

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG062218\  
 Data File : BG035348.D  
 Acq On : 23 Jun 2018 00:33  
 Operator : JU/SJ  
 Sample : J3502-02RE  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 20180366-FIELD-BLANKRE

Quant Time: Jun 23 01:09:32 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG060718.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 08 17:16:28 2018  
 Response via : Initial Calibration

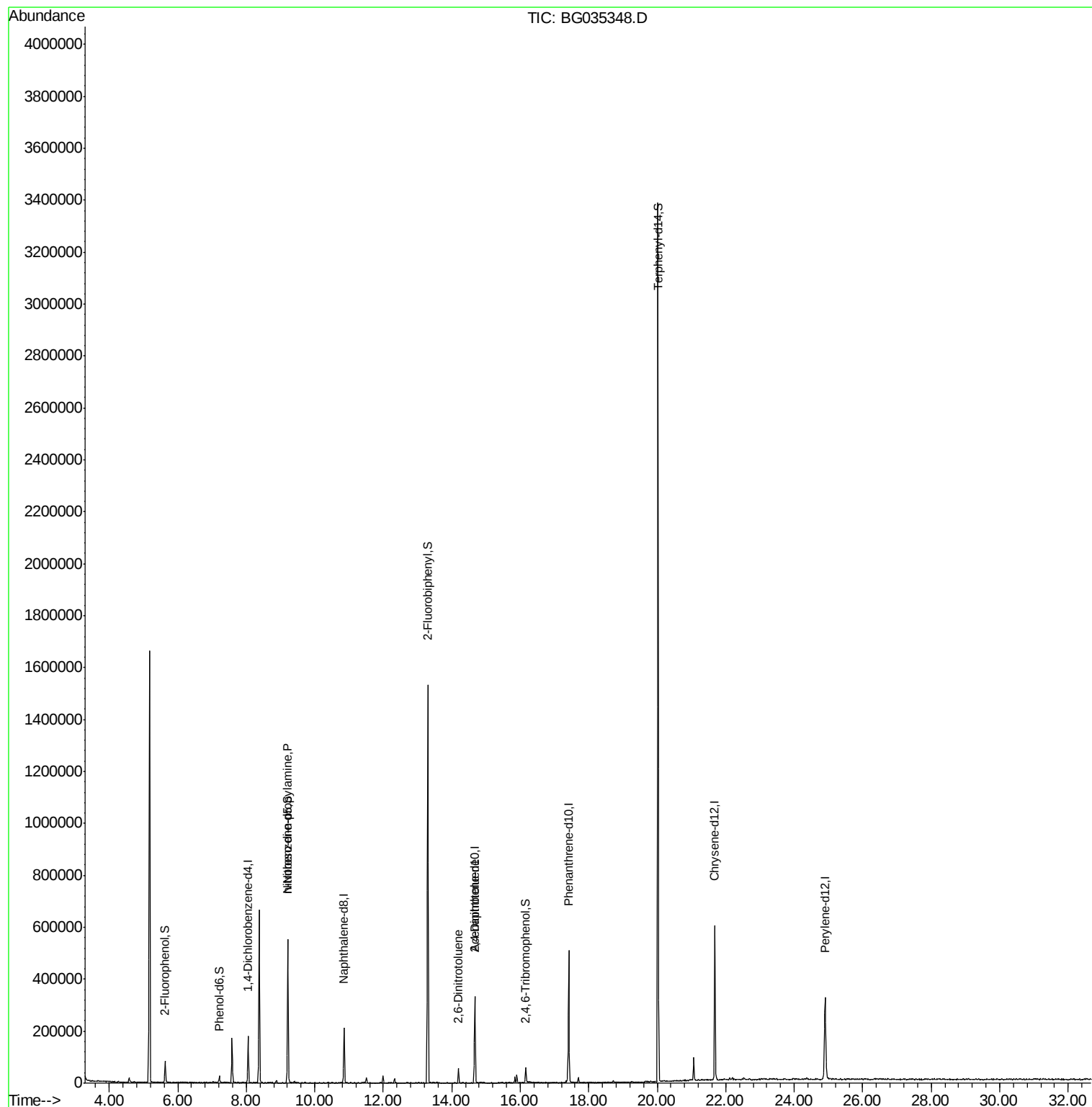
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.05  | 152  | 50905    | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8             | 10.85 | 136  | 180507   | 20.00  | ng    | -0.03    |
| 38) Acenaphthene-d10           | 14.67 | 164  | 119159   | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10           | 17.42 | 188  | 330025   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12               | 21.68 | 240  | 385606   | 20.00  | ng    | -0.04    |
| 86) Perylene-d12               | 24.90 | 264  | 376464   | 20.00  | ng    | -0.05    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.63  | 112  | 38189    | 12.66  | ng    | -0.01    |
| 7) Phenol-d6                   | 7.21  | 99   | 15973    | 3.59   | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 9.22  | 82   | 360331   | 94.89  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol       | 16.17 | 330  | 15115    | 9.91   | ng    | -0.02    |
| 44) 2-Fluorobiphenyl           | 13.30 | 172  | 823353   | 89.83  | ng    | -0.03    |
| 78) Terphenyl-d14              | 20.02 | 244  | 1596792  | 86.74  | ng    | -0.02    |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 9.22  | 70   | 48101    | 12.717 | ng    | # 65     |
| 50) 2,6-Dinitrotoluene         | 14.20 | 165  | 9740     | 5.138  | ng    | # 20     |
| 56) 2,4-Dinitrotoluene         | 14.67 | 165  | 15748    | 6.254  | ng    | # 17     |

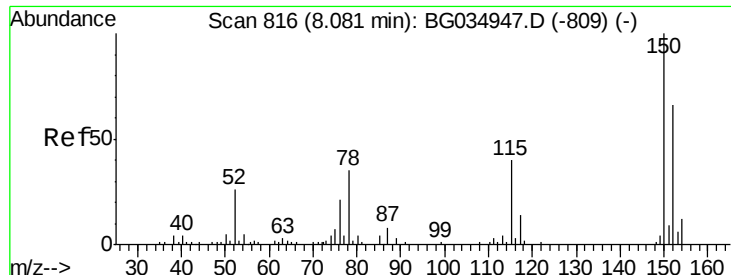
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG062218\  
Data File : BG035348.D  
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Sample : J3502-02RE  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
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Quant Time: Jun 23 01:09:32 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG060718.M  
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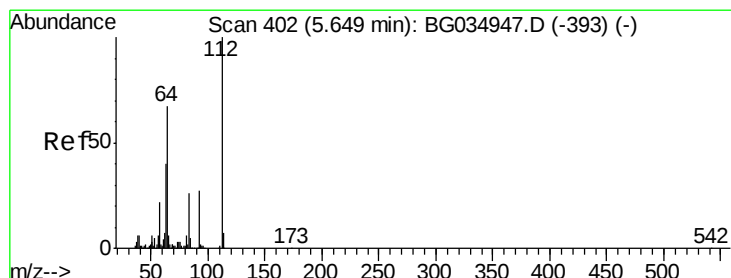
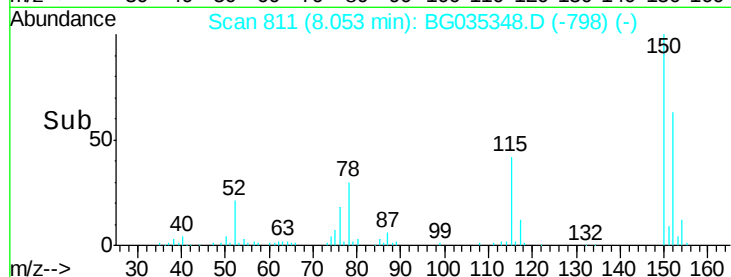
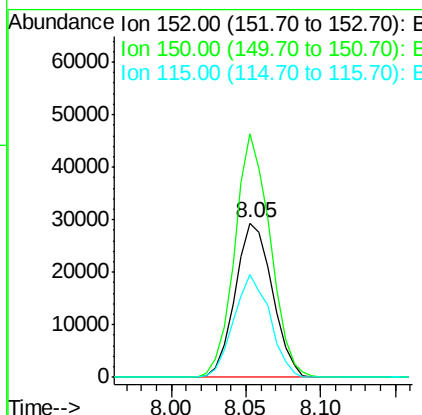
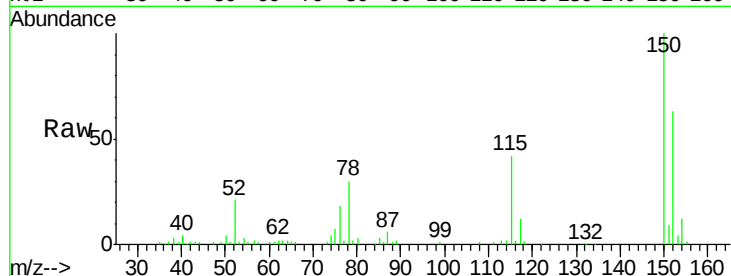


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.05 min Scan# 811  
Delta R.T. -0.02 min  
Lab File: BG035348.D  
Acq: 23 Jun 2018 00:33

Instrument :  
BNA\_G  
ClientSampleId :  
20180366-FIELD-BLANKRE

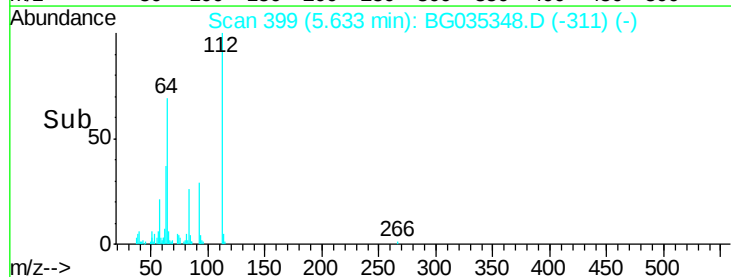
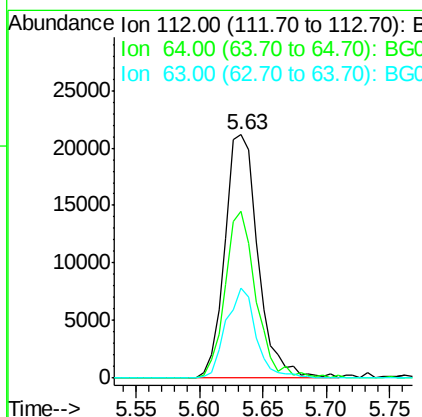
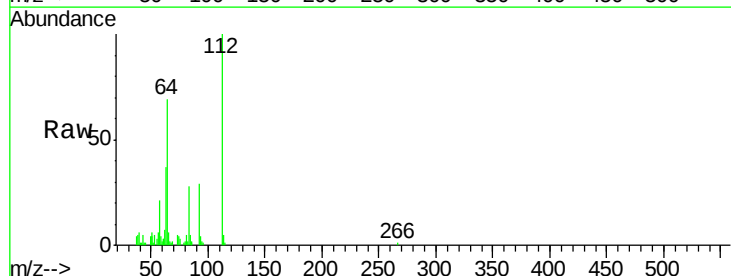
Tgt Ion:152 Resp: 50905  
Ion Ratio Lower Upper  
152 100  
150 157.6 126.6 189.8  
115 66.4 53.0 79.4

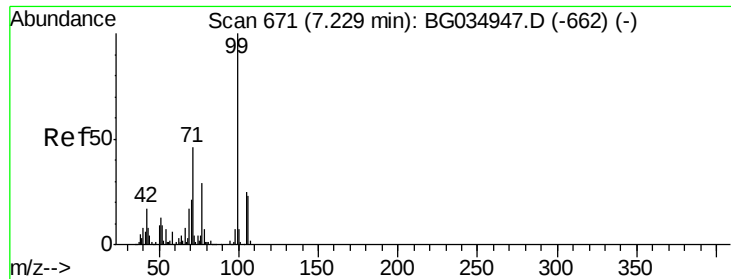


#5

2-Fluorophenol  
Concen: 12.660 ng  
RT: 5.63 min Scan# 399  
Delta R.T. -0.01 min  
Lab File: BG035348.D  
Acq: 23 Jun 2018 00:33

Tgt Ion:112 Resp: 38189  
Ion Ratio Lower Upper  
112 100  
64 68.8 56.3 84.5  
63 36.9 30.1 45.1





#7

Phenol-d6

Concen: 3.588 ng

RT: 7.21 min Scan# 668

Delta R.T. -0.01 min

Lab File: BG035348.D

Acq: 23 Jun 2018 00:33

Instrument :

BNA\_G

ClientSampleId :

20180366-FIELD-BLANKRE

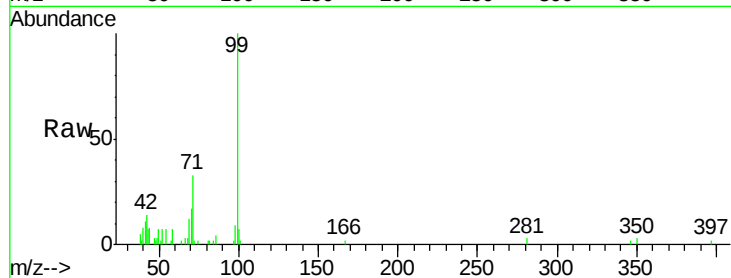
Tgt Ion: 99 Resp: 15973

Ion Ratio Lower Upper

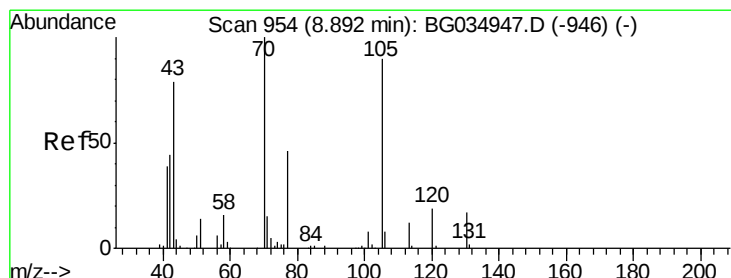
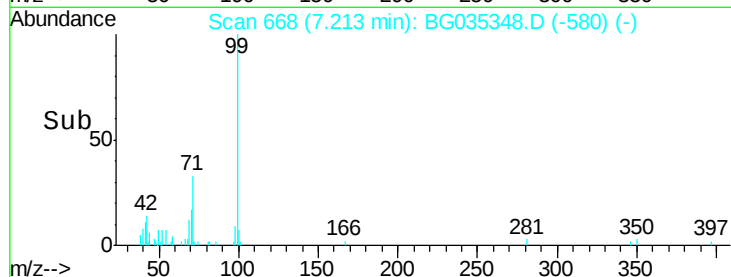
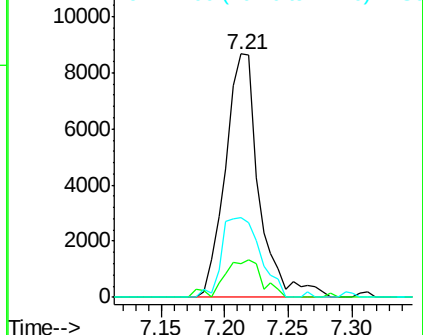
99 100

42 14.0 14.1 21.1#

71 32.8 26.1 39.1



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: 12.717 ng

RT: 9.22 min Scan# 1009

Delta R.T. 0.34 min

Lab File: BG035348.D

Acq: 23 Jun 2018 00:33

Tgt Ion: 70 Resp: 48101

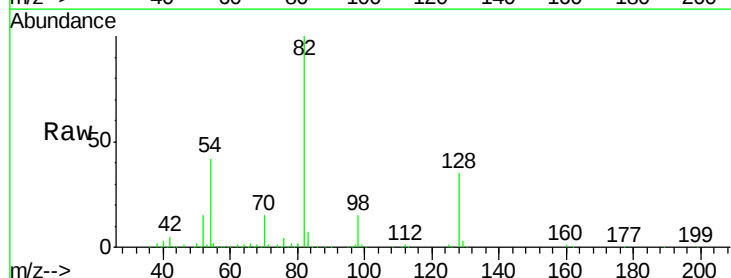
Ion Ratio Lower Upper

70 100

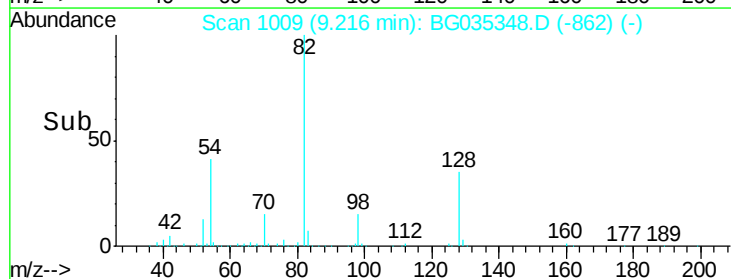
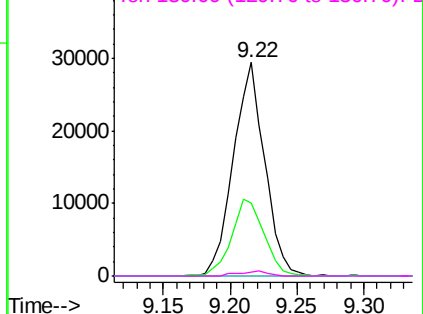
42 34.1 49.1 73.7#

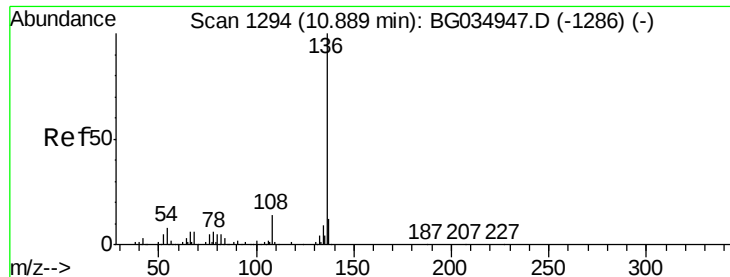
101 0.0 8.5 12.7#

130 2.0 13.4 20.0#



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

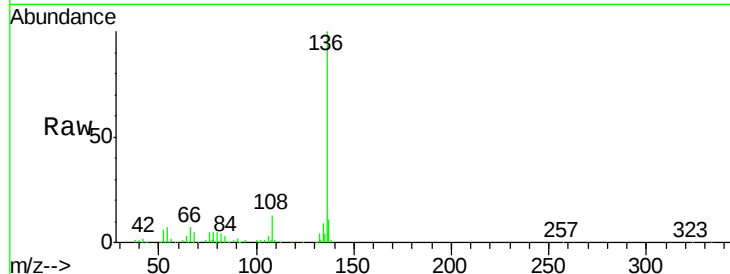




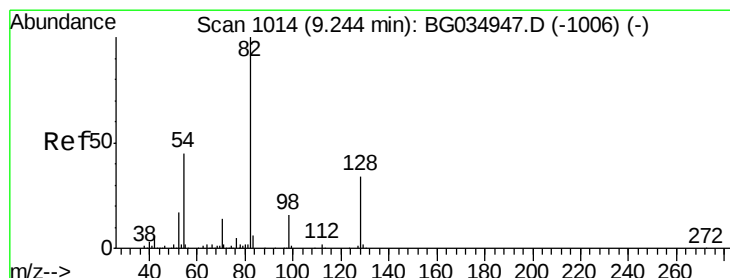
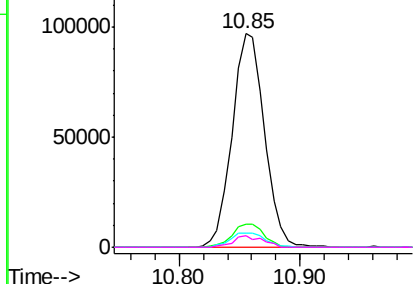
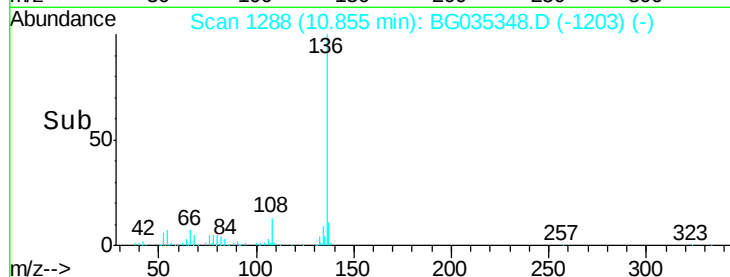
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.85 min Scan# 1288  
Delta R.T. -0.03 min  
Lab File: BG035348.D  
Acq: 23 Jun 2018 00:33

Instrument :  
BNA\_G  
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20180366-FIELD-BLANKRE

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 180507 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.8  | 9.2   | 13.8   |
| 54       | 6.7   | 10.3  | 15.5#  |
| 68       | 5.2   | 4.5   | 6.7    |

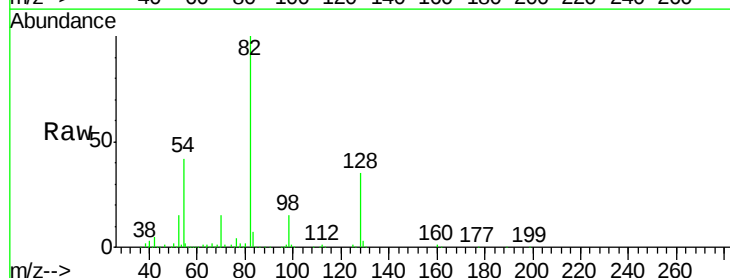


Abundance Ion 136.00 (135.70 to 136.70): BGC  
Ion 137.00 (136.70 to 137.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

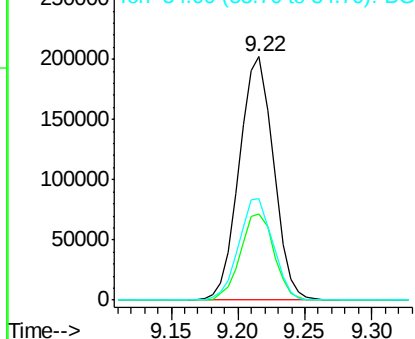
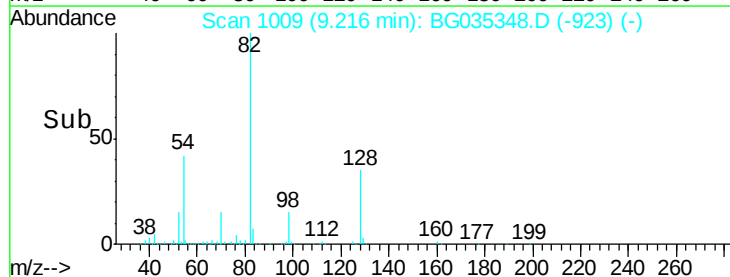


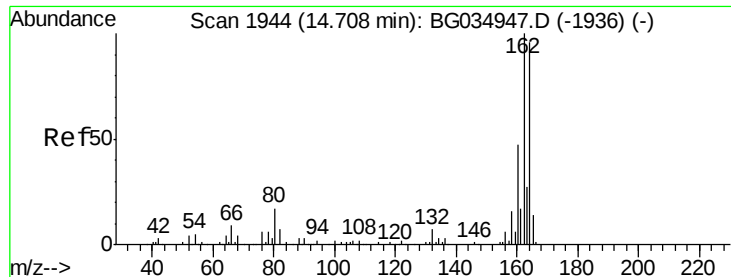
#23  
Nitrobenzene-d5  
Concen: 94.889 ng  
RT: 9.22 min Scan# 1009  
Delta R.T. -0.02 min  
Lab File: BG035348.D  
Acq: 23 Jun 2018 00:33

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 360331 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 35.2  | 29.7  | 44.5   |
| 54       | 41.9  | 43.1  | 64.7#  |



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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.67 min Scan# 1938

Delta R.T. -0.02 min

Lab File: BG035348.D

Acq: 23 Jun 2018 00:33

Instrument :

BNA\_G

ClientSampleId :

20180366-FIELD-BLANKRE

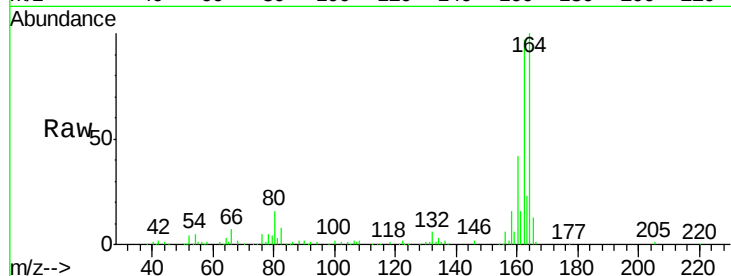
Tgt Ion:164 Resp: 119159

Ion Ratio Lower Upper

164 100

162 96.7 78.8 118.2

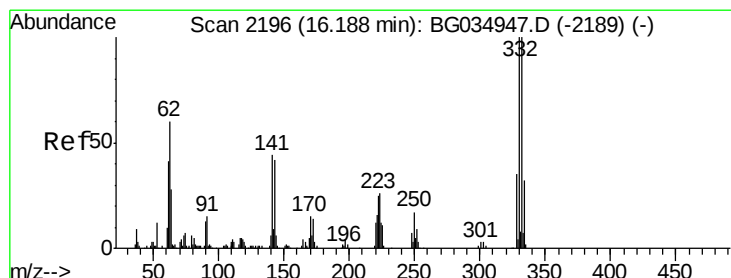
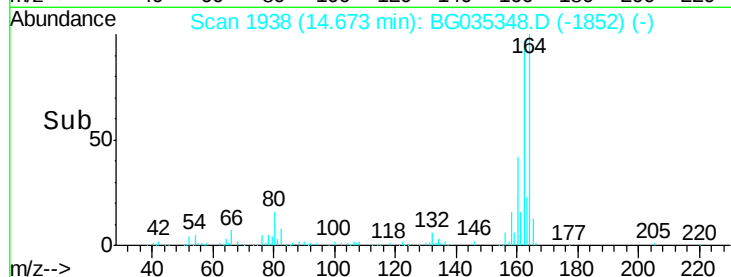
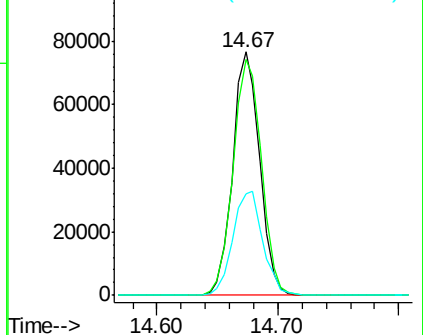
160 41.9 35.4 53.0



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



#41

2,4,6-Tribromophenol

Concen: 9.909 ng

RT: 16.17 min Scan# 2192

Delta R.T. -0.02 min

Lab File: BG035348.D

Acq: 23 Jun 2018 00:33

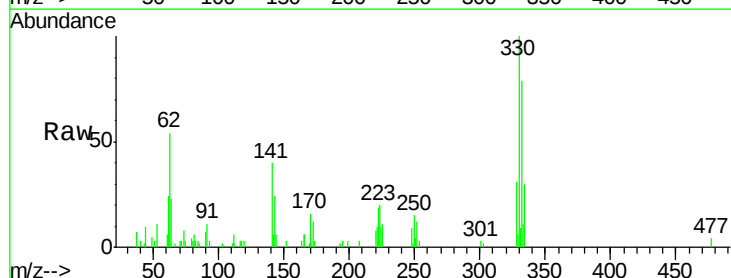
Tgt Ion:330 Resp: 15115

Ion Ratio Lower Upper

330 100

332 92.7 77.0 115.6

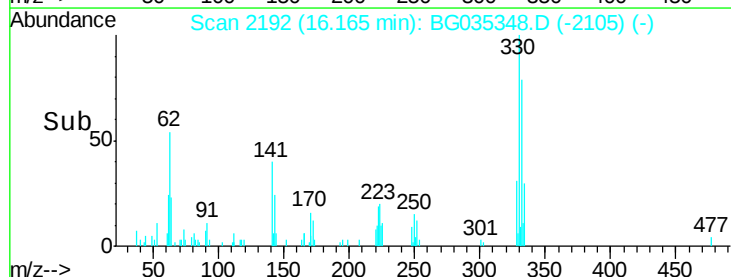
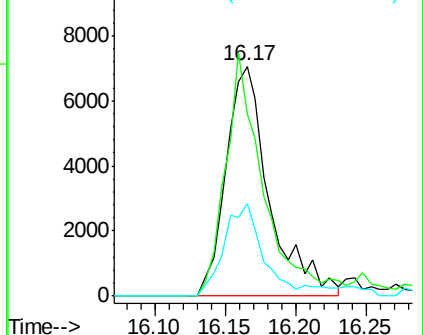
141 35.2 25.2 37.8

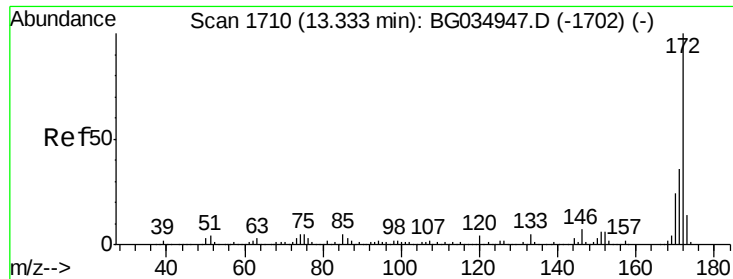


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

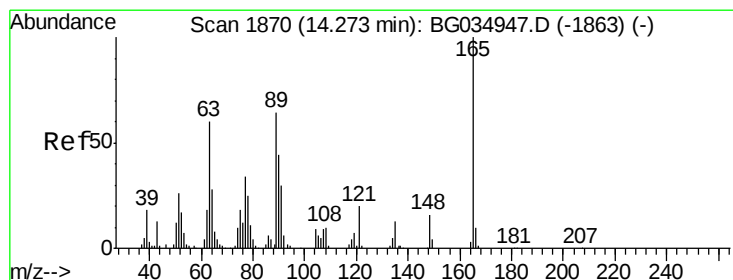
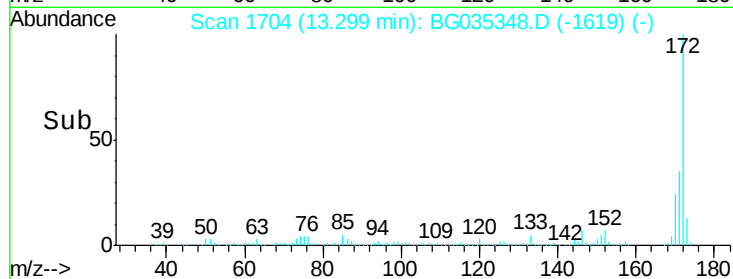
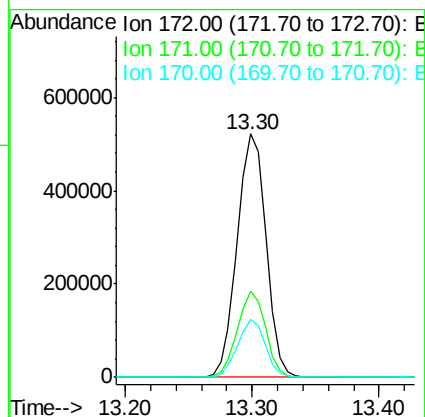
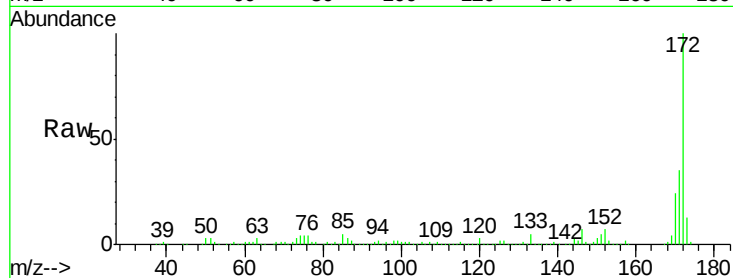




#44  
 2-Fluorobiphenyl  
 Concen: 89.826 ng  
 RT: 13.30 min Scan# 1704  
 Delta R.T. -0.03 min  
 Lab File: BG035348.D  
 Acq: 23 Jun 2018 00:33

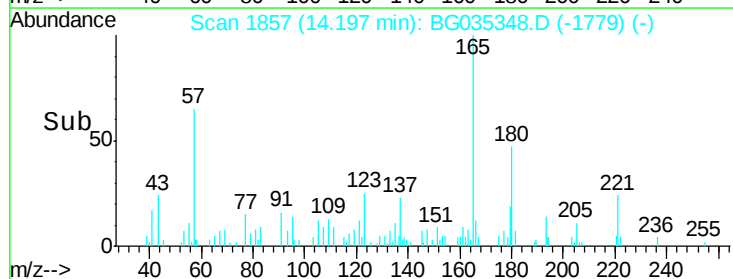
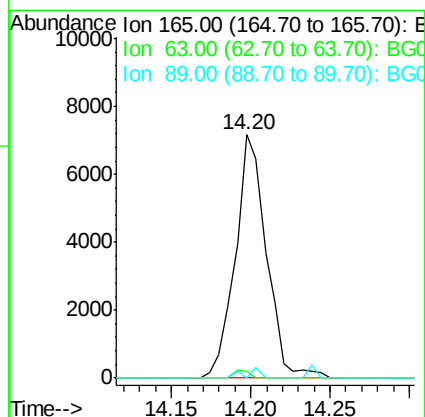
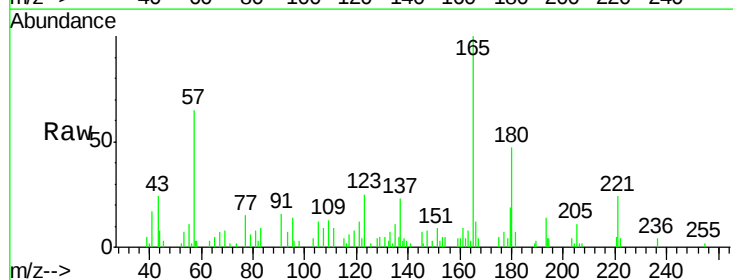
Instrument :  
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 20180366-FIELD-BLANKRE

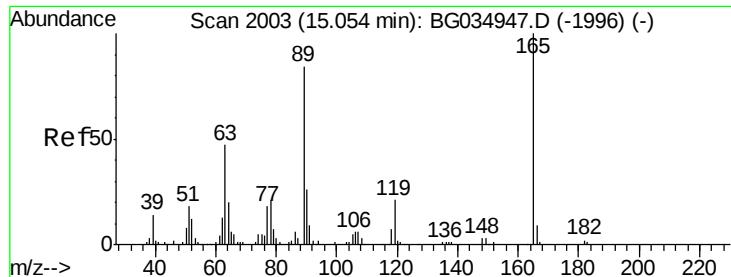
Tgt Ion:172 Resp: 823353  
 Ion Ratio Lower Upper  
 172 100  
 171 35.5 30.0 45.0  
 170 23.9 19.5 29.3



#50  
 2,6-Dinitrotoluene  
 Concen: 5.138 ng  
 RT: 14.20 min Scan# 1857  
 Delta R.T. -0.07 min  
 Lab File: BG035348.D  
 Acq: 23 Jun 2018 00:33

Tgt Ion:165 Resp: 9740  
 Ion Ratio Lower Upper  
 165 100  
 63 3.0 52.7 79.1#  
 89 0.0 49.2 73.8#

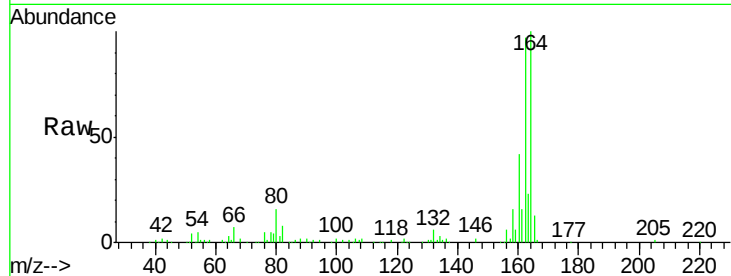




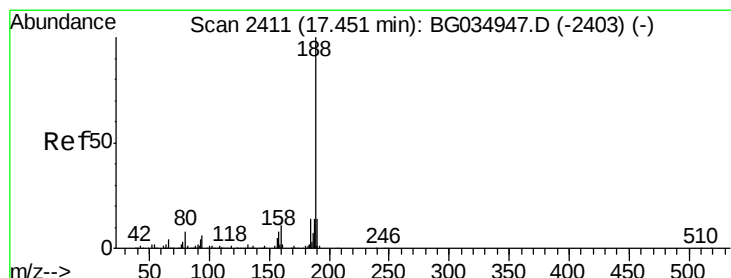
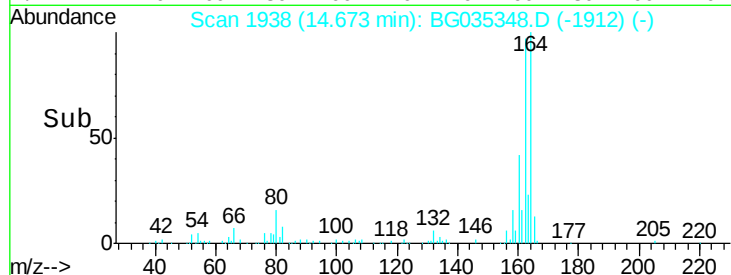
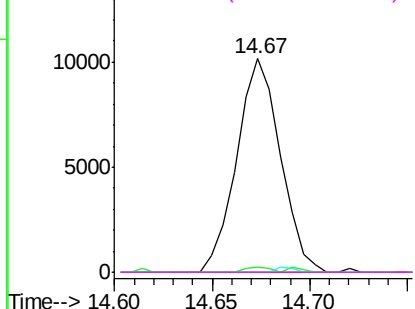
#56  
 2,4-Dinitrotoluene  
 Concen: 6.254 ng  
 RT: 14.67 min Scan# 1938  
 Delta R.T. -0.38 min  
 Lab File: BG035348.D  
 Acq: 23 Jun 2018 00:33

Instrument :  
 BNA\_G  
 ClientSampleId :  
 20180366-FIELD-BLANKRE

Tgt Ion:165 Resp: 15748  
 Ion Ratio Lower Upper  
 165 100  
 63 2.2 42.0 63.0#  
 89 0.0 66.9 100.3#  
 182 0.0 2.6 3.8#

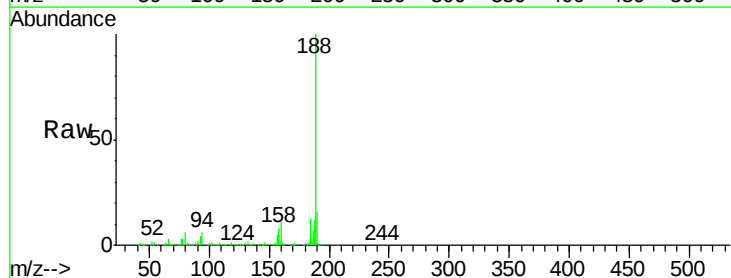


Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BGC  
 Ion 89.00 (88.70 to 89.70): BGC  
 Ion 182.00 (181.70 to 182.70): E

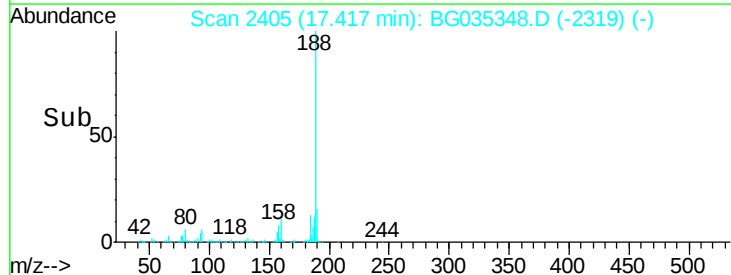
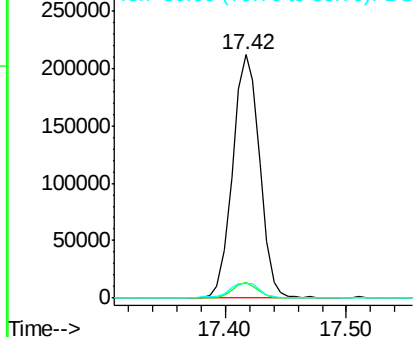


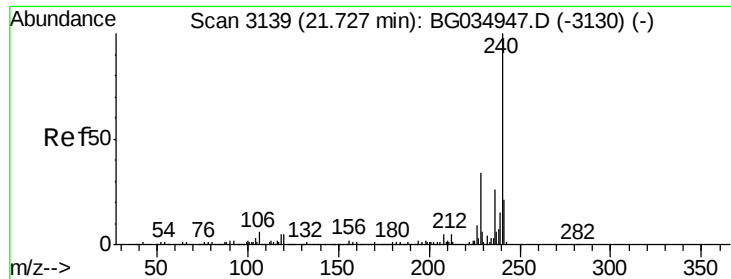
#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.42 min Scan# 2405  
 Delta R.T. -0.02 min  
 Lab File: BG035348.D  
 Acq: 23 Jun 2018 00:33

Tgt Ion:188 Resp: 330025  
 Ion Ratio Lower Upper  
 188 100  
 94 6.3 6.9 10.3#  
 80 6.0 7.7 11.5#



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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.68 min Scan# 3131

Delta R.T. -0.04 min

Lab File: BG035348.D

Acq: 23 Jun 2018 00:33

Instrument :

BNA\_G

ClientSampleId :

20180366-FIELD-BLANKRE

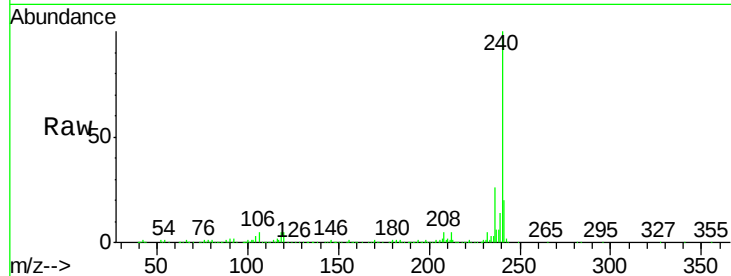
Tgt Ion:240 Resp: 385606

Ion Ratio Lower Upper

240 100

120 5.2 6.8 10.2#

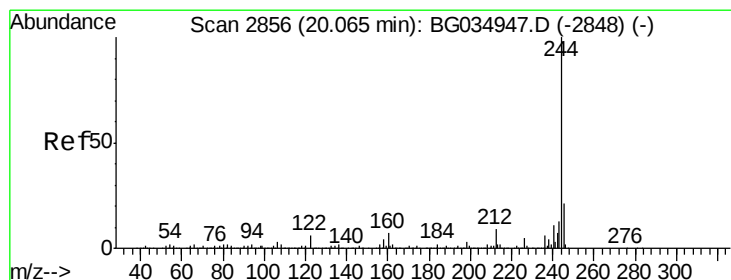
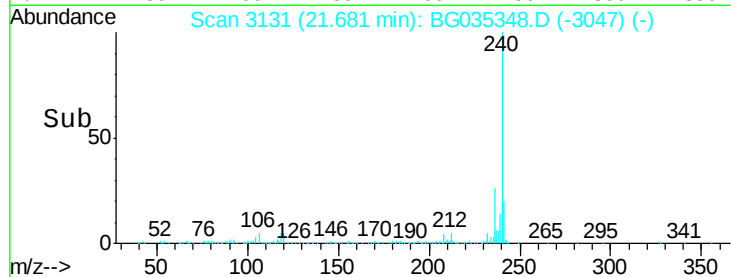
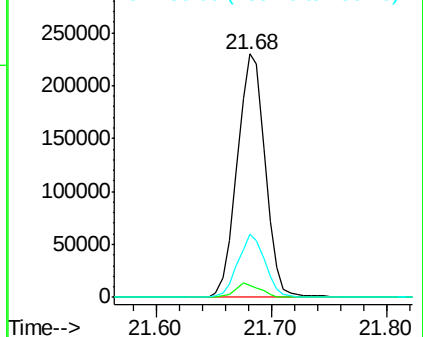
236 25.9 20.9 31.3



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



#78

Terphenyl-d14

Concen: 86.740 ng

RT: 20.02 min Scan# 2849

Delta R.T. -0.02 min

Lab File: BG035348.D

Acq: 23 Jun 2018 00:33

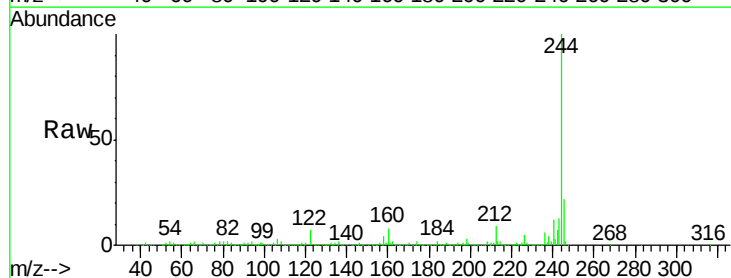
Tgt Ion:244 Resp: 1596792

Ion Ratio Lower Upper

244 100

212 9.4 5.8 8.8#

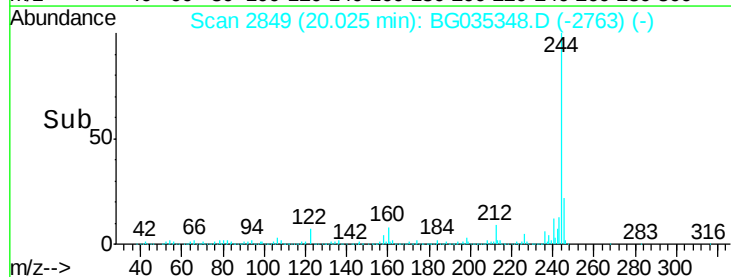
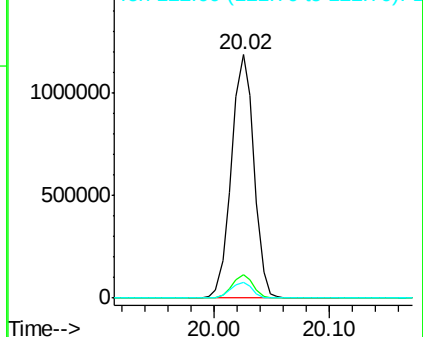
122 6.5 7.0 10.4#

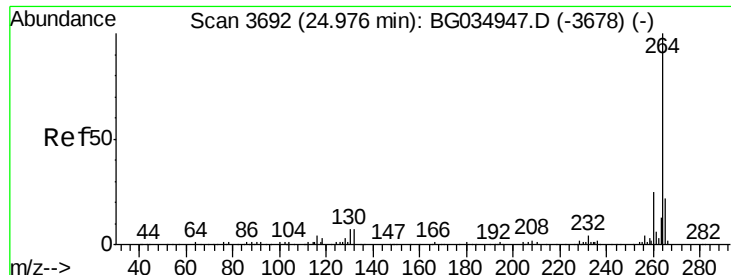


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 24.90 min Scan# 3679  
Delta R.T. -0.05 min  
Lab File: BG035348.D  
Acq: 23 Jun 2018 00:33

Instrument :  
BNA\_G  
ClientSampleId :  
20180366-FIELD-BLANKRE

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 20.8  | 17.4  | 26.0  |
| 265     | 22.0  | 17.7  | 26.5  |

