

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG040219\  
 Data File : BG040314.D  
 Acq On : 3 Apr 2019 2:43  
 Operator : JU/SJ  
 Sample : K2182-04  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Apr 03 03:42:26 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG032719.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Mar 28 05:47:00 2019  
 Response via : Initial Calibration

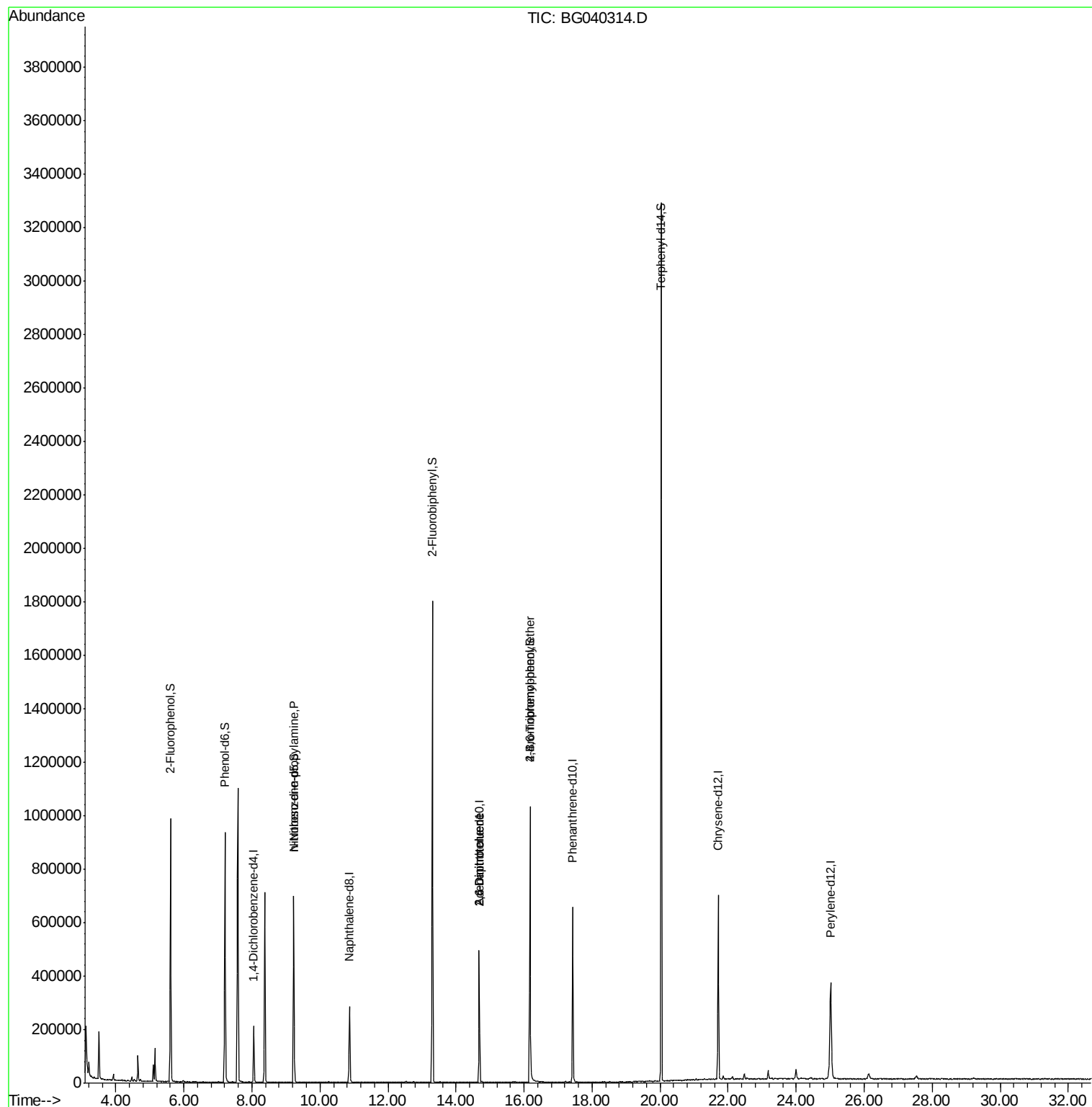
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.05  | 152  | 58116    | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8             | 10.87 | 136  | 249002   | 20.00  | ng    | -0.02    |
| 39) Acenaphthene-d10           | 14.68 | 164  | 172362   | 20.00  | ng    | -0.02    |
| 64) Phenanthrene-d10           | 17.43 | 188  | 429343   | 20.00  | ng    | -0.02    |
| 76) Chrysene-d12               | 21.71 | 240  | 430169   | 20.00  | ng    | -0.02    |
| 87) Perylene-d12               | 25.01 | 264  | 429891   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.61  | 112  | 432031   | 123.58 | ng    | 0.00     |
| 7) Phenol-d6                   | 7.21  | 99   | 558707   | 115.64 | ng    | -0.02    |
| 23) Nitrobenzene-d5            | 9.23  | 82   | 414008   | 88.38  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol       | 16.17 | 330  | 193385   | 103.82 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl           | 13.31 | 172  | 961638   | 82.67  | ng    | -0.02    |
| 79) Terphenyl-d14              | 20.03 | 244  | 1596235  | 83.48  | ng    | -0.02    |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 9.23  | 70   | 53115    | 15.334 | ng    | # 75     |
| 51) 2,6-Dinitrotoluene         | 14.68 | 165  | 21862    | 7.218  | ng    | # 26     |
| 57) 2,4-Dinitrotoluene         | 14.68 | 165  | 21862    | 5.194  | ng    | # 26     |
| 67) 4-Bromophenyl-phenylether  | 16.17 | 248  | 15110    | 3.127  | ng    | # 1      |

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

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Misc :  
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BNA\_G  
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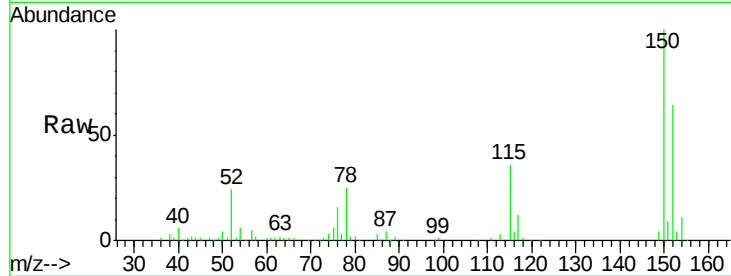


#1

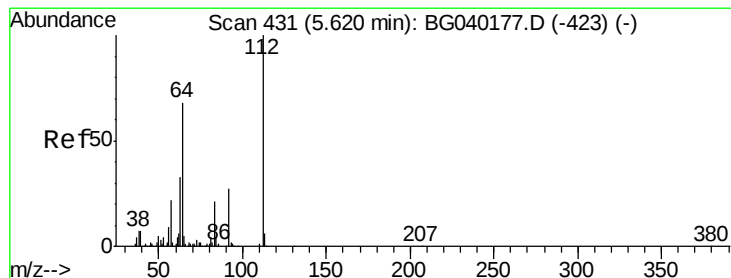
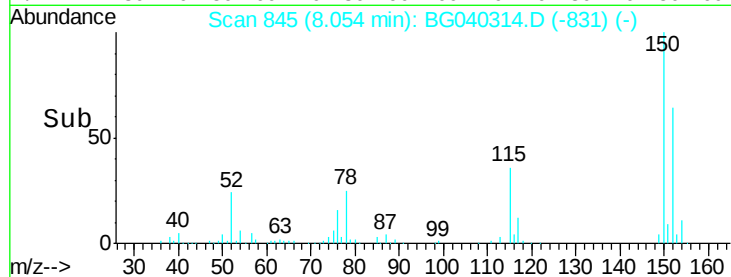
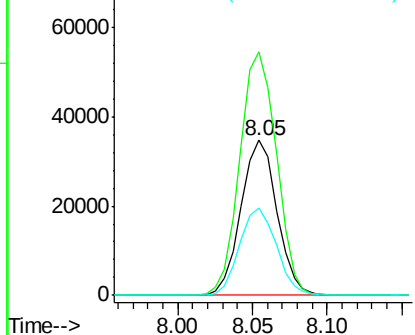
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.05 min Scan# 845  
Delta R.T. -0.02 min  
Lab File: BG040314.D  
Acq: 3 Apr 2019 2:43

Instrument :  
BNA\_G  
ClientSampled :

Tot Ion:152 Resp: 58116  
Ion Ratio Lower Upper  
152 100  
150 157.0 123.7 185.5  
115 56.3 46.9 70.3



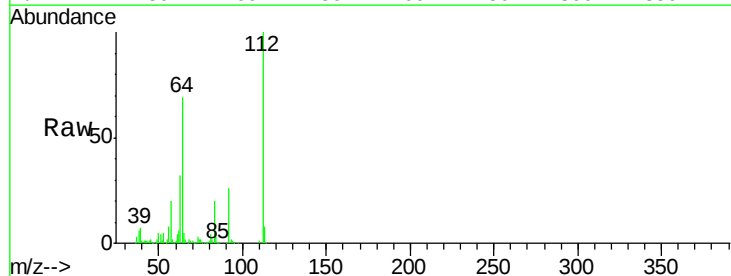
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



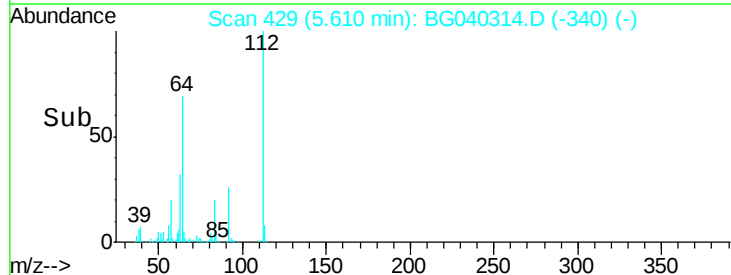
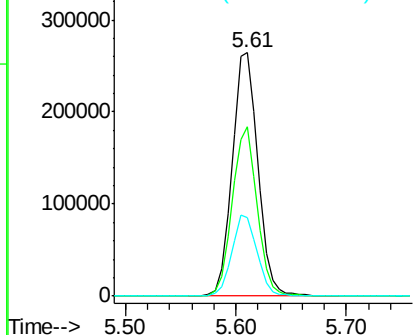
#5

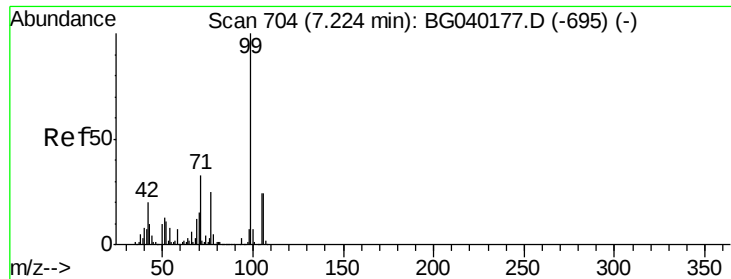
2-Fluorophenol  
Concen: 123.583 ng  
RT: 5.61 min Scan# 429  
Delta R.T. -0.01 min  
Lab File: BG040314.D  
Acq: 3 Apr 2019 2:43

Tgt Ion:112 Resp: 432031  
Ion Ratio Lower Upper  
112 100  
64 69.3 54.2 81.2  
63 32.5 26.4 39.6



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BG0  
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 115.642 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.02 min

Lab File: BG040314.D

Acq: 3 Apr 2019 2:43

Instrument :

BNA\_G

ClientSampleId :

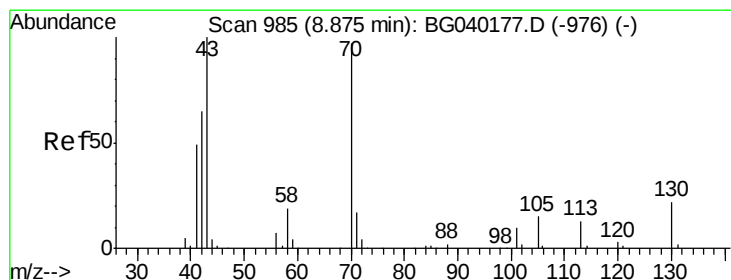
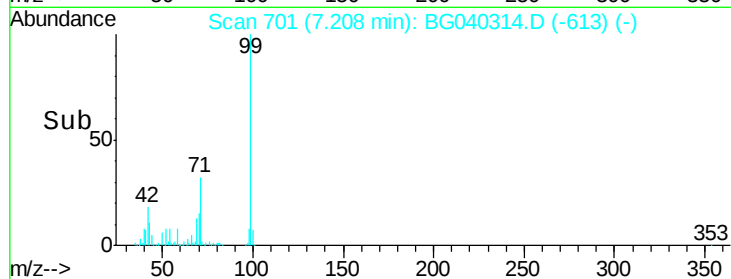
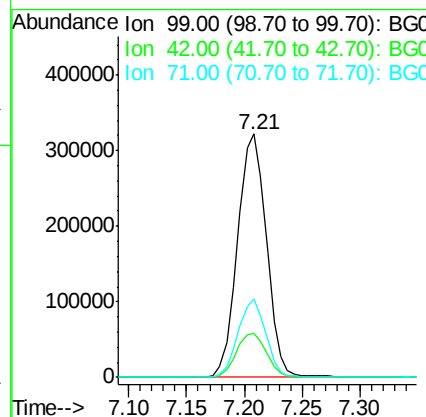
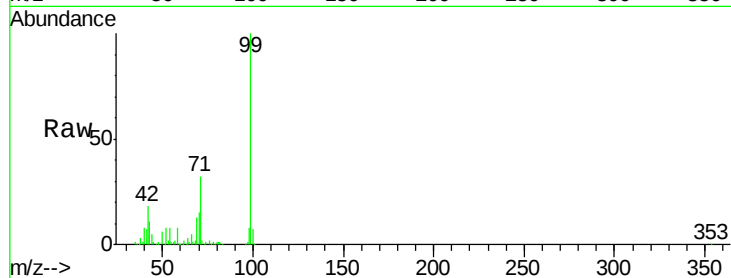
Tot Ion: 99 Resp: 558707

Ion Ratio Lower Upper

99 100

42 18.3 16.2 24.2

71 32.2 26.8 40.2



#19

n-Nitroso-di-n-propylamine

Concen: 15.334 ng

RT: 9.23 min Scan# 1045

Delta R.T. 0.35 min

Lab File: BG040314.D

Acq: 3 Apr 2019 2:43

Tgt Ion: 70 Resp: 53115

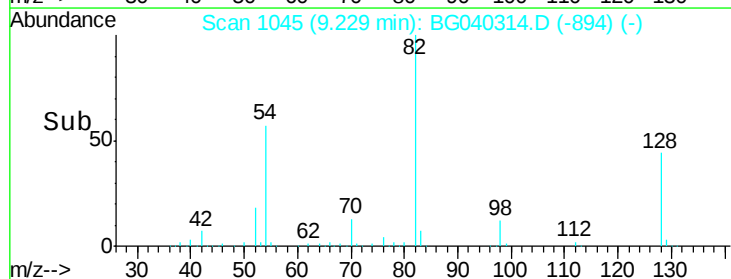
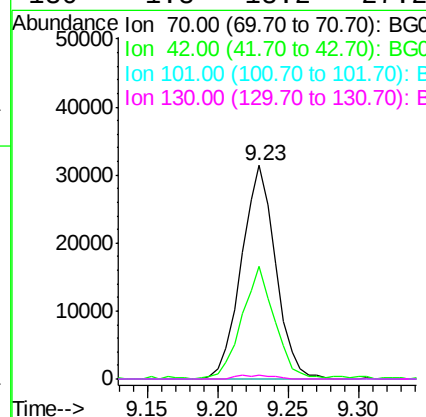
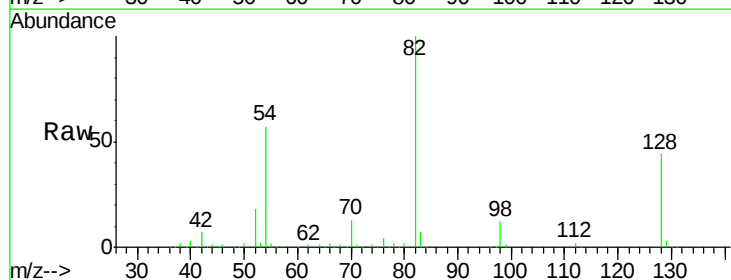
Ion Ratio Lower Upper

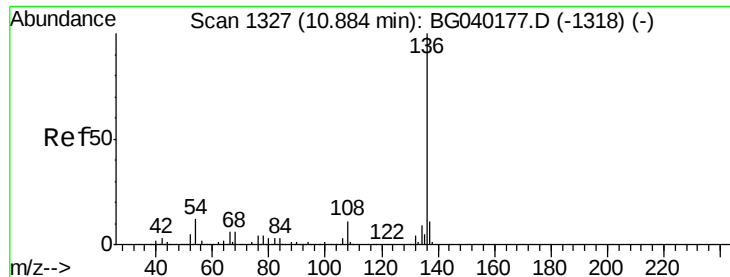
70 100

42 52.7 54.0 81.0#

101 0.0 8.6 13.0#

130 1.8 18.2 27.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.87 min Scan# 1324

Delta R.T. -0.02 min

Lab File: BG040314.D

Acq: 3 Apr 2019 2:43

Instrument :

BNA\_G

ClientSampleId :

Tot Ion:136 Resp: 249002

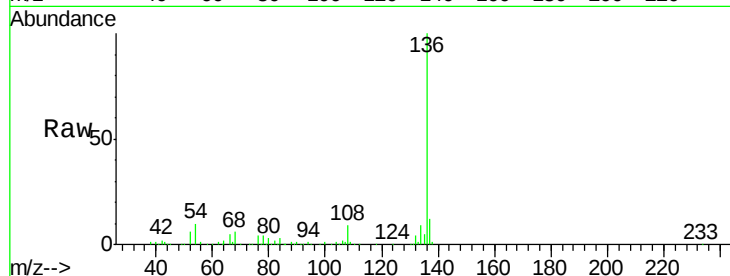
Ion Ratio Lower Upper

136 100

137 11.5 8.9 13.3

54 10.2 9.6 14.4

68 6.4 5.1 7.7

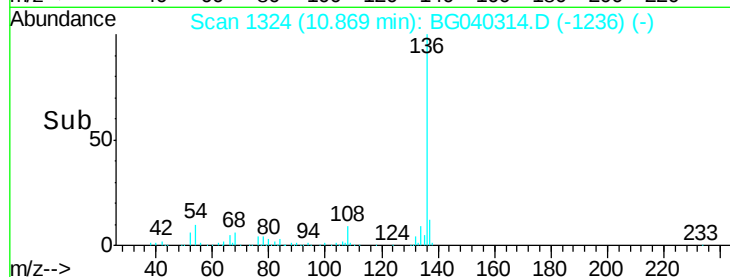


Abundance Ion 136.00 (135.70 to 136.70): E

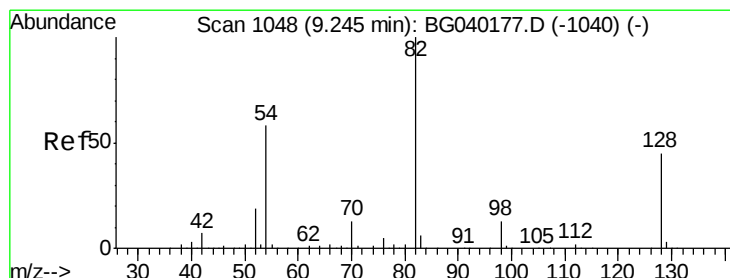
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



Time-->



#23

Nitrobenzene-d5

Concen: 88.377 ng

RT: 9.23 min Scan# 1045

Delta R.T. -0.02 min

Lab File: BG040314.D

Acq: 3 Apr 2019 2:43

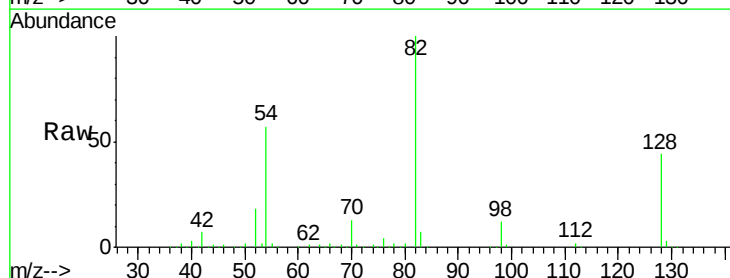
Tgt Ion: 82 Resp: 414008

Ion Ratio Lower Upper

82 100

128 43.6 35.8 53.8

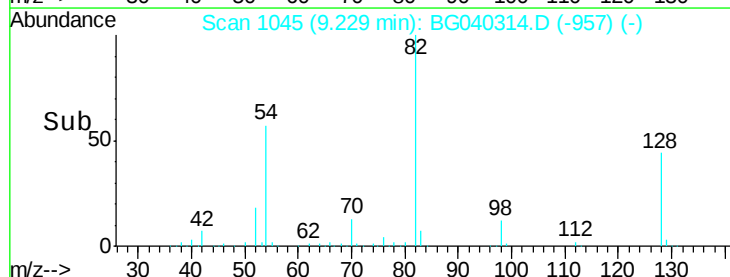
54 56.9 46.2 69.2



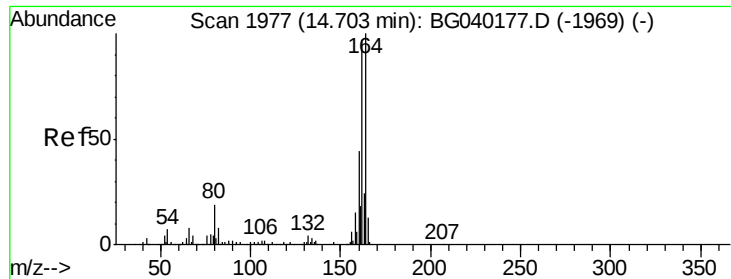
Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC



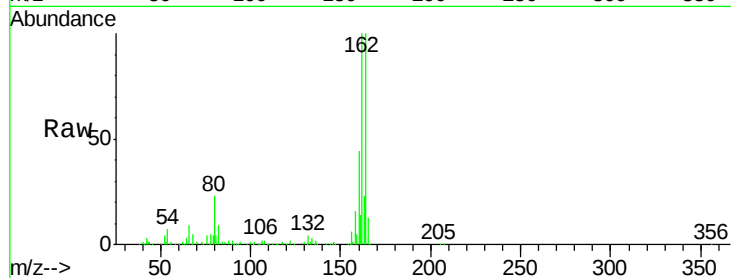
Time-->



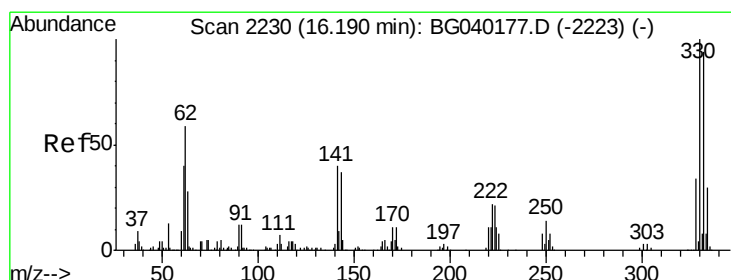
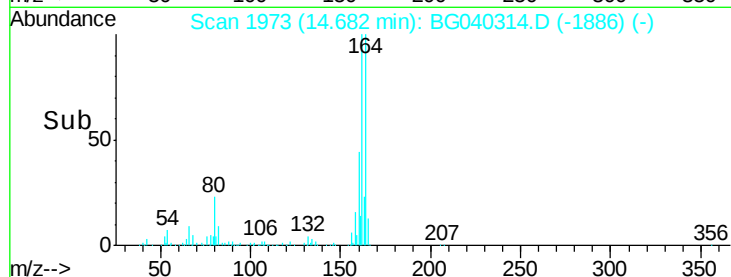
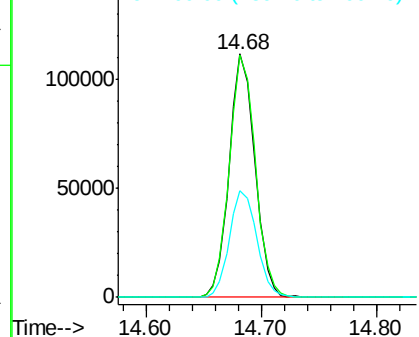
#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.68 min Scan# 1973  
 Delta R.T. -0.02 min  
 Lab File: BG040314.D  
 Acq: 3 Apr 2019 2:43

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 99.8  | 77.4  | 116.2 |
| 160     | 43.7  | 35.3  | 52.9  |

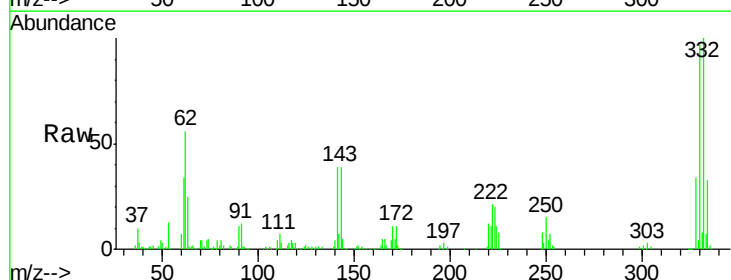


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

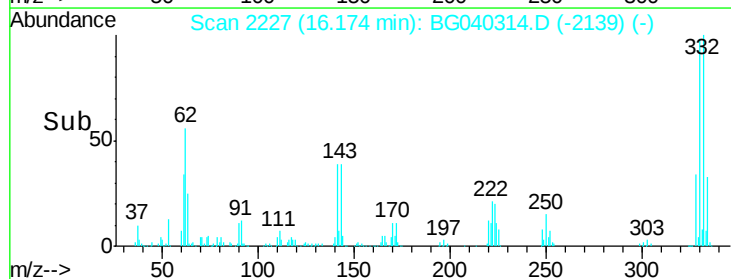
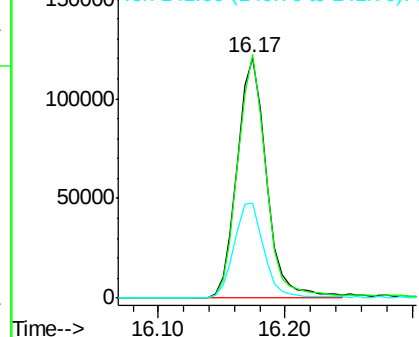


#42  
 2,4,6-Tribromophenol  
 Concen: 103.815 ng  
 RT: 16.17 min Scan# 2227  
 Delta R.T. -0.02 min  
 Lab File: BG040314.D  
 Acq: 3 Apr 2019 2:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 100.2 | 76.6  | 115.0 |
| 141     | 40.2  | 32.6  | 48.8  |



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





#45

2-Fluorobiphenyl

Concen: 82.670 ng

RT: 13.31 min Scan# 1739

Delta R.T. -0.02 min

Lab File: BG040314.D

Acq: 3 Apr 2019 2:43

Instrument :

BNA\_G

ClientSampleId :

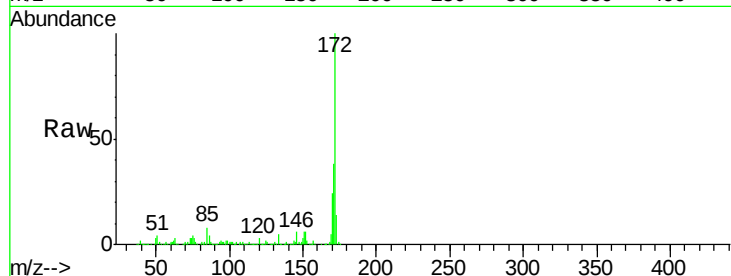
Tot Ion:172 Resp: 961638

Ion Ratio Lower Upper

172 100

171 37.7 30.5 45.7

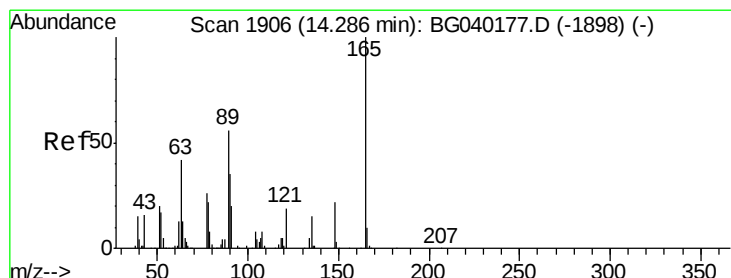
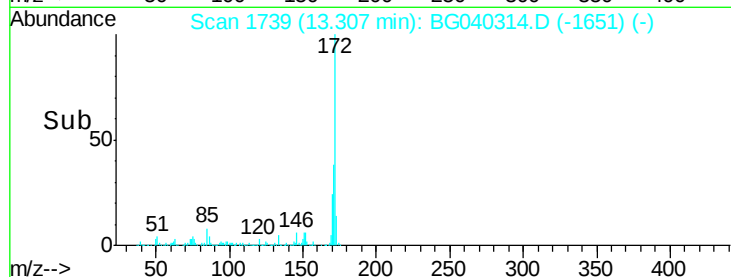
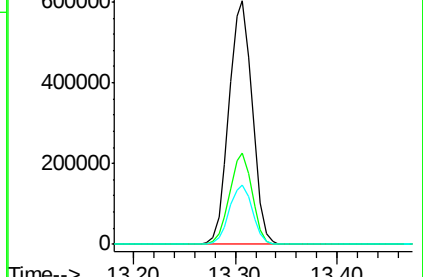
170 24.3 20.1 30.1



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



#51

2,6-Dinitrotoluene

Concen: 7.218 ng

RT: 14.68 min Scan# 1973

Delta R.T. 0.40 min

Lab File: BG040314.D

Acq: 3 Apr 2019 2:43

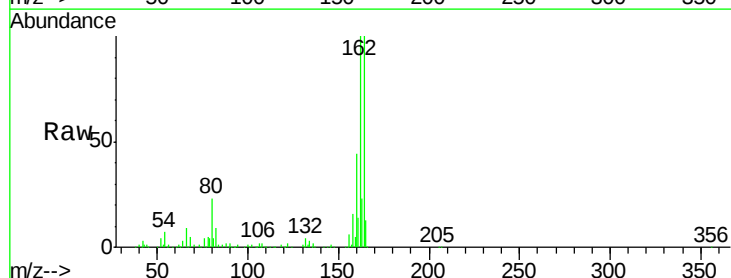
Tgt Ion:165 Resp: 21862

Ion Ratio Lower Upper

165 100

63 1.4 44.1 66.1#

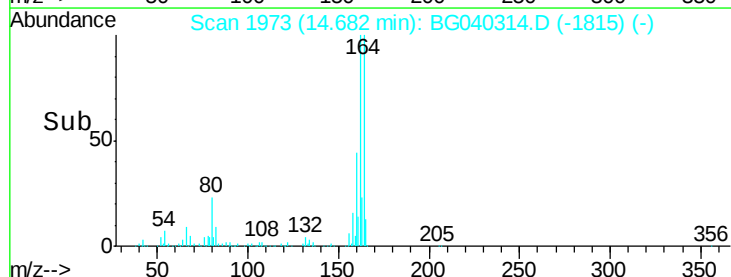
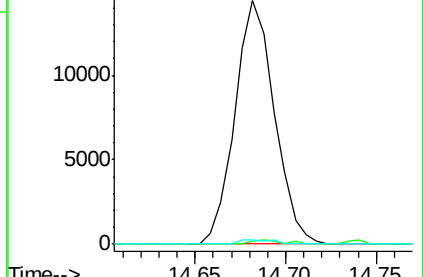
89 2.0 44.9 67.3#

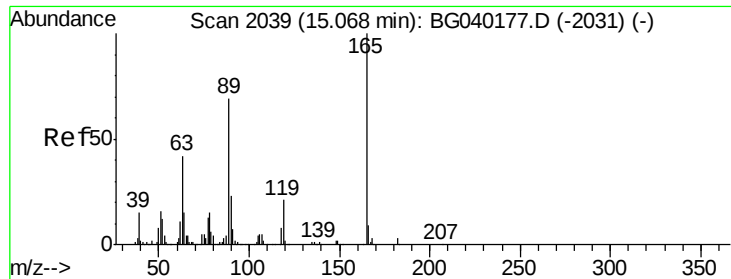


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 89.00 (88.70 to 89.70): BG0

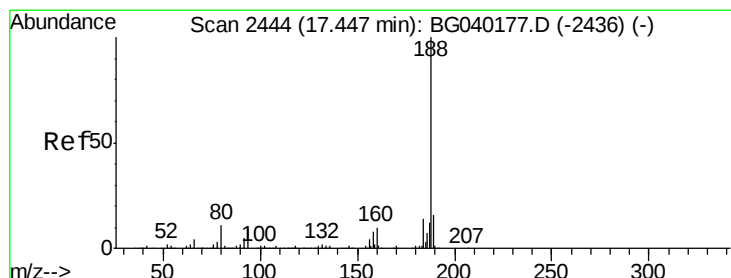
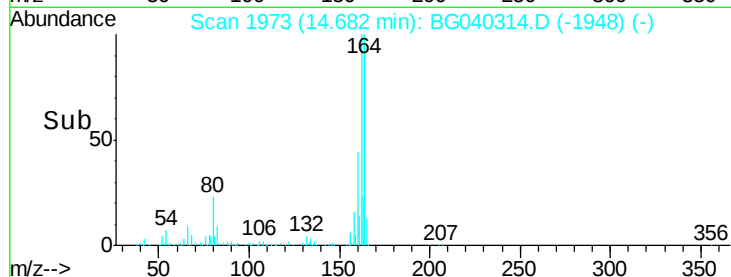
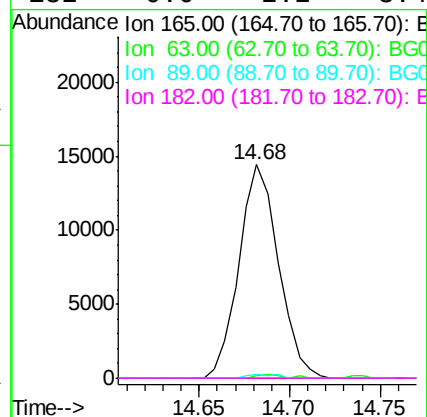
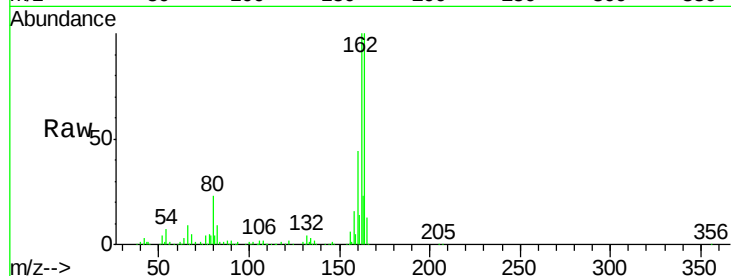




#57  
 2,4-Dinitrotoluene  
 Concen: 5.194 ng  
 RT: 14.68 min Scan# 1973  
 Delta R.T. -0.39 min  
 Lab File: BG040314.D  
 Acq: 3 Apr 2019 2:43

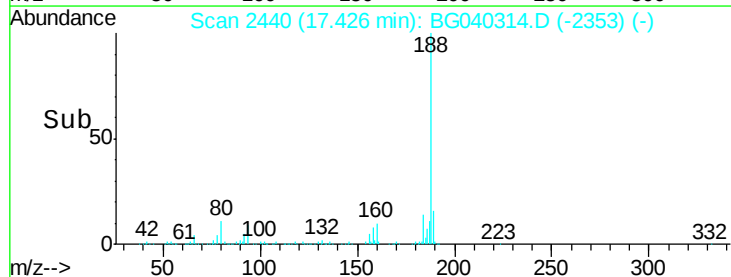
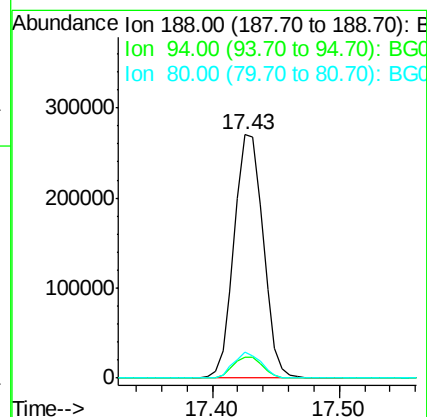
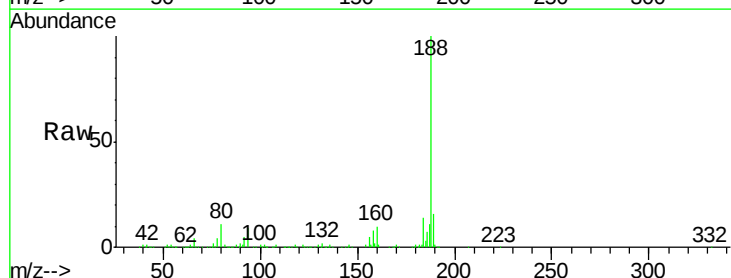
Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.4   | 33.8  | 50.6# |
| 89      | 2.0   | 55.4  | 83.2# |
| 182     | 0.0   | 2.2   | 3.4#  |



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.43 min Scan# 2440  
 Delta R.T. -0.02 min  
 Lab File: BG040314.D  
 Acq: 3 Apr 2019 2:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 8.8   | 7.0   | 10.4  |
| 80      | 10.7  | 8.6   | 13.0  |

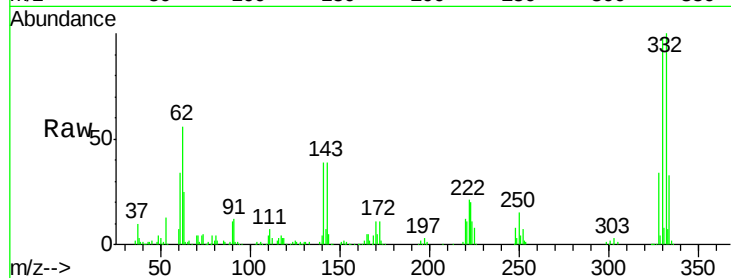




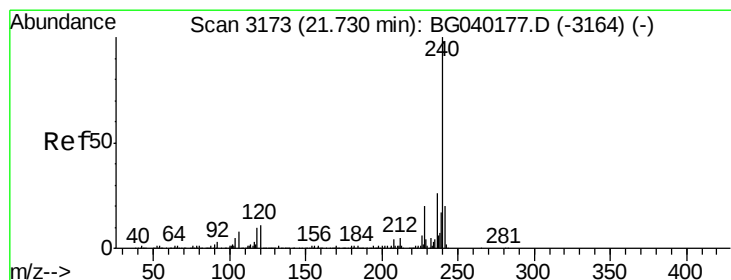
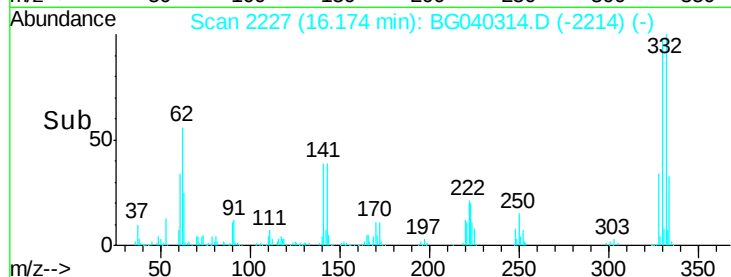
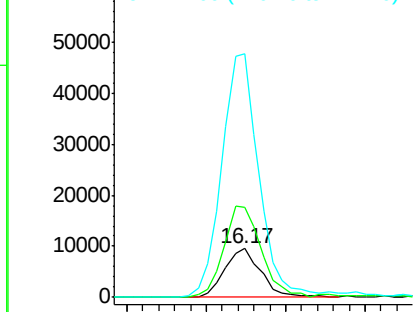
#67  
 4-Bromophenyl-phenylether  
 Concen: 3.127 ng  
 RT: 16.17 min Scan# 2227  
 Delta R.T. -0.46 min  
 Lab File: BG040314.D  
 Acq: 3 Apr 2019 2:43

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:248 Resp: 15110  
 Ion Ratio Lower Upper  
 248 100  
 250 140.6 76.4 114.6#  
 141 378.4 53.8 80.8#

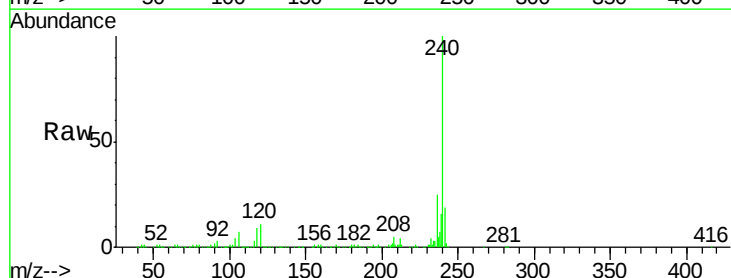


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

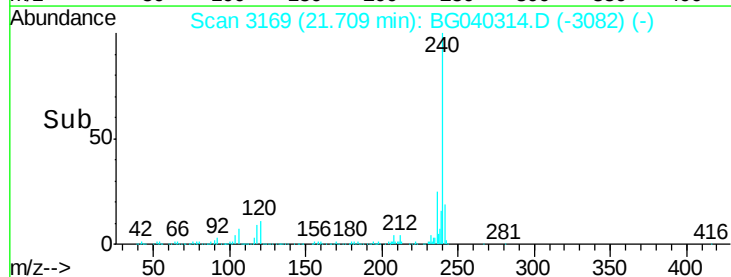
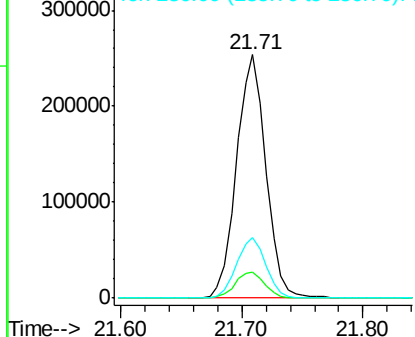


#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 21.71 min Scan# 3169  
 Delta R.T. -0.02 min  
 Lab File: BG040314.D  
 Acq: 3 Apr 2019 2:43

Tgt Ion:240 Resp: 430169  
 Ion Ratio Lower Upper  
 240 100  
 120 10.6 8.4 12.6  
 236 25.1 20.8 31.2



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: 83.478 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.02 min

Lab File: BG040314.D

Acq: 3 Apr 2019 2:43

Instrument :

BNA\_G

ClientSampled :

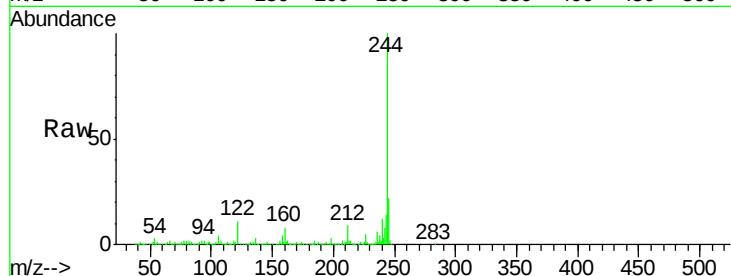
Tot Ion:244 Resp: 1596235

Ion Ratio Lower Upper

244 100

212 8.6 7.0 10.6

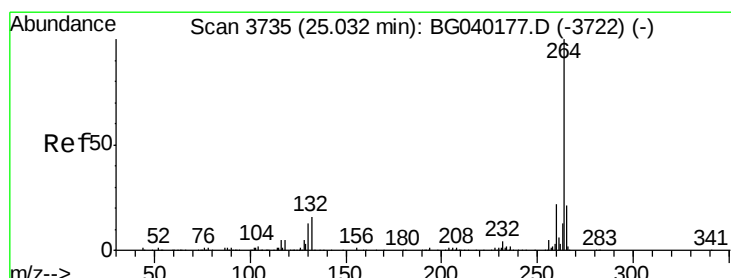
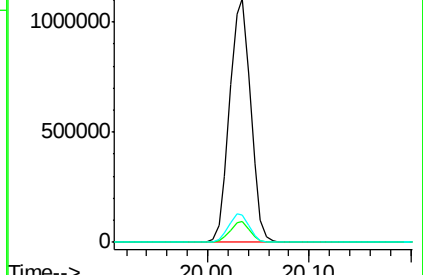
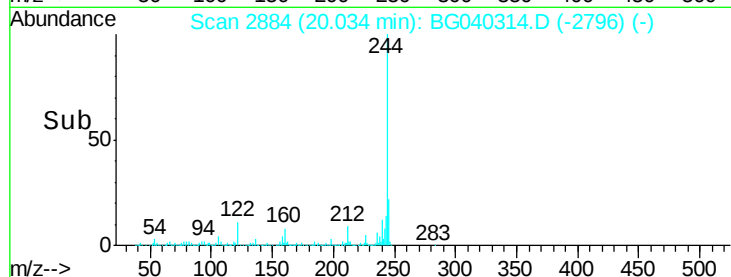
122 11.0 8.5 12.7



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. -0.02 min

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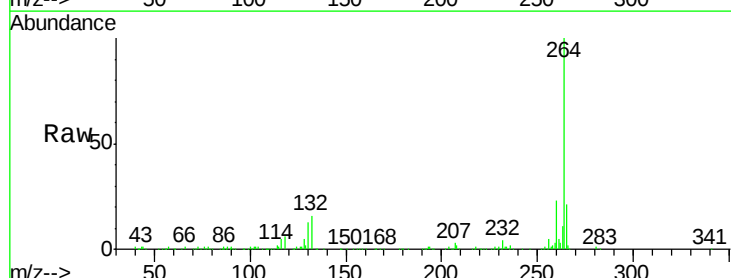
Tgt Ion:264 Resp: 429891

Ion Ratio Lower Upper

264 100

260 23.1 17.9 26.9

265 20.8 16.8 25.2



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

