

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091418\  
 Data File : BG036730.D  
 Acq On : 15 Sep 2018 7:47  
 Operator : JU/SJ  
 Sample : J4771-02  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 NB-08-091218

Quant Time: Sep 17 04:06:44 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 31 13:03:20 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.05  | 152  | 59113    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.86 | 136  | 242643   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.68 | 164  | 163102   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.41 | 188  | 432435   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12            | 21.68 | 240  | 444989   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 24.88 | 264  | 443528   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.62  | 112  | 378821   | 101.66 | ng    | 0.00     |
| 7) Phenol-d6                | 7.21  | 99   | 489998   | 91.84  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.21  | 82   | 360362   | 80.58  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.16 | 330  | 274626   | 141.11 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.30 | 172  | 811999   | 71.08  | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.02 | 244  | 1533837  | 80.57  | ng    | 0.00     |

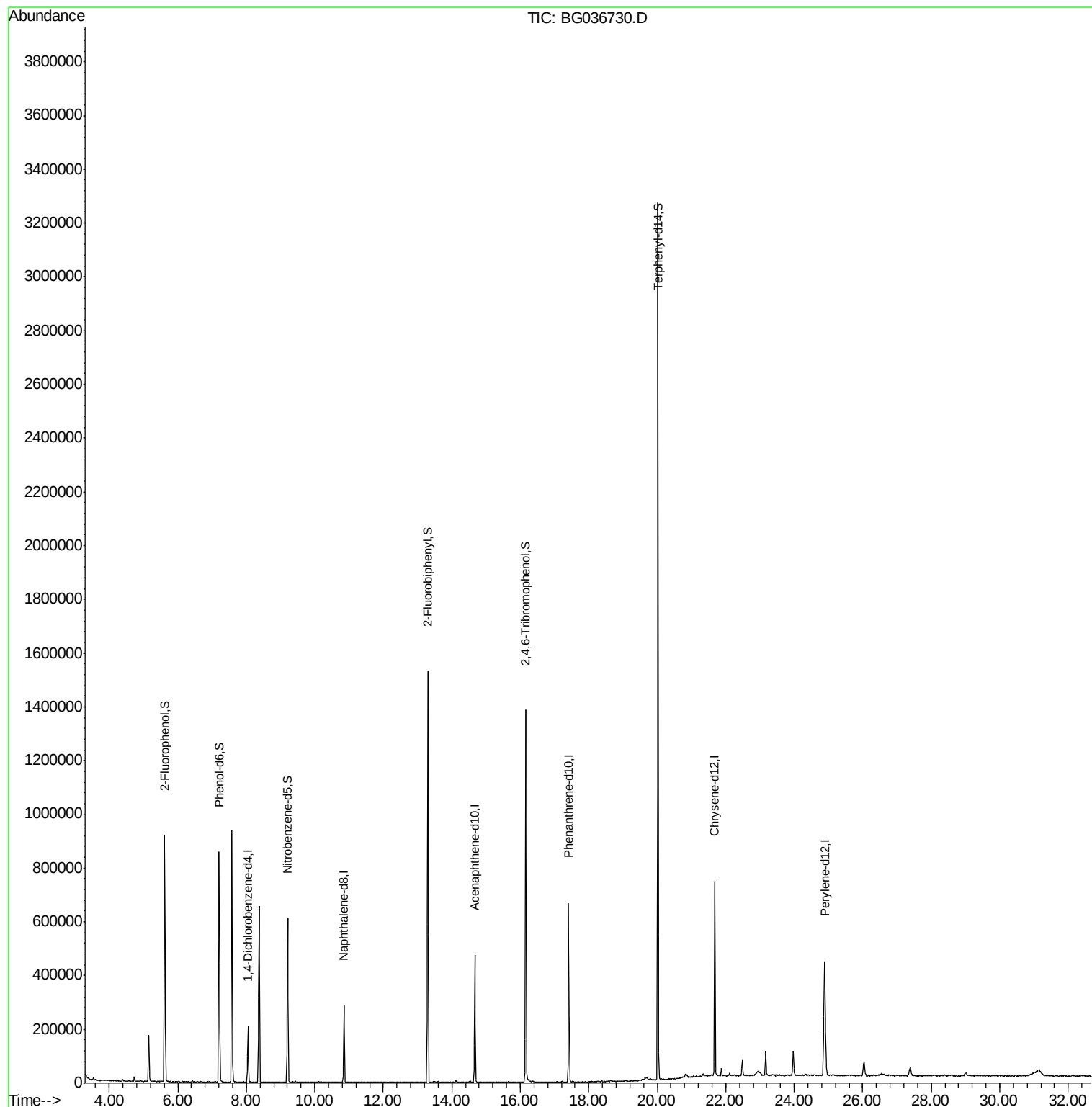
Target Compounds Qvalue

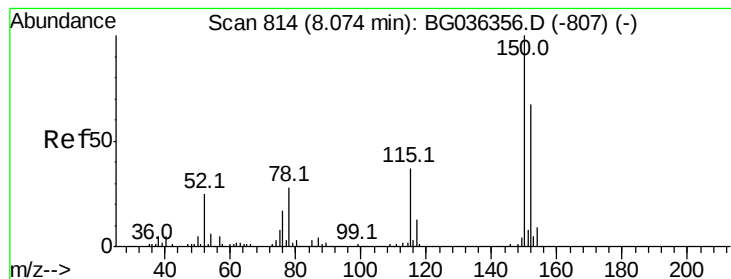
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Aug 31 13:03:20 2018  
Response via : Initial Calibration



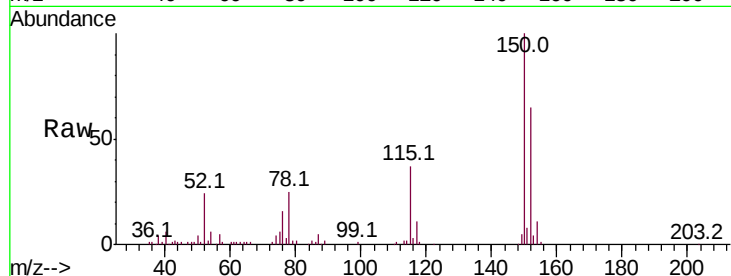


#1

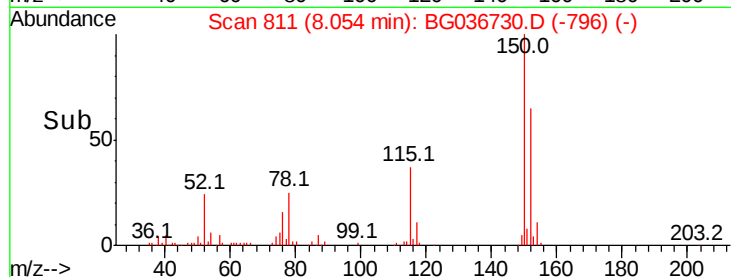
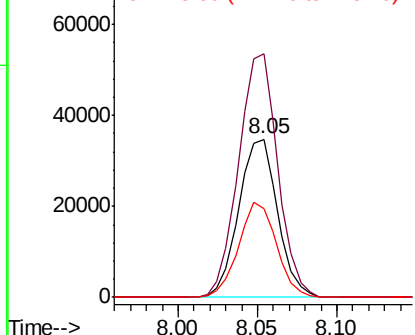
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.05 min Scan# 811  
Delta R.T. -0.01 min  
Lab File: BG036730.D  
Acq: 15 Sep 2018 7:47

Instrument :  
BNA\_G  
ClientSampleId :  
NB-08-091218

Tot Ion:152 Resp: 59113  
Ion Ratio Lower Upper  
152 100  
150 154.2 119.5 179.3  
115 56.6 44.5 66.7



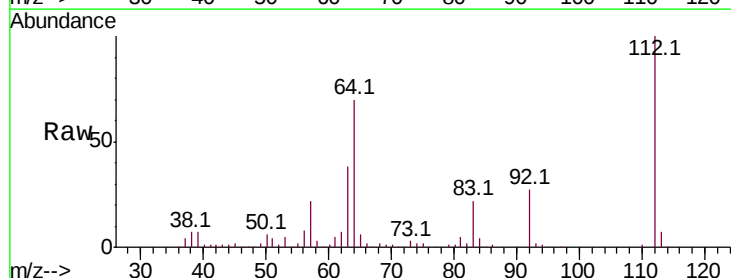
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



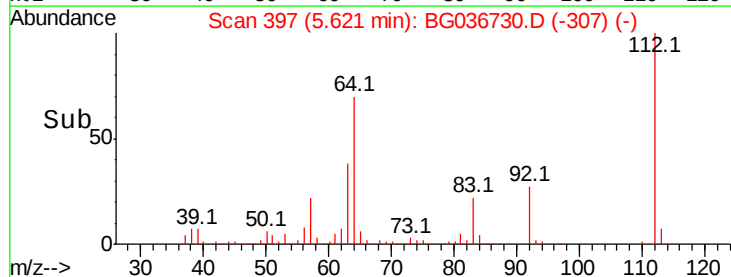
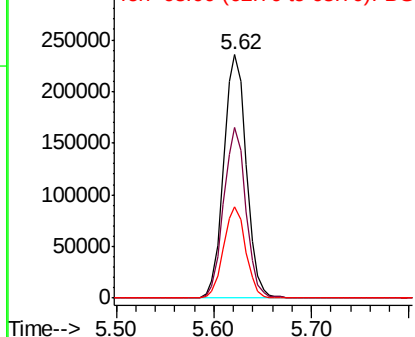
#5

2-Fluorophenol  
Concen: 101.656 ng  
RT: 5.62 min Scan# 397  
Delta R.T. -0.00 min  
Lab File: BG036730.D  
Acq: 15 Sep 2018 7:47

Tgt Ion:112 Resp: 378821  
Ion Ratio Lower Upper  
112 100  
64 69.9 57.2 85.8  
63 37.7 30.8 46.2



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: 91.839 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.01 min

Lab File: BG036730.D

Acq: 15 Sep 2018 7:47

Instrument :

BNA\_G

ClientSampleId :

NB-08-091218

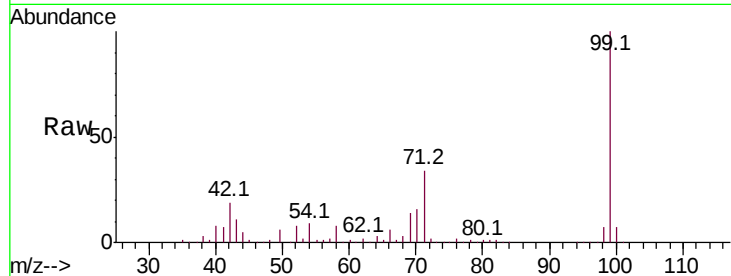
Tot Ion: 99 Resp: 489998

Ion Ratio Lower Upper

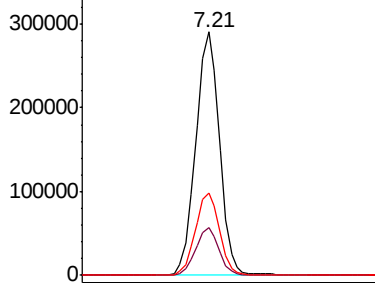
99 100

42 19.4 16.5 24.7

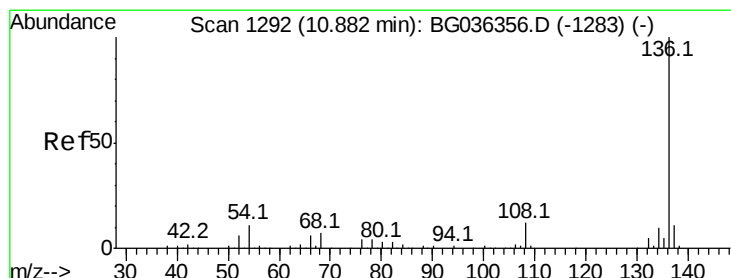
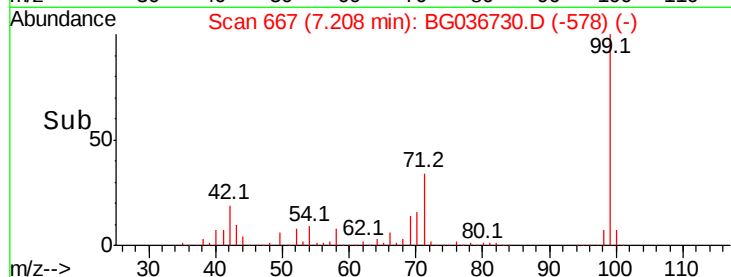
71 33.9 29.4 44.2



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



Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.86 min Scan# 1288

Delta R.T. -0.01 min

Lab File: BG036730.D

Acq: 15 Sep 2018 7:47

Tgt Ion: 136 Resp: 242643

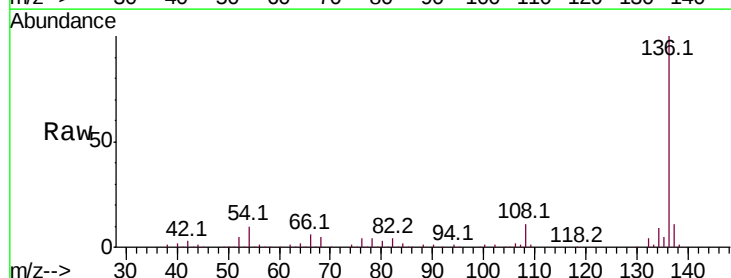
Ion Ratio Lower Upper

136 100

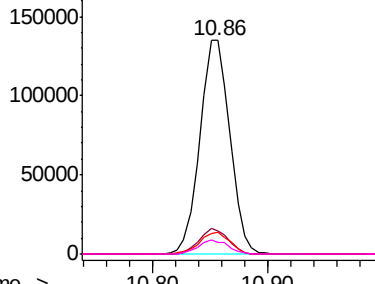
137 11.0 8.8 13.2

54 10.3 9.2 13.8

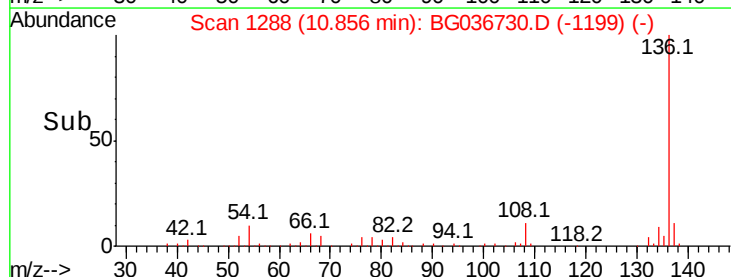
68 5.4 5.8 8.6#

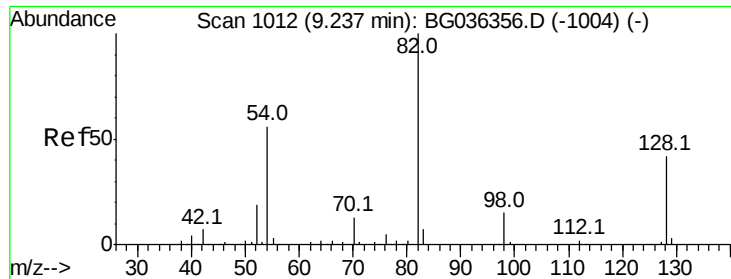


Abundance Ion 136.00 (135.70 to 136.70): BGC  
Ion 137.00 (136.70 to 137.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC



Time-->

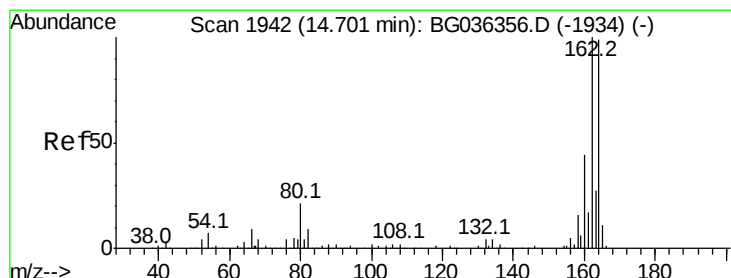
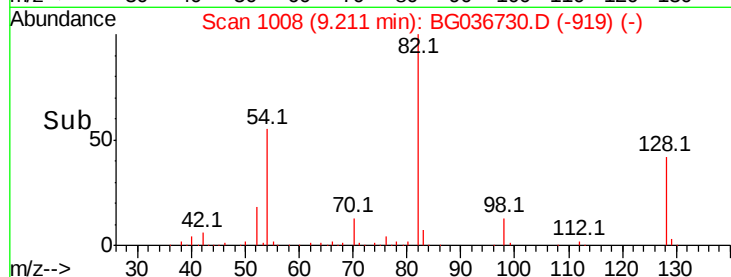
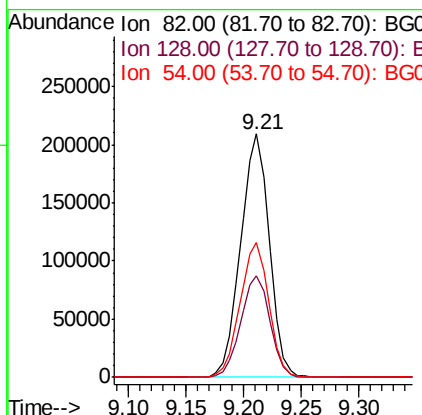
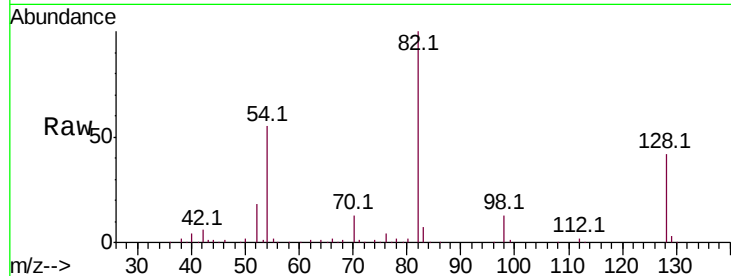




#23  
 Nitrobenzene-d5  
 Concen: 80.580 ng  
 RT: 9.21 min Scan# 1008  
 Delta R.T. -0.01 min  
 Lab File: BG036730.D  
 Acq: 15 Sep 2018 7:47

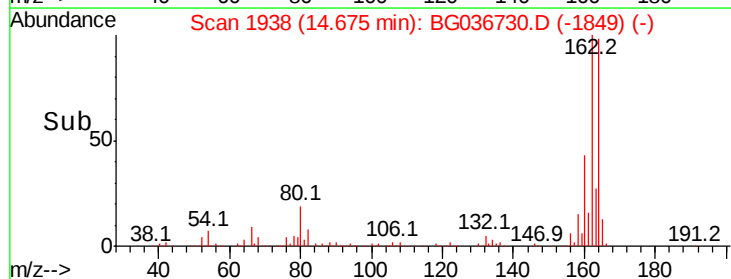
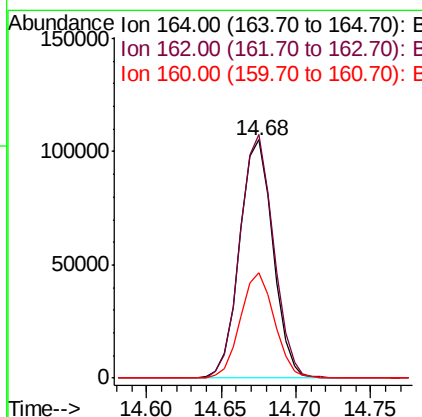
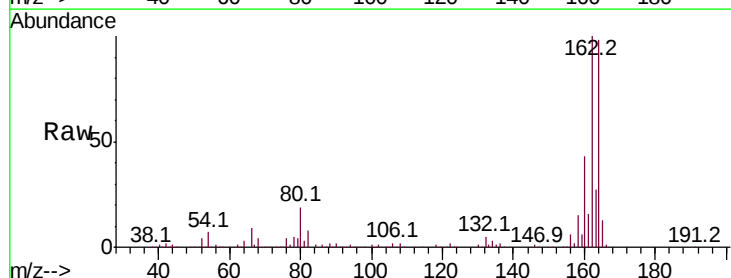
Instrument :  
 BNA\_G  
 ClientSampleId :  
 NB-08-091218

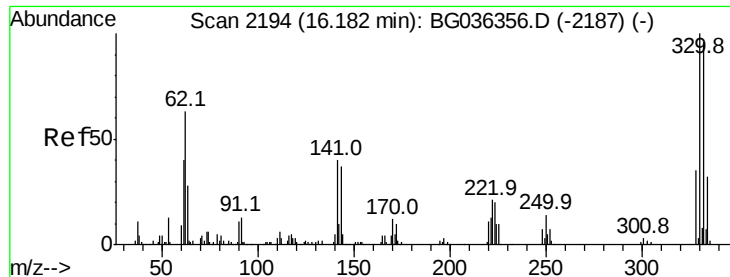
| Tot Ion | 82    | Resp  | 360362 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 82      | 100   |       |        |
| 128     | 41.8  | 33.3  | 49.9   |
| 54      | 55.4  | 45.1  | 67.7   |



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.68 min Scan# 1938  
 Delta R.T. -0.01 min  
 Lab File: BG036730.D  
 Acq: 15 Sep 2018 7:47

| Tgt Ion | 164   | Resp  | 163102 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 164     | 100   |       |        |
| 162     | 102.3 | 80.7  | 121.1  |
| 160     | 44.0  | 35.3  | 52.9   |

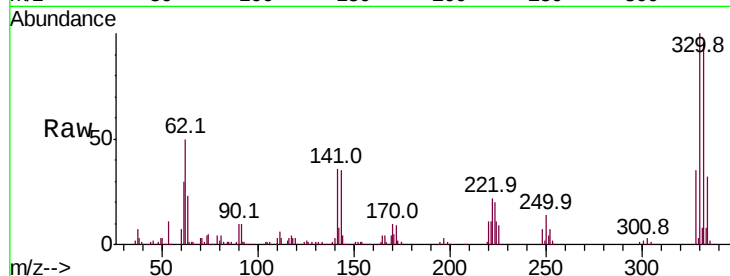




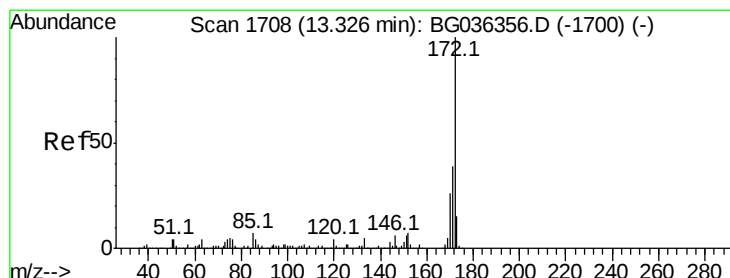
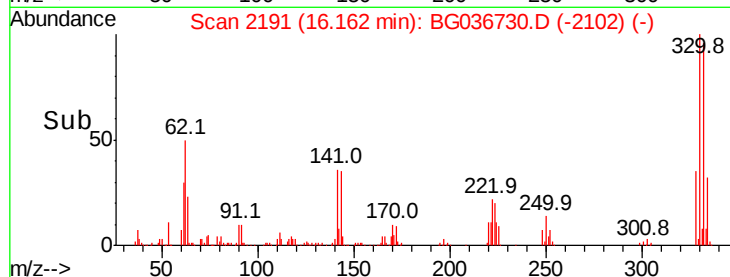
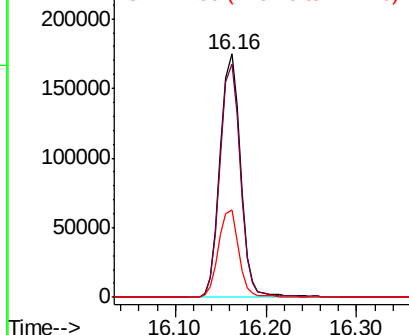
#41  
 2,4,6-Tribromophenol  
 Concen: 141.111 ng  
 RT: 16.16 min Scan# 2191  
 Delta R.T. -0.01 min  
 Lab File: BG036730.D  
 Acq: 15 Sep 2018 7:47

Instrument :  
 BNA\_G  
 ClientSampleId :  
 NB-08-091218

Tot Ion:330 Resp: 274626  
 Ion Ratio Lower Upper  
 330 100  
 332 95.2 75.4 113.2  
 141 35.7 30.7 46.1

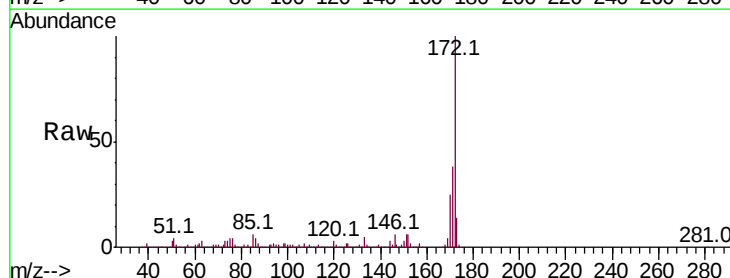


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

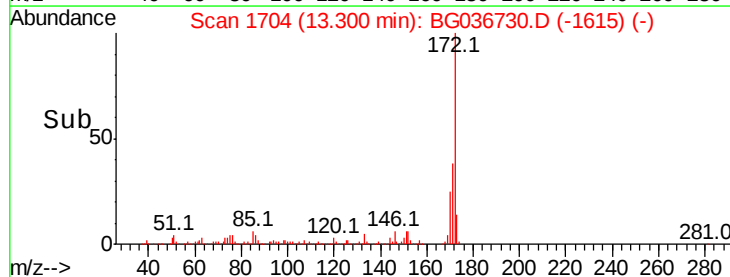
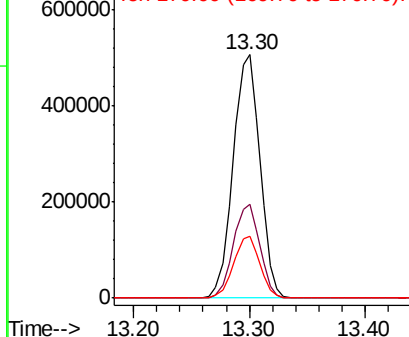


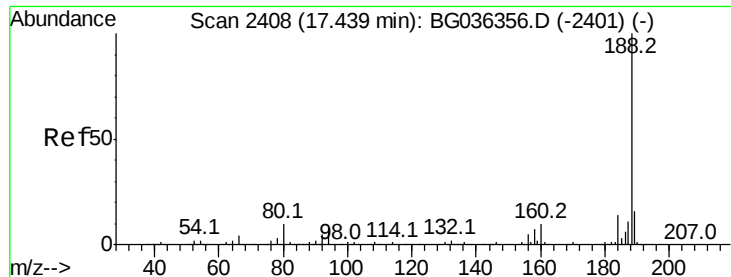
#44  
 2-Fluorobiphenyl  
 Concen: 71.084 ng  
 RT: 13.30 min Scan# 1704  
 Delta R.T. -0.01 min  
 Lab File: BG036730.D  
 Acq: 15 Sep 2018 7:47

Tgt Ion:172 Resp: 811999  
 Ion Ratio Lower Upper  
 172 100  
 171 38.4 31.3 46.9  
 170 25.2 21.0 31.6



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





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.41 min Scan# 2404

Delta R.T. -0.02 min

Lab File: BG036730.D

Acq: 15 Sep 2018 7:47

Instrument :

BNA\_G

ClientSampleId :

NB-08-091218

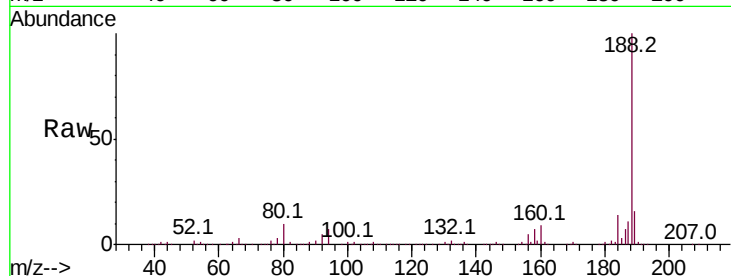
Tot Ion:188 Resp: 432435

Ion Ratio Lower Upper

188 100

94 7.0 6.7 10.1

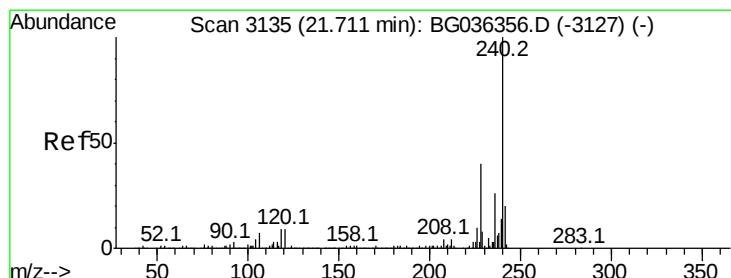
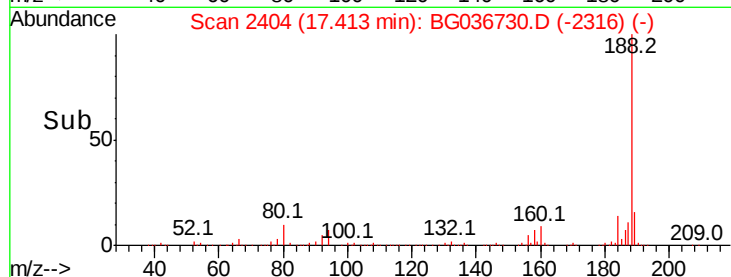
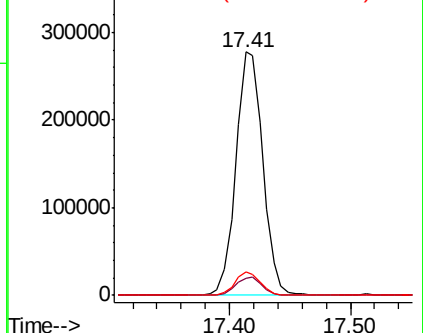
80 9.8 8.1 12.1



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# 3130

Delta R.T. -0.02 min

Lab File: BG036730.D

Acq: 15 Sep 2018 7:47

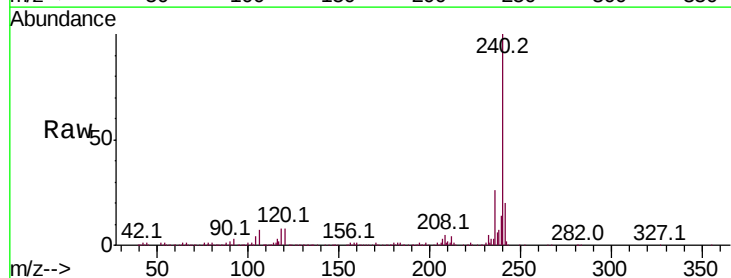
Tgt Ion:240 Resp: 444989

Ion Ratio Lower Upper

240 100

120 8.5 6.9 10.3

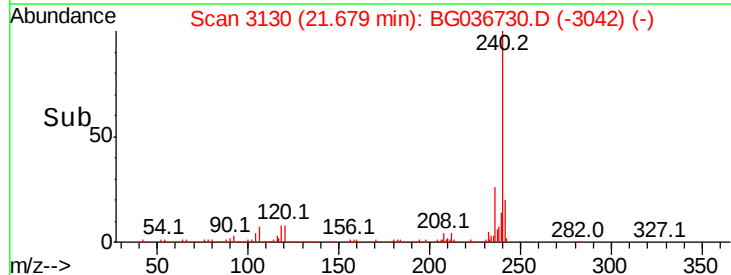
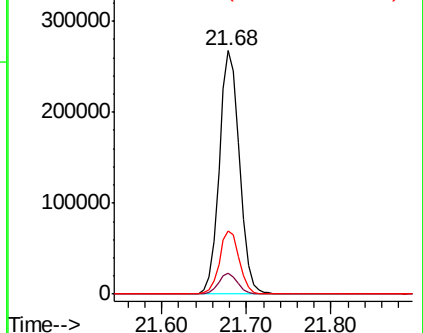
236 26.0 21.2 31.8



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



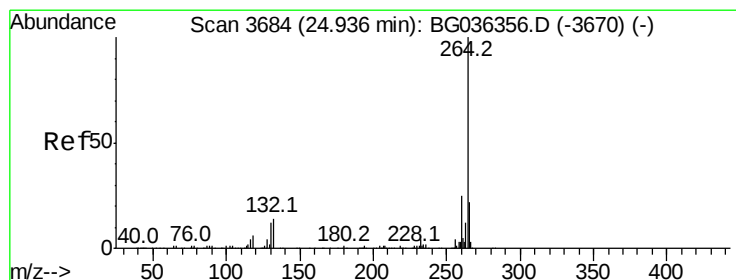
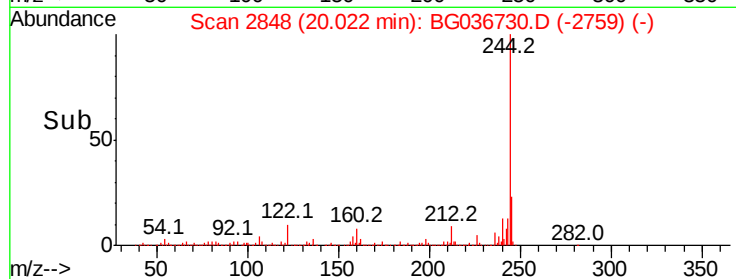
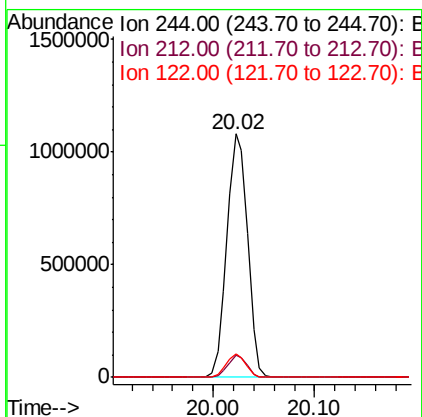
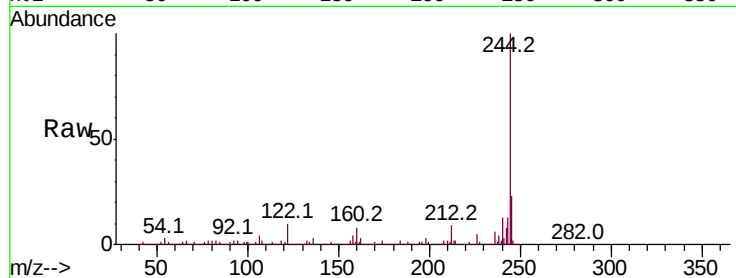


#78  
 Terphenyl-d14  
 Concen: 80.566 ng  
 RT: 20.02 min Scan# 2848  
 Delta R.T. -0.01 min  
 Lab File: BG036730.D  
 Acq: 15 Sep 2018 7:47

Instrument :  
 BNA\_G  
 ClientSampleId :  
 NB-08-091218

Tot Ion:244 Resp: 1533837  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 9.0   | 7.0   | 10.6  |
| 122 | 9.6   | 7.1   | 10.7  |



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.88 min Scan# 3675  
 Delta R.T. -0.02 min  
 Lab File: BG036730.D  
 Acq: 15 Sep 2018 7:47

Tgt Ion:264 Resp: 443528  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.8  | 19.6  | 29.4  |
| 265 | 21.3  | 17.4  | 26.0  |

