

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG110416\  
 Data File : BG024686.D  
 Acq On : 4 Nov 2016 21:56  
 Operator : UM/SJ  
 Sample : PB94526BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB94526BL

Quant Time: Nov 05 00:30:29 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG102516.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 26 11:14:13 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.27  | 152  | 101203   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 11.09 | 136  | 393999   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.88 | 164  | 309048   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.63 | 188  | 726863   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.92 | 240  | 1006726  | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 25.35 | 264  | 996938   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.80  | 112  | 795028   | 128.76 | ng    | 0.00     |
| 7) Phenol-d6                | 7.40  | 99   | 1095869  | 129.38 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.44  | 82   | 788386   | 91.10  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.37 | 330  | 604324   | 130.89 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.51 | 172  | 1600730  | 86.09  | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.21 | 244  | 2998059  | 88.99  | ng    | 0.00     |

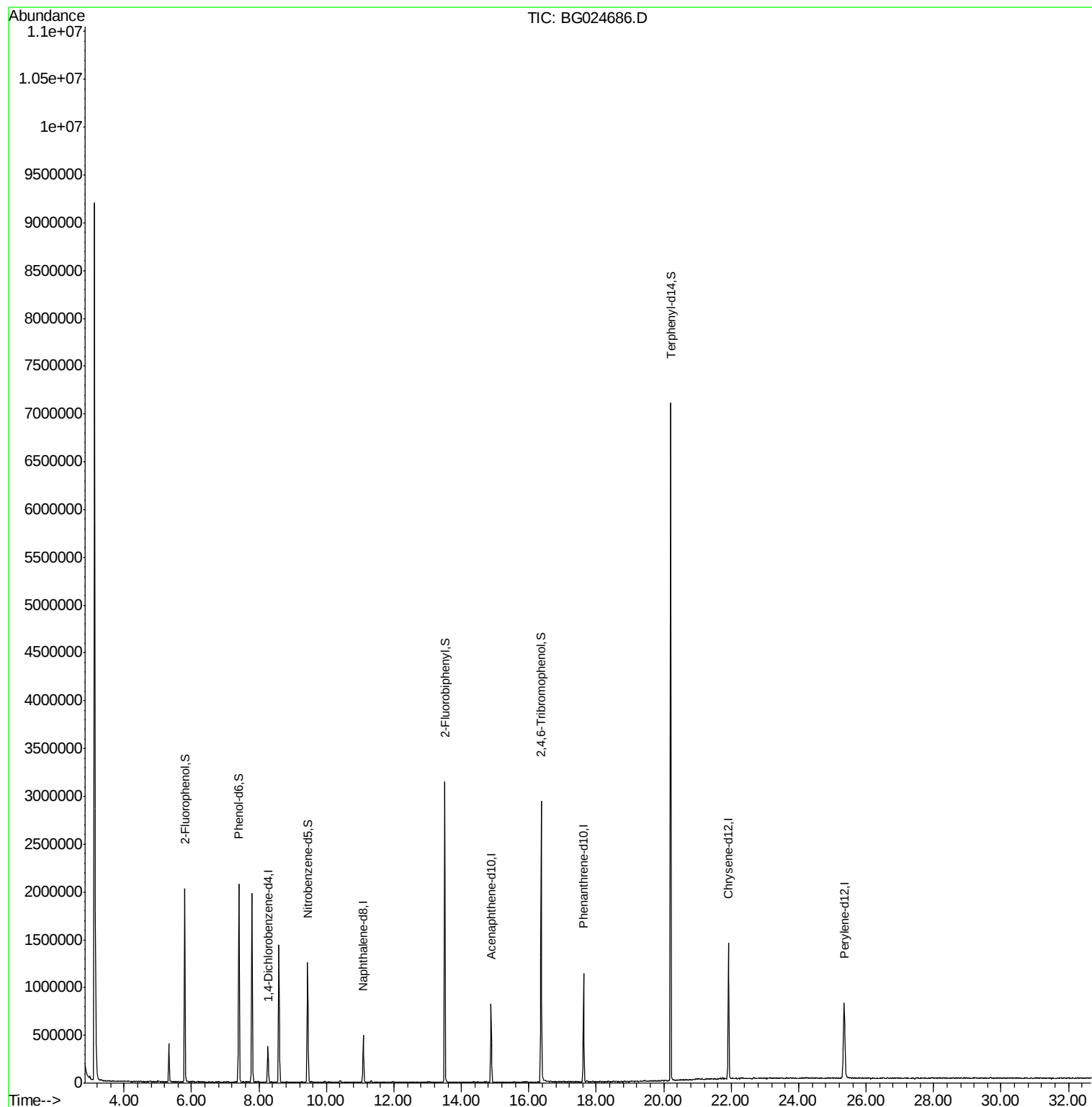
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

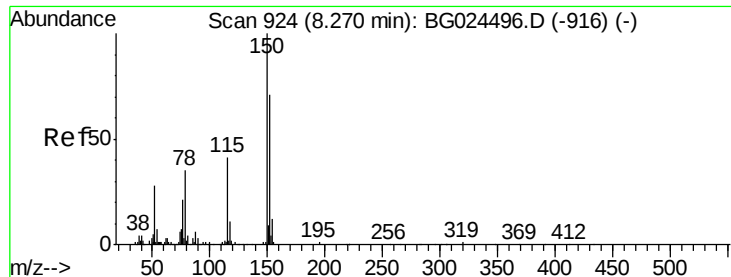
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 26 11:14:13 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.27 min Scan# 924

Delta R.T. -0.00 min

Lab File: BG024686.D

Acq: 4 Nov 2016 21:56

Instrument :

BNA\_G

ClientSampleId :

PB94526BL

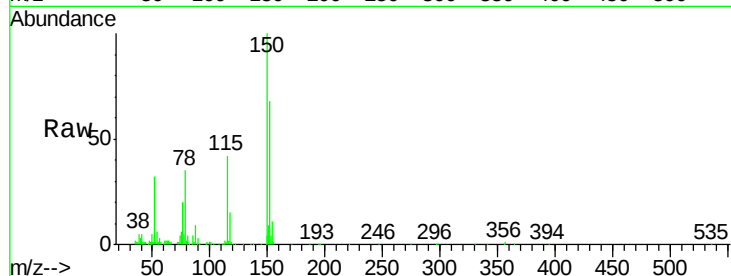
Tgt Ion:152 Resp: 101203

Ion Ratio Lower Upper

152 100

150 146.0 114.0 171.0

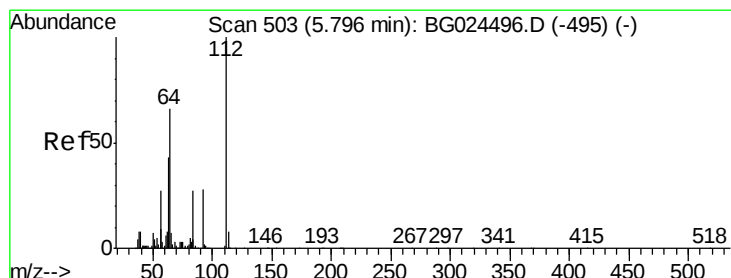
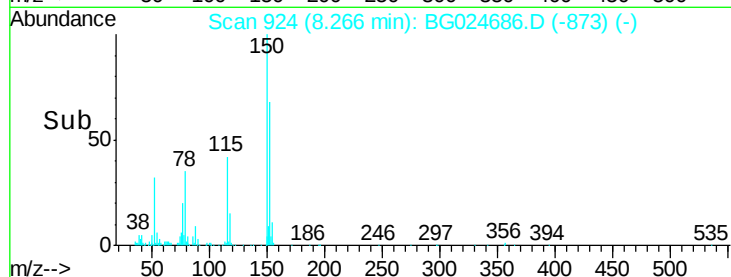
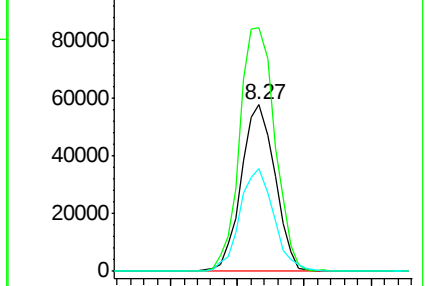
115 61.6 48.1 72.1



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: 128.76 ng

RT: 5.80 min Scan# 504

Delta R.T. 0.00 min

Lab File: BG024686.D

Acq: 4 Nov 2016 21:56

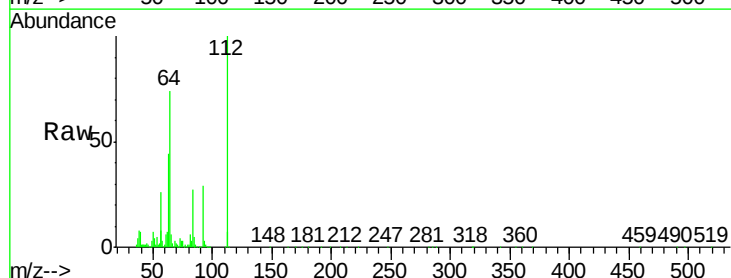
Tgt Ion:112 Resp: 795028

Ion Ratio Lower Upper

112 100

64 73.5 61.8 92.6

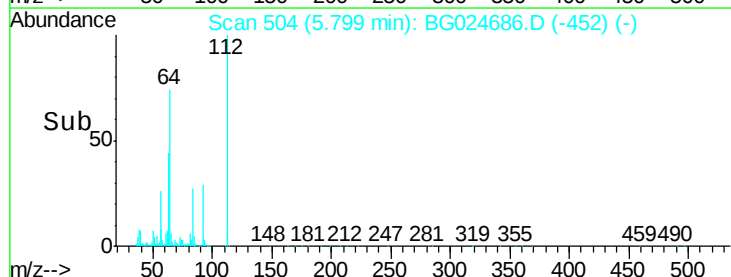
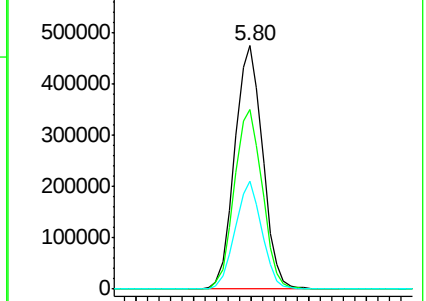
63 44.3 37.2 55.8

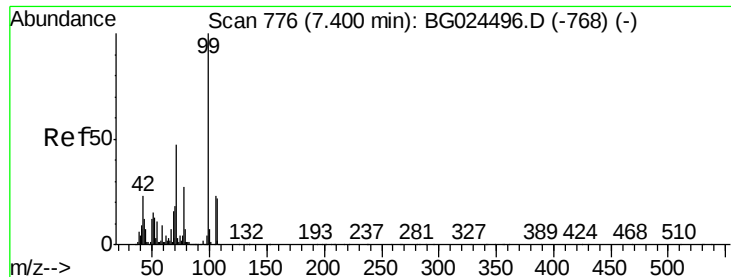


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 129.38 ng

RT: 7.40 min Scan# 777

Delta R.T. 0.00 min

Lab File: BG024686.D

Acq: 4 Nov 2016 21:56

Instrument :

BNA\_G

ClientSampleId :

PB94526BL

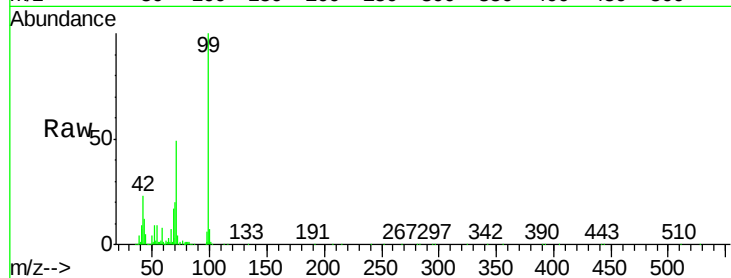
Tgt Ion: 99 Resp: 1095869

Ion Ratio Lower Upper

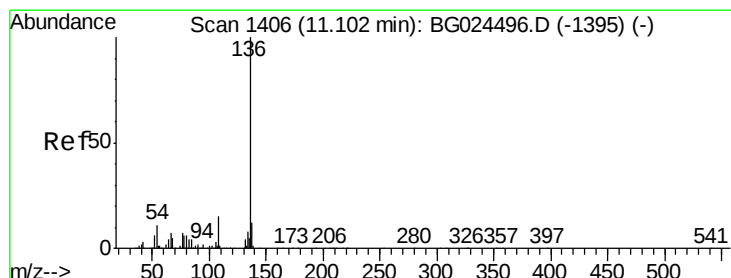
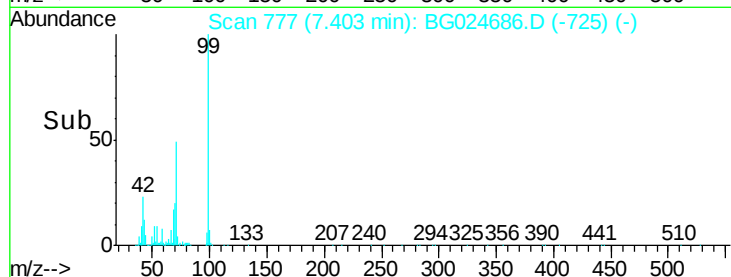
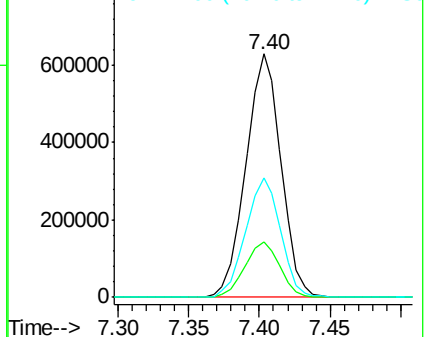
99 100

42 22.7 20.5 30.7

71 49.2 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: 20.00 ng

RT: 11.09 min Scan# 1405

Delta R.T. -0.01 min

Lab File: BG024686.D

Acq: 4 Nov 2016 21:56

Tgt Ion: 136 Resp: 393999

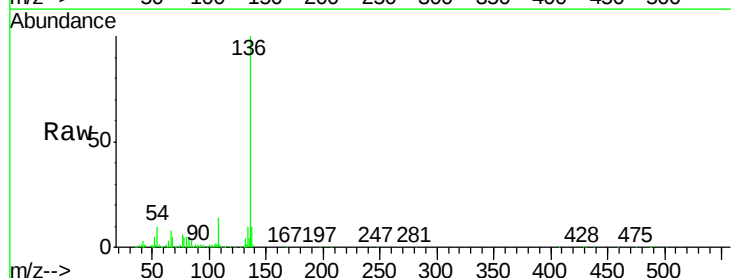
Ion Ratio Lower Upper

136 100

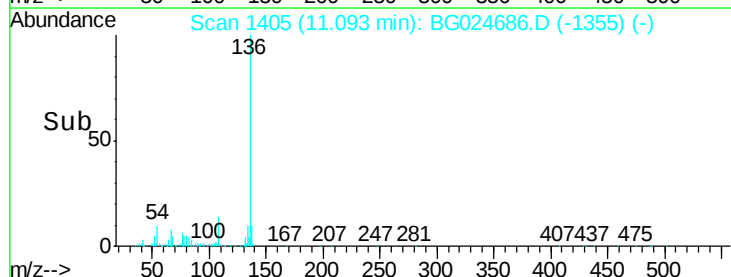
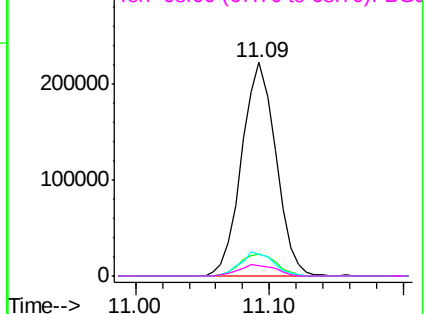
137 10.0 8.9 13.3

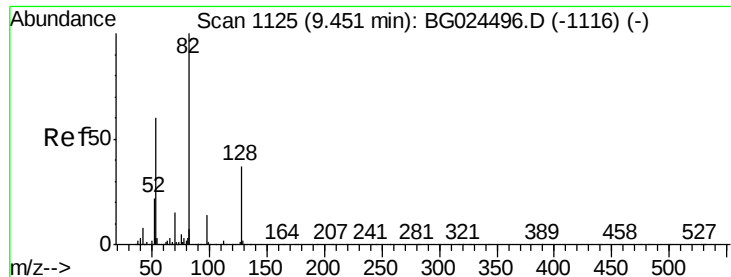
54 10.4 9.3 13.9

68 4.5 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: 91.10 ng

RT: 9.44 min Scan# 1124

Delta R.T. -0.01 min

Lab File: BG024686.D

Acq: 4 Nov 2016 21:56

Instrument :

BNA\_G

ClientSampled :

PB94526BL

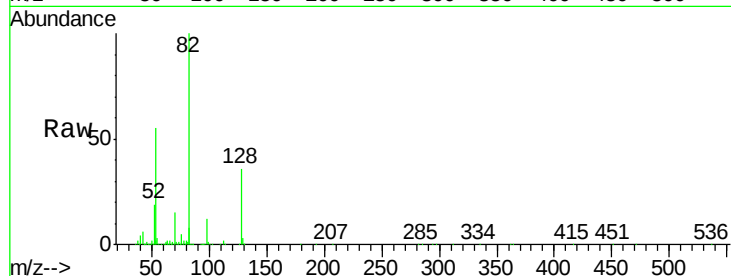
Tgt Ion: 82 Resp: 788386

Ion Ratio Lower Upper

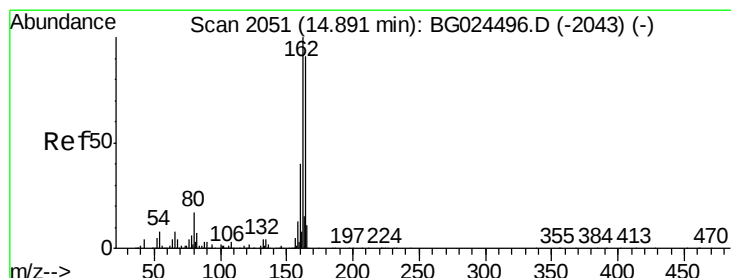
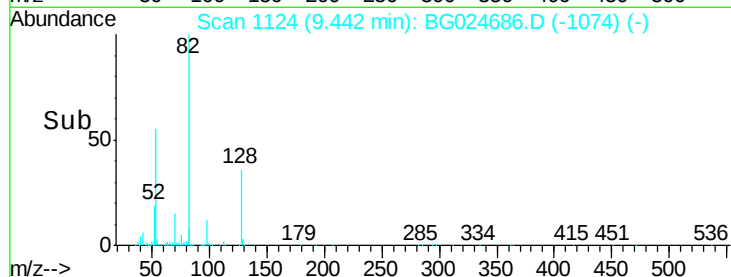
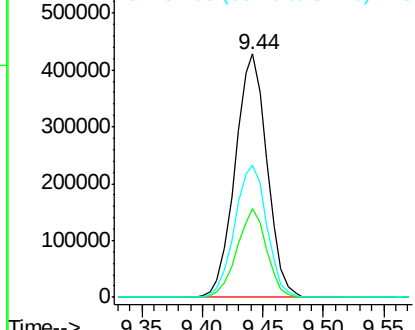
82 100

128 36.2 26.4 39.6

54 54.6 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: 20.00 ng

RT: 14.88 min Scan# 2050

Delta R.T. -0.01 min

Lab File: BG024686.D

Acq: 4 Nov 2016 21:56

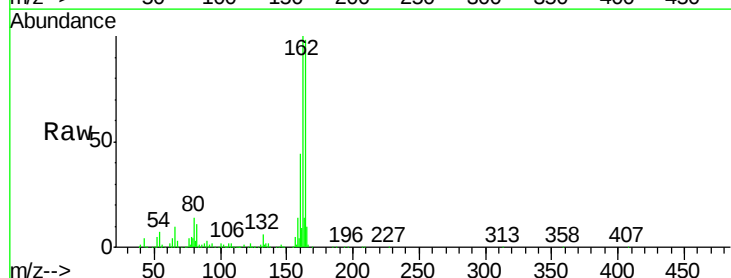
Tgt Ion: 164 Resp: 309048

Ion Ratio Lower Upper

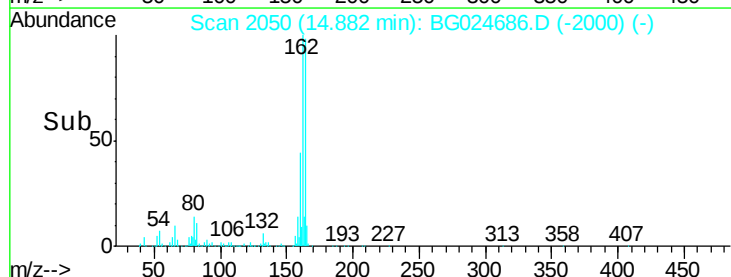
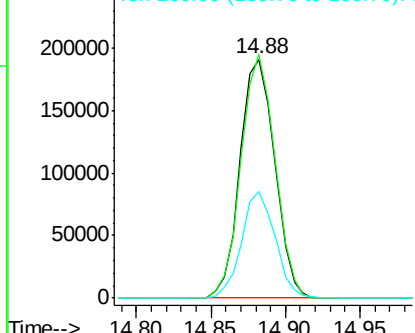
164 100

162 102.1 85.1 127.7

160 44.6 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

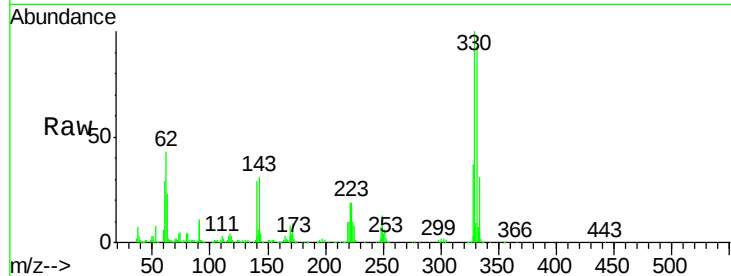




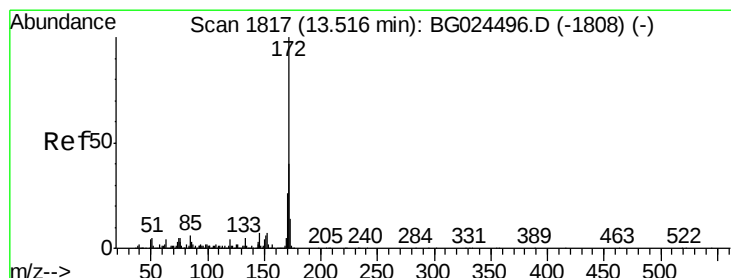
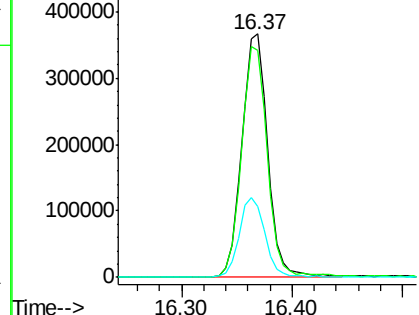
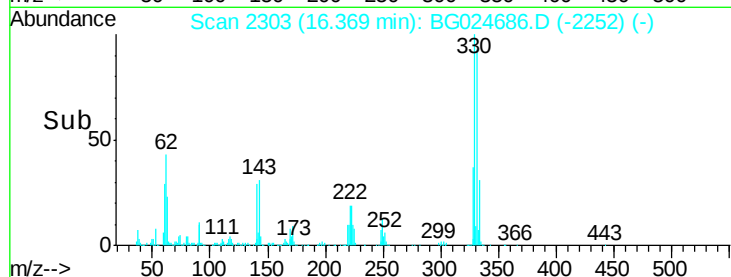
#41  
 2,4,6-Tribromophenol  
 Concen: 130.89 ng  
 RT: 16.37 min Scan# 2303  
 Delta R.T. -0.00 min  
 Lab File: BG024686.D  
 Acq: 4 Nov 2016 21:56

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB94526BL

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.3  | 77.3  | 115.9 |
| 141     | 32.9  | 32.1  | 48.1  |

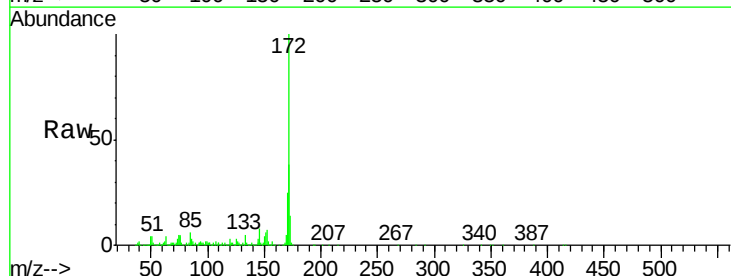


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

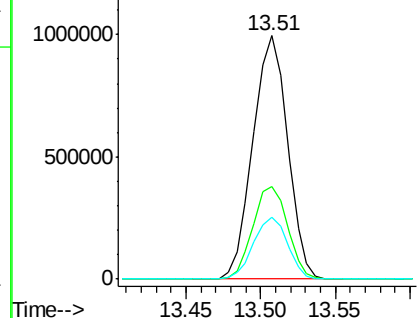
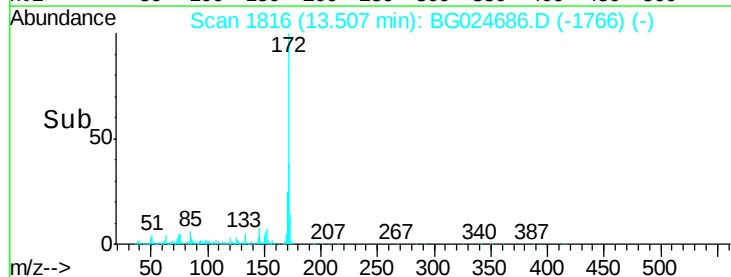


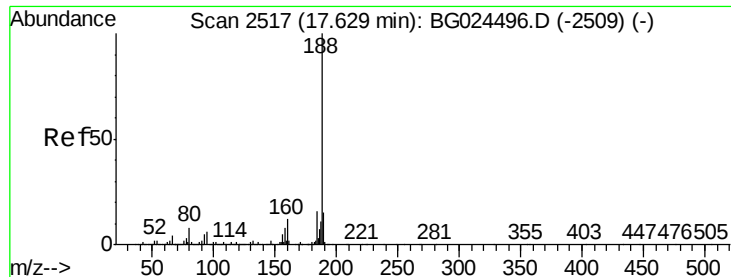
#44  
 2-Fluorobiphenyl  
 Concen: 86.09 ng  
 RT: 13.51 min Scan# 1816  
 Delta R.T. -0.01 min  
 Lab File: BG024686.D  
 Acq: 4 Nov 2016 21:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.8  | 32.2  | 48.2  |
| 170     | 25.3  | 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: 20.00 ng

RT: 17.63 min Scan# 2517

Delta R.T. -0.00 min

Lab File: BG024686.D

Acq: 4 Nov 2016 21:56

Instrument :

BNA\_G

ClientSampleId :

PB94526BL

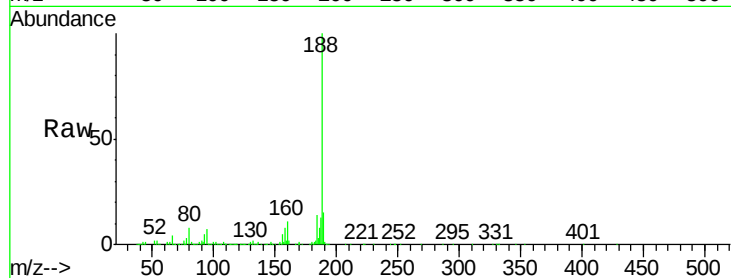
Tgt Ion:188 Resp: 726863

Ion Ratio Lower Upper

188 100

94 6.7 5.8 8.8

80 8.0 7.5 11.3



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG

600000

500000

400000

300000

200000

100000

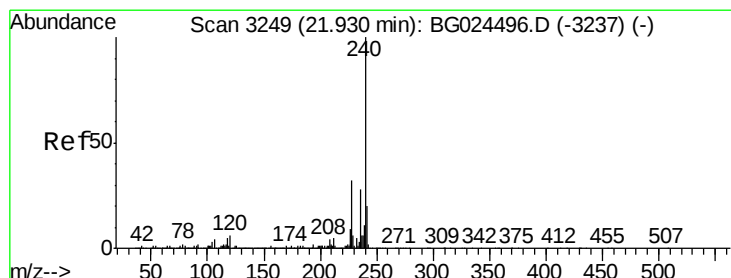
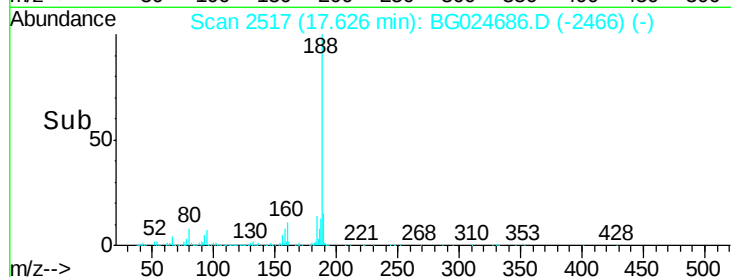
0

17.63

17.60

17.70

Time-->



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.92 min Scan# 3247

Delta R.T. -0.01 min

Lab File: BG024686.D

Acq: 4 Nov 2016 21:56

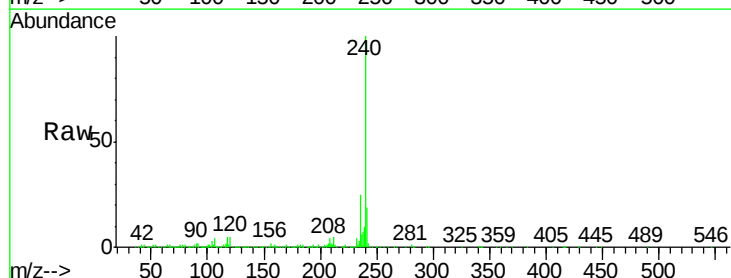
Tgt Ion:240 Resp: 1006726

Ion Ratio Lower Upper

240 100

120 5.3 5.7 8.5#

236 24.5 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

600000

400000

200000

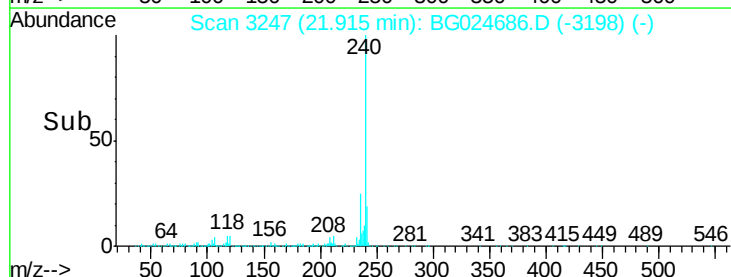
0

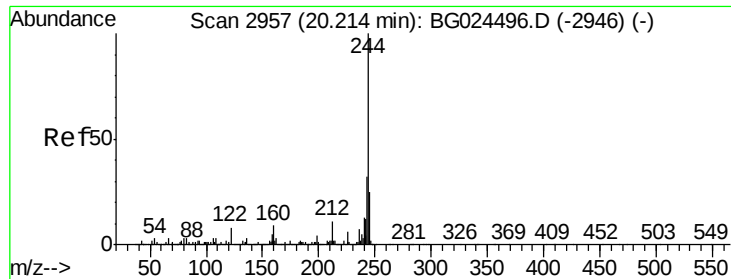
21.92

21.80

22.00

Time-->





#78

Terphenyl-d14

Concen: 88.99 ng

RT: 20.21 min Scan# 2956

Delta R.T. -0.01 min

Lab File: BG024686.D

Acq: 4 Nov 2016 21:56

Instrument :

BNA\_G

ClientSampled :

PB94526BL

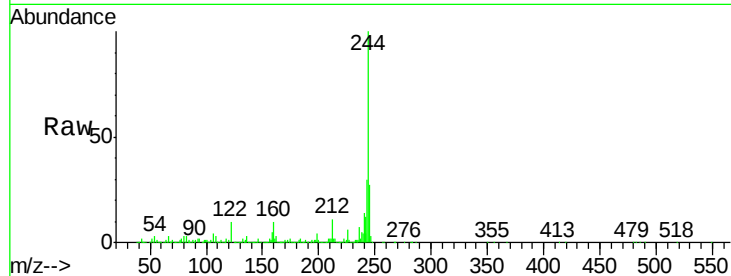
Tgt Ion:244 Resp: 2998059

Ion Ratio Lower Upper

244 100

212 10.6 10.0 15.0

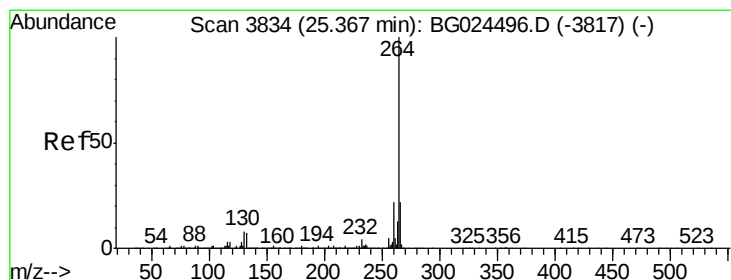
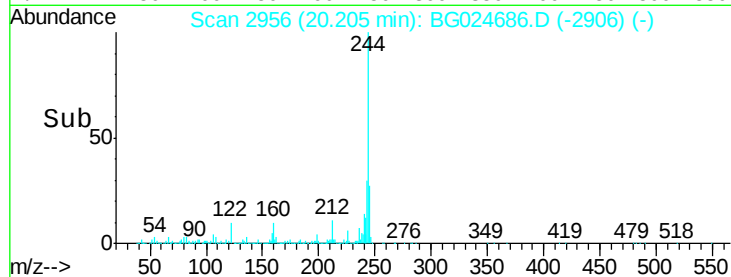
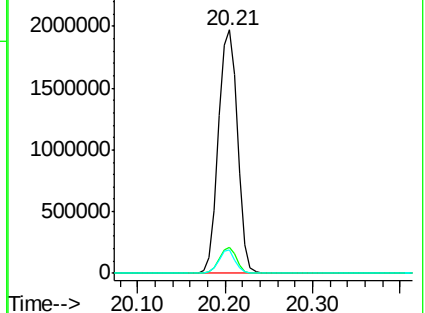
122 9.5 8.6 12.8



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: 20.00 ng

RT: 25.35 min Scan# 3831

Delta R.T. -0.02 min

Lab File: BG024686.D

Acq: 4 Nov 2016 21:56

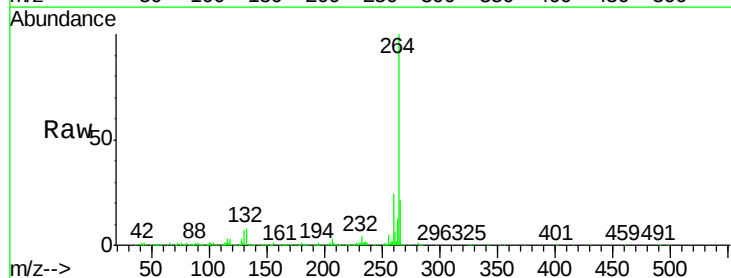
Tgt Ion:264 Resp: 996938

Ion Ratio Lower Upper

264 100

260 23.6 21.8 32.8

265 21.3 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

