

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG111918\  
 Data File : BG038065.D  
 Acq On : 19 Nov 2018 16:47  
 Operator : JU/SJ  
 Sample : J5964-03  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 LR-RBR-200036

Quant Time: Nov 20 00:43:02 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG111318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 13 16:39:28 2018  
 Response via : Initial Calibration

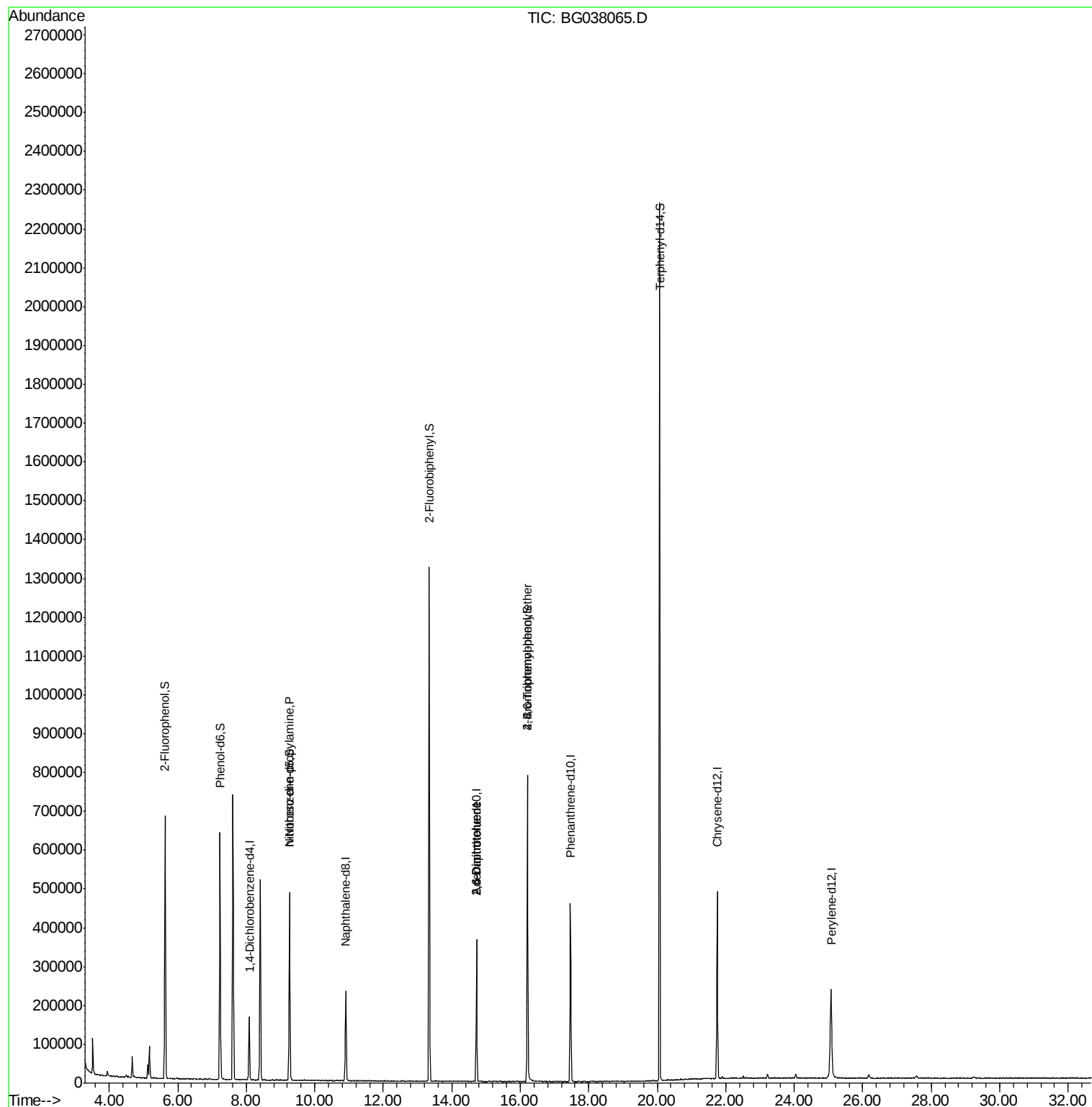
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.09  | 152  | 48630    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 10.91 | 136  | 205637   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 14.72 | 164  | 128280   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 17.47 | 188  | 296300   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 21.75 | 240  | 287996   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12               | 25.07 | 264  | 287760   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.63  | 112  | 308973   | 109.70 | ng    | 0.00     |
| 7) Phenol-d6                   | 7.23  | 99   | 394407   | 98.10  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 9.26  | 82   | 302951   | 78.86  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 16.21 | 330  | 149408   | 102.12 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 13.34 | 172  | 682121   | 77.47  | ng    | 0.00     |
| 79) Terphenyl-d14              | 20.07 | 244  | 1056889  | 86.35  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 9.26  | 70   | 38084    | 13.091 | ng    | # 77     |
| 51) 2,6-Dinitrotoluene         | 14.72 | 165  | 16613    | 7.218  | ng    | # 26     |
| 57) 2,4-Dinitrotoluene         | 14.72 | 165  | 16613    | 5.305  | ng    | # 26     |
| 67) 4-Bromophenyl-phenylether  | 16.21 | 248  | 10794    | 3.319  | ng    | # 1      |

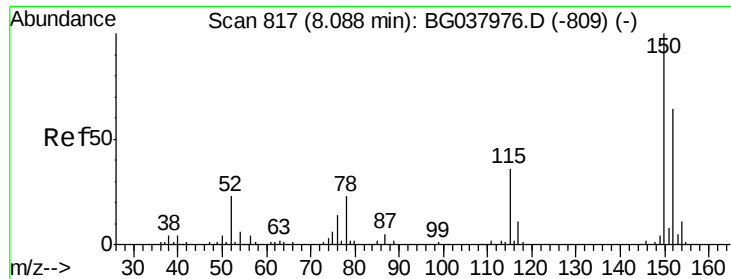
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG111918\  
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Sample : J5964-03  
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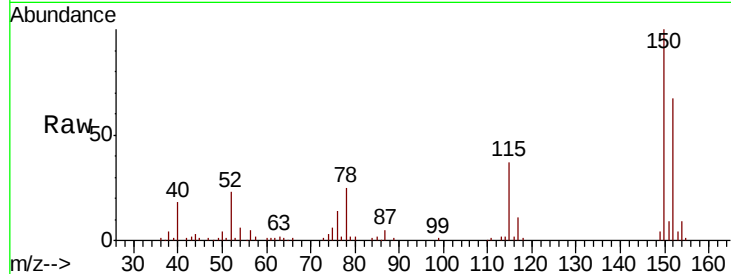


#1

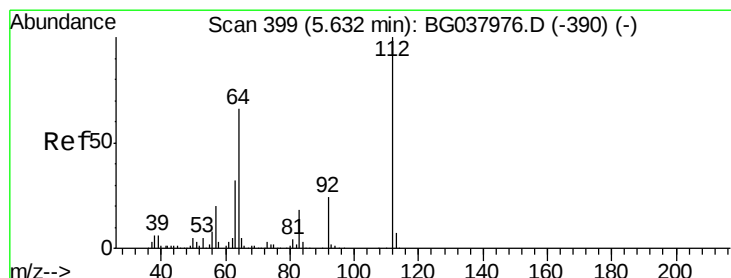
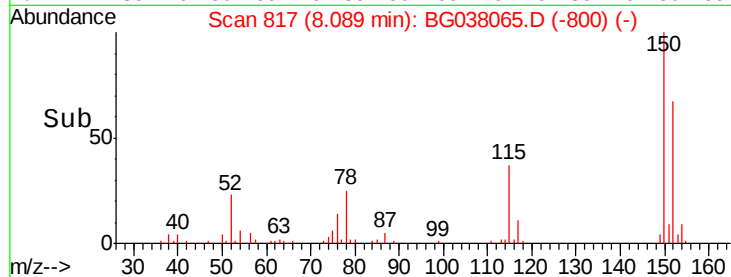
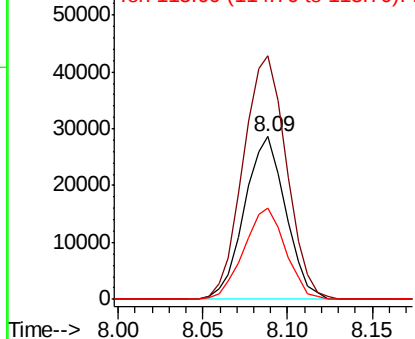
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.09 min Scan# 817  
 Delta R.T. 0.00 min  
 Lab File: BG038065.D  
 Acq: 19 Nov 2018 16:47

Instrument :  
 BNA\_G  
 ClientSampleId :  
 LR-RBR-200036

Tgt Ion:152 Resp: 48630  
 Ion Ratio Lower Upper  
 152 100  
 150 149.5 126.0 189.0  
 115 55.7 45.5 68.3



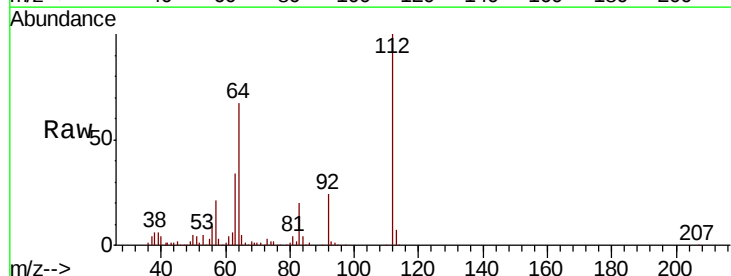
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



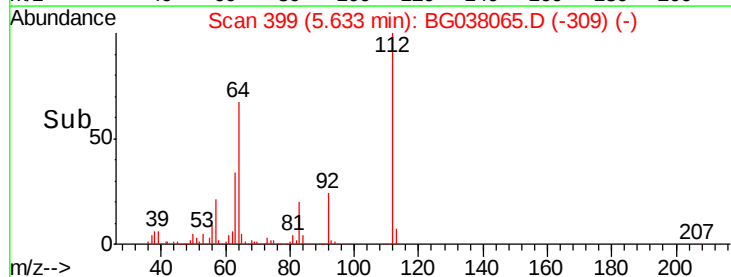
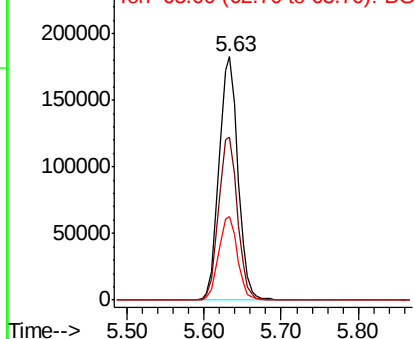
#5

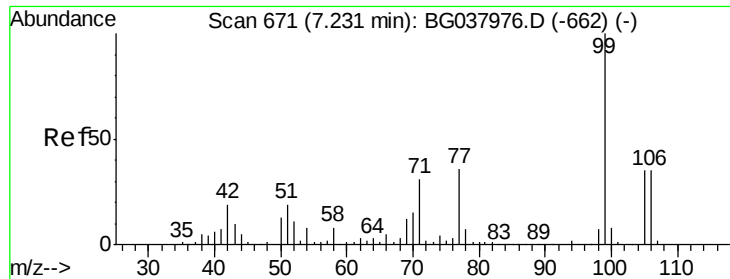
2-Fluorophenol  
 Concen: 109.698 ng  
 RT: 5.63 min Scan# 399  
 Delta R.T. 0.00 min  
 Lab File: BG038065.D  
 Acq: 19 Nov 2018 16:47

Tgt Ion:112 Resp: 308973  
 Ion Ratio Lower Upper  
 112 100  
 64 66.7 53.1 79.7  
 63 34.2 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: 98.099 ng

RT: 7.23 min Scan# 671

Delta R.T. 0.00 min

Lab File: BG038065.D

Acq: 19 Nov 2018 16:47

Instrument :

BNA\_G

ClientSampleId :

LR-RBR-200036

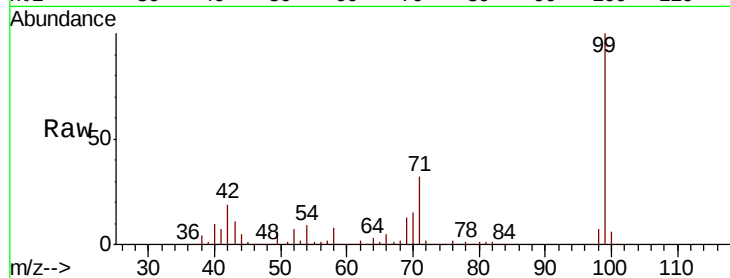
Tgt Ion: 99 Resp: 394407

Ion Ratio Lower Upper

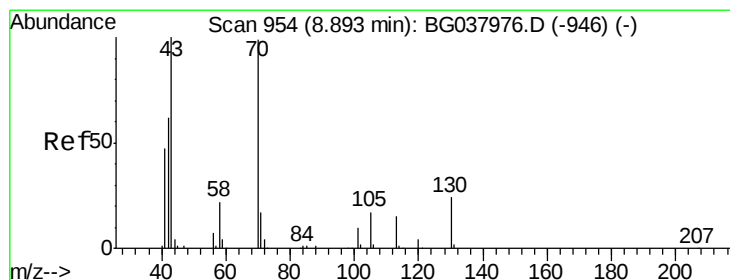
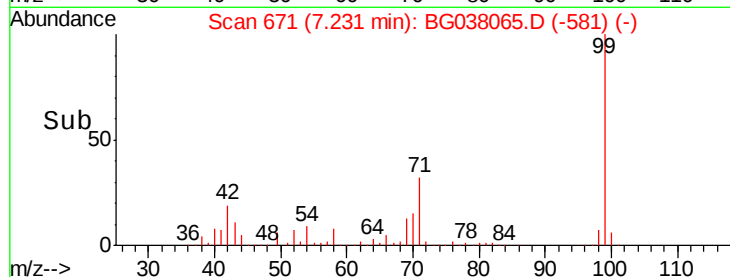
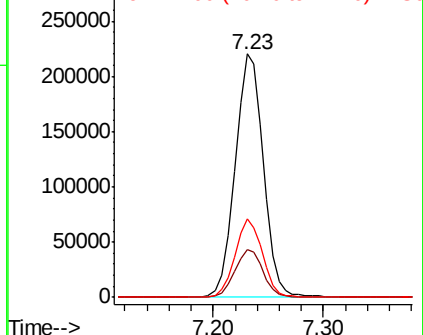
99 100

42 19.4 15.0 22.4

71 32.0 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



#19

n-Nitroso-di-n-propylamine

Concen: 13.091 ng

RT: 9.26 min Scan# 1017

Delta R.T. 0.37 min

Lab File: BG038065.D

Acq: 19 Nov 2018 16:47

Tgt Ion: 70 Resp: 38084

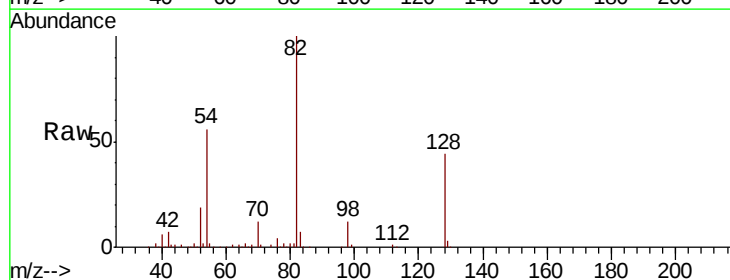
Ion Ratio Lower Upper

70 100

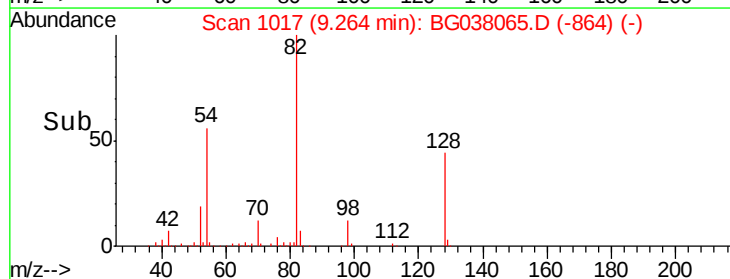
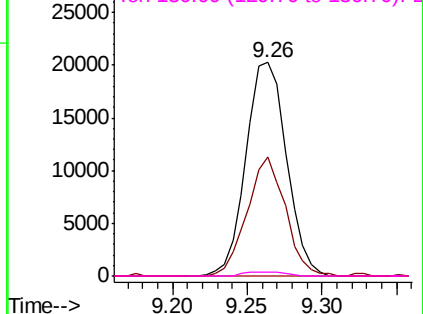
42 55.5 53.9 80.9

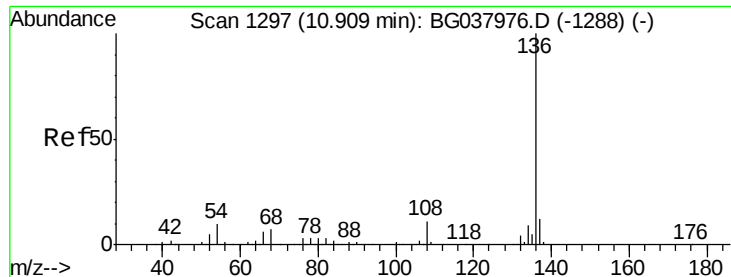
101 0.0 8.2 12.2#

130 2.0 18.2 27.4#



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: 10.91 min Scan# 1297

Delta R.T. 0.00 min

Lab File: BG038065.D

Acq: 19 Nov 2018 16:47

Instrument :

BNA\_G

ClientSampleId :

LR-RBR-200036

Tgt Ion:136 Resp: 205637

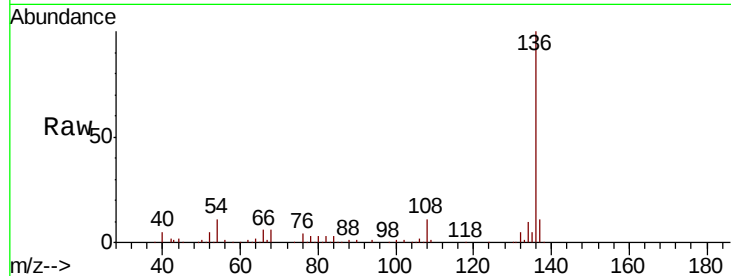
Ion Ratio Lower Upper

136 100

137 10.5 9.6 14.4

54 10.9 7.9 11.9

68 6.2 4.8 7.2

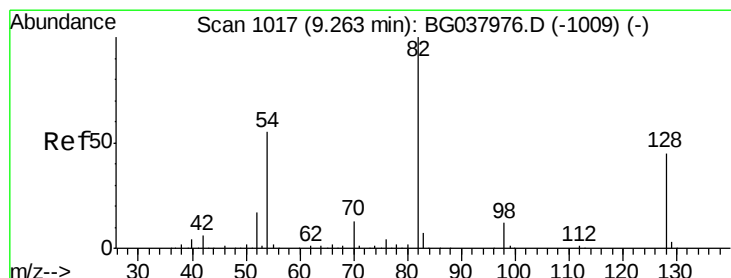
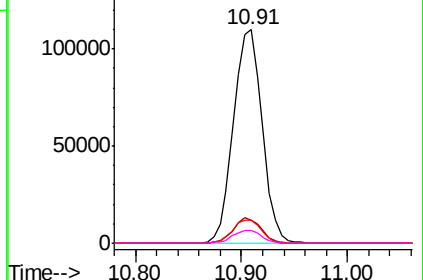
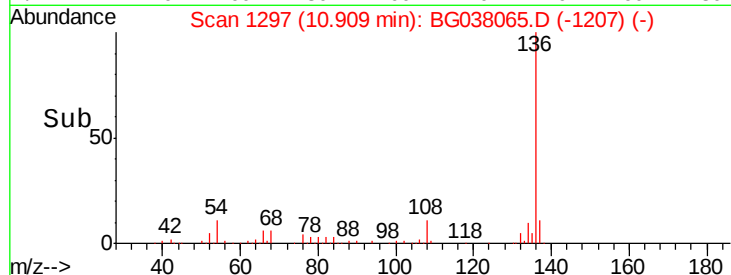


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 78.863 ng

RT: 9.26 min Scan# 1017

Delta R.T. 0.00 min

Lab File: BG038065.D

Acq: 19 Nov 2018 16:47

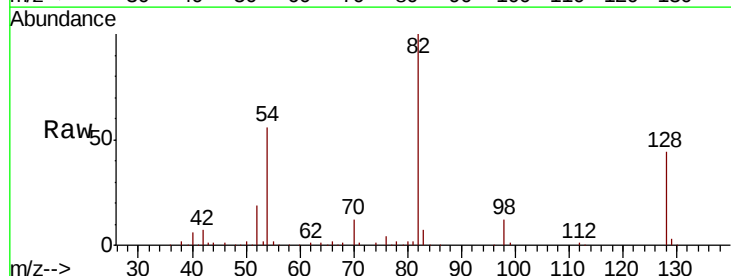
Tgt Ion: 82 Resp: 302951

Ion Ratio Lower Upper

82 100

128 44.3 34.6 51.8

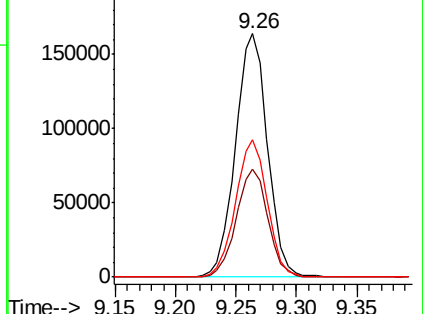
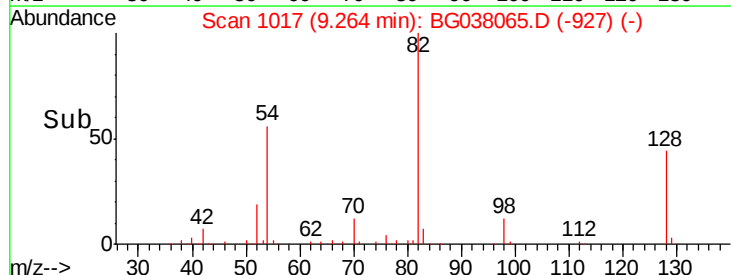
54 56.2 45.3 67.9

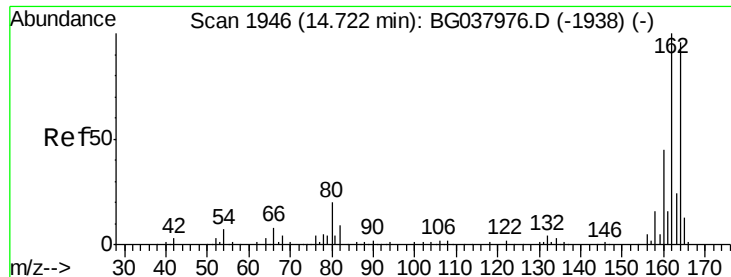


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.72 min Scan# 1946

Delta R.T. 0.00 min

Lab File: BG038065.D

Acq: 19 Nov 2018 16:47

Instrument :

BNA\_G

ClientSampleId :

LR-RBR-200036

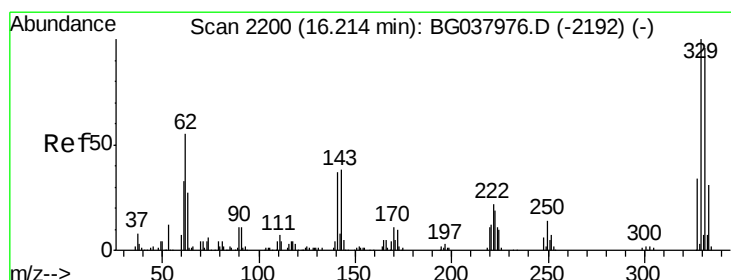
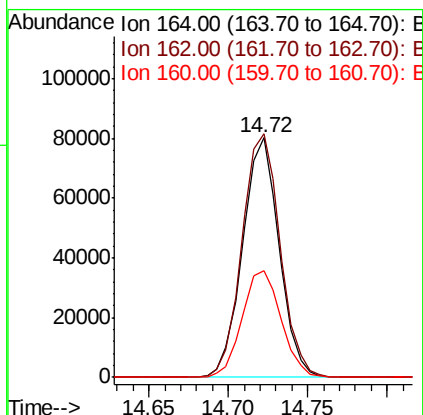
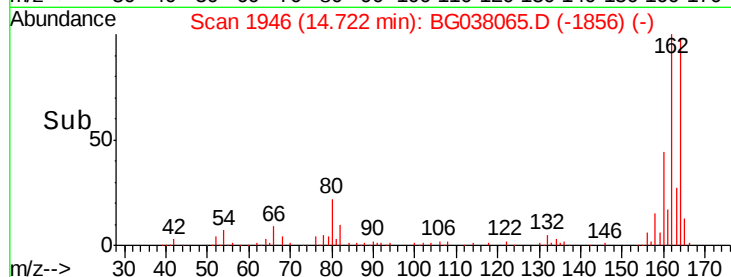
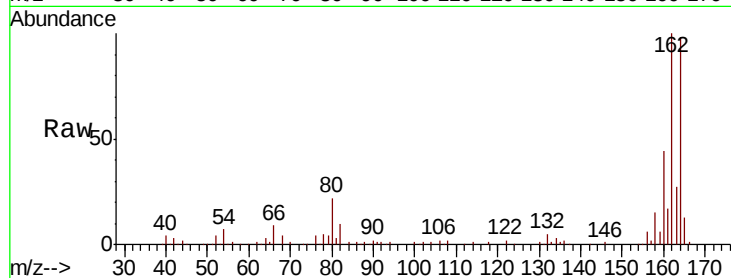
Tgt Ion:164 Resp: 128280

Ion Ratio Lower Upper

164 100

162 101.8 81.3 121.9

160 44.8 36.3 54.5



#42

2,4,6-Tribromophenol

Concen: 102.124 ng

RT: 16.21 min Scan# 2199

Delta R.T. -0.01 min

Lab File: BG038065.D

Acq: 19 Nov 2018 16:47

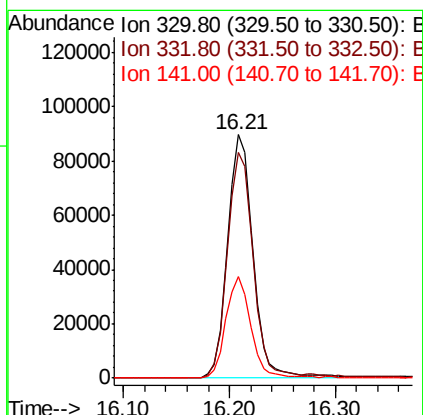
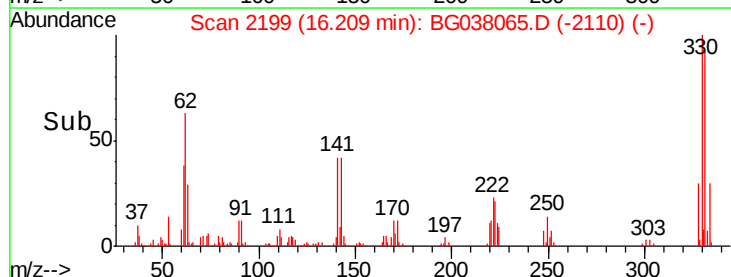
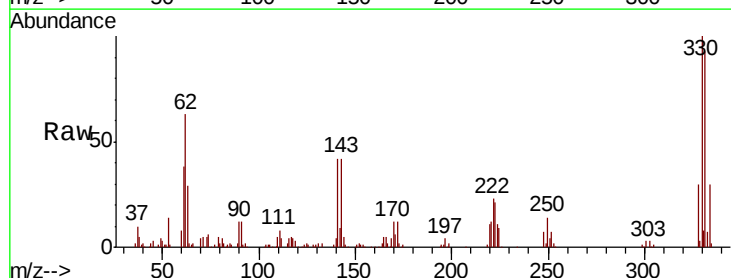
Tgt Ion:330 Resp: 149408

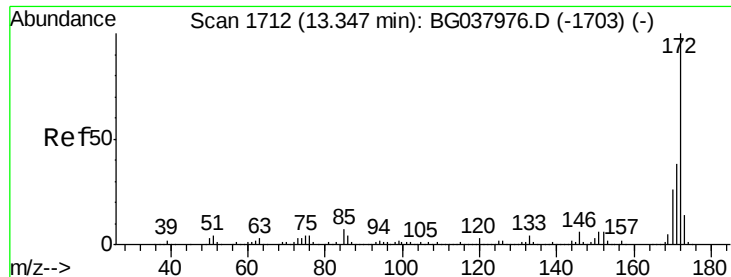
Ion Ratio Lower Upper

330 100

332 95.6 78.4 117.6

141 40.9 32.2 48.2

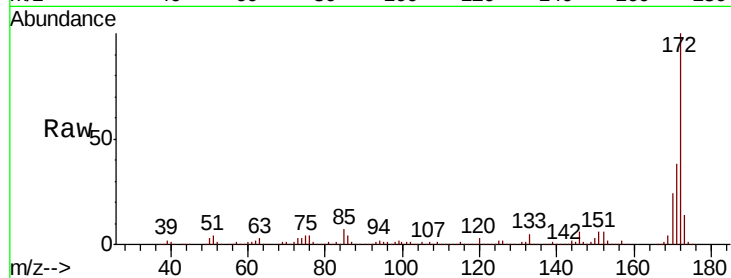




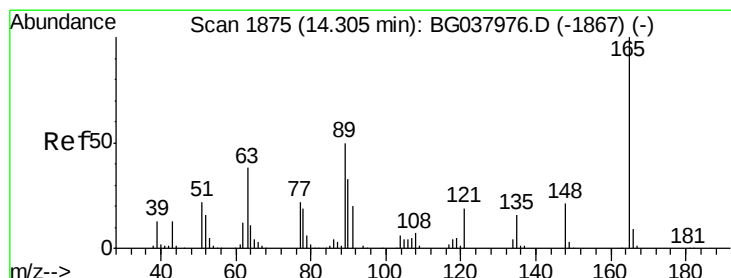
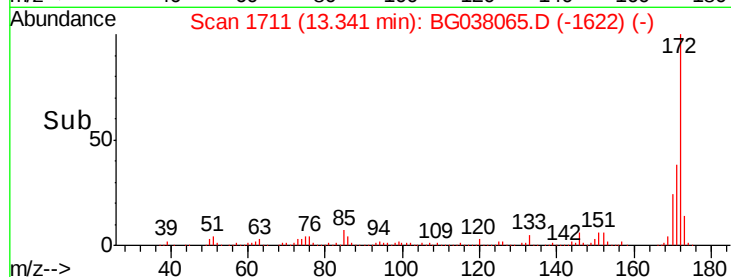
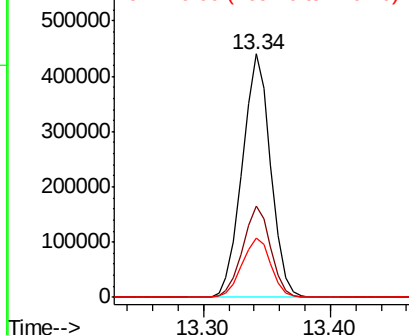
#45  
 2-Fluorobiphenyl  
 Concen: 77.467 ng  
 RT: 13.34 min Scan# 1711  
 Delta R.T. -0.01 min  
 Lab File: BG038065.D  
 Acq: 19 Nov 2018 16:47

Instrument :  
 BNA\_G  
 ClientSampleId :  
 LR-RBR-200036

Tgt Ion:172 Resp: 682121  
 Ion Ratio Lower Upper  
 172 100  
 171 37.8 31.0 46.4  
 170 24.2 20.2 30.2

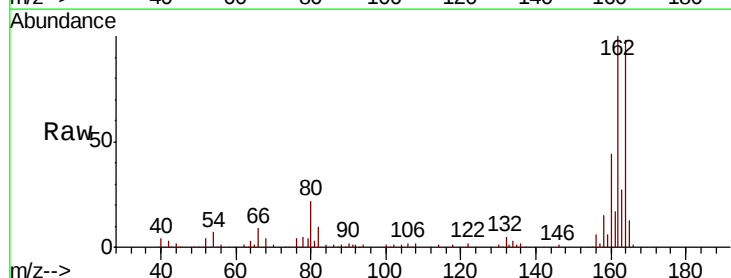


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

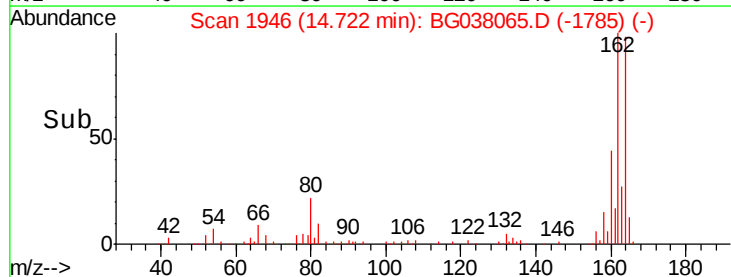
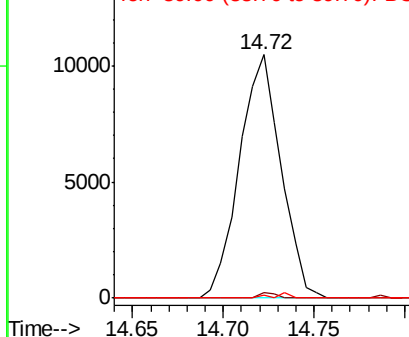


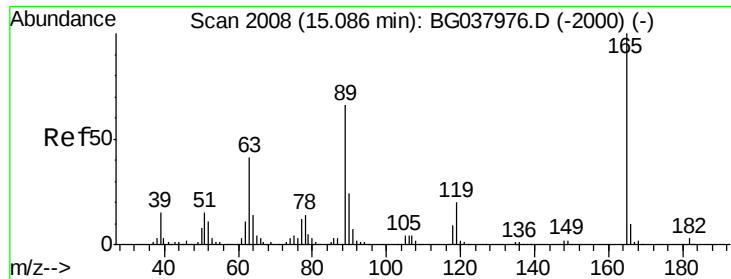
#51  
 2,6-Dinitrotoluene  
 Concen: 7.218 ng  
 RT: 14.72 min Scan# 1946  
 Delta R.T. 0.42 min  
 Lab File: BG038065.D  
 Acq: 19 Nov 2018 16:47

Tgt Ion:165 Resp: 16613  
 Ion Ratio Lower Upper  
 165 100  
 63 2.5 43.4 65.2#  
 89 1.5 45.8 68.6#



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

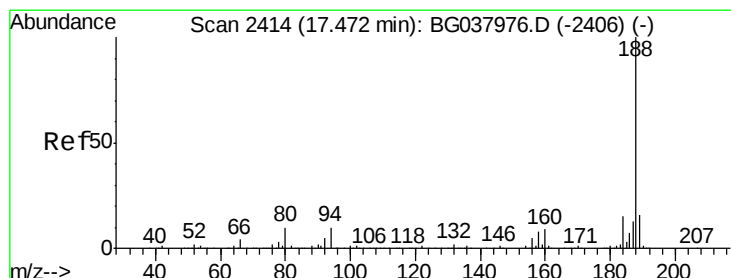
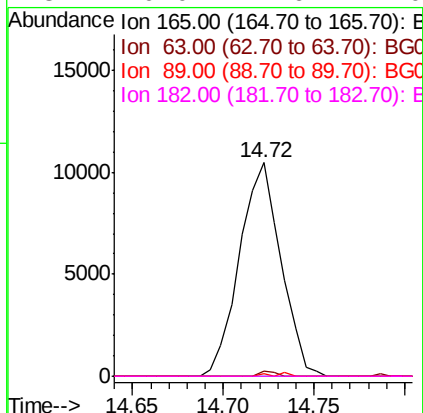
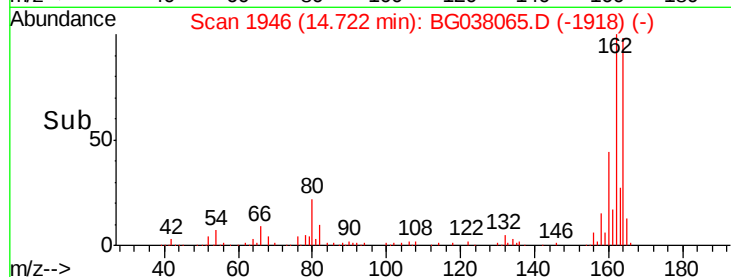
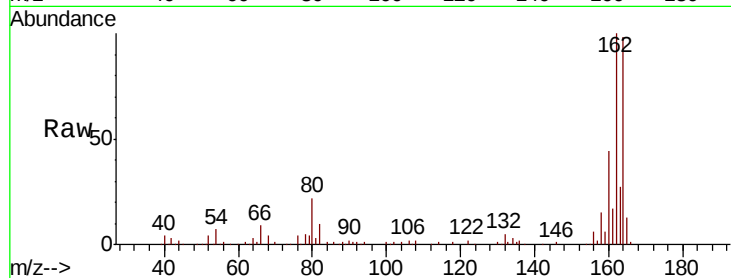




#57  
 2,4-Dinitrotoluene  
 Concen: 5.305 ng  
 RT: 14.72 min Scan# 1946  
 Delta R.T. -0.36 min  
 Lab File: BG038065.D  
 Acq: 19 Nov 2018 16:47

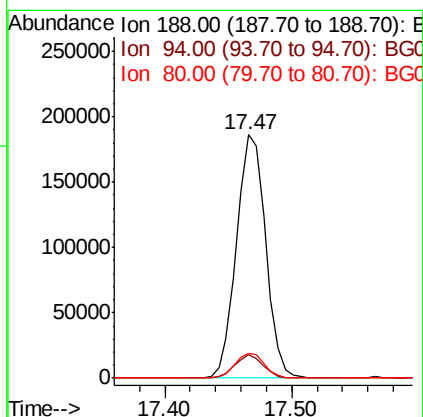
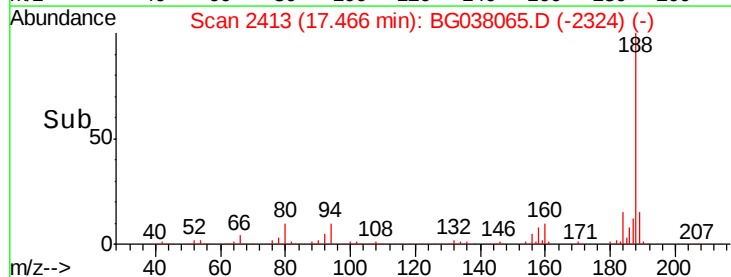
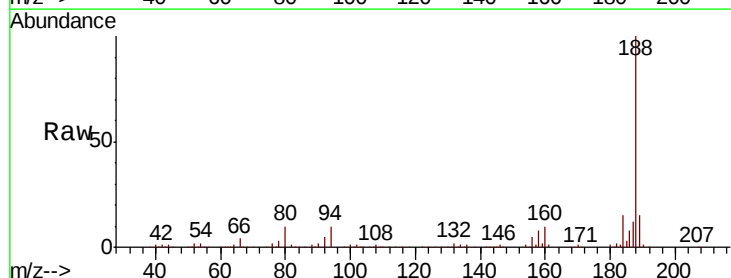
Instrument :  
 BNA\_G  
 ClientSampleId :  
 LR-RBR-200036

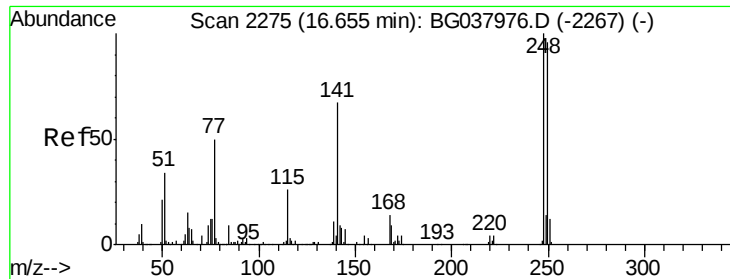
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 2.5   | 33.4  | 50.0# |
| 89      | 1.5   | 57.2  | 85.8# |
| 182     | 0.0   | 2.6   | 4.0#  |



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.47 min Scan# 2413  
 Delta R.T. -0.01 min  
 Lab File: BG038065.D  
 Acq: 19 Nov 2018 16:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 9.6   | 7.2   | 10.8  |
| 80      | 10.2  | 7.7   | 11.5  |

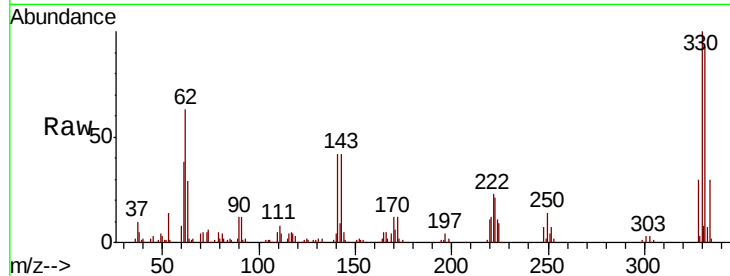




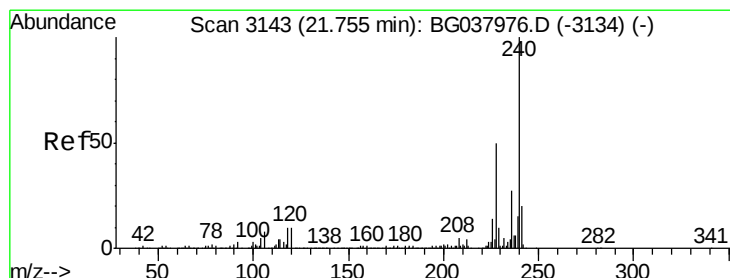
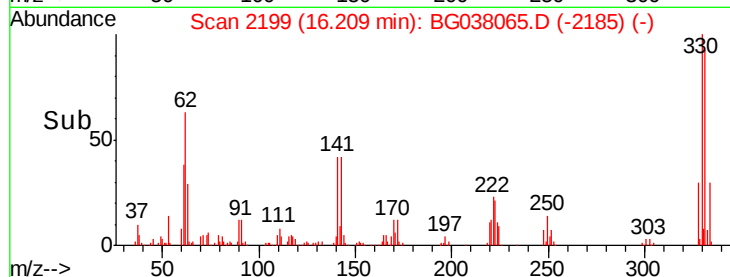
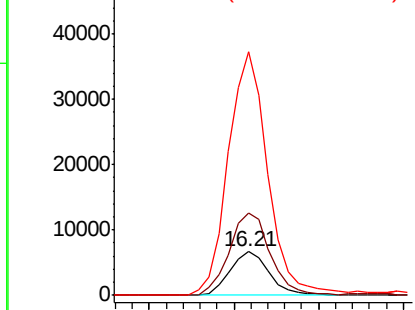
#67  
 4-Bromophenyl-phenylether  
 Concen: 3.319 ng  
 RT: 16.21 min Scan# 2199  
 Delta R.T. -0.45 min  
 Lab File: BG038065.D  
 Acq: 19 Nov 2018 16:47

Instrument :  
 BNA\_G  
 ClientSampleId :  
 LR-RBR-200036

Tgt Ion:248 Resp: 10794  
 Ion Ratio Lower Upper  
 248 100  
 250 192.4 77.0 115.6#  
 141 435.9 55.5 83.3#

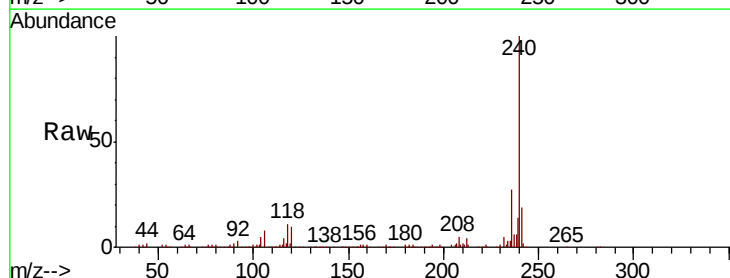


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

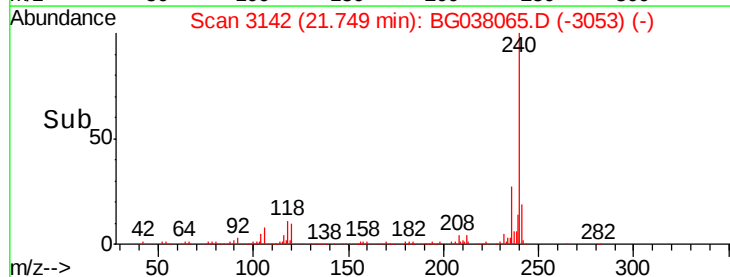
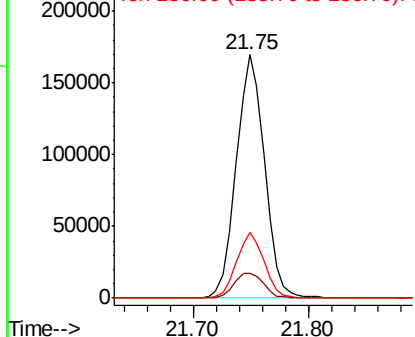


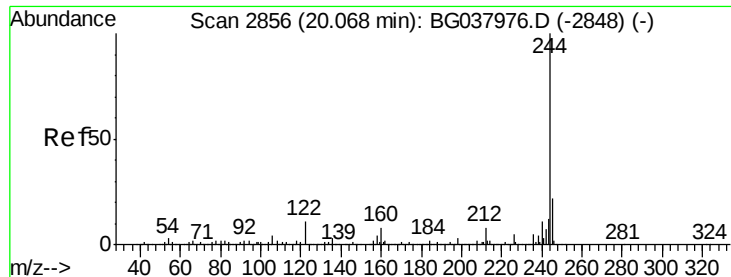
#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 21.75 min Scan# 3142  
 Delta R.T. -0.01 min  
 Lab File: BG038065.D  
 Acq: 19 Nov 2018 16:47

Tgt Ion:240 Resp: 287996  
 Ion Ratio Lower Upper  
 240 100  
 120 10.1 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: 86.351 ng

RT: 20.07 min Scan# 2856

Delta R.T. 0.00 min

Lab File: BG038065.D

Acq: 19 Nov 2018 16:47

Instrument :

BNA\_G

ClientSampleId :

LR-RBR-200036

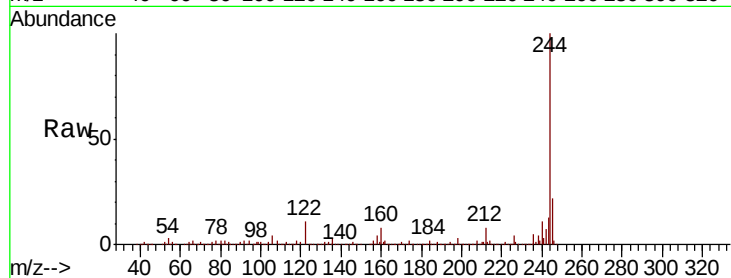
Tgt Ion:244 Resp: 1056889

Ion Ratio Lower Upper

244 100

212 8.3 6.5 9.7

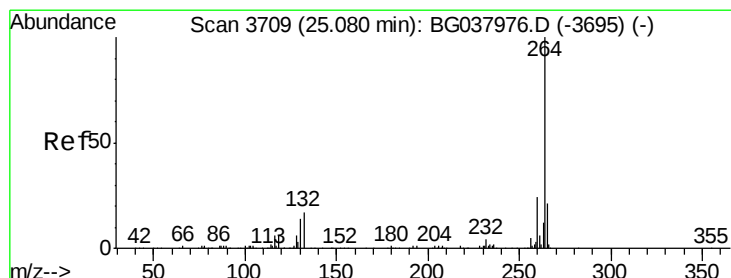
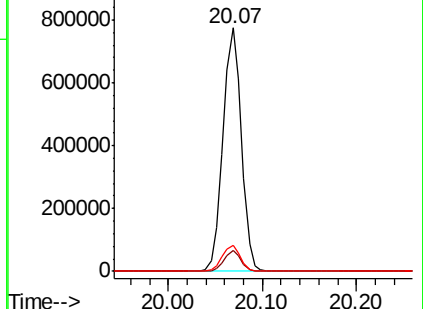
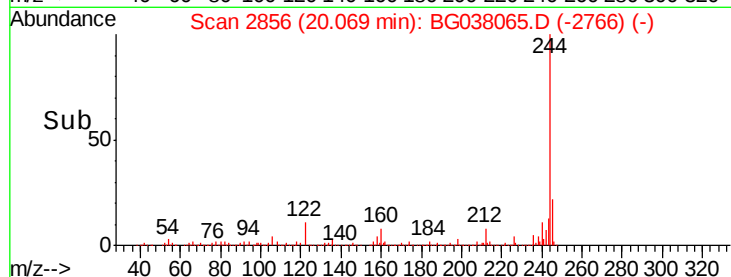
122 10.8 9.0 13.4



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: 25.07 min Scan# 3708

Delta R.T. -0.01 min

Lab File: BG038065.D

Acq: 19 Nov 2018 16:47

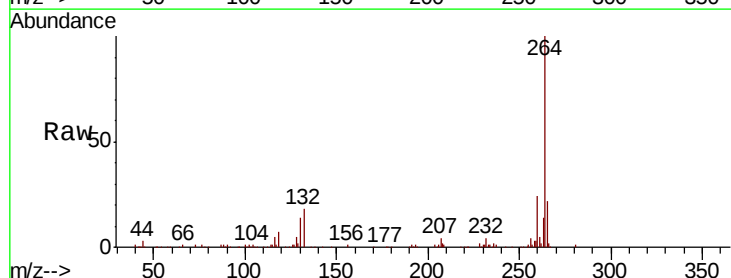
Tgt Ion:264 Resp: 287760

Ion Ratio Lower Upper

264 100

260 23.8 18.2 27.4

265 21.8 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

