

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080618\  
 Data File : BG036151.D  
 Acq On : 7 Aug 2018 7:14  
 Operator : JU/SJ  
 Sample : J4283-02  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TR-04-080318

Quant Time: Aug 07 08:53:41 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 31 12:30:06 2018  
 Response via : Initial Calibration

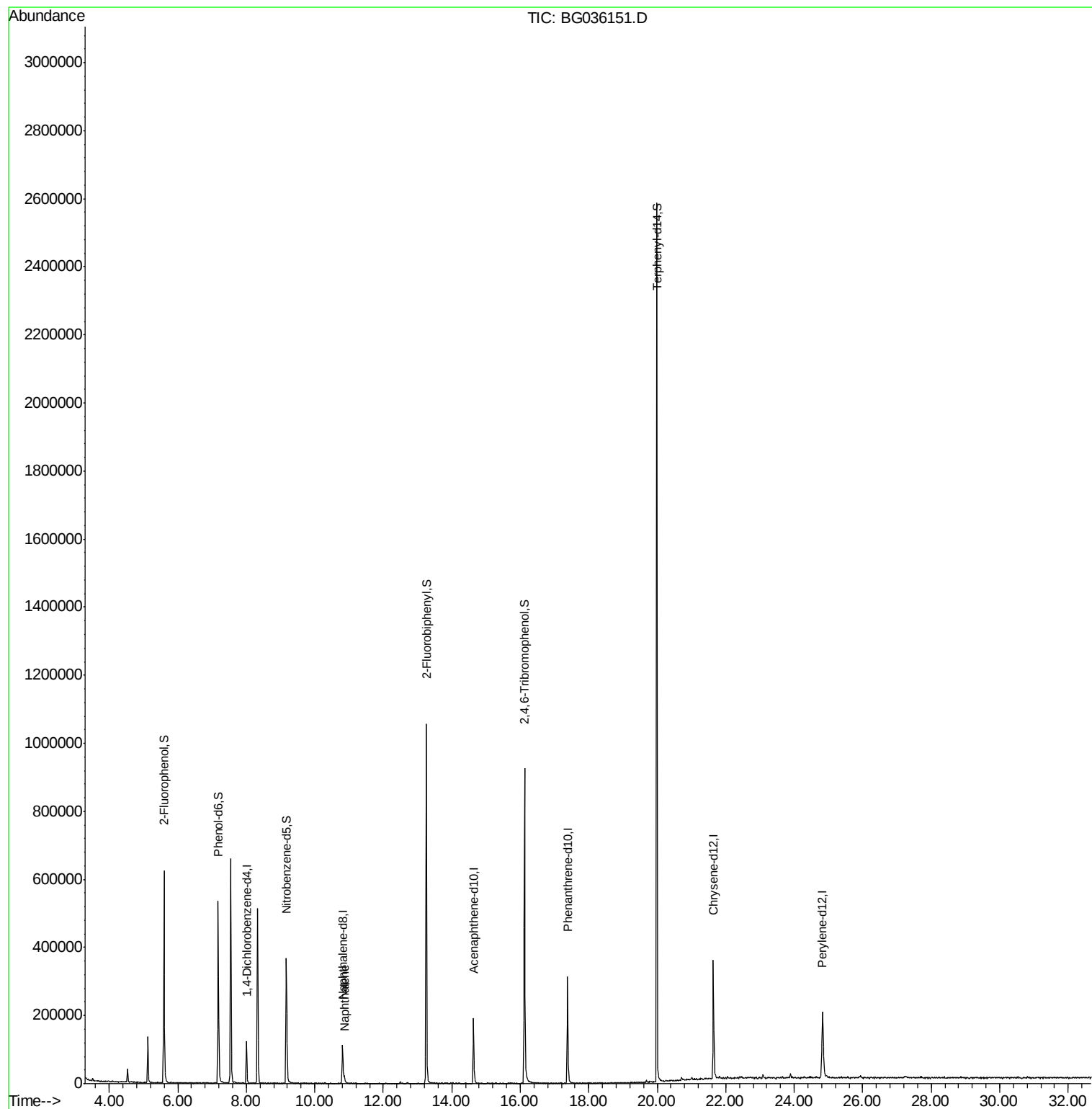
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.01  | 152  | 34191    | 20.00  | ng    | -0.01     |
| 21) Naphthalene-d8          | 10.81 | 136  | 116513   | 20.00  | ng    | -0.02     |
| 38) Acenaphthene-d10        | 14.64 | 164  | 76211    | 20.00  | ng    | -0.01     |
| 63) Phenanthrene-d10        | 17.38 | 188  | 231399   | 20.00  | ng    | -0.01     |
| 75) Chrysene-d12            | 21.64 | 240  | 257440   | 20.00  | ng    | -0.02     |
| 86) Perylene-d12            | 24.83 | 264  | 242463   | 20.00  | ng    | -0.03     |
| System Monitoring Compounds |       |      |          |        |       |           |
| 5) 2-Fluorophenol           | 5.60  | 112  | 271570   | 131.87 | ng    | 0.00      |
| 7) Phenol-d6                | 7.18  | 99   | 347203   | 113.00 | ng    | -0.01     |
| 23) Nitrobenzene-d5         | 9.17  | 82   | 273011   | 97.89  | ng    | -0.01     |
| 41) 2,4,6-Tribromophenol    | 16.12 | 330  | 187966   | 187.12 | ng    | -0.02     |
| 44) 2-Fluorobiphenyl        | 13.26 | 172  | 603620   | 106.11 | ng    | -0.02     |
| 78) Terphenyl-d14           | 19.99 | 244  | 1282640  | 109.82 | ng    | -0.01     |
| Target Compounds            |       |      |          |        |       |           |
| 31) Naphthalene             | 10.87 | 128  | 17366    | 2.861  | ng    | Qvalue 99 |

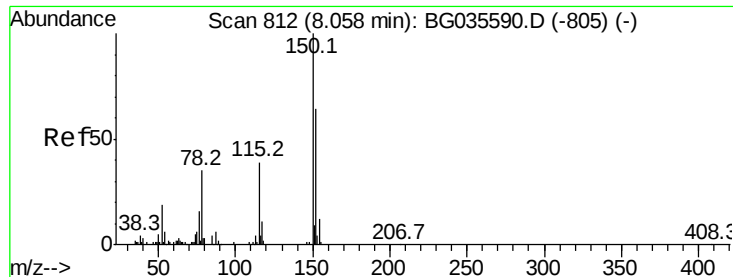
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.01 min Scan# 804

Delta R.T. -0.01 min

Lab File: BG036151.D

Acq: 7 Aug 2018 7:14

Instrument :

BNA\_G

ClientSampleId :

TR-04-080318

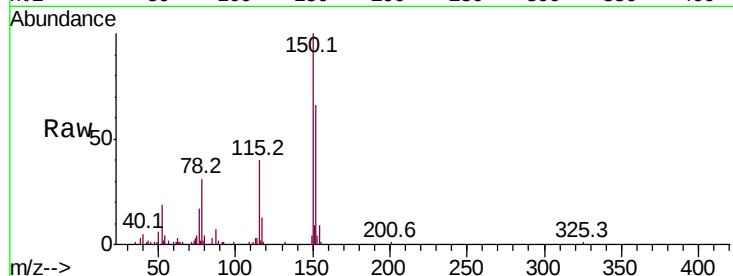
Tot Ion:152 Resp: 34191

Ion Ratio Lower Upper

152 100

150 151.1 126.6 189.8

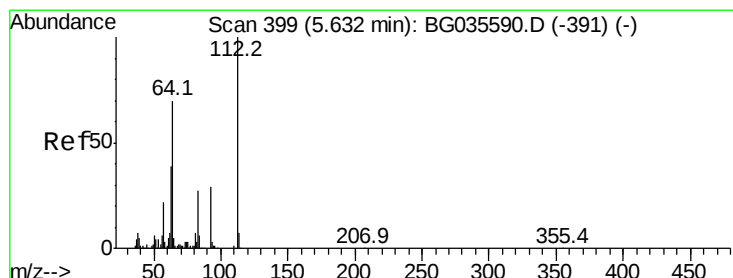
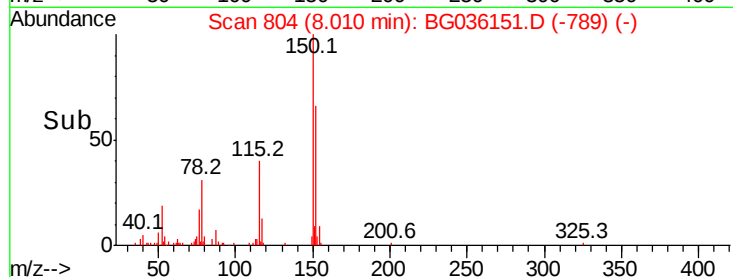
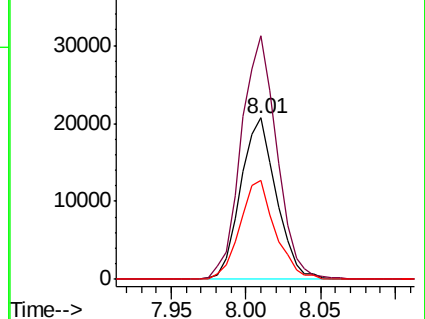
115 61.1 53.0 79.4



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: 131.868 ng

RT: 5.60 min Scan# 393

Delta R.T. -0.01 min

Lab File: BG036151.D

Acq: 7 Aug 2018 7:14

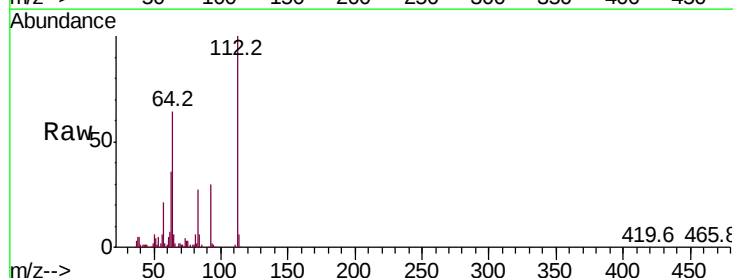
Tgt Ion:112 Resp: 271570

Ion Ratio Lower Upper

112 100

64 64.4 56.3 84.5

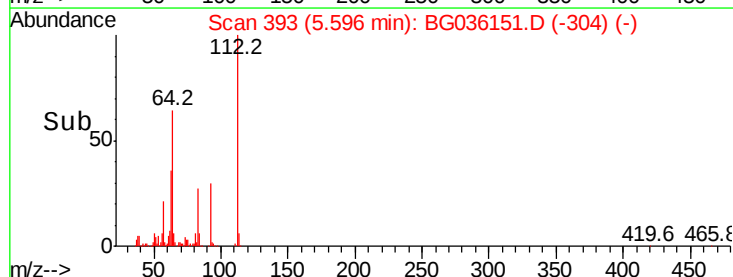
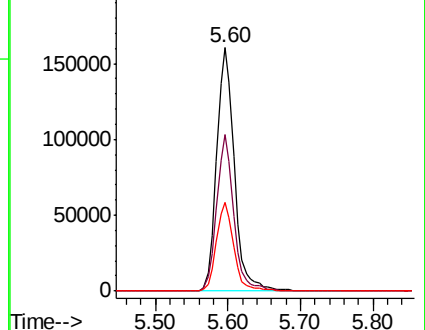
63 36.3 30.1 45.1

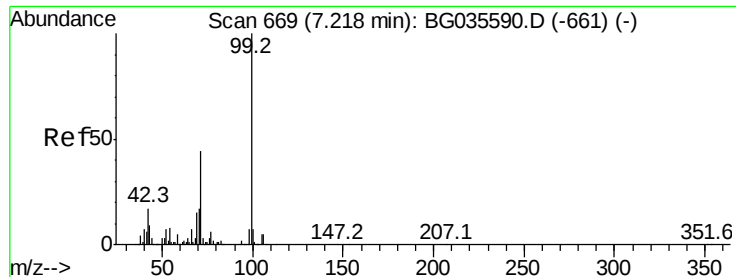


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 112.999 ng

RT: 7.18 min Scan# 663

Delta R.T. -0.01 min

Lab File: BG036151.D

Acq: 7 Aug 2018 7:14

Instrument :

BNA\_G

ClientSampleId :

TR-04-080318

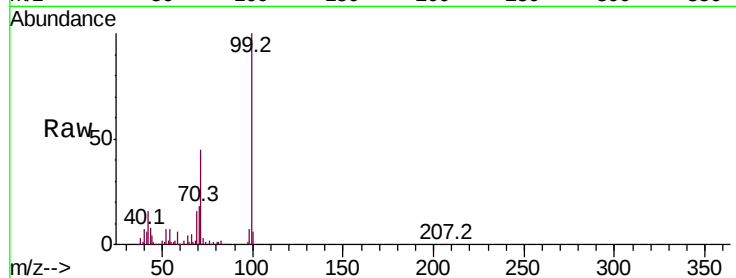
Tot Ion: 99 Resp: 347203

Ion Ratio Lower Upper

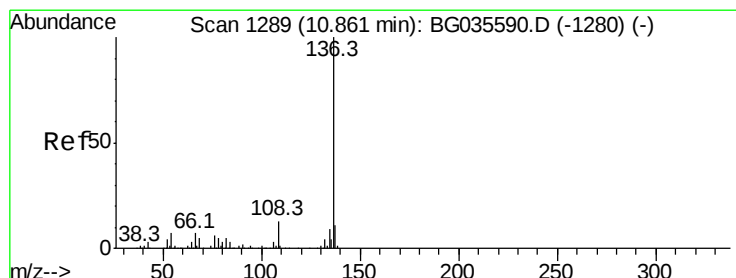
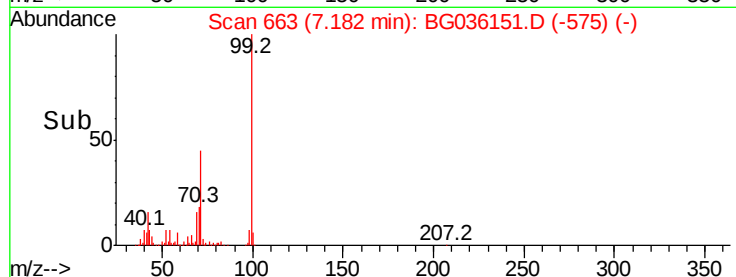
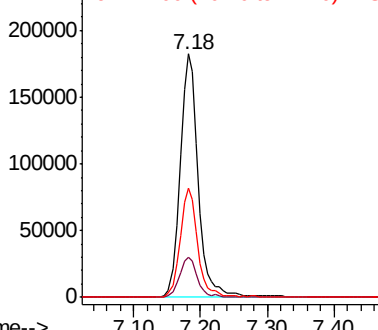
99 100

42 16.4 14.1 21.1

71 44.8 26.1 39.1#



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: 10.81 min Scan# 1281

Delta R.T. -0.02 min

Lab File: BG036151.D

Acq: 7 Aug 2018 7:14

Tgt Ion: 136 Resp: 116513

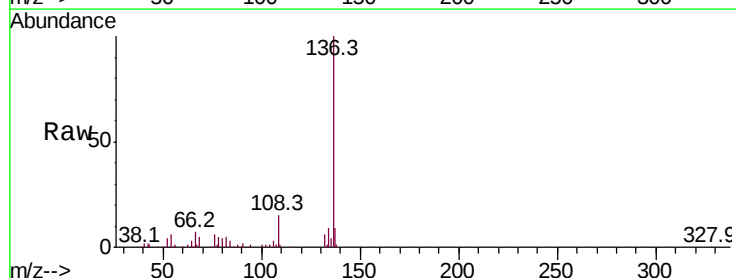
Ion Ratio Lower Upper

136 100

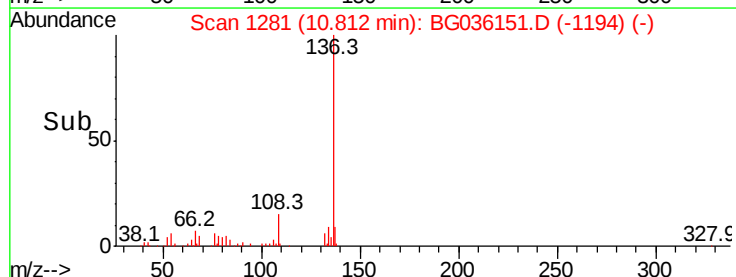
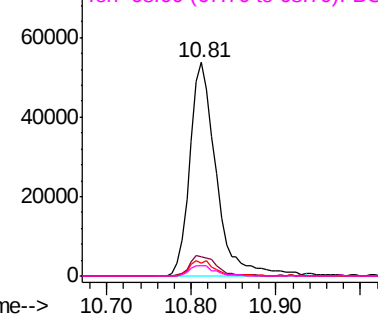
137 9.1 9.2 13.8#

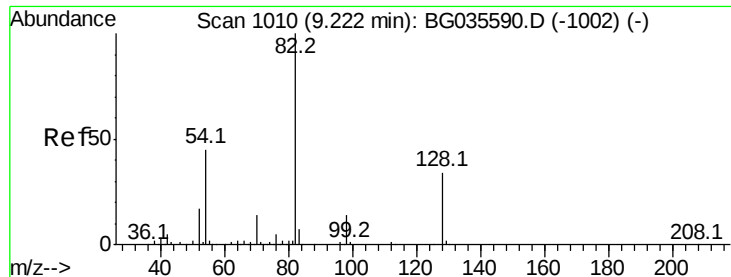
54 6.1 10.3 15.5#

68 4.7 4.5 6.7



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

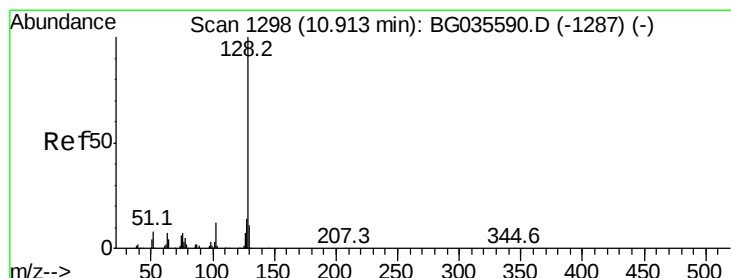
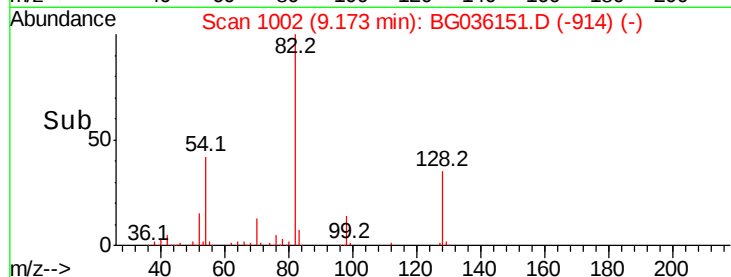
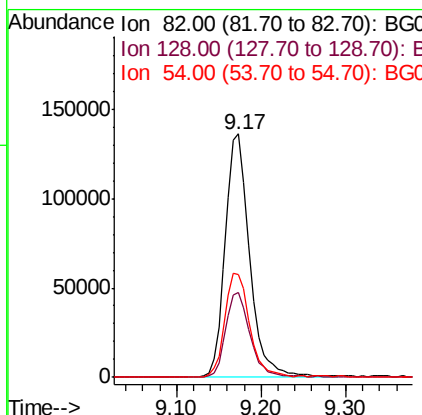
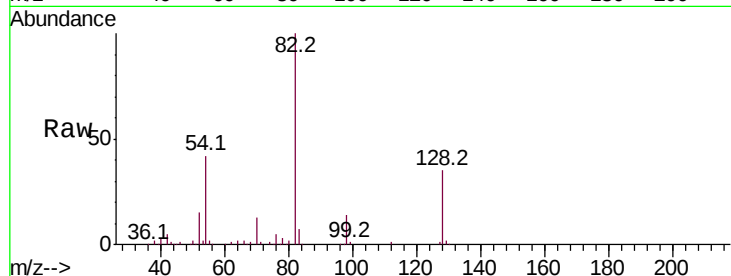




#23  
 Nitrobenzene-d5  
 Concen: 97.886 ng  
 RT: 9.17 min Scan# 1002  
 Delta R.T. -0.01 min  
 Lab File: BG036151.D  
 Acq: 7 Aug 2018 7:14

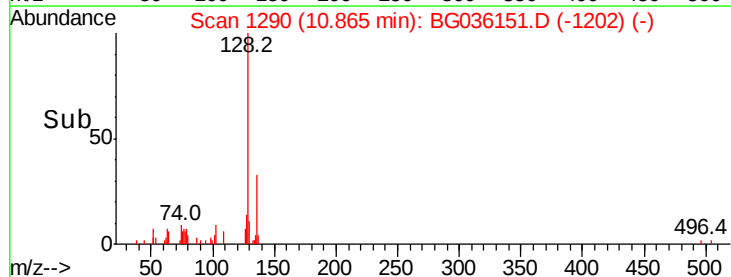
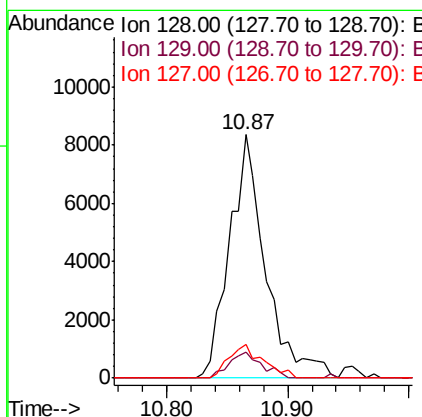
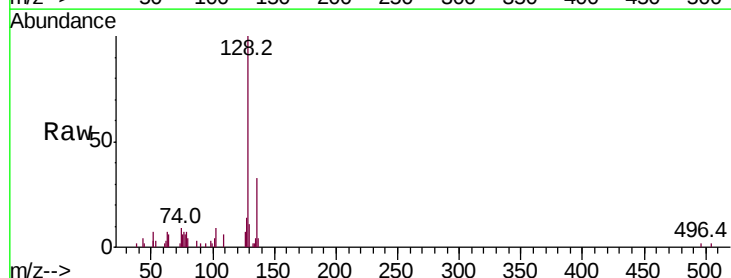
Instrument :  
 BNA\_G  
 ClientSampleId :  
 TR-04-080318

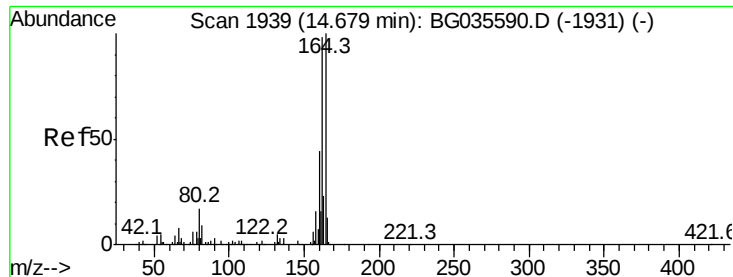
Tot Ion: 82 Resp: 273011  
 Ion Ratio Lower Upper  
 82 100  
 128 34.8 29.7 44.5  
 54 42.0 43.1 64.7#



#31  
 Naphthalene  
 Concen: 2.861 ng  
 RT: 10.87 min Scan# 1290  
 Delta R.T. -0.01 min  
 Lab File: BG036151.D  
 Acq: 7 Aug 2018 7:14

Tgt Ion:128 Resp: 17366  
 Ion Ratio Lower Upper  
 128 100  
 129 10.5 8.6 12.8  
 127 13.7 11.6 17.4





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.64 min Scan# 1932

Delta R.T. -0.01 min

Lab File: BG036151.D

Acq: 7 Aug 2018 7:14

Instrument :

BNA\_G

ClientSampleId :

TR-04-080318

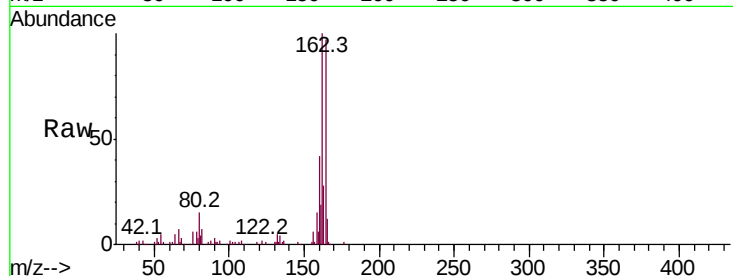
Tot Ion:164 Resp: 76211

Ion Ratio Lower Upper

164 100

162 102.8 78.8 118.2

160 42.7 35.4 53.0

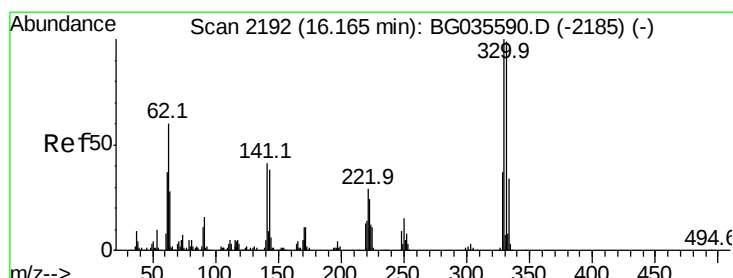
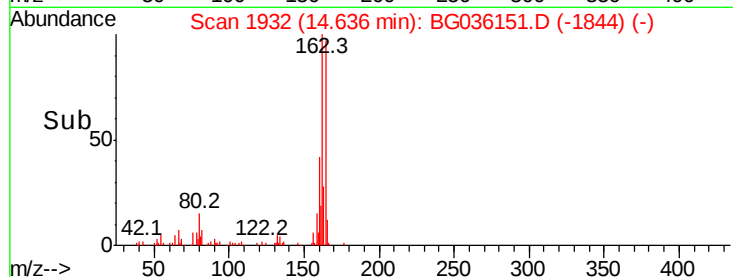
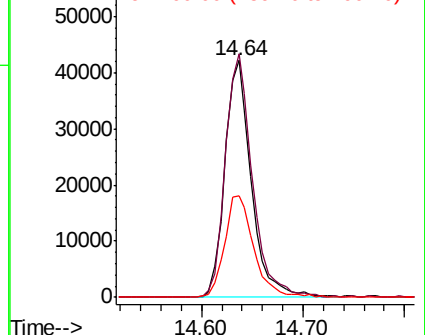


Abundance

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



#41

2,4,6-Tribromophenol

Concen: 187.122 ng

RT: 16.12 min Scan# 2185

Delta R.T. -0.02 min

Lab File: BG036151.D

Acq: 7 Aug 2018 7:14

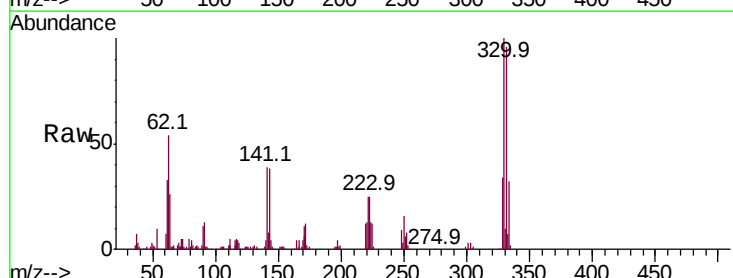
Tgt Ion:330 Resp: 187966

Ion Ratio Lower Upper

330 100

332 96.0 77.0 115.6

141 38.7 25.2 37.8#

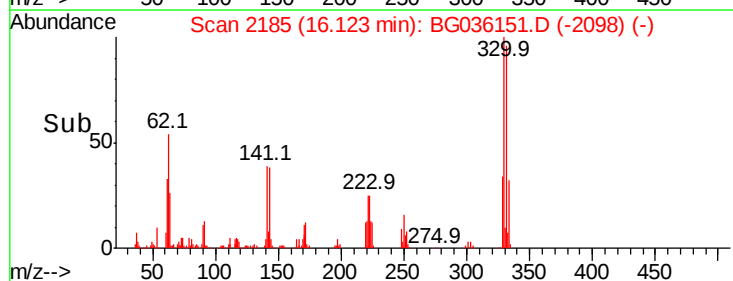
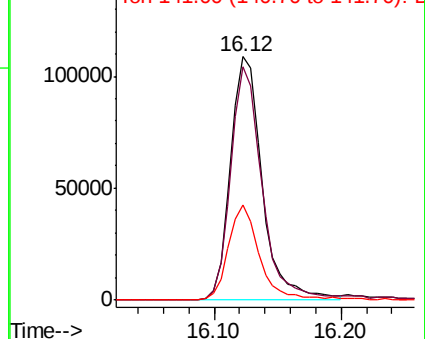


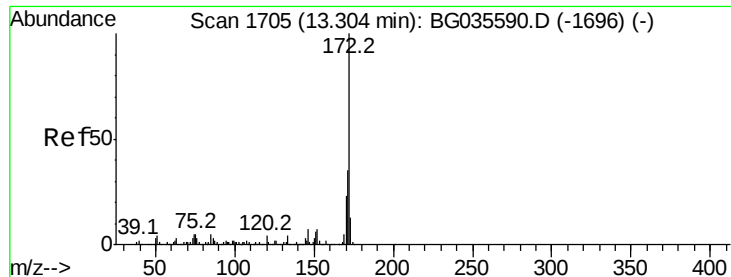
Abundance

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

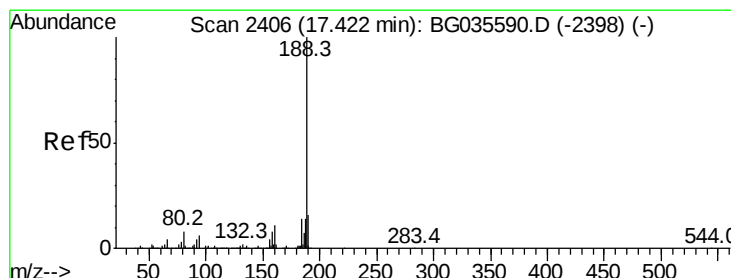
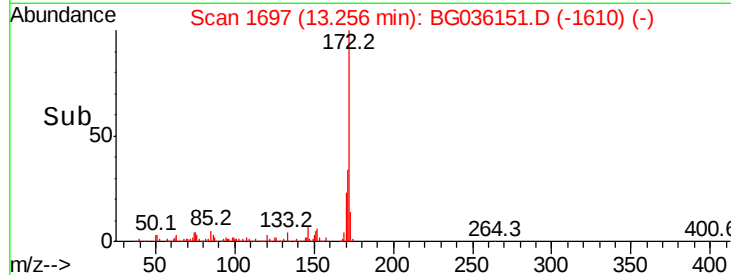
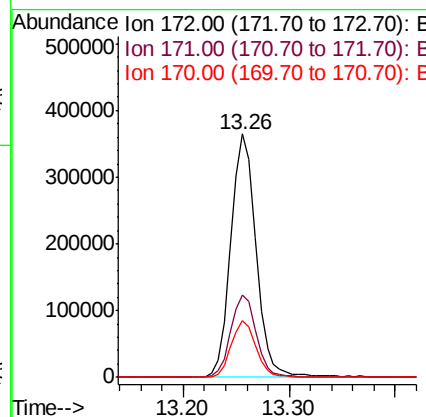
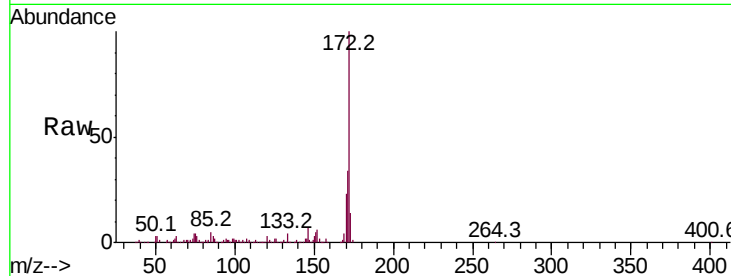




#44  
2-Fluorobiphenyl  
Concen: 106.113 ng  
RT: 13.26 min Scan# 1697  
Delta R.T. -0.02 min  
Lab File: BG036151.D  
Acq: 7 Aug 2018 7:14

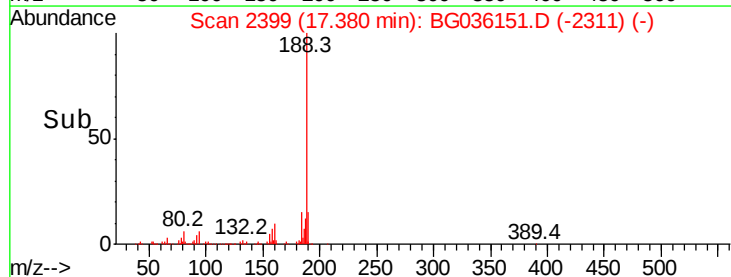
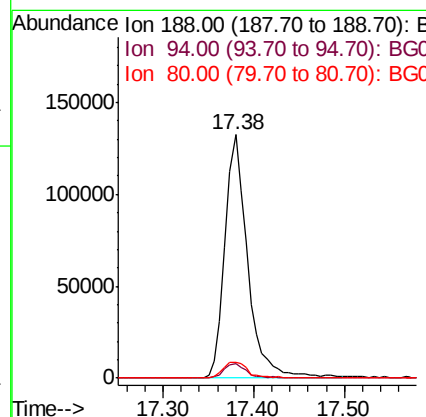
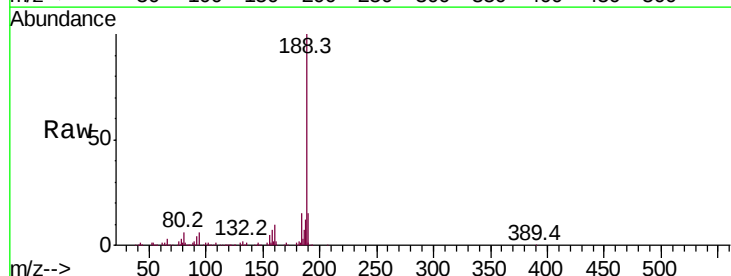
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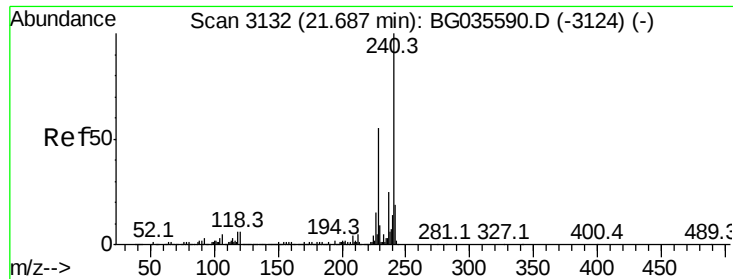
Tot Ion:172 Resp: 603620  
Ion Ratio Lower Upper  
172 100  
171 34.1 30.0 45.0  
170 23.2 19.5 29.3



#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.38 min Scan# 2399  
Delta R.T. -0.01 min  
Lab File: BG036151.D  
Acq: 7 Aug 2018 7:14

Tgt Ion:188 Resp: 231399  
Ion Ratio Lower Upper  
188 100  
94 5.8 6.9 10.3#  
80 6.4 7.7 11.5#

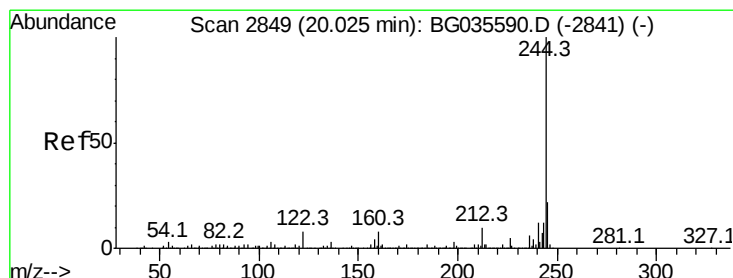
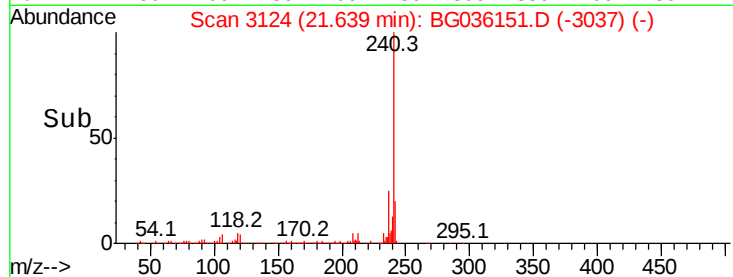
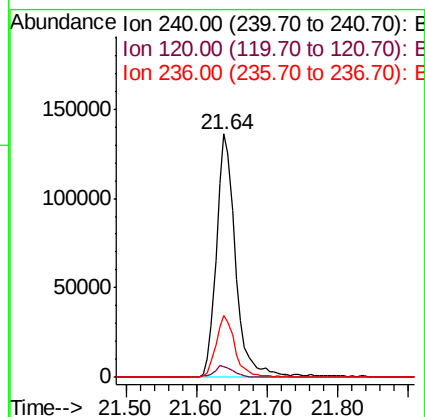
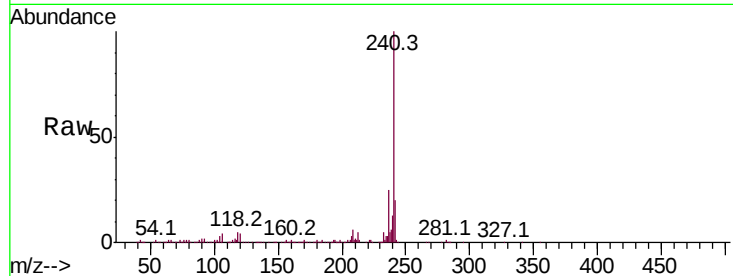




#75  
 Chrvsene-d12  
 Concen: 20.000 ng  
 RT: 21.64 min Scan# 3124  
 Delta R.T. -0.02 min  
 Lab File: BG036151.D  
 Acq: 7 Aug 2018 7:14

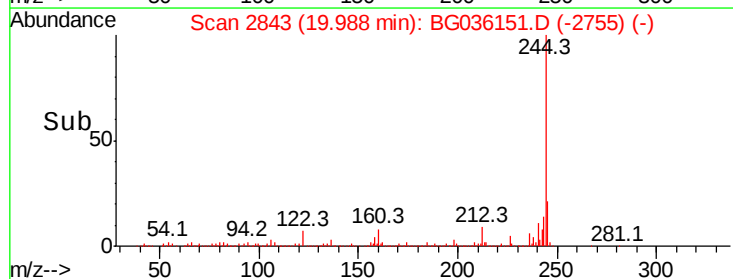
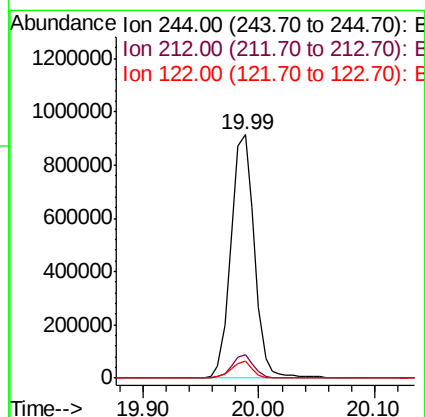
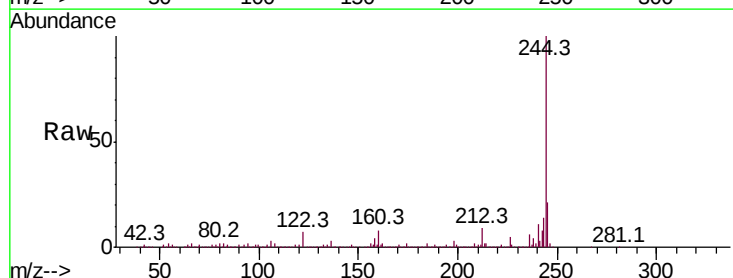
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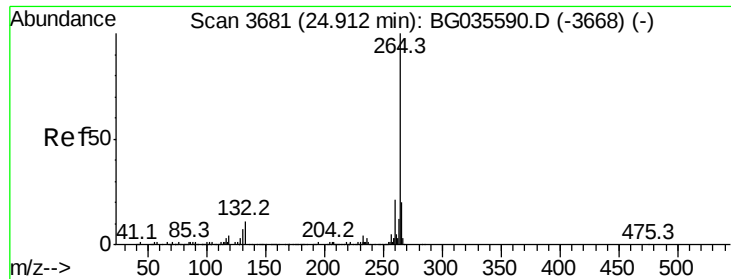
Tot Ion:240 Resp: 257440  
 Ion Ratio Lower Upper  
 240 100  
 120 4.5 6.8 10.2#  
 236 25.2 20.9 31.3



#78  
 Terphenyl-d14  
 Concen: 109.825 ng  
 RT: 19.99 min Scan# 2843  
 Delta R.T. -0.01 min  
 Lab File: BG036151.D  
 Acq: 7 Aug 2018 7:14

Tgt Ion:244 Resp: 1282640  
 Ion Ratio Lower Upper  
 244 100  
 212 9.5 5.8 8.8#  
 122 6.8 7.0 10.4#





#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 24.83 min Scan# 3667  
Delta R.T. -0.03 min  
Lab File: BG036151.D  
Acq: 7 Aug 2018 7:14

Instrument :  
BNA\_G  
ClientSampleId :  
TR-04-080318

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.2  | 17.4  | 26.0  |
| 265     | 21.5  | 17.7  | 26.5  |

