

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG041516\  
 Data File : BG021697.D  
 Acq On : 15 Apr 2016 22:35  
 Operator : UM/SJ  
 Sample : H2549-03  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 S8-EB-2016-2

Quant Time: Apr 16 02:20:57 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG041316.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Apr 13 15:48:13 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.21  | 152  | 28081    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 11.03 | 136  | 120221   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.82 | 164  | 75163    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.56 | 188  | 185786   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.83 | 240  | 225638   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 25.16 | 264  | 224807   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.78  | 112  | 122043   | 72.37  | ng    | 0.02     |
| 7) Phenol-d6                | 7.37  | 99   | 112937   | 44.84  | ng    | 0.02     |
| 23) Nitrobenzene-d5         | 9.38  | 82   | 224359   | 95.92  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.30 | 330  | 146780   | 181.20 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.45 | 172  | 508176   | 99.06  | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.15 | 244  | 879129   | 97.22  | ng    | 0.00     |

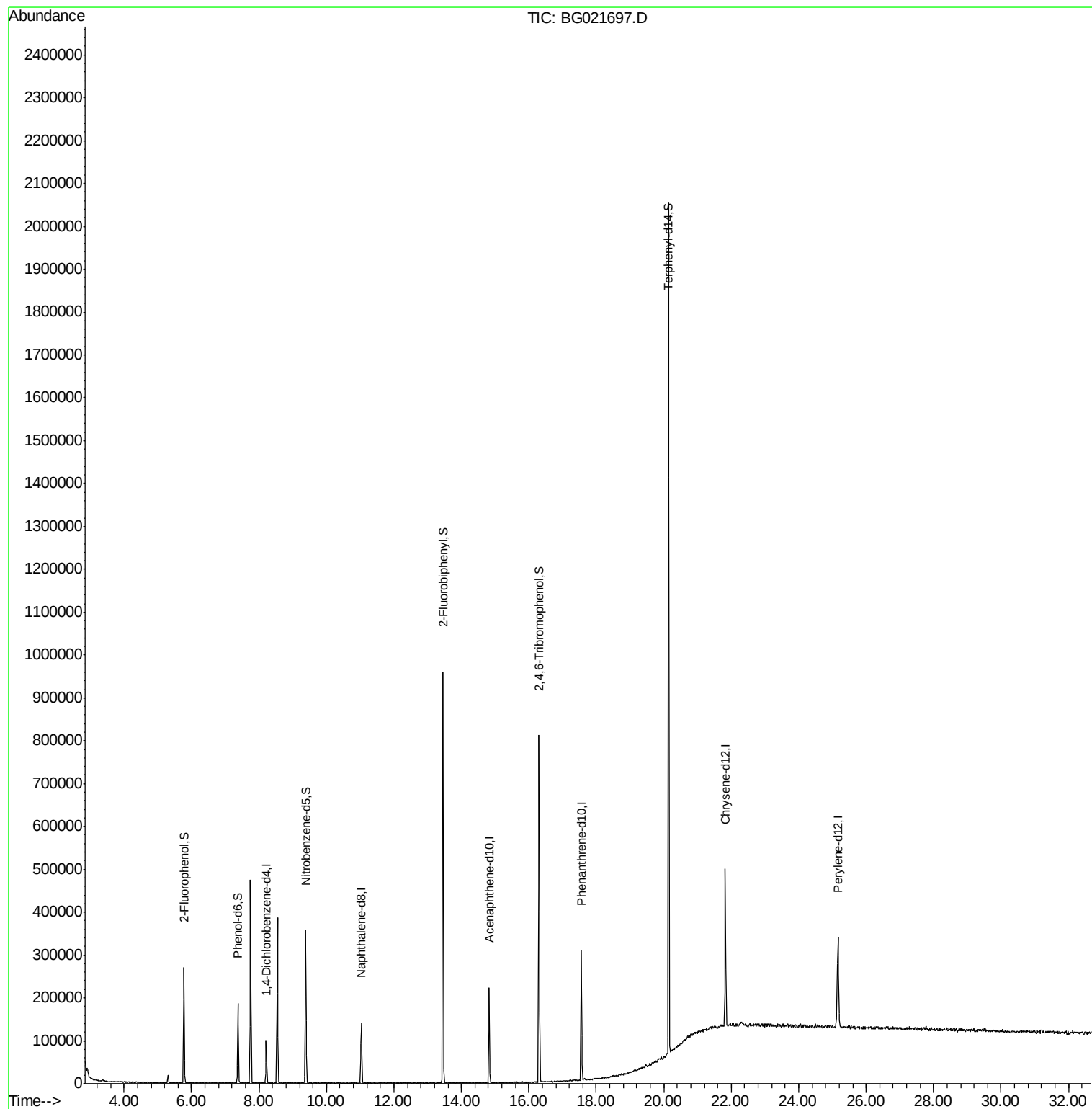
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

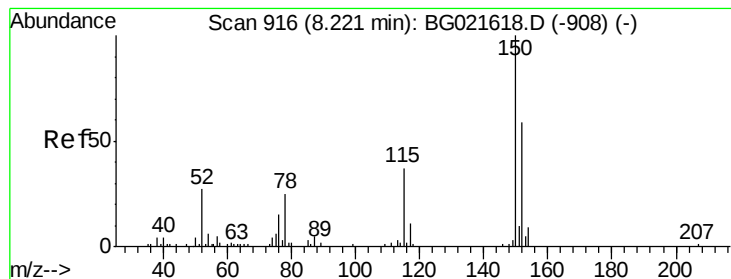
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Apr 13 15:48:13 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.21 min Scan# 915

Delta R.T. -0.01 min

Lab File: BG021697.D

Acq: 15 Apr 2016 22:35

Instrument :

BNA\_G

ClientSampleId :

S8-EB-2016-2

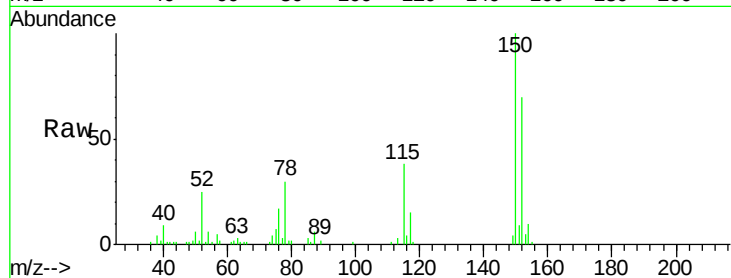
Tgt Ion:152 Resp: 28081

Ion Ratio Lower Upper

152 100

150 143.3 130.1 195.1

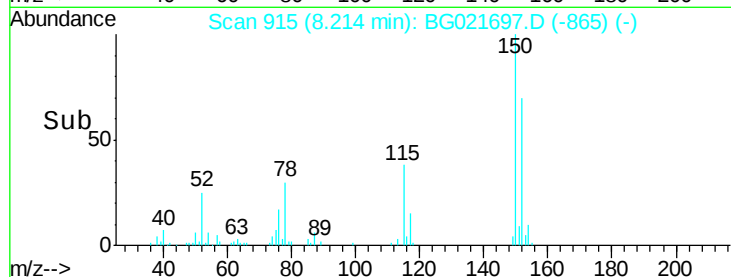
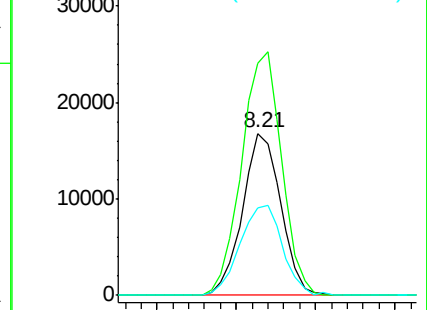
115 54.2 62.2 93.2#



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: 72.37 ng

RT: 5.78 min Scan# 500

Delta R.T. 0.02 min

Lab File: BG021697.D

Acq: 15 Apr 2016 22:35

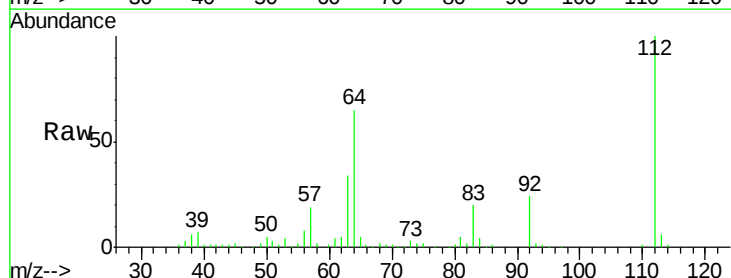
Tgt Ion:112 Resp: 122043

Ion Ratio Lower Upper

112 100

64 65.0 51.1 76.7

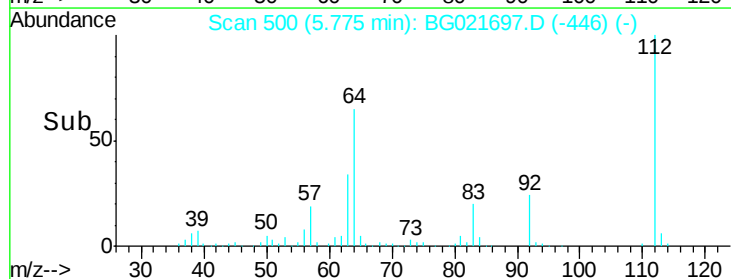
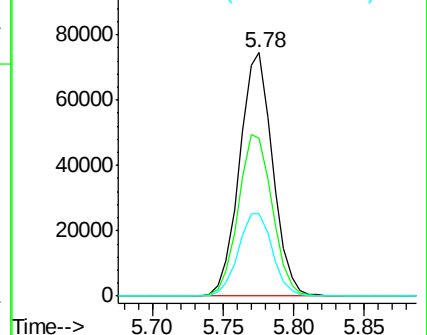
63 34.0 24.6 37.0

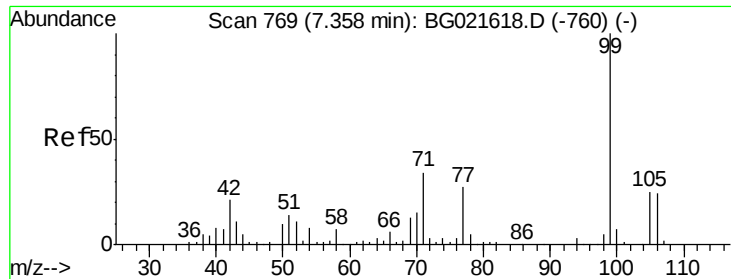


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 44.84 ng

RT: 7.37 min Scan# 772

Delta R.T. 0.02 min

Lab File: BG021697.D

Acq: 15 Apr 2016 22:35

Instrument :

BNA\_G

ClientSampleId :

S8-EB-2016-2

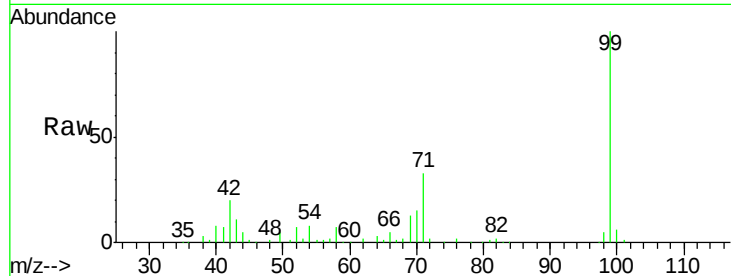
Tgt Ion: 99 Resp: 112937

Ion Ratio Lower Upper

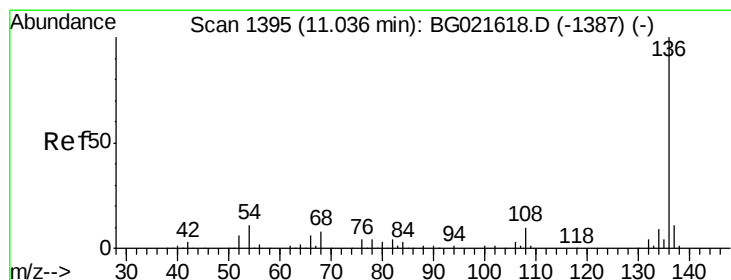
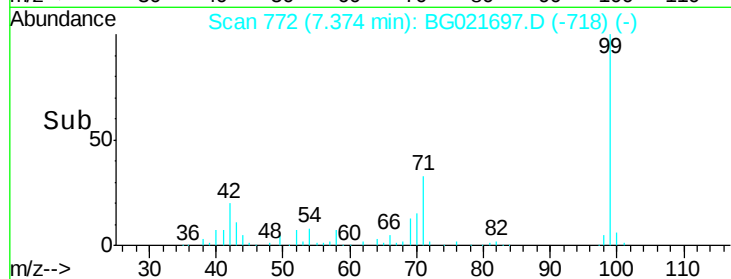
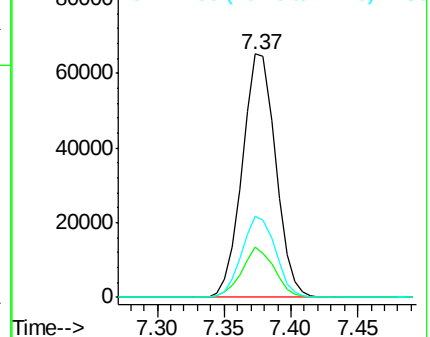
99 100

42 20.4 16.4 24.6

71 33.4 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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.03 min Scan# 1395

Delta R.T. -0.00 min

Lab File: BG021697.D

Acq: 15 Apr 2016 22:35

Tgt Ion: 136 Resp: 120221

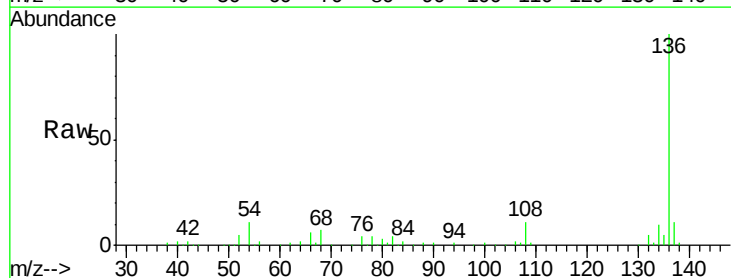
Ion Ratio Lower Upper

136 100

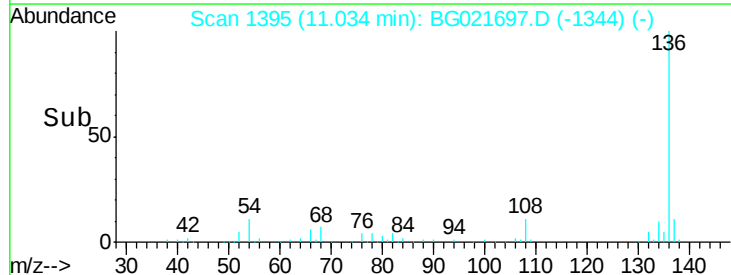
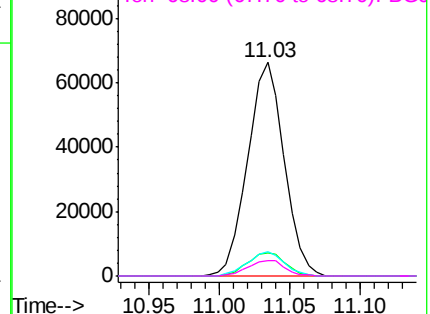
137 11.1 9.0 13.4

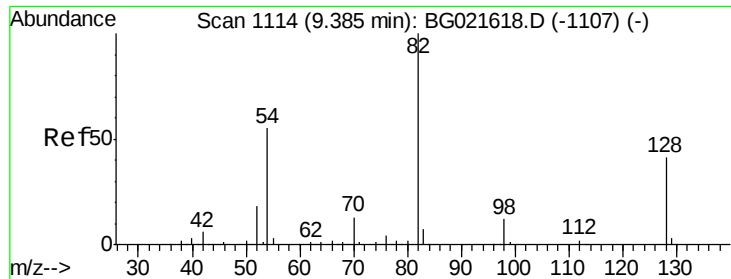
54 11.4 9.6 14.4

68 7.3 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

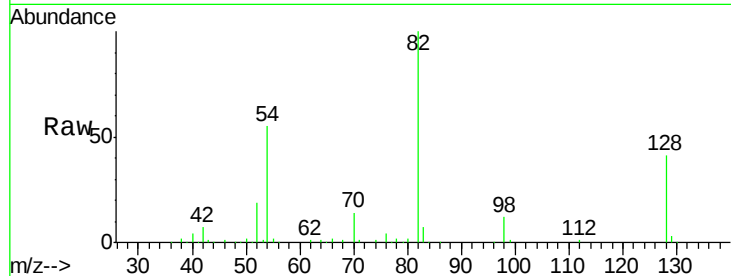




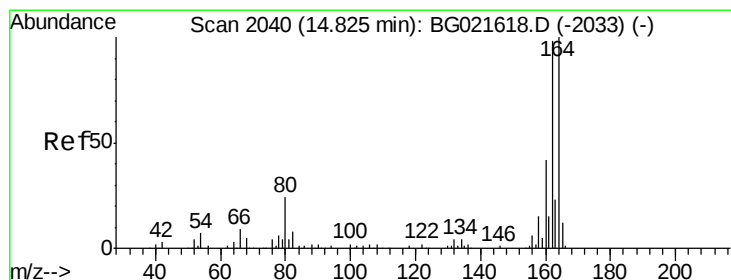
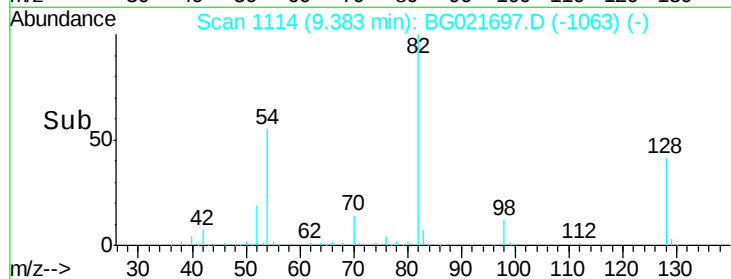
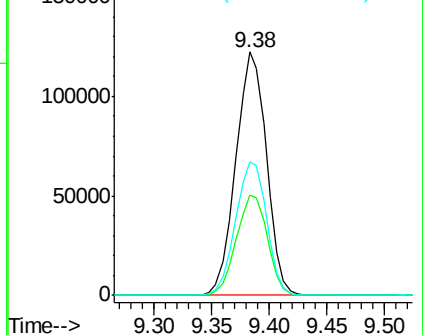
#23  
Nitrobenzene-d5  
Concen: 95.92 ng  
RT: 9.38 min Scan# 1114  
Delta R.T. -0.00 min  
Lab File: BG021697.D  
Acq: 15 Apr 2016 22:35

Instrument :  
BNA\_G  
ClientSampleId :  
S8-EB-2016-2

Tgt Ion: 82 Resp: 224359  
Ion Ratio Lower Upper  
82 100  
128 40.9 33.4 50.0  
54 54.9 46.1 69.1

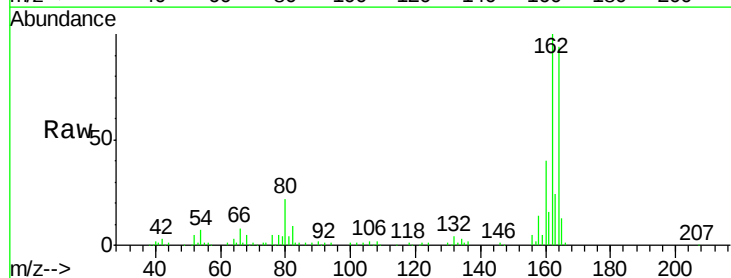


Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 128.00 (127.70 to 128.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC

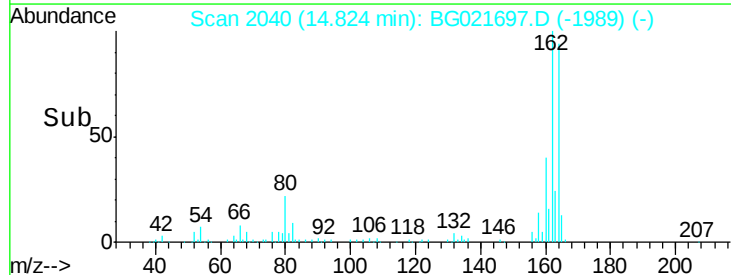
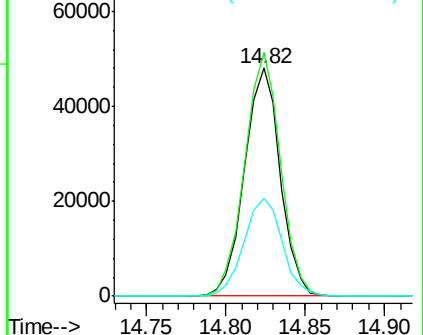


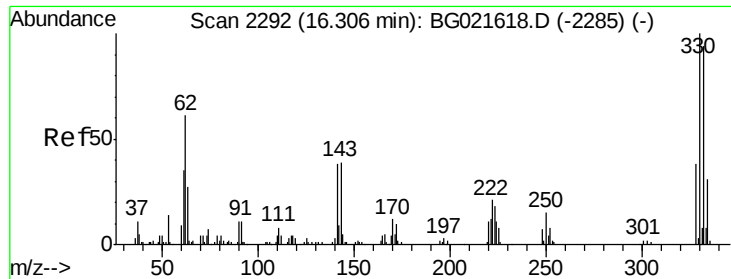
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.82 min Scan# 2040  
Delta R.T. -0.00 min  
Lab File: BG021697.D  
Acq: 15 Apr 2016 22:35

Tgt Ion: 164 Resp: 75163  
Ion Ratio Lower Upper  
164 100  
162 106.8 78.0 117.0  
160 42.9 32.9 49.3



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: 181.20 ng

RT: 16.30 min Scan# 2292

Delta R.T. -0.00 min

Lab File: BG021697.D

Acq: 15 Apr 2016 22:35

Instrument :

BNA\_G

ClientSampleId :

S8-EB-2016-2

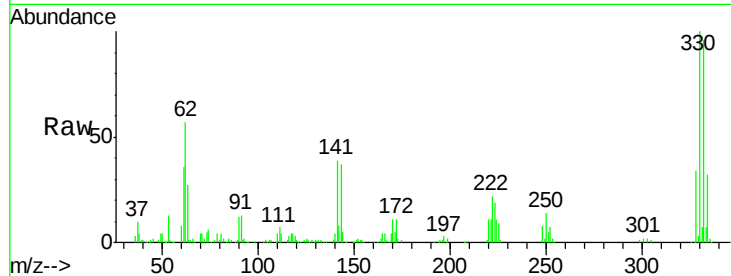
Tgt Ion:330 Resp: 146780

Ion Ratio Lower Upper

330 100

332 96.0 78.0 117.0

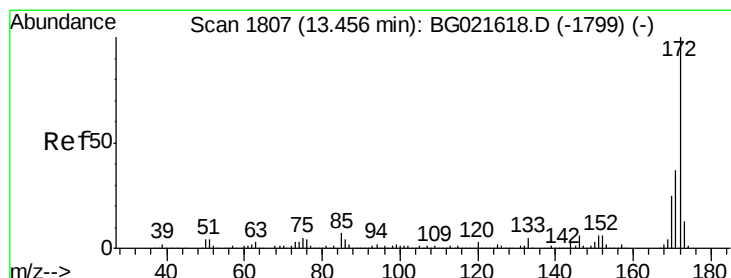
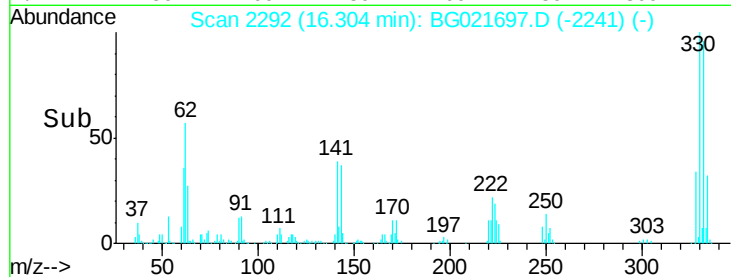
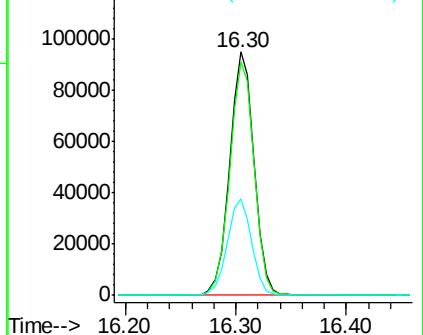
141 39.7 33.8 50.8



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: 99.06 ng

RT: 13.45 min Scan# 1807

Delta R.T. -0.00 min

Lab File: BG021697.D

Acq: 15 Apr 2016 22:35

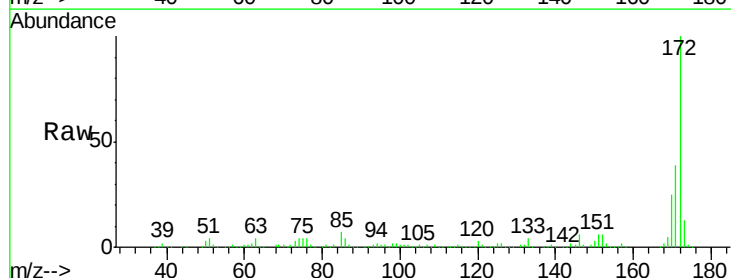
Tgt Ion:172 Resp: 508176

Ion Ratio Lower Upper

172 100

171 38.6 27.8 41.6

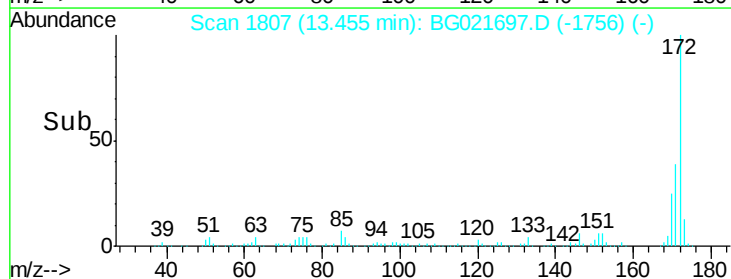
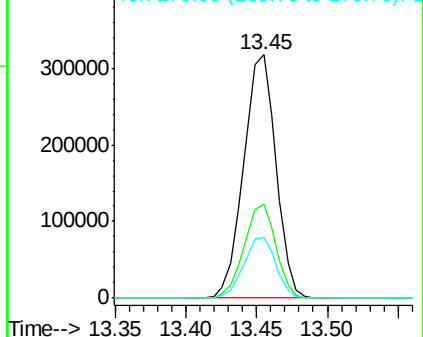
170 25.1 19.6 29.4

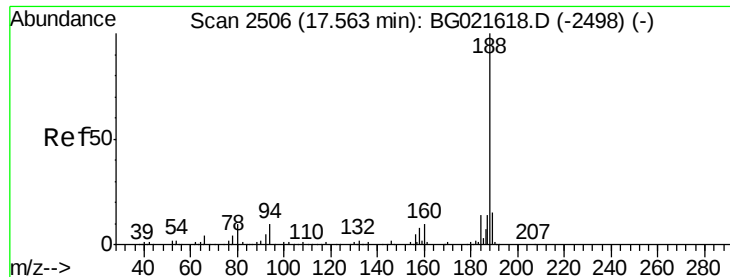


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

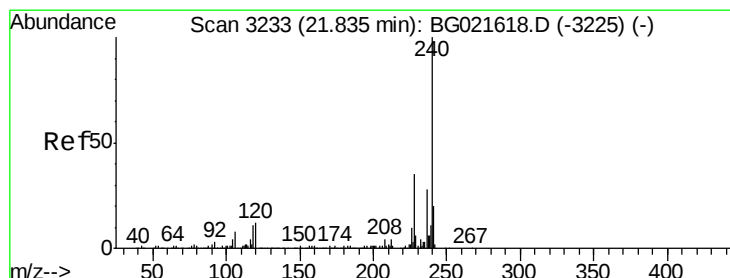
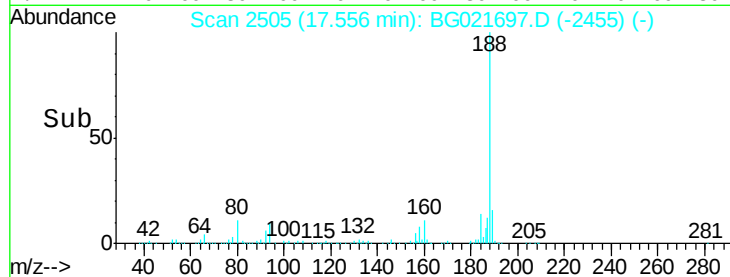
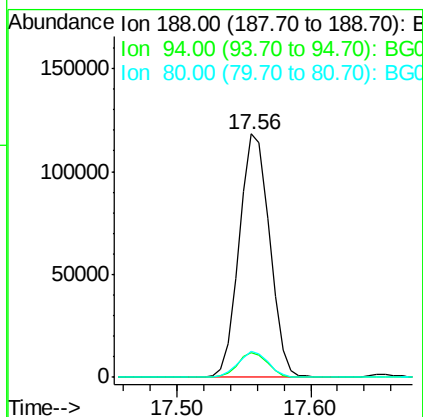
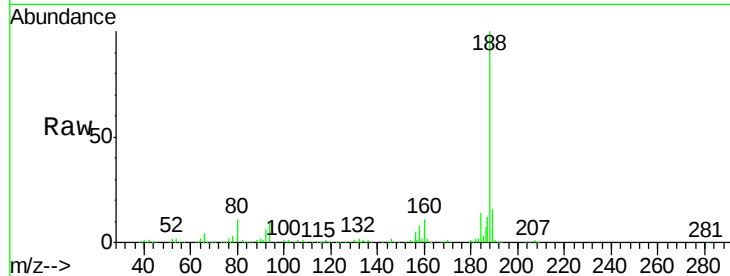




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.56 min Scan# 2505  
Delta R.T. -0.01 min  
Lab File: BG021697.D  
Acq: 15 Apr 2016 22:35

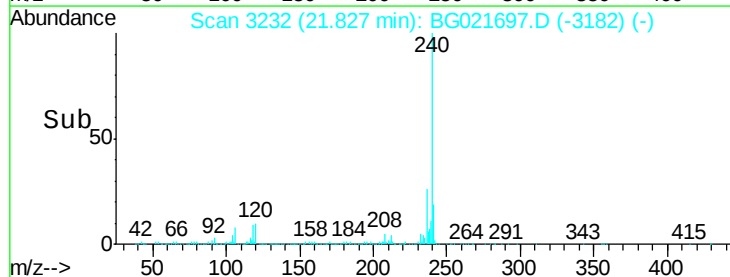
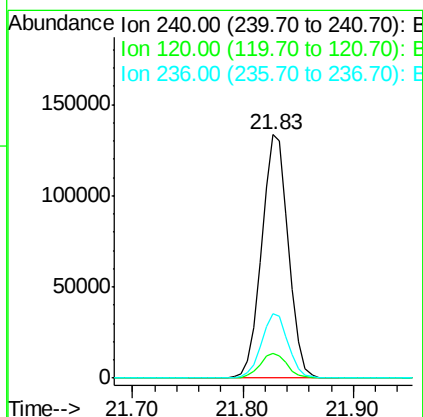
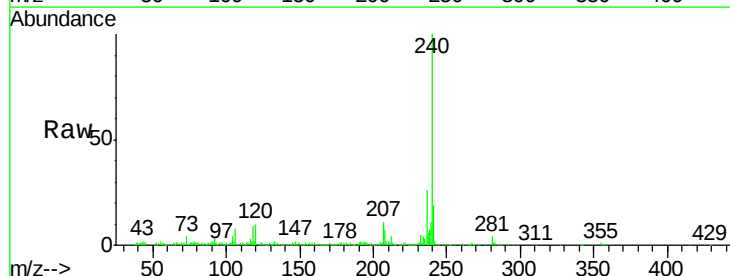
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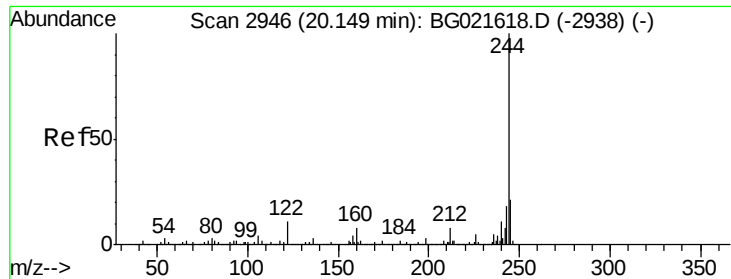
Tgt Ion:188 Resp: 185786  
Ion Ratio Lower Upper  
188 100  
94 10.1 7.5 11.3  
80 10.7 8.6 13.0



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.83 min Scan# 3232  
Delta R.T. -0.01 min  
Lab File: BG021697.D  
Acq: 15 Apr 2016 22:35

Tgt Ion:240 Resp: 225638  
Ion Ratio Lower Upper  
240 100  
120 10.1 8.4 12.6  
236 26.2 19.6 29.4





#78

Terphenyl-d14

Concen: 97.22 ng

RT: 20.15 min Scan# 2946

Delta R.T. -0.00 min

Lab File: BG021697.D

Acq: 15 Apr 2016 22:35

Instrument :

BNA\_G

ClientSampleId :

S8-EB-2016-2

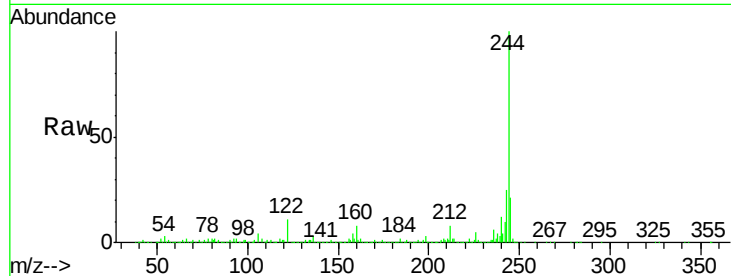
Tgt Ion:244 Resp: 879129

Ion Ratio Lower Upper

244 100

212 8.4 6.5 9.7

122 10.5 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

800000

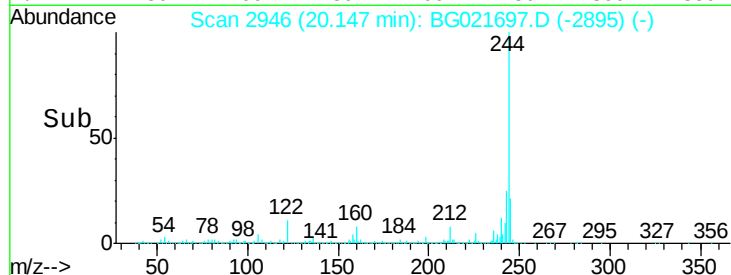
600000

400000

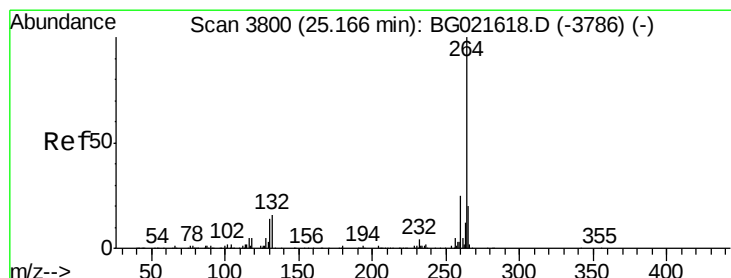
200000

0

20.05 20.10 20.15 20.20



Time-->



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.16 min Scan# 3800

Delta R.T. -0.00 min

Lab File: BG021697.D

Acq: 15 Apr 2016 22:35

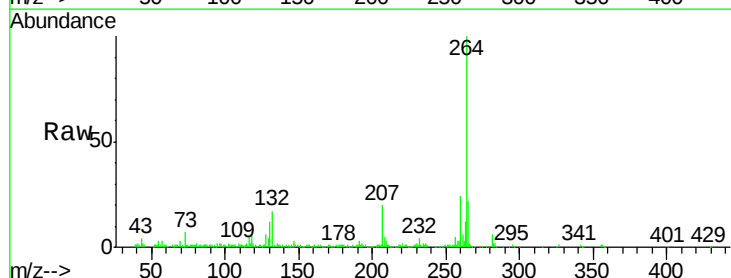
Tgt Ion:264 Resp: 224807

Ion Ratio Lower Upper

264 100

260 24.1 20.2 30.4

265 21.8 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

100000

80000

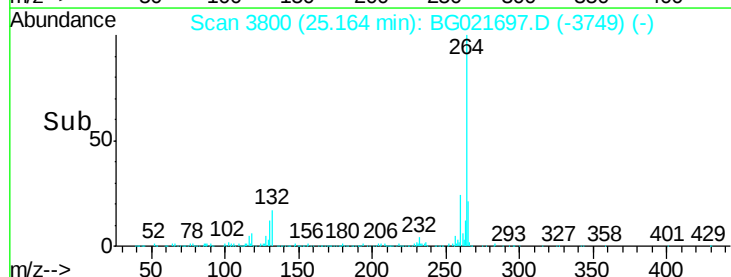
60000

40000

20000

0

25.10 25.16 25.20



Time-->