

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080316\  
 Data File : BG023445.D  
 Acq On : 4 Aug 2016 9:18  
 Operator : UM/SJ  
 Sample : PB92660BL  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB92660BL

Quant Time: Aug 04 16:15:26 2016  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG080116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 01 19:22:14 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.12  | 152  | 102731   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.95 | 136  | 464553   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.78 | 164  | 334333   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.55 | 188  | 916251   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.86 | 240  | 998519   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 25.24 | 264  | 945300   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.66  | 112  | 859697   | 140.86 | ng    | 0.00     |
| 7) Phenol-d6                | 7.28  | 99   | 1280091  | 134.66 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.29  | 82   | 818875   | 87.63  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.28 | 330  | 662594   | 135.49 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.40 | 172  | 1757275  | 88.65  | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.15 | 244  | 2928281  | 93.74  | ng    | 0.00     |

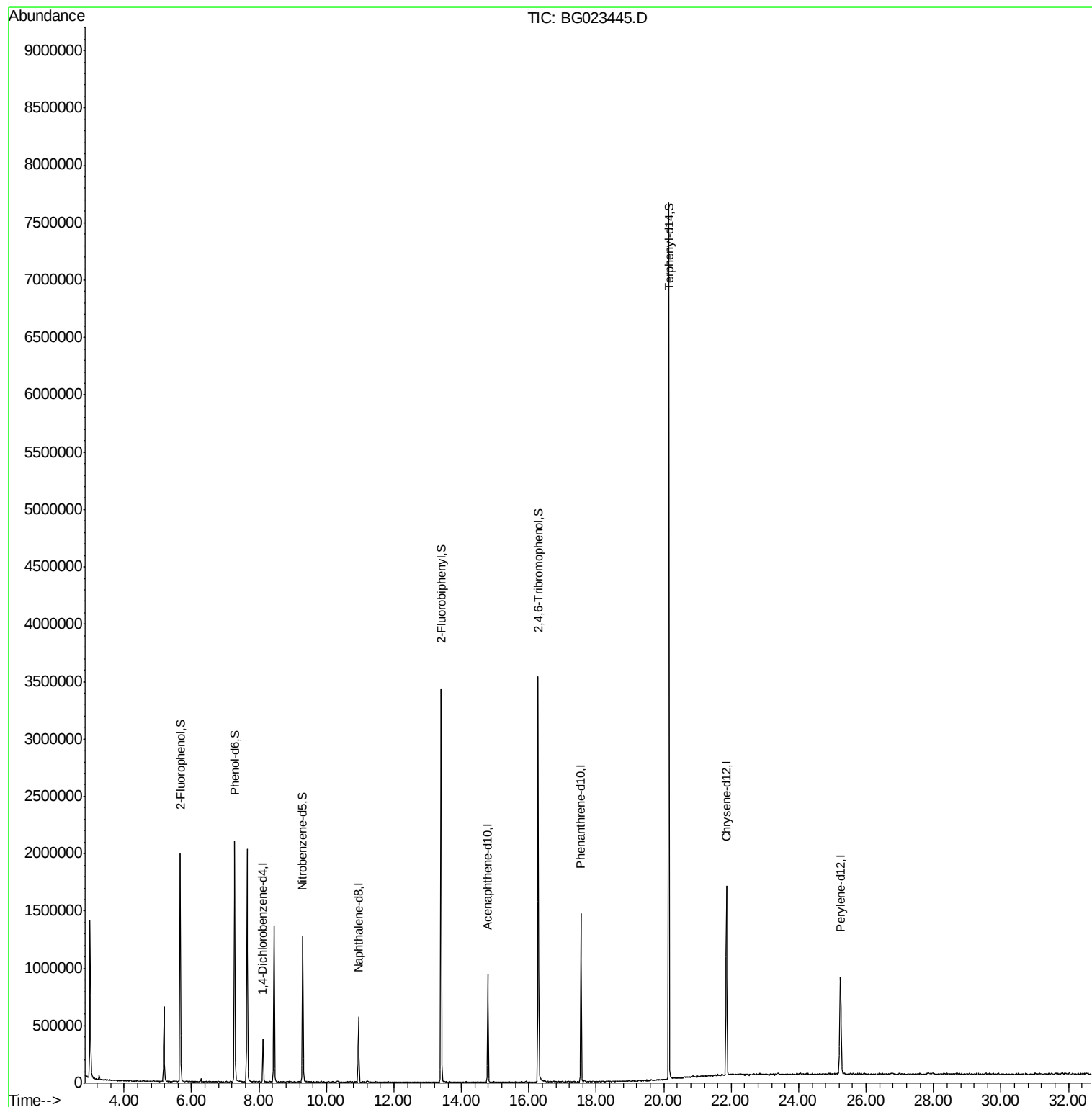
Target Compounds Qvalue

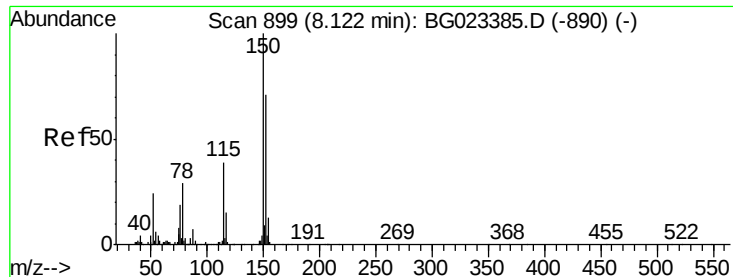
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Aug 01 19:22:14 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.12 min Scan# 899

Delta R.T. -0.00 min

Lab File: BG023445.D

Acq: 4 Aug 2016 9:18

Instrument :

BNA\_G

ClientSampleId :

PB92660BL

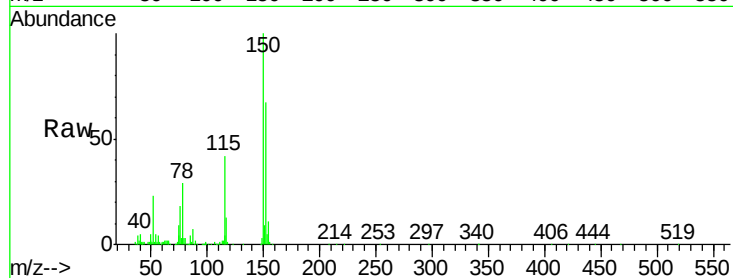
Tot Ion:152 Resp: 102731

Ion Ratio Lower Upper

152 100

150 148.2 144.7 217.1

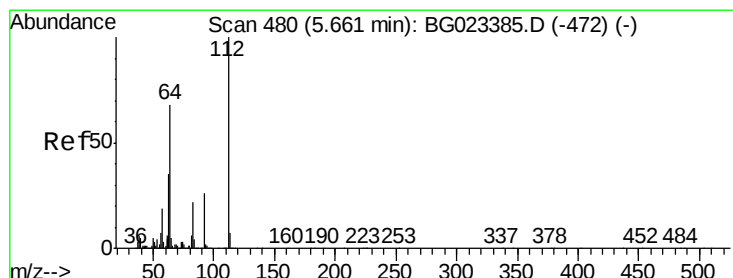
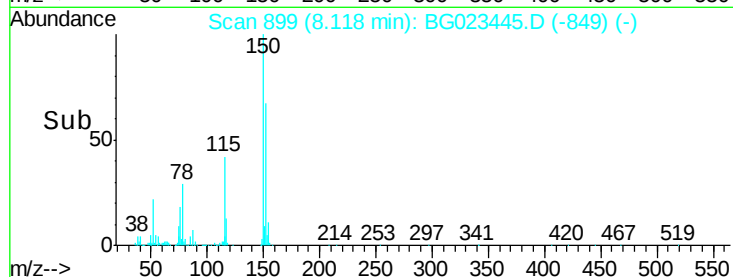
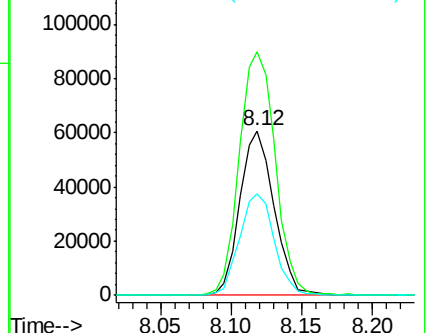
115 62.1 64.0 96.0#



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: 140.86 ng

RT: 5.66 min Scan# 481

Delta R.T. 0.00 min

Lab File: BG023445.D

Acq: 4 Aug 2016 9:18

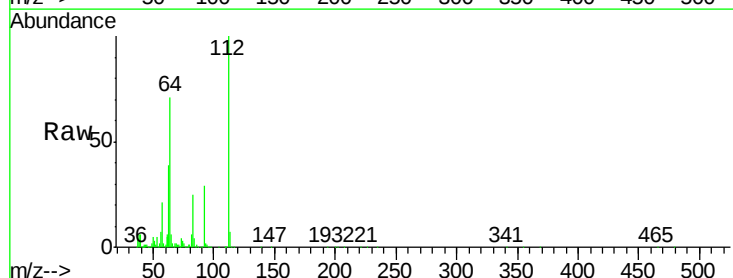
Tgt Ion:112 Resp: 859697

Ion Ratio Lower Upper

112 100

64 71.3 59.0 88.4

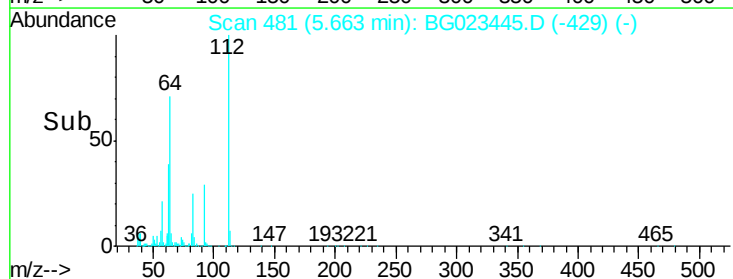
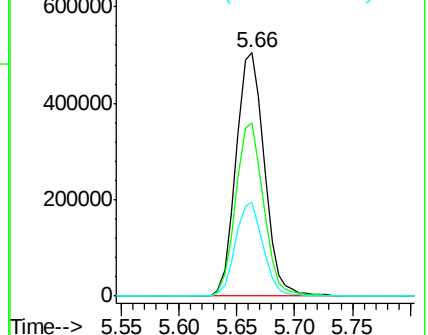
63 38.8 37.8 56.8

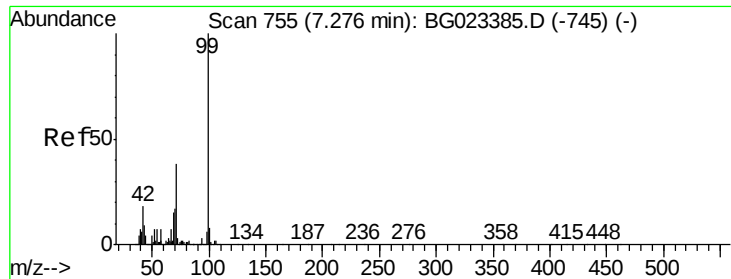


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 134.66 ng

RT: 7.28 min Scan# 756

Delta R.T. 0.00 min

Lab File: BG023445.D

Acq: 4 Aug 2016 9:18

Instrument :

BNA\_G

ClientSampleId :

PB92660BL

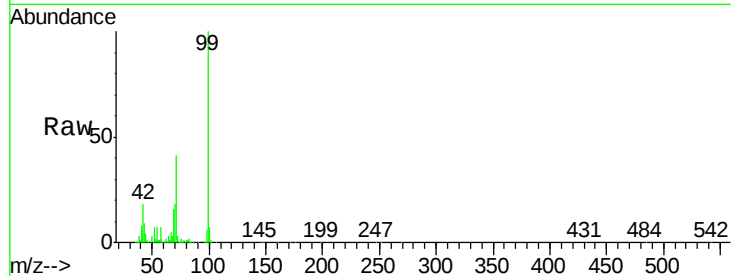
Tot Ion: 99 Resp: 1280091

Ion Ratio Lower Upper

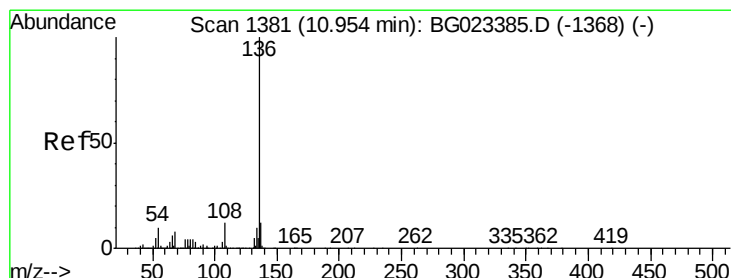
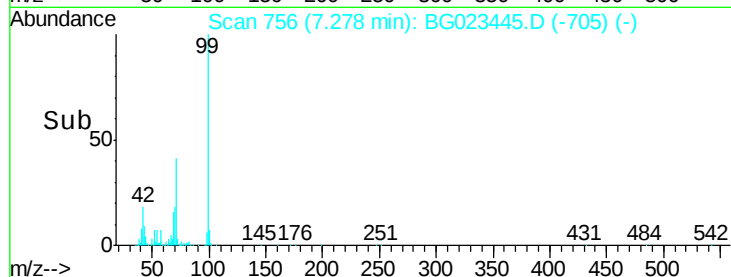
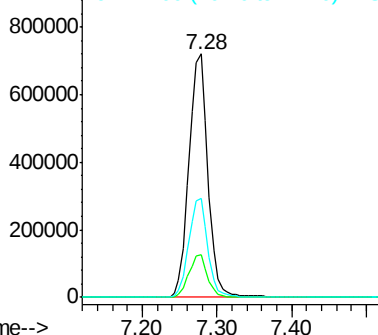
99 100

42 17.7 17.8 26.6#

71 40.7 41.5 62.3#



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: 10.95 min Scan# 1381

Delta R.T. -0.00 min

Lab File: BG023445.D

Acq: 4 Aug 2016 9:18

Tgt Ion: 136 Resp: 464553

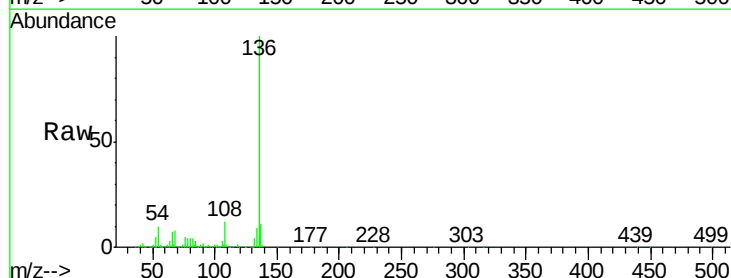
Ion Ratio Lower Upper

136 100

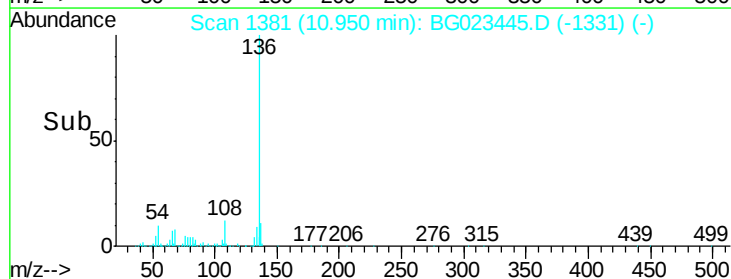
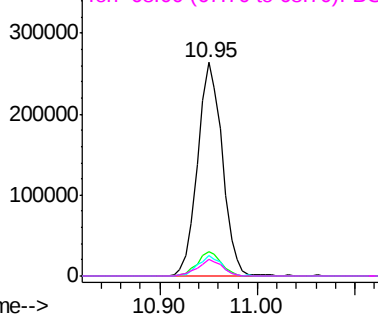
137 11.3 9.6 14.4

54 9.7 7.3 10.9

68 7.8 5.3 7.9



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

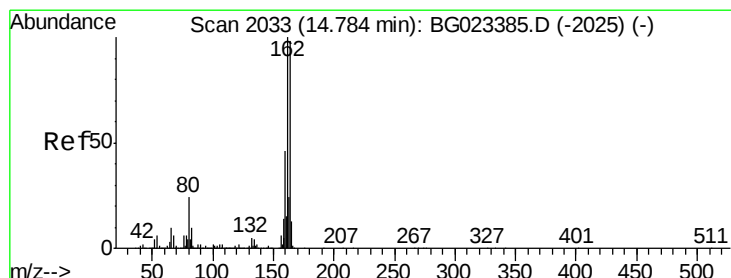
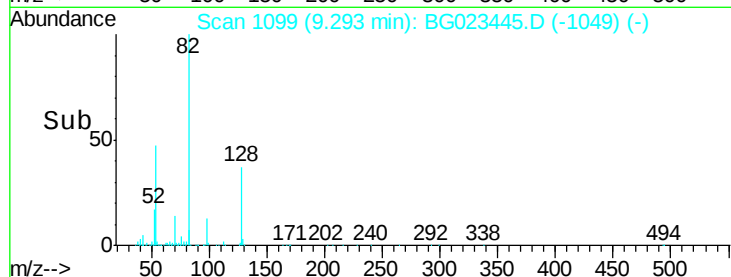
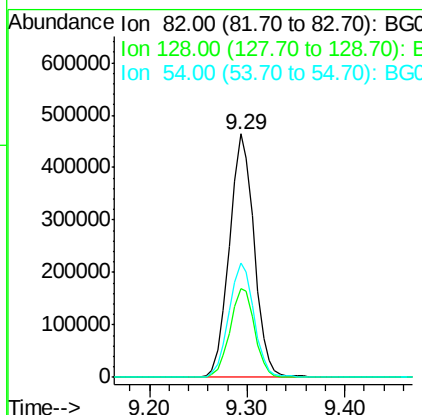
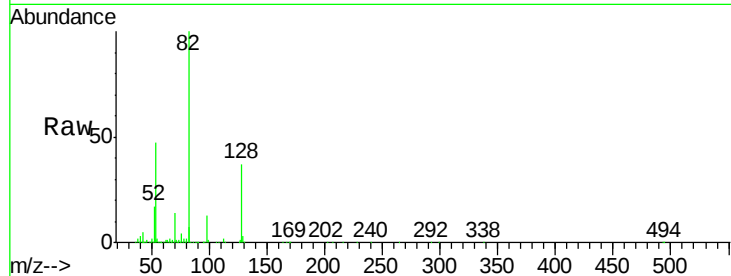




#23  
 Nitrobenzene-d5  
 Concen: 87.63 ng  
 RT: 9.29 min Scan# 1099  
 Delta R.T. -0.00 min  
 Lab File: BG023445.D  
 Acq: 4 Aug 2016 9:18

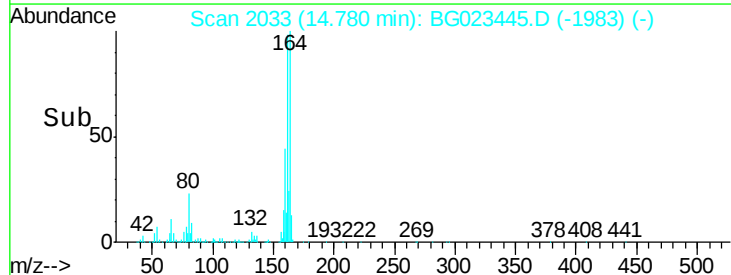
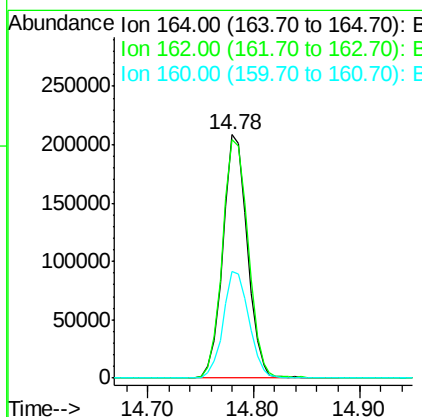
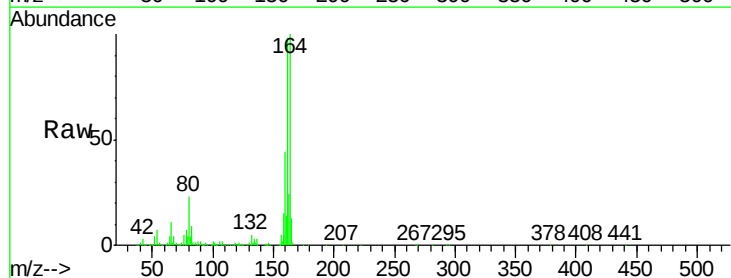
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB92660BL

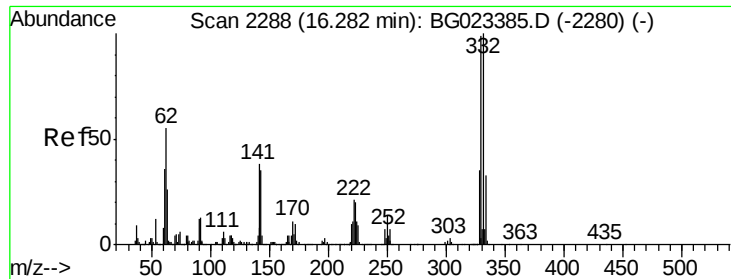
| Tot Ion   | 82    | Resp  | 818875 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 36.5  | 24.4  | 36.6   |
| 54        | 47.0  | 41.4  | 62.0   |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.78 min Scan# 2033  
 Delta R.T. -0.00 min  
 Lab File: BG023445.D  
 Acq: 4 Aug 2016 9:18

| Tgt Ion   | 164   | Resp  | 334333 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 97.9  | 87.7  | 131.5  |
| 160       | 44.1  | 37.2  | 55.8   |





#41

2,4,6-Tribromophenol

Concen: 135.49 ng

RT: 16.28 min Scan# 2288

Delta R.T. -0.00 min

Lab File: BG023445.D

Acq: 4 Aug 2016 9:18

Instrument :

BNA\_G

ClientSampled :

PB92660BL

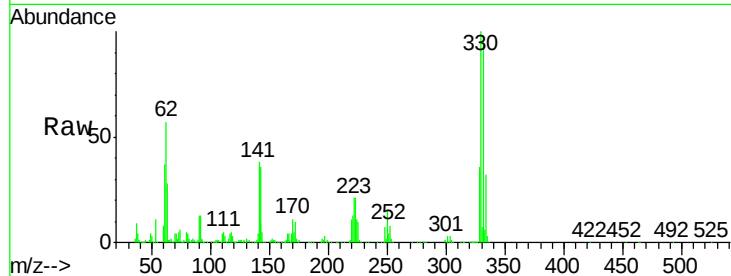
Tot Ion:330 Resp: 662594

Ion Ratio Lower Upper

330 100

332 97.2 77.4 116.2

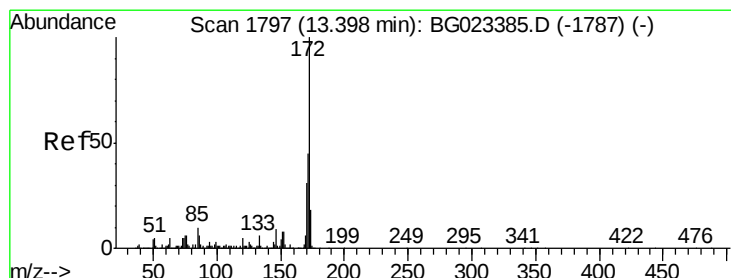
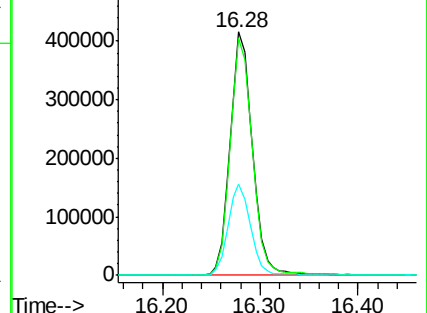
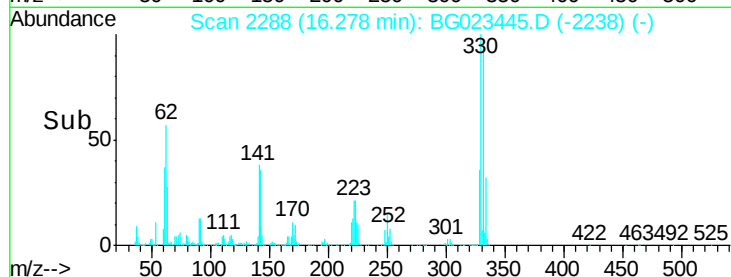
141 37.6 31.7 47.5



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: 88.65 ng

RT: 13.40 min Scan# 1798

Delta R.T. 0.00 min

Lab File: BG023445.D

Acq: 4 Aug 2016 9:18

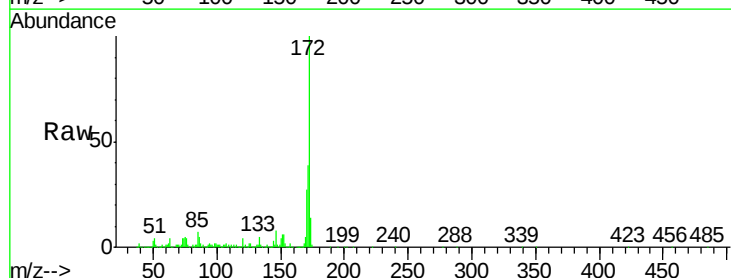
Tgt Ion:172 Resp: 1757275

Ion Ratio Lower Upper

172 100

171 39.2 31.6 47.4

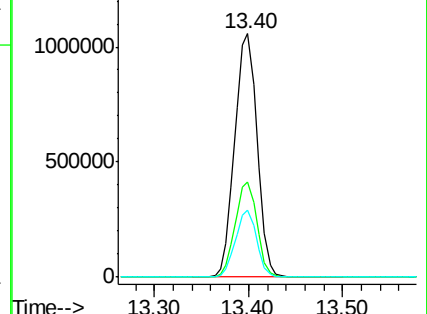
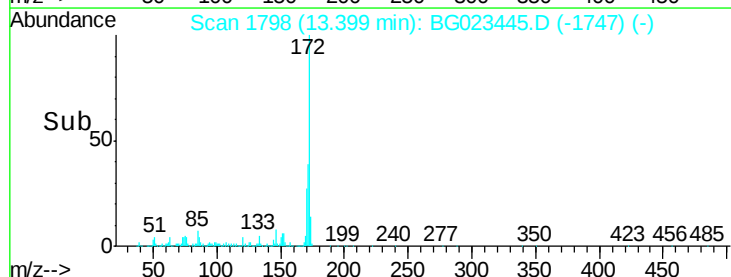
170 27.3 21.3 31.9

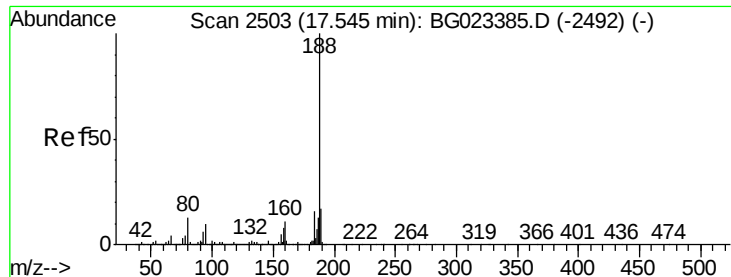


Abundance Ion 172.00 (171.70 to 172.70): E

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: 17.55 min Scan# 2504

Delta R.T. 0.00 min

Lab File: BG023445.D

Acq: 4 Aug 2016 9:18

Instrument :

BNA\_G

ClientSampleId :

PB92660BL

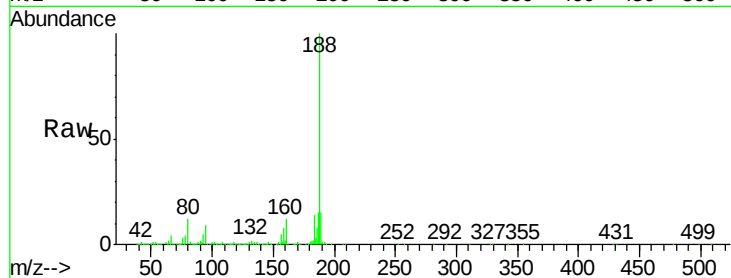
Tot Ion:188 Resp: 916251

Ion Ratio Lower Upper

188 100

94 9.3 5.2 7.8#

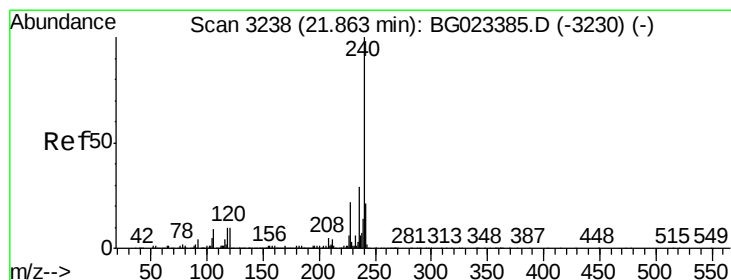
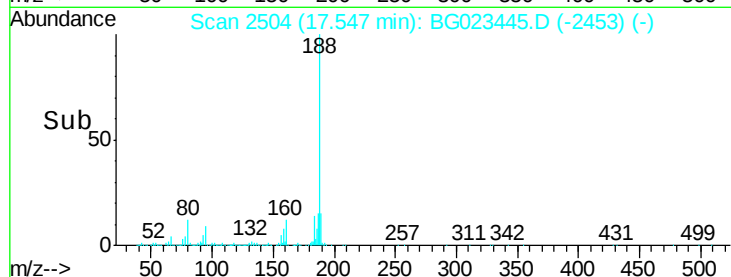
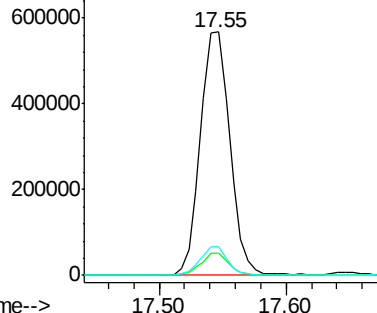
80 11.5 7.2 10.8#



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: 20.00 ng

RT: 21.86 min Scan# 3238

Delta R.T. -0.00 min

Lab File: BG023445.D

Acq: 4 Aug 2016 9:18

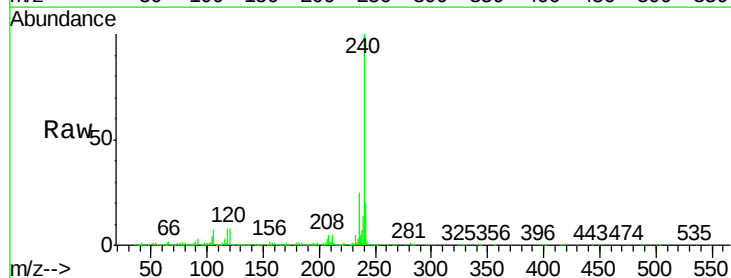
Tgt Ion:240 Resp: 998519

Ion Ratio Lower Upper

240 100

120 7.5 4.1 6.1#

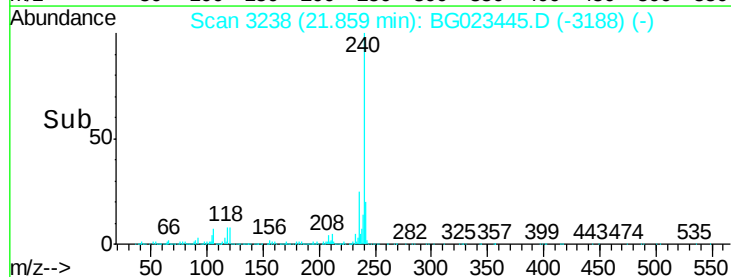
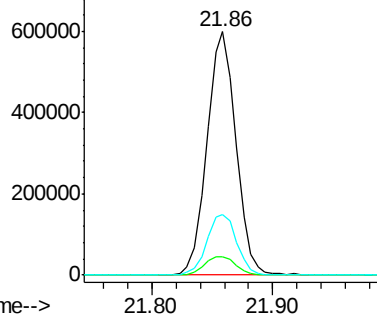
236 25.1 21.1 31.7

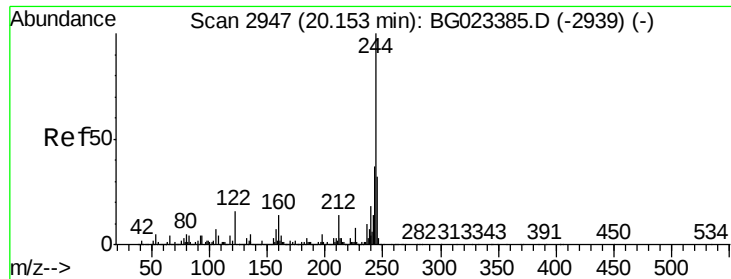


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 93.74 ng

RT: 20.15 min Scan# 2948

Delta R.T. 0.00 min

Lab File: BG023445.D

Acq: 4 Aug 2016 9:18

Instrument :

BNA\_G

ClientSampleId :

PB92660BL

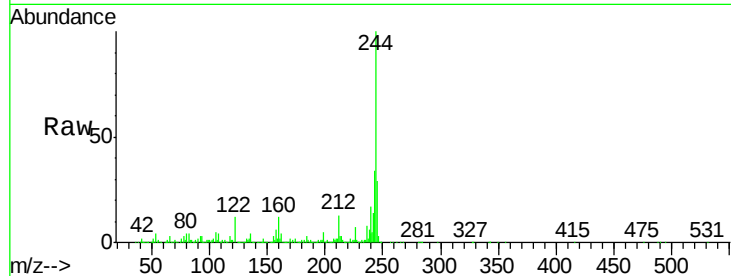
Tot Ion:244 Resp: 2928281

Ion Ratio Lower Upper

244 100

212 13.0 10.8 16.2

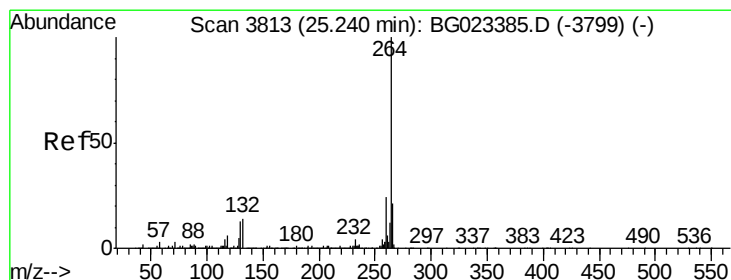
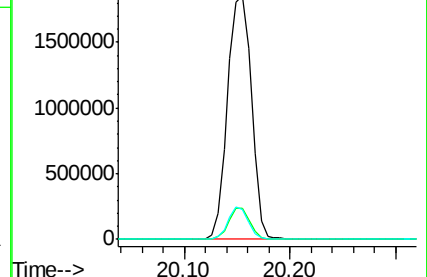
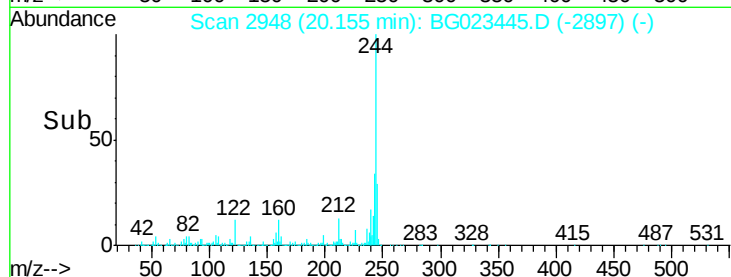
122 12.3 8.0 12.0#



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: 25.24 min Scan# 3813

Delta R.T. -0.00 min

Lab File: BG023445.D

Acq: 4 Aug 2016 9:18

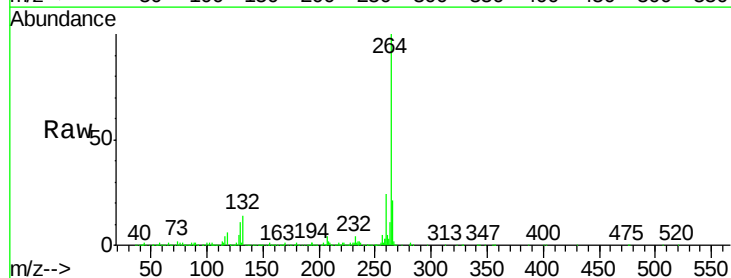
Tgt Ion:264 Resp: 945300

Ion Ratio Lower Upper

264 100

260 24.0 18.4 27.6

265 21.3 18.9 28.3



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

