

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG091417\  
 Data File : BG028744.D  
 Acq On : 14 Sep 2017 22:40  
 Operator : SJ/JU  
 Sample : PB102326BL  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Sep 15 07:52:46 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 12 16:57:11 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.33  | 152  | 25709    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 11.15 | 136  | 100961   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.94 | 164  | 69736    | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.69 | 188  | 212755   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12            | 22.02 | 240  | 267925   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12            | 25.52 | 264  | 267610   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.90  | 112  | 149531   | 95.97 | ng    | 0.00     |
| 7) Phenol-d6                | 7.48  | 99   | 195870   | 83.50 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.50  | 82   | 186838   | 88.53 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.43 | 330  | 69917    | 60.62 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.56 | 172  | 496836   | 95.00 | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.28 | 244  | 1114496  | 88.71 | ng    | 0.00     |

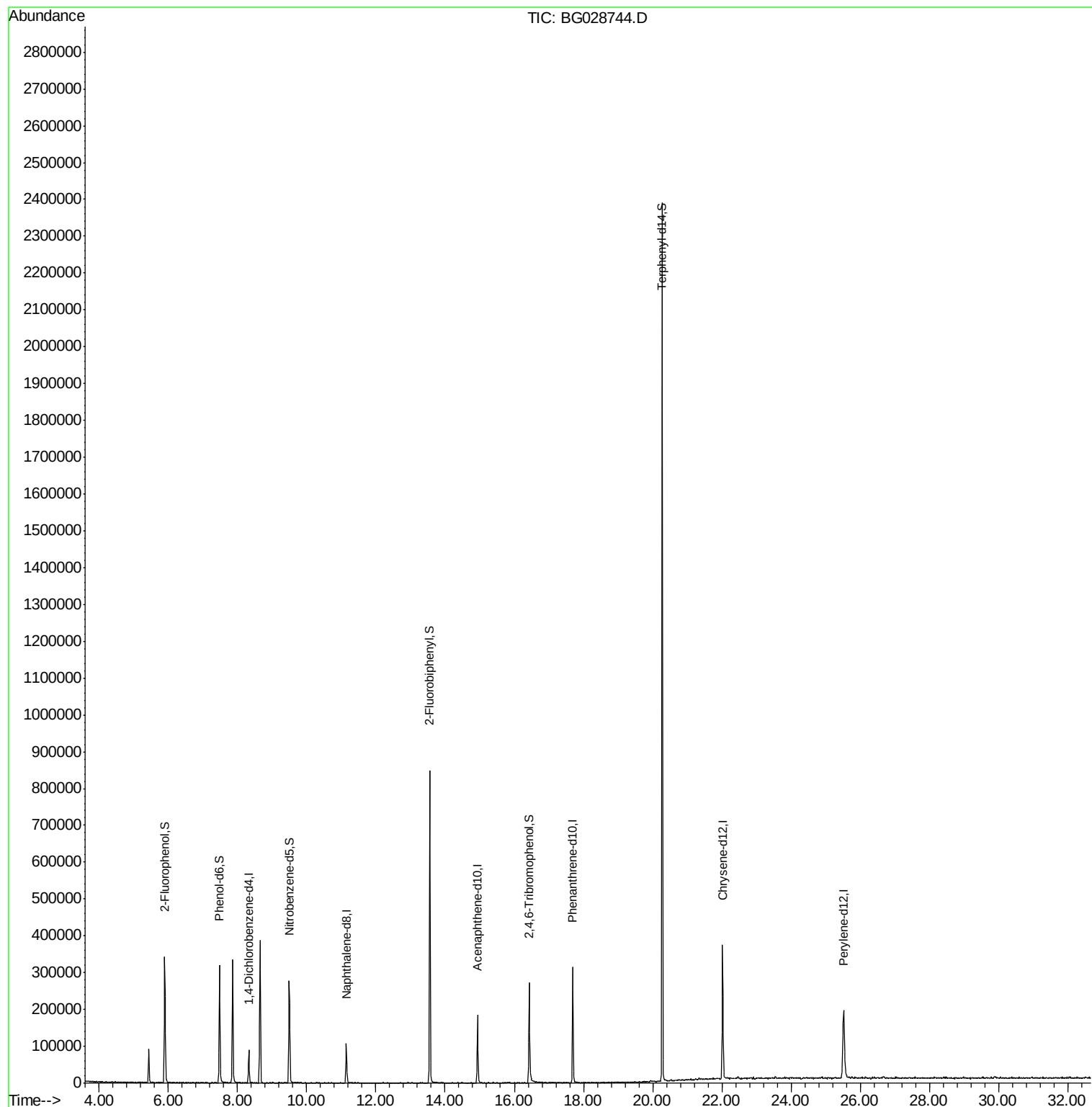
Target Compounds Qvalue

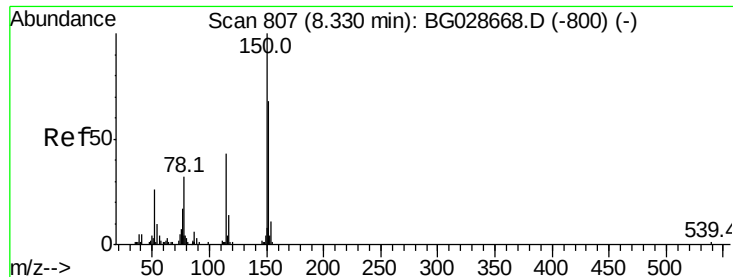
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

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Response via : Initial Calibration



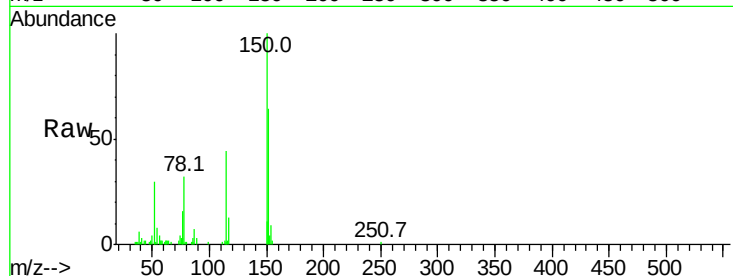


#1

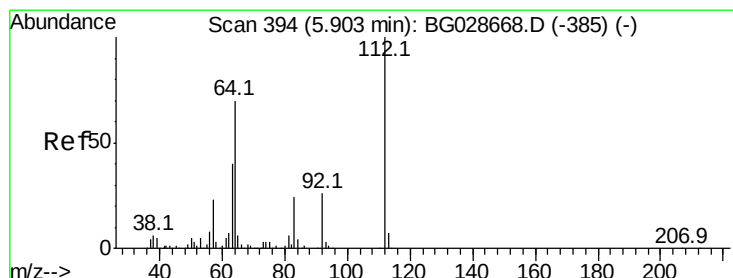
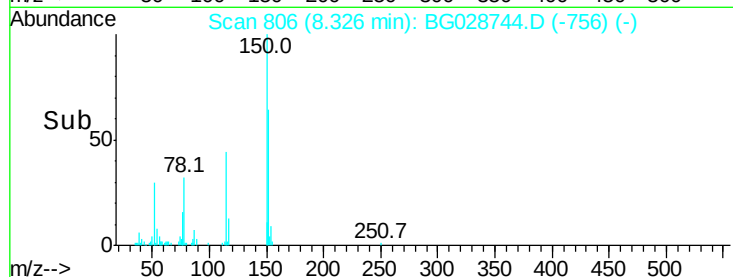
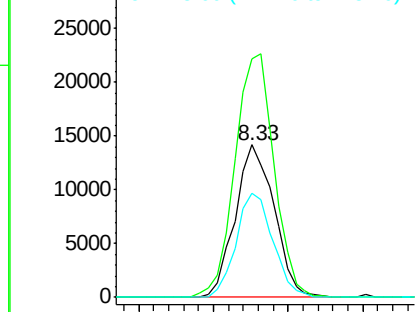
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.33 min Scan# 806  
Delta R.T. -0.00 min  
Lab File: BG028744.D  
Acq: 14 Sep 2017 22:40

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:152 Resp: 25709  
Ion Ratio Lower Upper  
152 100  
150 156.3 114.0 171.0  
115 68.3 48.1 72.1



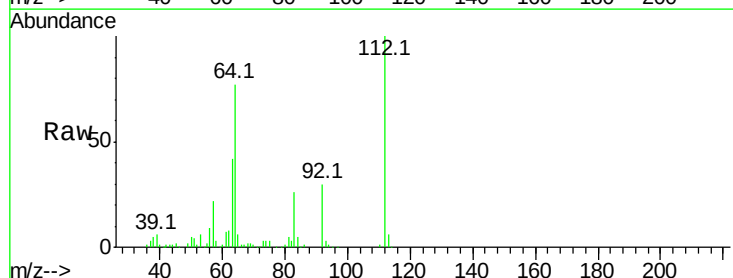
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



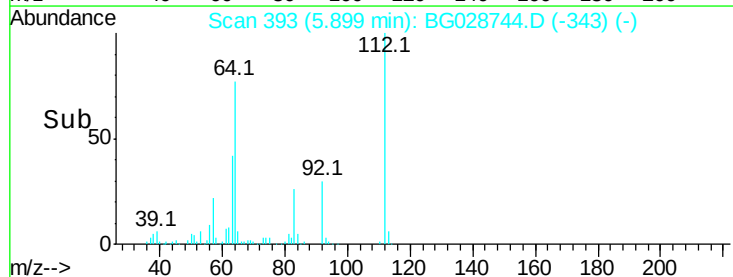
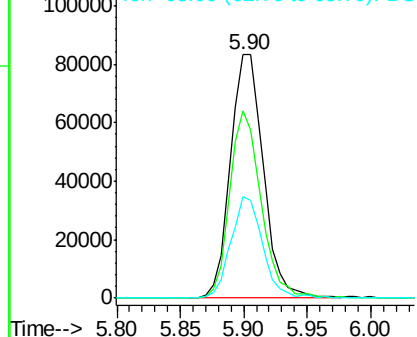
#5

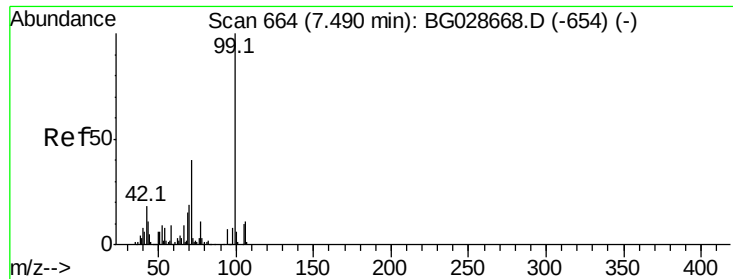
2-Fluorophenol  
Concen: 95.972 ng  
RT: 5.90 min Scan# 393  
Delta R.T. -0.00 min  
Lab File: BG028744.D  
Acq: 14 Sep 2017 22:40

Tgt Ion:112 Resp: 149531  
Ion Ratio Lower Upper  
112 100  
64 76.8 61.8 92.6  
63 41.6 37.2 55.8



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: 83.496 ng

RT: 7.48 min Scan# 662

Delta R.T. -0.01 min

Lab File: BG028744.D

Acq: 14 Sep 2017 22:40

Instrument :

BNA\_G

ClientSampleId :

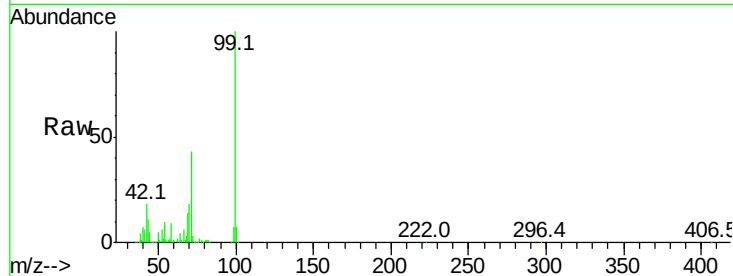
Tot Ion: 99 Resp: 195870

Ion Ratio Lower Upper

99 100

42 18.0 20.5 30.7#

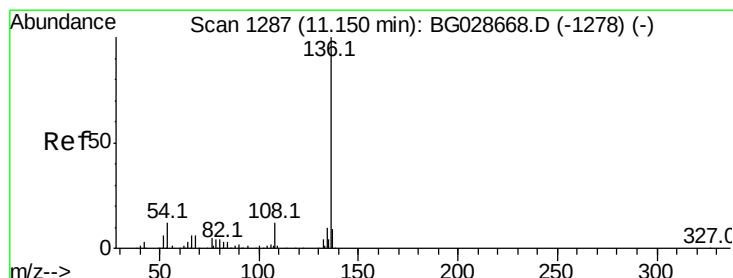
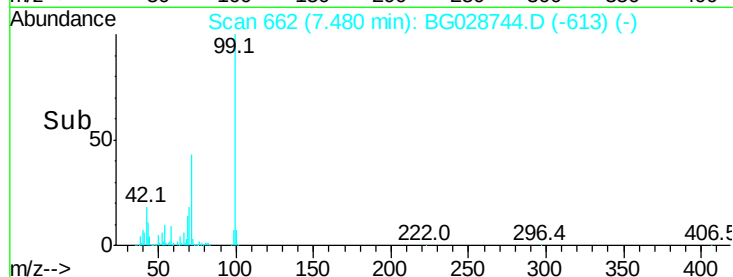
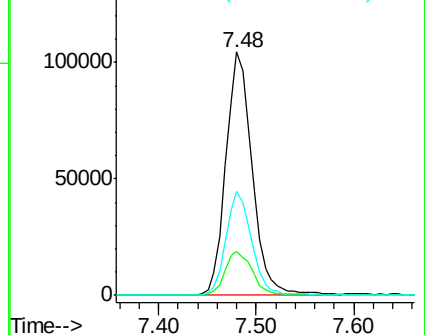
71 42.9 37.6 56.4



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: 11.15 min Scan# 1286

Delta R.T. -0.00 min

Lab File: BG028744.D

Acq: 14 Sep 2017 22:40

Tgt Ion: 136 Resp: 100961

Ion Ratio Lower Upper

136 100

137 11.7 8.9 13.3

54 11.4 9.3 13.9

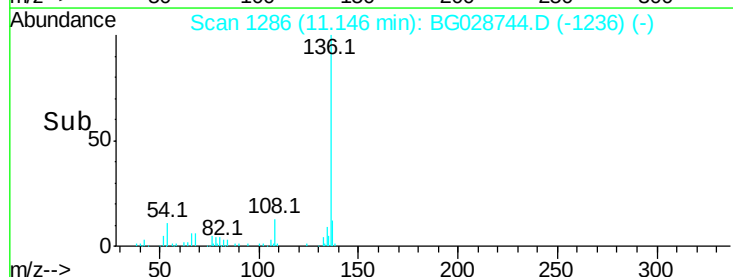
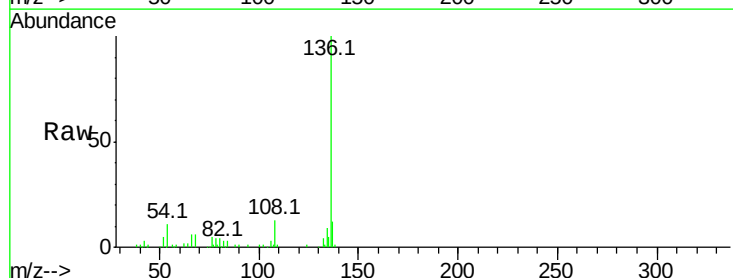
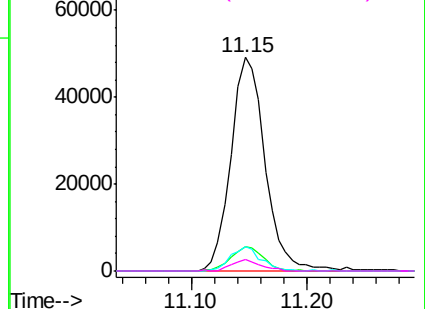
68 5.7 5.1 7.7

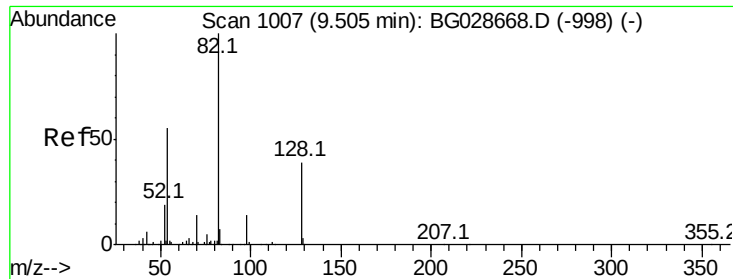
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

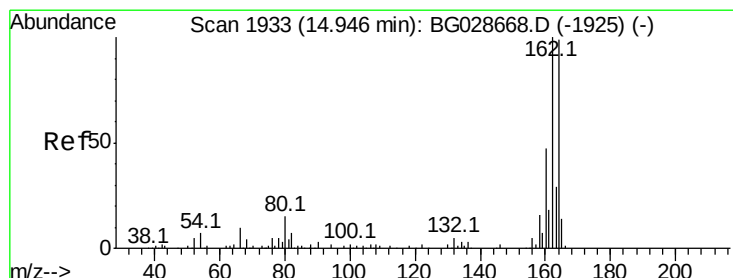
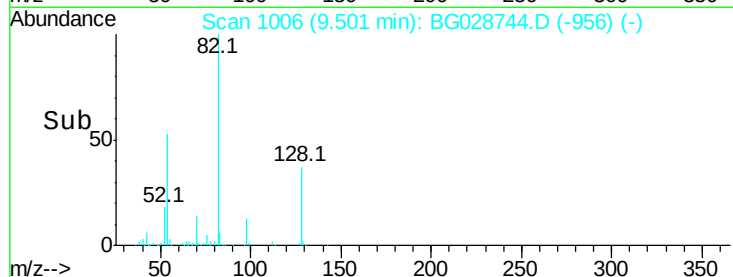
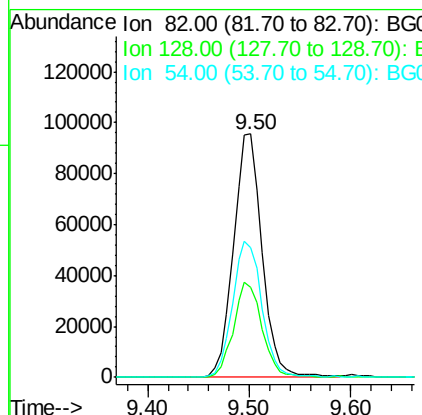
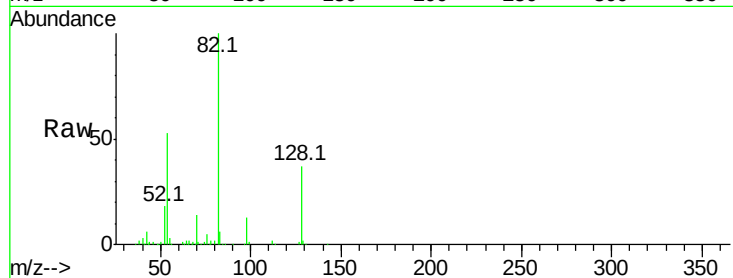




#23  
Nitrobenzene-d5  
Concen: 88.528 ng  
RT: 9.50 min Scan# 1006  
Delta R.T. -0.00 min  
Lab File: BG028744.D  
Acq: 14 Sep 2017 22:40

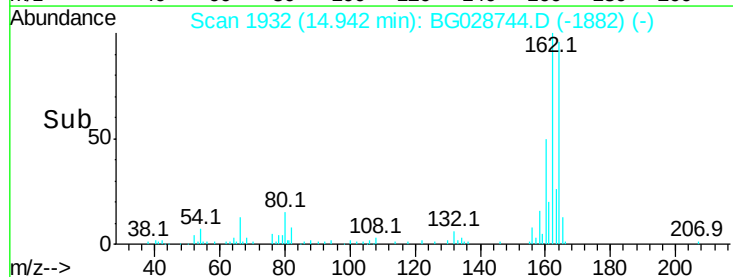
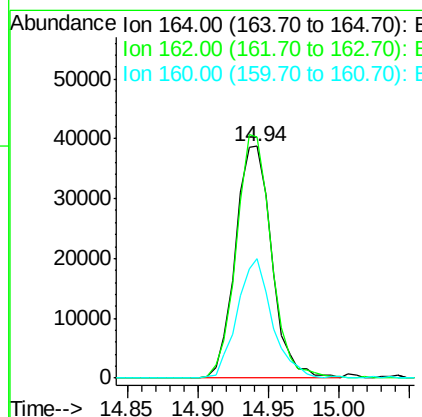
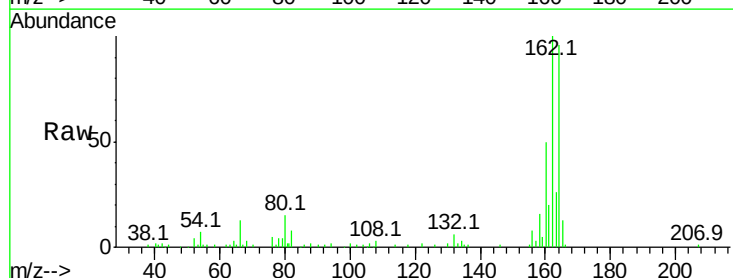
Instrument :  
BNA\_G  
ClientSampleId :

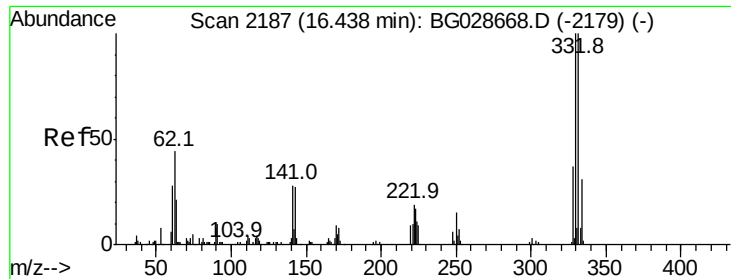
| Tot Ion | 82    | Resp  | 186838 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 82      | 100   |       |        |
| 128     | 37.1  | 26.4  | 39.6   |
| 54      | 53.0  | 49.4  | 74.2   |



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.94 min Scan# 1932  
Delta R.T. -0.00 min  
Lab File: BG028744.D  
Acq: 14 Sep 2017 22:40

| Tgt Ion | 164   | Resp  | 69736 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 164     | 100   |       |       |
| 162     | 103.8 | 85.1  | 127.7 |
| 160     | 51.7  | 34.7  | 52.1  |

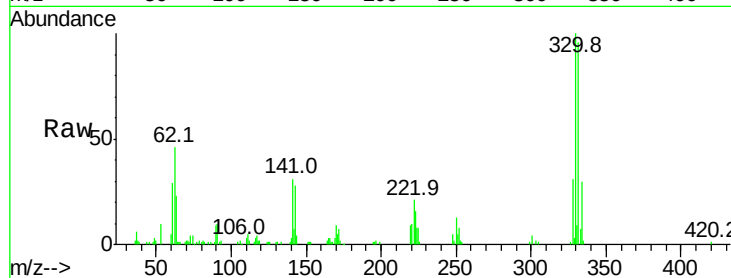




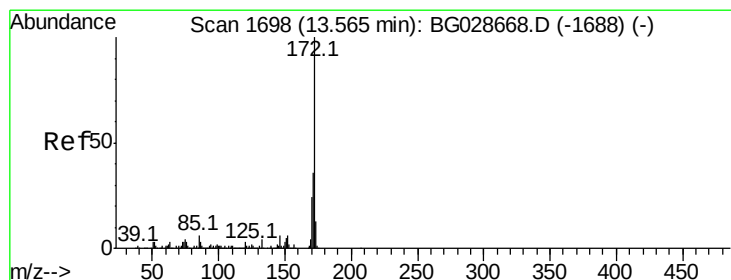
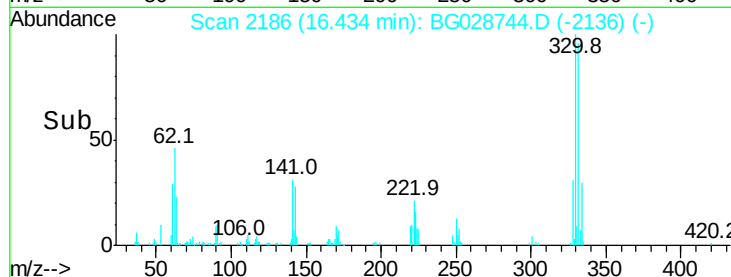
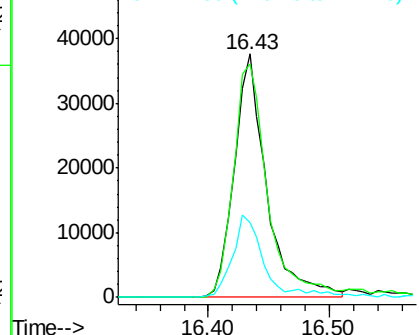
#41  
 2,4,6-Tribromophenol  
 Concen: 60.619 ng  
 RT: 16.43 min Scan# 2186  
 Delta R.T. -0.00 min  
 Lab File: BG028744.D  
 Acq: 14 Sep 2017 22:40

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:330 Resp: 69917  
 Ion Ratio Lower Upper  
 330 100  
 332 101.0 77.3 115.9  
 141 33.8 32.1 48.1

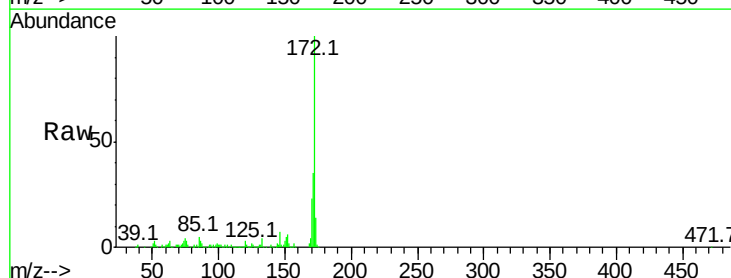


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

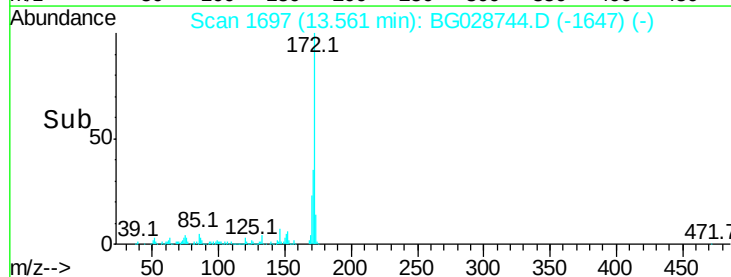
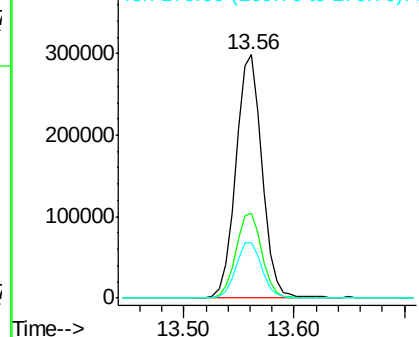


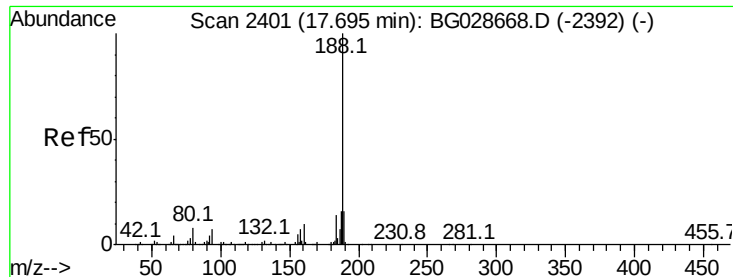
#44  
 2-Fluorobiphenyl  
 Concen: 95.000 ng  
 RT: 13.56 min Scan# 1697  
 Delta R.T. -0.00 min  
 Lab File: BG028744.D  
 Acq: 14 Sep 2017 22:40

Tgt Ion:172 Resp: 496836  
 Ion Ratio Lower Upper  
 172 100  
 171 35.1 32.2 48.2  
 170 22.6 21.8 32.6



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: 17.69 min Scan# 2400

Delta R.T. -0.00 min

Lab File: BG028744.D

Acq: 14 Sep 2017 22:40

Instrument :

BNA\_G

ClientSampleId :

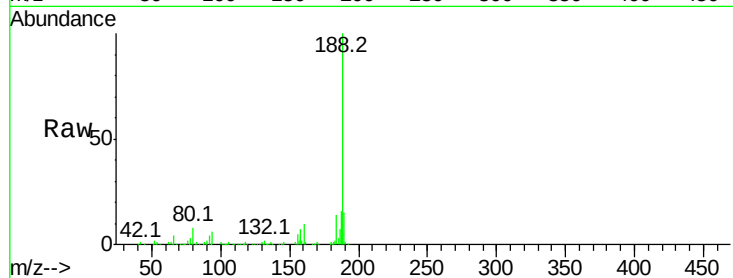
Tot Ion:188 Resp: 212755

Ion Ratio Lower Upper

188 100

94 6.3 5.8 8.8

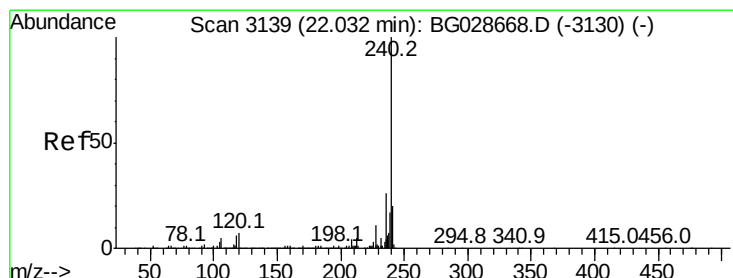
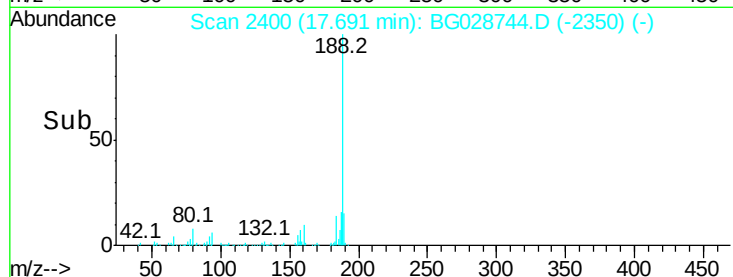
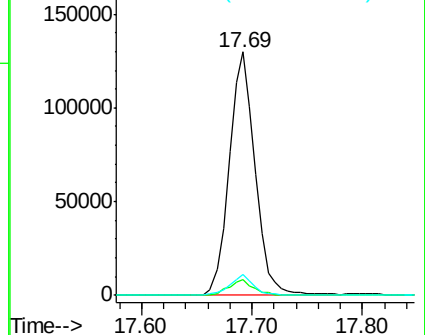
80 8.4 7.5 11.3



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: 22.02 min Scan# 3137

Delta R.T. -0.01 min

Lab File: BG028744.D

Acq: 14 Sep 2017 22:40

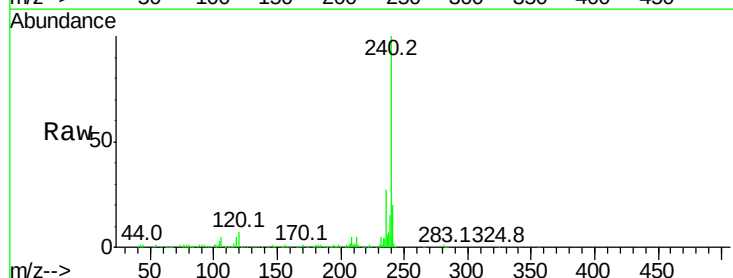
Tgt Ion:240 Resp: 267925

Ion Ratio Lower Upper

240 100

120 7.0 5.7 8.5

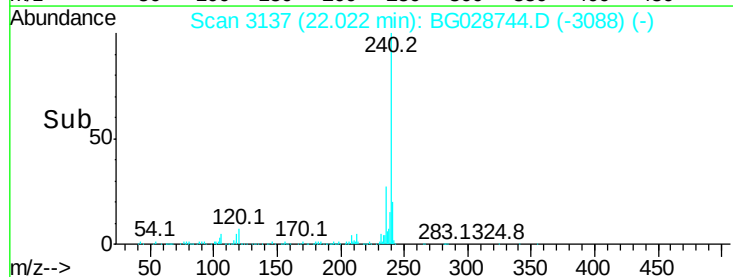
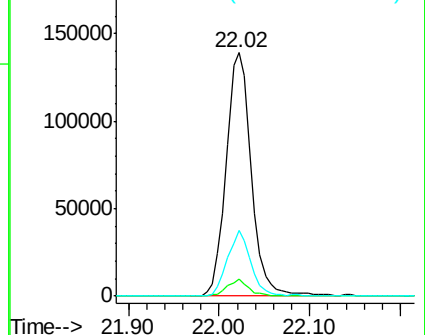
236 26.9 22.2 33.4

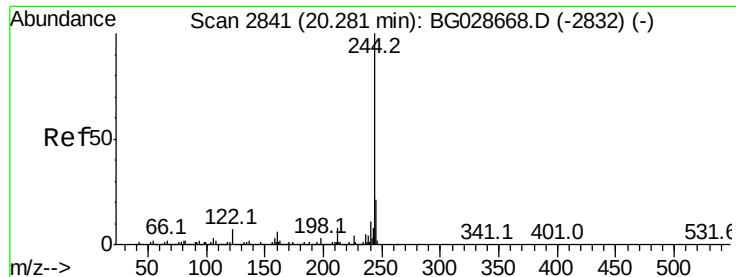


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 88.709 ng

RT: 20.28 min Scan# 2840

Delta R.T. -0.00 min

Lab File: BG028744.D

Acq: 14 Sep 2017 22:40

Instrument :

BNA\_G

ClientSampled :

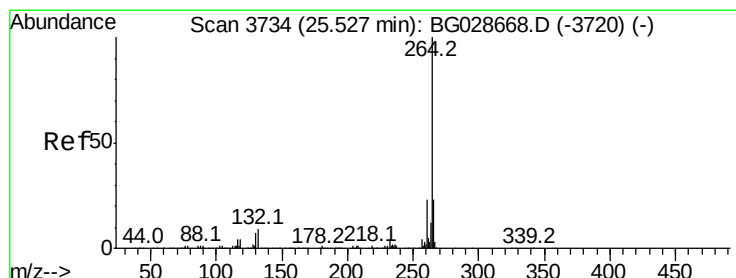
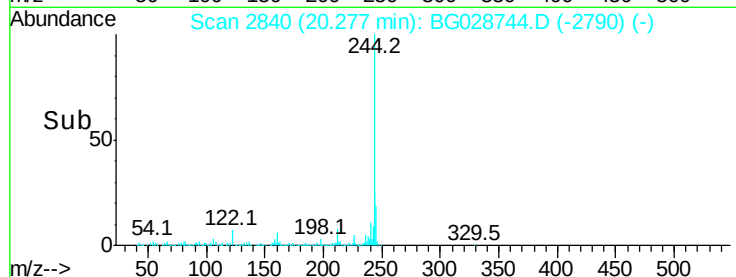
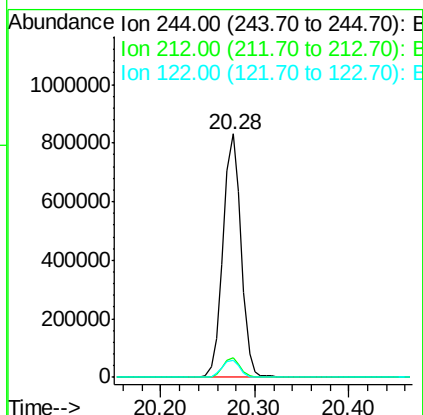
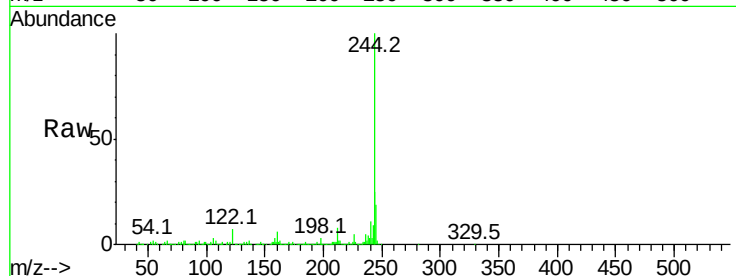
Tot Ion:244 Resp: 1114496

Ion Ratio Lower Upper

244 100

212 8.2 10.0 15.0#

122 6.9 8.6 12.8#



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.52 min Scan# 3732

Delta R.T. -0.01 min

Lab File: BG028744.D

Acq: 14 Sep 2017 22:40

Tgt Ion:264 Resp: 267610

Ion Ratio Lower Upper

264 100

260 25.0 21.8 32.8

265 22.3 18.2 27.4

