

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG072518\  
 Data File : BG035901.D  
 Acq On : 26 Jul 2018 9:27  
 Operator : JU/SJ  
 Sample : J4107-07  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 071918-TIPC-E-D-M

Quant Time: Jul 26 11:01:39 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG071218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 25 11:04:14 2018  
 Response via : Initial Calibration

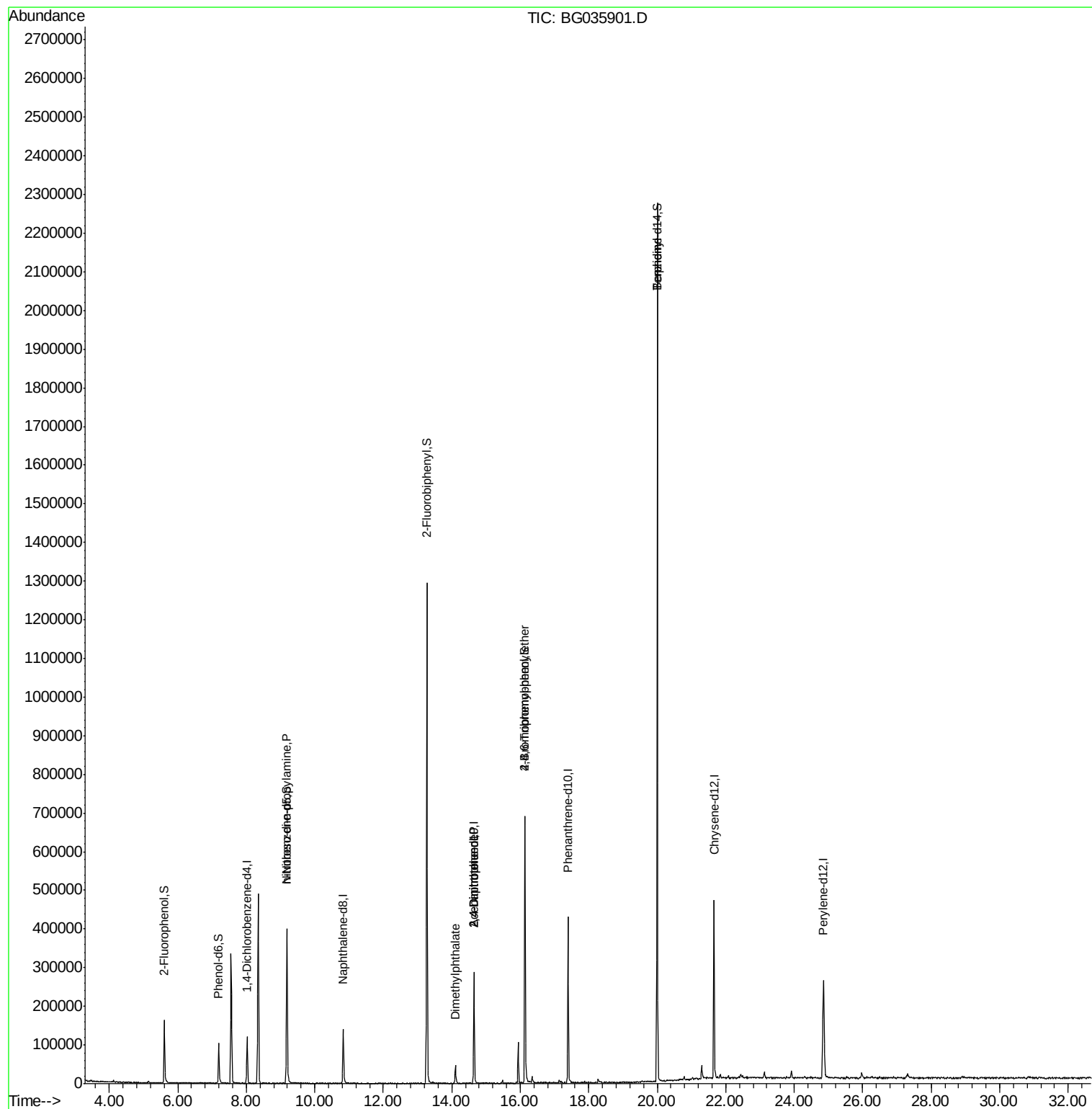
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.02  | 152  | 34338    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 10.83 | 136  | 130717   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 14.65 | 164  | 106592   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 17.39 | 188  | 289908   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 21.66 | 240  | 304295   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 24.86 | 264  | 285860   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.61  | 112  | 77584    | 37.51  | ng    | 0.00     |
| 7) Phenol-d6                   | 7.19  | 99   | 71775    | 23.26  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 9.19  | 82   | 285633   | 91.28  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 16.14 | 330  | 131168   | 93.36  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 13.27 | 172  | 728040   | 91.51  | ng    | 0.00     |
| 78) Terphenyl-d14              | 20.00 | 244  | 1044776  | 75.68  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 9.19  | 70   | 37763    | 14.532 | ng    | # 71     |
| 49) Dimethylphthalate          | 14.10 | 163  | 42164    | 4.515  | ng    | # 96     |
| 53) 2,4-Dinitrophenol          | 14.64 | 184  | 67       | 6.645  | ng    | # 1      |
| 56) 2,4-Dinitrotoluene         | 14.65 | 165  | 14315    | 5.247  | ng    | # 19     |
| 66) 4-Bromophenyl-phenylether  | 16.13 | 248  | 10500    | 3.122  | ng    | # 1      |
| 76) Benzidine                  | 20.00 | 184  | 18450    | 2.306  | ng    | # 94     |

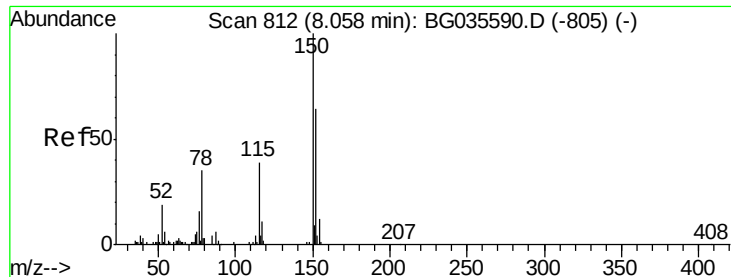
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jul 25 11:04:14 2018  
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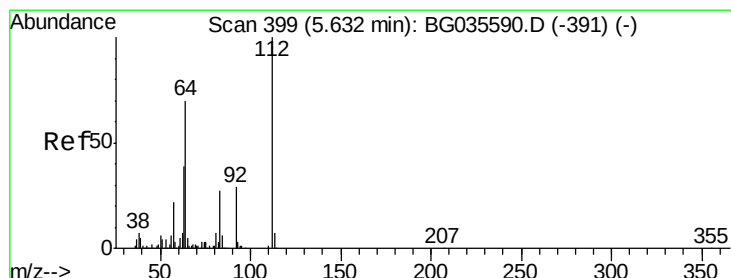
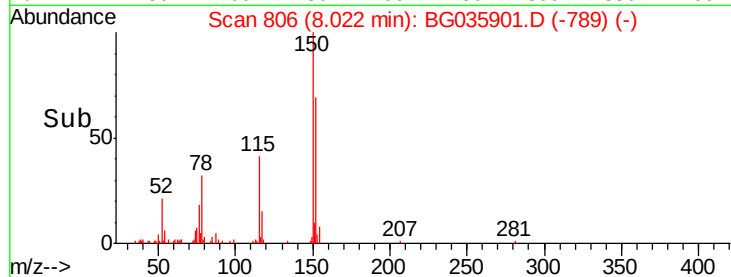
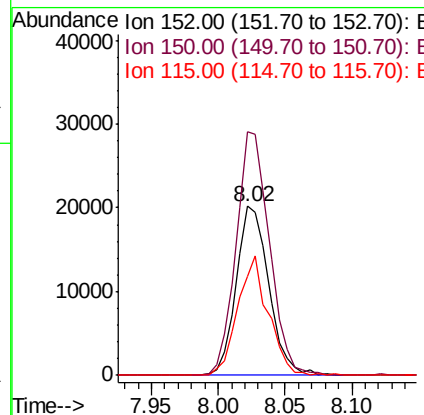
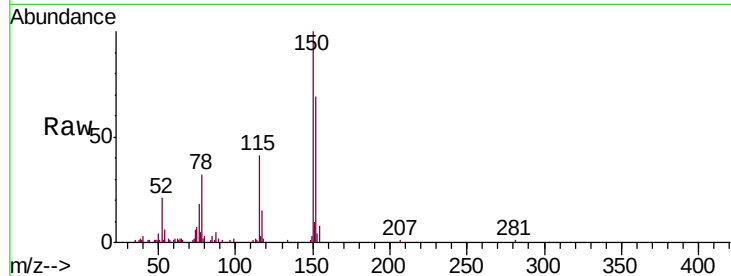


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.02 min Scan# 806  
Delta R.T. -0.00 min  
Lab File: BG035901.D  
Acq: 26 Jul 2018 9:27

Instrument :  
BNA\_G  
ClientSampleId :  
071918-TIPC-E-D-M

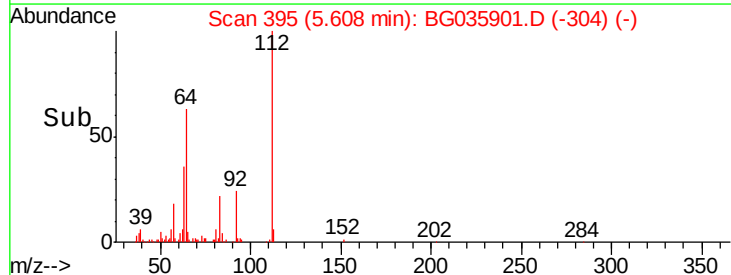
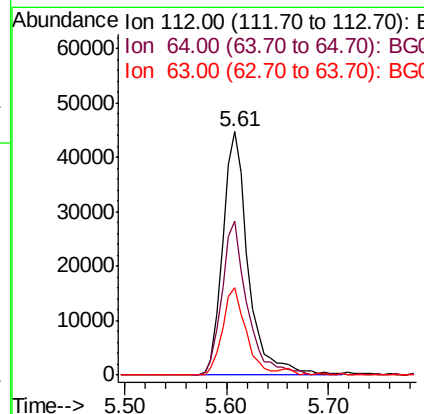
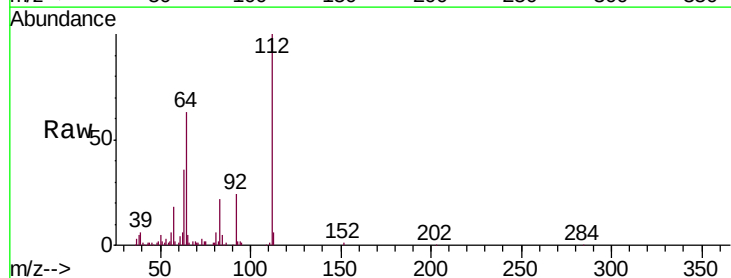
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 144.3 | 126.6 | 189.8 |
| 115     | 58.5  | 53.0  | 79.4  |

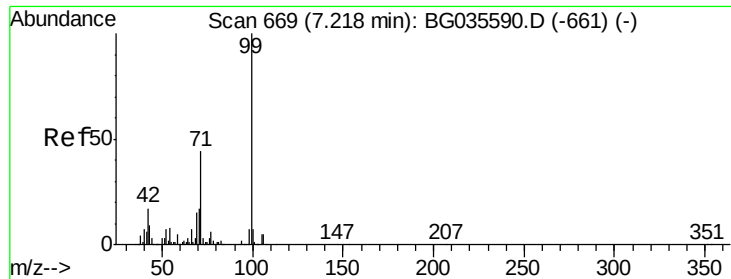


#5

2-Fluorophenol  
Concen: 37.512 ng  
RT: 5.61 min Scan# 395  
Delta R.T. 0.00 min  
Lab File: BG035901.D  
Acq: 26 Jul 2018 9:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 63.2  | 56.3  | 84.5  |
| 63      | 35.9  | 30.1  | 45.1  |





#7

Phenol-d6

Concen: 23.260 ng

RT: 7.19 min Scan# 665

Delta R.T. -0.00 min

Lab File: BG035901.D

Acq: 26 Jul 2018 9:27

Instrument :

BNA\_G

ClientSampleId :

071918-TIPC-E-D-M

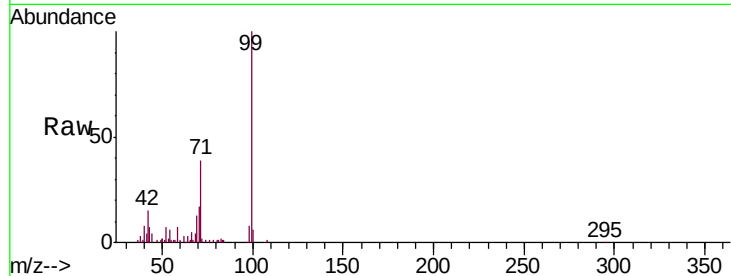
Tgt Ion: 99 Resp: 71775

Ion Ratio Lower Upper

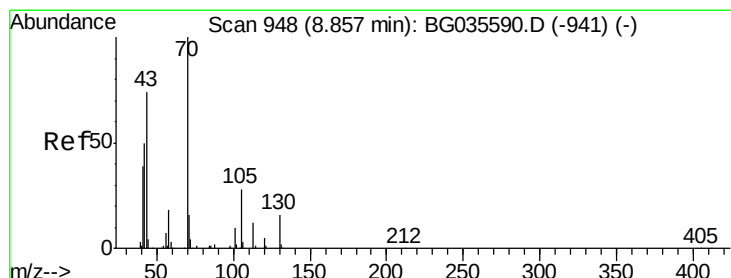
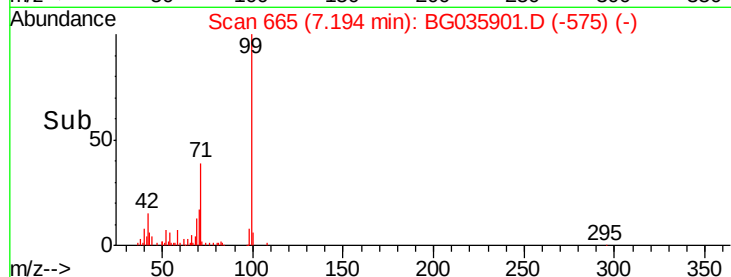
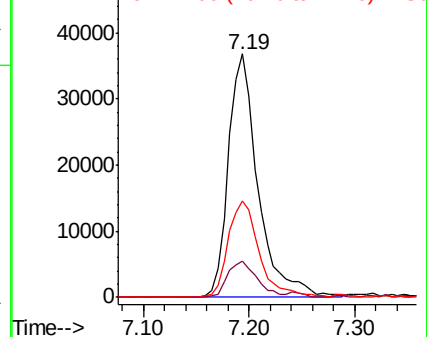
99 100

42 15.0 14.1 21.1

71 39.4 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: 14.532 ng

RT: 9.19 min Scan# 1004

Delta R.T. 0.36 min

Lab File: BG035901.D

Acq: 26 Jul 2018 9:27

Tgt Ion: 70 Resp: 37763

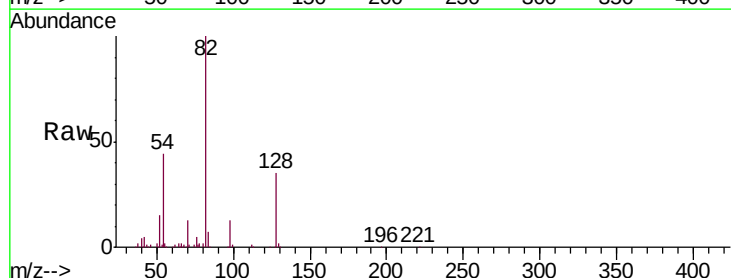
Ion Ratio Lower Upper

70 100

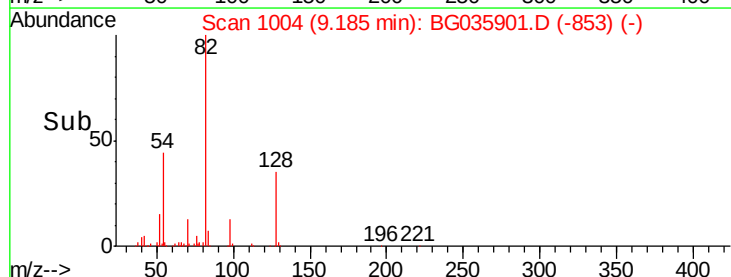
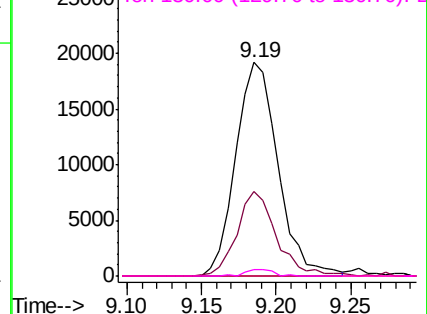
42 39.3 49.1 73.7#

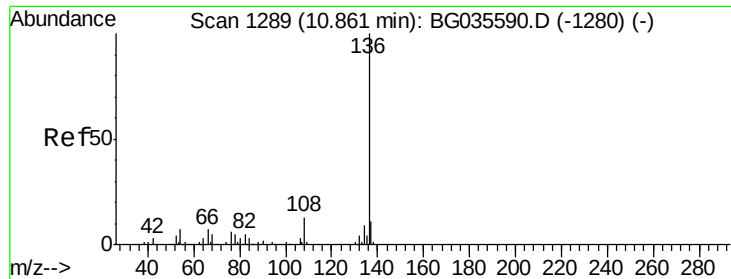
101 0.0 8.5 12.7#

130 3.1 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

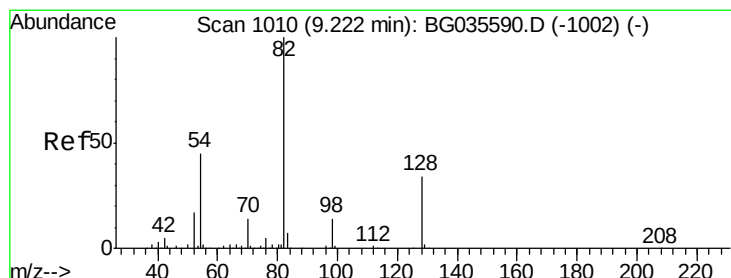
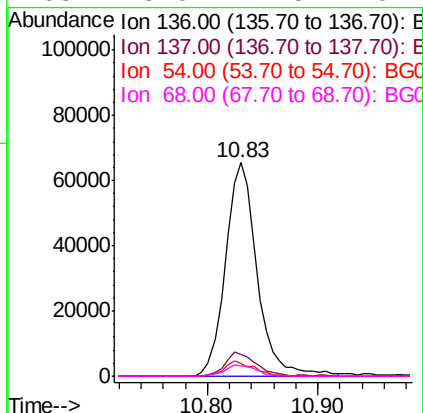
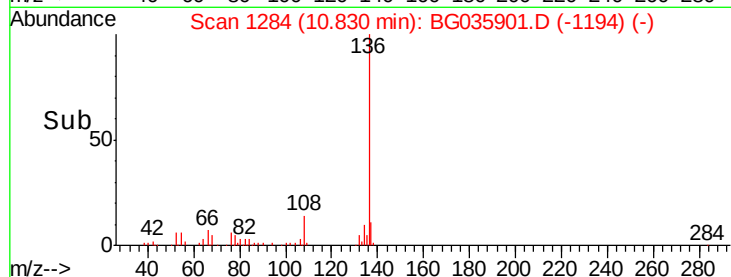
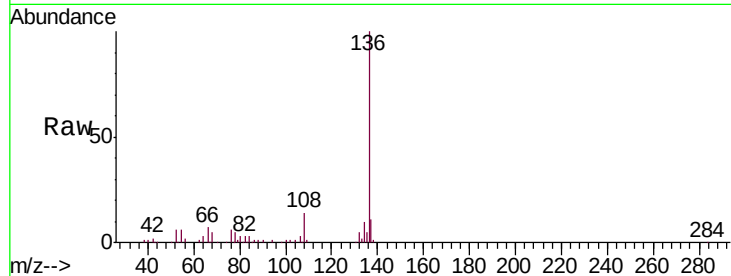




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.83 min Scan# 1284  
Delta R.T. -0.00 min  
Lab File: BG035901.D  
Acq: 26 Jul 2018 9:27

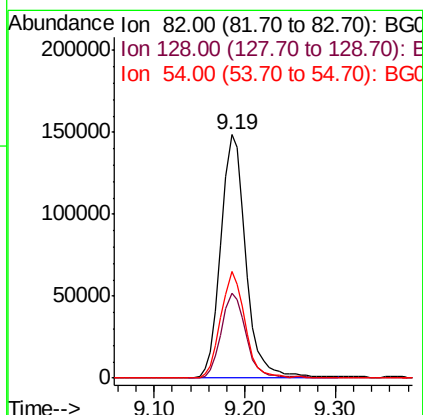
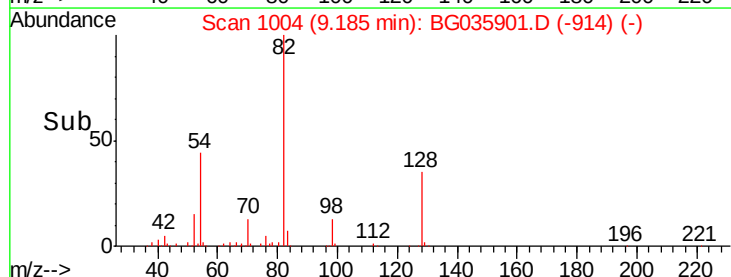
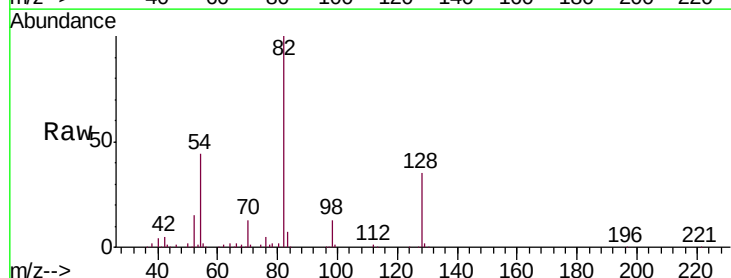
Instrument :  
BNA\_G  
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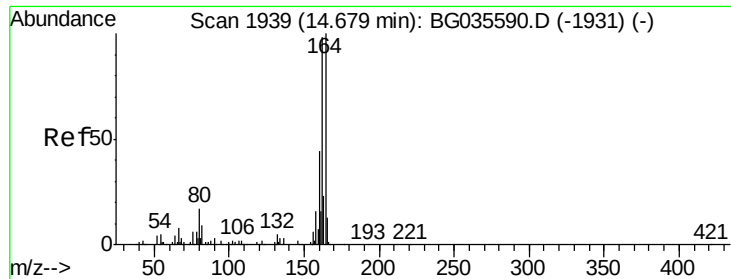
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 130717 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.5  | 9.2   | 13.8   |
| 54       | 6.2   | 10.3  | 15.5   |
| 68       | 5.0   | 4.5   | 6.7    |



#23  
Nitrobenzene-d5  
Concen: 91.283 ng  
RT: 9.19 min Scan# 1004  
Delta R.T. -0.00 min  
Lab File: BG035901.D  
Acq: 26 Jul 2018 9:27

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 285633 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 34.8  | 29.7  | 44.5   |
| 54       | 43.6  | 43.1  | 64.7   |





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1934

Delta R.T. -0.00 min

Lab File: BG035901.D

Acq: 26 Jul 2018 9:27

Instrument :

BNA\_G

ClientSampleId :

071918-TIPC-E-D-M

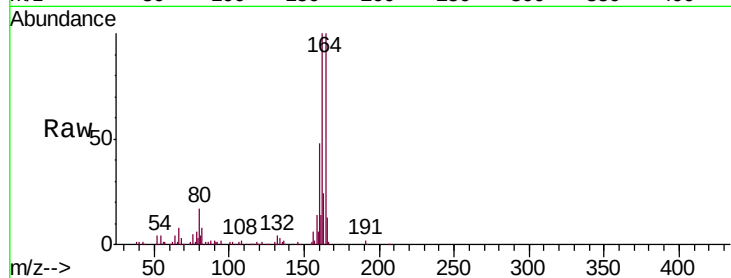
Tgt Ion:164 Resp: 106592

Ion Ratio Lower Upper

164 100

162 99.7 78.8 118.2

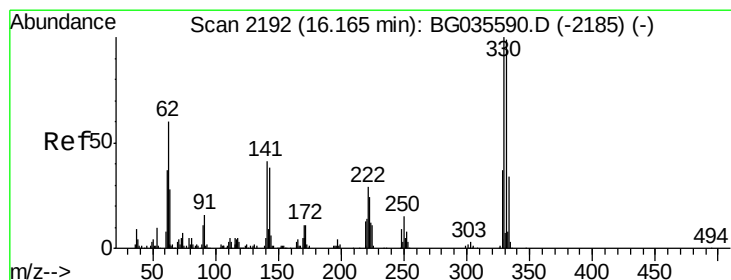
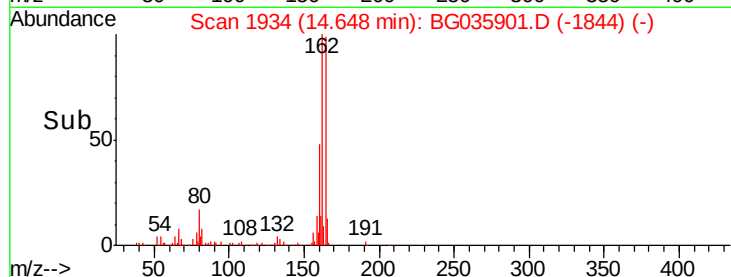
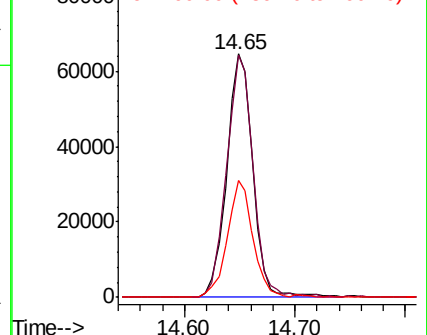
160 48.1 35.4 53.0



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: 93.361 ng

RT: 16.14 min Scan# 2188

Delta R.T. -0.00 min

Lab File: BG035901.D

Acq: 26 Jul 2018 9:27

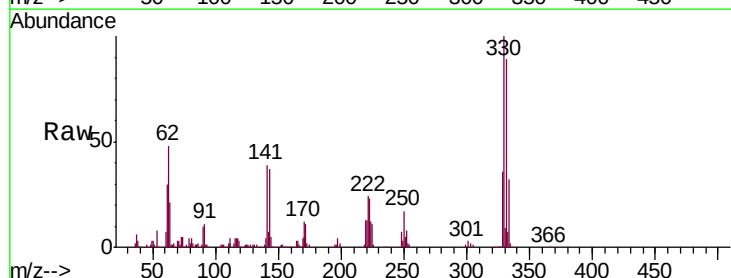
Tgt Ion:330 Resp: 131168

Ion Ratio Lower Upper

330 100

332 97.9 77.0 115.6

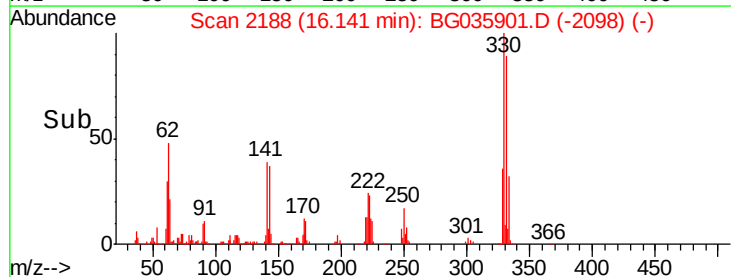
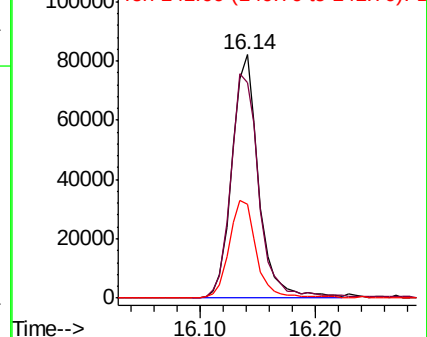
141 40.8 25.2 37.8#

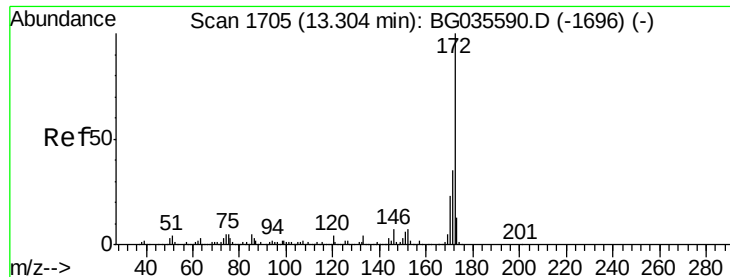


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

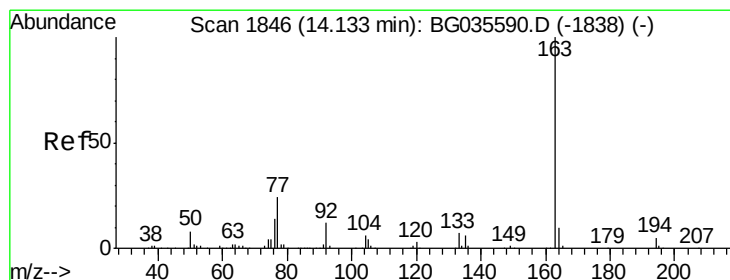
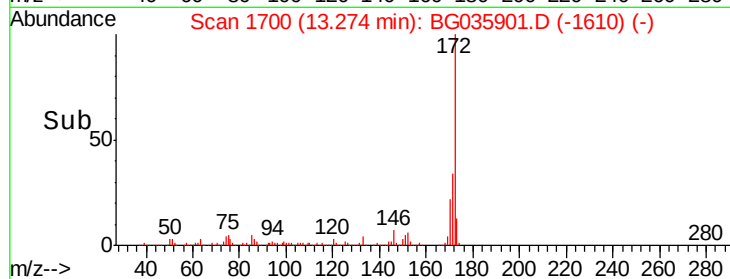
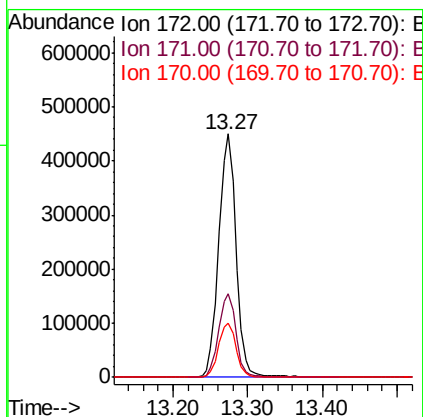
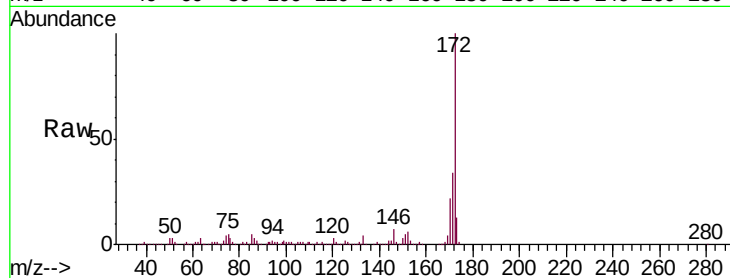




#44  
 2-Fluorobiphenyl  
 Concen: 91.506 ng  
 RT: 13.27 min Scan# 1700  
 Delta R.T. -0.00 min  
 Lab File: BG035901.D  
 Acq: 26 Jul 2018 9:27

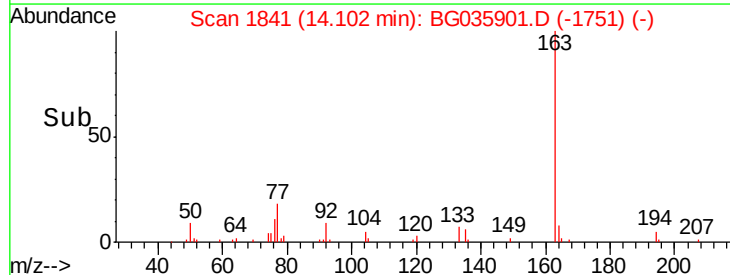
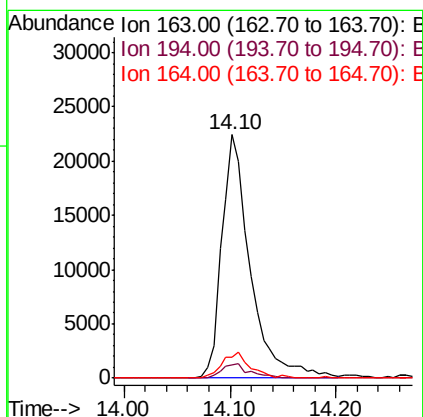
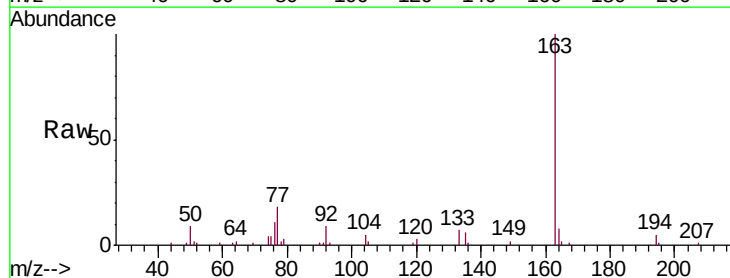
Instrument :  
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 071918-TIPC-E-D-M

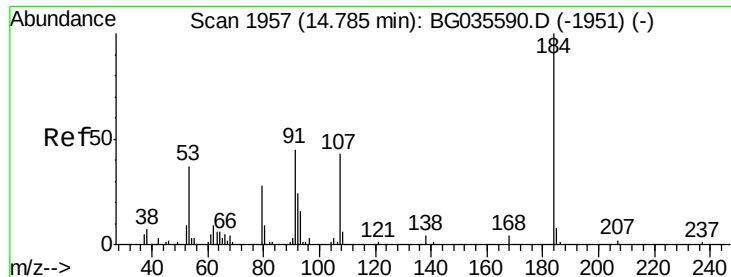
Tgt Ion:172 Resp: 728040  
 Ion Ratio Lower Upper  
 172 100  
 171 34.3 30.0 45.0  
 170 22.5 19.5 29.3



#49  
 Dimethylphthalate  
 Concen: 4.515 ng  
 RT: 14.10 min Scan# 1841  
 Delta R.T. -0.00 min  
 Lab File: BG035901.D  
 Acq: 26 Jul 2018 9:27

Tgt Ion:163 Resp: 42164  
 Ion Ratio Lower Upper  
 163 100  
 194 5.2 3.4 5.2#  
 164 8.4 8.2 12.4

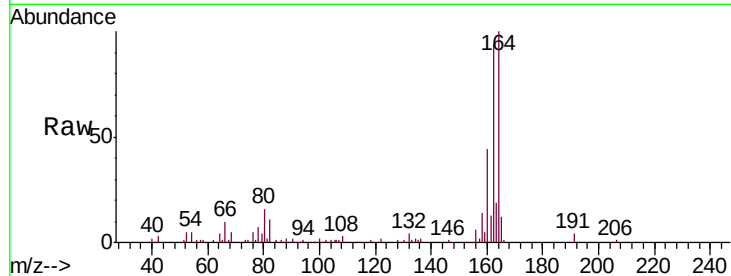




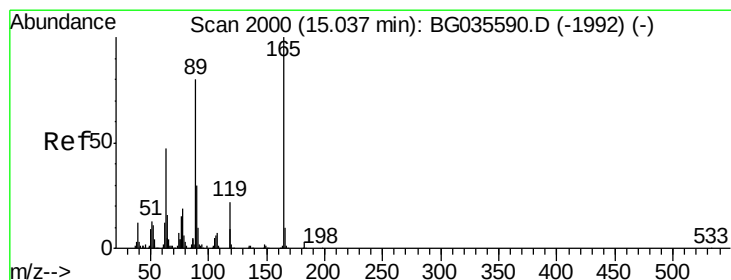
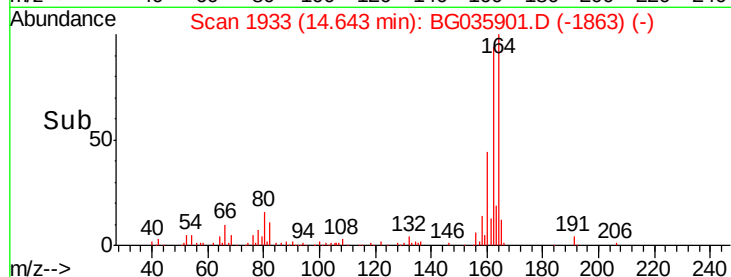
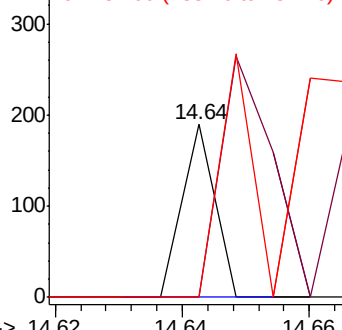
#53  
2,4-Dinitrophenol  
Concen: 6.645 ng  
RT: 14.64 min Scan# 1933  
Delta R.T. -0.12 min  
Lab File: BG035901.D  
Acq: 26 Jul 2018 9:27

Instrument :  
BNA\_G  
ClientSampleId :  
071918-TIPC-E-D-M

Tgt Ion:184 Resp: 67  
Ion Ratio Lower Upper  
184 100  
63 0.0 59.8 89.8#  
154 0.0 101.8 152.8#

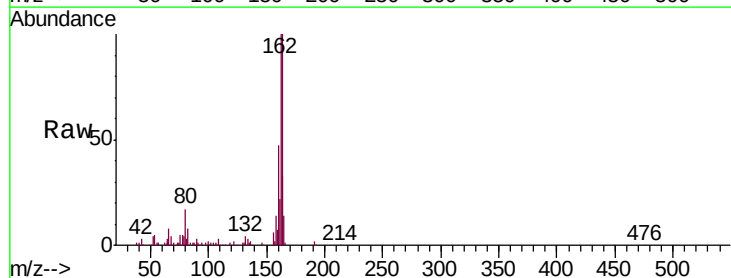


Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 63.00 (62.70 to 63.70): BG  
Ion 154.00 (153.70 to 154.70): E

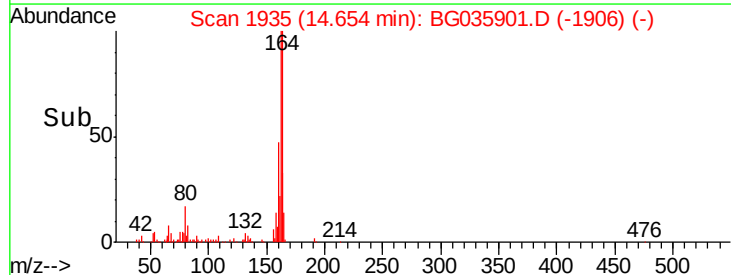
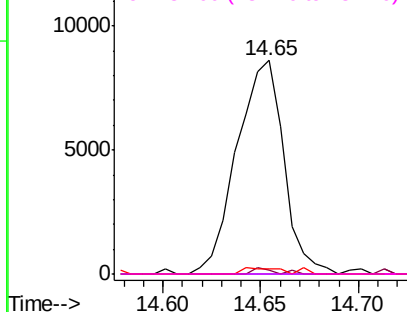


#56  
2,4-Dinitrotoluene  
Concen: 5.247 ng  
RT: 14.65 min Scan# 1935  
Delta R.T. -0.36 min  
Lab File: BG035901.D  
Acq: 26 Jul 2018 9:27

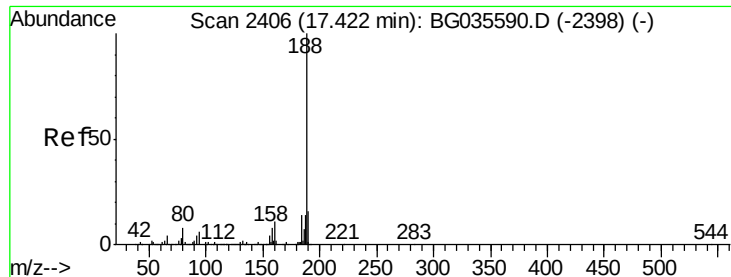
Tgt Ion:165 Resp: 14315  
Ion Ratio Lower Upper  
165 100  
63 1.8 42.0 63.0#  
89 2.2 66.9 100.3#  
182 0.0 2.6 3.8#



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



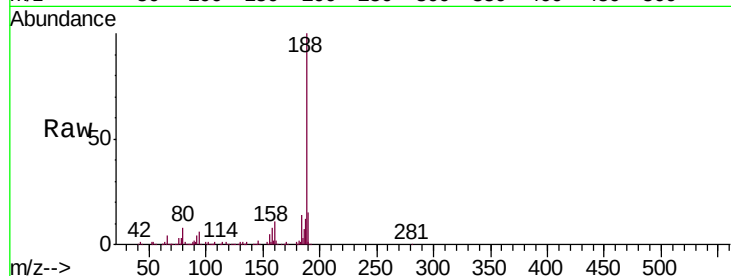




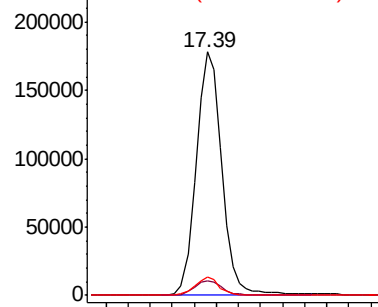
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.39 min Scan# 2401  
Delta R.T. -0.00 min  
Lab File: BG035901.D  
Acq: 26 Jul 2018 9:27

Instrument :  
BNA\_G  
ClientSampleId :  
071918-TIPC-E-D-M

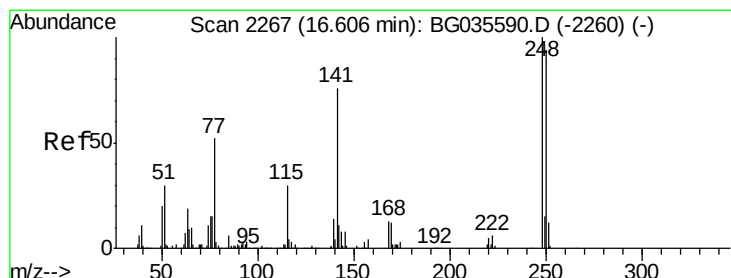
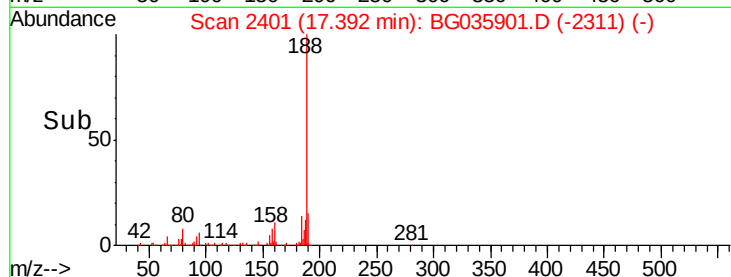
Tgt Ion:188 Resp: 289908  
Ion Ratio Lower Upper  
188 100  
94 5.7 6.9 10.3#  
80 7.8 7.7 11.5



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

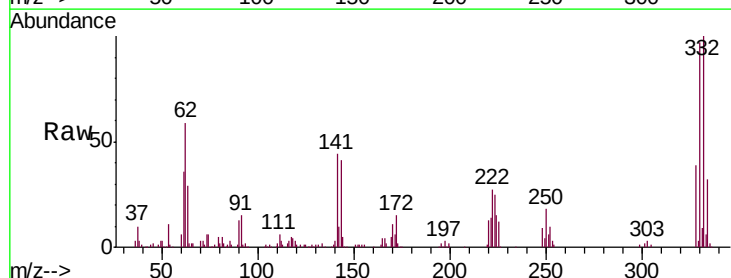


Time--> 17.30 17.40 17.50

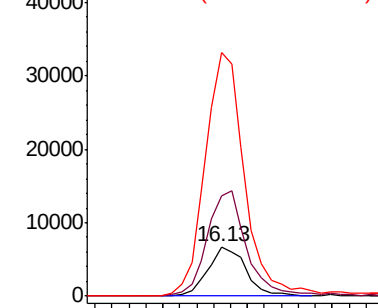


#66  
4-Bromophenyl-phenylether  
Concen: 3.122 ng  
RT: 16.13 min Scan# 2187  
Delta R.T. -0.45 min  
Lab File: BG035901.D  
Acq: 26 Jul 2018 9:27

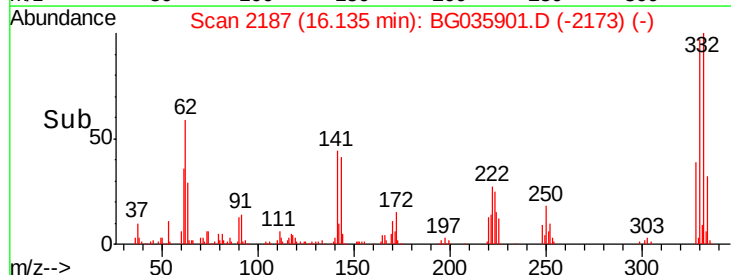
Tgt Ion:248 Resp: 10500  
Ion Ratio Lower Upper  
248 100  
250 203.5 77.1 115.7#  
141 496.1 50.8 76.2#

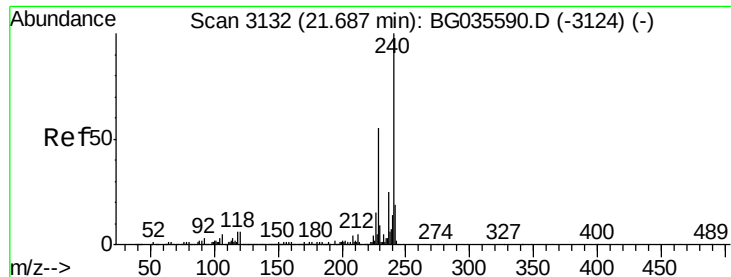


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E



Time--> 16.10 16.15 16.20





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.66 min Scan# 3127

Delta R.T. -0.00 min

Lab File: BG035901.D

Acq: 26 Jul 2018 9:27

Instrument :

BNA\_G

ClientSampleId :

071918-TIPC-E-D-M

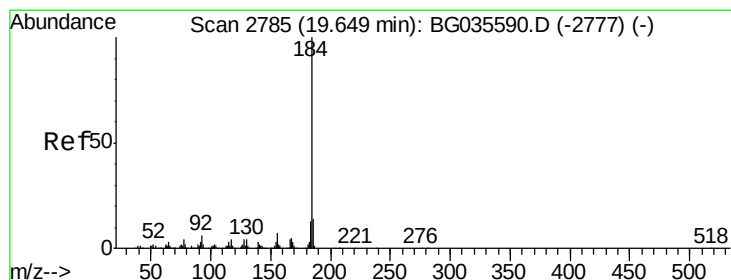
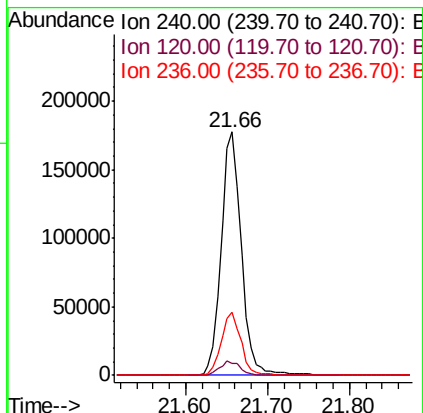
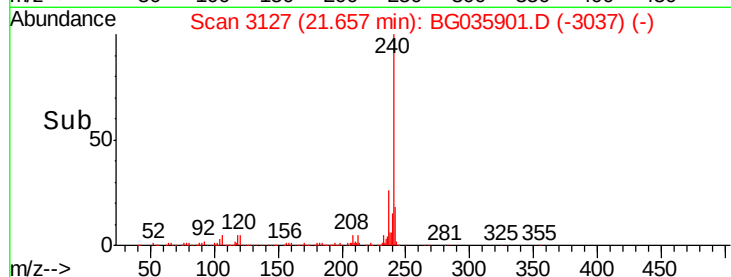
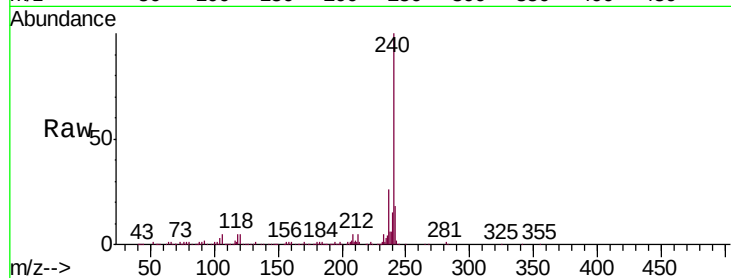
Tgt Ion:240 Resp: 304295

Ion Ratio Lower Upper

240 100

120 4.7 6.8 10.2#

236 25.9 20.9 31.3



#76

Benzidine

Concen: 2.306 ng

RT: 20.00 min Scan# 2845

Delta R.T. 0.37 min

Lab File: BG035901.D

Acq: 26 Jul 2018 9:27

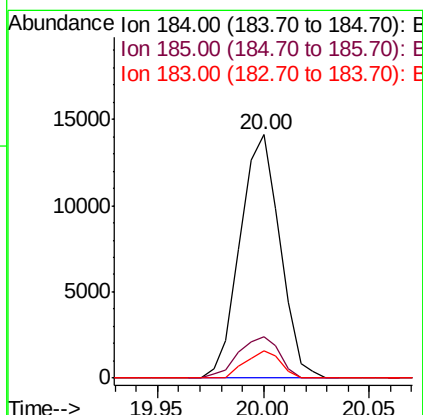
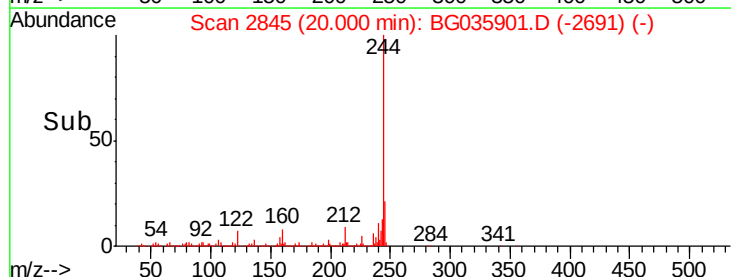
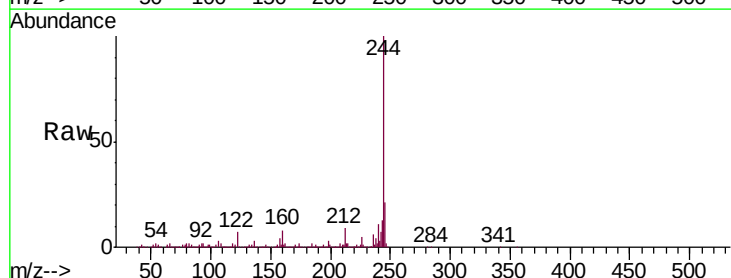
Tgt Ion:184 Resp: 18450

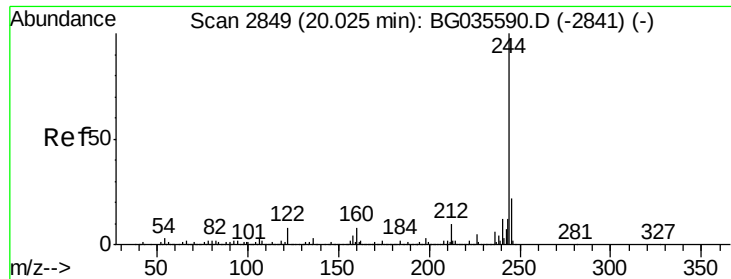
Ion Ratio Lower Upper

184 100

185 16.8 11.1 16.7#

183 11.3 10.6 16.0





#78

Terphenyl-d14

Concen: 75.683 ng

RT: 20.00 min Scan# 2845

Delta R.T. -0.00 min

Lab File: BG035901.D

Acq: 26 Jul 2018 9:27

Instrument :

BNA\_G

ClientSampleId :

071918-TIPC-E-D-M

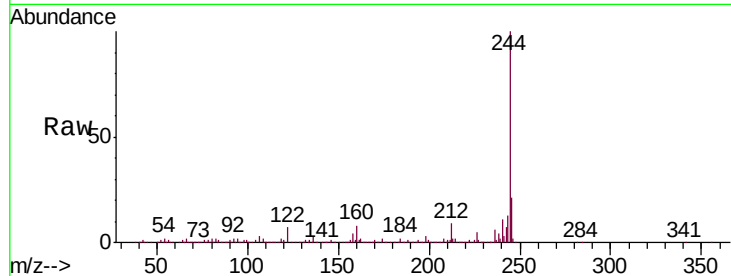
Tgt Ion:244 Resp: 1044776

Ion Ratio Lower Upper

244 100

212 9.2 5.8 8.8#

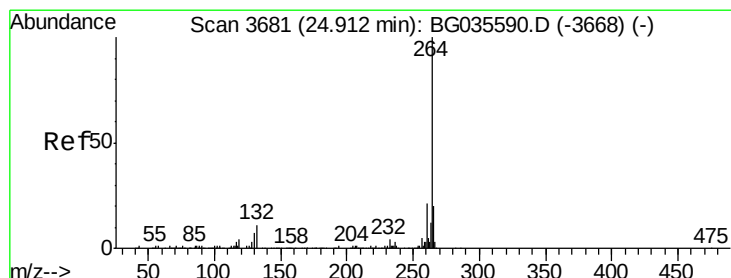
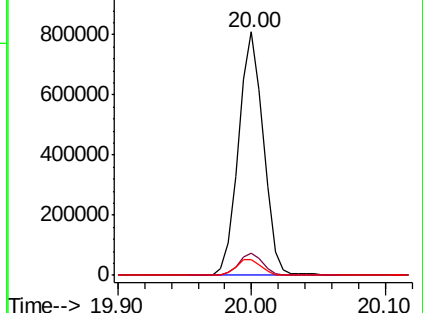
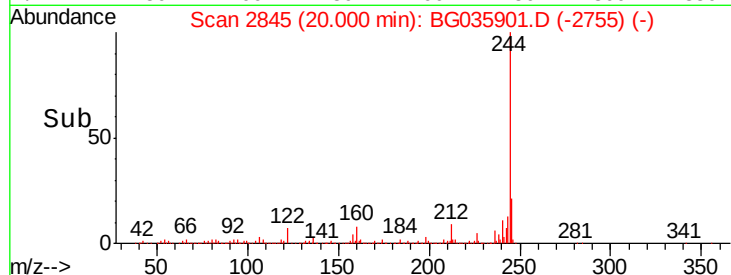
122 6.7 7.0 10.4#



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: 24.86 min Scan# 3672

Delta R.T. -0.00 min

Lab File: BG035901.D

Acq: 26 Jul 2018 9:27

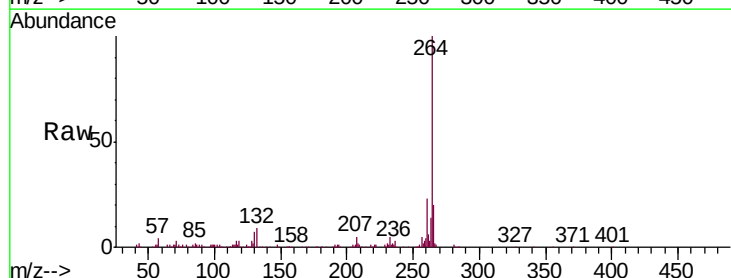
Tgt Ion:264 Resp: 285860

Ion Ratio Lower Upper

264 100

260 23.2 17.4 26.0

265 20.5 17.7 26.5



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

