

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101215\  
 Data File : BG019160.D  
 Acq On : 12 Oct 2015 13:40  
 Operator : UM/NP  
 Sample : G3989-03  
 Misc :  
 ALS Vial : 51 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 OW1-C5-GW

Quant Time: Oct 13 01:05:03 2015  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG101015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Oct 10 07:04:31 2015  
 Response via : Initial Calibration

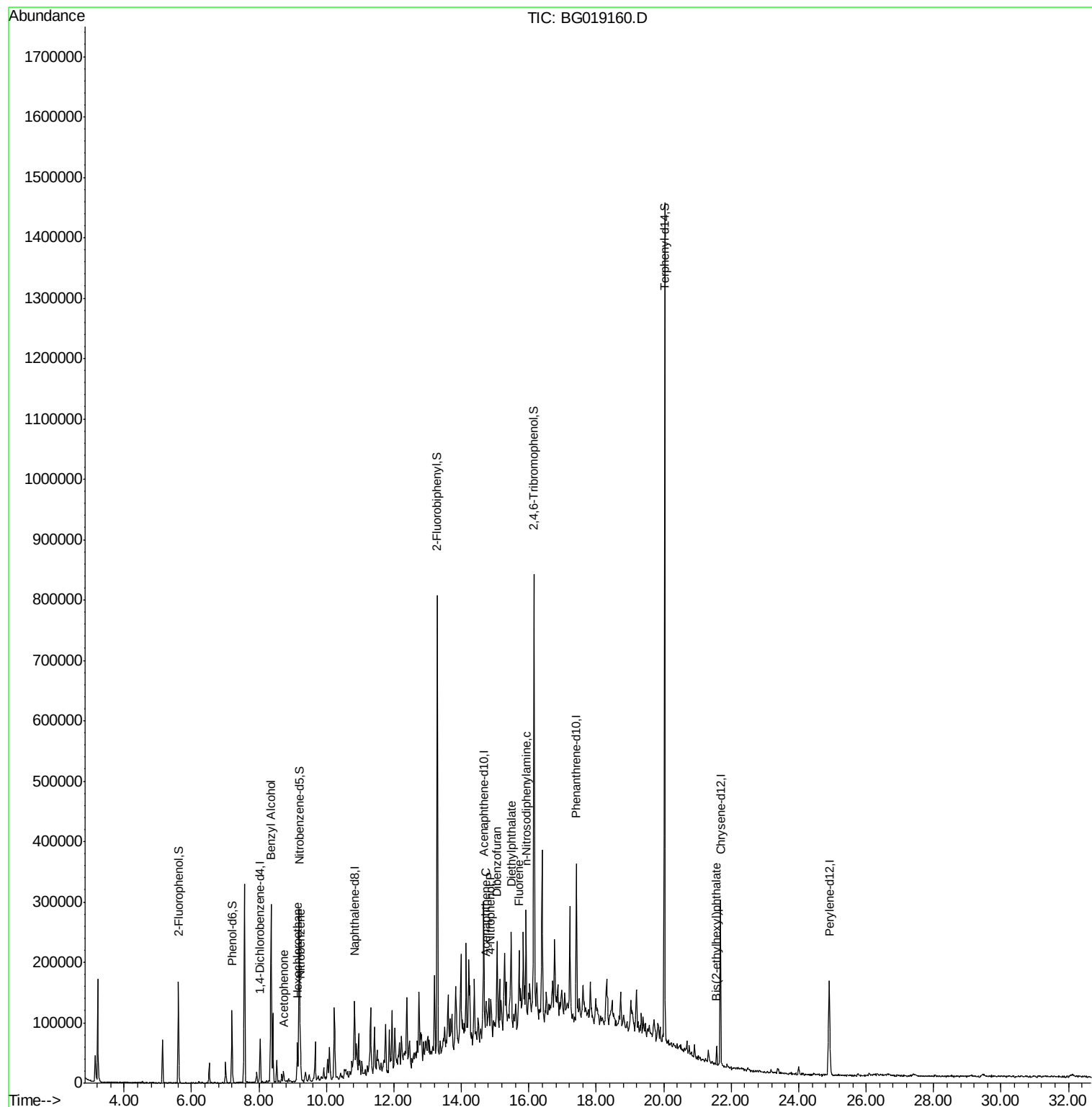
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.03  | 152  | 19000    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 10.84 | 136  | 85758    | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 14.66 | 164  | 62577    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 17.41 | 188  | 139184   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 21.68 | 240  | 166994   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 24.91 | 264  | 170187   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.61  | 112  | 62197    | 66.65  | ng    | 0.00     |
| 7) Phenol-d6                   | 7.20  | 99   | 60405    | 42.14  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 9.19  | 82   | 160756   | 103.57 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 16.15 | 330  | 126515   | 148.36 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 13.29 | 172  | 389213   | 95.64  | ng    | 0.00     |
| 78) Terphenyl-d14              | 20.02 | 244  | 600055   | 94.92  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 15) Benzyl Alcohol             | 8.35  | 79   | 2869     | 2.24   | ng    | # 53     |
| 18) Hexachloroethane           | 9.15  | 117  | 16007    | 32.11  | ng    | # 36     |
| 22) Acetophenone               | 8.72  | 105  | 4941     | 2.46   | ng    | # 72     |
| 24) Nitrobenzene               | 9.22  | 77   | 3905     | 2.37   | ng    | # 6      |
| 51) Acenaphthene               | 14.72 | 154  | 16176    | 4.36   | ng    | 98       |
| 54) Dibenzofuran               | 15.06 | 168  | 20247    | 3.70   | ng    | # 70     |
| 55) 4-Nitrophenol              | 14.87 | 139  | 3299     | 3.74   | ng    | # 48     |
| 57) Fluorene                   | 15.71 | 166  | 42714    | 8.99   | ng    | 99       |
| 59) Diethylphthalate           | 15.48 | 149  | 39060    | 7.61   | ng    | 95       |
| 65) n-Nitrosodiphenylamine     | 15.92 | 169  | 14220    | 3.70   | ng    | # 64     |
| 83) Bis(2-ethylhexyl)phthalate | 21.57 | 149  | 12456    | 2.35   | ng    | 91       |

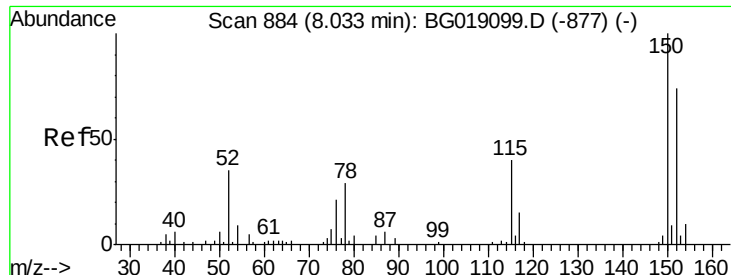
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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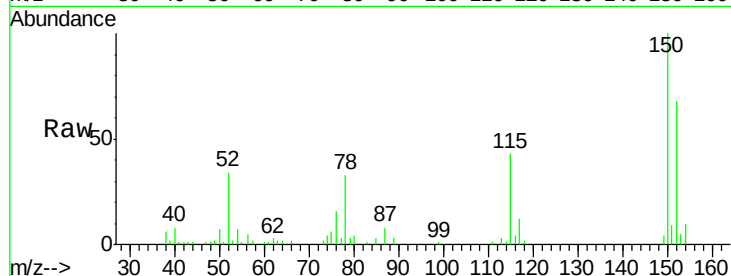


#1

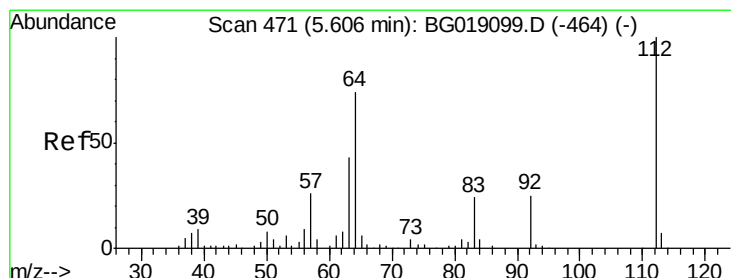
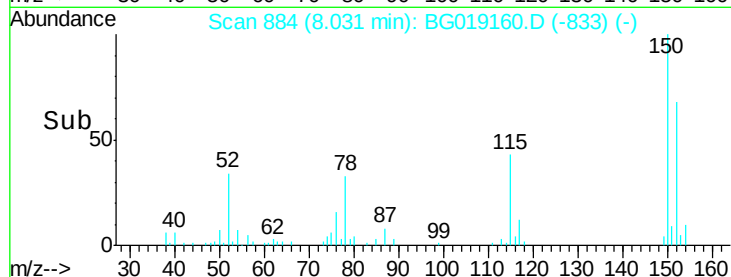
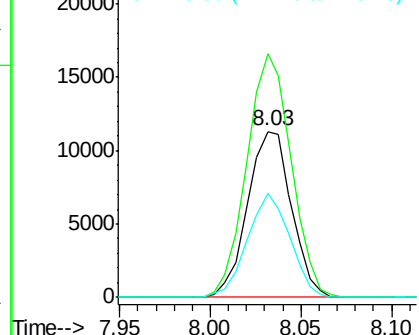
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.03 min Scan# 884  
Delta R.T. -0.00 min  
Lab File: BG019160.D  
Acq: 12 Oct 2015 13:40

Instrument :  
BNA\_G  
ClientSampleId :  
OW1-C5-GW

Tot Ion:152 Resp: 19000  
Ion Ratio Lower Upper  
152 100  
150 146.9 108.2 162.2  
115 62.5 43.2 64.8



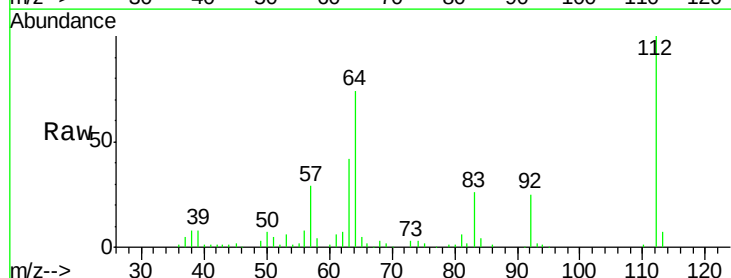
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



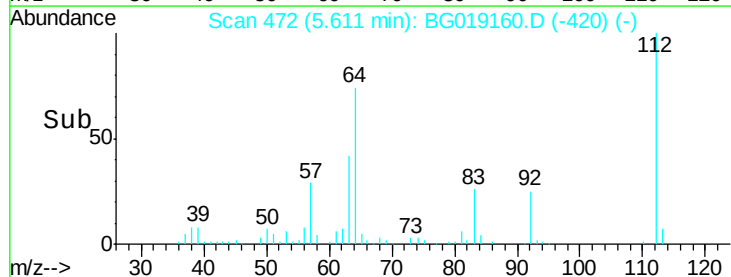
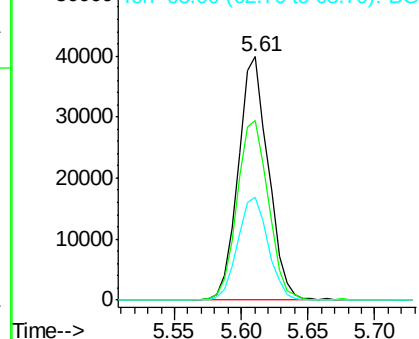
#5

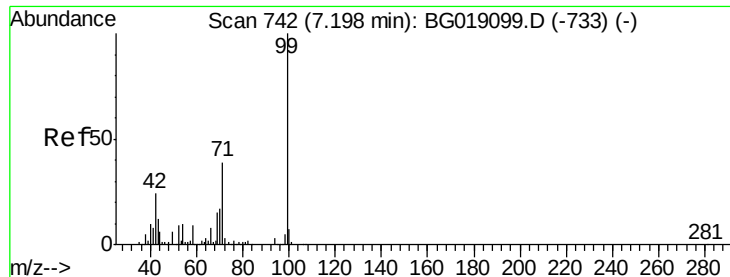
2-Fluorophenol  
Concen: 66.65 ng  
RT: 5.61 min Scan# 472  
Delta R.T. 0.00 min  
Lab File: BG019160.D  
Acq: 12 Oct 2015 13:40

Tgt Ion:112 Resp: 62197  
Ion Ratio Lower Upper  
112 100  
64 73.6 59.0 88.4  
63 42.2 34.7 52.1



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: 42.14 ng

RT: 7.20 min Scan# 742

Delta R.T. -0.00 min

Lab File: BG019160.D

Acq: 12 Oct 2015 13:40

Instrument :

BNA\_G

ClientSampleId :

OW1-C5-GW

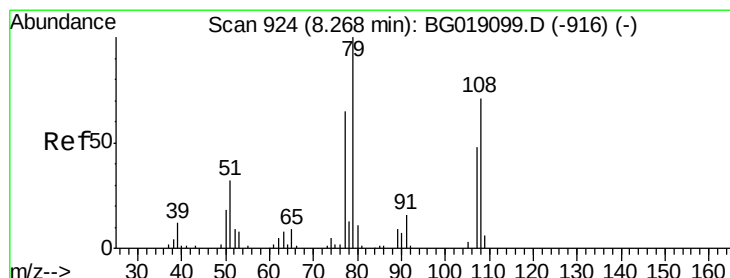
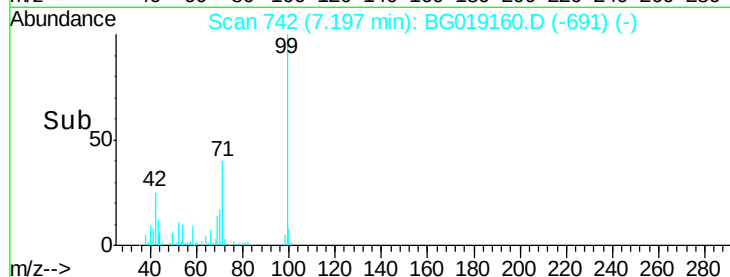
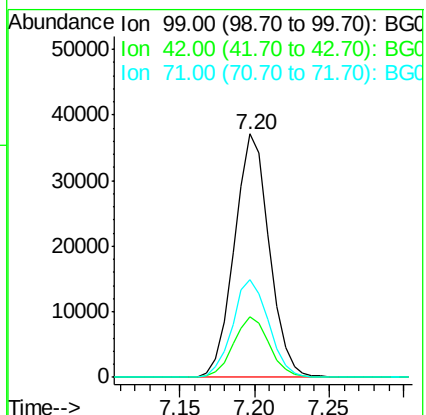
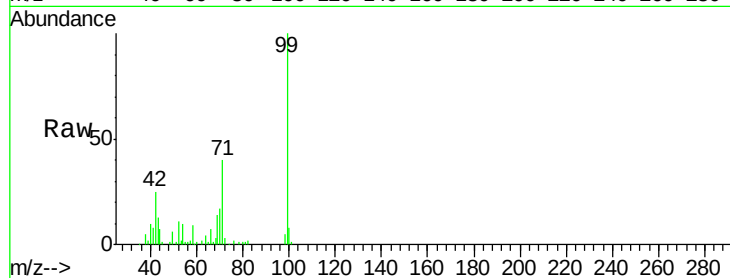
Tot Ion: 99 Resp: 60405

Ion Ratio Lower Upper

99 100

42 24.7 19.5 29.3

71 40.3 31.4 47.0



#15

Benzyl Alcohol

Concen: 2.24 ng

RT: 8.35 min Scan# 939

Delta R.T. 0.09 min

Lab File: BG019160.D

Acq: 12 Oct 2015 13:40

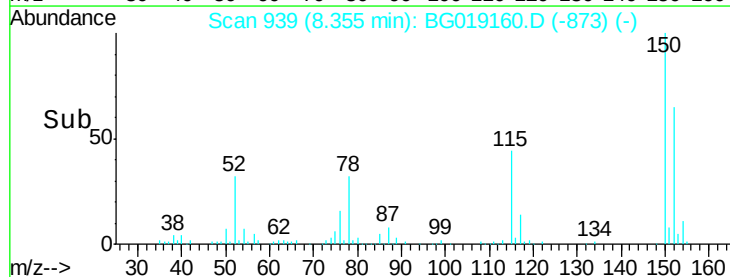
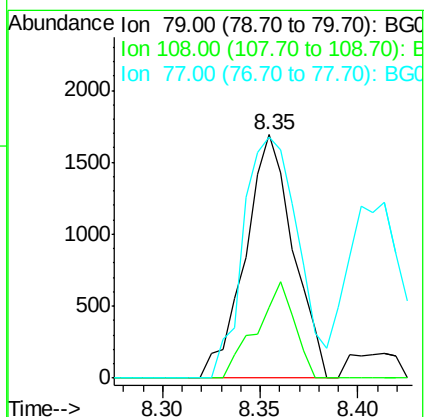
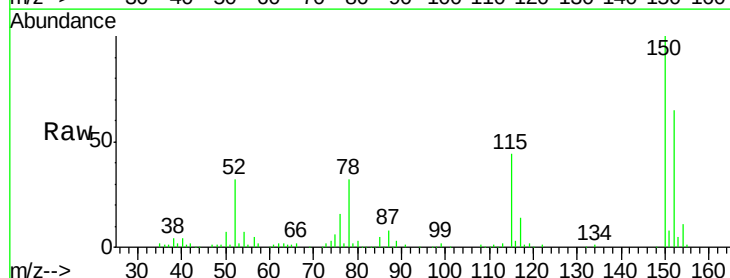
Tgt Ion: 79 Resp: 2869

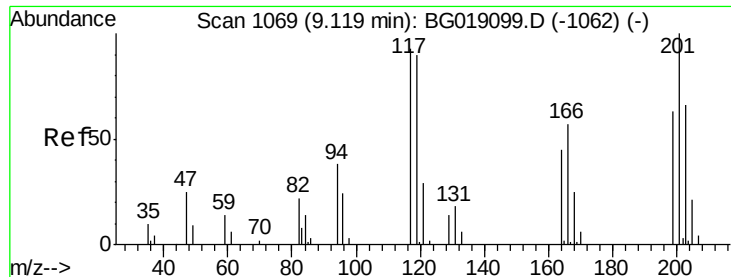
Ion Ratio Lower Upper

79 100

108 29.1 56.6 84.8#

77 99.1 51.6 77.4#

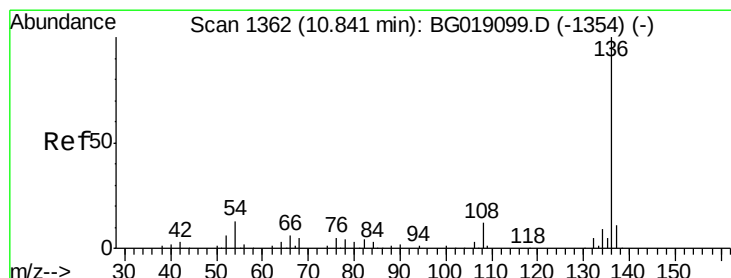
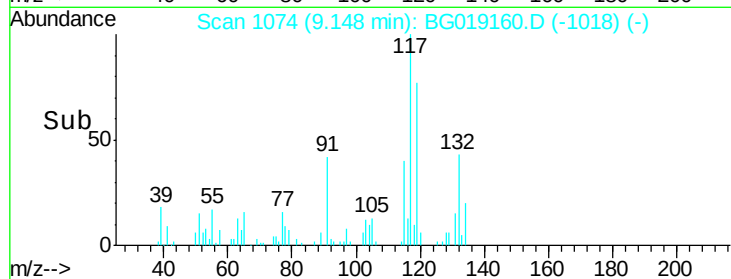
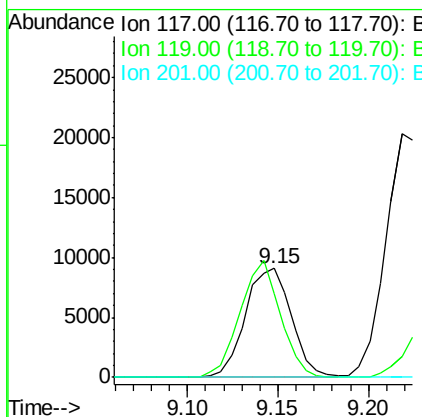
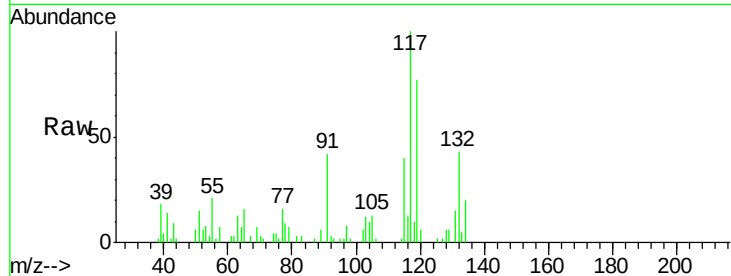




#18  
 Hexachloroethane  
 Concen: 32.11 ng  
 RT: 9.15 min Scan# 1074  
 Delta R.T. 0.03 min  
 Lab File: BG019160.D  
 Acq: 12 Oct 2015 13:40

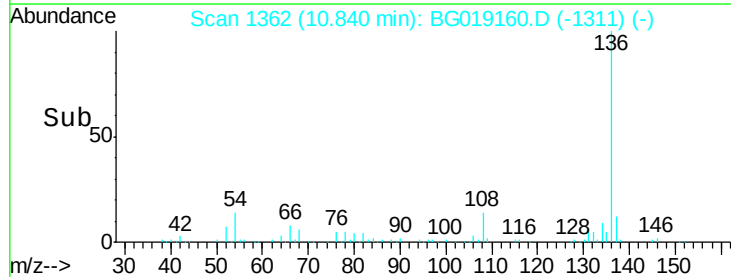
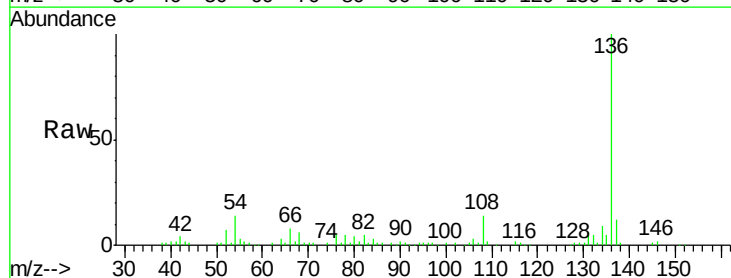
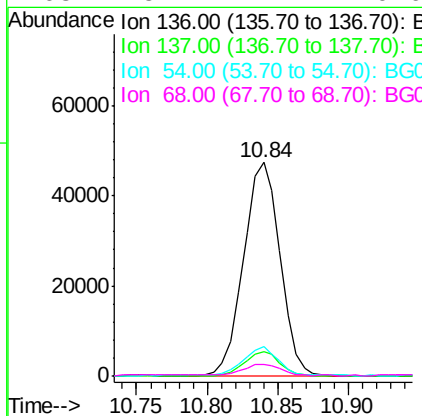
Instrument :  
 BNA\_G  
 ClientSampled :  
 OW1-C5-GW

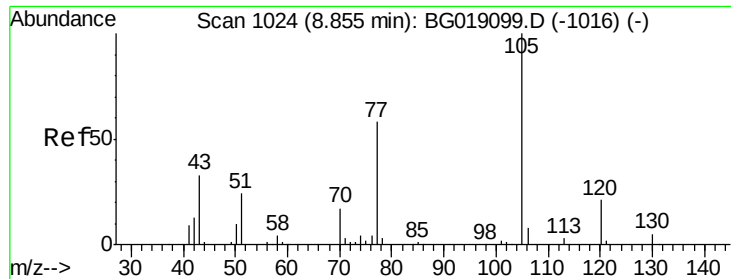
Tot Ion:117 Resp: 16007  
 Ion Ratio Lower Upper  
 117 100  
 119 76.6 77.0 115.4#  
 201 0.0 85.6 128.4#



#21  
 Naphthalene-d8  
 Concen: 20.00 ng  
 RT: 10.84 min Scan# 1362  
 Delta R.T. -0.00 min  
 Lab File: BG019160.D  
 Acq: 12 Oct 2015 13:40

Tgt Ion:136 Resp: 85758  
 Ion Ratio Lower Upper  
 136 100  
 137 11.5 9.0 13.4  
 54 13.9 10.1 15.1  
 68 5.7 4.4 6.6





#22

Acetophenone

Concen: 2.46 ng

RT: 8.72 min Scan# 1002

Delta R.T. -0.13 min

Lab File: BG019160.D

Acq: 12 Oct 2015 13:40

Instrument :

BNA\_G

ClientSampled :

OW1-C5-GW

Tot Ion:105 Resp: 4941

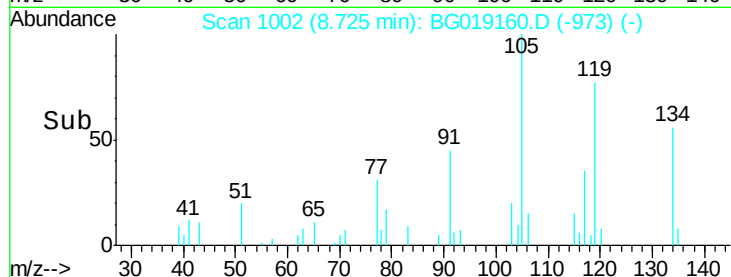
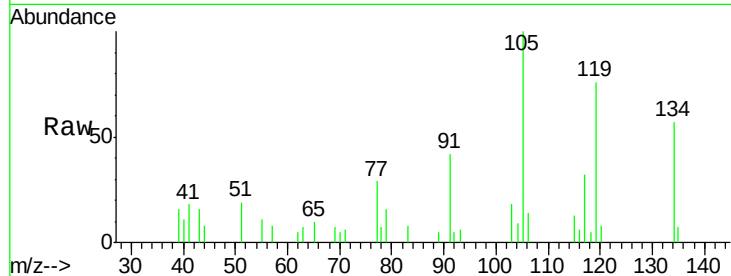
Ion Ratio Lower Upper

105 100

71 6.2 2.2 3.2#

51 18.9 29.2 43.8#

120 7.6 16.6 24.8#



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

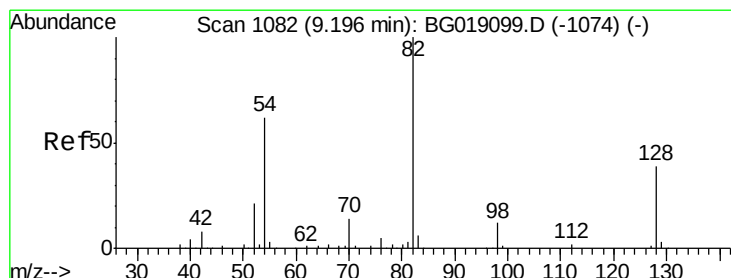
Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E

Time-->

8.72

8.75



#23

Nitrobenzene-d5

Concen: 103.57 ng

RT: 9.19 min Scan# 1082

Delta R.T. -0.00 min

Lab File: BG019160.D

Acq: 12 Oct 2015 13:40

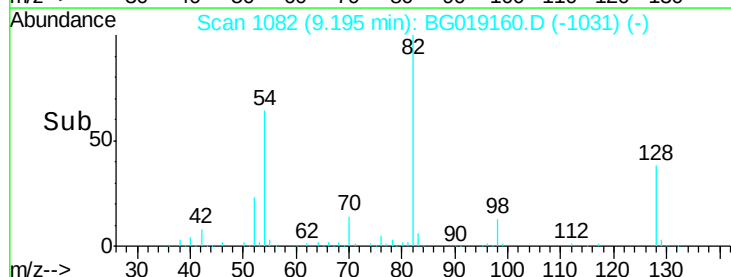
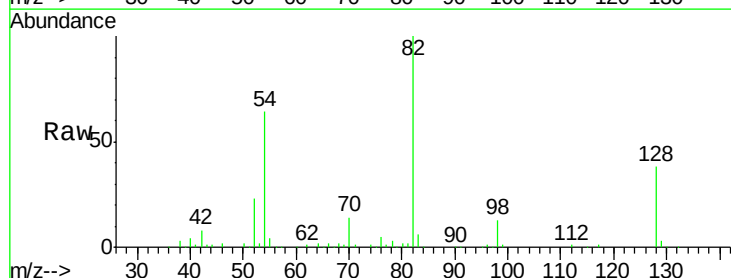
Tgt Ion: 82 Resp: 160756

Ion Ratio Lower Upper

82 100

128 38.5 31.4 47.2

54 63.9 50.0 75.0



Abundance Ion 82.00 (81.70 to 82.70): BGC

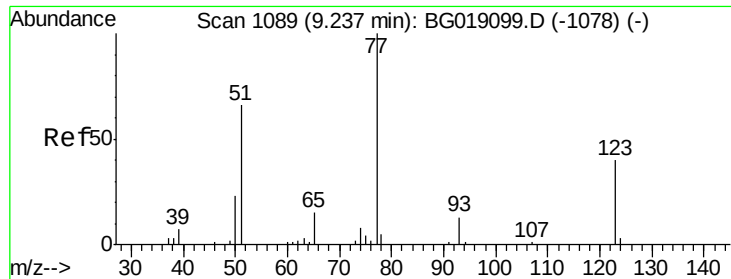
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

Time-->

9.19

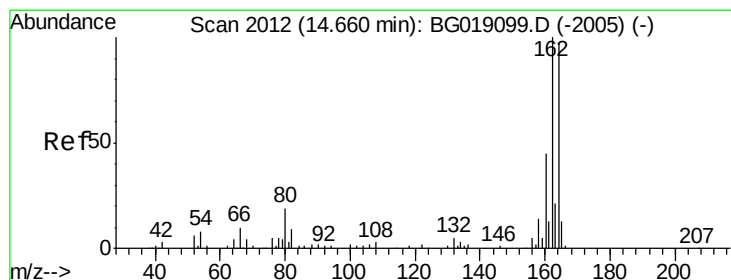
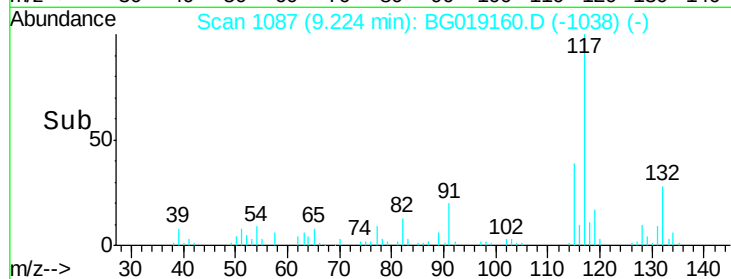
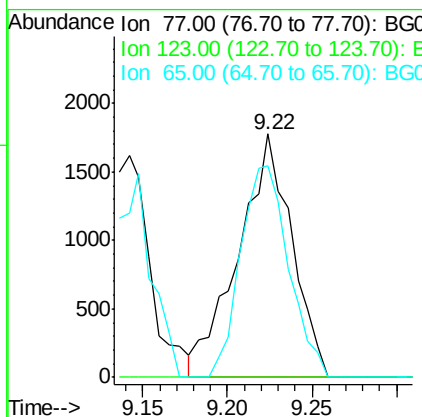
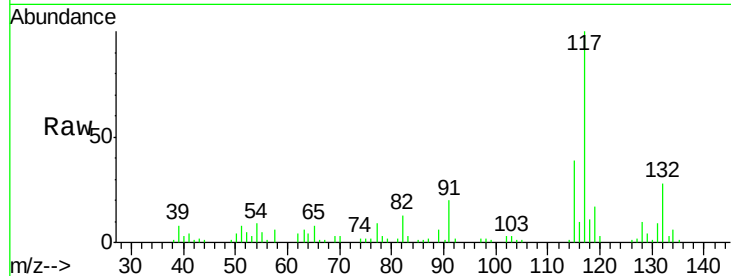
9.30



#24  
 Nitrobenzene  
 Concen: 2.37 ng  
 RT: 9.22 min Scan# 1087  
 Delta R.T. -0.01 min  
 Lab File: BG019160.D  
 Acq: 12 Oct 2015 13:40

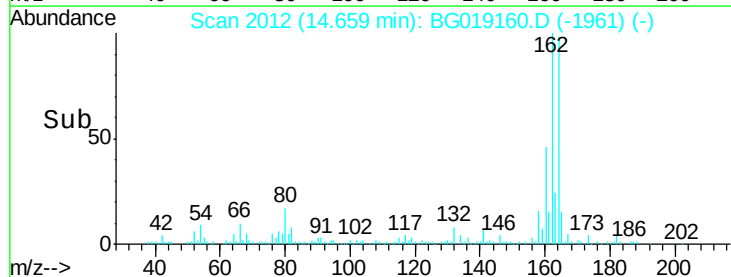
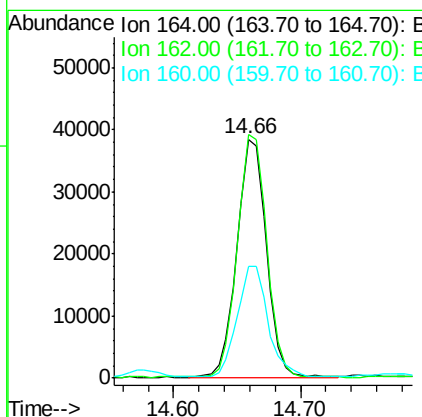
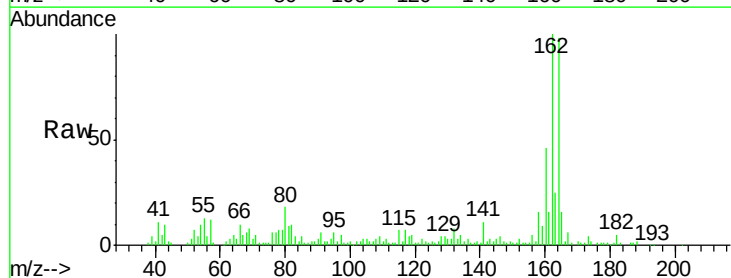
Instrument :  
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 OW1-C5-GW

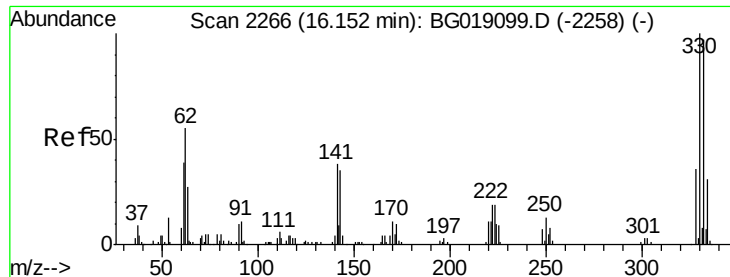
Tot Ion: 77 Resp: 3905  
 Ion Ratio Lower Upper  
 77 100  
 123 0.0 31.8 47.6#  
 65 87.2 11.8 17.6#



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.66 min Scan# 2012  
 Delta R.T. -0.00 min  
 Lab File: BG019160.D  
 Acq: 12 Oct 2015 13:40

Tgt Ion: 164 Resp: 62577  
 Ion Ratio Lower Upper  
 164 100  
 162 102.0 82.6 124.0  
 160 47.0 36.9 55.3

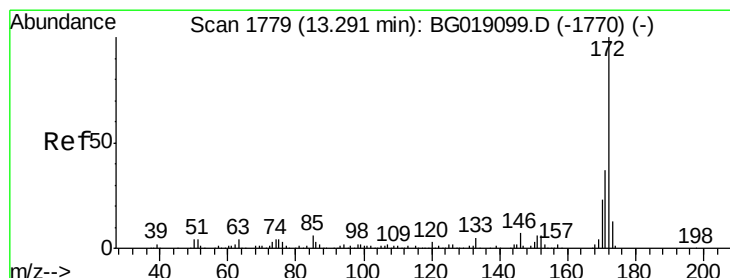
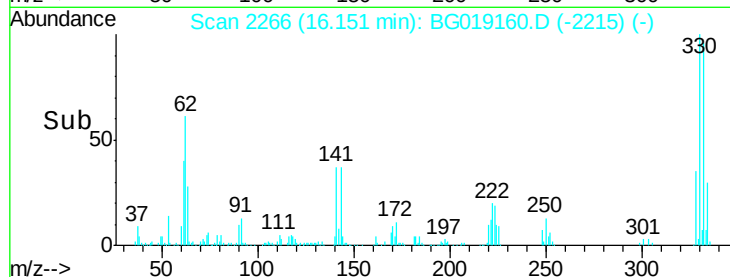
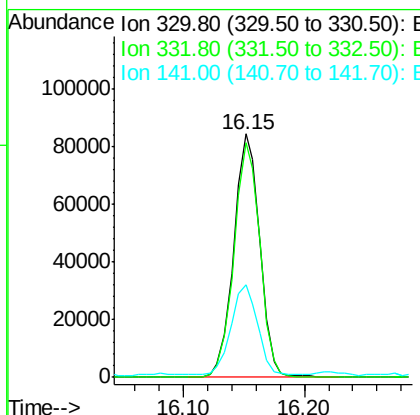
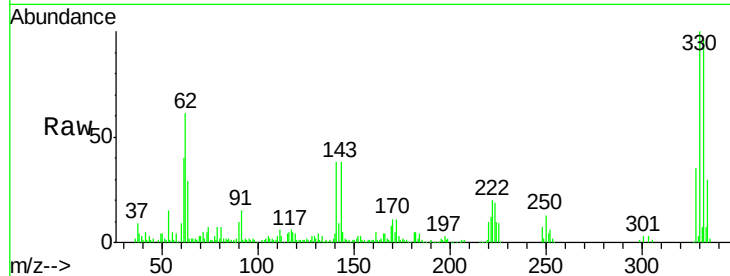




#41  
 2,4,6-Tribromophenol  
 Concen: 148.36 ng  
 RT: 16.15 min Scan# 2266  
 Delta R.T. -0.00 min  
 Lab File: BG019160.D  
 Acq: 12 Oct 2015 13:40

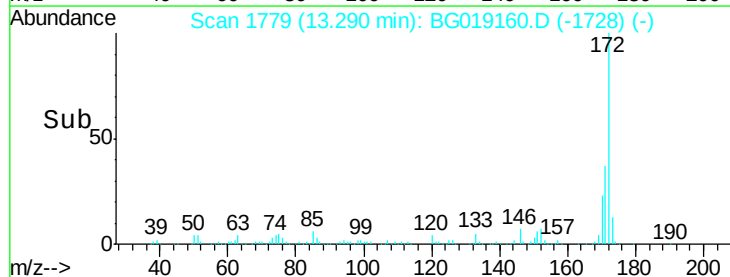
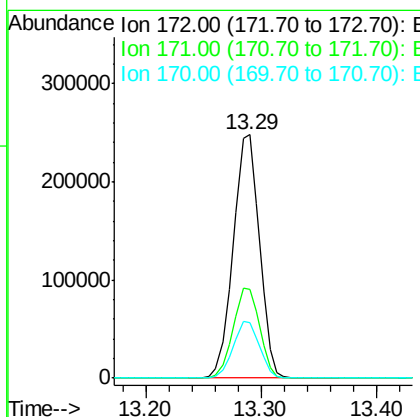
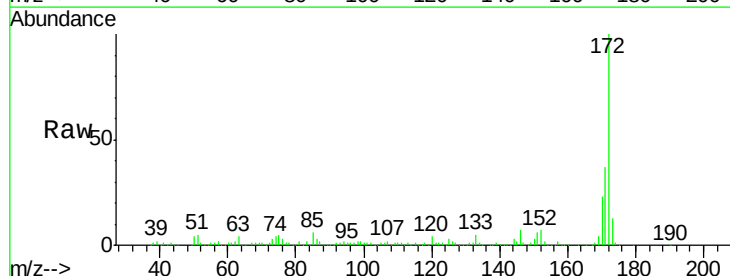
Instrument :  
 BNA\_G  
 ClientSampled :  
 OW1-C5-GW

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.8  | 77.3  | 115.9 |
| 141     | 37.5  | 30.7  | 46.1  |

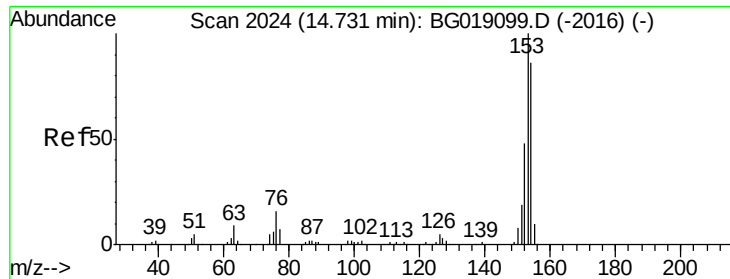


#44  
 2-Fluorobiphenyl  
 Concen: 95.64 ng  
 RT: 13.29 min Scan# 1779  
 Delta R.T. -0.00 min  
 Lab File: BG019160.D  
 Acq: 12 Oct 2015 13:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.5  | 29.9  | 44.9  |
| 170     | 23.0  | 18.6  | 27.8  |







#51

Acenaphthene

Concen: 4.36 ng

RT: 14.72 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BG019160.D

Acq: 12 Oct 2015 13:40

Instrument :

BNA\_G

ClientSampleId :

OW1-C5-GW

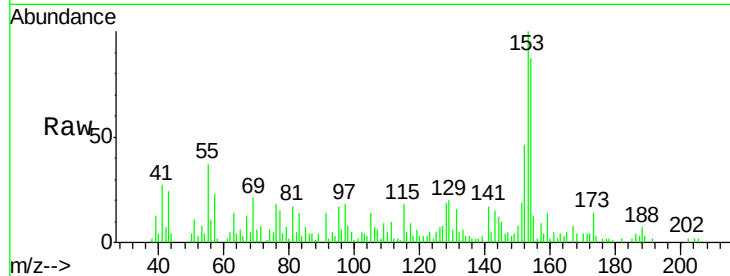
Tot Ion:154 Resp: 16176

Ion Ratio Lower Upper

154 100

153 115.5 93.4 140.2

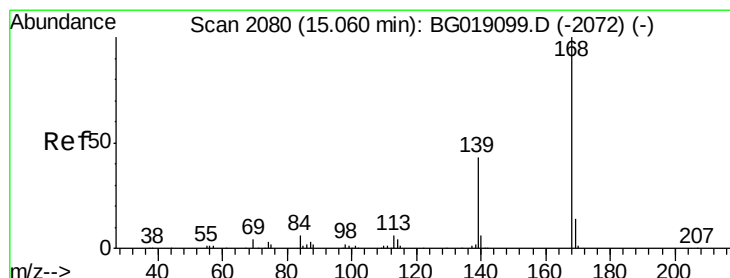
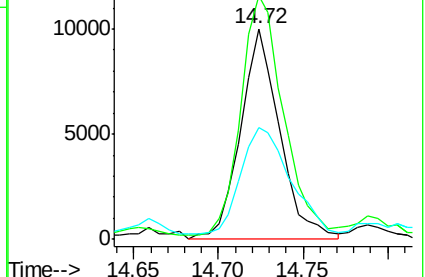
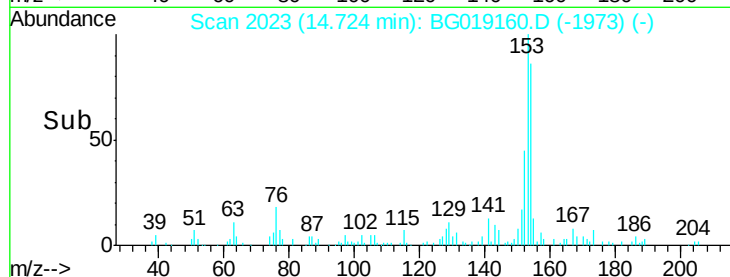
152 52.8 44.9 67.3



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 3.70 ng

RT: 15.06 min Scan# 2080

Delta R.T. -0.00 min

Lab File: BG019160.D

Acq: 12 Oct 2015 13:40

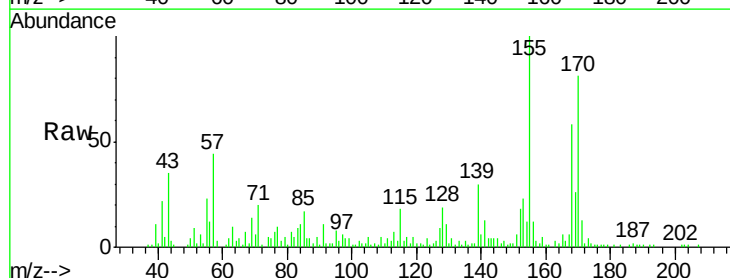
Tgt Ion:168 Resp: 20247

Ion Ratio Lower Upper

168 100

139 52.1 34.2 51.4#

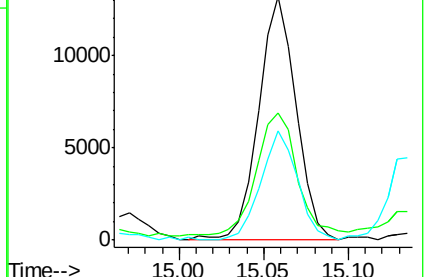
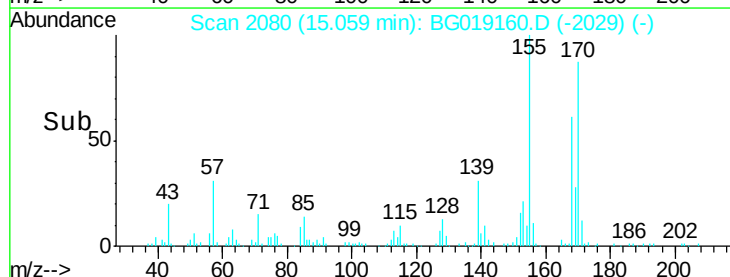
169 44.6 11.4 17.0#

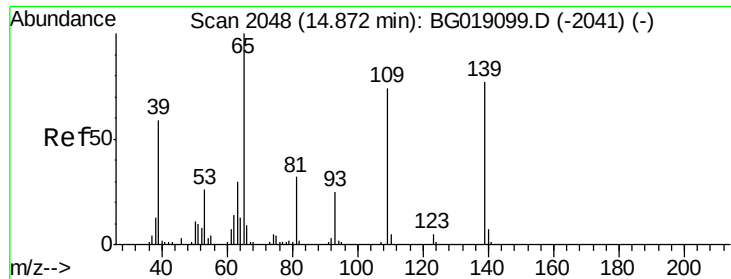


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

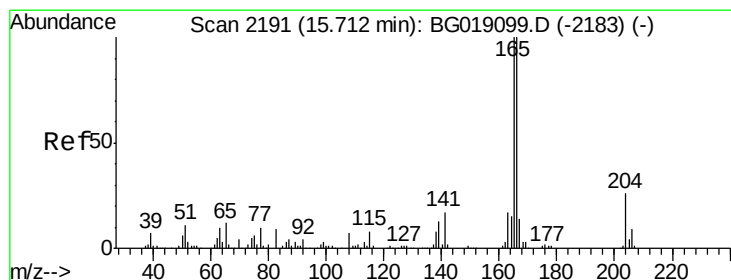
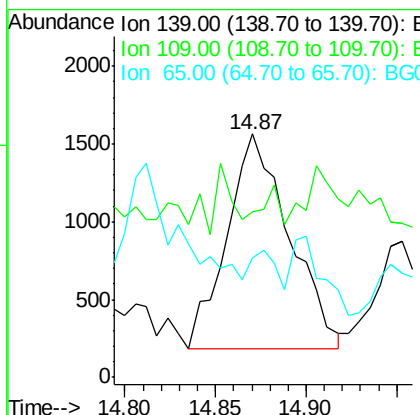
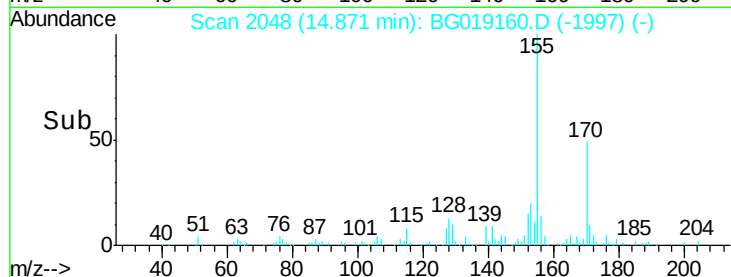
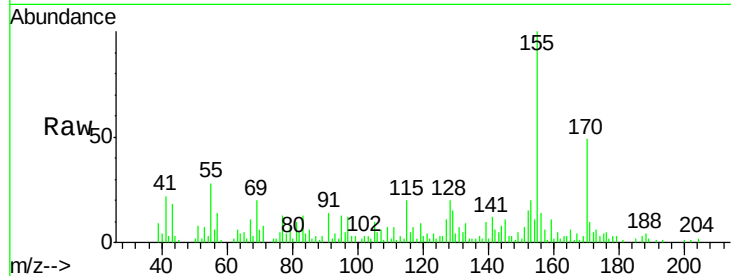




#55  
4-Nitrophenol  
Concen: 3.74 ng  
RT: 14.87 min Scan# 2048  
Delta R.T. -0.00 min  
Lab File: BG019160.D  
Acq: 12 Oct 2015 13:40

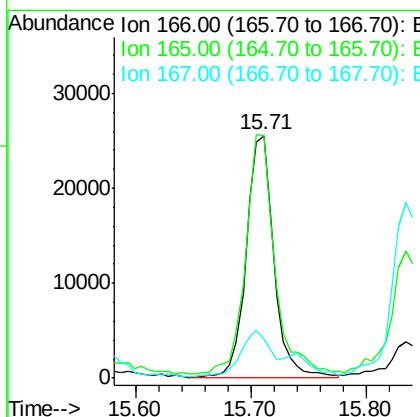
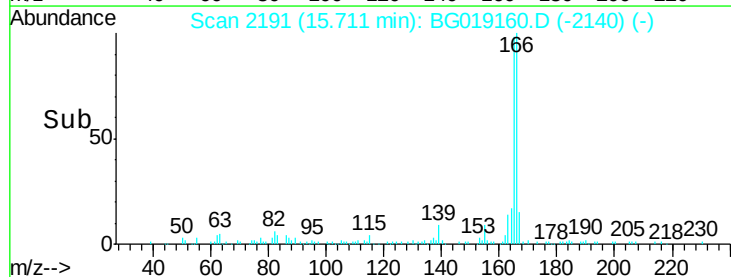
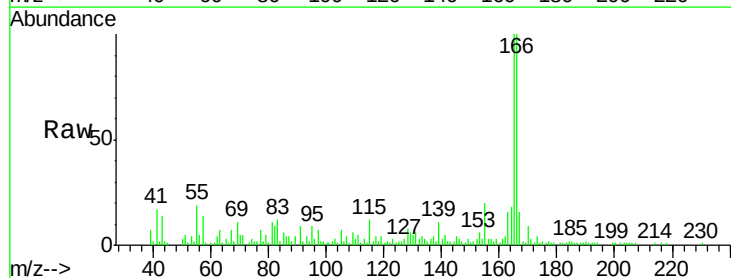
Instrument :  
BNA\_G  
ClientSampleId :  
OW1-C5-GW

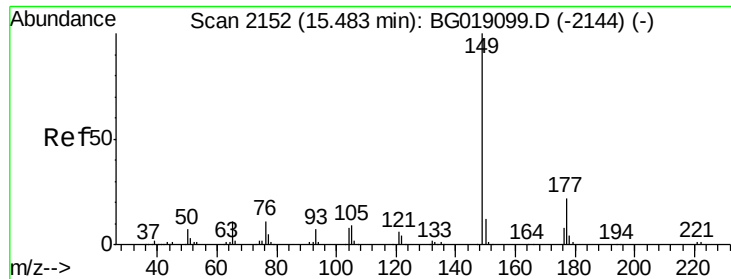
Tot Ion:139 Resp: 3299  
Ion Ratio Lower Upper  
139 100  
109 68.2 76.8 116.8#  
65 48.8 110.0 150.0#



#57  
Fluorene  
Concen: 8.99 ng  
RT: 15.71 min Scan# 2191  
Delta R.T. -0.00 min  
Lab File: BG019160.D  
Acq: 12 Oct 2015 13:40

Tgt Ion:166 Resp: 42714  
Ion Ratio Lower Upper  
166 100  
165 100.0 80.2 120.2  
167 15.7 11.4 17.0

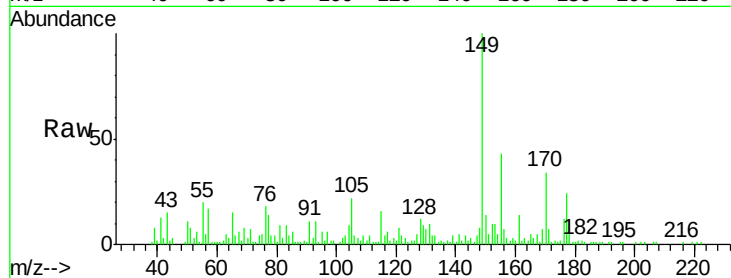




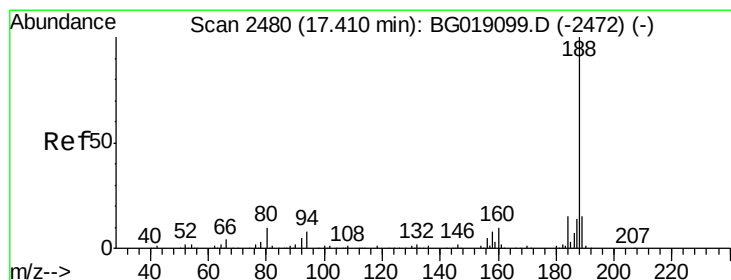
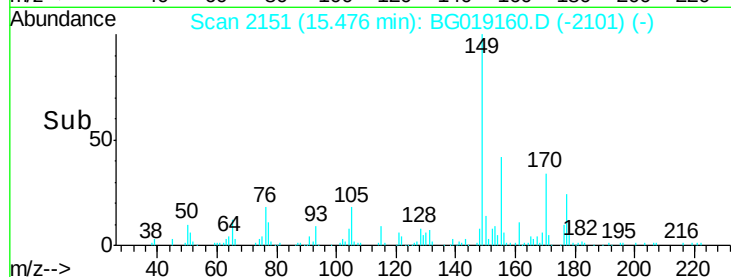
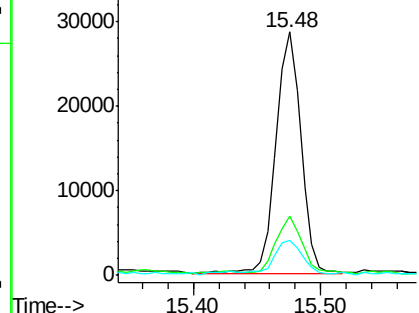
#59  
Diethylphthalate  
Concen: 7.61 ng  
RT: 15.48 min Scan# 2151  
Delta R.T. -0.01 min  
Lab File: BG019160.D  
Acq: 12 Oct 2015 13:40

Instrument :  
BNA\_G  
ClientSampleId :  
OW1-C5-GW

Tot Ion:149 Resp: 39060  
Ion Ratio Lower Upper  
149 100  
177 24.3 17.7 26.5  
150 14.1 9.4 14.2

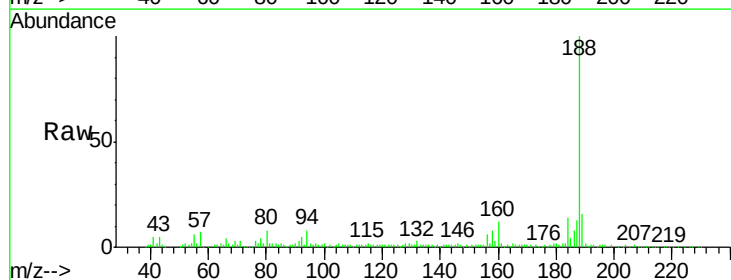


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 177.00 (176.70 to 177.70): E  
Ion 150.00 (149.70 to 150.70): E

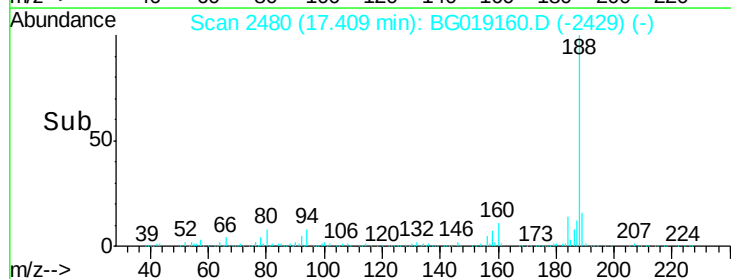
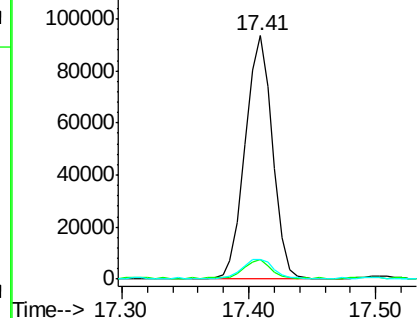


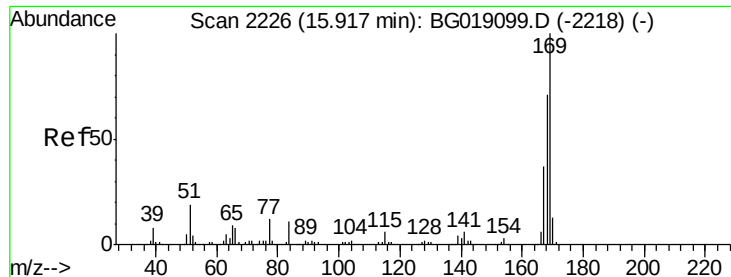
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.41 min Scan# 2480  
Delta R.T. -0.00 min  
Lab File: BG019160.D  
Acq: 12 Oct 2015 13:40

Tgt Ion:188 Resp: 139184  
Ion Ratio Lower Upper  
188 100  
94 8.1 6.4 9.6  
80 8.0 7.6 11.4



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

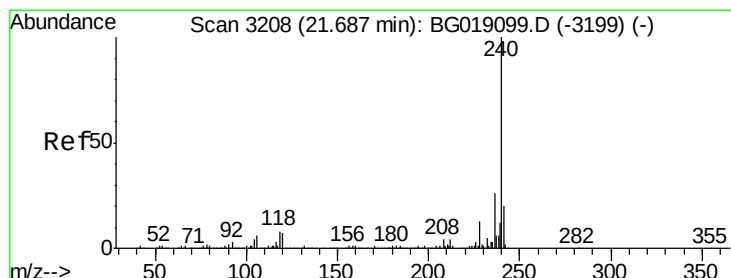
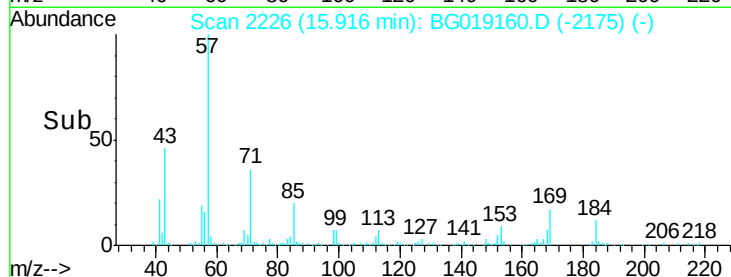
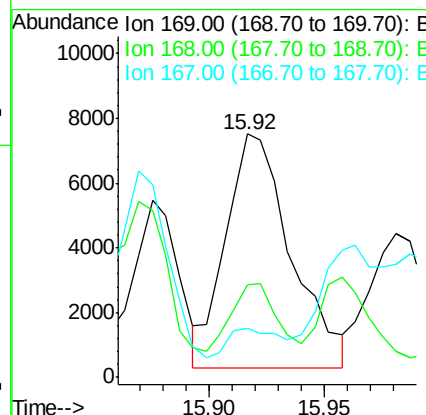
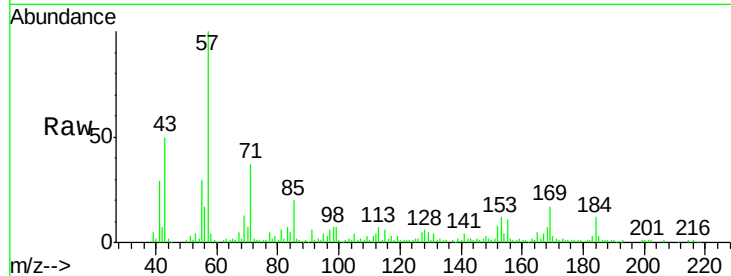




#65  
n-Nitrosodiphenylamine  
Concen: 3.70 ng  
RT: 15.92 min Scan# 2226  
Delta R.T. -0.00 min  
Lab File: BG019160.D  
Acq: 12 Oct 2015 13:40

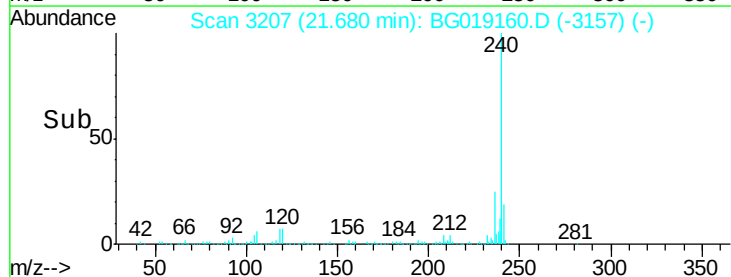
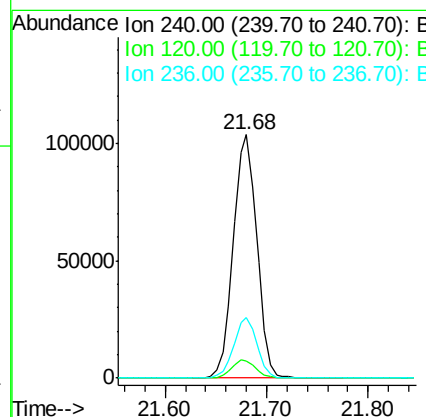
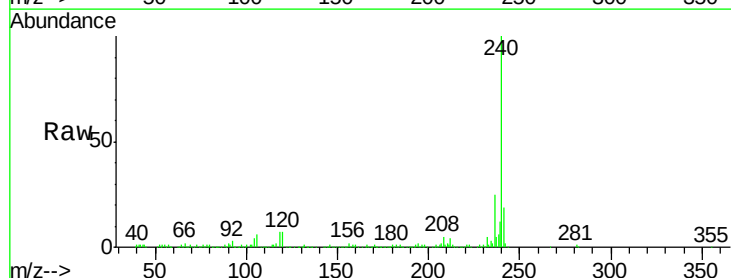
Instrument :  
BNA\_G  
ClientSampleId :  
OW1-C5-GW

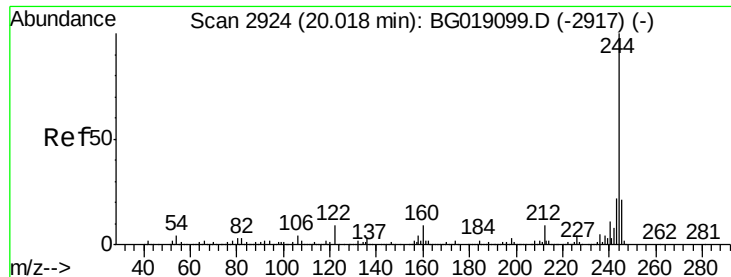
Tot Ion:169 Resp: 14220  
Ion Ratio Lower Upper  
169 100  
168 37.9 56.6 84.8#  
167 20.1 30.0 45.0#



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.68 min Scan# 3207  
Delta R.T. -0.01 min  
Lab File: BG019160.D  
Acq: 12 Oct 2015 13:40

Tgt Ion:240 Resp: 166994  
Ion Ratio Lower Upper  
240 100  
120 7.2 5.8 8.6  
236 24.8 21.2 31.8





#78

Terphenyl-d14

Concen: 94.92 ng

RT: 20.02 min Scan# 2925

Delta R.T. 0.00 min

Lab File: BG019160.D

Acq: 12 Oct 2015 13:40

Instrument :

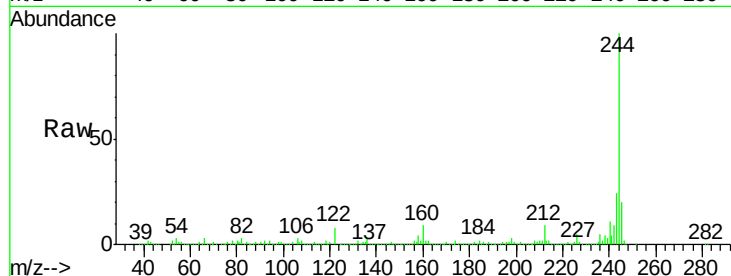
BNA\_G

ClientSampleId :

OW1-C5-GW

Tot Ion:244 Resp: 600055

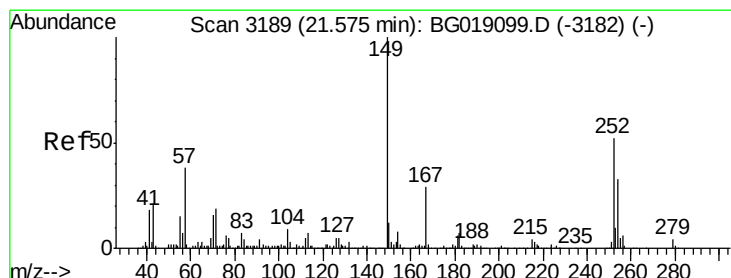
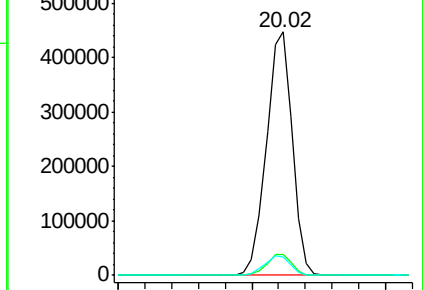
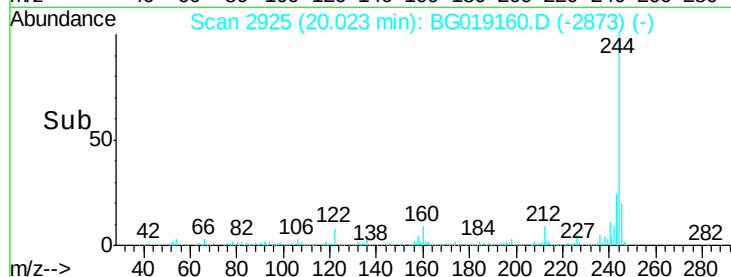
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 8.8   | 6.8   | 10.2  |
| 122 | 7.6   | 7.4   | 11.2  |



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.35 ng

RT: 21.57 min Scan# 3189

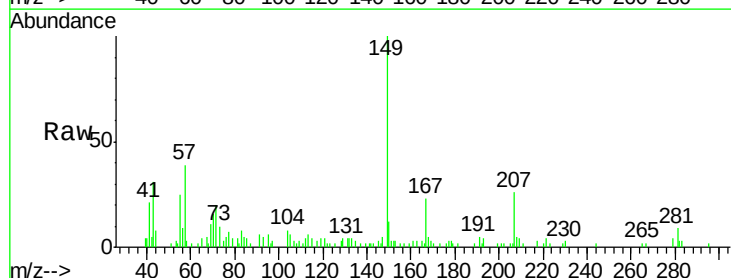
Delta R.T. -0.00 min

Lab File: BG019160.D

Acq: 12 Oct 2015 13:40

Tgt Ion:149 Resp: 12456

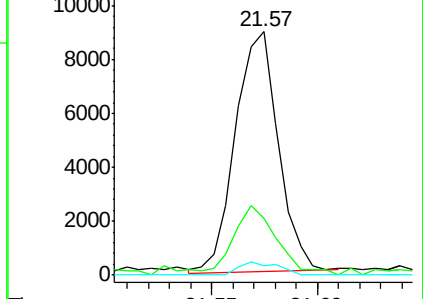
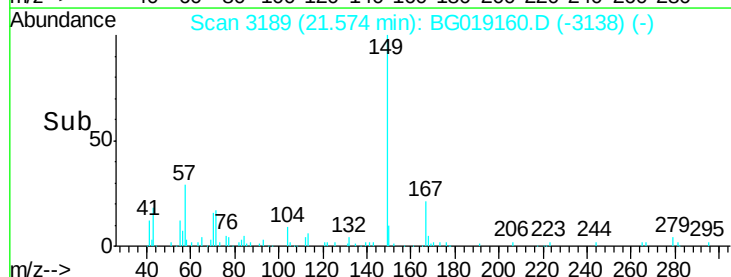
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 23.3  | 22.8  | 34.2  |
| 279 | 4.0   | 3.6   | 5.4   |

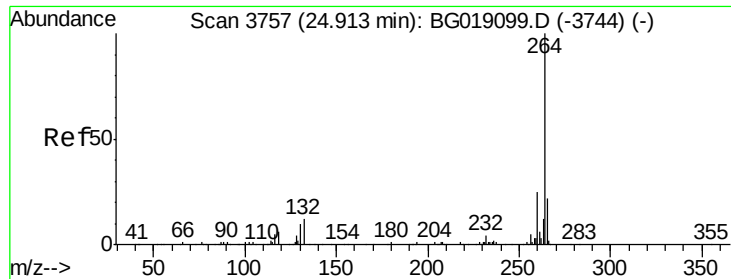


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 24.91 min Scan# 3756  
Delta R.T. -0.01 min  
Lab File: BG019160.D  
Acq: 12 Oct 2015 13:40

Instrument :  
BNA\_G  
ClientSampleId :  
OW1-C5-GW

| Tot Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 170187  | 264 | 100   |       |       |
|         | 260 | 24.6  | 20.1  | 30.1  |
|         | 265 | 21.0  | 17.2  | 25.8  |

