

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102918\  
 Data File : BG037632.D  
 Acq On : 29 Oct 2018 21:06  
 Operator : JU/SJ  
 Sample : J5665-05  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 DL-08A

Quant Time: Oct 30 04:44:07 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG101818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 18 14:06:42 2018  
 Response via : Initial Calibration

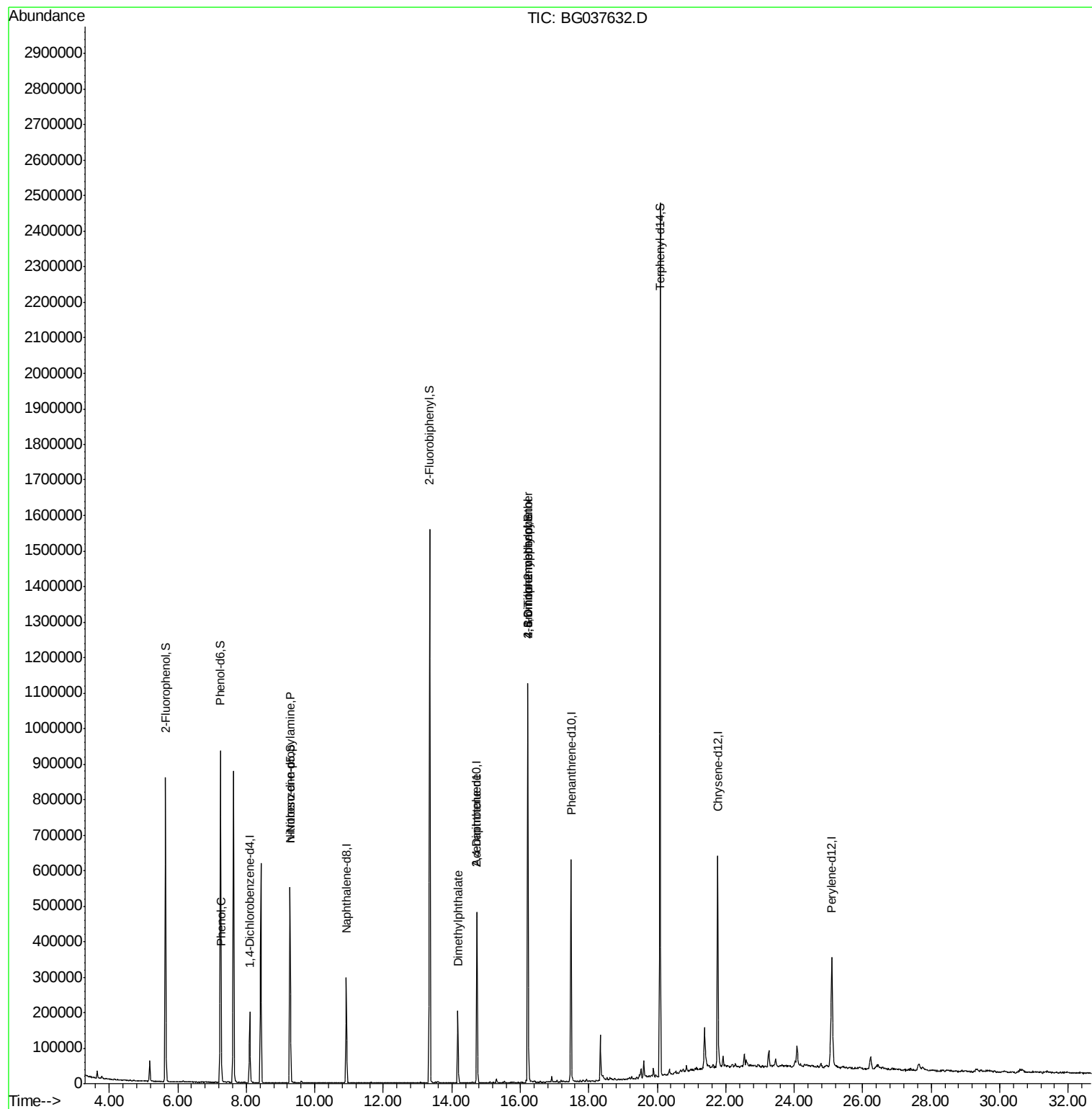
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.10  | 152  | 58570    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 10.92 | 136  | 267626   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 14.73 | 164  | 177151   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 17.48 | 188  | 410203   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 21.77 | 240  | 361084   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12               | 25.10 | 264  | 355824   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.64  | 112  | 404382   | 115.43 | ng    | 0.00     |
| 7) Phenol-d6                   | 7.25  | 99   | 605120   | 114.23 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 9.28  | 82   | 353808   | 74.06  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 16.22 | 330  | 205203   | 106.20 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 13.36 | 172  | 861353   | 73.32  | ng    | 0.00     |
| 79) Terphenyl-d14              | 20.08 | 244  | 1162600  | 68.80  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 7.27  | 94   | 42347    | 7.576  | ng    | 91       |
| 19) n-Nitroso-di-n-propylamine | 9.28  | 70   | 44969    | 12.327 | ng    | # 70     |
| 50) Dimethylphthalate          | 14.18 | 163  | 150248   | 10.963 | ng    | 97       |
| 57) 2,4-Dinitrotoluene         | 14.73 | 165  | 23998    | 6.030  | ng    | # 24     |
| 65) 4,6-Dinitro-2-methylphenol | 16.22 | 198  | 634      | 8.750  | ng    | 84       |
| 67) 4-Bromophenyl-phenylether  | 16.22 | 248  | 14635    | 3.249  | ng    | # 1      |

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

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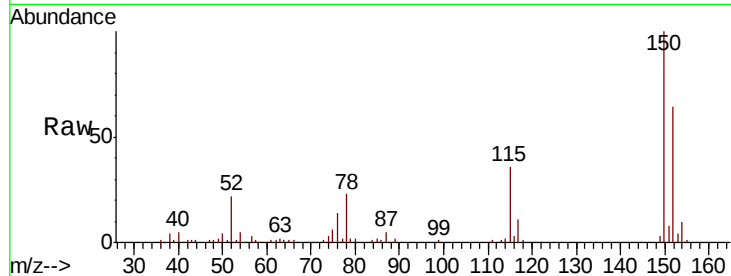




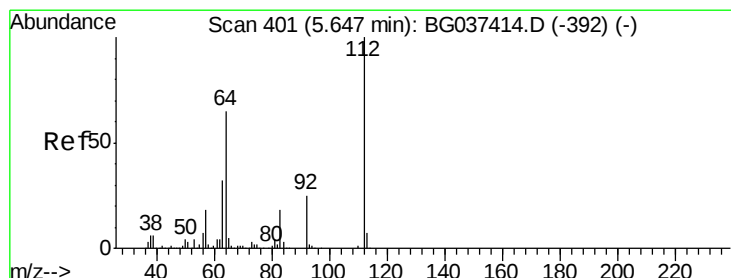
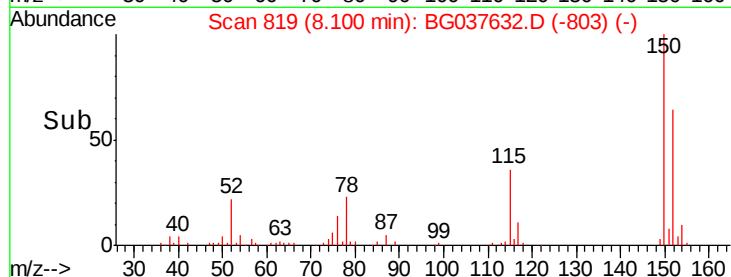
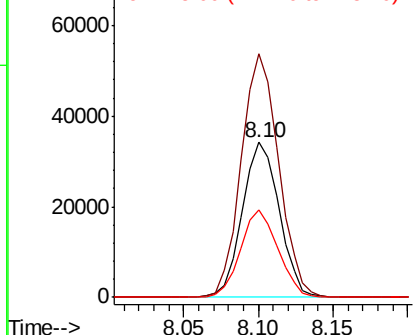
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.10 min Scan# 819  
 Delta R.T. -0.01 min  
 Lab File: BG037632.D  
 Acq: 29 Oct 2018 21:06

Instrument :  
 BNA\_G  
 ClientSampleId :  
 DL-08A

Tot Ion:152 Resp: 58570  
 Ion Ratio Lower Upper  
 152 100  
 150 157.3 126.0 189.0  
 115 56.2 45.5 68.3

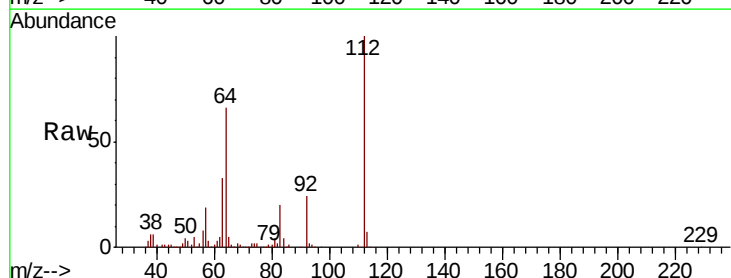


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

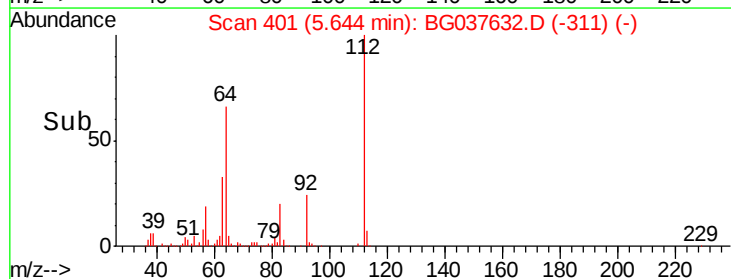
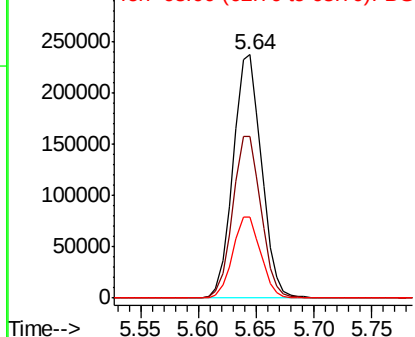


#5  
 2-Fluorophenol  
 Concen: 115.429 ng  
 RT: 5.64 min Scan# 401  
 Delta R.T. -0.00 min  
 Lab File: BG037632.D  
 Acq: 29 Oct 2018 21:06

Tgt Ion:112 Resp: 404382  
 Ion Ratio Lower Upper  
 112 100  
 64 66.3 53.1 79.7  
 63 33.1 27.3 40.9



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





#7

Phenol-d6

Concen: 114.229 ng

RT: 7.25 min Scan# 674

Delta R.T. -0.00 min

Lab File: BG037632.D

Acq: 29 Oct 2018 21:06

Instrument :

BNA\_G

ClientSampleId :

DL-08A

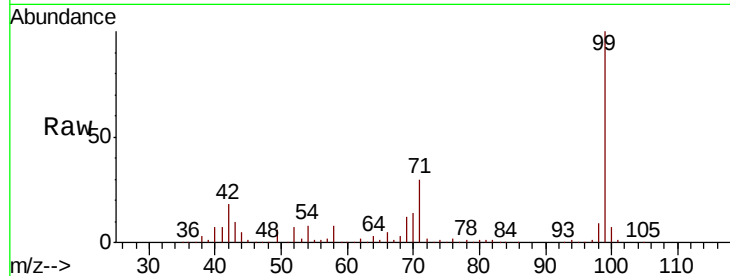
Tot Ion: 99 Resp: 605120

Ion Ratio Lower Upper

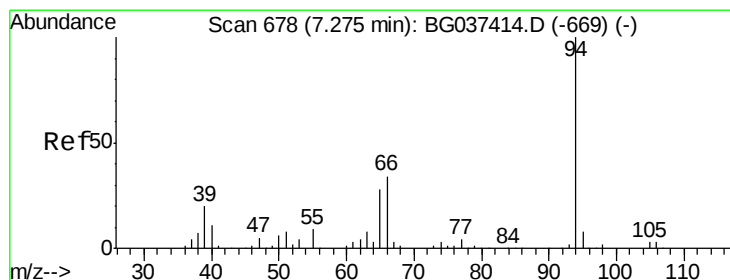
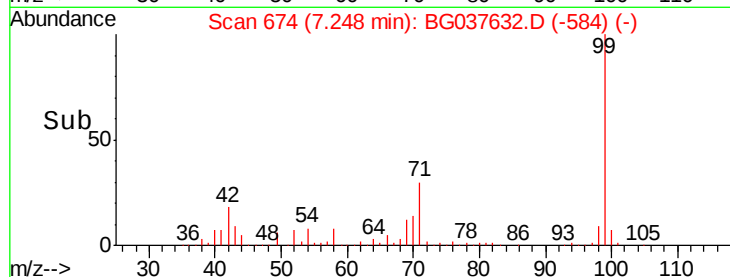
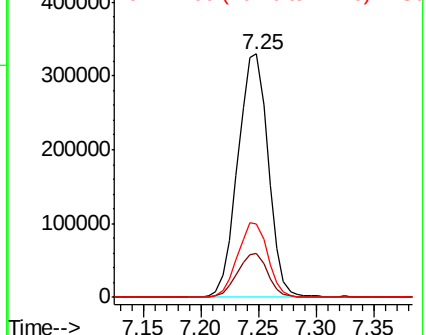
99 100

42 18.1 15.0 22.4

71 30.2 25.5 38.3



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: 7.576 ng

RT: 7.27 min Scan# 678

Delta R.T. -0.00 min

Lab File: BG037632.D

Acq: 29 Oct 2018 21:06

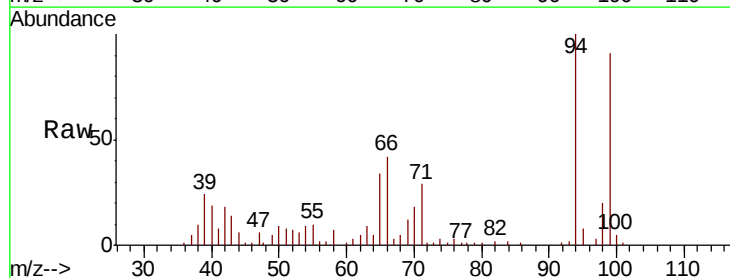
Tgt Ion: 94 Resp: 42347

Ion Ratio Lower Upper

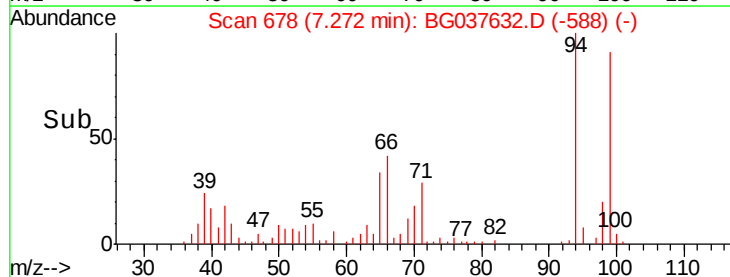
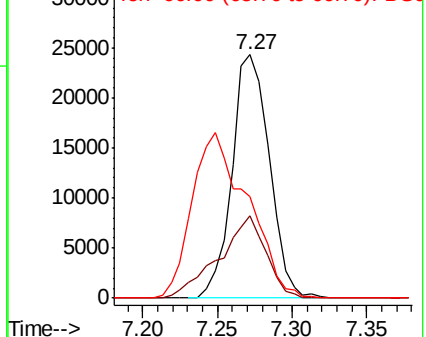
94 100

65 34.1 9.7 49.7

66 41.6 15.9 55.9



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

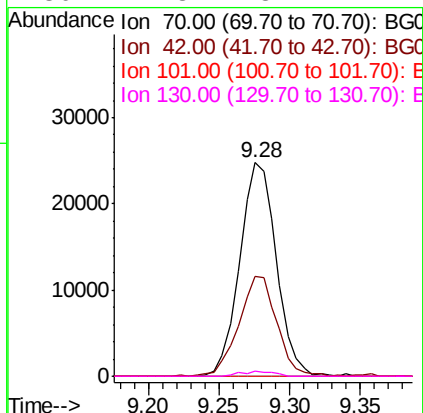
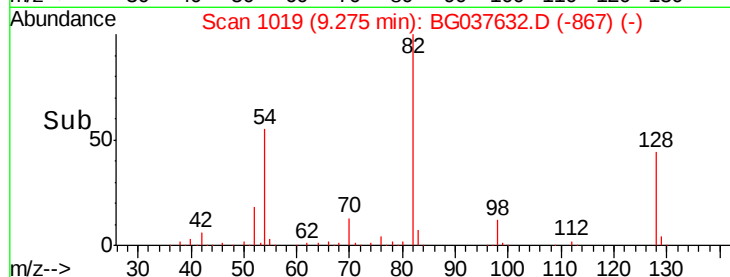
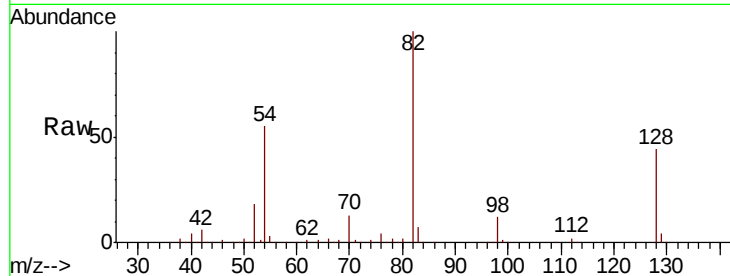




#19  
n-Nitroso-di-n-propylamine  
Concen: 12.327 ng  
RT: 9.28 min Scan# 1019  
Delta R.T. 0.36 min  
Lab File: BG037632.D  
Acq: 29 Oct 2018 21:06

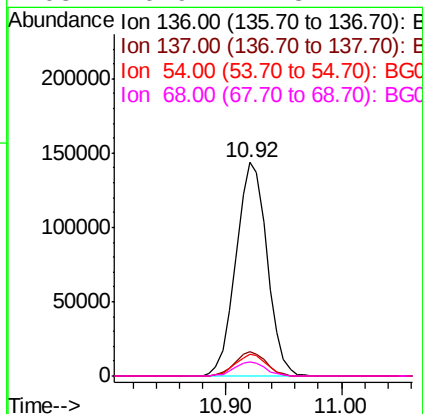
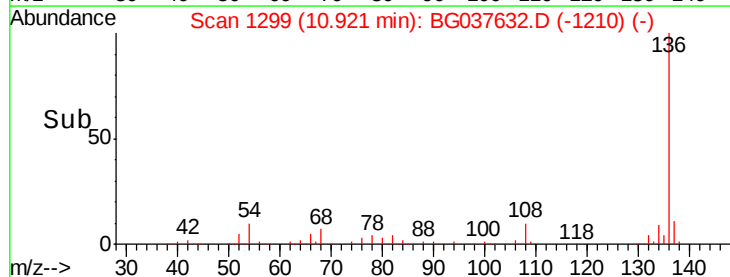
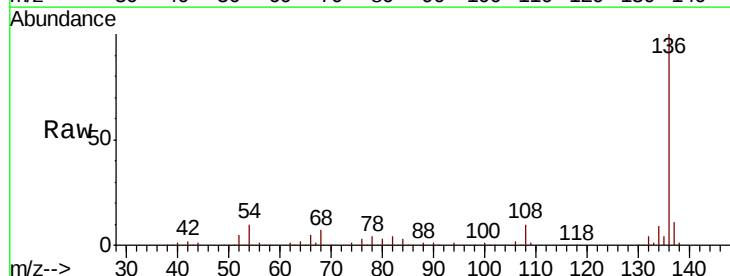
Instrument :  
BNA\_G  
ClientSampleId :  
DL-08A

Tot Ion: 70 Resp: 44969  
Ion Ratio Lower Upper  
70 100  
42 46.6 53.9 80.9#  
101 0.0 8.2 12.2#  
130 2.3 18.2 27.4#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.92 min Scan# 1299  
Delta R.T. -0.01 min  
Lab File: BG037632.D  
Acq: 29 Oct 2018 21:06

Tgt Ion: 136 Resp: 267626  
Ion Ratio Lower Upper  
136 100  
137 11.4 9.6 14.4  
54 10.5 7.9 11.9  
68 6.9 4.8 7.2

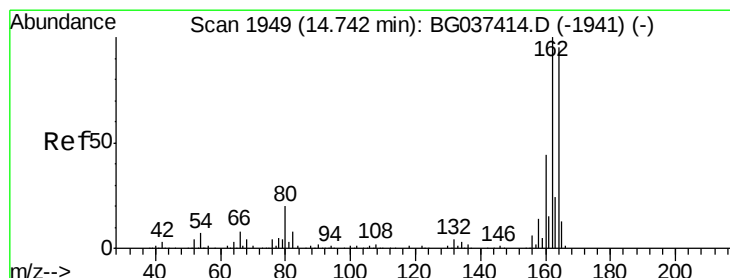
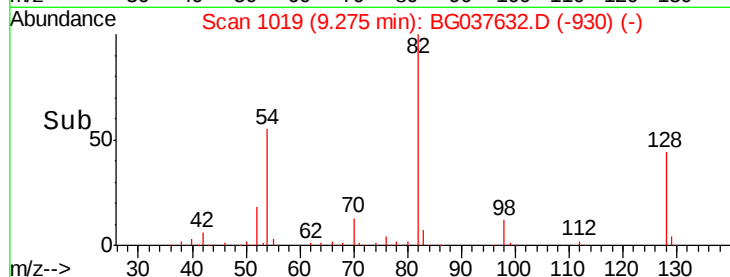
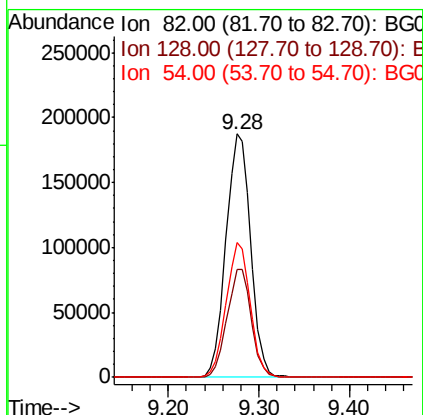
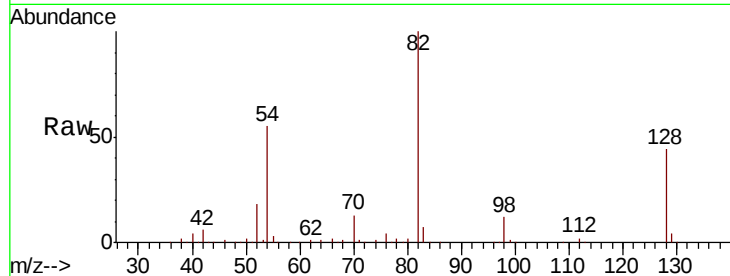




#23  
Nitrobenzene-d5  
Concen: 74.058 ng  
RT: 9.28 min Scan# 1019  
Delta R.T. -0.01 min  
Lab File: BG037632.D  
Acq: 29 Oct 2018 21:06

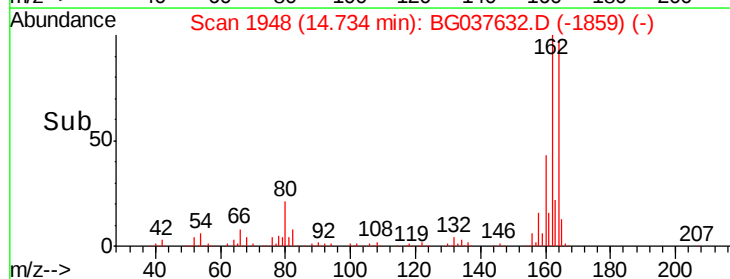
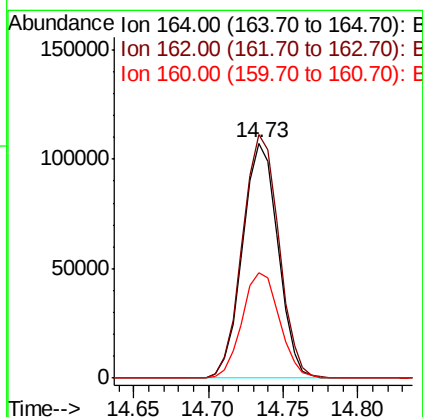
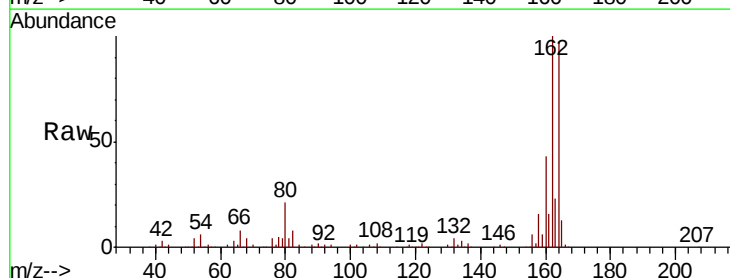
Instrument :  
BNA\_G  
ClientSampleId :  
DL-08A

| Tot Ion   | 82    | Resp  | 353808 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 44.4  | 34.6  | 51.8   |
| 54        | 55.2  | 45.3  | 67.9   |



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.73 min Scan# 1948  
Delta R.T. -0.01 min  
Lab File: BG037632.D  
Acq: 29 Oct 2018 21:06

| Tgt Ion   | 164   | Resp  | 177151 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 103.5 | 81.3  | 121.9  |
| 160       | 45.0  | 36.3  | 54.5   |

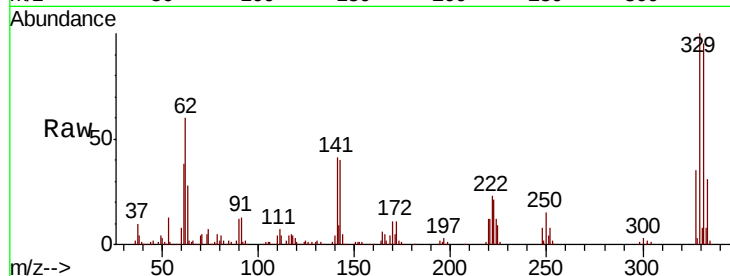




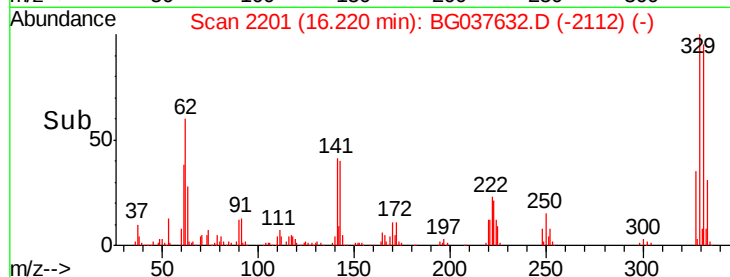
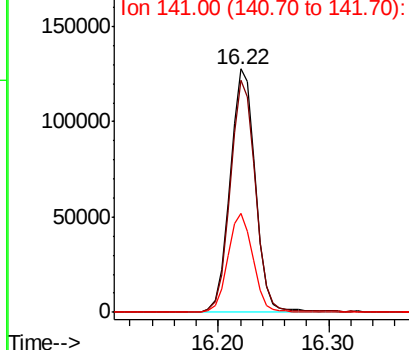
#42  
 2,4,6-Tribromophenol  
 Concen: 106.204 ng  
 RT: 16.22 min Scan# 2201  
 Delta R.T. -0.01 min  
 Lab File: BG037632.D  
 Acq: 29 Oct 2018 21:06

Instrument :  
 BNA\_G  
 ClientSampleId :  
 DL-08A

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.8  | 78.4  | 117.6 |
| 141     | 40.2  | 32.2  | 48.2  |

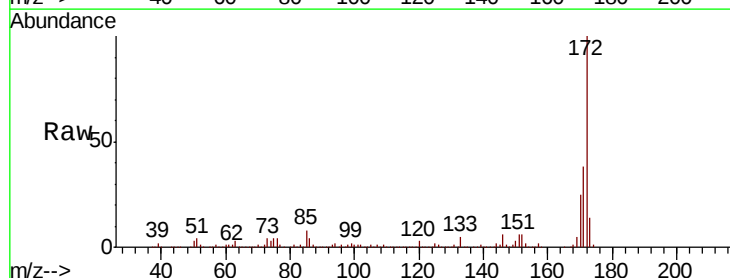


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

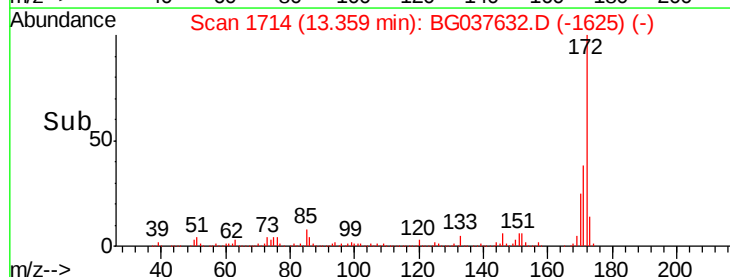
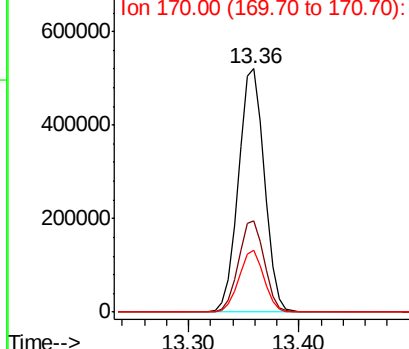


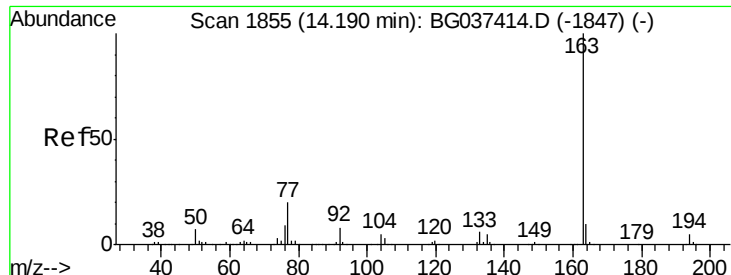
#45  
 2-Fluorobiphenyl  
 Concen: 73.320 ng  
 RT: 13.36 min Scan# 1714  
 Delta R.T. -0.01 min  
 Lab File: BG037632.D  
 Acq: 29 Oct 2018 21:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.6  | 31.0  | 46.4  |
| 170     | 25.2  | 20.2  | 30.2  |



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: 10.963 ng

RT: 14.18 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BG037632.D

Acq: 29 Oct 2018 21:06

Instrument :

BNA\_G

ClientSampled :

DL-08A

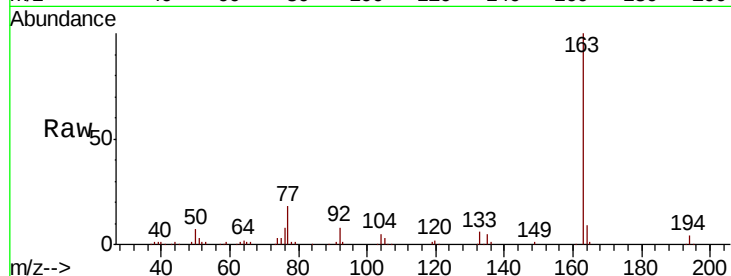
Tot Ion:163 Resp: 150248

Ion Ratio Lower Upper

163 100

194 3.8 3.5 5.3

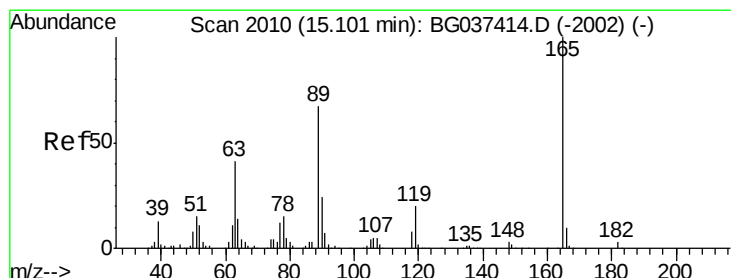
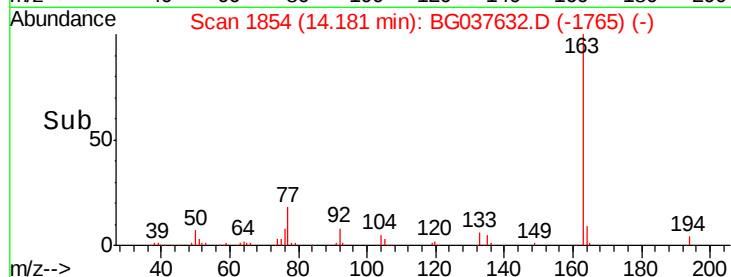
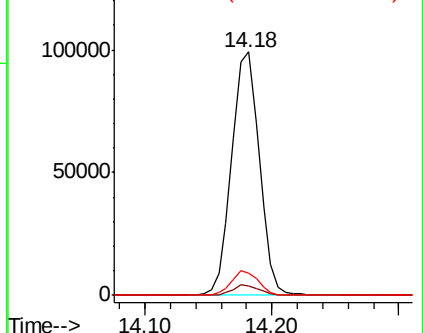
164 9.3 8.5 12.7



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



#57

2,4-Dinitrotoluene

Concen: 6.030 ng

RT: 14.73 min Scan# 1948

Delta R.T. -0.37 min

Lab File: BG037632.D

Acq: 29 Oct 2018 21:06

Tgt Ion:165 Resp: 23998

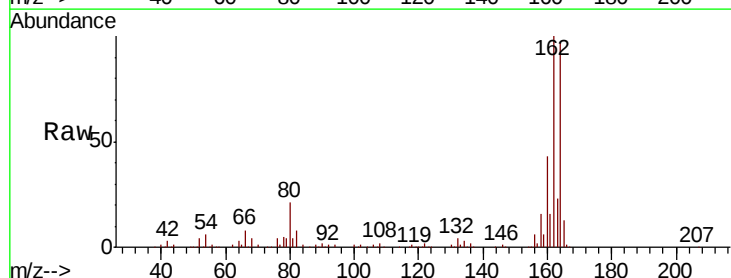
Ion Ratio Lower Upper

165 100

63 0.0 33.4 50.0#

89 1.5 57.2 85.8#

182 0.0 2.6 4.0#

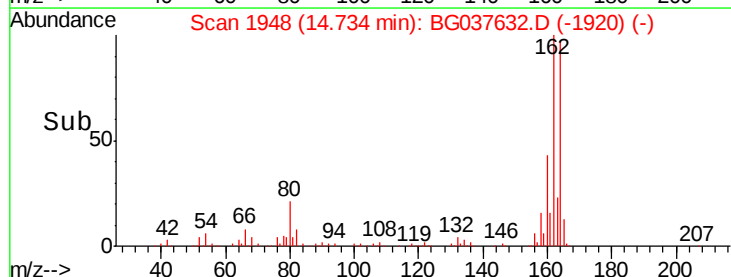
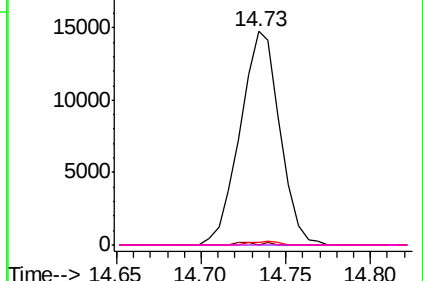


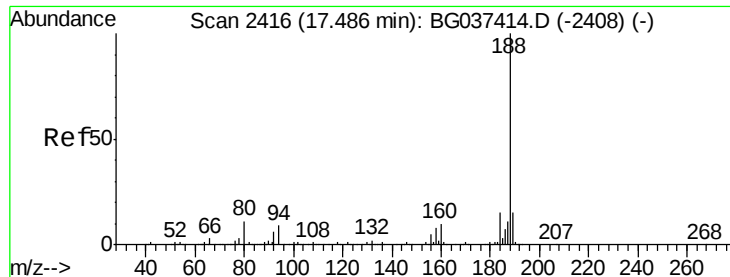
Abundance Ion 165.00 (164.70 to 165.70): E

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

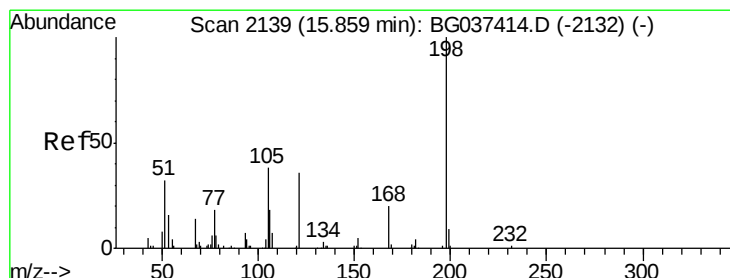
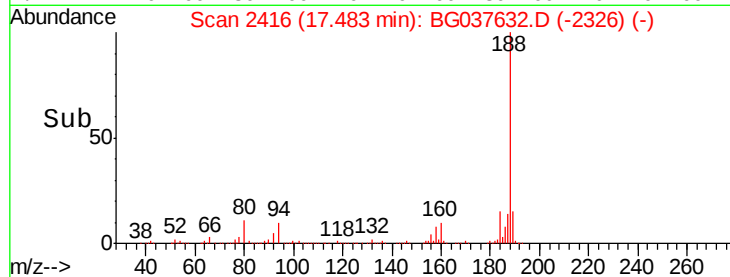
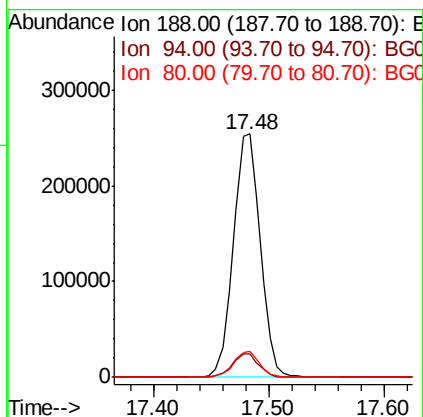
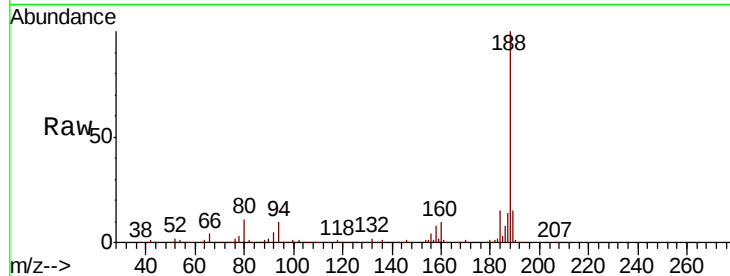




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.48 min Scan# 2416  
Delta R.T. -0.00 min  
Lab File: BG037632.D  
Acq: 29 Oct 2018 21:06

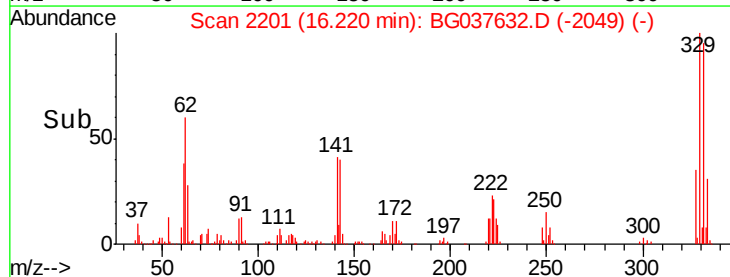
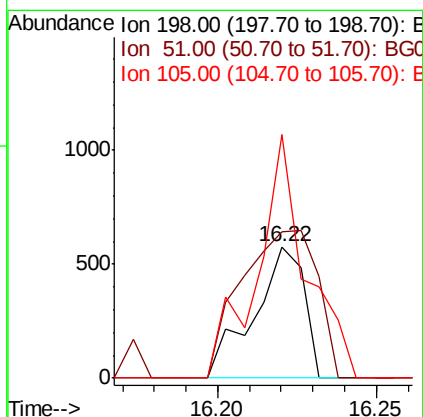
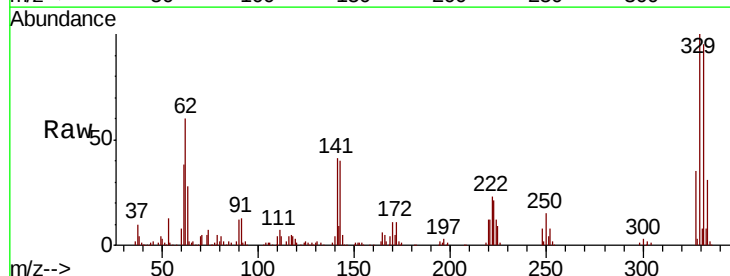
Instrument :  
BNA\_G  
ClientSampleId :  
DL-08A

Tot Ion:188 Resp: 410203  
Ion Ratio Lower Upper  
188 100  
94 9.6 7.2 10.8  
80 10.6 7.7 11.5



#65  
4,6-Dinitro-2-methylphenol  
Concen: 8.750 ng  
RT: 16.22 min Scan# 2201  
Delta R.T. 0.36 min  
Lab File: BG037632.D  
Acq: 29 Oct 2018 21:06

Tgt Ion:198 Resp: 634  
Ion Ratio Lower Upper  
198 100  
51 26.1 22.7 62.7  
105 43.3 19.7 59.7

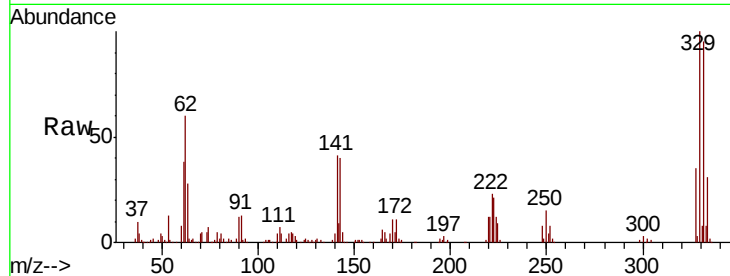




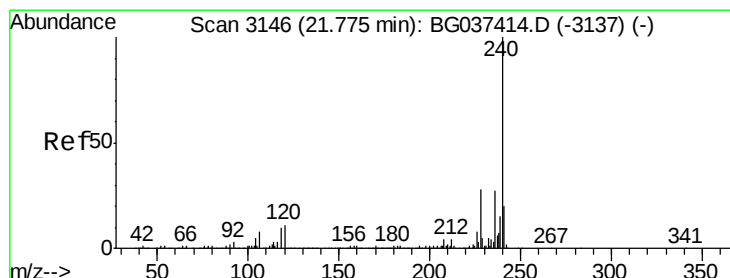
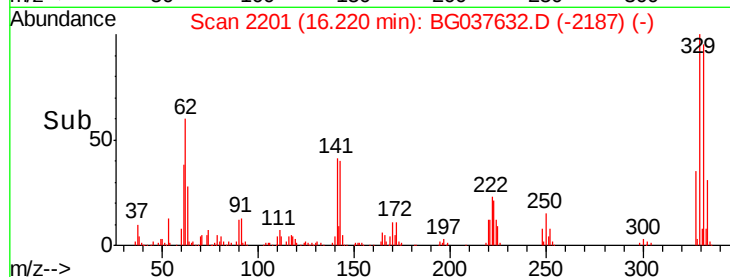
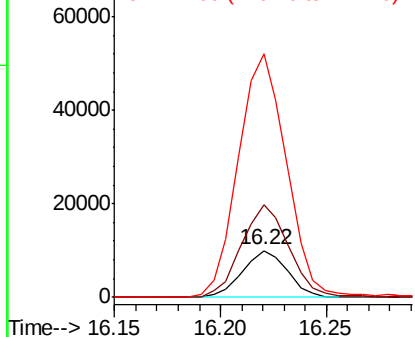
#67  
 4-Bromophenyl-phenylether  
 Concen: 3.249 ng  
 RT: 16.22 min Scan# 2201  
 Delta R.T. -0.45 min  
 Lab File: BG037632.D  
 Acq: 29 Oct 2018 21:06

Instrument :  
 BNA\_G  
 ClientSampleId :  
 DL-08A

Tot Ion:248 Resp: 14635  
 Ion Ratio Lower Upper  
 248 100  
 250 196.5 77.0 115.6#  
 141 407.6 55.5 83.3#

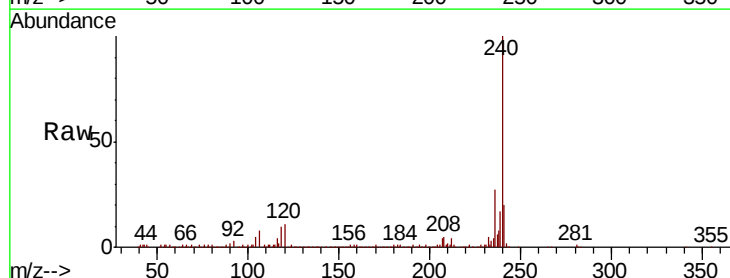


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

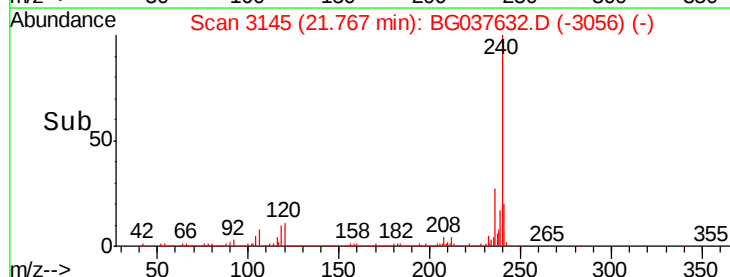
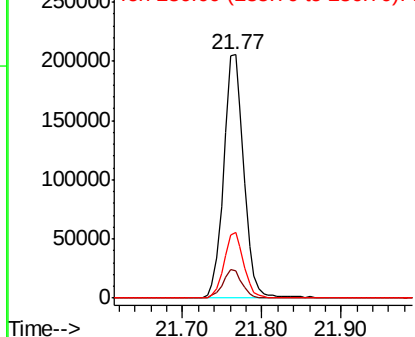


#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 21.77 min Scan# 3145  
 Delta R.T. -0.01 min  
 Lab File: BG037632.D  
 Acq: 29 Oct 2018 21:06

Tgt Ion:240 Resp: 361084  
 Ion Ratio Lower Upper  
 240 100  
 120 11.0 8.1 12.1  
 236 26.9 21.4 32.0



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: 68.799 ng

RT: 20.08 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BG037632.D

Acq: 29 Oct 2018 21:06

Instrument :

BNA\_G

ClientSampled :

DL-08A

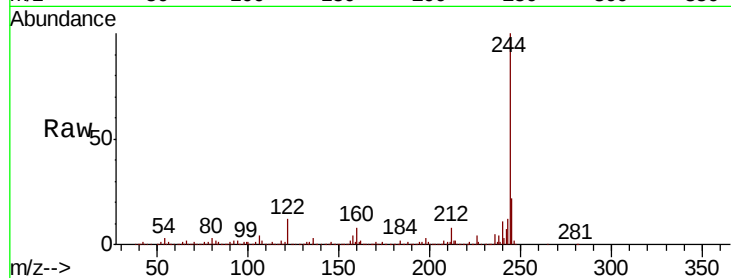
Tot Ion:244 Resp: 1162600

Ion Ratio Lower Upper

244 100

212 8.2 6.5 9.7

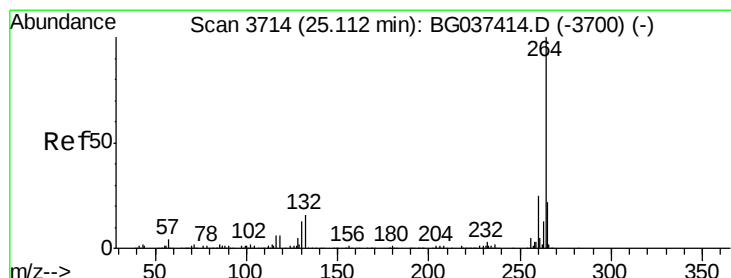
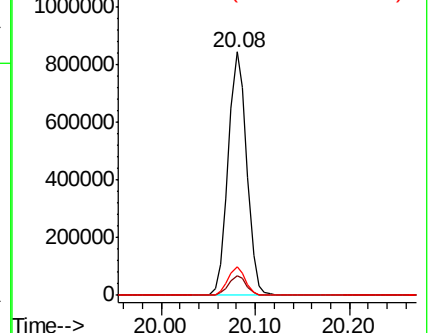
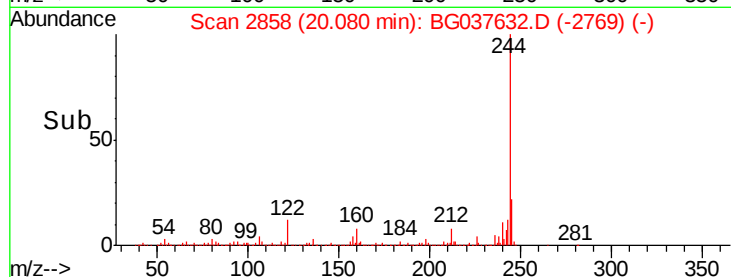
122 12.0 9.0 13.4



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: 25.10 min Scan# 3712

Delta R.T. -0.01 min

Lab File: BG037632.D

Acq: 29 Oct 2018 21:06

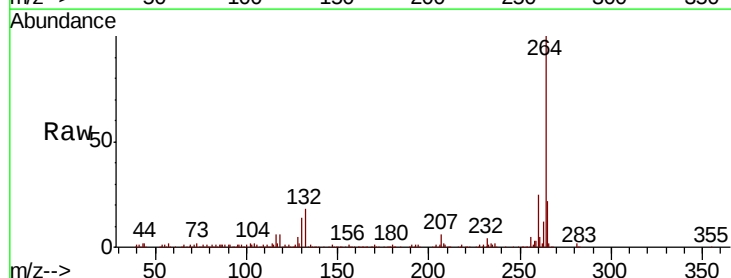
Tgt Ion:264 Resp: 355824

Ion Ratio Lower Upper

264 100

260 24.6 18.2 27.4

265 21.7 17.9 26.9



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

