

Data Path : V:\HPCHEM1\BNA G\DATA\BG070916\  
 Data File : BG022938.D  
 Acq On : 8 Jul 2016 20:05  
 Operator : UM/SJ  
 Sample : H3859-01  
 Misc :  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PZ-8

Quant Time: Jul 09 00:25:06 2016  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG070816.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 07 16:51:07 2016  
 Response via : Initial Calibration

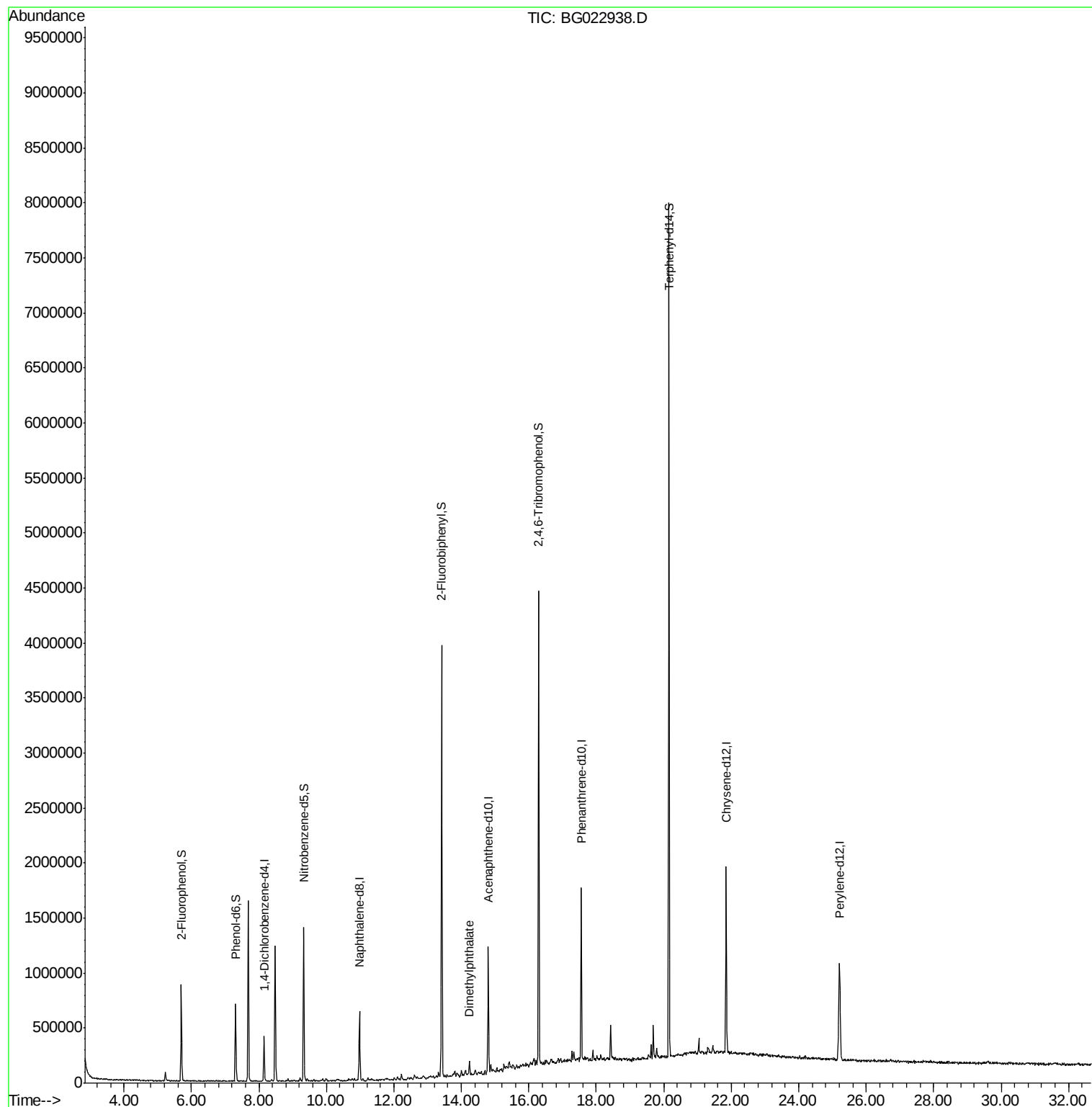
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.15  | 152  | 108321   | 20.00  | ng    | 0.00           |
| 21) Naphthalene-d8          | 10.98 | 136  | 499957   | 20.00  | ng    | 0.00           |
| 38) Acenaphthene-d10        | 14.80 | 164  | 384733   | 20.00  | ng    | 0.00           |
| 63) Phenanthrene-d10        | 17.55 | 188  | 919604   | 20.00  | ng    | 0.00           |
| 75) Chrysene-d12            | 21.85 | 240  | 1052646  | 20.00  | ng    | 0.00           |
| 86) Perylene-d12            | 25.21 | 264  | 1087826  | 20.00  | ng    | 0.02           |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 5.70  | 112  | 354333   | 53.50  | ng    | 0.00           |
| 7) Phenol-d6                | 7.31  | 99   | 392265   | 37.81  | ng    | 0.00           |
| 23) Nitrobenzene-d5         | 9.33  | 82   | 881406   | 75.49  | ng    | 0.00           |
| 41) 2,4,6-Tribromophenol    | 16.29 | 330  | 806596   | 116.65 | ng    | 0.00           |
| 44) 2-Fluorobiphenyl        | 13.42 | 172  | 1903952  | 77.95  | ng    | 0.00           |
| 78) Terphenyl-d14           | 20.16 | 244  | 2947550  | 91.38  | ng    | 0.00           |
| Target Compounds            |       |      |          |        |       |                |
| 49) Dimethylphthalate       | 14.24 | 163  | 69401    | 2.21   | ng    | Qvalue<br># 94 |

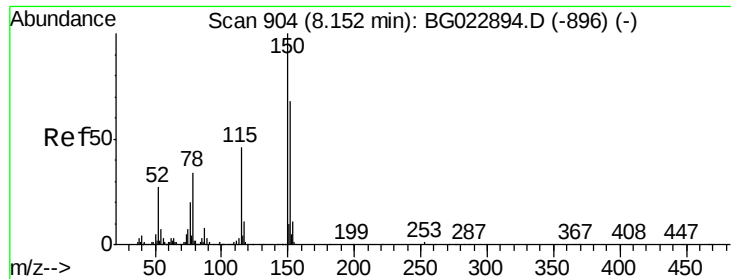
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jul 07 16:51:07 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: BG022938.D

Acq: 8 Jul 2016 20:05

Instrument :

BNA\_G

ClientSampleId :

PZ-8

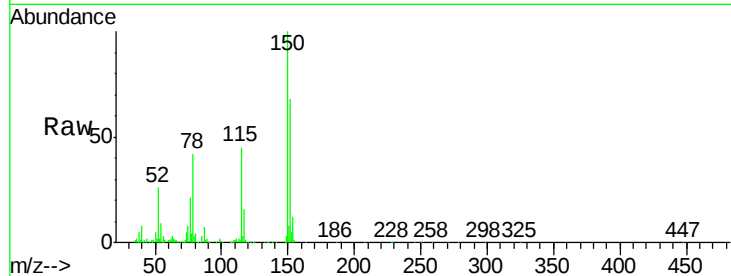
Tot Ion:152 Resp: 108321

Ion Ratio Lower Upper

152 100

150 148.0 144.7 217.1

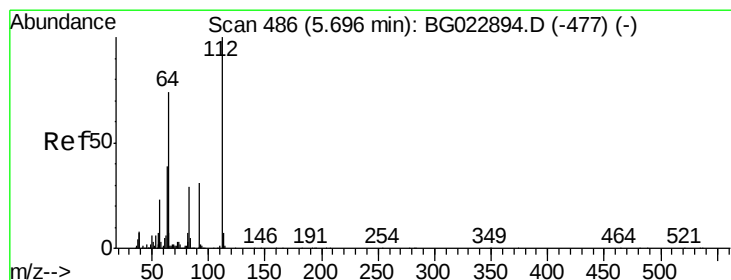
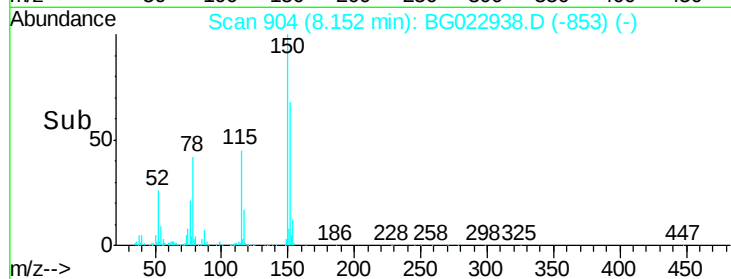
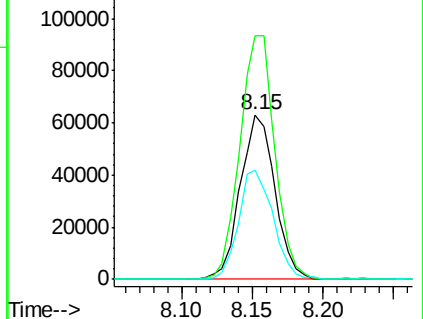
115 66.3 64.0 96.0



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: 53.50 ng

RT: 5.70 min Scan# 487

Delta R.T. 0.01 min

Lab File: BG022938.D

Acq: 8 Jul 2016 20:05

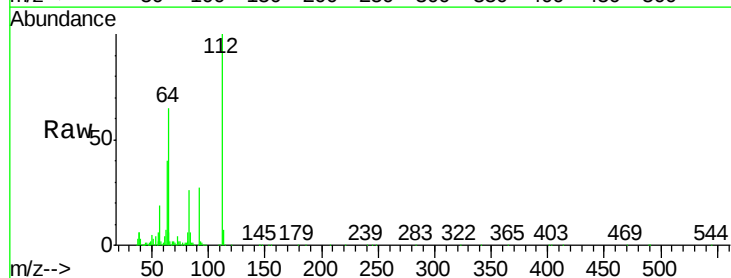
Tgt Ion:112 Resp: 354333

Ion Ratio Lower Upper

112 100

64 65.3 59.0 88.4

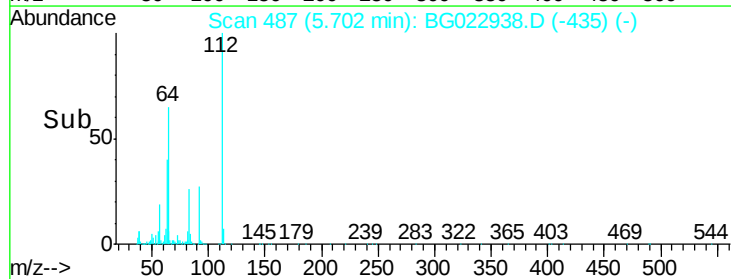
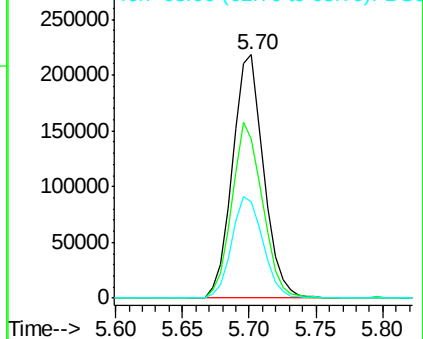
63 39.7 37.8 56.8

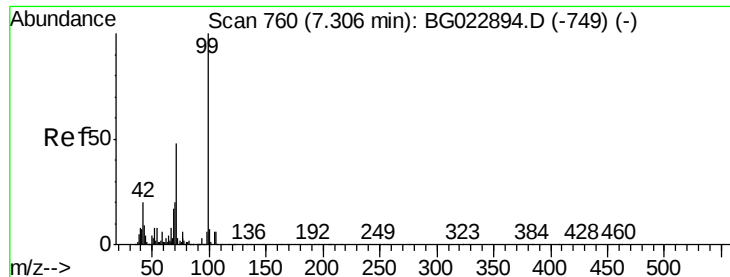


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 37.81 ng

RT: 7.31 min Scan# 760

Delta R.T. 0.00 min

Lab File: BG022938.D

Acq: 8 Jul 2016 20:05

Instrument :

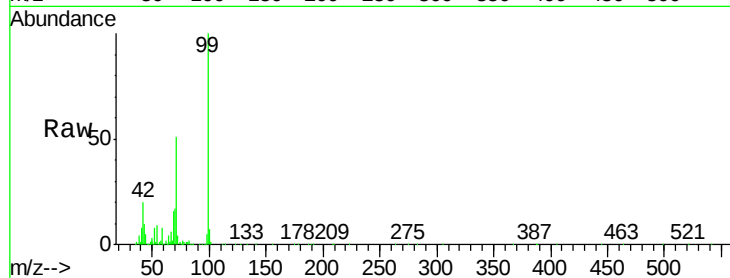
BNA\_G

ClientSampleId :

PZ-8

Tot Ion: 99 Resp: 392265

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 19.6  | 17.8  | 26.6  |
| 71  | 51.0  | 41.5  | 62.3  |



Abundance

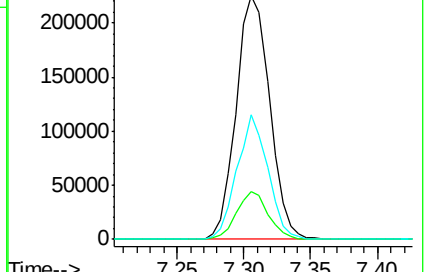
Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

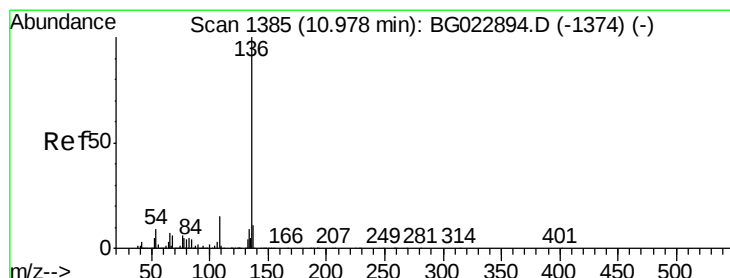
Ion 71.00 (70.70 to 71.70): BGC

7.31

Time-->



Time-->



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.98 min Scan# 1386

Delta R.T. 0.01 min

Lab File: BG022938.D

Acq: 8 Jul 2016 20:05

Tgt Ion: 136 Resp: 499957

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.1  | 9.6   | 14.4  |
| 54  | 8.4   | 7.3   | 10.9  |
| 68  | 6.2   | 5.3   | 7.9   |

Abundance

Ion 136.00 (135.70 to 136.70): BGC

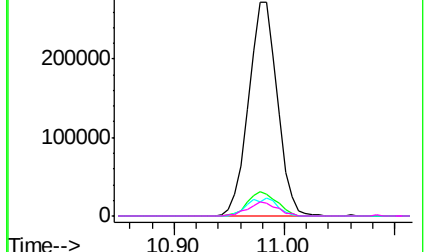
Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

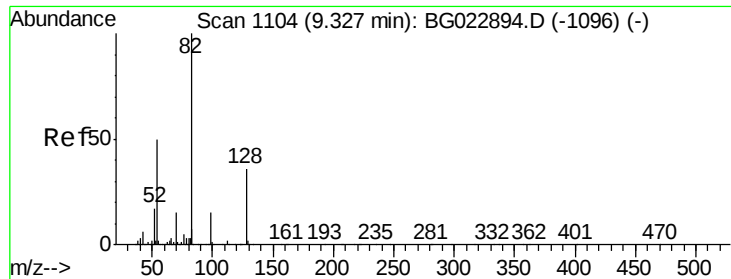
Ion 68.00 (67.70 to 68.70): BGC

10.98

Time-->



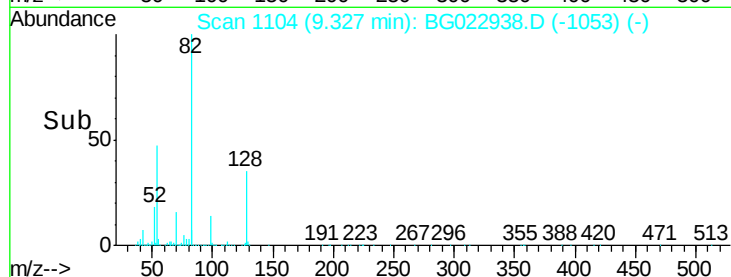
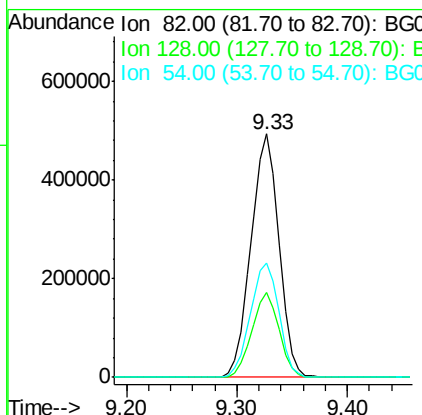
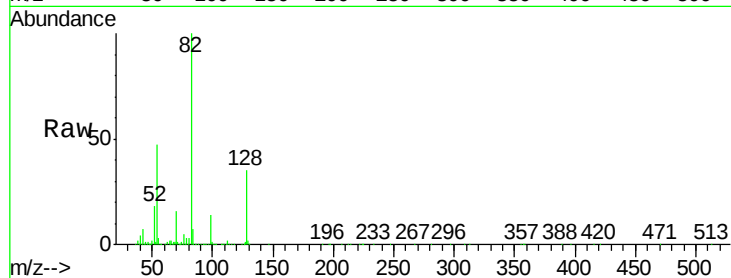
Time-->



#23  
 Nitrobenzene-d5  
 Concen: 75.49 ng  
 RT: 9.33 min Scan# 1104  
 Delta R.T. 0.00 min  
 Lab File: BG022938.D  
 Acq: 8 Jul 2016 20:05

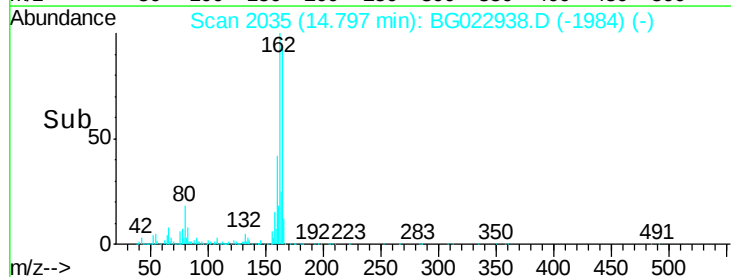
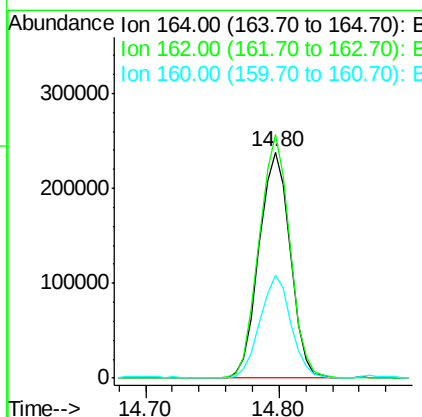
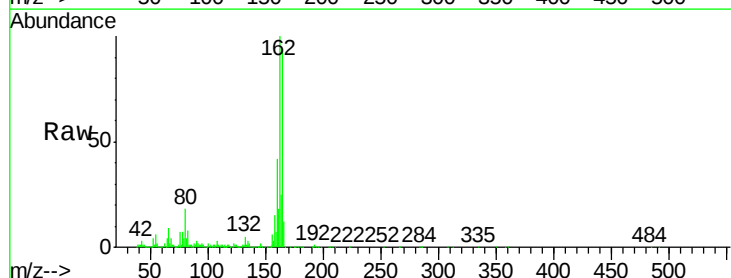
Instrument :  
 BNA\_G  
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 PZ-8

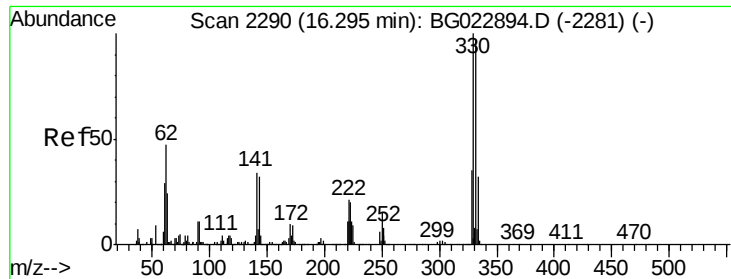
Tot Ion: 82 Resp: 881406  
 Ion Ratio Lower Upper  
 82 100  
 128 34.9 24.4 36.6  
 54 47.0 41.4 62.0



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.80 min Scan# 2035  
 Delta R.T. 0.00 min  
 Lab File: BG022938.D  
 Acq: 8 Jul 2016 20:05

Tgt Ion: 164 Resp: 384733  
 Ion Ratio Lower Upper  
 164 100  
 162 107.9 87.7 131.5  
 160 45.5 37.2 55.8

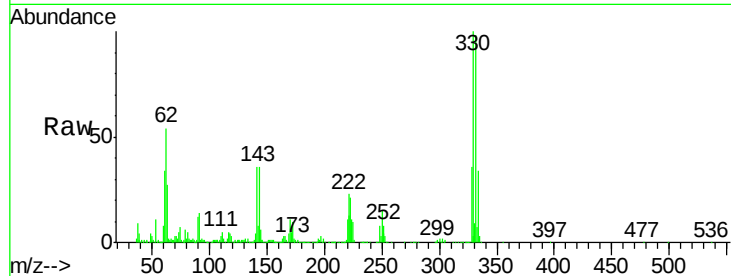




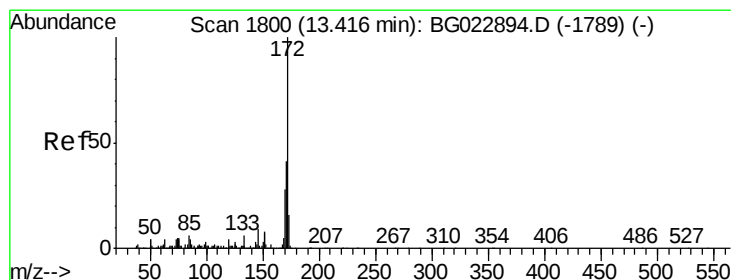
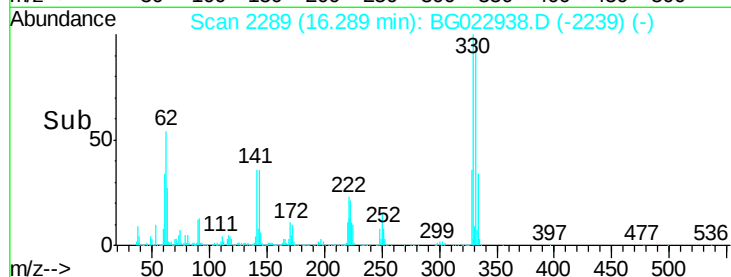
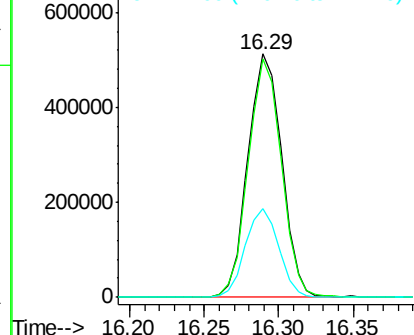
#41  
 2,4,6-Tribromophenol  
 Concen: 116.65 ng  
 RT: 16.29 min Scan# 2289  
 Delta R.T. -0.01 min  
 Lab File: BG022938.D  
 Acq: 8 Jul 2016 20:05

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PZ-8

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.0  | 77.4  | 116.2 |
| 141     | 35.8  | 31.7  | 47.5  |

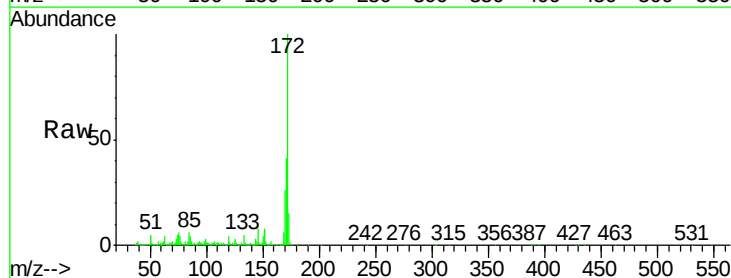


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

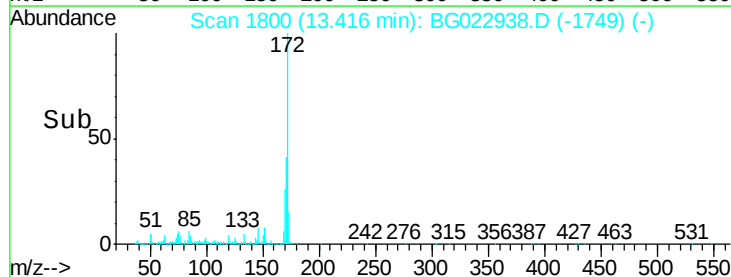
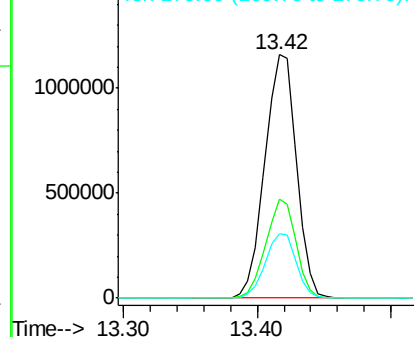


#44  
 2-Fluorobiphenyl  
 Concen: 77.95 ng  
 RT: 13.42 min Scan# 1800  
 Delta R.T. 0.00 min  
 Lab File: BG022938.D  
 Acq: 8 Jul 2016 20:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 40.7  | 31.6  | 47.4  |
| 170     | 26.3  | 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

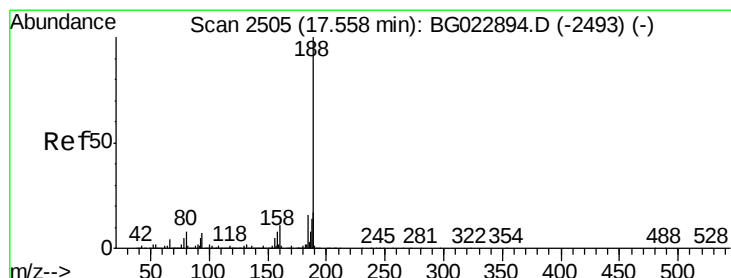
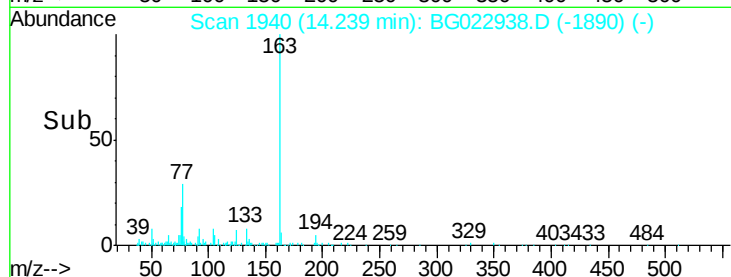
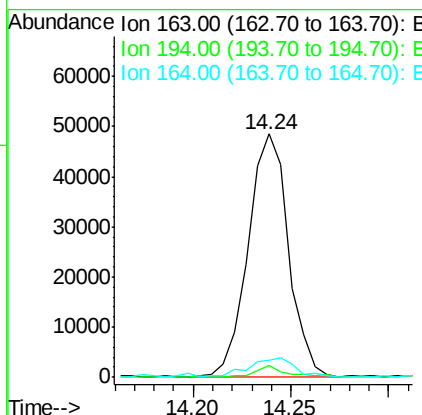
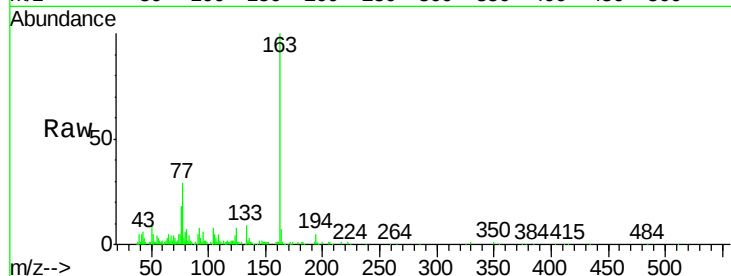




#49  
Dimethylphthalate  
Concen: 2.21 ng  
RT: 14.24 min Scan# 1940  
Delta R.T. -0.01 min  
Lab File: BG022938.D  
Acq: 8 Jul 2016 20:05

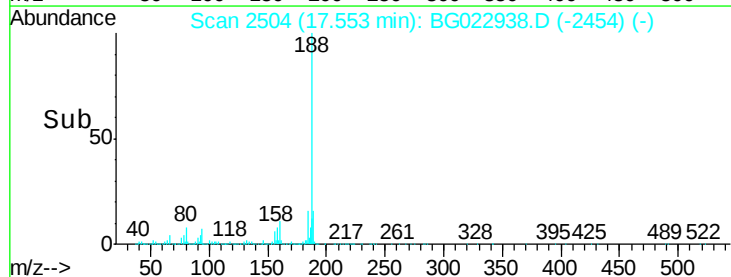
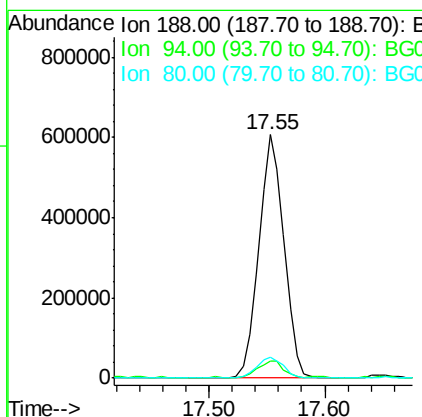
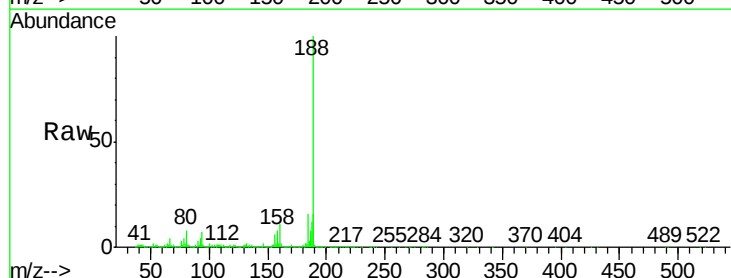
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ClientSampleId :  
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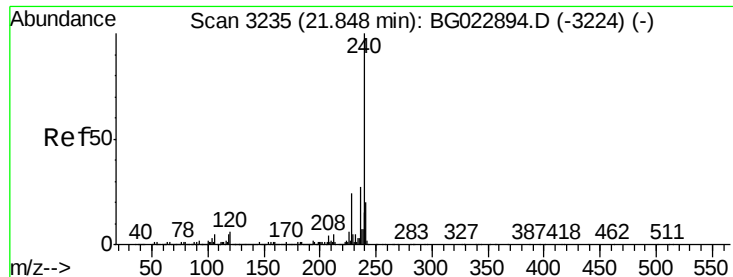
| Tot Ion   | 163 | Resp  | 69401 |
|-----------|-----|-------|-------|
| Ion Ratio | 100 | Lower | Upper |
| 194       | 4.7 | 3.6   | 5.4   |
| 164       | 6.8 | 8.1   | 12.1# |



#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.55 min Scan# 2504  
Delta R.T. -0.01 min  
Lab File: BG022938.D  
Acq: 8 Jul 2016 20:05

| Tgt Ion   | 188 | Resp  | 919604 |
|-----------|-----|-------|--------|
| Ion Ratio | 100 | Lower | Upper  |
| 94        | 7.1 | 5.2   | 7.8    |
| 80        | 8.3 | 7.2   | 10.8   |

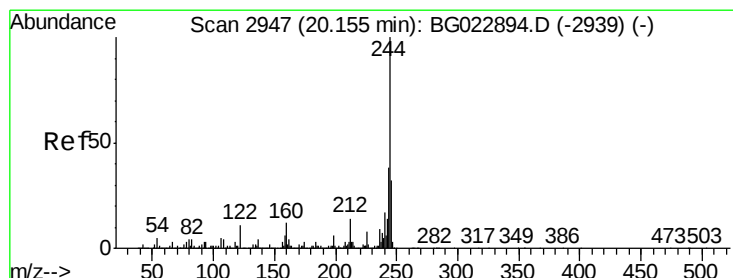
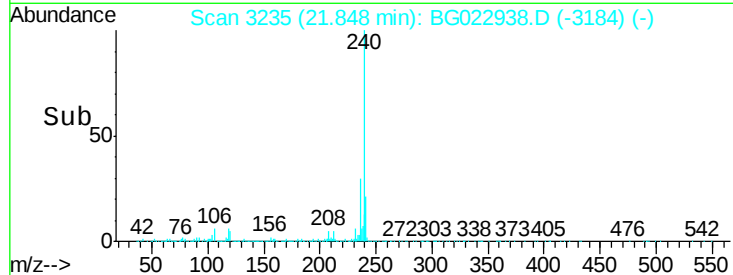
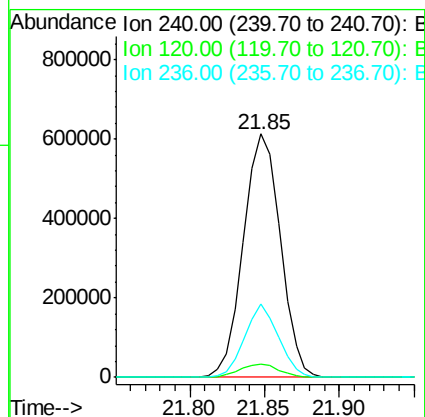
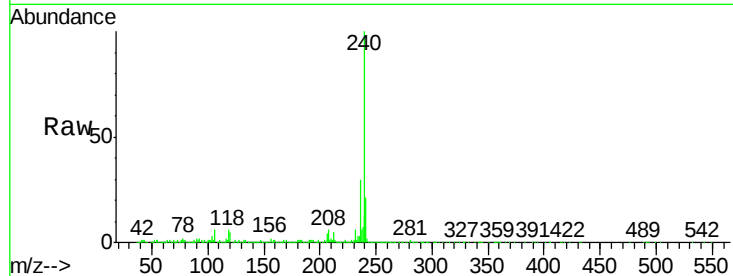




#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 21.85 min Scan# 3235  
 Delta R.T. 0.00 min  
 Lab File: BG022938.D  
 Acq: 8 Jul 2016 20:05

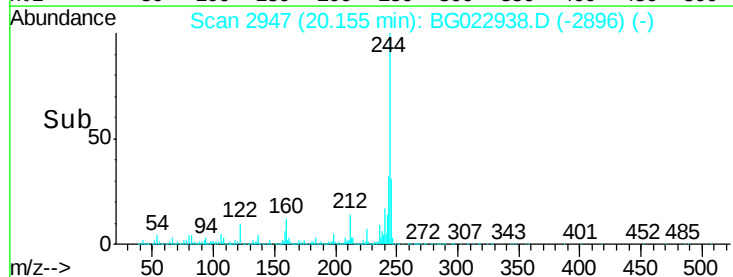
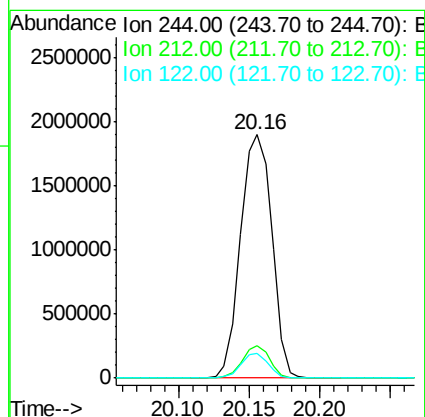
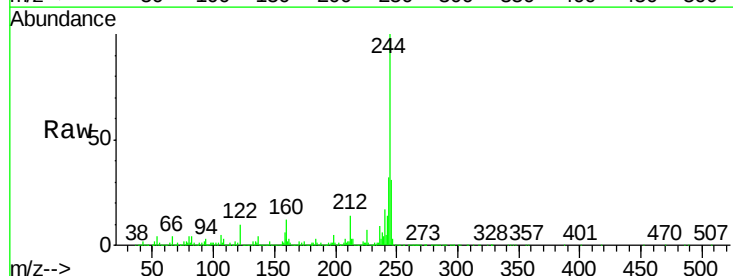
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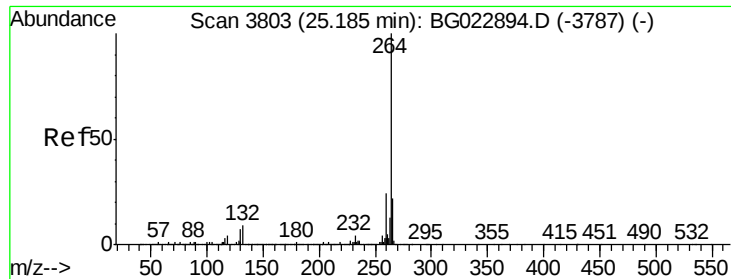
Tot Ion:240 Resp: 1052646  
 Ion Ratio Lower Upper  
 240 100  
 120 5.2 4.1 6.1  
 236 30.2 21.1 31.7



#78  
 Terphenyl-d14  
 Concen: 91.38 ng  
 RT: 20.16 min Scan# 2947  
 Delta R.T. 0.00 min  
 Lab File: BG022938.D  
 Acq: 8 Jul 2016 20:05

Tgt Ion:244 Resp: 2947550  
 Ion Ratio Lower Upper  
 244 100  
 212 13.6 10.8 16.2  
 122 10.3 8.0 12.0





#86  
 Pervlene-d12  
 Concen: 20.00 ng  
 RT: 25.21 min Scan# 3807  
 Delta R.T. 0.02 min  
 Lab File: BG022938.D  
 Acq: 8 Jul 2016 20:05

Instrument :  
 BNA\_G  
 ClientSampleId :  
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Tot Ion:264 Resp: 1087826  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.3  | 18.4  | 27.6  |
| 265 | 22.9  | 18.9  | 28.3  |

