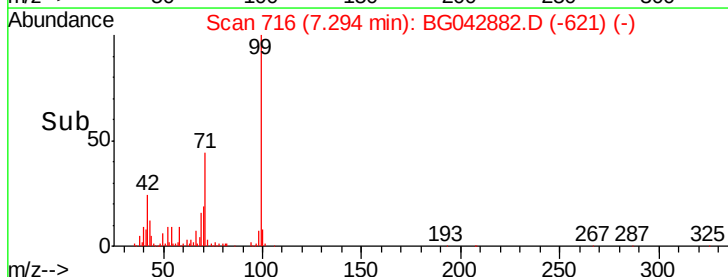
71 44.2 32.0 48.0

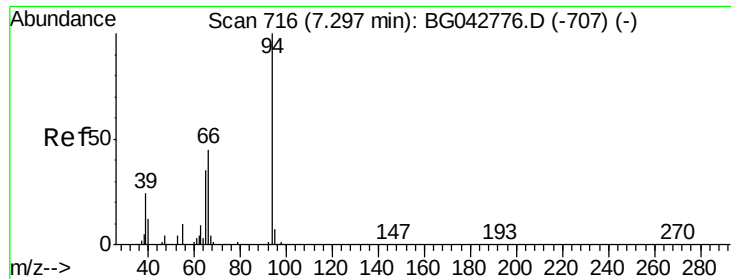


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#10

Phenol

Concen: 6.918 ng

RT: 7.32 min Scan# 720

Delta R.T. 0.02 min

Lab File: BG042882.D

Acq: 18 Sep 2019 00:29

Instrument :

BNA\_G

ClientSampled :

VE-4-11

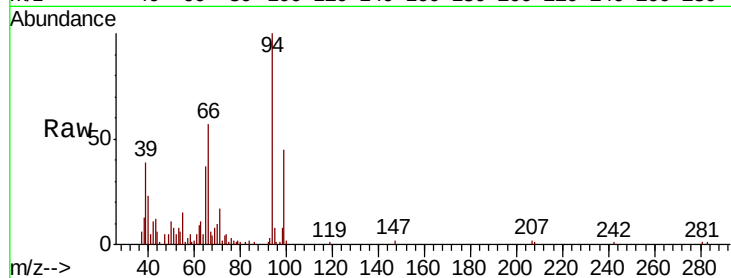
Tot Ion: 94 Resp: 36410

Ion Ratio Lower Upper

94 100

65 36.8 15.0 55.0

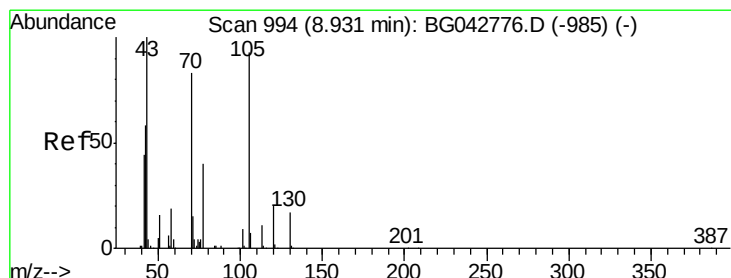
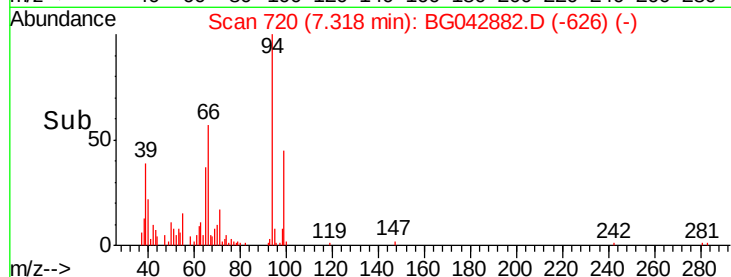
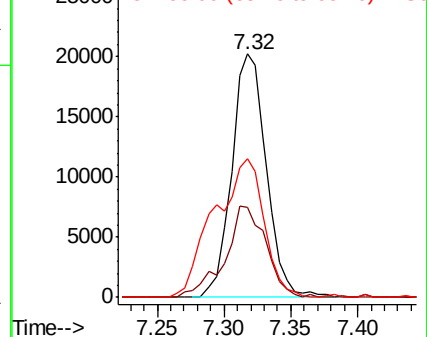
66 56.8 26.1 66.1



Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 17.009 ng

RT: 9.27 min Scan# 1052

Delta R.T. 0.34 min

Lab File: BG042882.D

Acq: 18 Sep 2019 00:29

Tgt Ion: 70 Resp: 64324

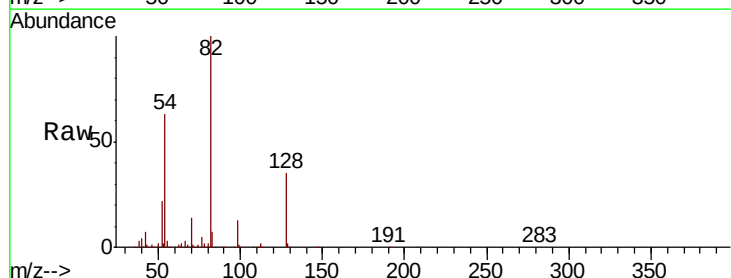
Ion Ratio Lower Upper

70 100

42 50.2 57.0 85.6#

101 0.0 8.4 12.6#

130 1.2 16.1 24.1#

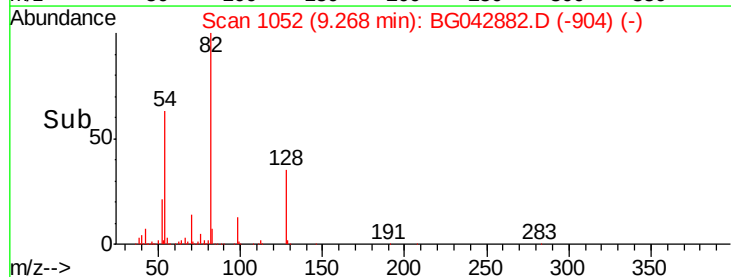
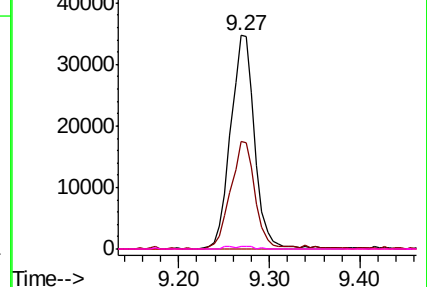


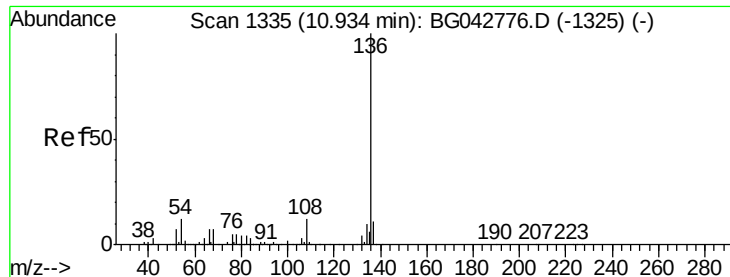
Abundance Ion 70.00 (69.70 to 70.70): BGC

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: 10.91 min Scan# 1332

Delta R.T. -0.02 min

Lab File: BG042882.D

Acq: 18 Sep 2019 00:29

Instrument :

BNA\_G

ClientSampleId :

VE-4-11

Tot Ion:136 Resp: 262195

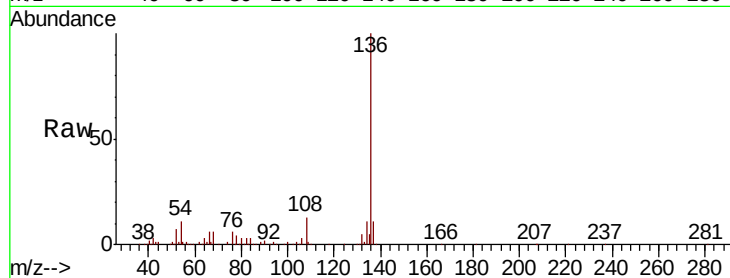
Ion Ratio Lower Upper

136 100

137 11.5 9.0 13.6

54 10.7 9.4 14.0

68 5.8 5.4 8.2

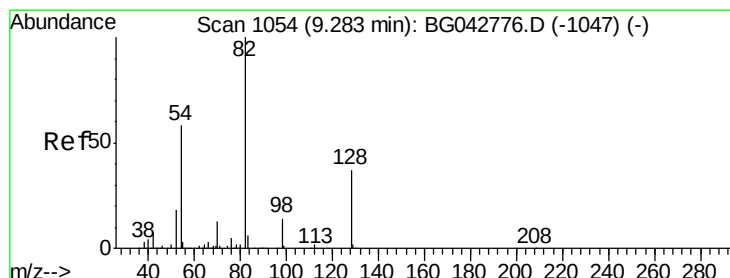
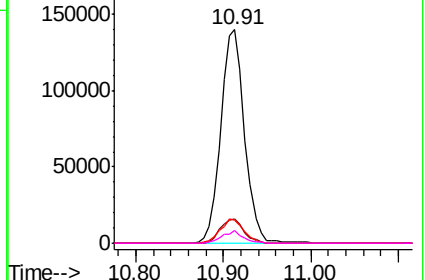
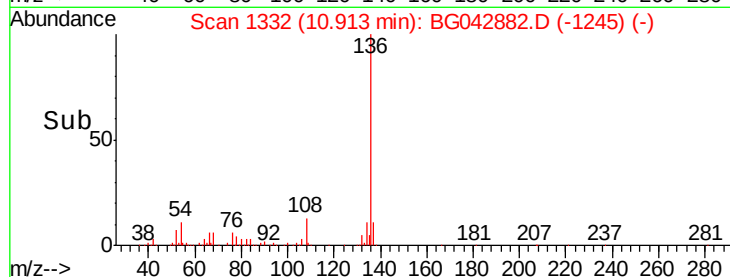


Abundance Ion 136.00 (135.70 to 136.70): E

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: 86.918 ng

RT: 9.27 min Scan# 1052

Delta R.T. -0.01 min

Lab File: BG042882.D

Acq: 18 Sep 2019 00:29

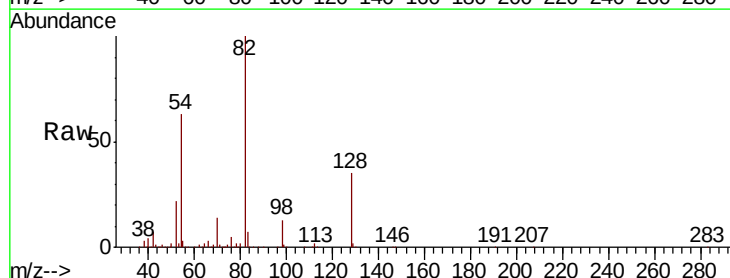
Tgt Ion: 82 Resp: 437731

Ion Ratio Lower Upper

82 100

128 35.1 29.8 44.8

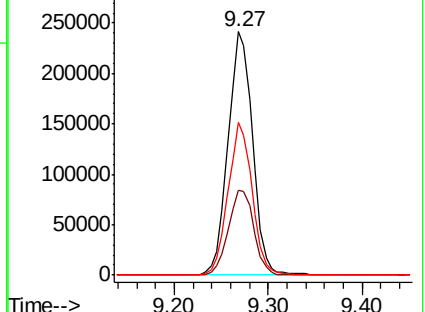
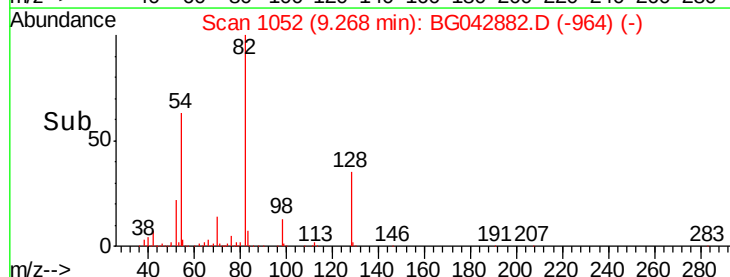
54 62.6 46.1 69.1

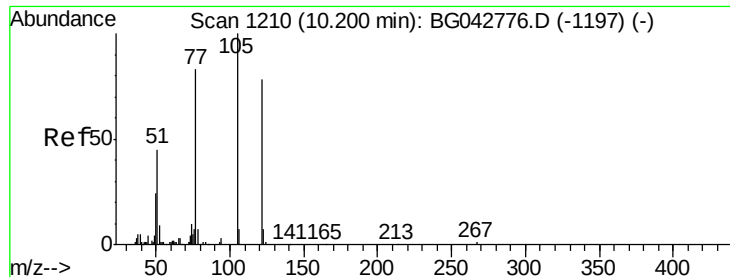


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

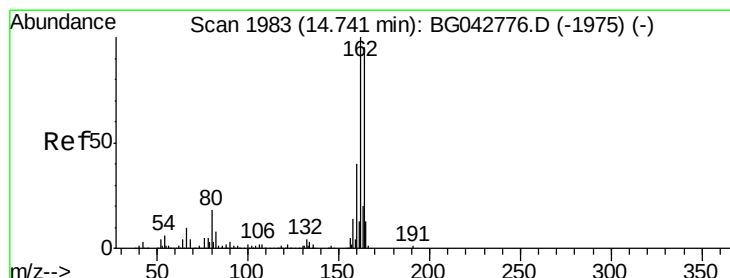
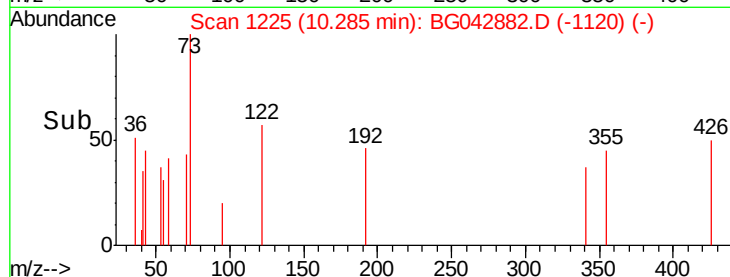
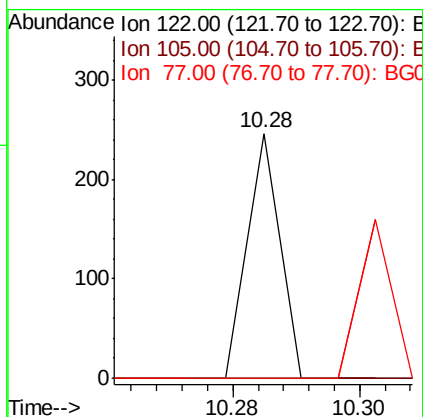
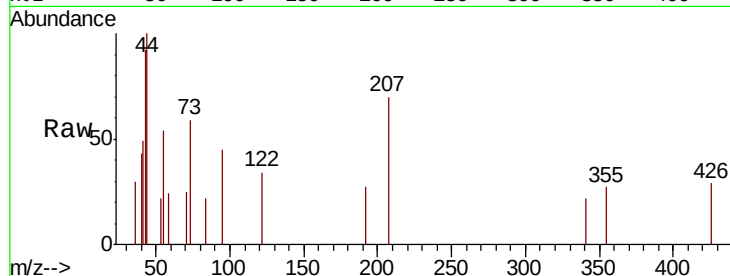




#32  
Benzoic acid  
Concen: 5.990 ng  
RT: 10.28 min Scan# 1225  
Delta R.T. 0.09 min  
Lab File: BG042882.D  
Acq: 18 Sep 2019 00:29

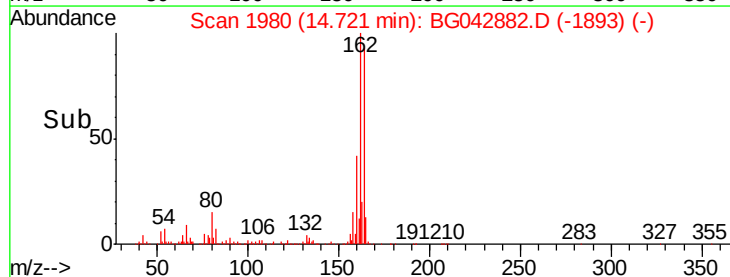
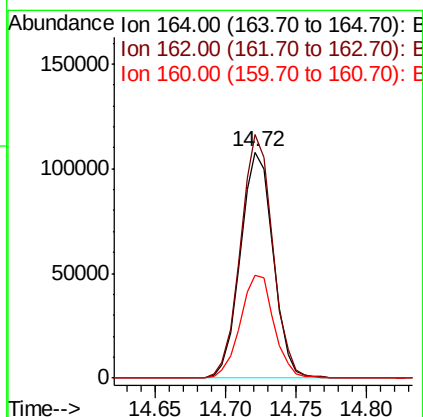
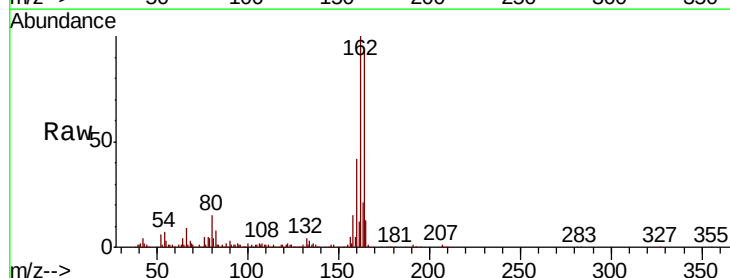
Instrument :  
BNA\_G  
ClientSampleId :  
VE-4-11

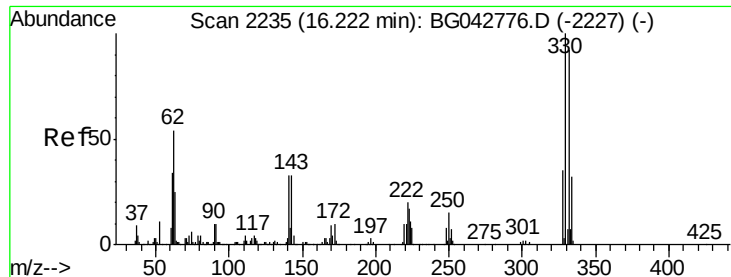
| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 122     | 100   |       |        |
| 105     | 0.0   | 104.0 | 144.0# |
| 77      | 0.0   | 84.2  | 124.2# |



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.72 min Scan# 1980  
Delta R.T. -0.02 min  
Lab File: BG042882.D  
Acq: 18 Sep 2019 00:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 107.6 | 84.6  | 126.8 |
| 160     | 45.7  | 34.2  | 51.2  |

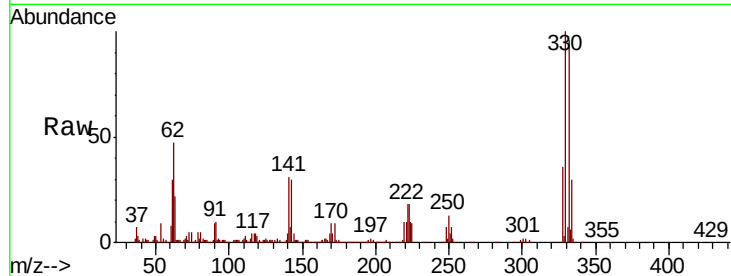




#42  
 2,4,6-Tribromophenol  
 Concen: 138.124 ng  
 RT: 16.21 min Scan# 2234  
 Delta R.T. -0.01 min  
 Lab File: BG042882.D  
 Acq: 18 Sep 2019 00:29

Instrument :  
 BNA\_G  
 ClientSampleId :  
 VE-4-11

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.0  | 76.7  | 115.1 |
| 141     | 33.7  | 27.0  | 40.6  |

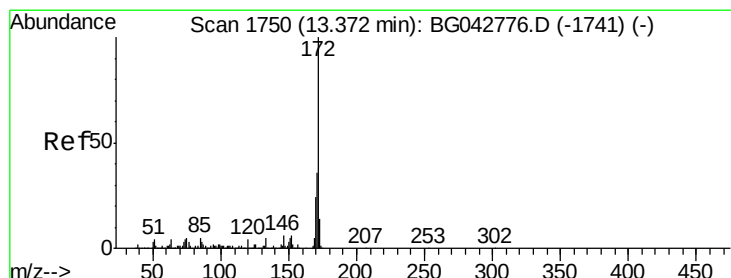
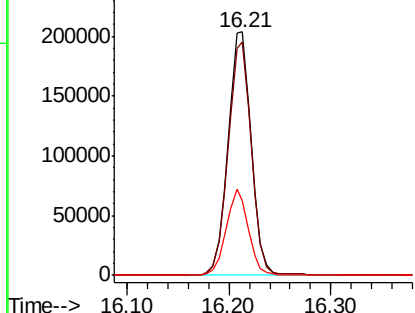
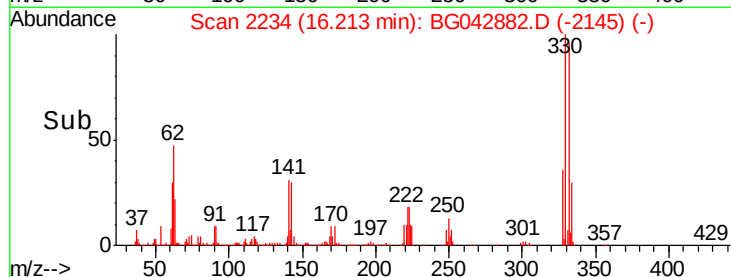


Abundance

Ion 329.80 (329.50 to 330.50): E

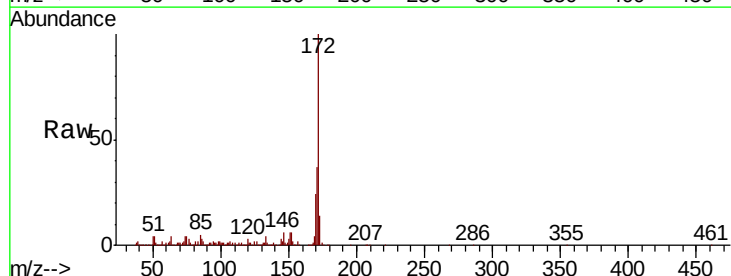
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45  
 2-Fluorobiphenyl  
 Concen: 90.254 ng  
 RT: 13.35 min Scan# 1747  
 Delta R.T. -0.02 min  
 Lab File: BG042882.D  
 Acq: 18 Sep 2019 00:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.1  | 28.9  | 43.3  |
| 170     | 24.1  | 19.1  | 28.7  |

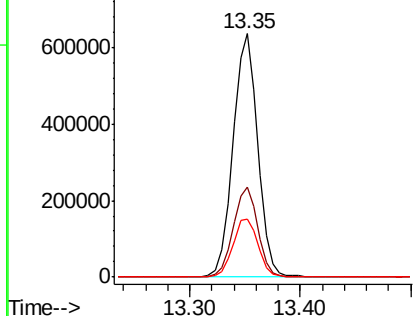
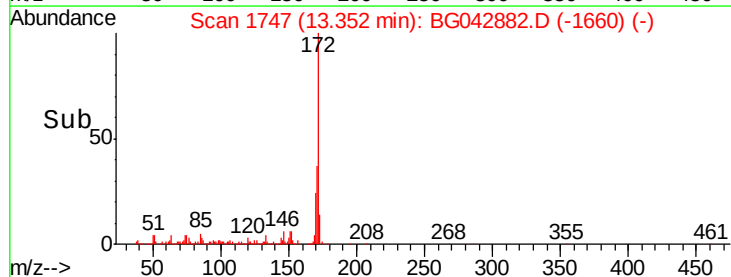


Abundance

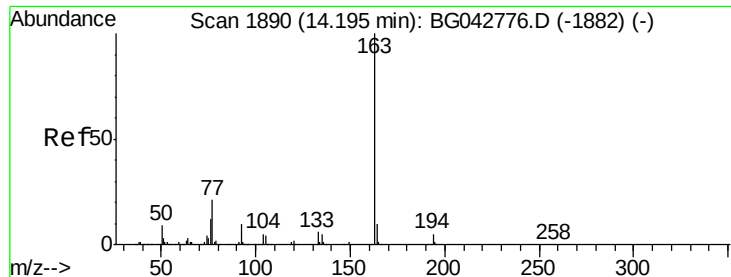
Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E







#50

Dimethylphthalate

Concen: 6.459 ng

RT: 14.18 min Scan# 1888

Delta R.T. -0.01 min

Lab File: BG042882.D

Acq: 18 Sep 2019 00:29

Instrument :

BNA\_G

ClientSampleId :

VE-4-11

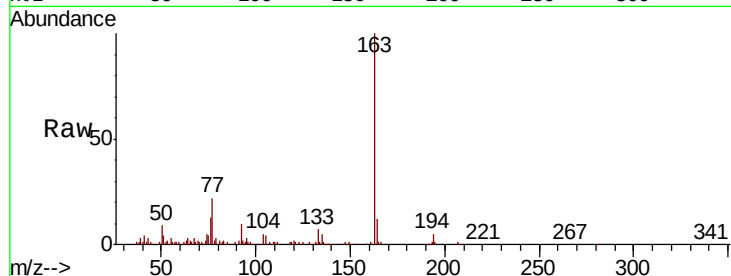
Tot Ion:163 Resp: 84844

Ion Ratio Lower Upper

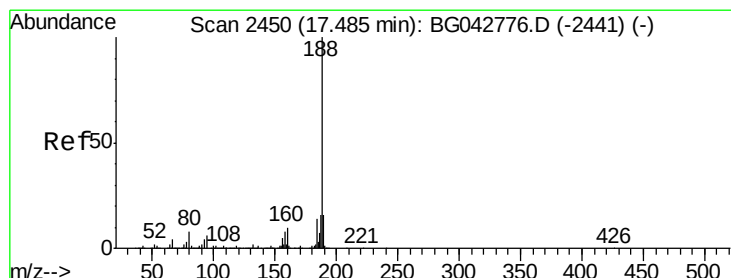
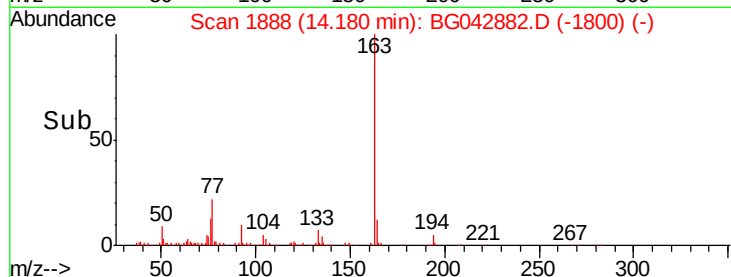
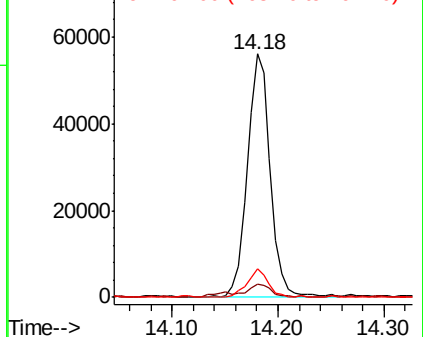
163 100

194 5.4 4.2 6.4

164 11.8 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.46 min Scan# 2447

Delta R.T. -0.02 min

Lab File: BG042882.D

Acq: 18 Sep 2019 00:29

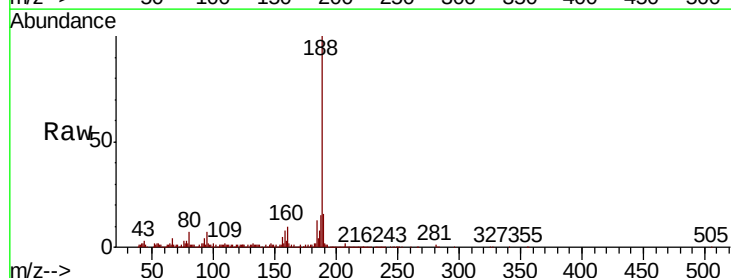
Tgt Ion:188 Resp: 389746

Ion Ratio Lower Upper

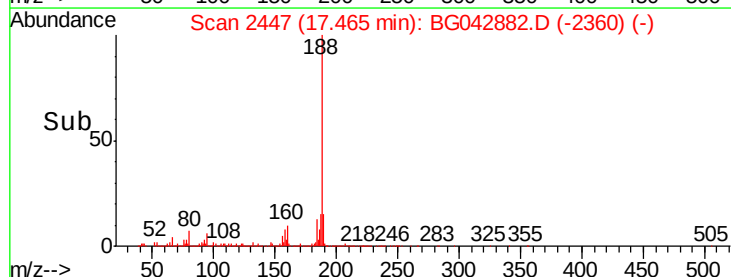
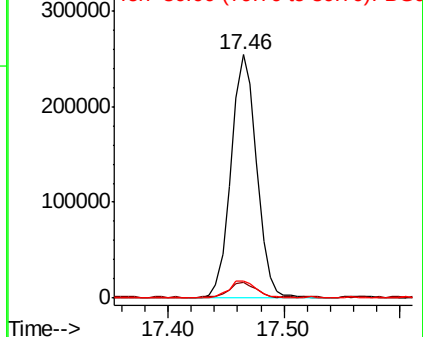
188 100

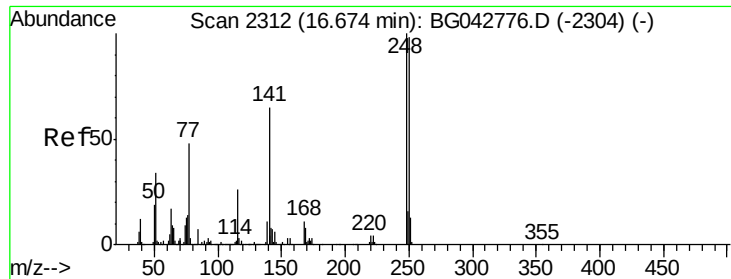
94 6.6 4.8 7.2

80 7.1 6.6 9.8



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

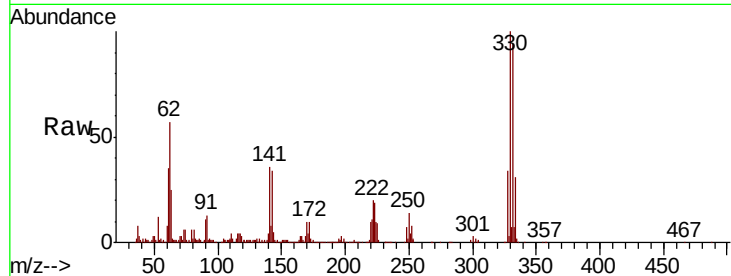




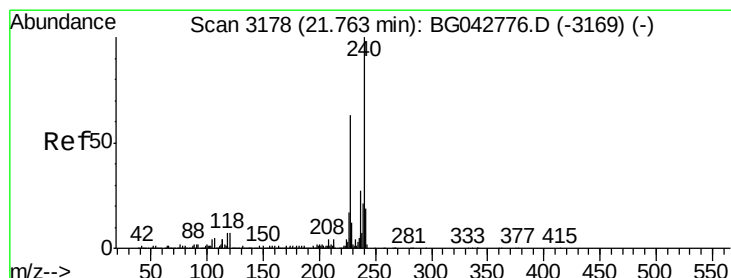
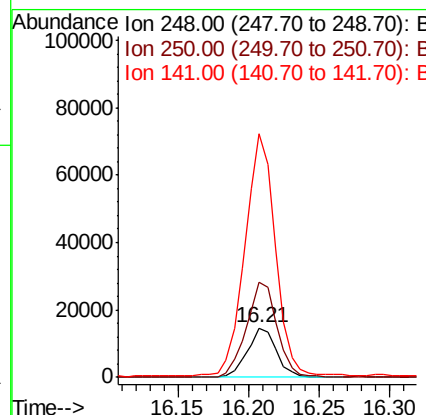
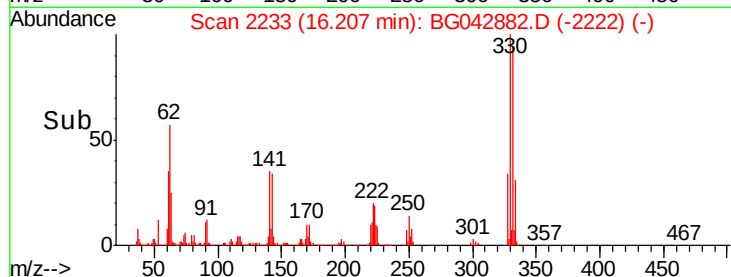
#67  
4-Bromophenyl-phenylether  
Concen: 4.567 ng  
RT: 16.21 min Scan# 2233  
Delta R.T. -0.47 min  
Lab File: BG042882.D  
Acq: 18 Sep 2019 00:29

Instrument :  
BNA\_G  
ClientSampleId :  
VE-4-11

Tot Ion:248 Resp: 21546  
Ion Ratio Lower Upper  
248 100  
250 193.0 78.0 117.0#  
141 492.7 51.8 77.6#

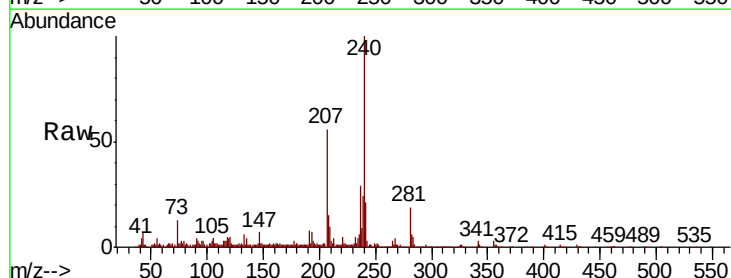


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

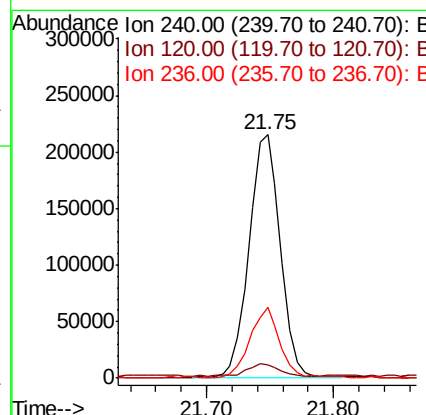
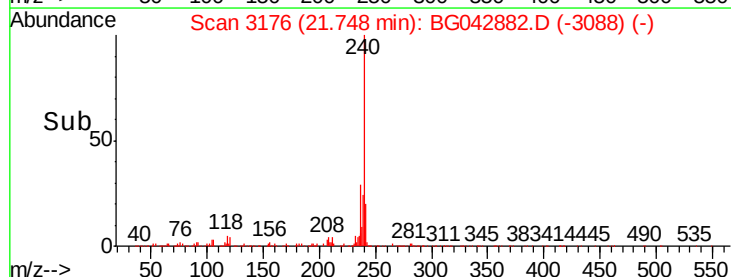


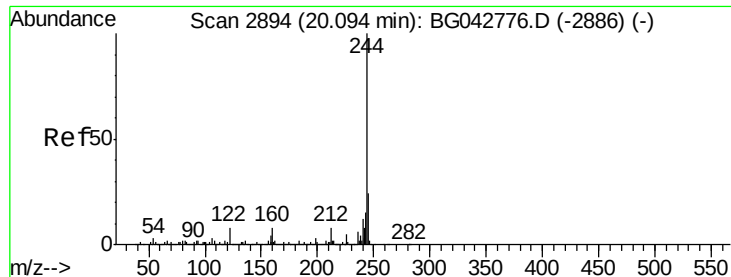
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.75 min Scan# 3176  
Delta R.T. -0.01 min  
Lab File: BG042882.D  
Acq: 18 Sep 2019 00:29

Tgt Ion:240 Resp: 364422  
Ion Ratio Lower Upper  
240 100  
120 5.4 5.4 8.2#  
236 29.0 21.7 32.5



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: 88.088 ng

RT: 20.07 min Scan# 2891

Delta R.T. -0.02 min

Lab File: BG042882.D

Acq: 18 Sep 2019 00:29

Instrument :

BNA\_G

ClientSampled :

VE-4-11

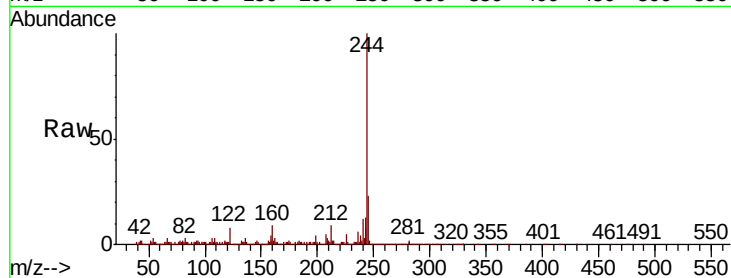
Tot Ion:244 Resp: 1448431

Ion Ratio Lower Upper

244 100

212 8.7 6.6 10.0

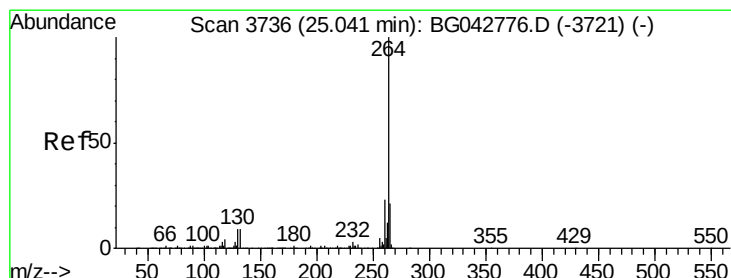
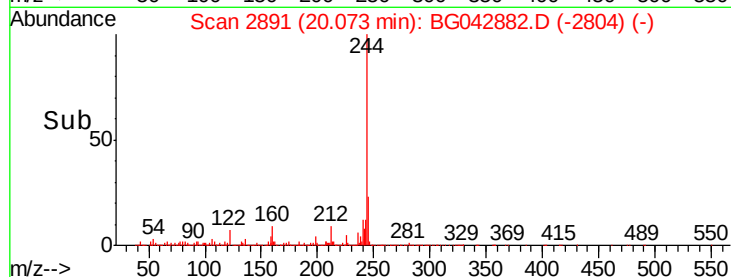
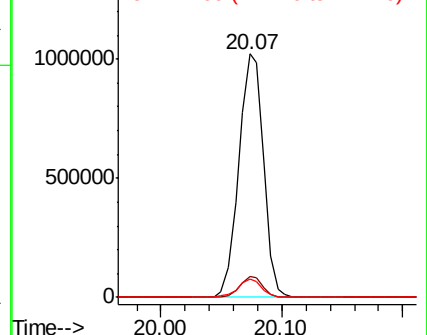
122 7.6 6.2 9.4



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.01 min Scan# 3731

Delta R.T. -0.03 min

Lab File: BG042882.D

Acq: 18 Sep 2019 00:29

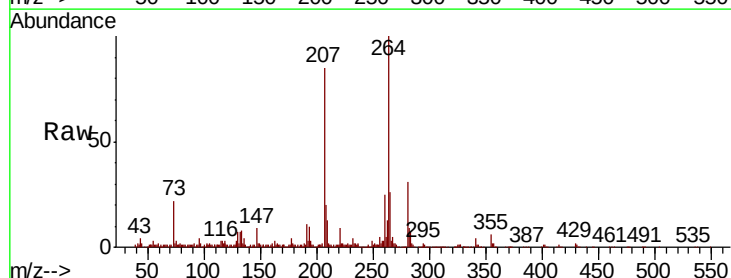
Tgt Ion:264 Resp: 390139

Ion Ratio Lower Upper

264 100

260 25.1 18.2 27.2

265 25.8 16.9 25.3#



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

