

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091918\  
 Data File : BG036825.D  
 Acq On : 19 Sep 2018 18:40  
 Operator : JU/SJ  
 Sample : J4771-04  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 NB-07-091818

Quant Time: Sep 20 07:20:16 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  | 60028    | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8          | 10.85 | 136  | 256436   | 20.00 | ng    | -0.02    |
| 38) Acenaphthene-d10        | 14.67 | 164  | 166257   | 20.00 | ng    | -0.02    |
| 63) Phenanthrene-d10        | 17.41 | 188  | 399685   | 20.00 | ng    | -0.02    |
| 75) Chrysene-d12            | 21.68 | 240  | 399285   | 20.00 | ng    | -0.02    |
| 86) Perylene-d12            | 24.89 | 264  | 370306   | 20.00 | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.62  | 112  | 371846   | 98.26 | ng    | 0.00     |
| 7) Phenol-d6                | 7.21  | 99   | 472063   | 87.13 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 9.20  | 82   | 382990   | 81.03 | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 16.16 | 330  | 187093   | 94.31 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 13.29 | 172  | 854985   | 73.43 | ng    | -0.02    |
| 78) Terphenyl-d14           | 20.02 | 244  | 1352558  | 79.18 | ng    | -0.01    |

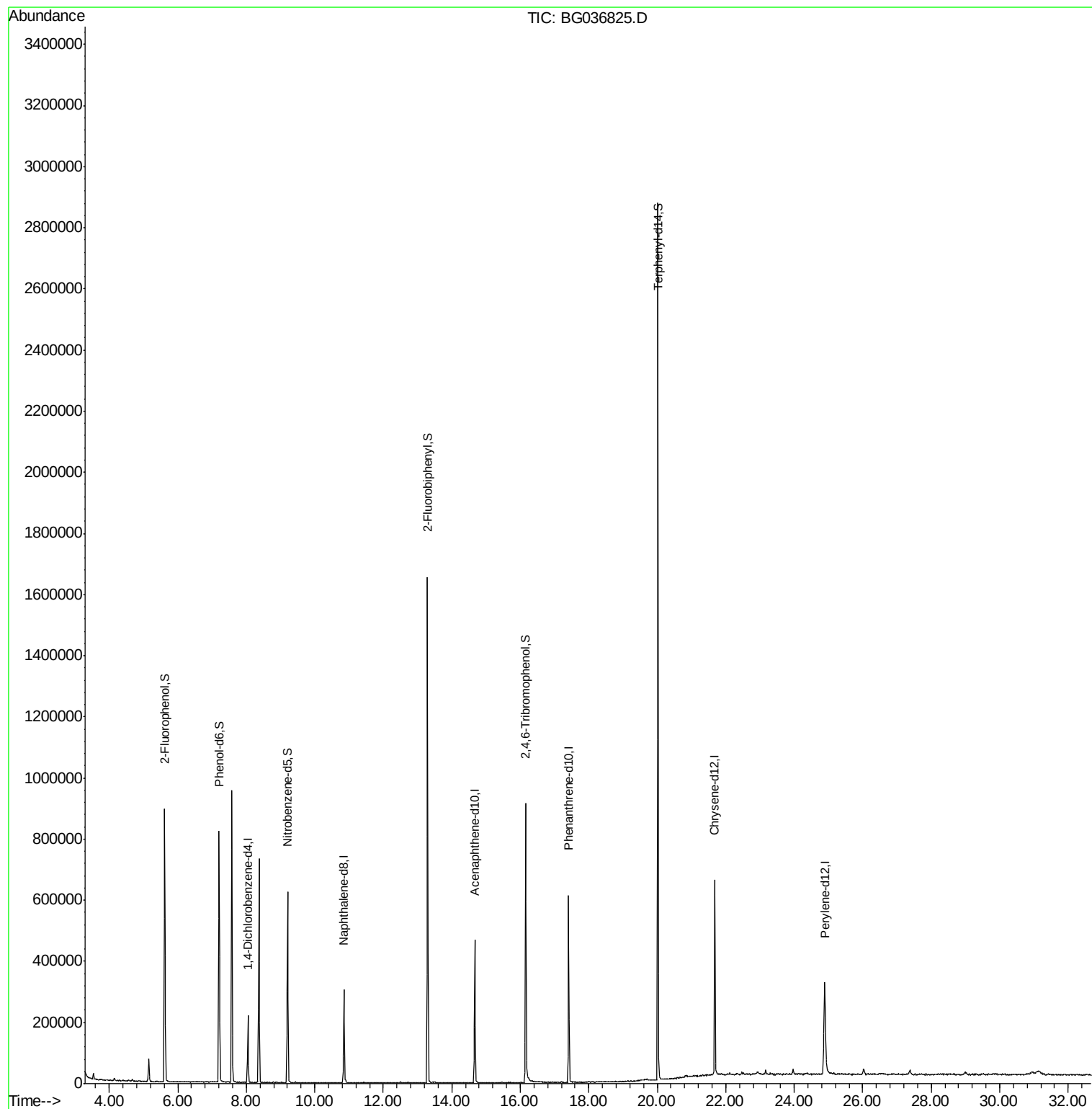
Target Compounds Qvalue

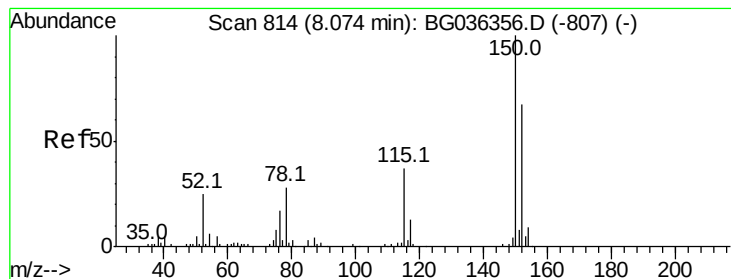
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA\_G  
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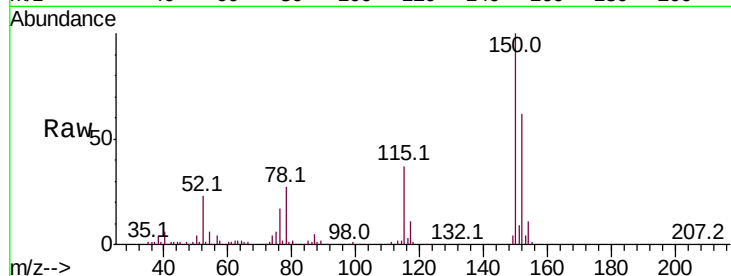


#1

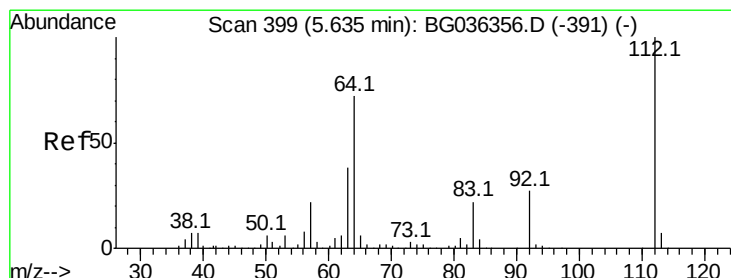
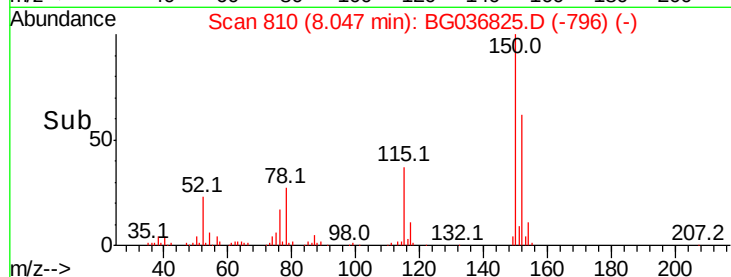
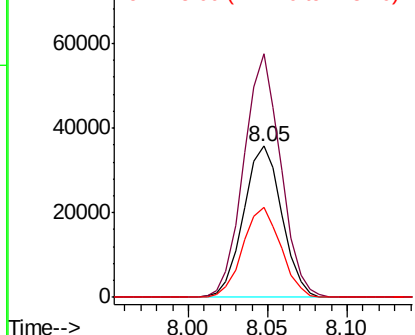
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.05 min Scan# 810  
Delta R.T. -0.02 min  
Lab File: BG036825.D  
Acq: 19 Sep 2018 18:40

Instrument :  
BNA\_G  
ClientSampleId :  
NB-07-091818

Tot Ion:152 Resp: 60028  
Ion Ratio Lower Upper  
152 100  
150 161.4 119.5 179.3  
115 59.6 44.5 66.7



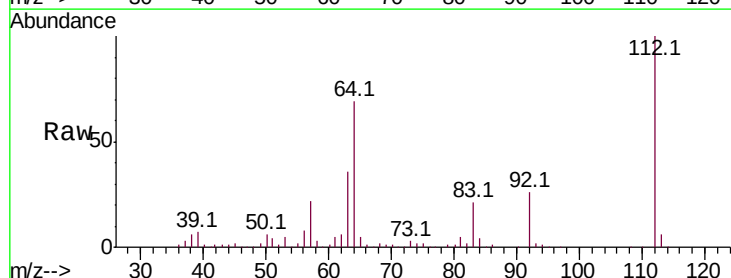
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



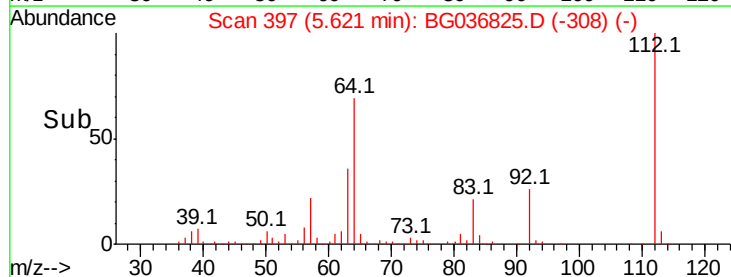
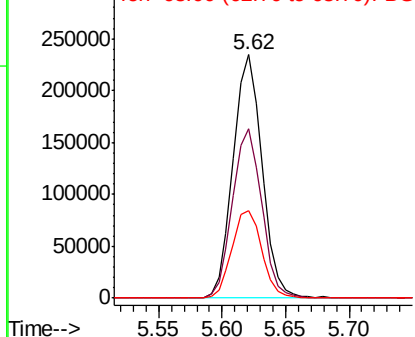
#5

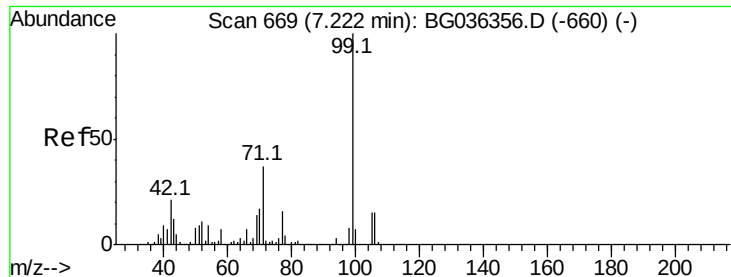
2-Fluorophenol  
Concen: 98.264 ng  
RT: 5.62 min Scan# 397  
Delta R.T. -0.00 min  
Lab File: BG036825.D  
Acq: 19 Sep 2018 18:40

Tgt Ion:112 Resp: 371846  
Ion Ratio Lower Upper  
112 100  
64 69.4 57.2 85.8  
63 35.9 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: 87.129 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.01 min

Lab File: BG036825.D

Acq: 19 Sep 2018 18:40

Instrument :

BNA\_G

ClientSampleId :

NB-07-091818

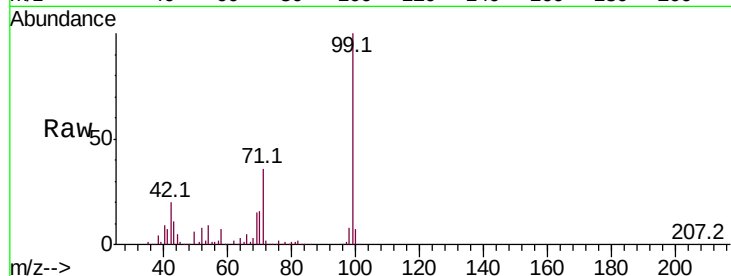
Tot Ion: 99 Resp: 472063

Ion Ratio Lower Upper

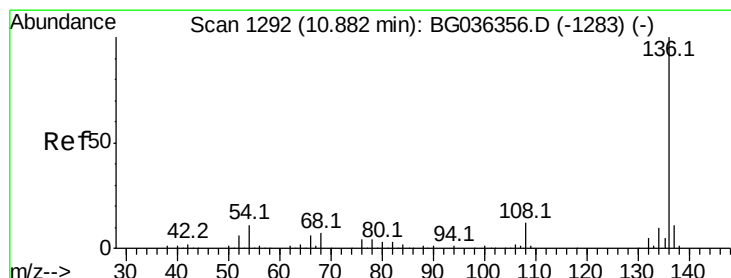
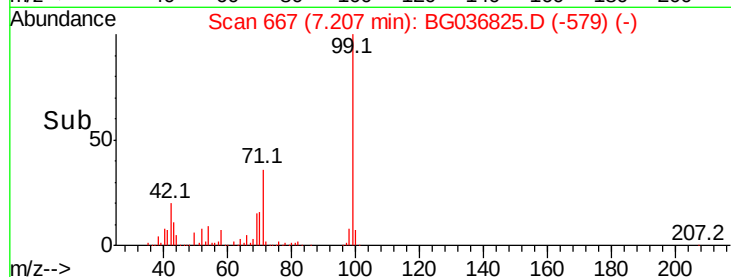
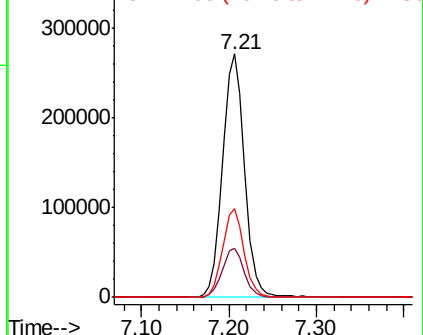
99 100

42 20.0 16.5 24.7

71 36.4 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.85 min Scan# 1287

Delta R.T. -0.02 min

Lab File: BG036825.D

Acq: 19 Sep 2018 18:40

Tgt Ion: 136 Resp: 256436

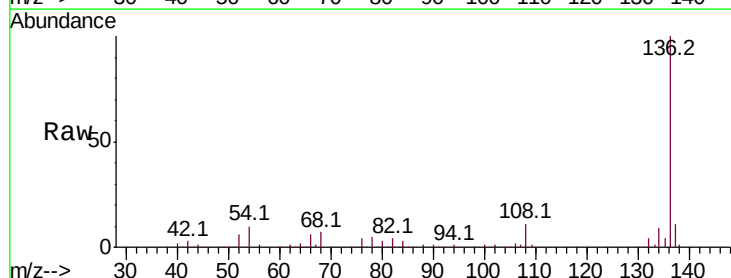
Ion Ratio Lower Upper

136 100

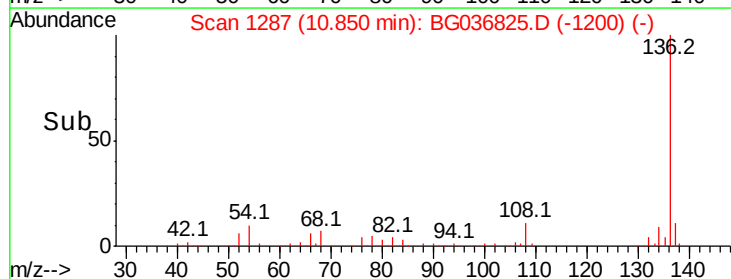
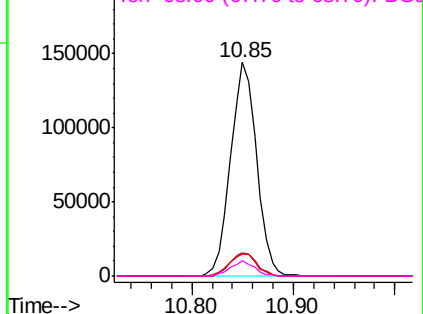
137 10.9 8.8 13.2

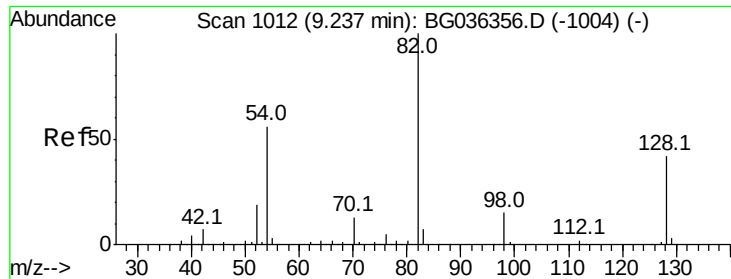
54 10.4 9.2 13.8

68 7.2 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

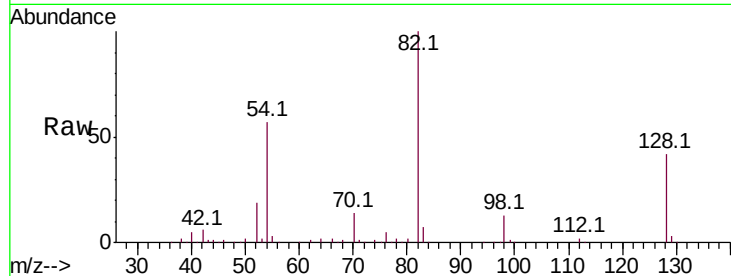




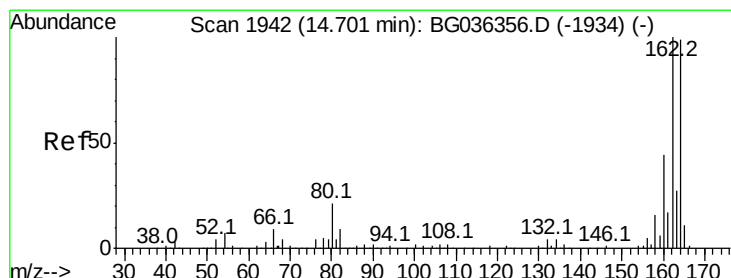
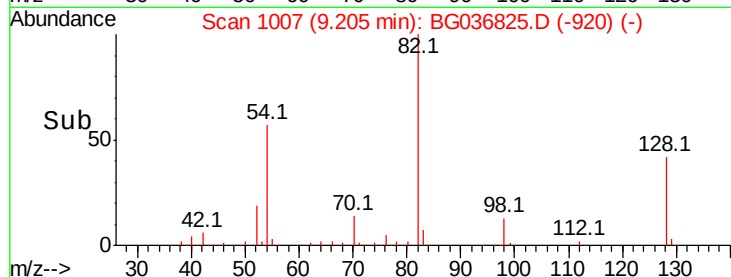
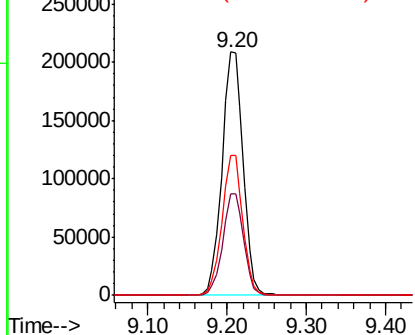
#23  
Nitrobenzene-d5  
Concen: 81.033 ng  
RT: 9.20 min Scan# 1007  
Delta R.T. -0.02 min  
Lab File: BG036825.D  
Acq: 19 Sep 2018 18:40

Instrument :  
BNA\_G  
ClientSampleId :  
NB-07-091818

| Tot Ion   | 82    | Resp  | 382990 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 41.7  | 33.3  | 49.9   |
| 54        | 57.4  | 45.1  | 67.7   |

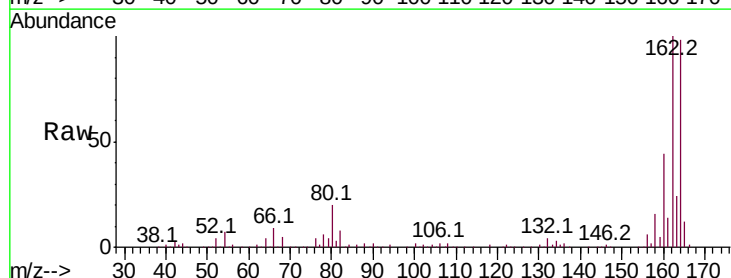


Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 128.00 (127.70 to 128.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC

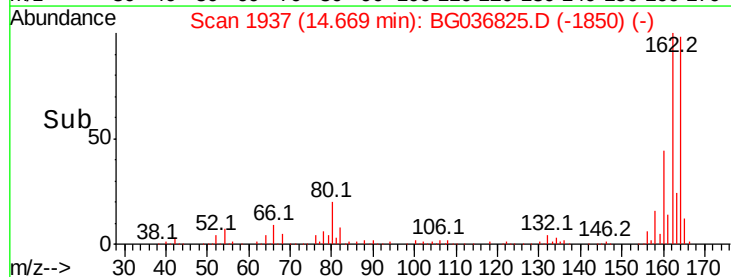
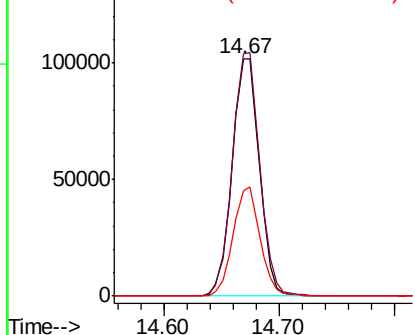


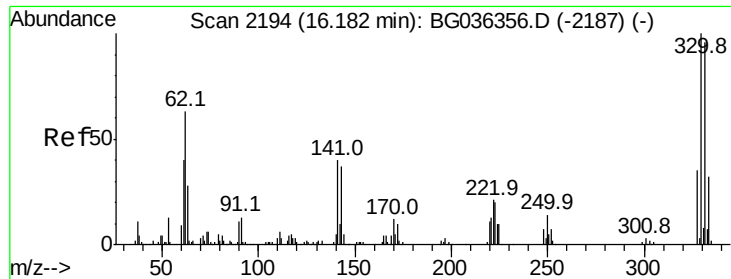
#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.67 min Scan# 1937  
Delta R.T. -0.02 min  
Lab File: BG036825.D  
Acq: 19 Sep 2018 18:40

| Tgt Ion   | 164   | Resp  | 166257 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 101.7 | 80.7  | 121.1  |
| 160       | 44.3  | 35.3  | 52.9   |



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

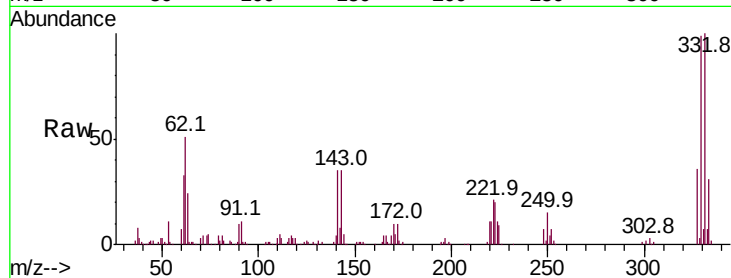




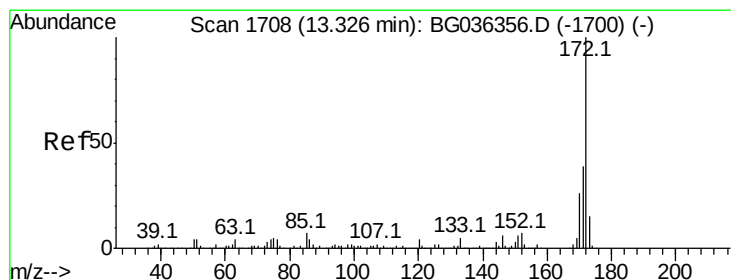
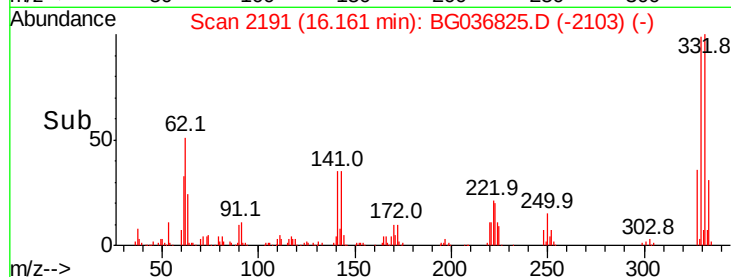
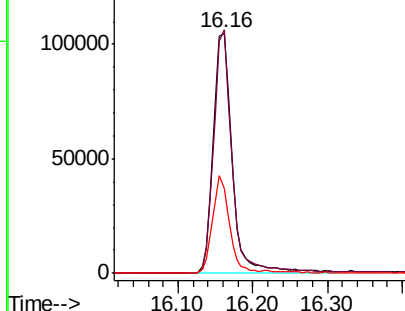
#41  
 2,4,6-Tribromophenol  
 Concen: 94.310 ng  
 RT: 16.16 min Scan# 2191  
 Delta R.T. -0.01 min  
 Lab File: BG036825.D  
 Acq: 19 Sep 2018 18:40

Instrument :  
 BNA\_G  
 ClientSampleId :  
 NB-07-091818

Tot Ion:330 Resp: 187093  
 Ion Ratio Lower Upper  
 330 100  
 332 96.8 75.4 113.2  
 141 36.5 30.7 46.1

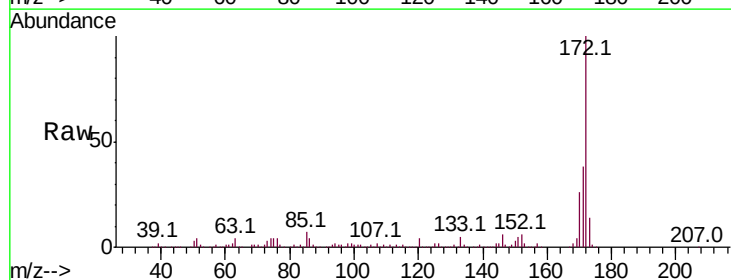


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

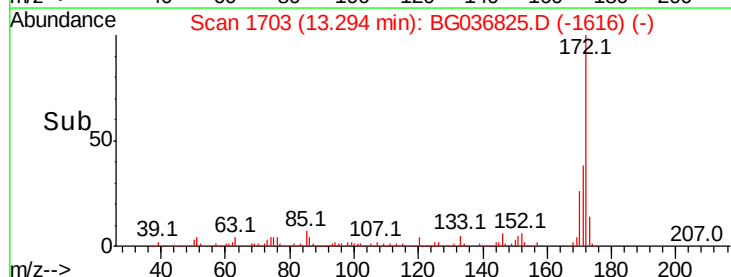
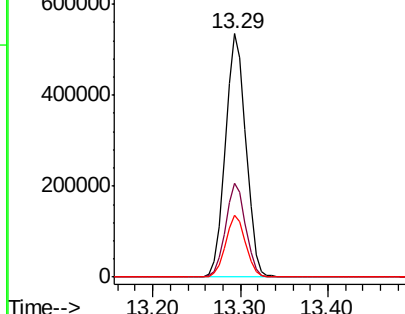


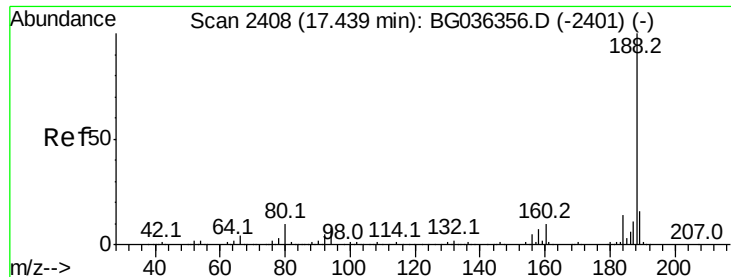
#44  
 2-Fluorobiphenyl  
 Concen: 73.426 ng  
 RT: 13.29 min Scan# 1703  
 Delta R.T. -0.02 min  
 Lab File: BG036825.D  
 Acq: 19 Sep 2018 18:40

Tgt Ion:172 Resp: 854985  
 Ion Ratio Lower Upper  
 172 100  
 171 38.5 31.3 46.9  
 170 25.5 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

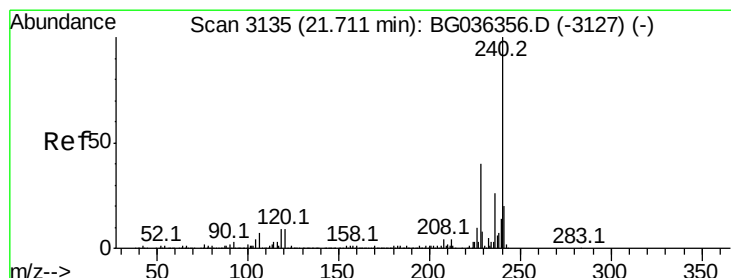
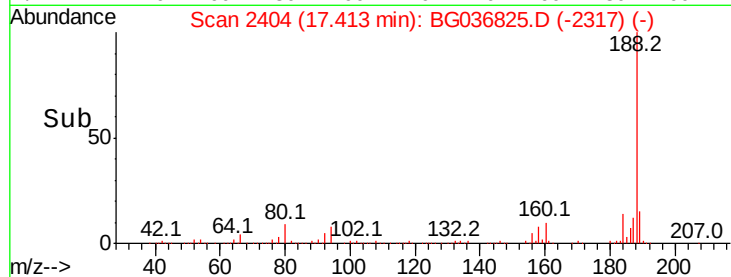
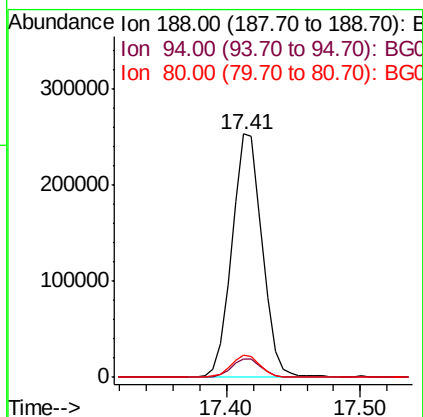
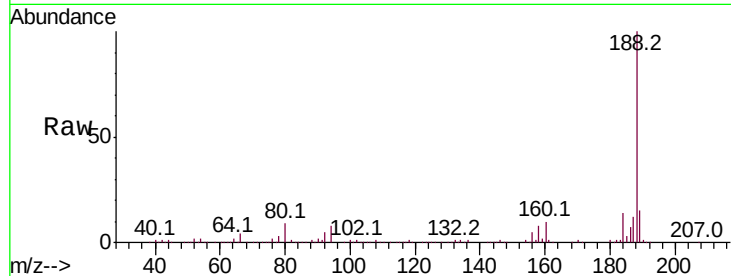




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.41 min Scan# 2404  
Delta R.T. -0.02 min  
Lab File: BG036825.D  
Acq: 19 Sep 2018 18:40

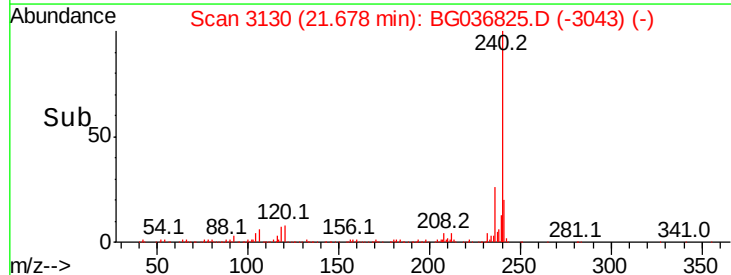
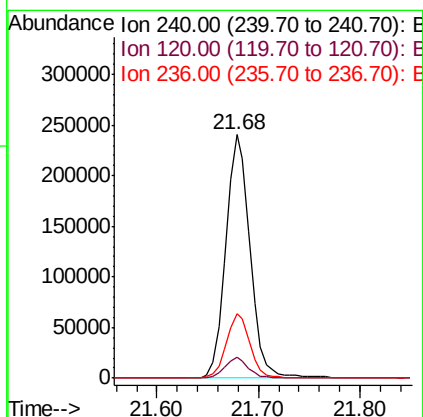
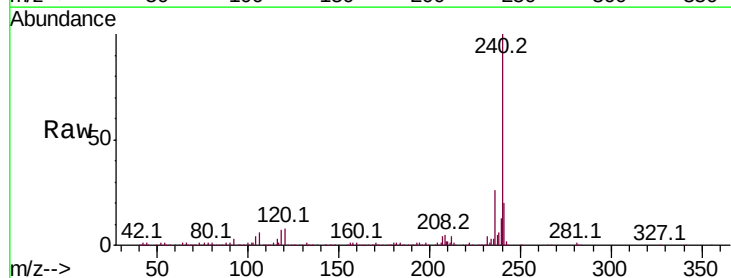
Instrument :  
BNA\_G  
ClientSampleId :  
NB-07-091818

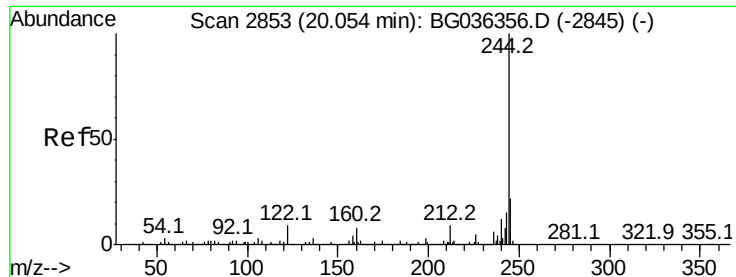
Tot Ion:188 Resp: 399685  
Ion Ratio Lower Upper  
188 100  
94 7.5 6.7 10.1  
80 9.3 8.1 12.1



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.68 min Scan# 3130  
Delta R.T. -0.02 min  
Lab File: BG036825.D  
Acq: 19 Sep 2018 18:40

Tgt Ion:240 Resp: 399285  
Ion Ratio Lower Upper  
240 100  
120 8.4 6.9 10.3  
236 26.4 21.2 31.8





#78

Terphenyl-d14

Concen: 79.176 ng

RT: 20.02 min Scan# 2848

Delta R.T. -0.01 min

Lab File: BG036825.D

Acq: 19 Sep 2018 18:40

Instrument :

BNA\_G

ClientSampleId :

NB-07-091818

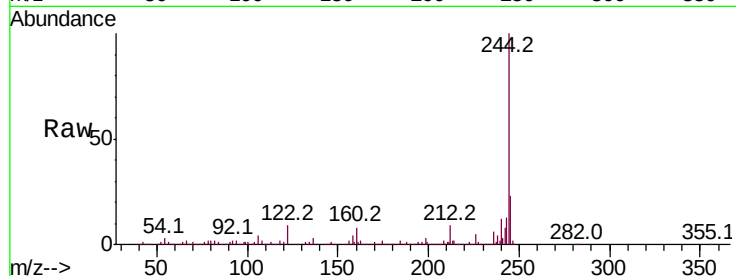
Tot Ion:244 Resp: 1352558

Ion Ratio Lower Upper

244 100

212 8.6 7.0 10.6

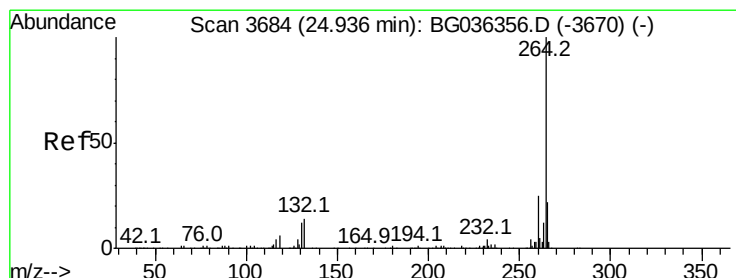
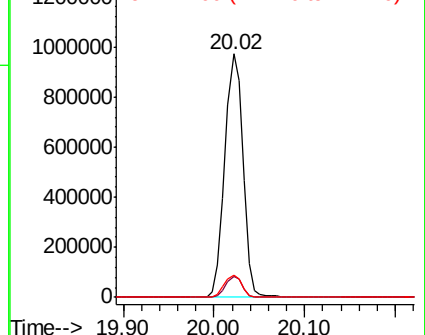
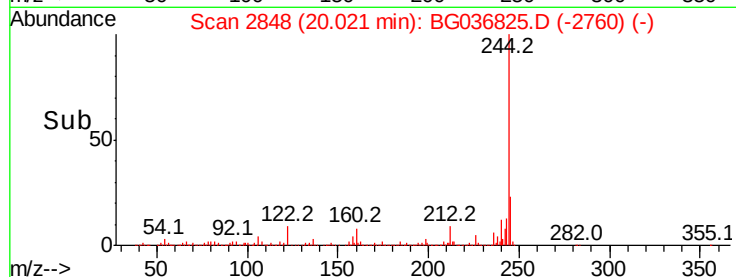
122 9.1 7.1 10.7



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.89 min Scan# 3676

Delta R.T. -0.02 min

Lab File: BG036825.D

Acq: 19 Sep 2018 18:40

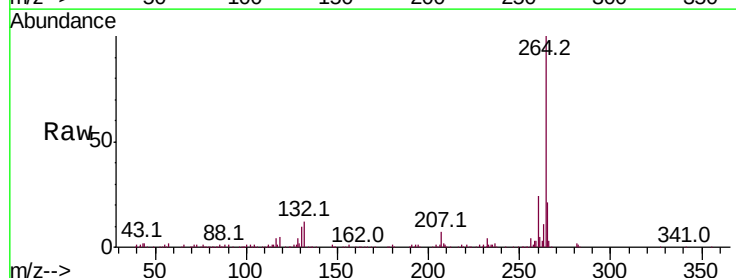
Tgt Ion:264 Resp: 370306

Ion Ratio Lower Upper

264 100

260 23.6 19.6 29.4

265 20.5 17.4 26.0



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

