

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070218\  
 Data File : BG035555.D  
 Acq On : 2 Jul 2018 17:41  
 Operator : JU/SJ  
 Sample : J3252-06  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TR-04-062918

Quant Time: Jul 03 07:59:56 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG060718.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 08 17:16:28 2018  
 Response via : Initial Calibration

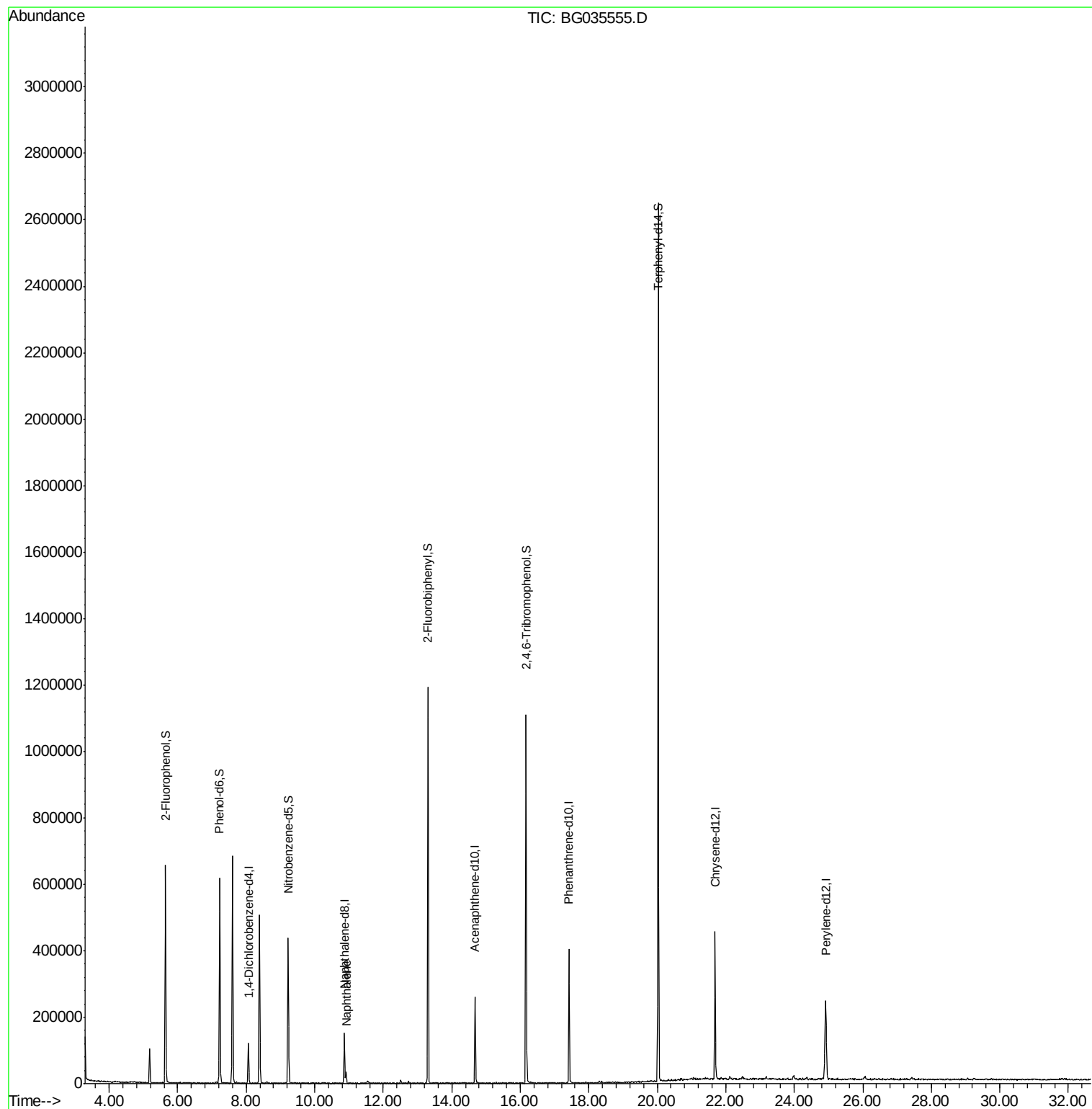
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.07  | 152  | 34378    | 20.00  | ng    | 0.00           |
| 21) Naphthalene-d8          | 10.87 | 136  | 124884   | 20.00  | ng    | -0.02          |
| 38) Acenaphthene-d10        | 14.68 | 164  | 86769    | 20.00  | ng    | -0.02          |
| 63) Phenanthrene-d10        | 17.42 | 188  | 246602   | 20.00  | ng    | -0.02          |
| 75) Chrysene-d12            | 21.69 | 240  | 277530   | 20.00  | ng    | -0.03          |
| 86) Perylene-d12            | 24.91 | 264  | 265763   | 20.00  | ng    | -0.04          |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 5.65  | 112  | 283301   | 139.07 | ng    | 0.00           |
| 7) Phenol-d6                | 7.23  | 99   | 364387   | 121.20 | ng    | 0.00           |
| 23) Nitrobenzene-d5         | 9.22  | 82   | 289094   | 110.04 | ng    | -0.02          |
| 41) 2,4,6-Tribromophenol    | 16.17 | 330  | 215650   | 194.15 | ng    | -0.02          |
| 44) 2-Fluorobiphenyl        | 13.31 | 172  | 649835   | 97.36  | ng    | -0.02          |
| 78) Terphenyl-d14           | 20.03 | 244  | 1335124  | 100.77 | ng    | -0.02          |
| Target Compounds            |       |      |          |        |       |                |
| 31) Naphthalene             | 10.92 | 128  | 28472    | 4.389  | ng    | Qvalue<br># 95 |

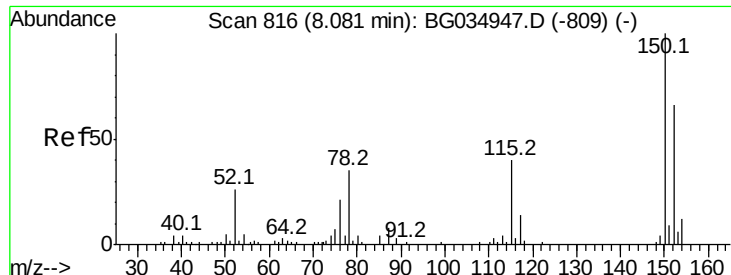
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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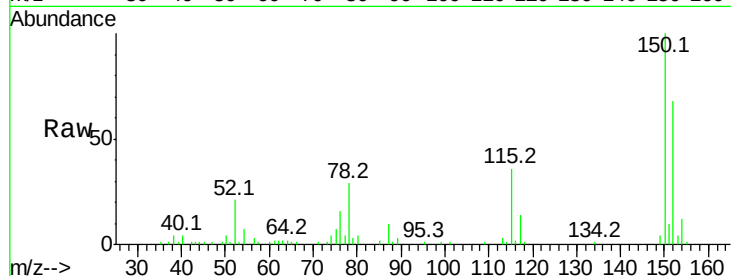


#1

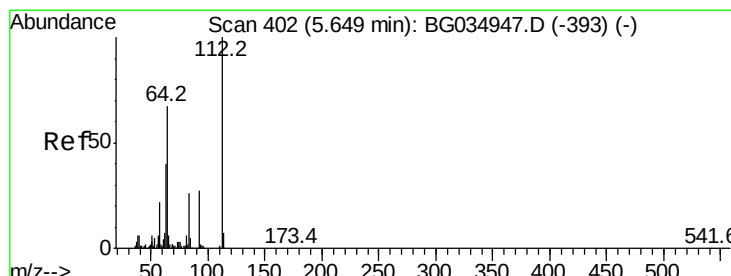
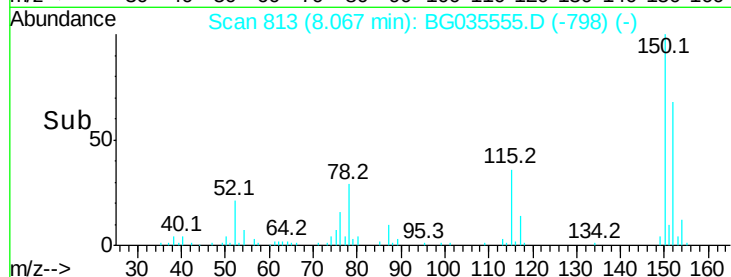
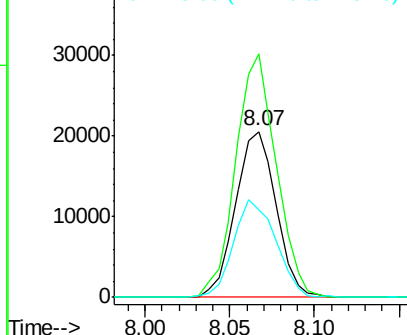
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.07 min Scan# 813  
Delta R.T. -0.01 min  
Lab File: BG035555.D  
Acq: 2 Jul 2018 17:41

Instrument :  
BNA\_G  
ClientSampleId :  
TR-04-062918

Tot Ion:152 Resp: 34378  
Ion Ratio Lower Upper  
152 100  
150 147.0 126.6 189.8  
115 53.1 53.0 79.4



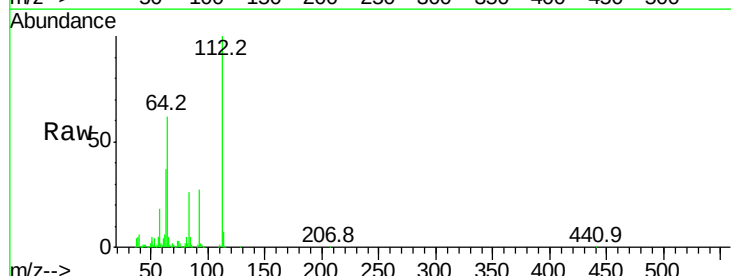
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



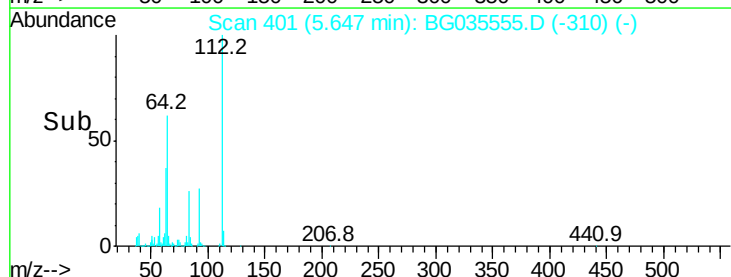
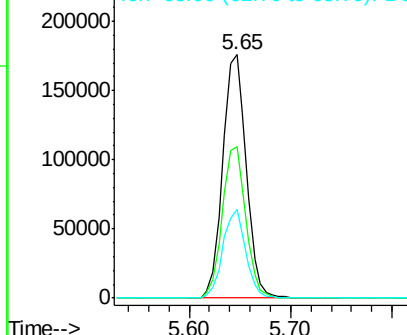
#5

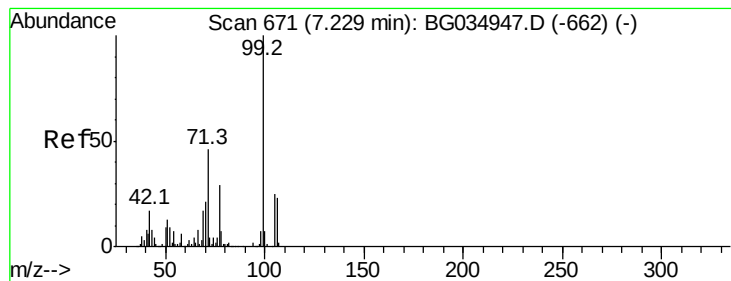
2-Fluorophenol  
Concen: 139.072 ng  
RT: 5.65 min Scan# 401  
Delta R.T. 0.00 min  
Lab File: BG035555.D  
Acq: 2 Jul 2018 17:41

Tgt Ion:112 Resp: 283301  
Ion Ratio Lower Upper  
112 100  
64 62.4 56.3 84.5  
63 36.7 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BG0  
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 121.195 ng

RT: 7.23 min Scan# 670

Delta R.T. 0.00 min

Lab File: BG035555.D

Acq: 2 Jul 2018 17:41

Instrument :

BNA\_G

ClientSampleId :

TR-04-062918

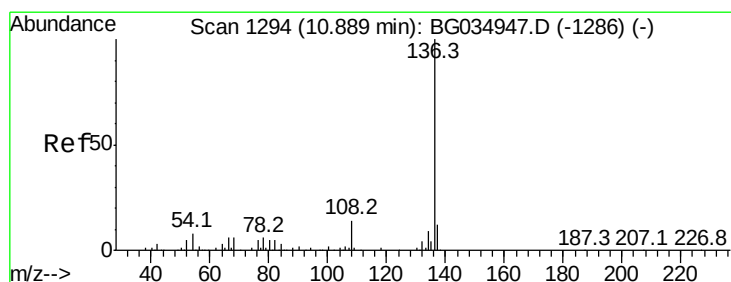
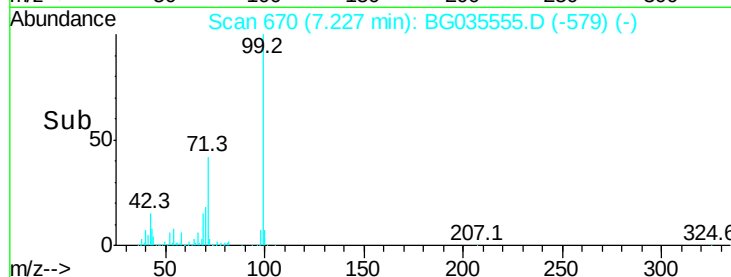
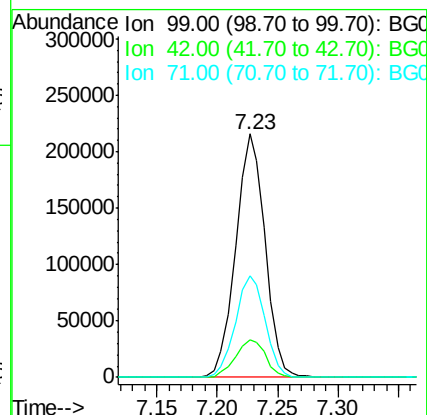
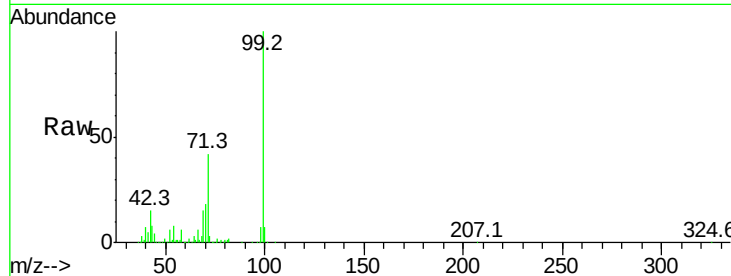
Tot Ion: 99 Resp: 364387

Ion Ratio Lower Upper

99 100

42 15.2 14.1 21.1

71 41.8 26.1 39.1#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.87 min Scan# 1290

Delta R.T. -0.02 min

Lab File: BG035555.D

Acq: 2 Jul 2018 17:41

Tgt Ion: 136 Resp: 124884

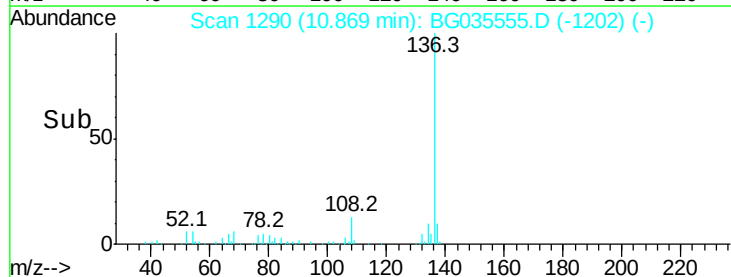
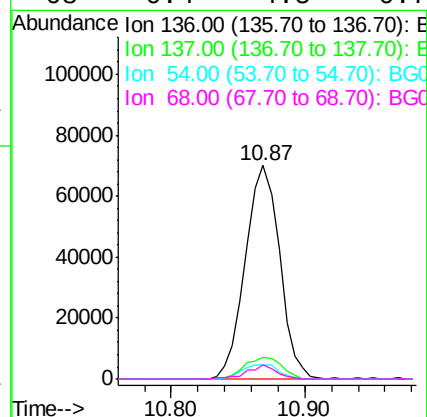
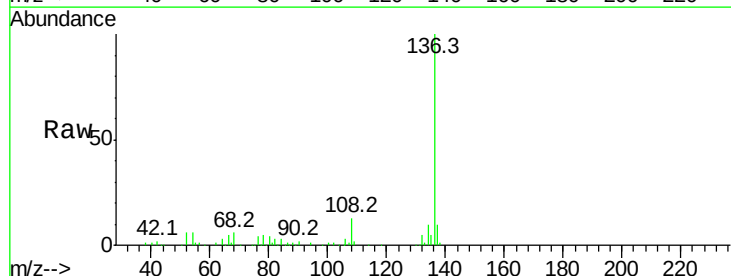
Ion Ratio Lower Upper

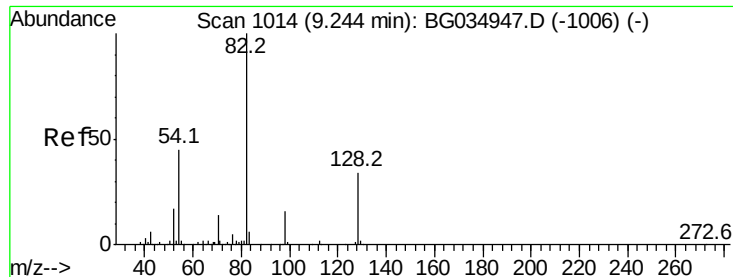
136 100

137 10.5 9.2 13.8

54 6.4 10.3 15.5#

68 6.4 4.5 6.7





#23

Nitrobenzene-d5

Concen: 110.037 ng

RT: 9.22 min Scan# 1010

Delta R.T. -0.02 min

Lab File: BG035555.D

Acq: 2 Jul 2018 17:41

Instrument :

BNA\_G

ClientSampleId :

TR-04-062918

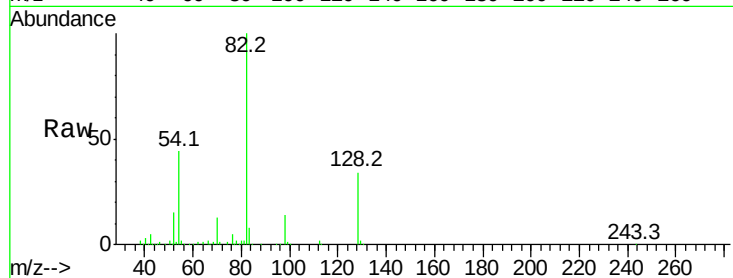
Tot Ion: 82 Resp: 289094

Ion Ratio Lower Upper

82 100

128 33.7 29.7 44.5

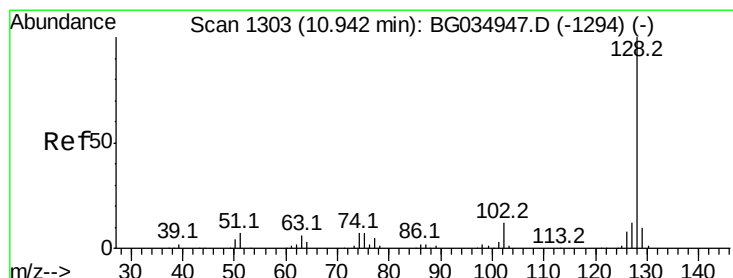
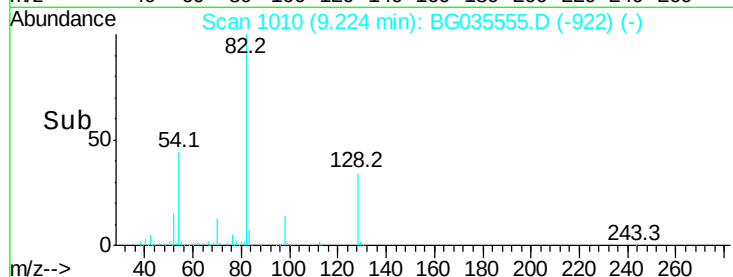
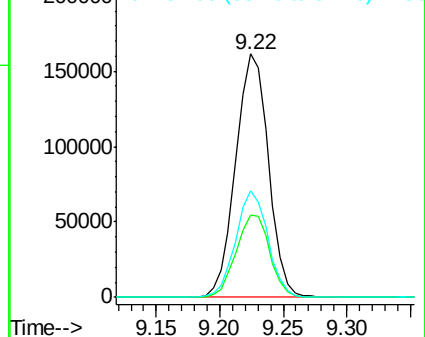
54 43.6 43.1 64.7



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



#31

Naphthalene

Concen: 4.389 ng

RT: 10.92 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BG035555.D

Acq: 2 Jul 2018 17:41

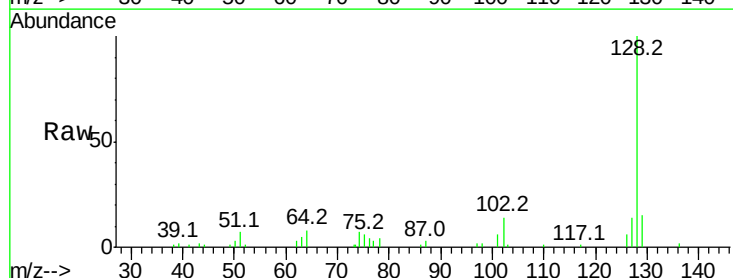
Tgt Ion:128 Resp: 28472

Ion Ratio Lower Upper

128 100

129 14.9 8.6 12.8#

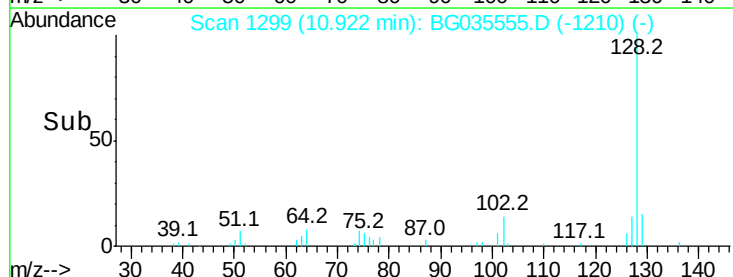
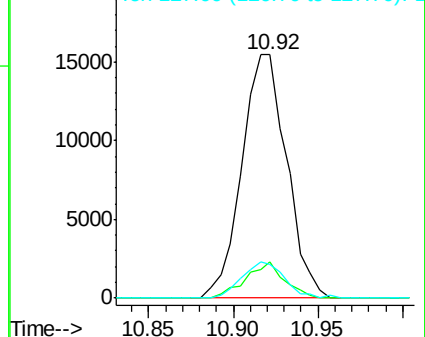
127 14.0 11.6 17.4

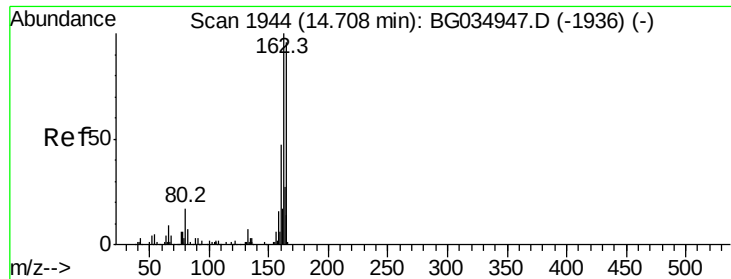


Abundance Ion 128.00 (127.70 to 128.70): BGC

Ion 129.00 (128.70 to 129.70): BGC

Ion 127.00 (126.70 to 127.70): BGC

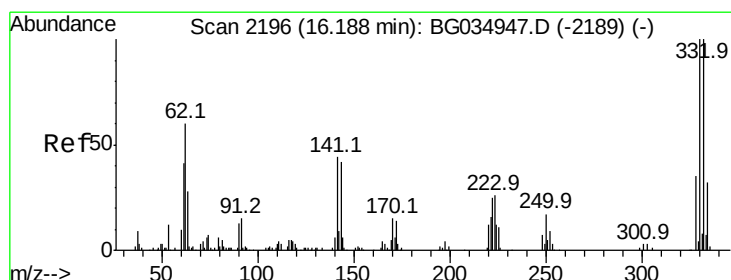
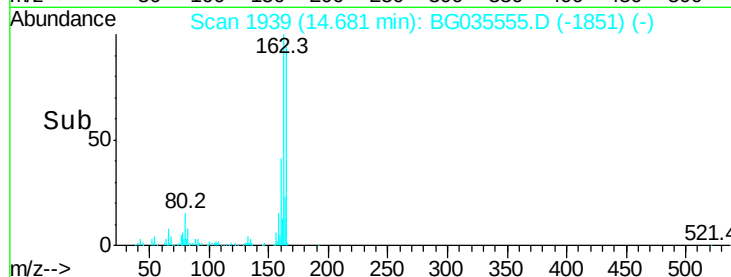
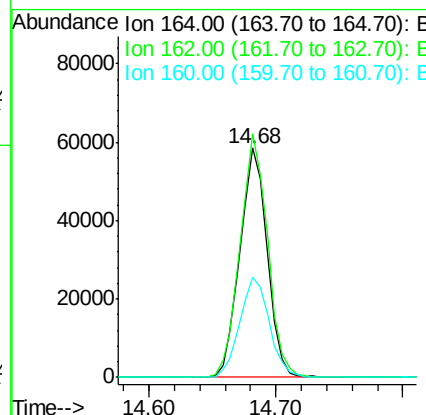
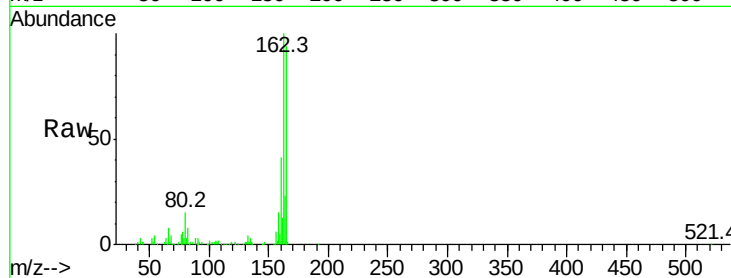




#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.68 min Scan# 1939  
Delta R.T. -0.02 min  
Lab File: BG035555.D  
Acq: 2 Jul 2018 17:41

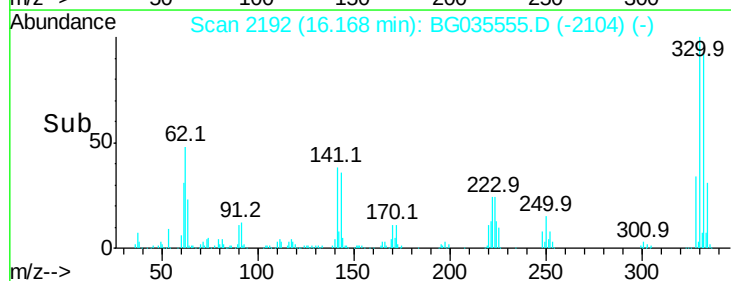
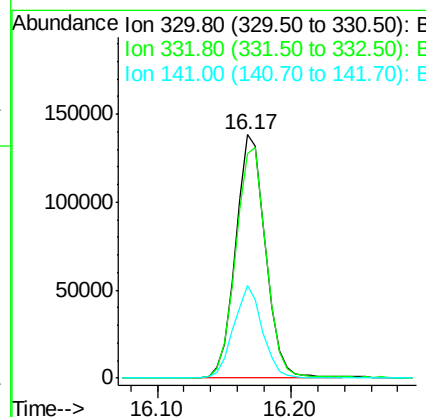
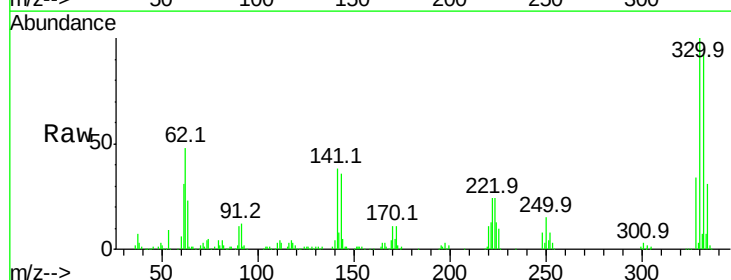
Instrument :  
BNA\_G  
ClientSampleId :  
TR-04-062918

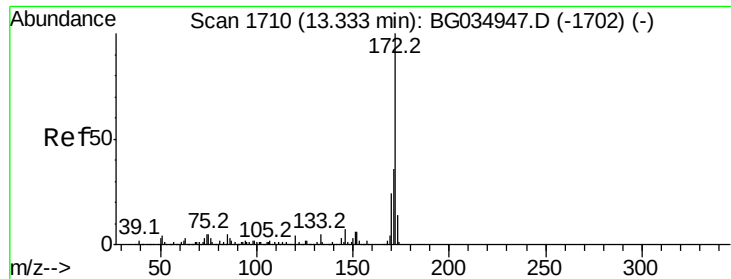
Tot Ion:164 Resp: 86769  
Ion Ratio Lower Upper  
164 100  
162 106.3 78.8 118.2  
160 43.9 35.4 53.0



#41  
2,4,6-Tribromophenol  
Concen: 194.148 ng  
RT: 16.17 min Scan# 2192  
Delta R.T. -0.02 min  
Lab File: BG035555.D  
Acq: 2 Jul 2018 17:41

Tgt Ion:330 Resp: 215650  
Ion Ratio Lower Upper  
330 100  
332 96.3 77.0 115.6  
141 36.9 25.2 37.8

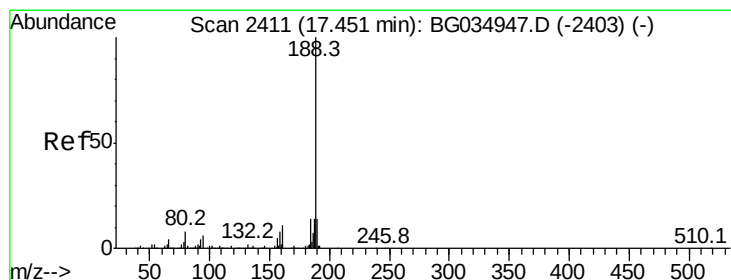
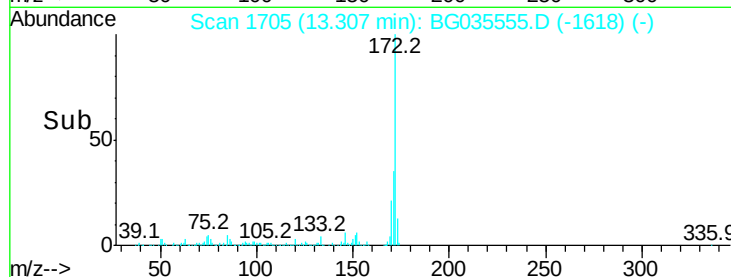
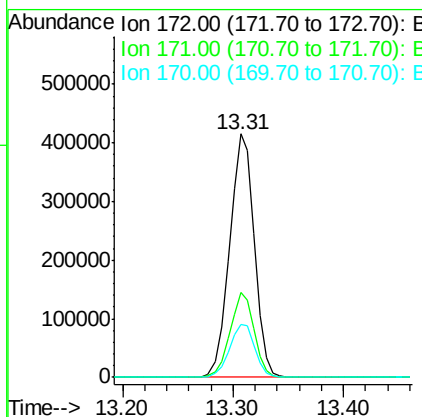
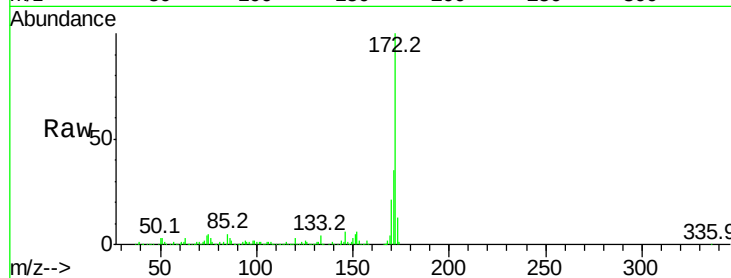




#44  
 2-Fluorobiphenyl  
 Concen: 97.360 ng  
 RT: 13.31 min Scan# 1705  
 Delta R.T. -0.02 min  
 Lab File: BG035555.D  
 Acq: 2 Jul 2018 17:41

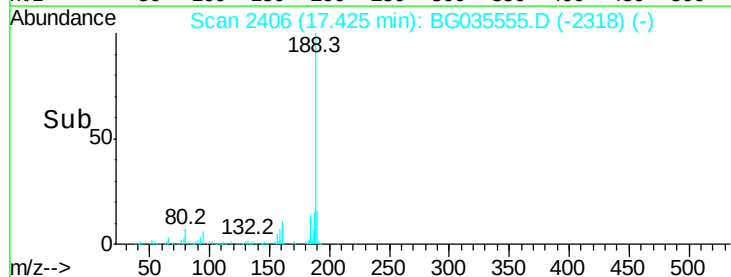
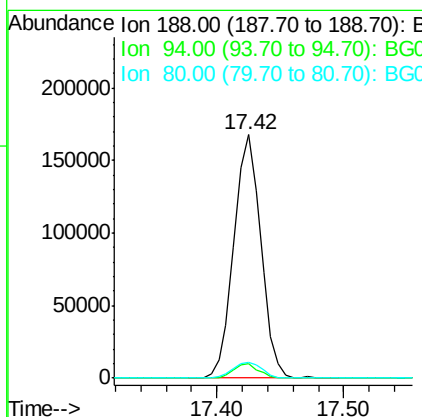
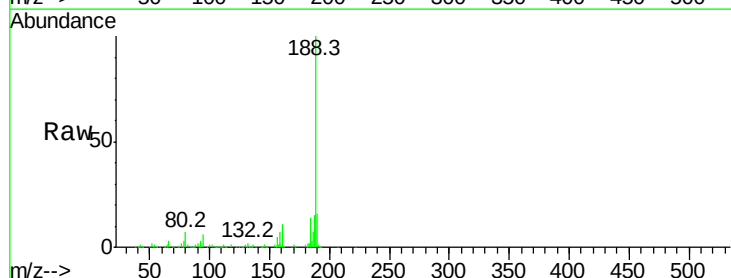
Instrument :  
 BNA\_G  
 ClientSampleId :  
 TR-04-062918

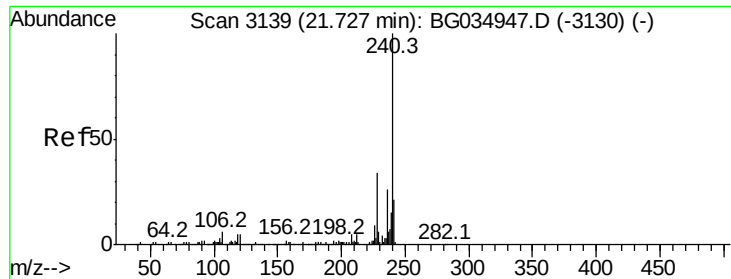
Tot Ion:172 Resp: 649835  
 Ion Ratio Lower Upper  
 172 100  
 171 34.8 30.0 45.0  
 170 21.5 19.5 29.3



#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.42 min Scan# 2406  
 Delta R.T. -0.02 min  
 Lab File: BG035555.D  
 Acq: 2 Jul 2018 17:41

Tgt Ion:188 Resp: 246602  
 Ion Ratio Lower Upper  
 188 100  
 94 5.9 6.9 10.3#  
 80 6.5 7.7 11.5#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.69 min Scan# 3132

Delta R.T. -0.03 min

Lab File: BG035555.D

Acq: 2 Jul 2018 17:41

Instrument :

BNA\_G

ClientSampleId :

TR-04-062918

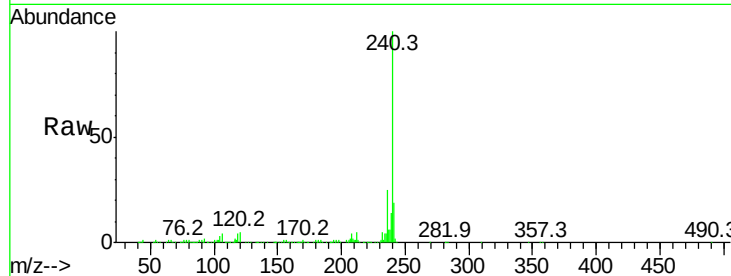
Tot Ion:240 Resp: 277530

Ion Ratio Lower Upper

240 100

120 5.0 6.8 10.2#

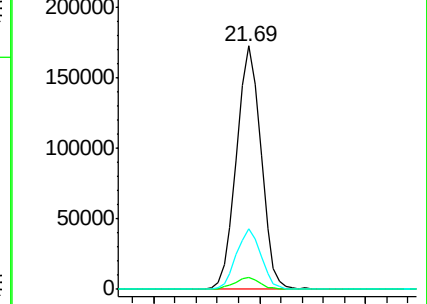
236 25.1 20.9 31.3



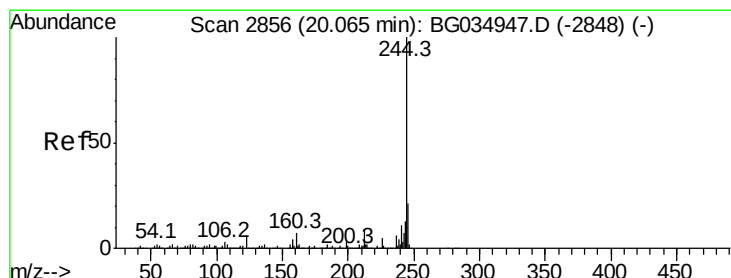
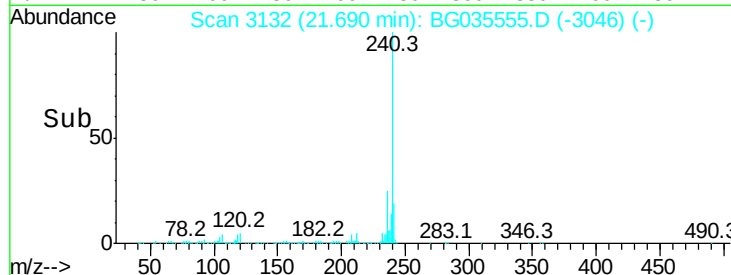
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#78

Terphenyl-d14

Concen: 100.769 ng

RT: 20.03 min Scan# 2850

Delta R.T. -0.02 min

Lab File: BG035555.D

Acq: 2 Jul 2018 17:41

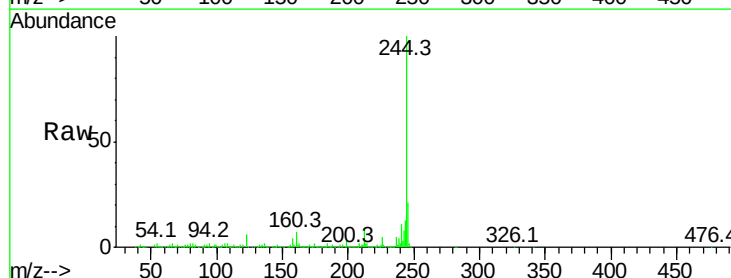
Tgt Ion:244 Resp: 1335124

Ion Ratio Lower Upper

244 100

212 9.0 5.8 8.8#

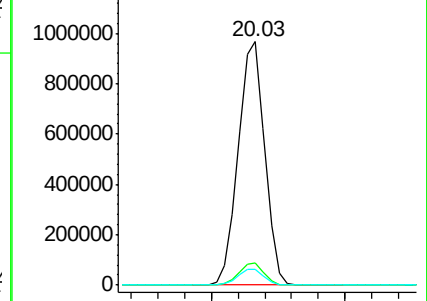
122 6.3 7.0 10.4#



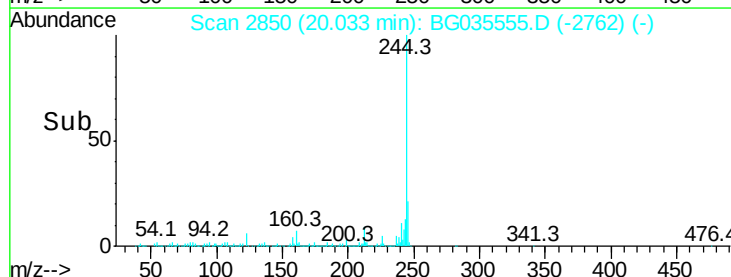
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

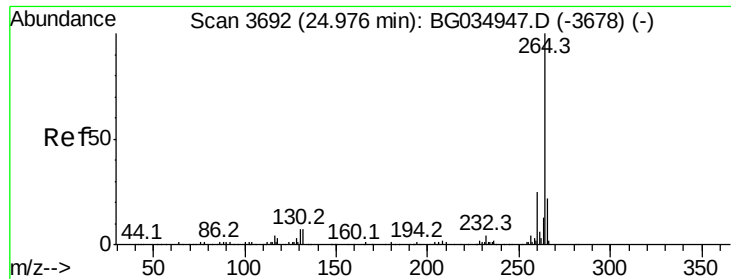
Ion 122.00 (121.70 to 122.70): E



Time-->







#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 24.91 min Scan# 3681  
Delta R.T. -0.04 min  
Lab File: BG035555.D  
Acq: 2 Jul 2018 17:41

Instrument :  
BNA\_G  
ClientSampleId :  
TR-04-062918

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.1  | 17.4  | 26.0  |
| 265     | 22.2  | 17.7  | 26.5  |

