

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG060616\  
 Data File : BG022192.D  
 Acq On : 7 Jun 2016 6:36  
 Operator : UM/SJ  
 Sample : PB91121BL  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB91121BL

Quant Time: Jun 07 07:34:44 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG060616.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 06 16:12:45 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.12  | 152  | 25699    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.94 | 136  | 114938   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.75 | 164  | 70244    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.49 | 188  | 177447   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.77 | 240  | 182479   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 25.06 | 264  | 173258   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.67  | 112  | 180681   | 135.94 | ng    | 0.00     |
| 7) Phenol-d6                | 7.28  | 99   | 250081   | 119.67 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.29  | 82   | 115732   | 70.20  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.23 | 330  | 96858    | 122.03 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.37 | 172  | 355967   | 77.23  | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.08 | 244  | 633651   | 82.44  | ng    | 0.00     |

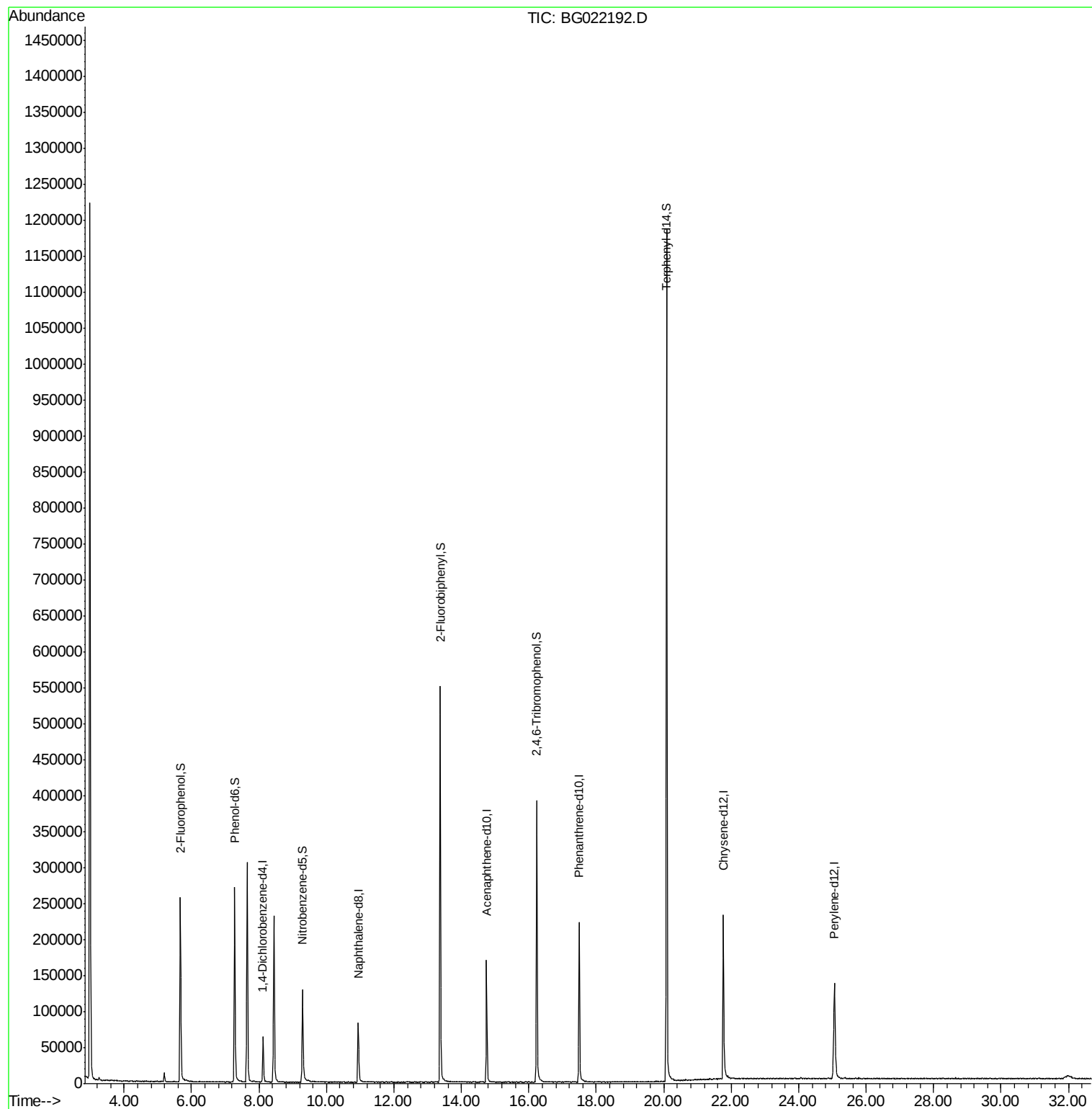
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

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

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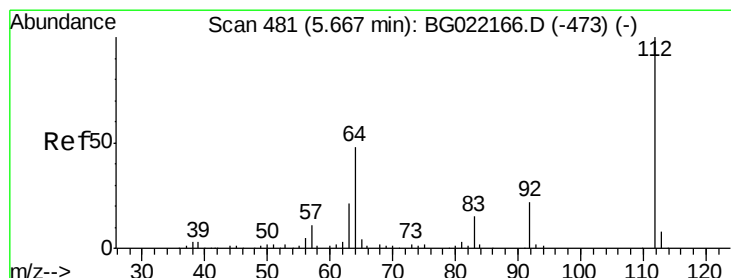
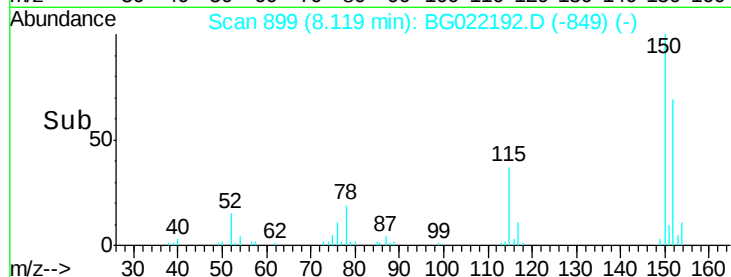
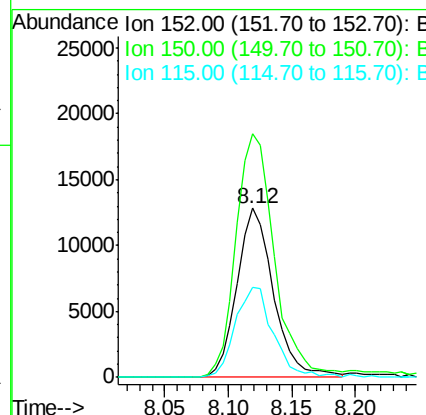
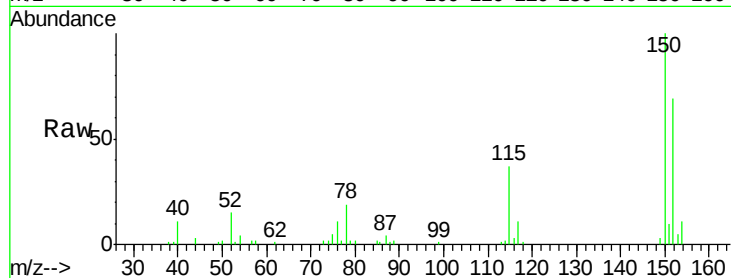




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 8.12 min Scan# 899  
 Delta R.T. -0.00 min  
 Lab File: BG022192.D  
 Acq: 7 Jun 2016 6:36

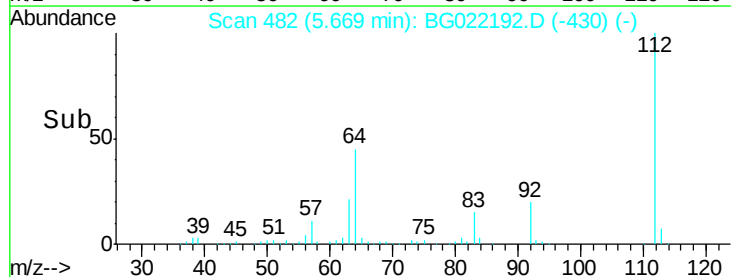
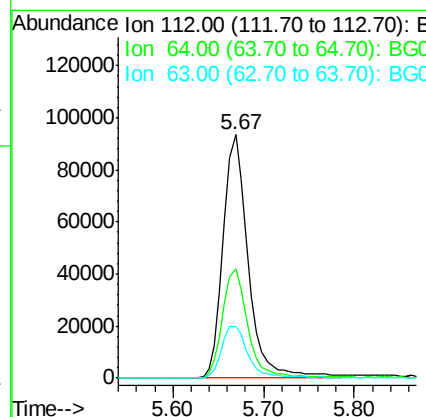
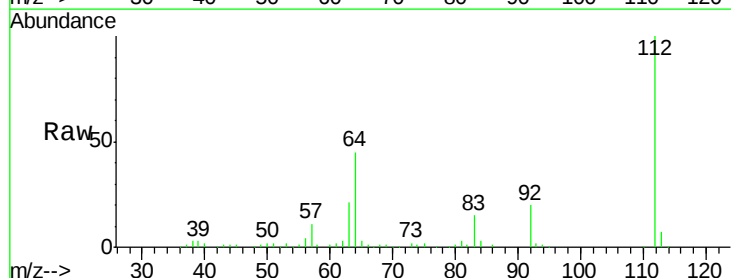
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB91121BL

Tgt Ion:152 Resp: 25699  
 Ion Ratio Lower Upper  
 152 100  
 150 144.0 130.1 195.1  
 115 53.2 62.2 93.2#



#5  
 2-Fluorophenol  
 Concen: 135.94 ng  
 RT: 5.67 min Scan# 482  
 Delta R.T. 0.00 min  
 Lab File: BG022192.D  
 Acq: 7 Jun 2016 6:36

Tgt Ion:112 Resp: 180681  
 Ion Ratio Lower Upper  
 112 100  
 64 44.8 51.1 76.7#  
 63 21.1 24.6 37.0#





#7

Phenol-d6

Concen: 119.67 ng

RT: 7.28 min Scan# 756

Delta R.T. 0.00 min

Lab File: BG022192.D

Acq: 7 Jun 2016 6:36

Instrument :

BNA\_G

ClientSampleId :

PB91121BL

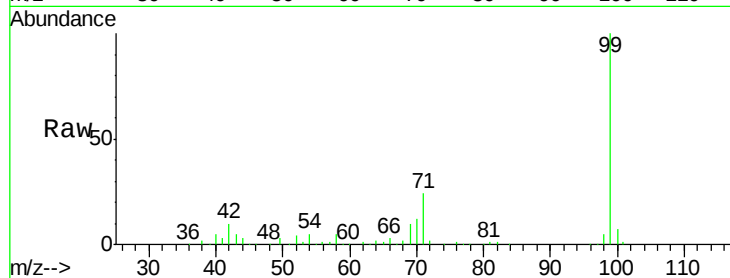
Tgt Ion: 99 Resp: 250081

Ion Ratio Lower Upper

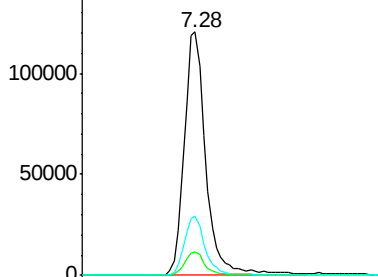
99 100

42 9.8 16.4 24.6#

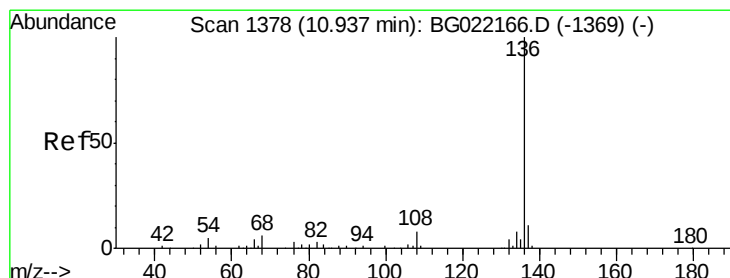
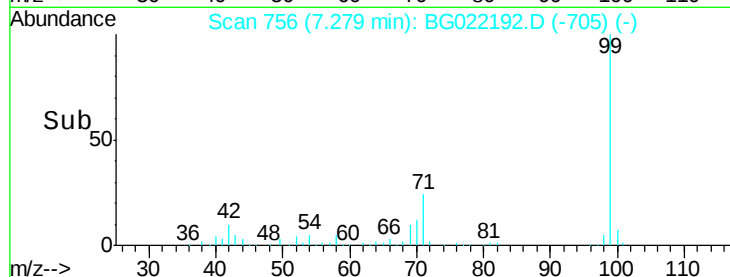
71 24.3 25.0 37.4#



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



Time-->



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.94 min Scan# 1379

Delta R.T. 0.00 min

Lab File: BG022192.D

Acq: 7 Jun 2016 6:36

Tgt Ion: 136 Resp: 114938

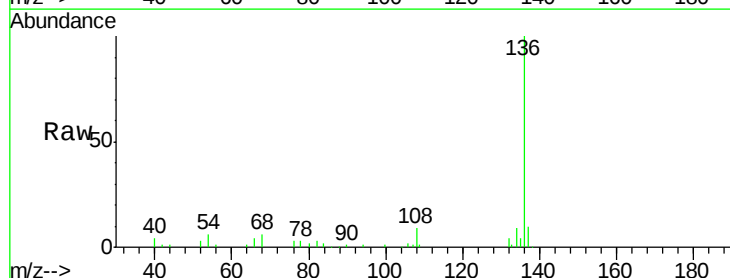
Ion Ratio Lower Upper

136 100

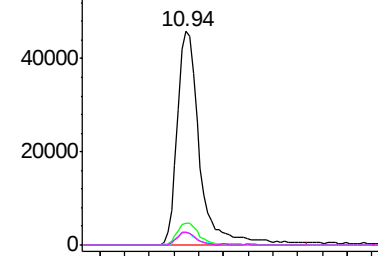
137 10.3 9.0 13.4

54 5.9 9.6 14.4#

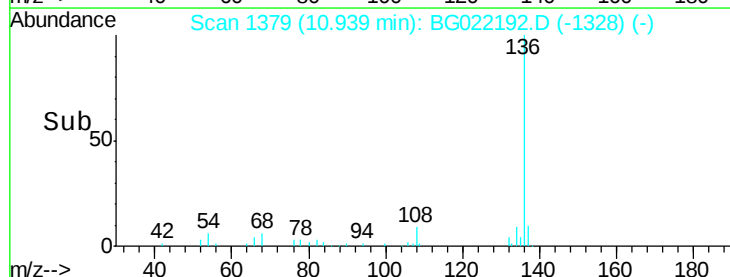
68 6.0 6.4 9.6#



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



Time-->

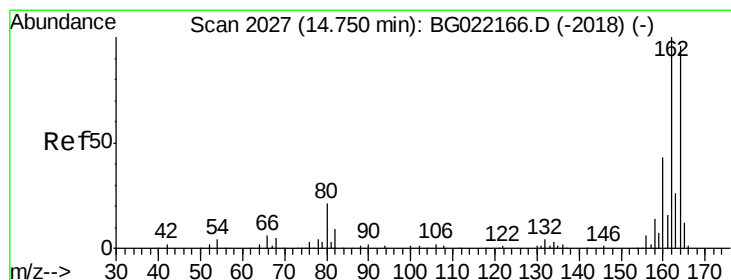
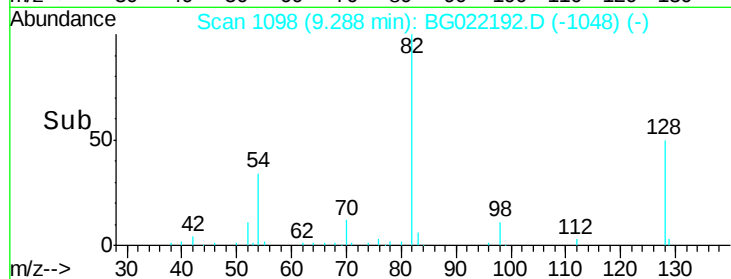
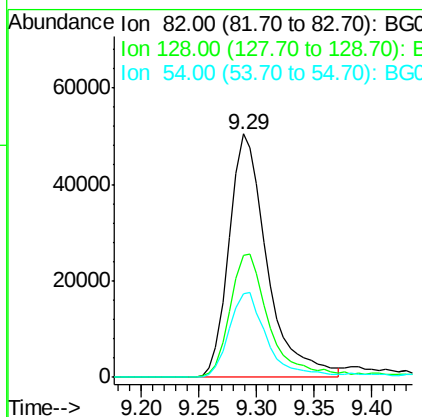
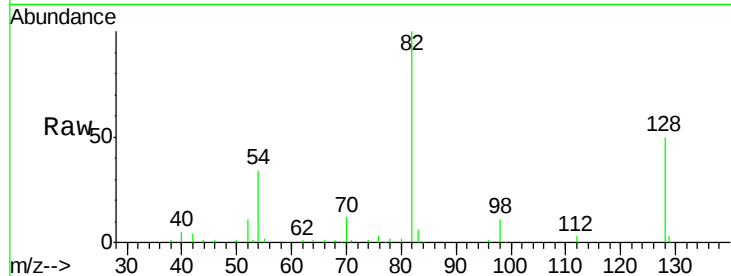




#23  
 Nitrobenzene-d5  
 Concen: 70.20 ng  
 RT: 9.29 min Scan# 1098  
 Delta R.T. -0.00 min  
 Lab File: BG022192.D  
 Acq: 7 Jun 2016 6:36

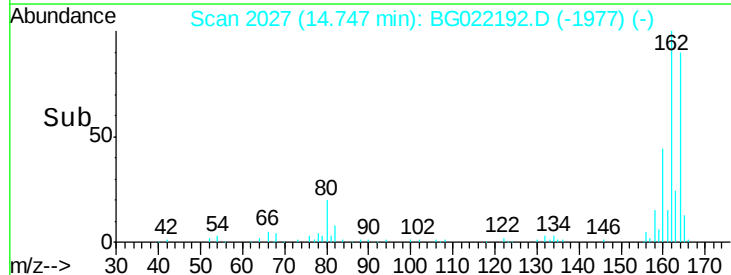
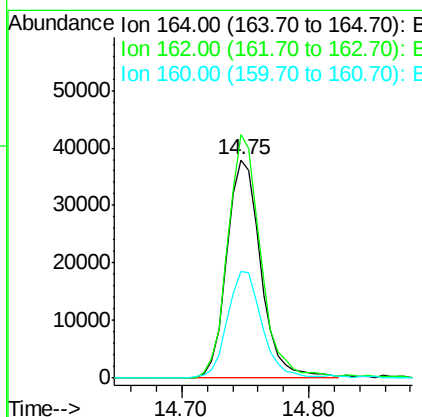
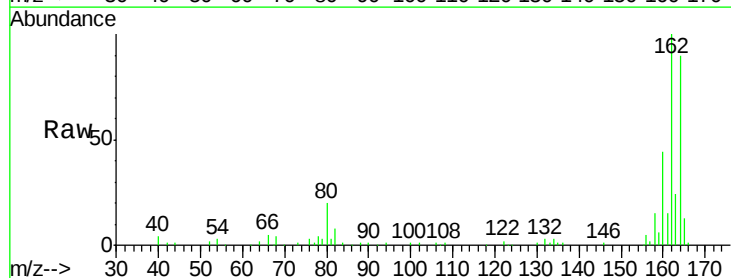
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB91121BL

Tgt Ion: 82 Resp: 115732  
 Ion Ratio Lower Upper  
 82 100  
 128 50.3 33.4 50.0#  
 54 34.4 46.1 69.1#



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.75 min Scan# 2027  
 Delta R.T. -0.00 min  
 Lab File: BG022192.D  
 Acq: 7 Jun 2016 6:36

Tgt Ion: 164 Resp: 70244  
 Ion Ratio Lower Upper  
 164 100  
 162 111.5 78.0 117.0  
 160 48.7 32.9 49.3

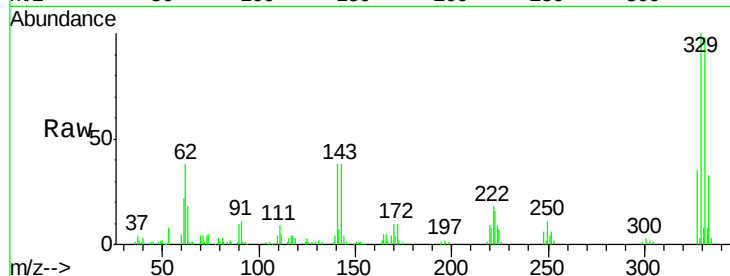




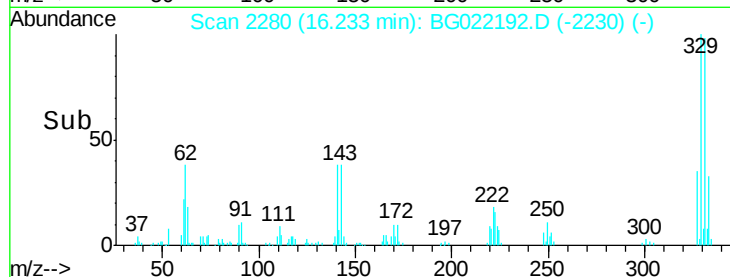
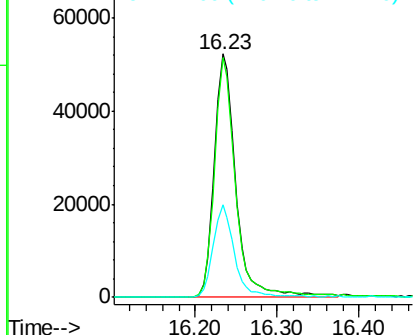
#41  
 2,4,6-Tribromophenol  
 Concen: 122.03 ng  
 RT: 16.23 min Scan# 2280  
 Delta R.T. -0.00 min  
 Lab File: BG022192.D  
 Acq: 7 Jun 2016 6:36

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB91121BL

Tgt Ion:330 Resp: 96858  
 Ion Ratio Lower Upper  
 330 100  
 332 95.7 78.0 117.0  
 141 36.8 33.8 50.8

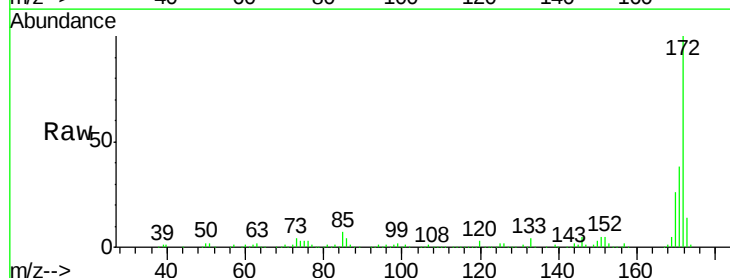


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

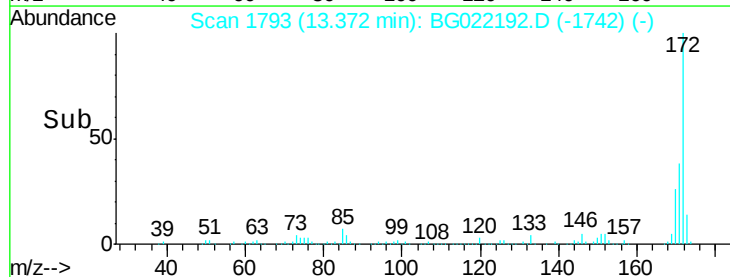
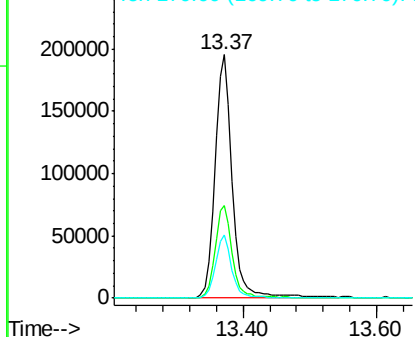


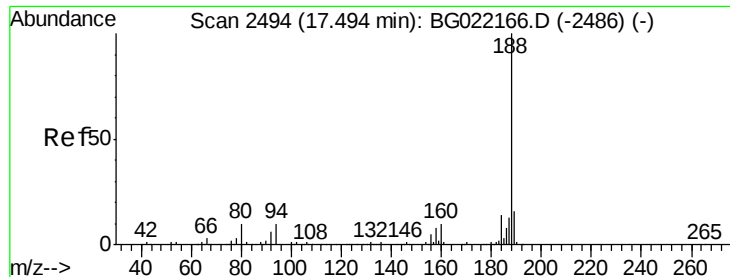
#44  
 2-Fluorobiphenyl  
 Concen: 77.23 ng  
 RT: 13.37 min Scan# 1793  
 Delta R.T. 0.00 min  
 Lab File: BG022192.D  
 Acq: 7 Jun 2016 6:36

Tgt Ion:172 Resp: 355967  
 Ion Ratio Lower Upper  
 172 100  
 171 38.1 27.8 41.6  
 170 25.9 19.6 29.4



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: 17.49 min Scan# 2494

Delta R.T. -0.00 min

Lab File: BG022192.D

Acq: 7 Jun 2016 6:36

Instrument :

BNA\_G

ClientSampleId :

PB91121BL

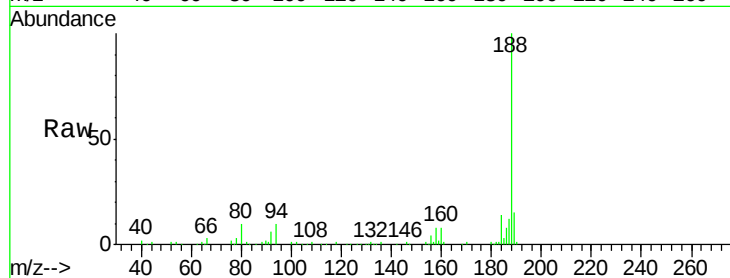
Tgt Ion:188 Resp: 177447

Ion Ratio Lower Upper

188 100

94 10.2 7.5 11.3

80 10.2 8.6 13.0



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

120000

100000

80000

60000

40000

20000

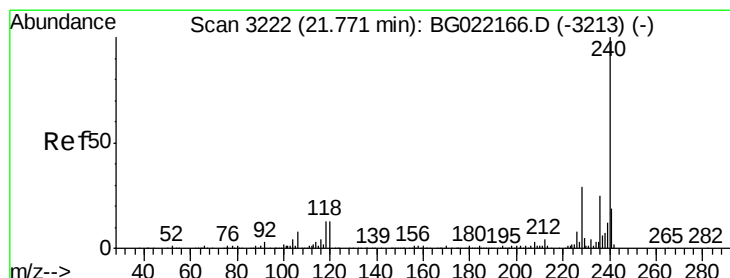
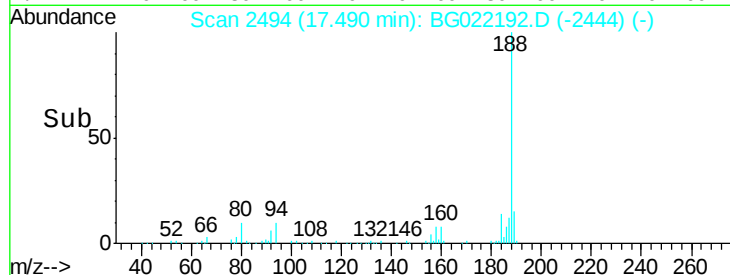
0

17.40

17.50

17.60

Time-->



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.77 min Scan# 3222

Delta R.T. -0.00 min

Lab File: BG022192.D

Acq: 7 Jun 2016 6:36

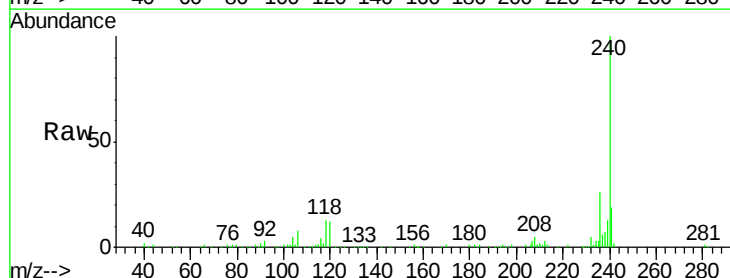
Tgt Ion:240 Resp: 182479

Ion Ratio Lower Upper

240 100

120 12.3 8.4 12.6

236 26.4 19.6 29.4



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

100000

80000

60000

40000

20000

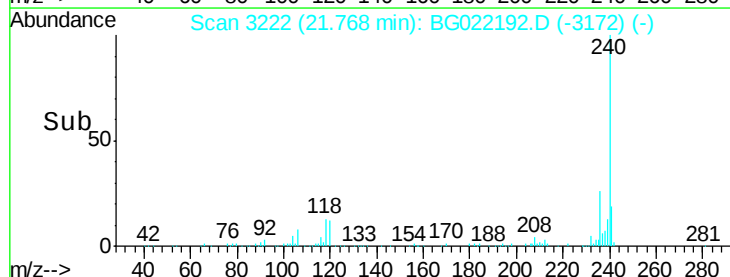
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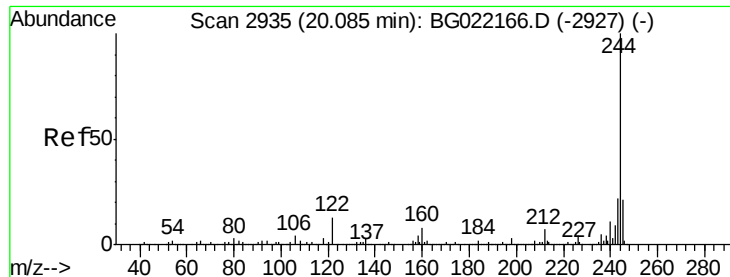
21.60

21.80

22.00

Time-->





#78

Terphenyl-d14

Concen: 82.44 ng

RT: 20.08 min Scan# 2935

Delta R.T. -0.00 min

Lab File: BG022192.D

Acq: 7 Jun 2016 6:36

Instrument :

BNA\_G

ClientSampled :

PB91121BL

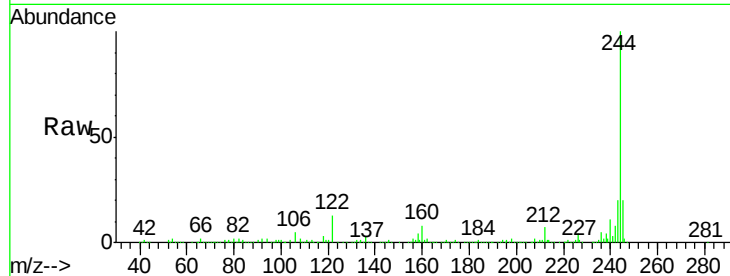
Tgt Ion:244 Resp: 633651

Ion Ratio Lower Upper

244 100

212 7.3 6.5 9.7

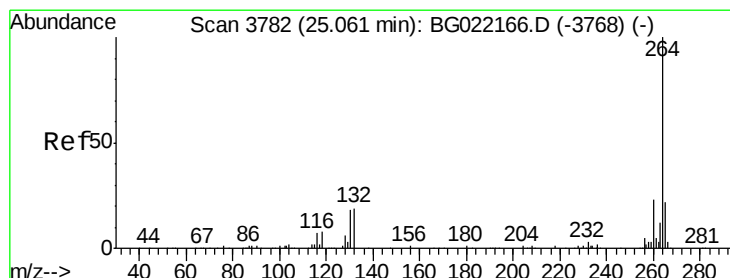
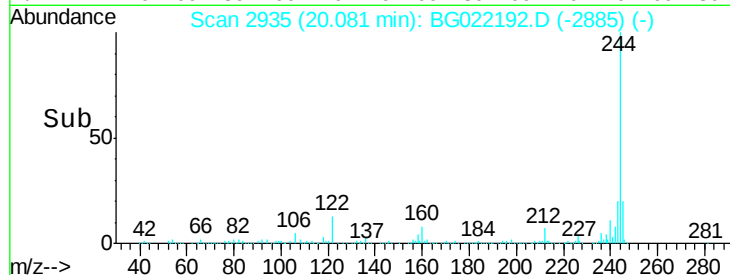
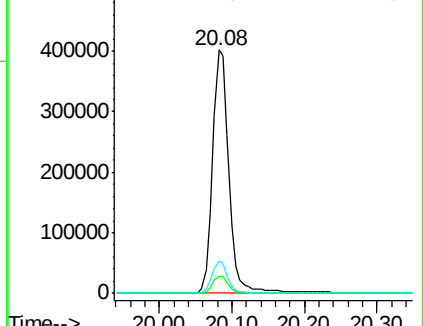
122 13.1 8.6 12.8#



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: 25.06 min Scan# 3782

Delta R.T. -0.00 min

Lab File: BG022192.D

Acq: 7 Jun 2016 6:36

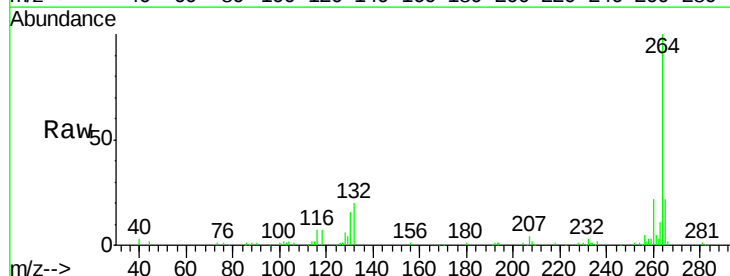
Tgt Ion:264 Resp: 173258

Ion Ratio Lower Upper

264 100

260 22.4 20.2 30.4

265 22.1 17.8 26.8



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

