

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG070217\  
 Data File : BG027823.D  
 Acq On : 2 Jul 2017 17:52  
 Operator : SJ/JU  
 Sample : I3986-01  
 Misc :  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-10

Quant Time: Jul 03 08:07:52 2017  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG062817.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 28 19:26:37 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.48  | 152  | 26954    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 11.29 | 136  | 130277   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 15.06 | 164  | 83455    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.81 | 188  | 224838   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 22.17 | 240  | 229847   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 25.79 | 264  | 197392   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 6.06  | 112  | 229555   | 131.15 | ng    | 0.00     |
| 7) Phenol-d6                | 7.62  | 99   | 286697   | 107.22 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.64  | 82   | 200204   | 85.66  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.55 | 330  | 199656   | 174.42 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.68 | 172  | 559748   | 95.79  | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.39 | 244  | 1038522  | 105.93 | ng    | 0.00     |

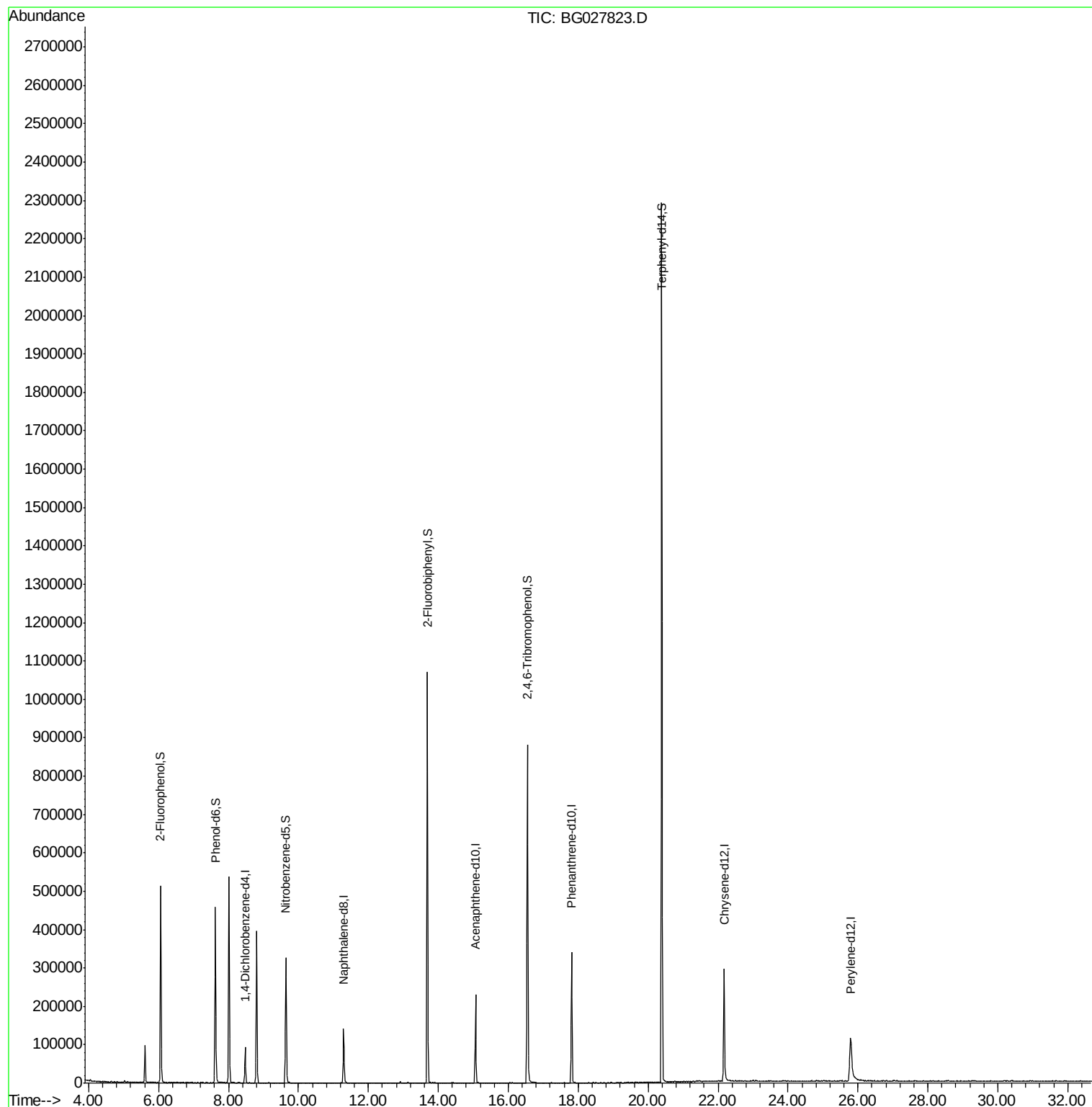
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

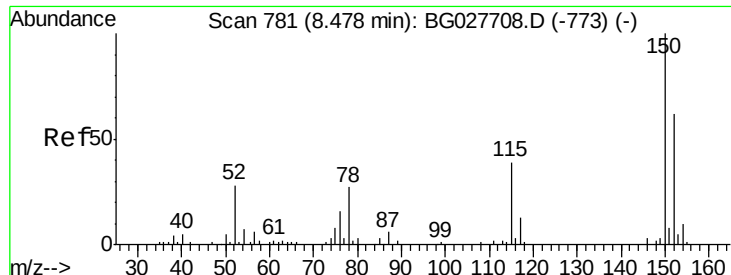
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jun 28 19:26:37 2017  
Response via : Initial Calibration



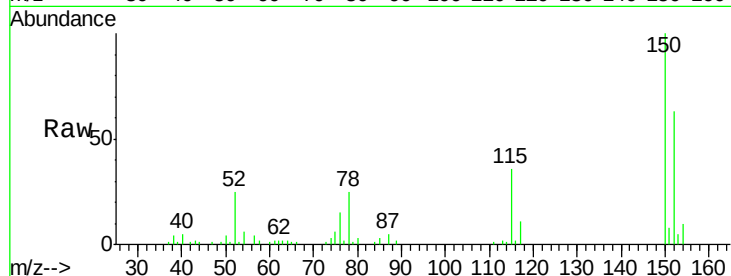


#1

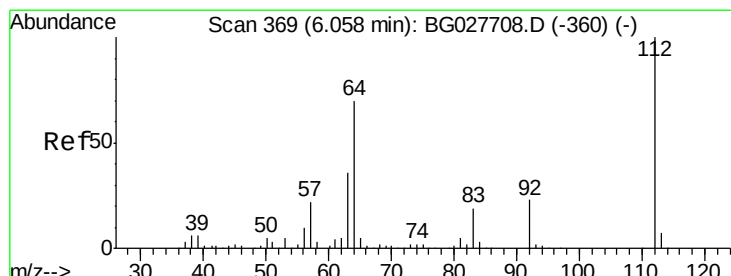
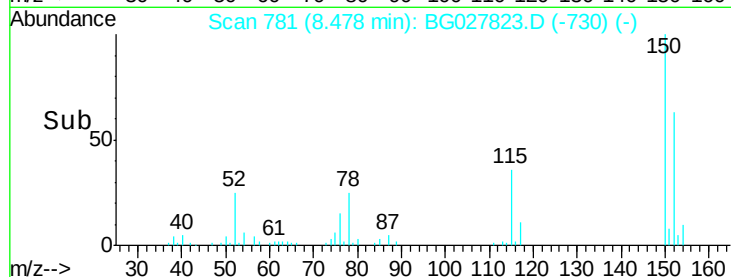
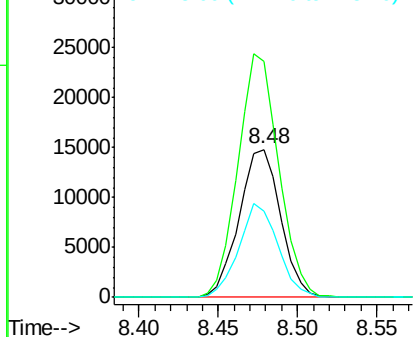
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.48 min Scan# 781  
Delta R.T. 0.00 min  
Lab File: BG027823.D  
Acq: 2 Jul 2017 17:52

Instrument :  
BNA\_G  
ClientSampled :  
TP-10

Tgt Ion:152 Resp: 26954  
Ion Ratio Lower Upper  
152 100  
150 159.3 114.0 171.0  
115 58.0 48.1 72.1



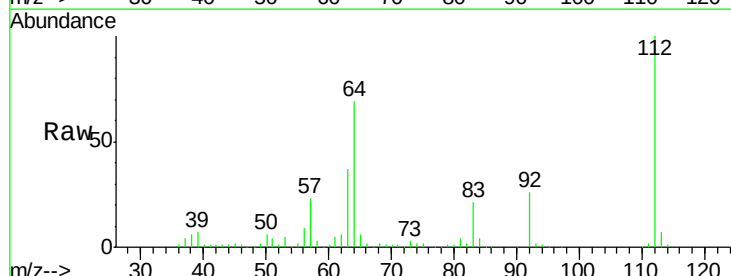
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



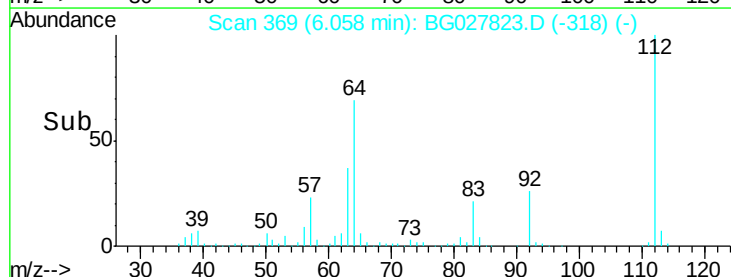
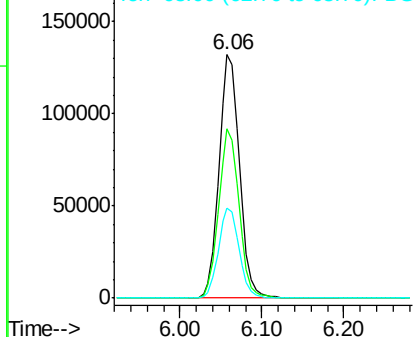
#5

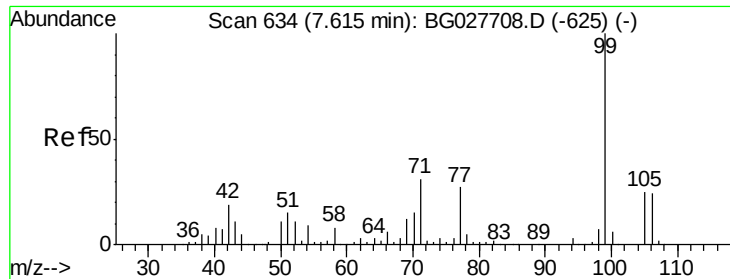
2-Fluorophenol  
Concen: 131.147 ng  
RT: 6.06 min Scan# 369  
Delta R.T. 0.00 min  
Lab File: BG027823.D  
Acq: 2 Jul 2017 17:52

Tgt Ion:112 Resp: 229555  
Ion Ratio Lower Upper  
112 100  
64 69.5 61.8 92.6  
63 37.0 37.2 55.8#



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





#7

Phenol-d6

Concen: 107.216 ng

RT: 7.62 min Scan# 635

Delta R.T. 0.01 min

Lab File: BG027823.D

Acq: 2 Jul 2017 17:52

Instrument :

BNA\_G

ClientSampleId :

TP-10

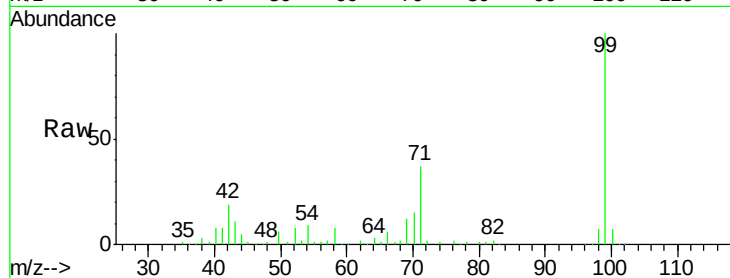
Tgt Ion: 99 Resp: 286697

Ion Ratio Lower Upper

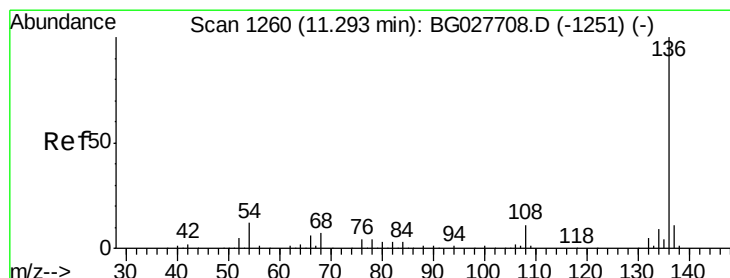
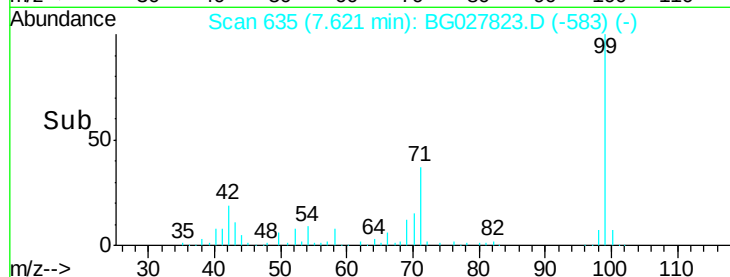
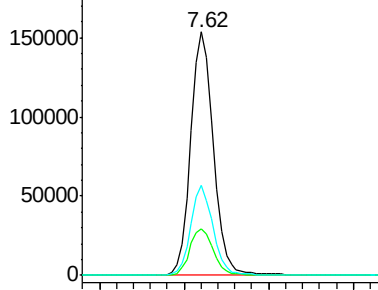
99 100

42 19.3 20.5 30.7#

71 36.8 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: 11.29 min Scan# 1260

Delta R.T. 0.00 min

Lab File: BG027823.D

Acq: 2 Jul 2017 17:52

Tgt Ion: 136 Resp: 130277

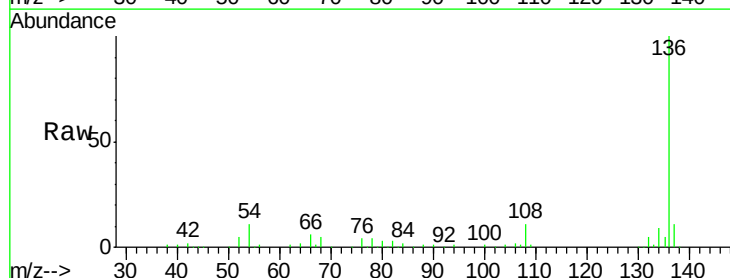
Ion Ratio Lower Upper

136 100

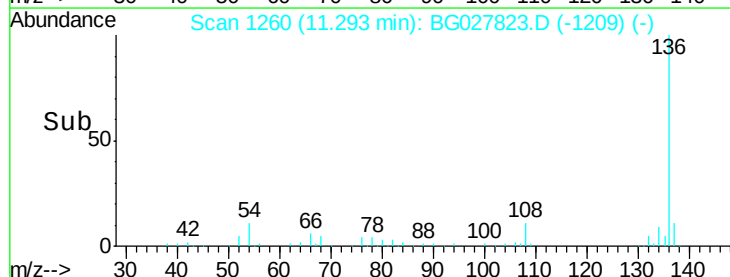
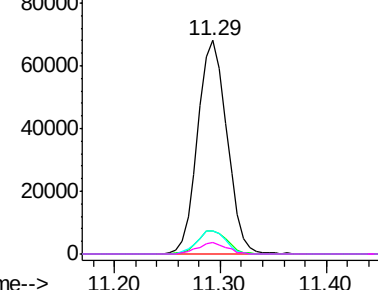
137 10.9 8.9 13.3

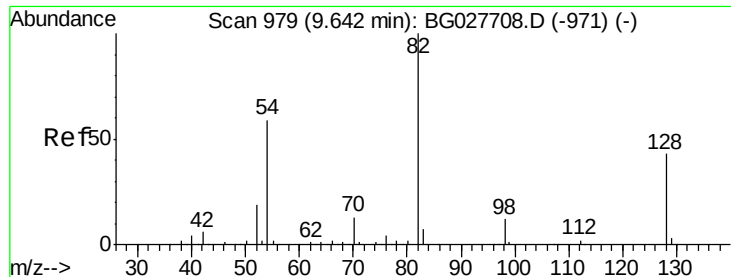
54 11.1 9.3 13.9

68 5.4 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

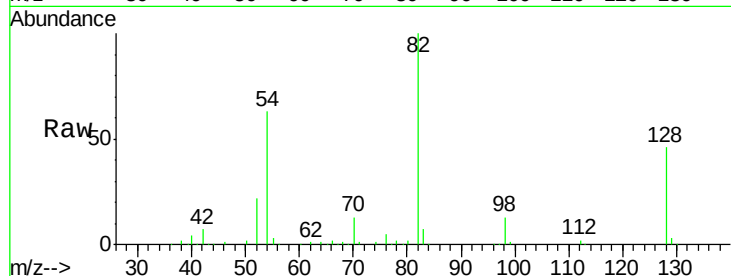




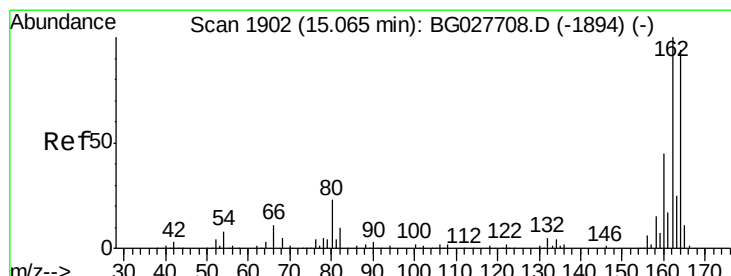
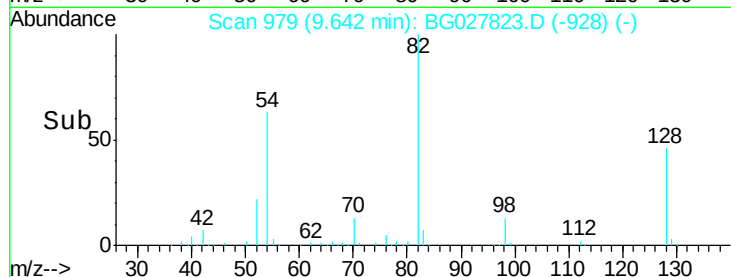
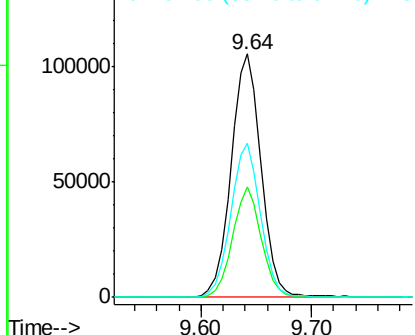
#23  
 Nitrobenzene-d5  
 Concen: 85.660 ng  
 RT: 9.64 min Scan# 979  
 Delta R.T. 0.00 min  
 Lab File: BG027823.D  
 Acq: 2 Jul 2017 17:52

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-10

Tgt Ion: 82 Resp: 200204  
 Ion Ratio Lower Upper  
 82 100  
 128 45.5 26.4 39.6#  
 54 63.4 49.4 74.2

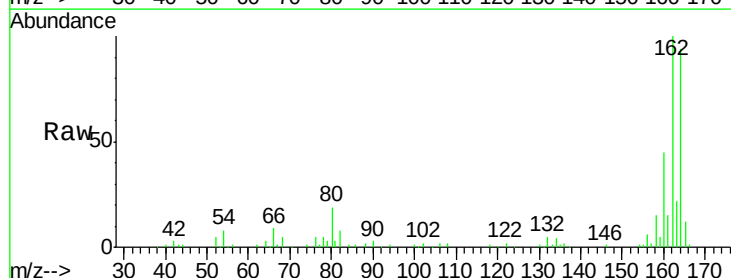


Abundance Ion 82.00 (81.70 to 82.70): BGC  
 Ion 128.00 (127.70 to 128.70): BGC  
 Ion 54.00 (53.70 to 54.70): BGC

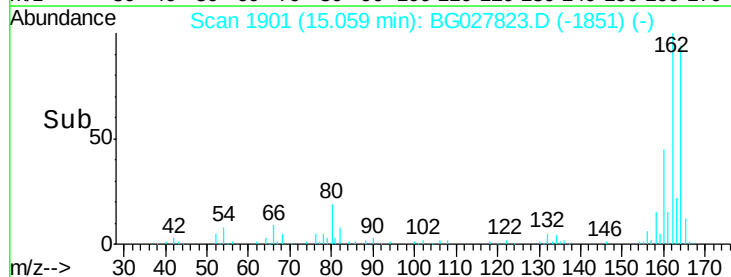
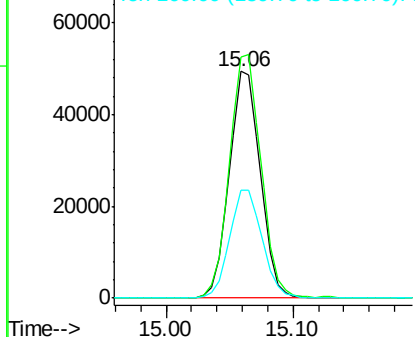


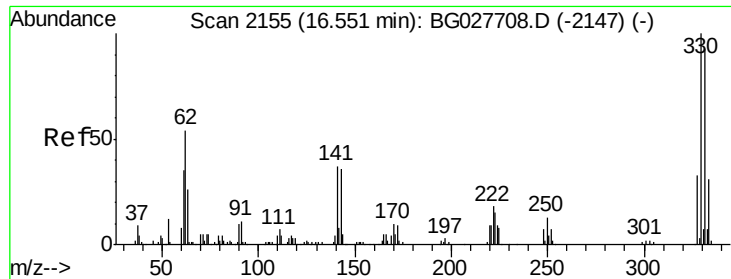
#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 15.06 min Scan# 1901  
 Delta R.T. -0.01 min  
 Lab File: BG027823.D  
 Acq: 2 Jul 2017 17:52

Tgt Ion: 164 Resp: 83455  
 Ion Ratio Lower Upper  
 164 100  
 162 106.0 85.1 127.7  
 160 47.8 34.7 52.1



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: 174.421 ng

RT: 16.55 min Scan# 2155

Delta R.T. 0.00 min

Lab File: BG027823.D

Acq: 2 Jul 2017 17:52

Instrument :

BNA\_G

ClientSampleId :

TP-10

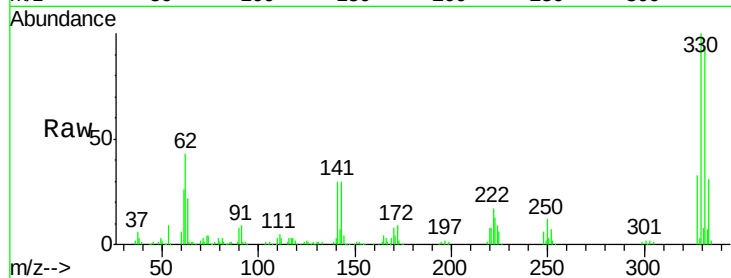
Tgt Ion:330 Resp: 199656

Ion Ratio Lower Upper

330 100

332 96.9 77.3 115.9

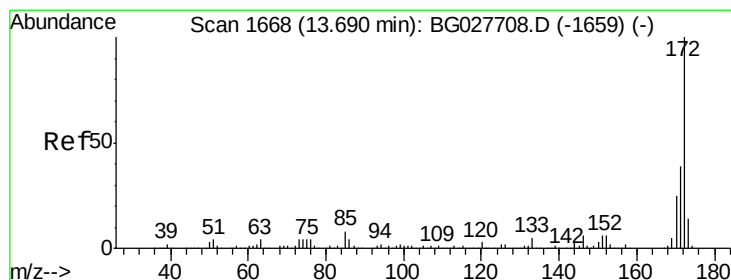
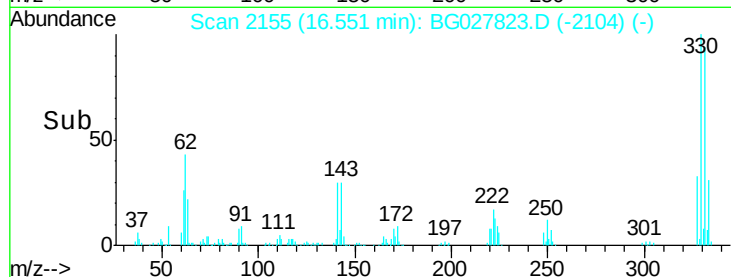
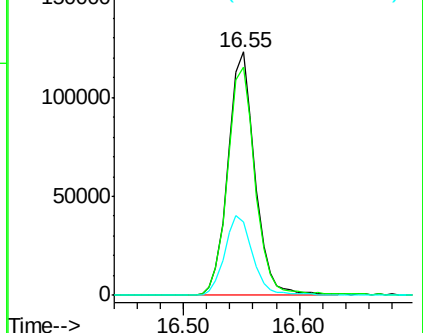
141 34.0 32.1 48.1



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: 95.790 ng

RT: 13.68 min Scan# 1667

Delta R.T. -0.01 min

Lab File: BG027823.D

Acq: 2 Jul 2017 17:52

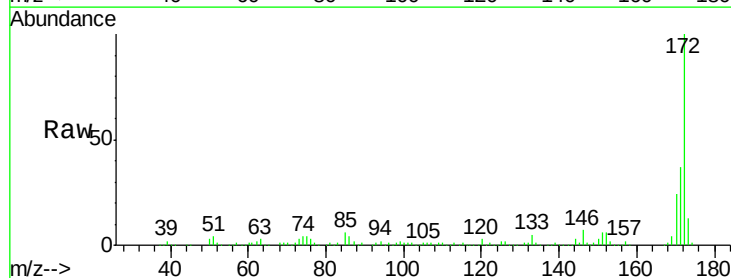
Tgt Ion:172 Resp: 559748

Ion Ratio Lower Upper

172 100

171 36.6 32.2 48.2

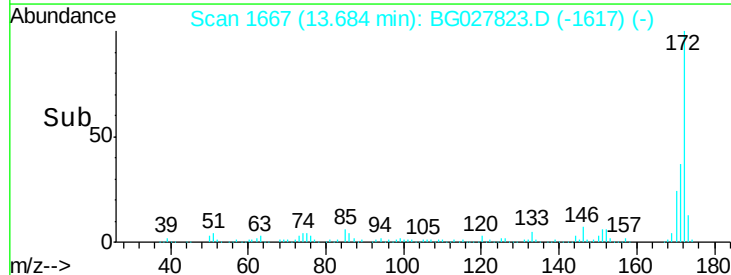
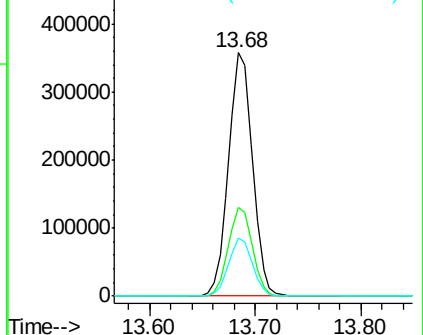
170 24.0 21.8 32.6

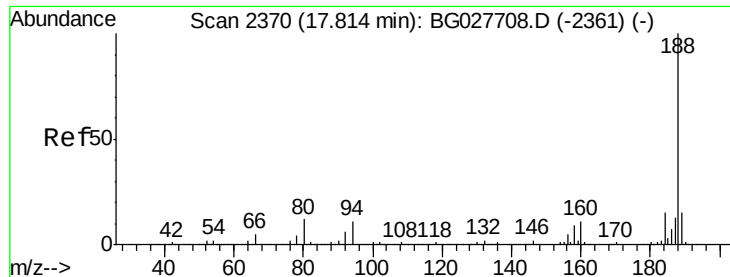


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

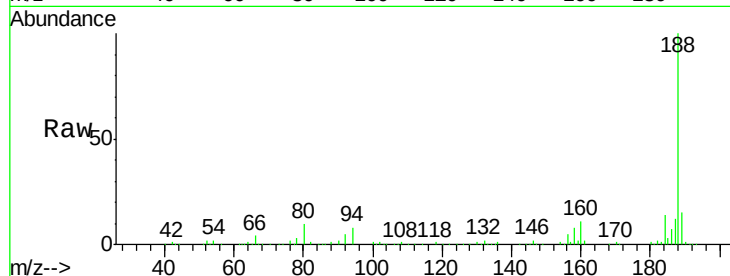




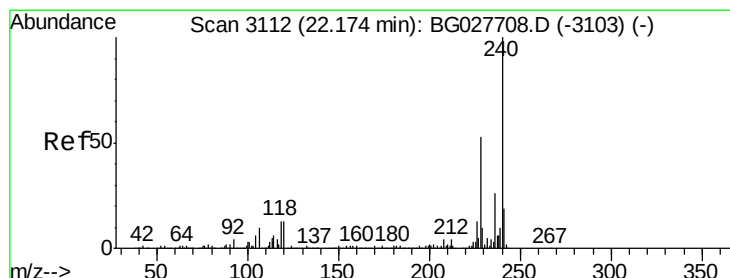
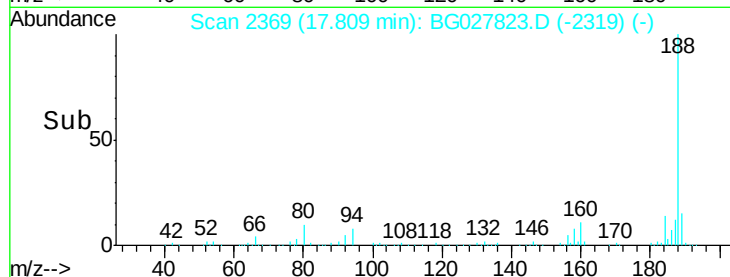
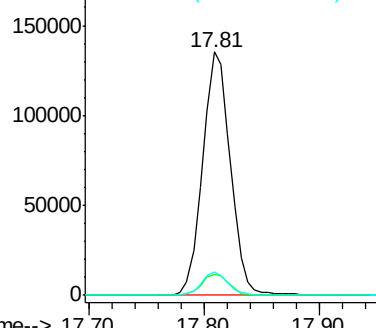
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.81 min Scan# 2369  
Delta R.T. -0.01 min  
Lab File: BG027823.D  
Acq: 2 Jul 2017 17:52

Instrument :  
BNA\_G  
ClientSampleId :  
TP-10

Tgt Ion:188 Resp: 224838  
Ion Ratio Lower Upper  
188 100  
94 8.4 5.8 8.8  
80 9.9 7.5 11.3

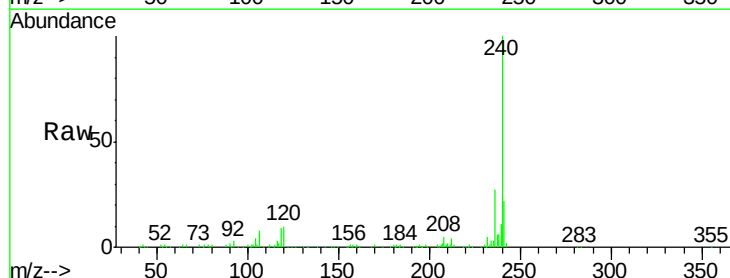


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGO  
Ion 80.00 (79.70 to 80.70): BGO

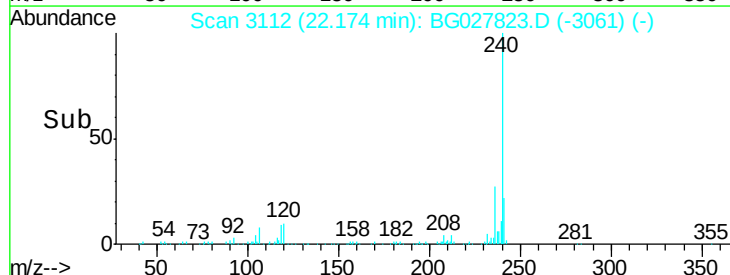
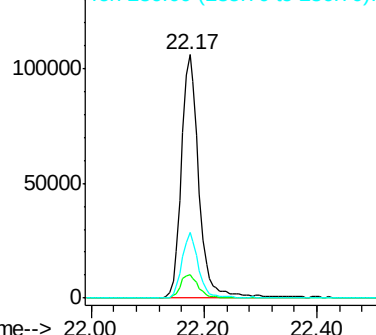


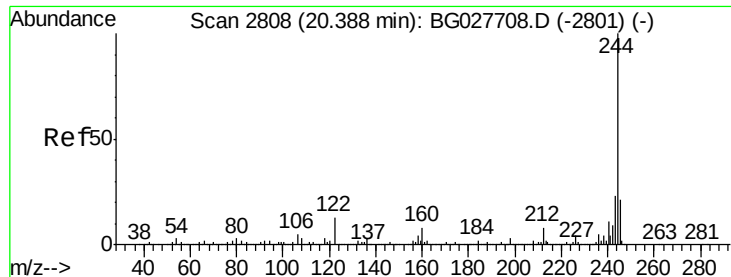
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 22.17 min Scan# 3112  
Delta R.T. 0.00 min  
Lab File: BG027823.D  
Acq: 2 Jul 2017 17:52

Tgt Ion:240 Resp: 229847  
Ion Ratio Lower Upper  
240 100  
120 9.7 5.7 8.5#  
236 27.0 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: 105.926 ng

RT: 20.39 min Scan# 2808

Delta R.T. 0.00 min

Lab File: BG027823.D

Acq: 2 Jul 2017 17:52

Instrument :

BNA\_G

ClientSampleId :

TP-10

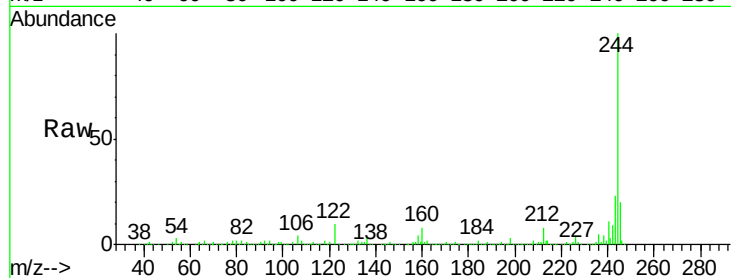
Tgt Ion:244 Resp: 1038522

Ion Ratio Lower Upper

244 100

212 7.7 10.0 15.0#

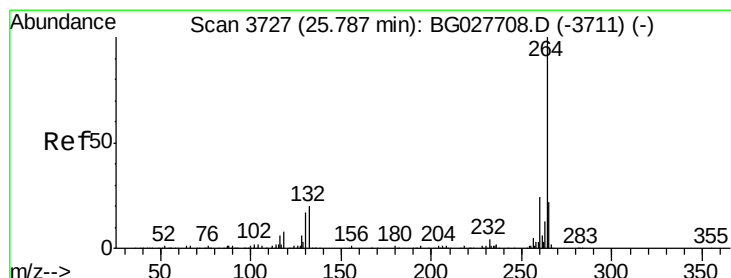
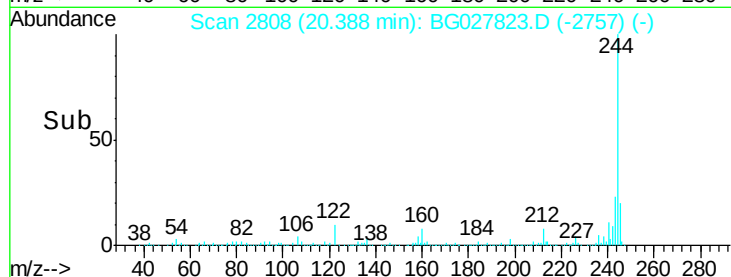
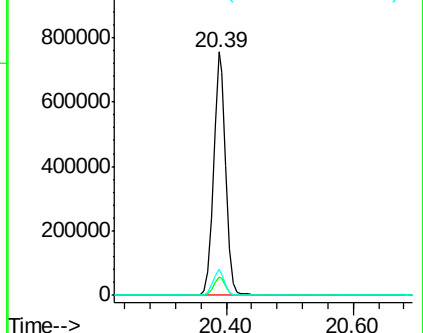
122 10.4 8.6 12.8



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: 25.79 min Scan# 3728

Delta R.T. 0.01 min

Lab File: BG027823.D

Acq: 2 Jul 2017 17:52

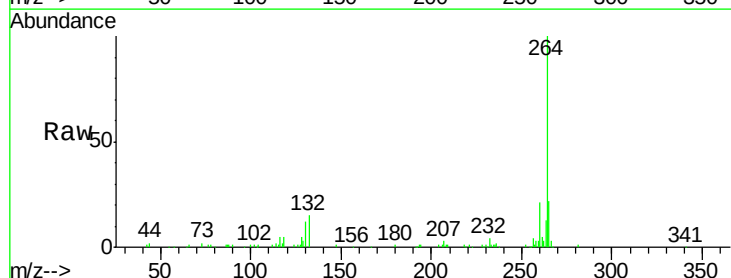
Tgt Ion:264 Resp: 197392

Ion Ratio Lower Upper

264 100

260 20.9 21.8 32.8#

265 21.7 18.2 27.4



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

