

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG071516\  
 Data File : BG023137.D  
 Acq On : 16 Jul 2016 8:17  
 Operator : UM/SJ  
 Sample : H4015-19  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C5-20

Quant Time: Jul 18 01:00:56 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG070816.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 12 18:30:58 2016  
 Response via : Initial Calibration

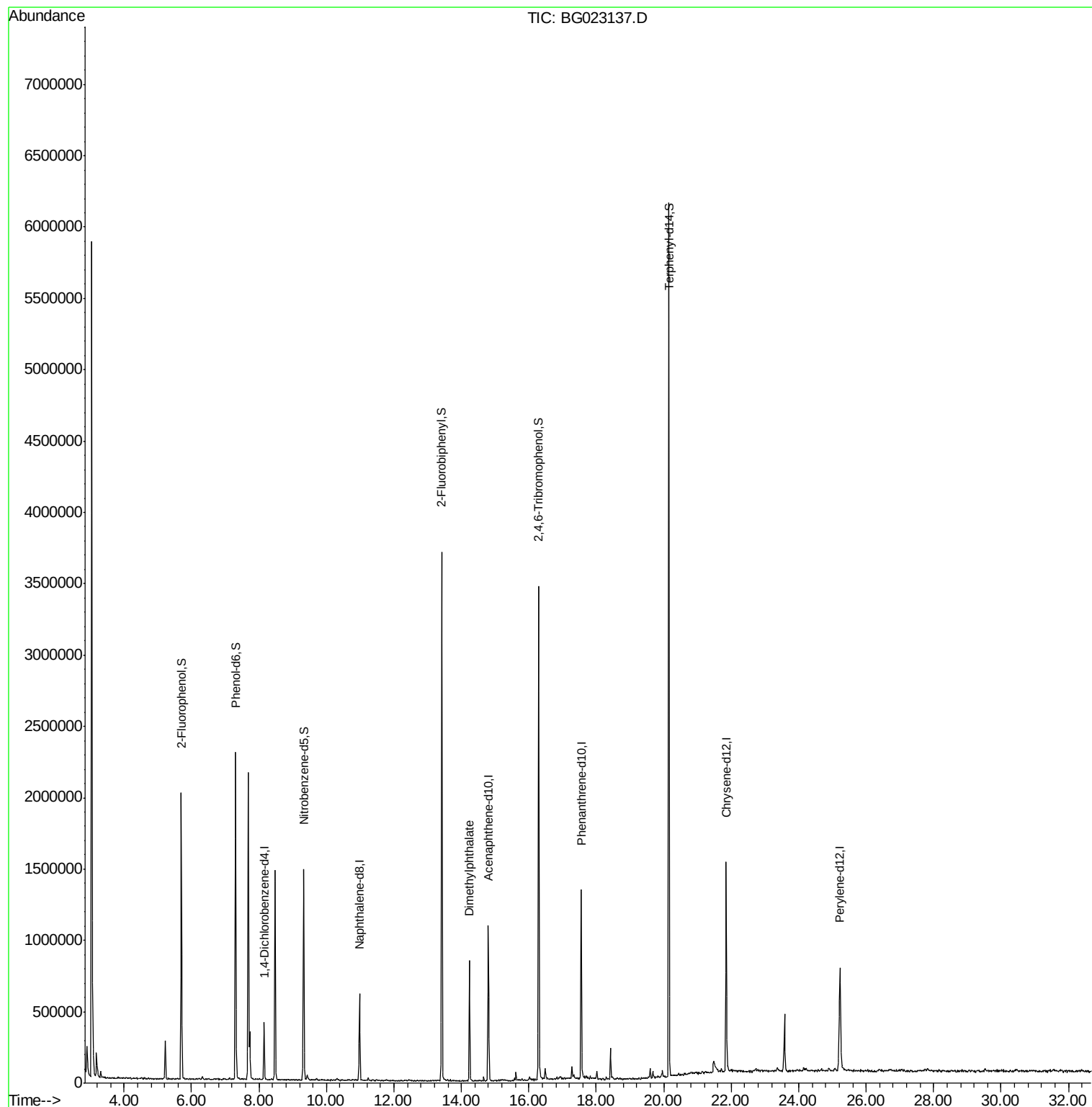
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.15  | 152  | 100151   | 20.00  | ng    | 0.00         |
| 21) Naphthalene-d8          | 10.98 | 136  | 483411   | 20.00  | ng    | 0.00         |
| 38) Acenaphthene-d10        | 14.80 | 164  | 364325   | 20.00  | ng    | 0.00         |
| 63) Phenanthrene-d10        | 17.56 | 188  | 832192   | 20.00  | ng    | 0.00         |
| 75) Chrysene-d12            | 21.85 | 240  | 899147   | 20.00  | ng    | 0.00         |
| 86) Perylene-d12            | 25.22 | 264  | 893070   | 20.00  | ng    | 0.04         |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 5.70  | 112  | 790994   | 129.17 | ng    | 0.00         |
| 7) Phenol-d6                | 7.31  | 99   | 1286638  | 134.15 | ng    | 0.00         |
| 23) Nitrobenzene-d5         | 9.32  | 82   | 929083   | 82.30  | ng    | 0.00         |
| 41) 2,4,6-Tribromophenol    | 16.29 | 330  | 608736   | 92.97  | ng    | 0.00         |
| 44) 2-Fluorobiphenyl        | 13.42 | 172  | 1800891  | 77.86  | ng    | 0.00         |
| 78) Terphenyl-d14           | 20.15 | 244  | 2349509  | 81.64  | ng    | 0.00         |
| Target Compounds            |       |      |          |        |       |              |
| 49) Dimethylphthalate       | 14.24 | 163  | 500213   | 16.81  | ng    | Qvalue<br>97 |

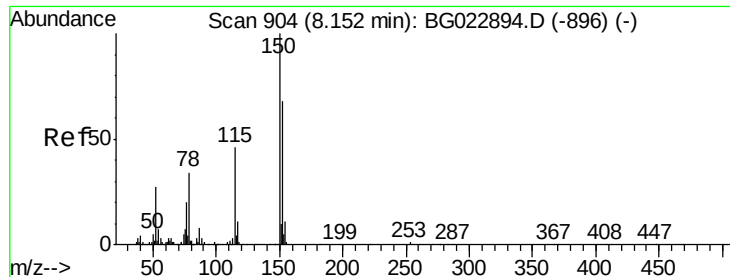
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA\_G  
ClientSampleId :  
C5-20

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Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG070816.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jul 12 18:30:58 2016  
Response via : Initial Calibration



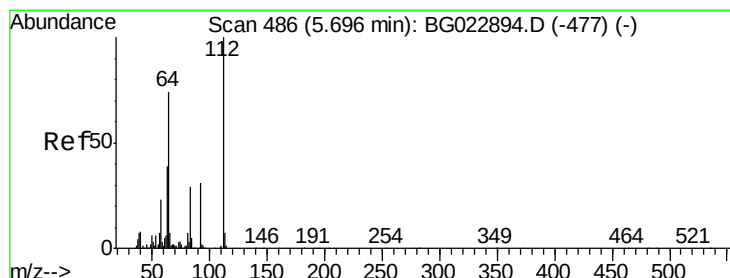
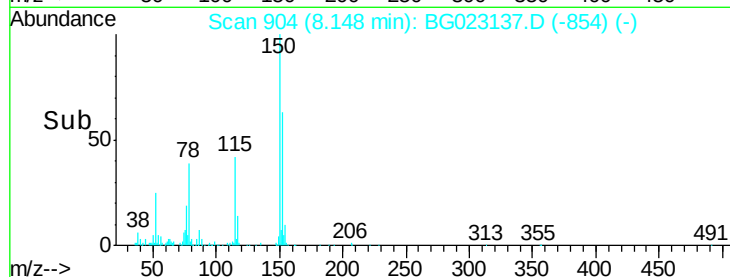
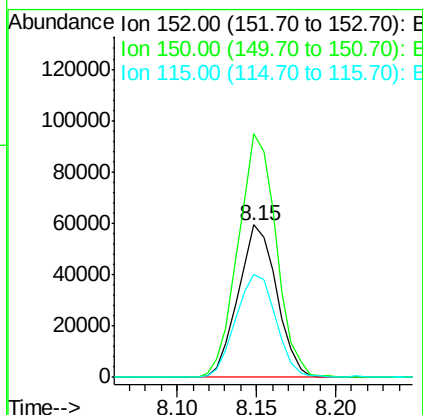
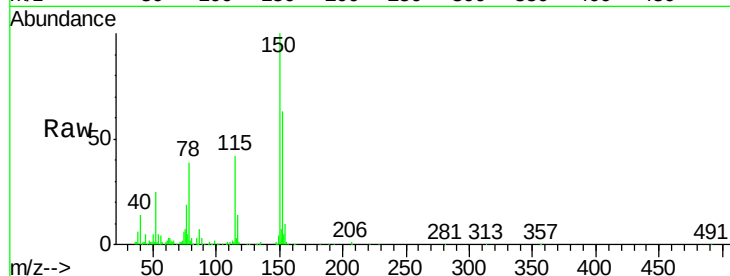


#1

1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.15 min Scan# 904  
Delta R.T. -0.00 min  
Lab File: BG023137.D  
Acq: 16 Jul 2016 8:17

Instrument :  
BNA\_G  
ClientSampleId :  
C5-20

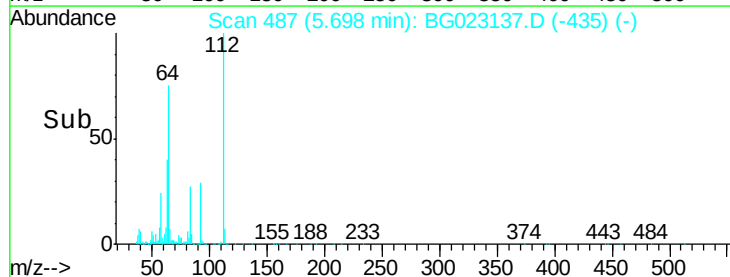
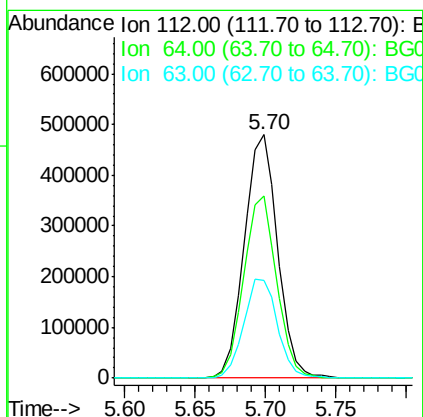
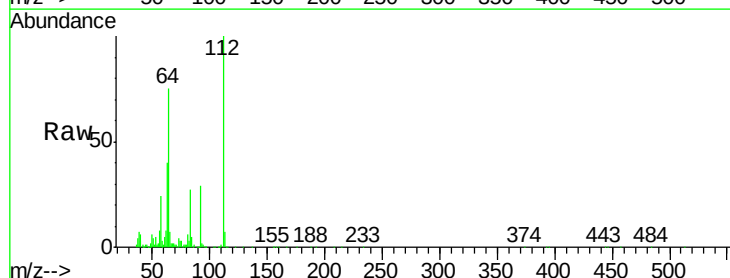
Tgt Ion:152 Resp: 100151  
Ion Ratio Lower Upper  
152 100  
150 159.8 144.7 217.1  
115 67.5 64.0 96.0

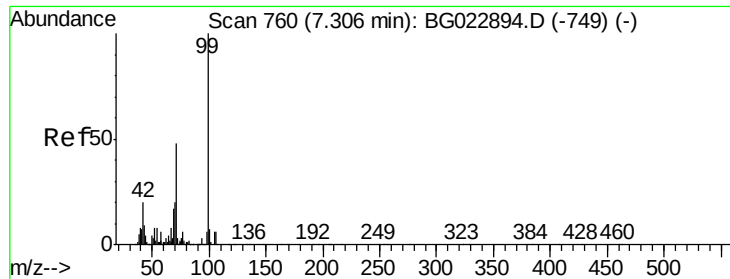


#5

2-Fluorophenol  
Concen: 129.17 ng  
RT: 5.70 min Scan# 487  
Delta R.T. 0.00 min  
Lab File: BG023137.D  
Acq: 16 Jul 2016 8:17

Tgt Ion:112 Resp: 790994  
Ion Ratio Lower Upper  
112 100  
64 75.0 59.0 88.4  
63 40.1 37.8 56.8





#7

Phenol-d6

Concen: 134.15 ng

RT: 7.31 min Scan# 761

Delta R.T. 0.00 min

Lab File: BG023137.D

Acq: 16 Jul 2016 8:17

Instrument :

BNA\_G

ClientSampleId :

C5-20

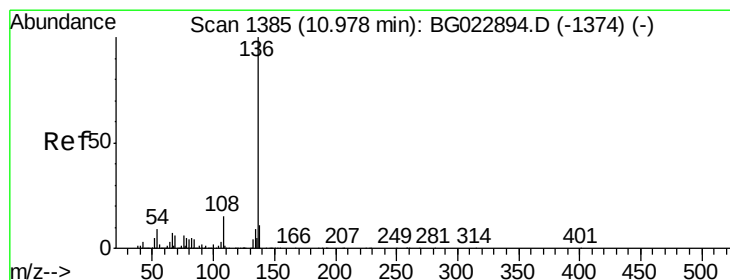
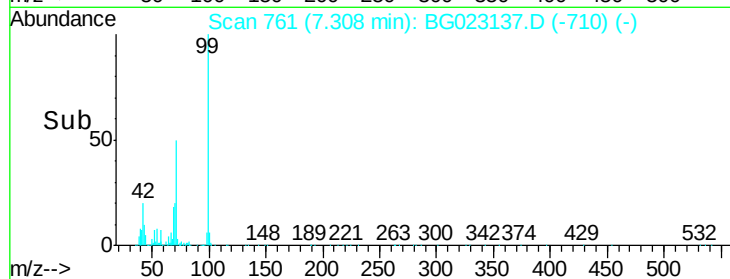
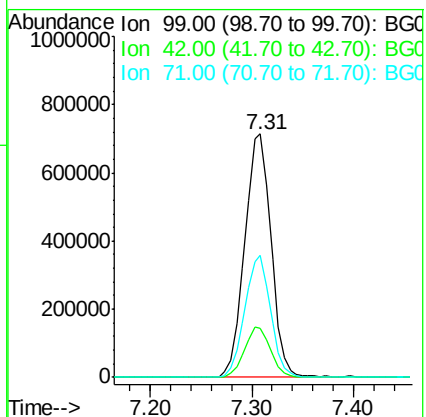
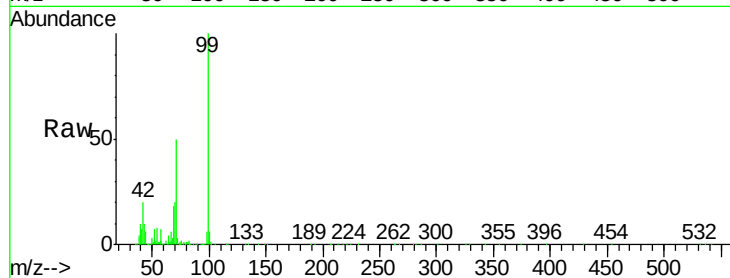
Tgt Ion: 99 Resp: 1286638

Ion Ratio Lower Upper

99 100

42 20.1 17.8 26.6

71 50.3 41.5 62.3



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.98 min Scan# 1386

Delta R.T. 0.00 min

Lab File: BG023137.D

Acq: 16 Jul 2016 8:17

Tgt Ion: 136 Resp: 483411

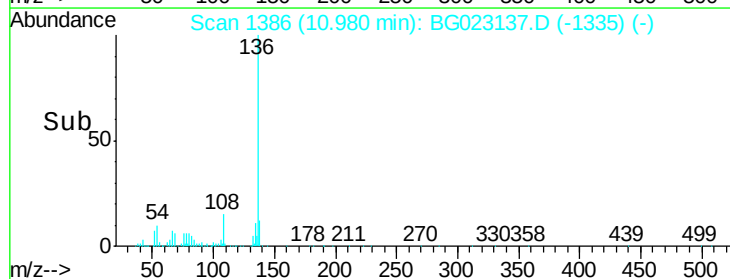
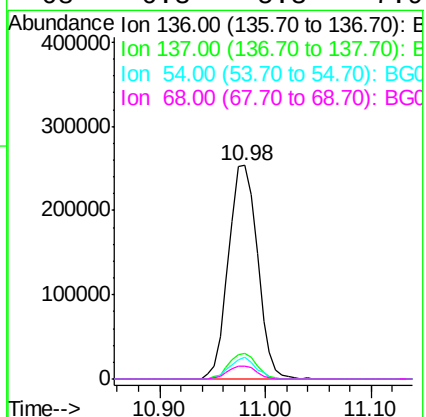
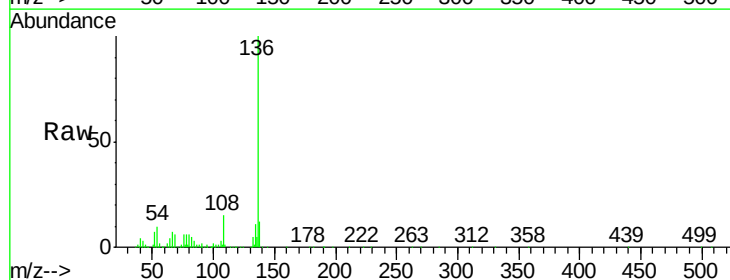
Ion Ratio Lower Upper

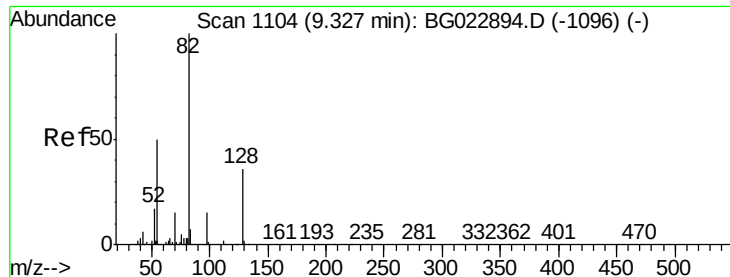
136 100

137 11.7 9.6 14.4

54 10.4 7.3 10.9

68 6.3 5.3 7.9

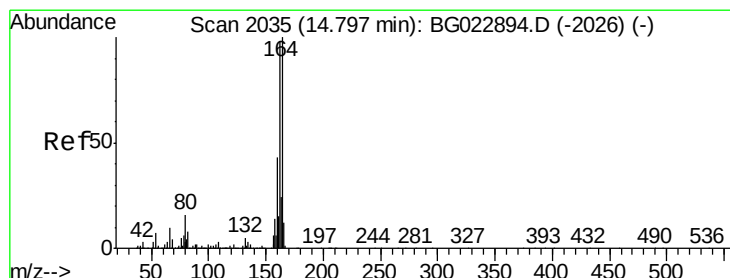
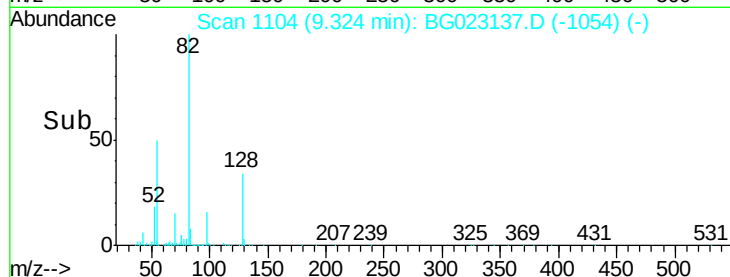
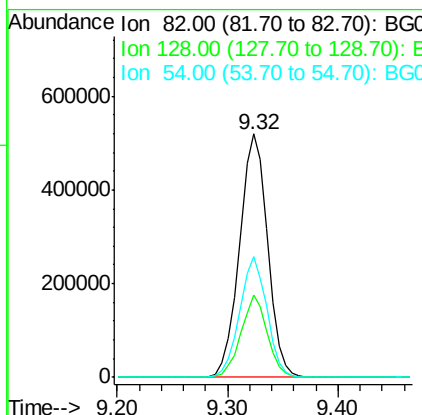
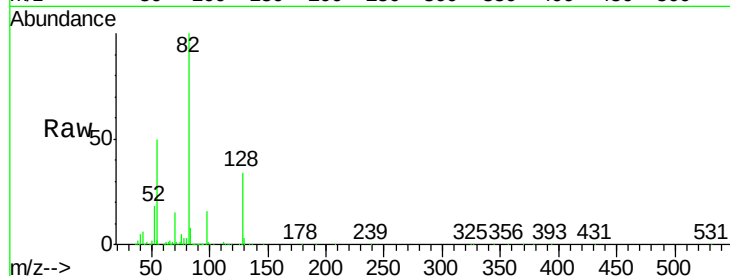




#23  
 Nitrobenzene-d5  
 Concen: 82.30 ng  
 RT: 9.32 min Scan# 1104  
 Delta R.T. -0.00 min  
 Lab File: BG023137.D  
 Acq: 16 Jul 2016 8:17

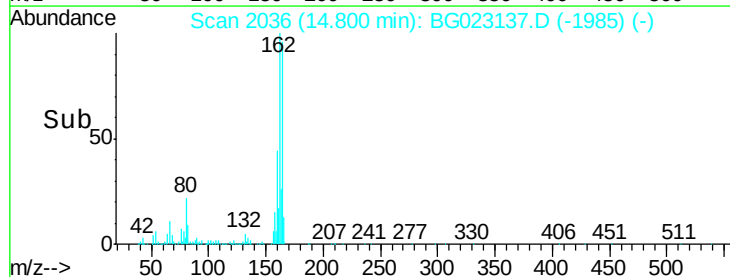
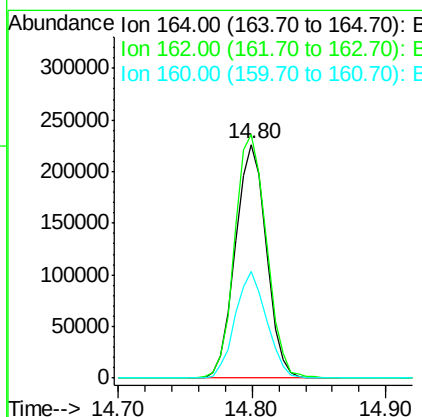
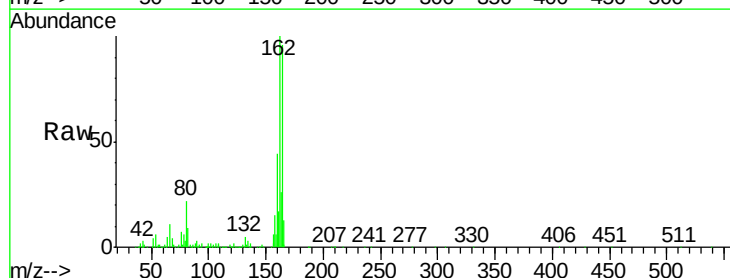
Instrument :  
 BNA\_G  
 ClientSampleId :  
 C5-20

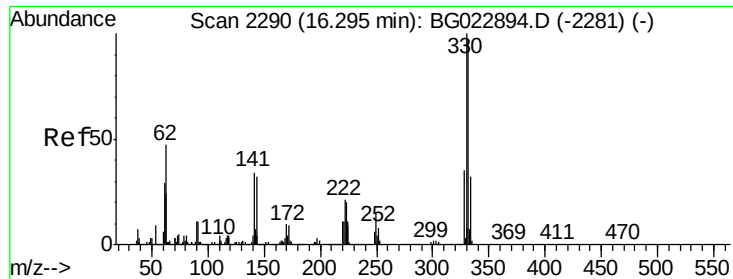
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 33.7  | 24.4  | 36.6  |
| 54      | 49.8  | 41.4  | 62.0  |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.80 min Scan# 2036  
 Delta R.T. 0.00 min  
 Lab File: BG023137.D  
 Acq: 16 Jul 2016 8:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 104.1 | 87.7  | 131.5 |
| 160     | 45.9  | 37.2  | 55.8  |





#41

2,4,6-Tribromophenol

Concen: 92.97 ng

RT: 16.29 min Scan# 2290

Delta R.T. -0.00 min

Lab File: BG023137.D

Acq: 16 Jul 2016 8:17

Instrument :

BNA\_G

ClientSampleId :

C5-20

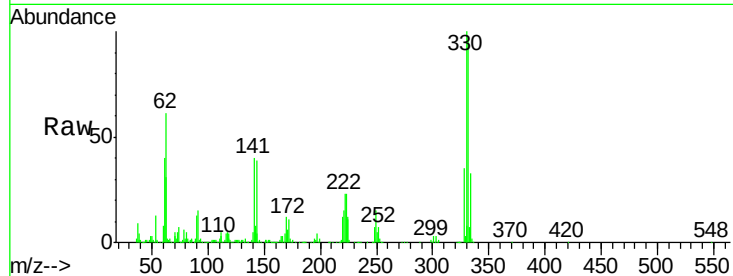
Tgt Ion:330 Resp: 608736

Ion Ratio Lower Upper

330 100

332 97.4 77.4 116.2

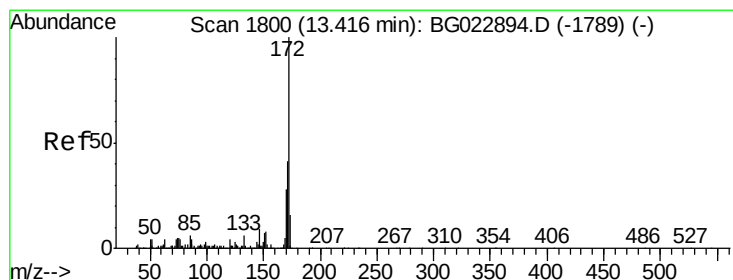
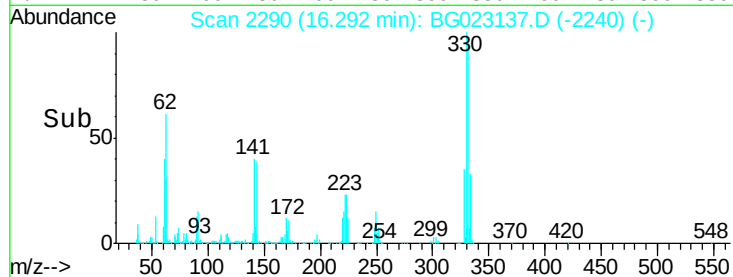
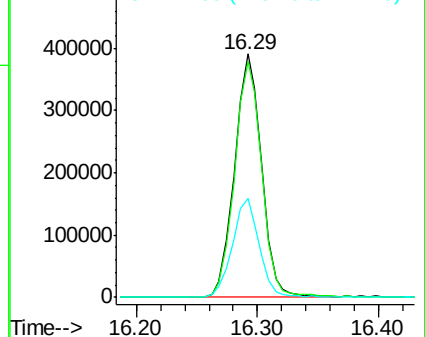
141 40.5 31.7 47.5



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: 77.86 ng

RT: 13.42 min Scan# 1801

Delta R.T. 0.00 min

Lab File: BG023137.D

Acq: 16 Jul 2016 8:17

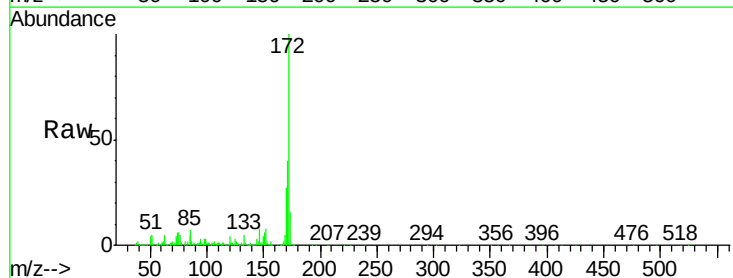
Tgt Ion:172 Resp: 1800891

Ion Ratio Lower Upper

172 100

171 40.5 31.6 47.4

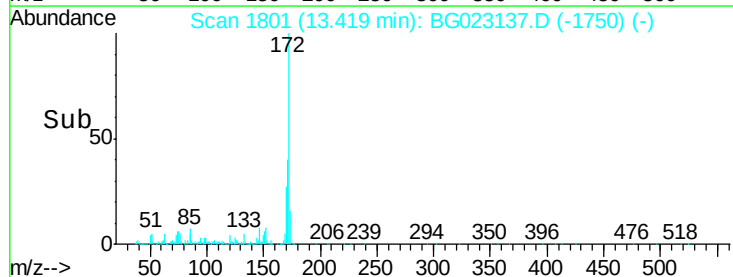
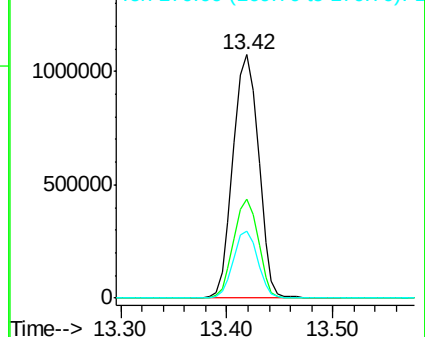
170 27.5 21.3 31.9

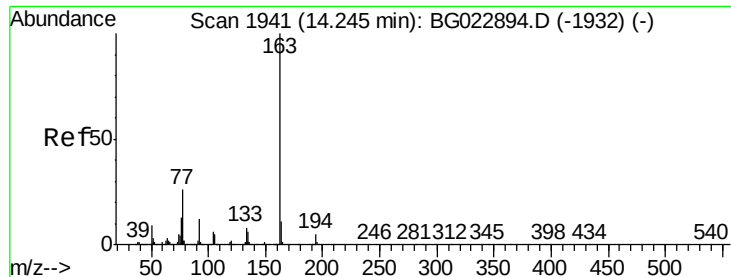


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 16.81 ng

RT: 14.24 min Scan# 1941

Delta R.T. -0.00 min

Lab File: BG023137.D

Acq: 16 Jul 2016 8:17

Instrument :

BNA\_G

ClientSampleId :

C5-20

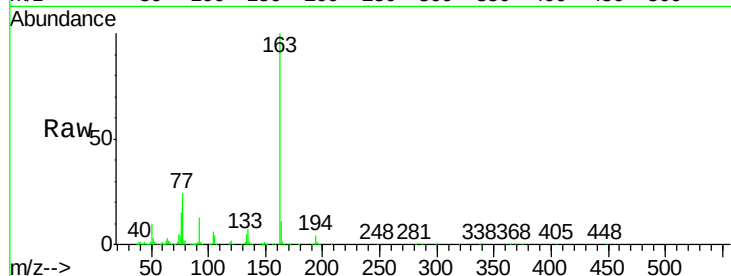
Tgt Ion:163 Resp: 500213

Ion Ratio Lower Upper

163 100

194 4.1 3.6 5.4

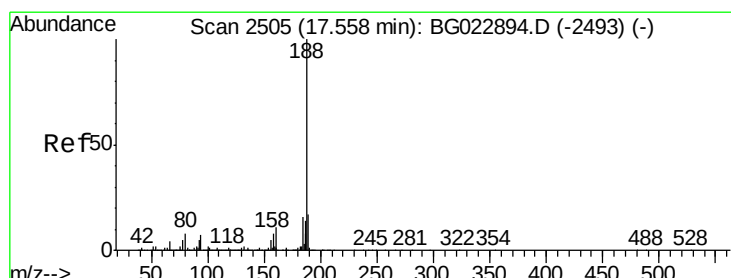
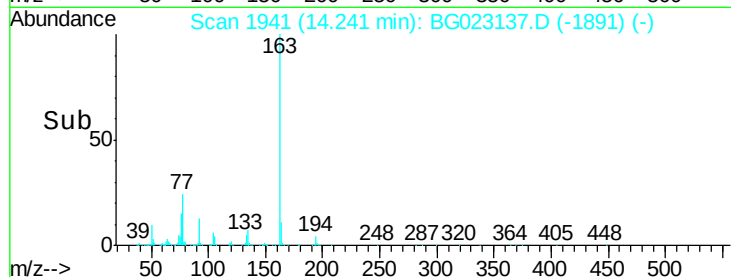
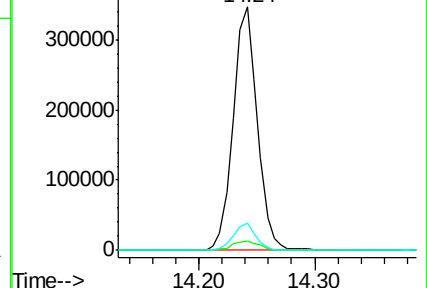
164 11.4 8.1 12.1



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.56 min Scan# 2505

Delta R.T. -0.00 min

Lab File: BG023137.D

Acq: 16 Jul 2016 8:17

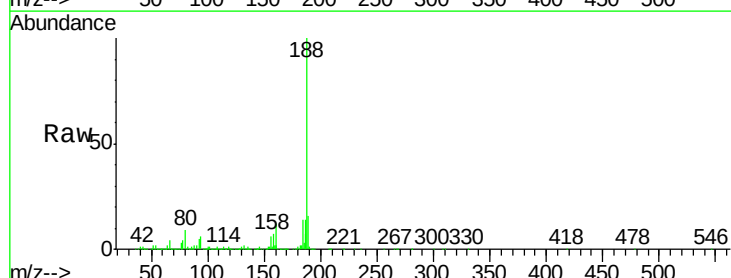
Tgt Ion:188 Resp: 832192

Ion Ratio Lower Upper

188 100

94 6.0 5.2 7.8

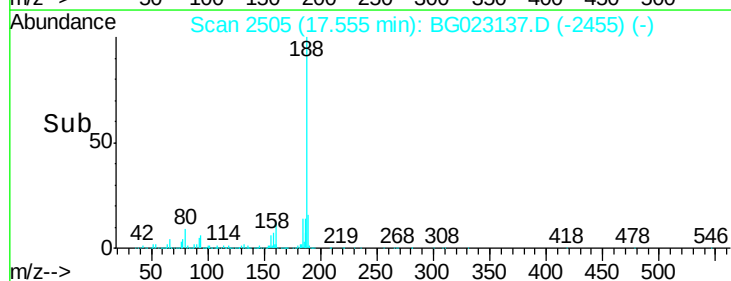
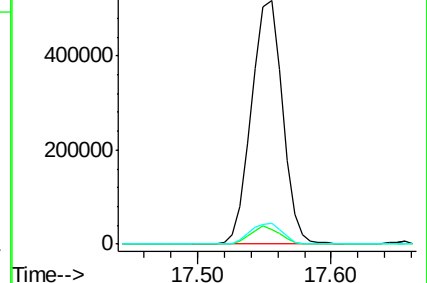
80 8.8 7.2 10.8

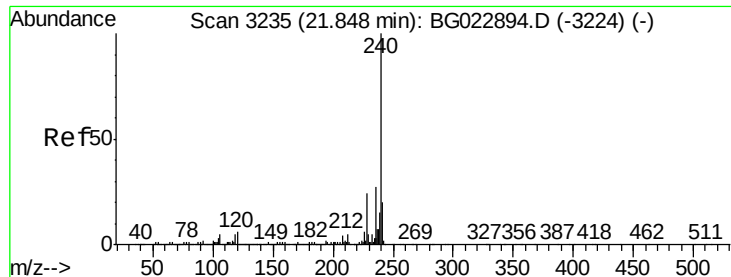


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

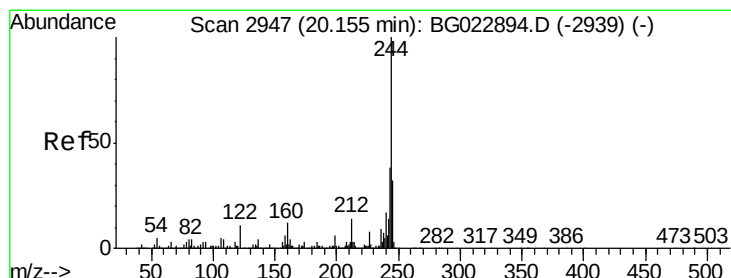
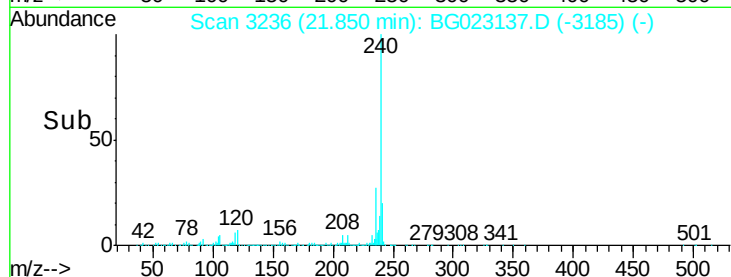
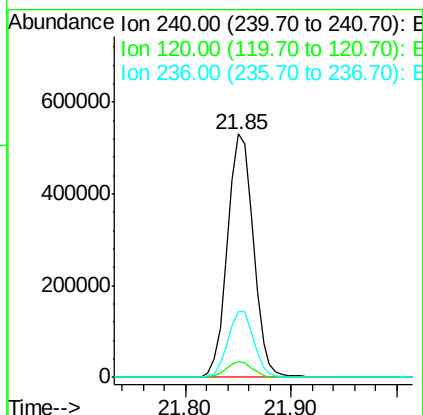
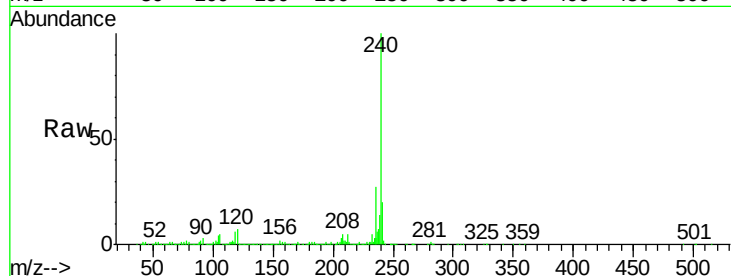




#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.85 min Scan# 3236  
Delta R.T. 0.00 min  
Lab File: BG023137.D  
Acq: 16 Jul 2016 8:17

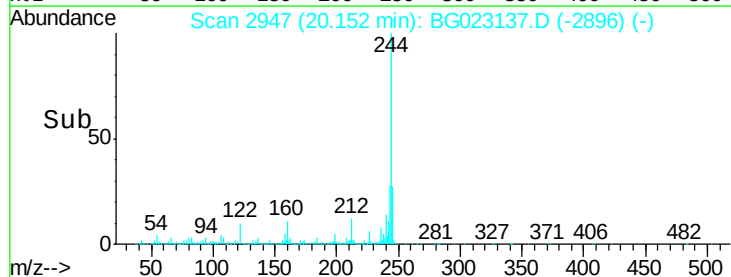
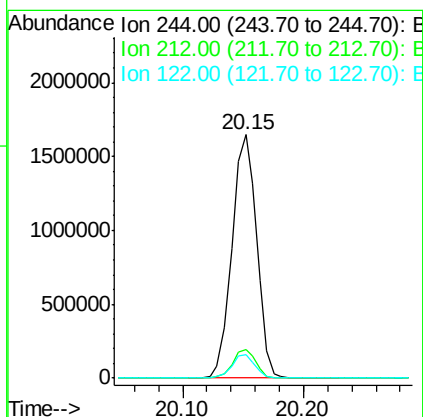
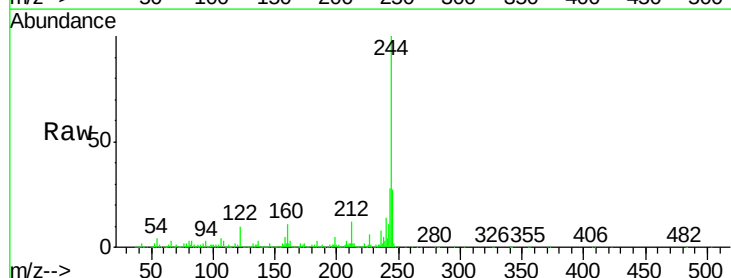
Instrument :  
BNA\_G  
ClientSampleId :  
C5-20

Tgt Ion:240 Resp: 899147  
Ion Ratio Lower Upper  
240 100  
120 6.6 4.1 6.1#  
236 26.9 21.1 31.7

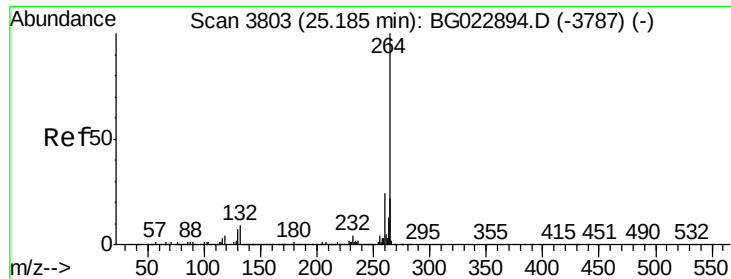


#78  
Terphenyl-d14  
Concen: 81.64 ng  
RT: 20.15 min Scan# 2947  
Delta R.T. -0.00 min  
Lab File: BG023137.D  
Acq: 16 Jul 2016 8:17

Tgt Ion:244 Resp: 2349509  
Ion Ratio Lower Upper  
244 100  
212 11.7 10.8 16.2  
122 9.6 8.0 12.0







#86

Perylene-d12

Concen: 20.00 ng

RT: 25.22 min Scan# 3810

Delta R.T. 0.04 min

Lab File: BG023137.D

Acq: 16 Jul 2016 8:17

Instrument :

BNA\_G

ClientSampleId :

C5-20

Tgt Ion:264 Resp: 893070

Ion Ratio Lower Upper

264 100

260 25.4 18.4 27.6

265 21.7 18.9 28.3

