

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG070217\  
 Data File : BG027824.D  
 Acq On : 2 Jul 2017 18:32  
 Operator : SJ/JU  
 Sample : I3986-02  
 Misc :  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-11

Quant Time: Jul 03 08:08:02 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  | 28583    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 11.29 | 136  | 131971   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 15.06 | 164  | 85626    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.81 | 188  | 224178   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 22.17 | 240  | 227937   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 25.80 | 264  | 199289   | 20.00  | ng    | 0.01     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 6.06  | 112  | 242286   | 130.53 | ng    | 0.00     |
| 7) Phenol-d6                | 7.62  | 99   | 295251   | 104.12 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.64  | 82   | 215935   | 91.20  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.55 | 330  | 215850   | 183.79 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.69 | 172  | 582413   | 97.14  | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.39 | 244  | 1081985  | 111.28 | ng    | 0.00     |

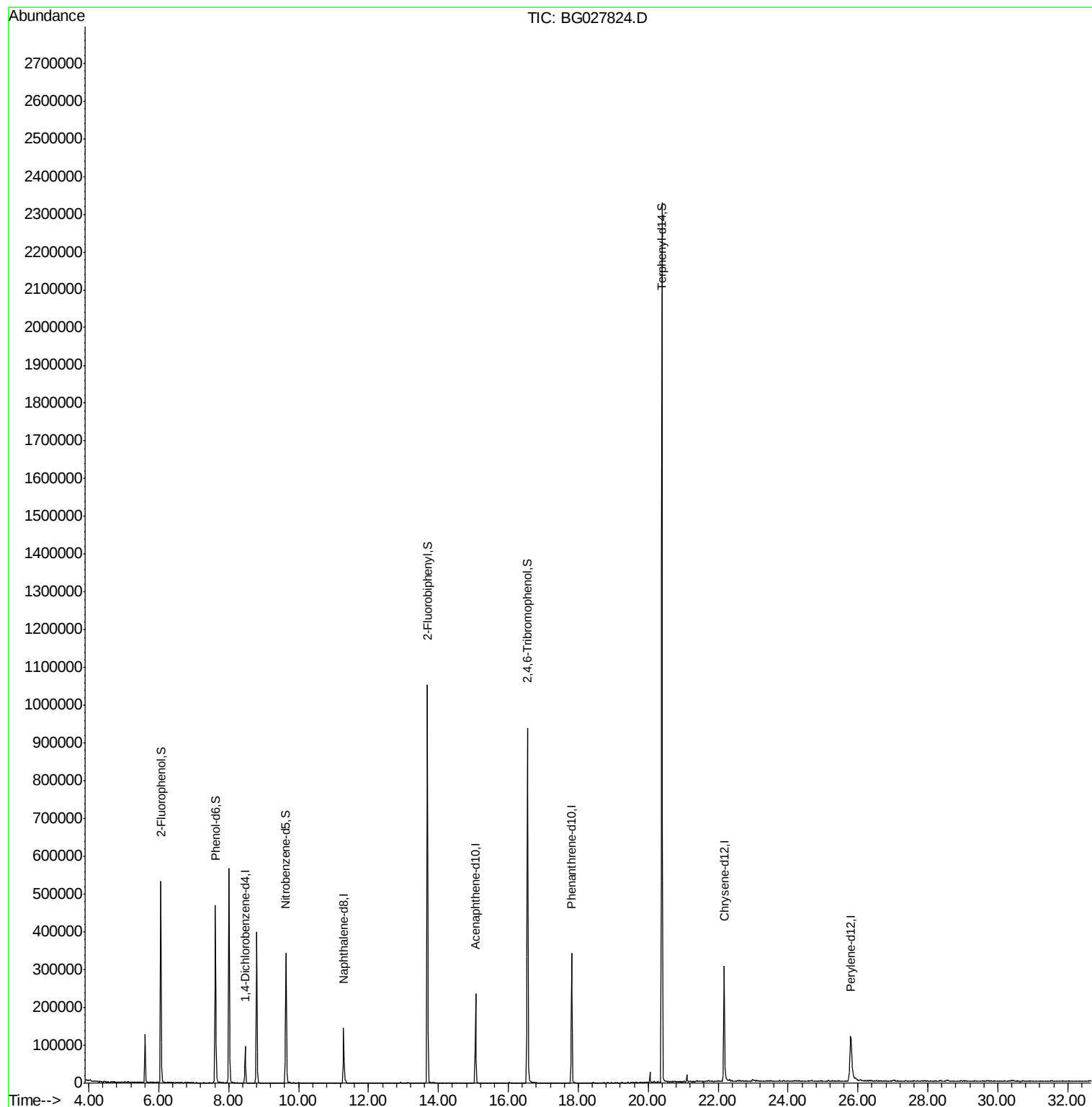
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

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

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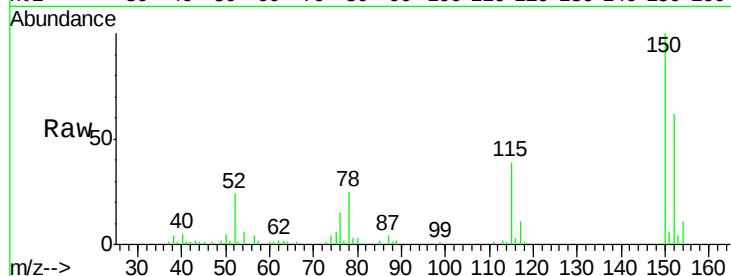




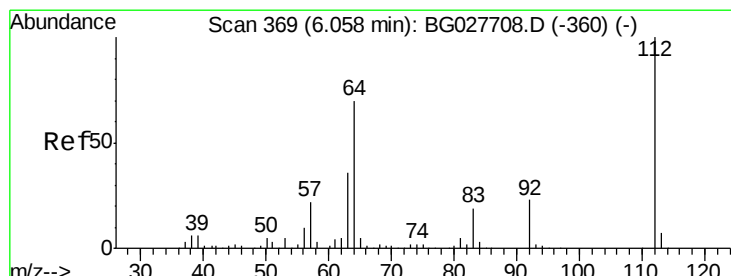
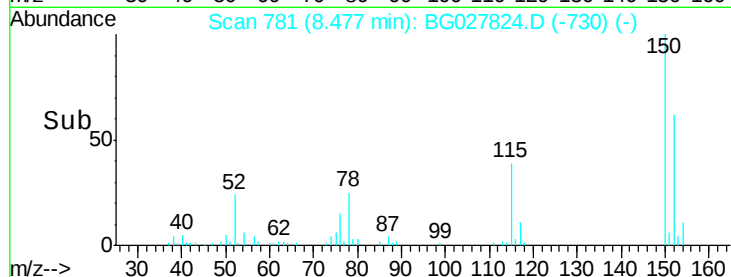
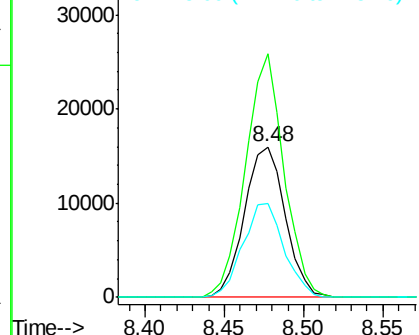
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.48 min Scan# 781  
 Delta R.T. -0.00 min  
 Lab File: BG027824.D  
 Acq: 2 Jul 2017 18:32

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-11

Tgt Ion:152 Resp: 28583  
 Ion Ratio Lower Upper  
 152 100  
 150 161.9 114.0 171.0  
 115 62.4 48.1 72.1

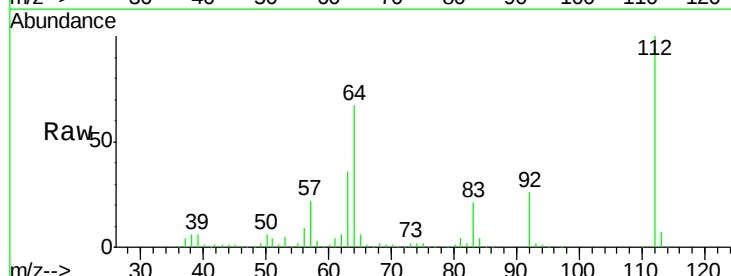


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

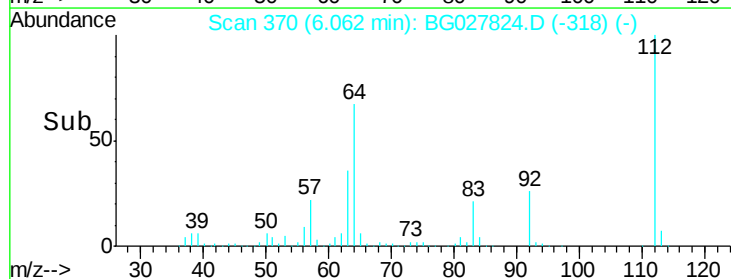
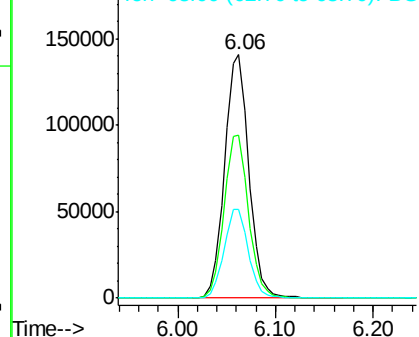


#5  
 2-Fluorophenol  
 Concen: 130.532 ng  
 RT: 6.06 min Scan# 370  
 Delta R.T. 0.00 min  
 Lab File: BG027824.D  
 Acq: 2 Jul 2017 18:32

Tgt Ion:112 Resp: 242286  
 Ion Ratio Lower Upper  
 112 100  
 64 66.9 61.8 92.6  
 63 36.4 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: 104.122 ng

RT: 7.62 min Scan# 635

Delta R.T. 0.00 min

Lab File: BG027824.D

Acq: 2 Jul 2017 18:32

Instrument :

BNA\_G

ClientSampleId :

TP-11

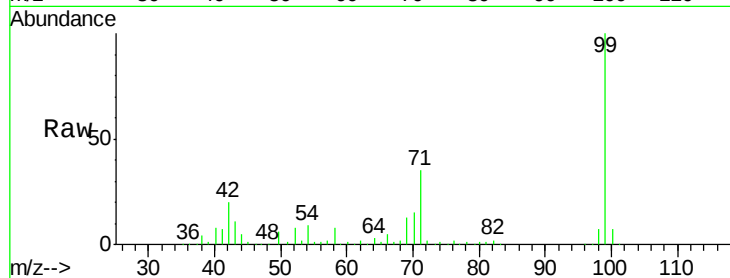
Tgt Ion: 99 Resp: 295251

Ion Ratio Lower Upper

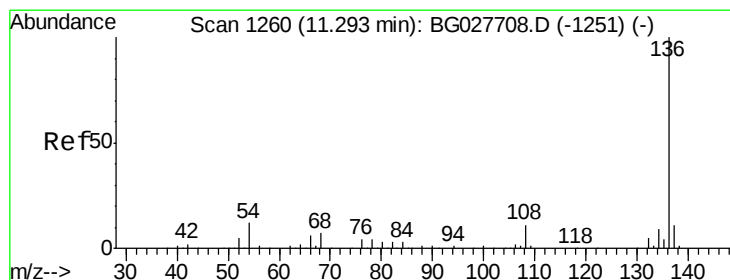
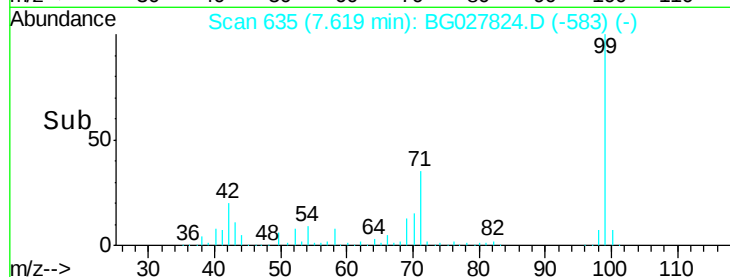
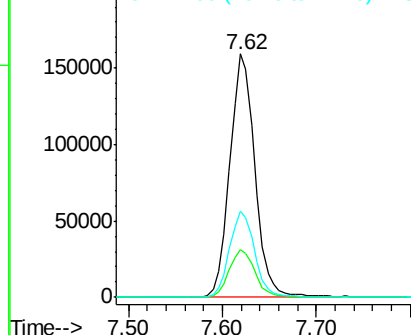
99 100

42 19.8 20.5 30.7#

71 35.3 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: BG027824.D

Acq: 2 Jul 2017 18:32

Tgt Ion: 136 Resp: 131971

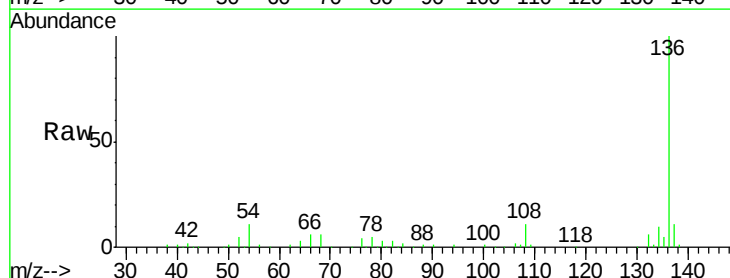
Ion Ratio Lower Upper

136 100

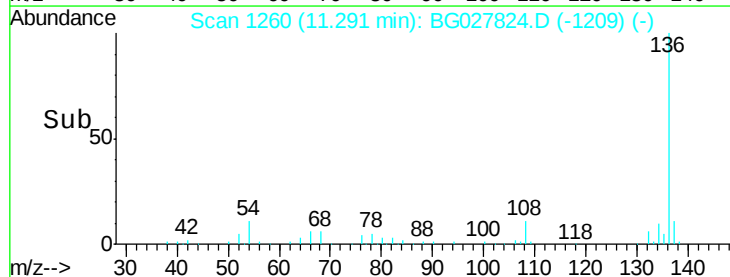
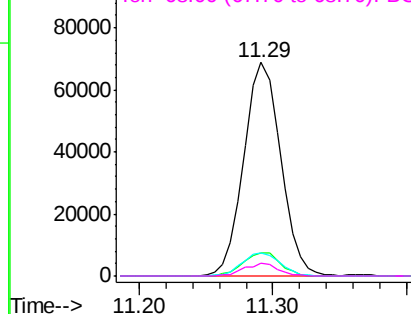
137 10.8 8.9 13.3

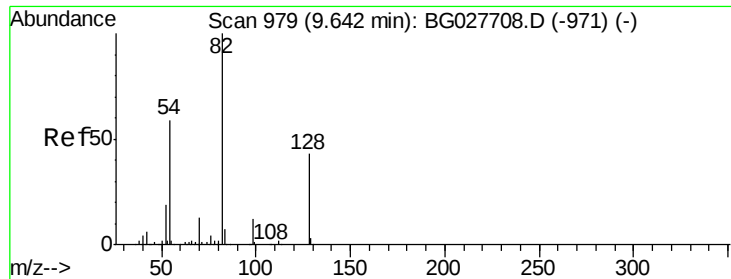
54 10.9 9.3 13.9

68 6.0 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

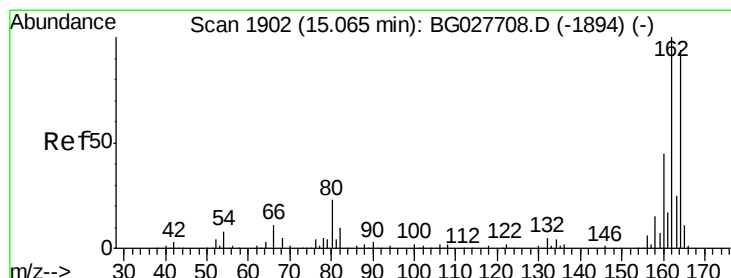
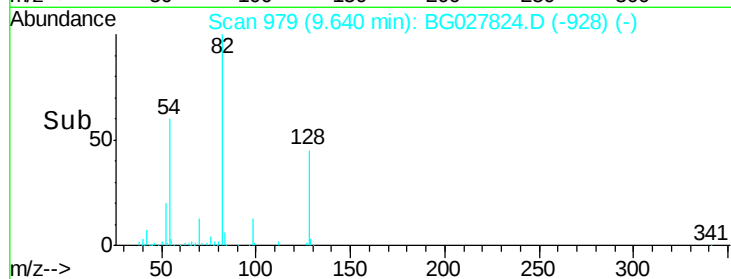
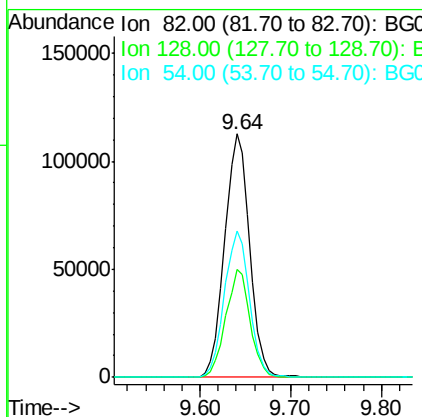
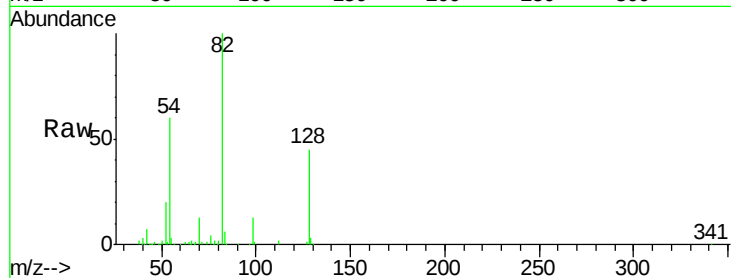




#23  
 Nitrobenzene-d5  
 Concen: 91.205 ng  
 RT: 9.64 min Scan# 979  
 Delta R.T. -0.00 min  
 Lab File: BG027824.D  
 Acq: 2 Jul 2017 18:32

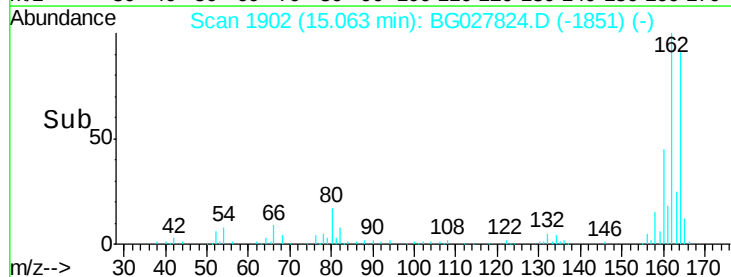
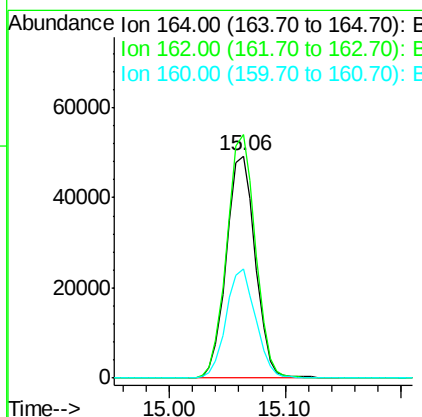
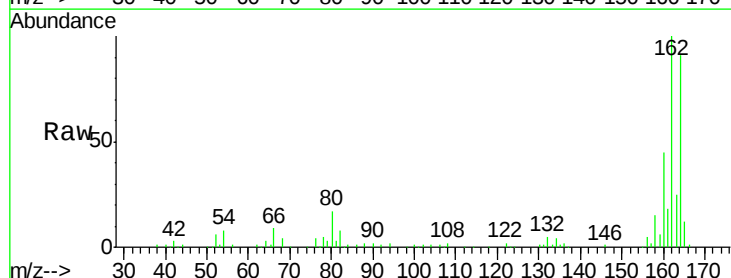
Instrument :  
 BNA\_G  
 ClientSampled :  
 TP-11

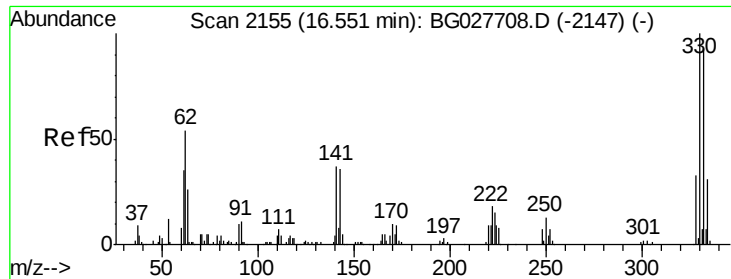
Tgt Ion: 82 Resp: 215935  
 Ion Ratio Lower Upper  
 82 100  
 128 44.6 26.4 39.6#  
 54 60.3 49.4 74.2



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 15.06 min Scan# 1902  
 Delta R.T. -0.00 min  
 Lab File: BG027824.D  
 Acq: 2 Jul 2017 18:32

Tgt Ion: 164 Resp: 85626  
 Ion Ratio Lower Upper  
 164 100  
 162 109.6 85.1 127.7  
 160 49.2 34.7 52.1

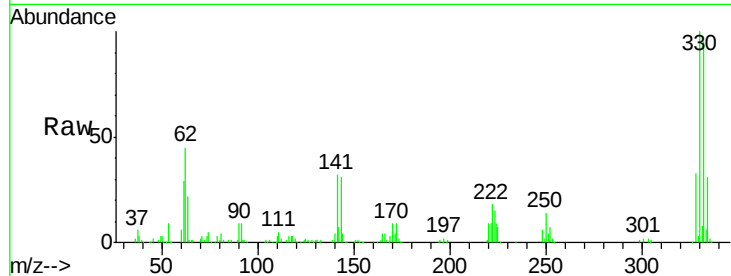




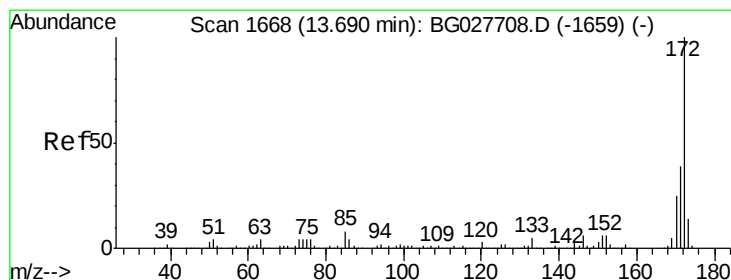
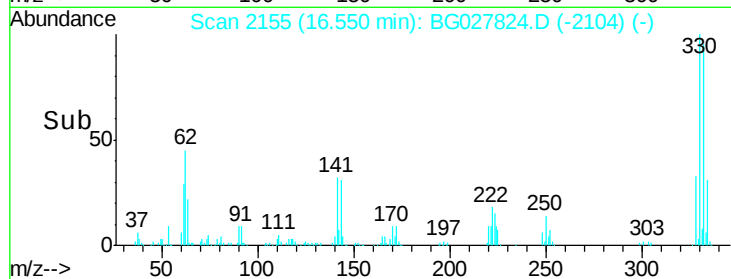
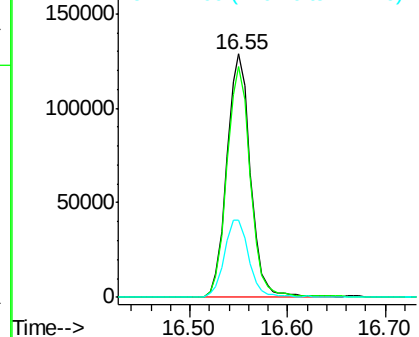
#41  
 2,4,6-Tribromophenol  
 Concen: 183.788 ng  
 RT: 16.55 min Scan# 2155  
 Delta R.T. -0.00 min  
 Lab File: BG027824.D  
 Acq: 2 Jul 2017 18:32

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-11

Tgt Ion:330 Resp: 215850  
 Ion Ratio Lower Upper  
 330 100  
 332 94.7 77.3 115.9  
 141 33.3 32.1 48.1

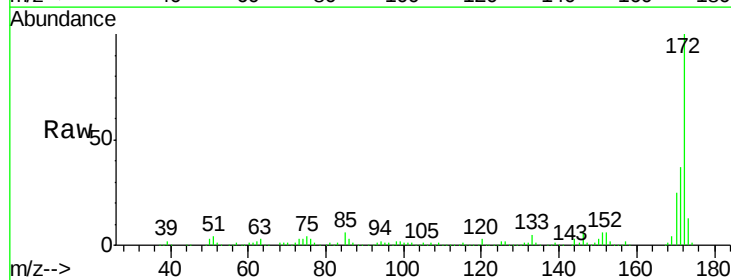


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

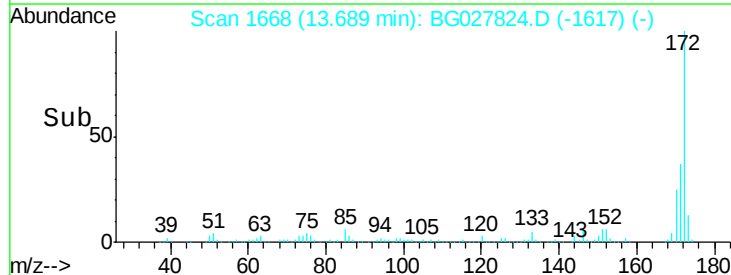
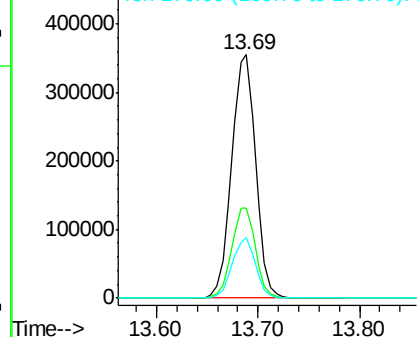


#44  
 2-Fluorobiphenyl  
 Concen: 97.142 ng  
 RT: 13.69 min Scan# 1668  
 Delta R.T. -0.00 min  
 Lab File: BG027824.D  
 Acq: 2 Jul 2017 18:32

Tgt Ion:172 Resp: 582413  
 Ion Ratio Lower Upper  
 172 100  
 171 37.0 32.2 48.2  
 170 24.6 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

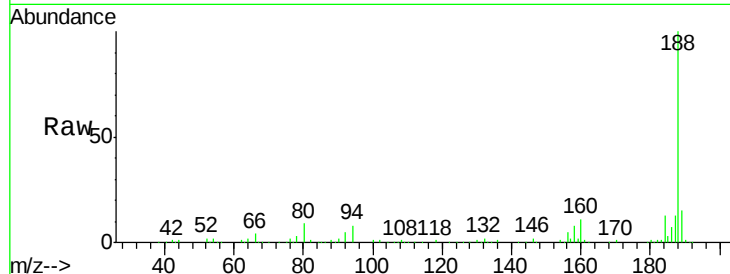




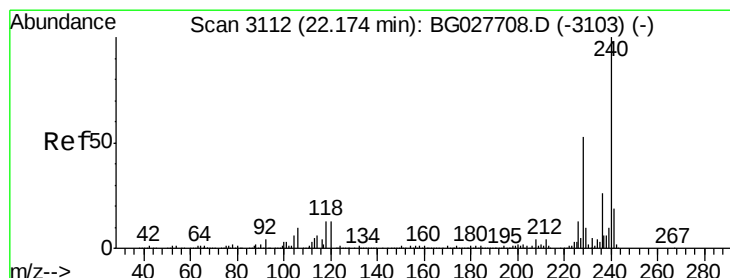
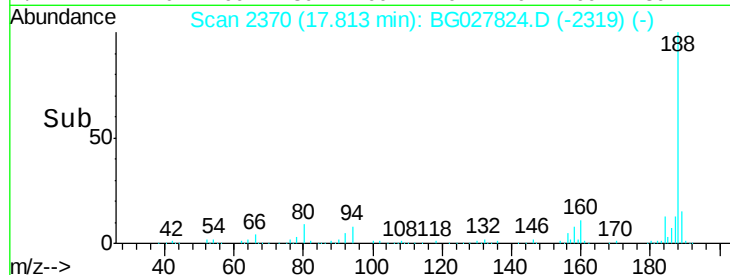
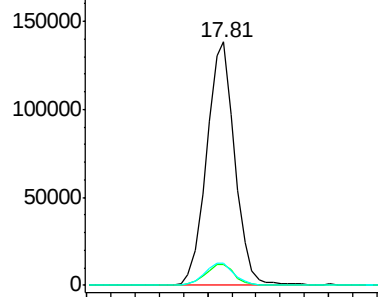
#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.81 min Scan# 2370  
 Delta R.T. -0.00 min  
 Lab File: BG027824.D  
 Acq: 2 Jul 2017 18:32

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-11

Tgt Ion:188 Resp: 224178  
 Ion Ratio Lower Upper  
 188 100  
 94 8.3 5.8 8.8  
 80 9.3 7.5 11.3

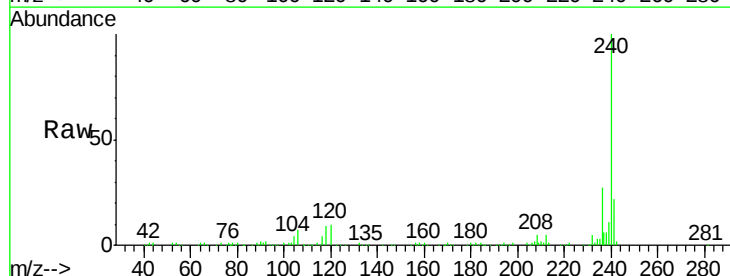


Abundance Ion 188.00 (187.70 to 188.70): E  
 Ion 94.00 (93.70 to 94.70): B  
 Ion 80.00 (79.70 to 80.70): B

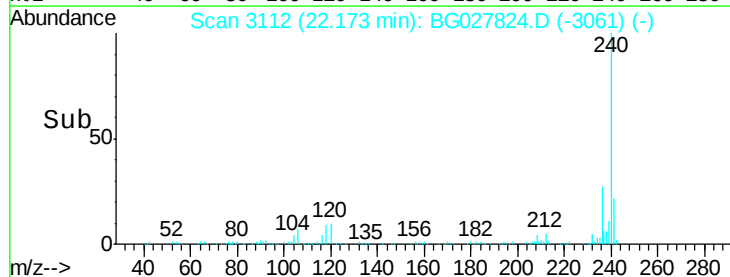
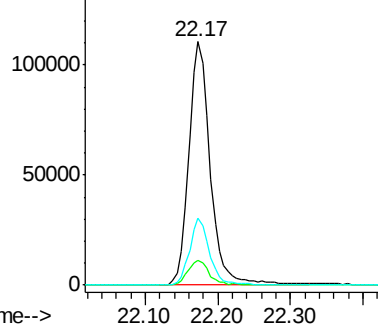


#75  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 22.17 min Scan# 3112  
 Delta R.T. -0.00 min  
 Lab File: BG027824.D  
 Acq: 2 Jul 2017 18:32

Tgt Ion:240 Resp: 227937  
 Ion Ratio Lower Upper  
 240 100  
 120 10.2 5.7 8.5#  
 236 27.4 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: 111.284 ng

RT: 20.39 min Scan# 2809

Delta R.T. 0.00 min

Lab File: BG027824.D

Acq: 2 Jul 2017 18:32

Instrument :

BNA\_G

ClientSampled :

TP-11

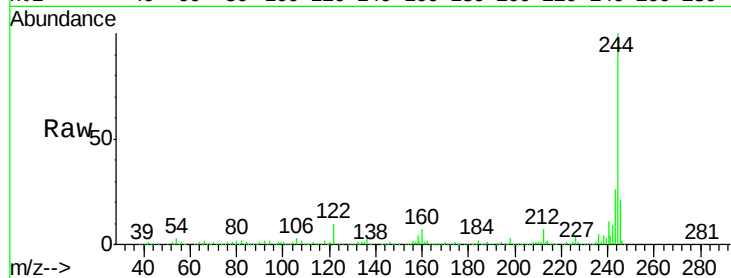
Tgt Ion:244 Resp: 1081985

Ion Ratio Lower Upper

244 100

212 7.4 10.0 15.0#

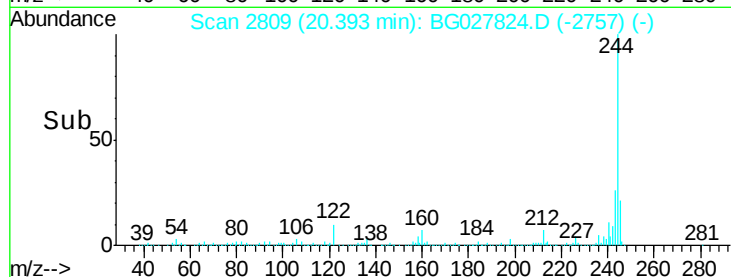
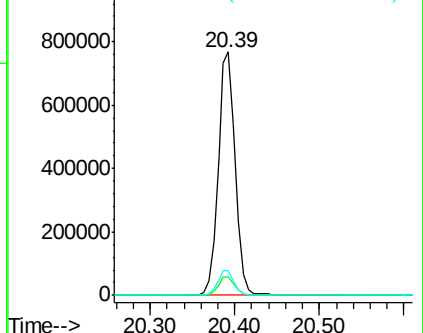
122 10.0 8.6 12.8



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: 25.80 min Scan# 3729

Delta R.T. 0.01 min

Lab File: BG027824.D

Acq: 2 Jul 2017 18:32

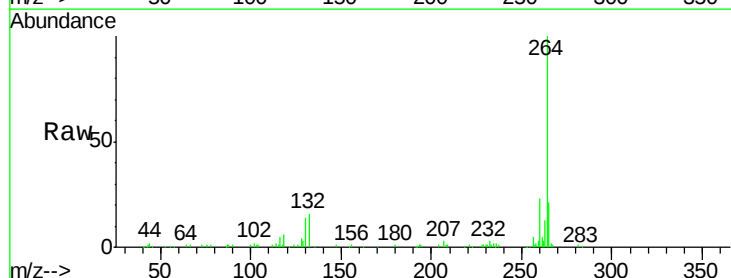
Tgt Ion:264 Resp: 199289

Ion Ratio Lower Upper

264 100

260 23.3 21.8 32.8

265 20.8 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

