

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022717\  
 Data File : BG025983.D  
 Acq On : 28 Feb 2017 3:43  
 Operator : SJ/MA  
 Sample : I1998-09  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 ROLL-OFF-20-41-COMP

Quant Time: Feb 28 04:31:21 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG021717.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 17 15:48:21 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.08  | 152  | 86467    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.88 | 136  | 406457   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 14.68 | 164  | 280763   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 17.41 | 188  | 781844   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.65 | 240  | 831917   | 20.00  | ng    | -0.03    |
| 86) Perylene-d12            | 24.85 | 264  | 800676   | 20.00  | ng    | -0.03    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.65  | 112  | 717646   | 144.50 | ng    | 0.00     |
| 7) Phenol-d6                | 7.23  | 99   | 938685   | 127.72 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.23  | 82   | 597531   | 92.77  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 16.16 | 330  | 546771   | 210.79 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.31 | 172  | 1647660  | 102.54 | ng    | -0.01    |
| 78) Terphenyl-d14           | 20.01 | 244  | 2770225  | 80.99  | ng    | -0.01    |

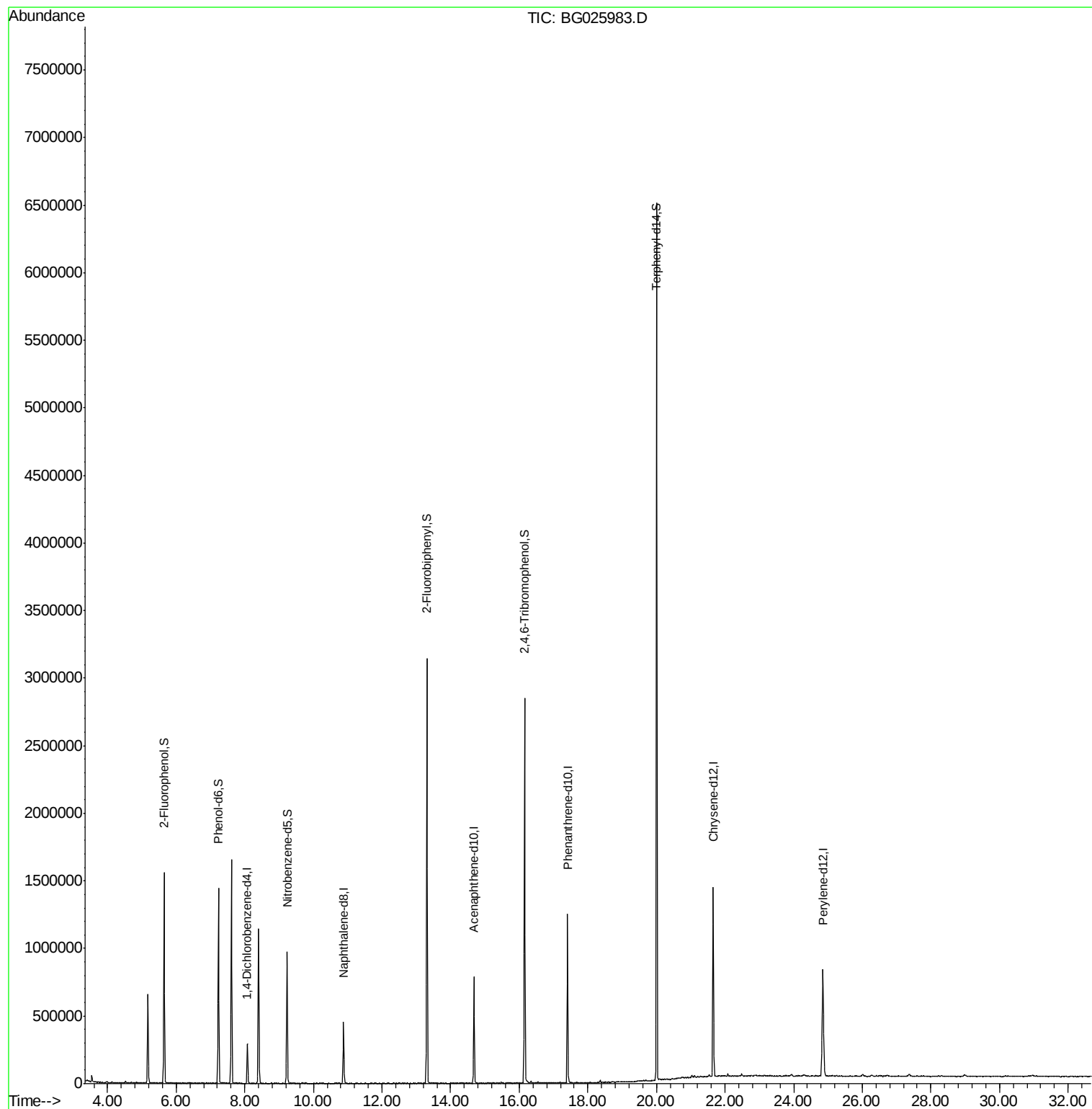
Target Compounds Qvalue

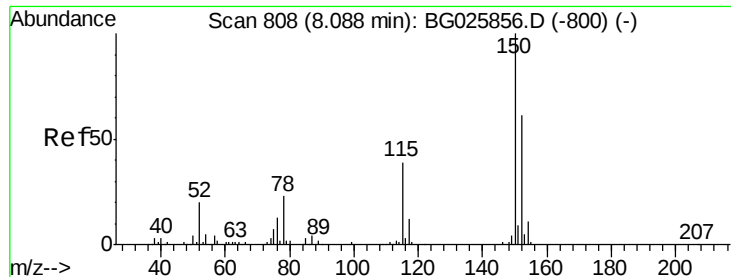
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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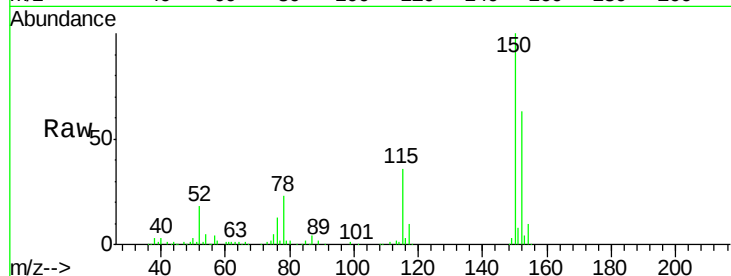


#1

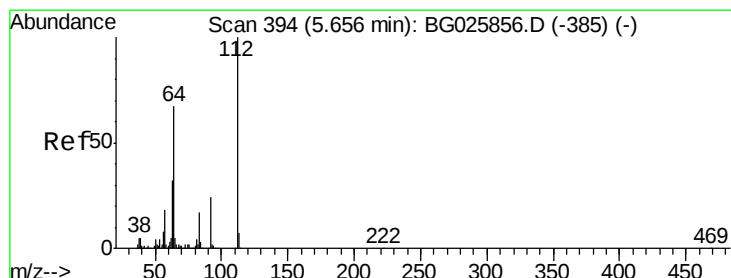
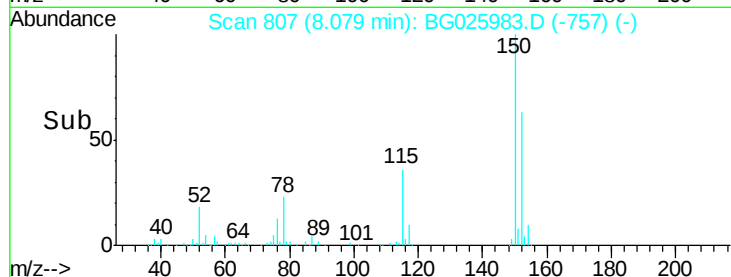
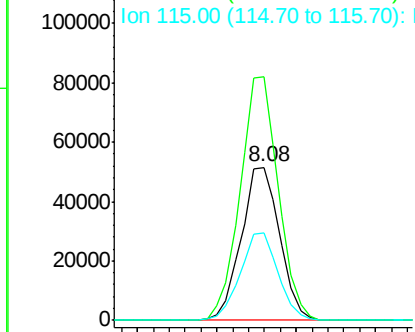
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.08 min Scan# 807  
Delta R.T. -0.01 min  
Lab File: BG025983.D  
Acq: 28 Feb 2017 3:43

Instrument :  
BNA\_G  
ClientSampleId :  
ROLL-OFF-20-41-COMP

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 159.4 | 114.0 | 171.0 |
| 115     | 57.3  | 48.1  | 72.1  |



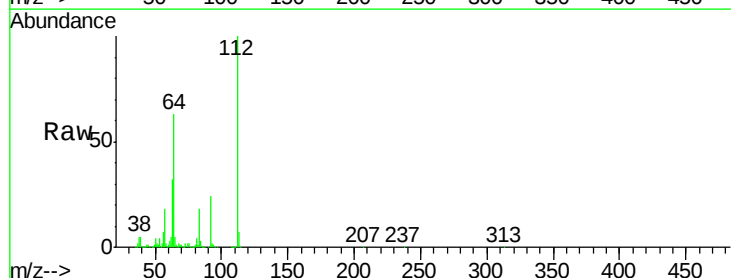
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



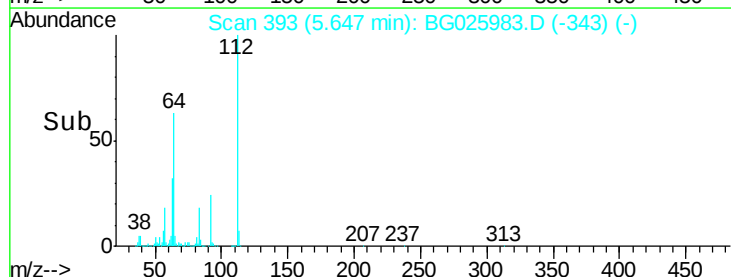
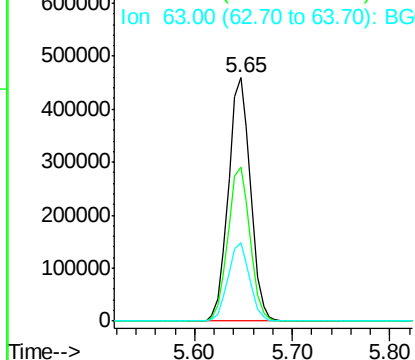
#5

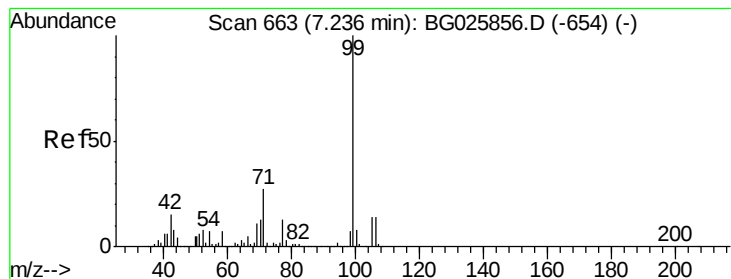
2-Fluorophenol  
Concen: 144.50 ng  
RT: 5.65 min Scan# 393  
Delta R.T. -0.01 min  
Lab File: BG025983.D  
Acq: 28 Feb 2017 3:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 63.1  | 61.8  | 92.6  |
| 63      | 32.1  | 37.2  | 55.8  |



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: 127.72 ng

RT: 7.23 min Scan# 663

Delta R.T. -0.00 min

Lab File: BG025983.D

Acq: 28 Feb 2017 3:43

Instrument :

BNA\_G

ClientSampleId :

ROLL-OFF-20-41-COMP

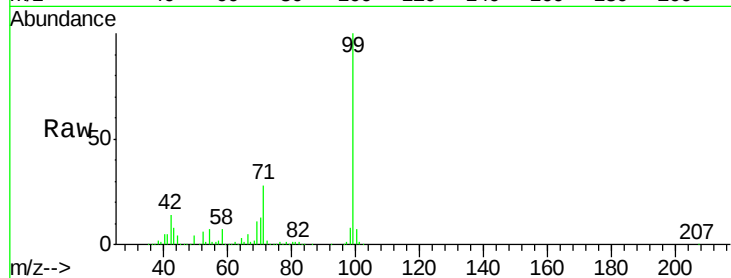
Tot Ion: 99 Resp: 938685

Ion Ratio Lower Upper

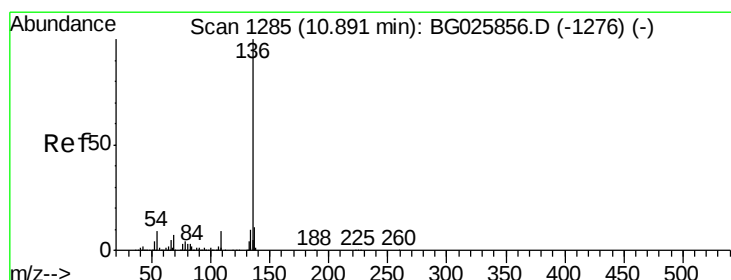
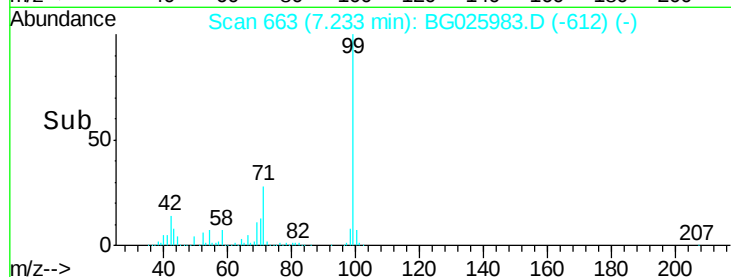
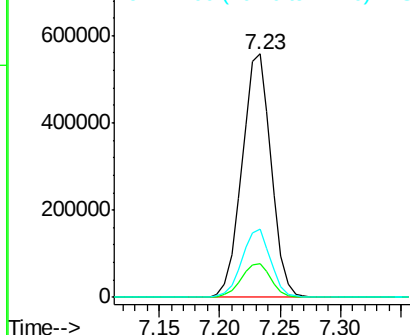
99 100

42 14.1 20.5 30.7#

71 27.9 37.6 56.4#



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: 10.88 min Scan# 1283

Delta R.T. -0.01 min

Lab File: BG025983.D

Acq: 28 Feb 2017 3:43

Tgt Ion: 136 Resp: 406457

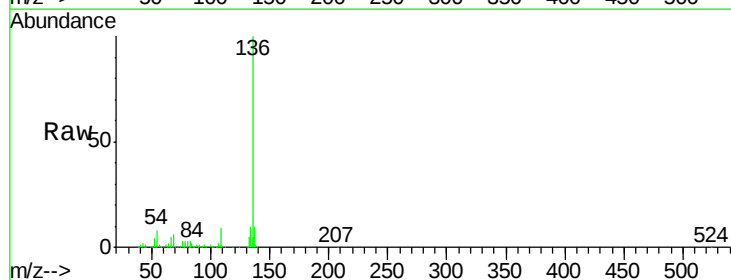
Ion Ratio Lower Upper

136 100

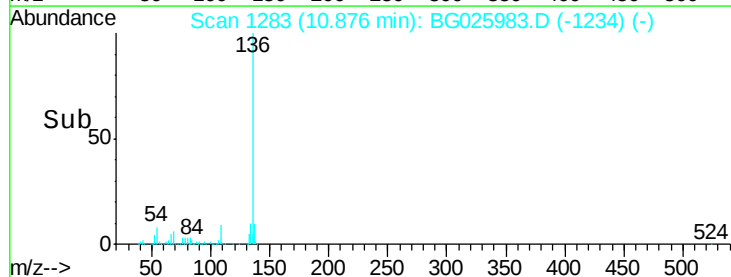
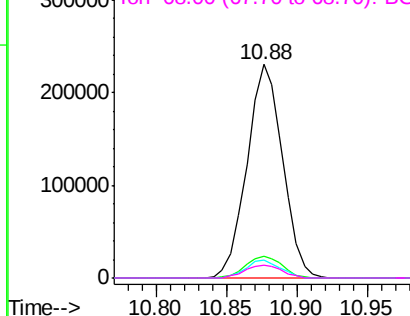
137 10.3 8.9 13.3

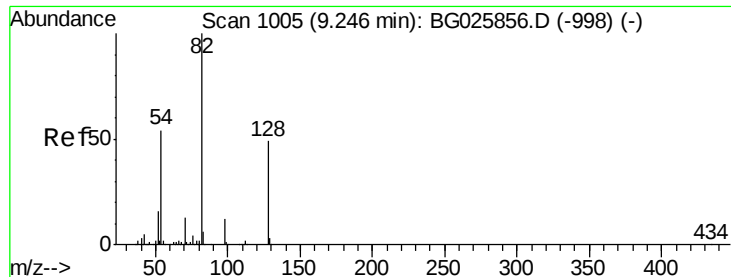
54 8.3 9.3 13.9#

68 6.1 5.1 7.7



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

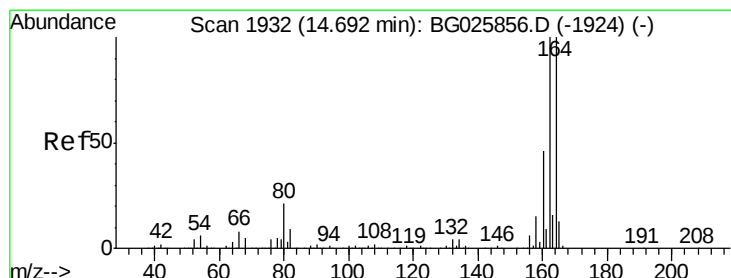
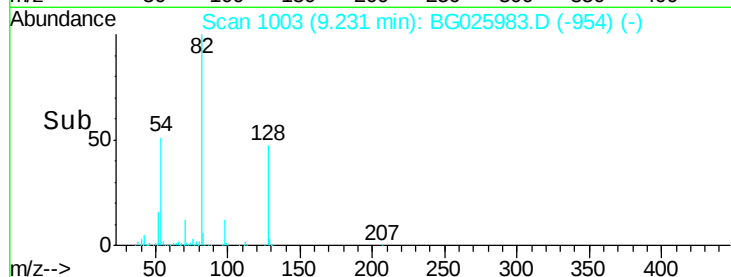
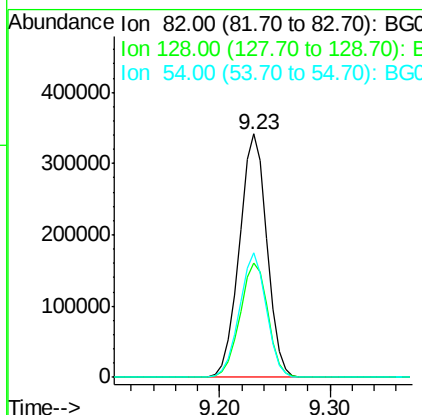
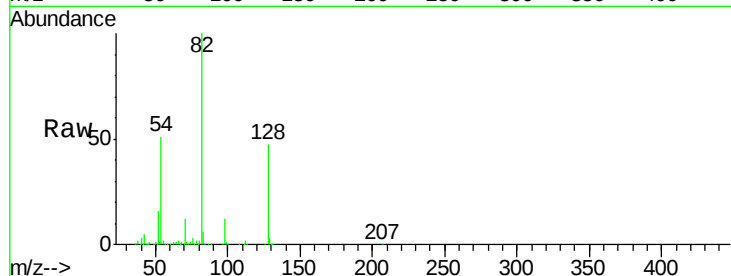




#23  
 Nitrobenzene-d5  
 Concen: 92.77 ng  
 RT: 9.23 min Scan# 1003  
 Delta R.T. -0.01 min  
 Lab File: BG025983.D  
 Acq: 28 Feb 2017 3:43

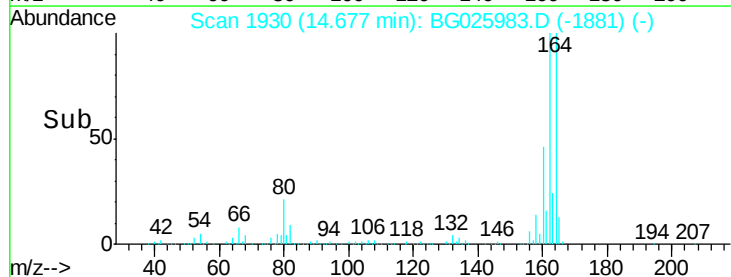
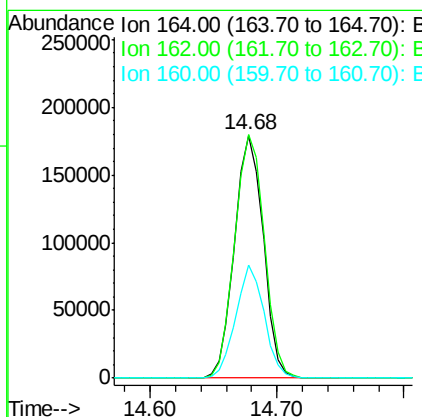
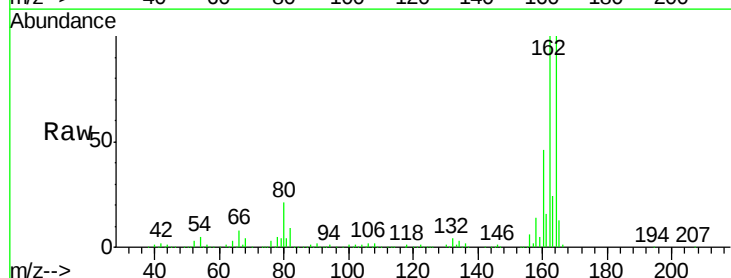
Instrument :  
 BNA\_G  
 ClientSampleId :  
 ROLL-OFF-20-41-COMP

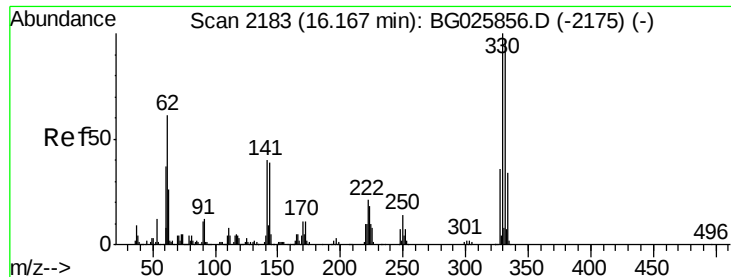
| Tot Ion | 82    | Resp  | 597531 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 82      | 100   |       |        |
| 128     | 47.0  | 26.4  | 39.6#  |
| 54      | 51.1  | 49.4  | 74.2   |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.68 min Scan# 1930  
 Delta R.T. -0.01 min  
 Lab File: BG025983.D  
 Acq: 28 Feb 2017 3:43

| Tgt Ion | 164   | Resp  | 280763 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 164     | 100   |       |        |
| 162     | 100.2 | 85.1  | 127.7  |
| 160     | 46.3  | 34.7  | 52.1   |

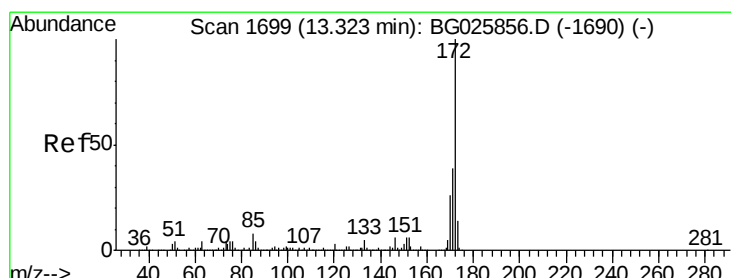
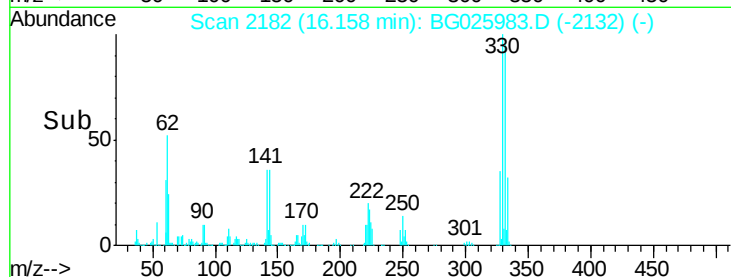
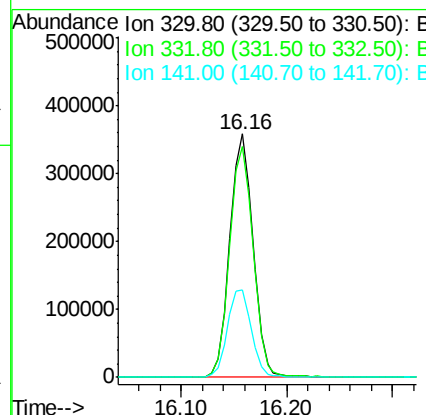
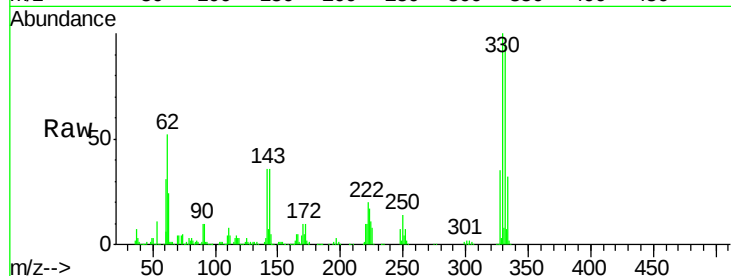




#41  
2,4,6-Tribromophenol  
Concen: 210.79 ng  
RT: 16.16 min Scan# 2182  
Delta R.T. -0.01 min  
Lab File: BG025983.D  
Acq: 28 Feb 2017 3:43

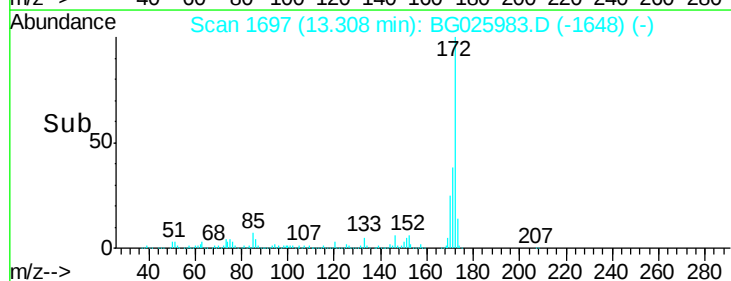
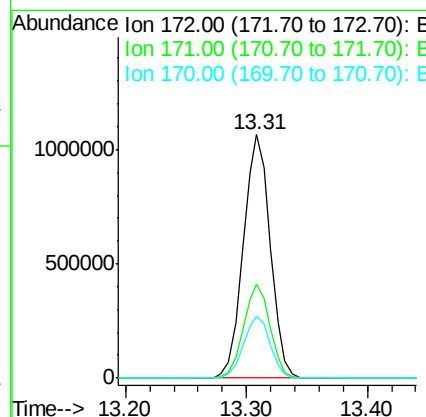
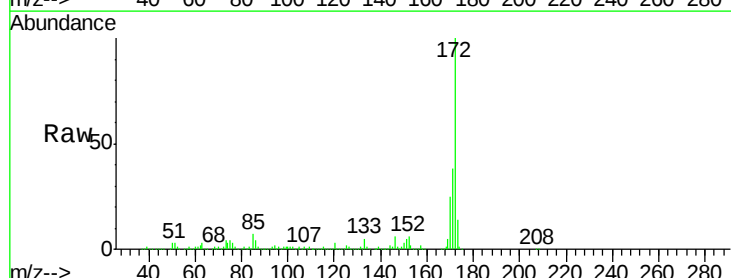
Instrument :  
BNA\_G  
ClientSampleId :  
ROLL-OFF-20-41-COMP

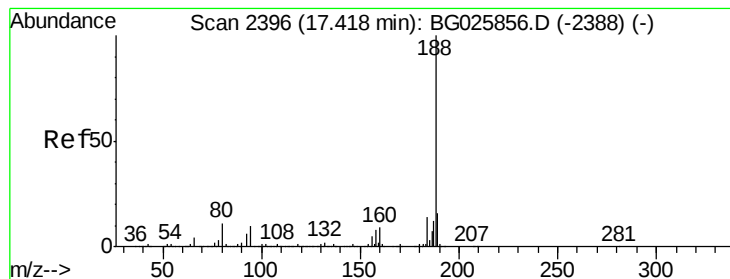
Tot Ion:330 Resp: 546771  
Ion Ratio Lower Upper  
330 100  
332 96.8 77.3 115.9  
141 37.0 32.1 48.1



#44  
2-Fluorobiphenyl  
Concen: 102.54 ng  
RT: 13.31 min Scan# 1697  
Delta R.T. -0.01 min  
Lab File: BG025983.D  
Acq: 28 Feb 2017 3:43

Tgt Ion:172 Resp: 1647660  
Ion Ratio Lower Upper  
172 100  
171 38.4 32.2 48.2  
170 25.3 21.8 32.6





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.41 min Scan# 2395

Delta R.T. -0.01 min

Lab File: BG025983.D

Acq: 28 Feb 2017 3:43

Instrument :

BNA\_G

ClientSampleId :

ROLL-OFF-20-41-COMP

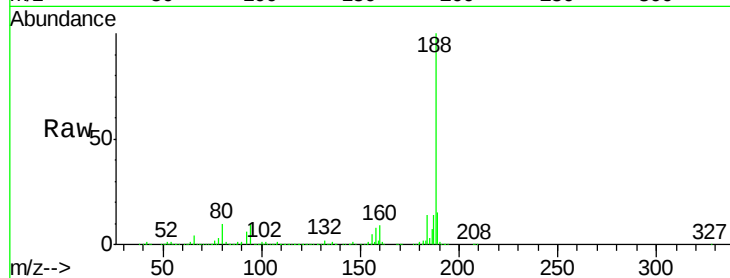
Tot Ion:188 Resp: 781844

Ion Ratio Lower Upper

188 100

94 9.7 5.8 8.8#

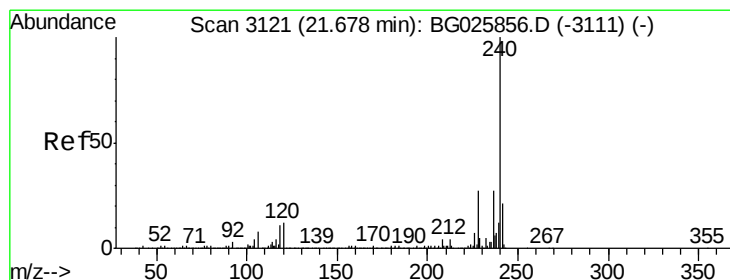
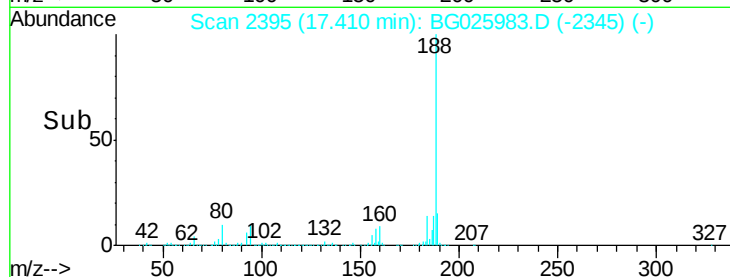
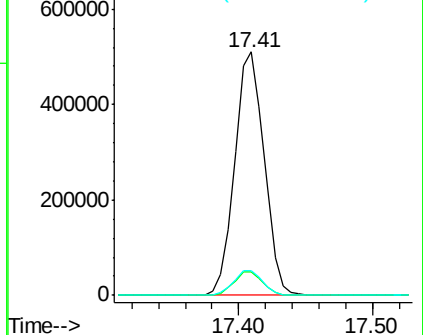
80 10.4 7.5 11.3



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: 21.65 min Scan# 3117

Delta R.T. -0.03 min

Lab File: BG025983.D

Acq: 28 Feb 2017 3:43

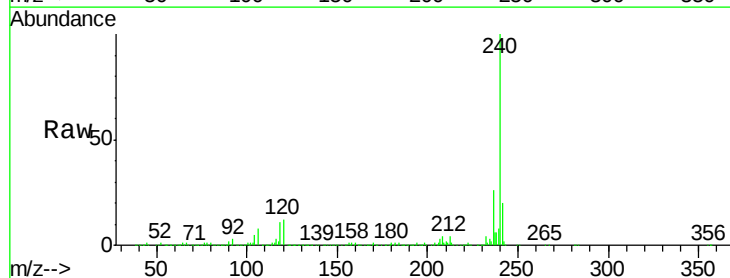
Tgt Ion:240 Resp: 831917

Ion Ratio Lower Upper

240 100

120 12.3 5.7 8.5#

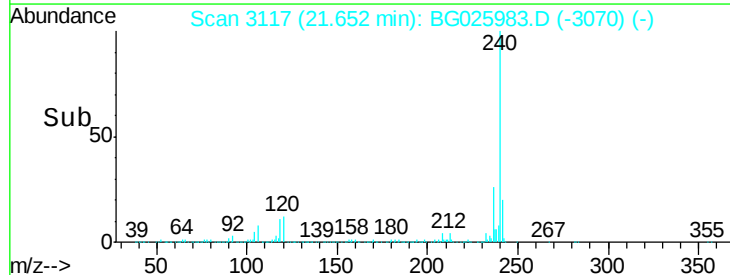
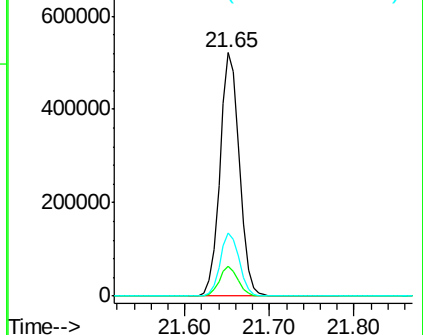
236 26.0 22.2 33.4

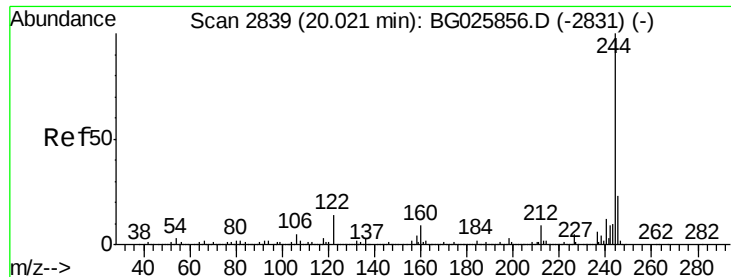


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 80.99 ng

RT: 20.01 min Scan# 2837

Delta R.T. -0.01 min

Lab File: BG025983.D

Acq: 28 Feb 2017 3:43

Instrument :

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ClientSampleId :

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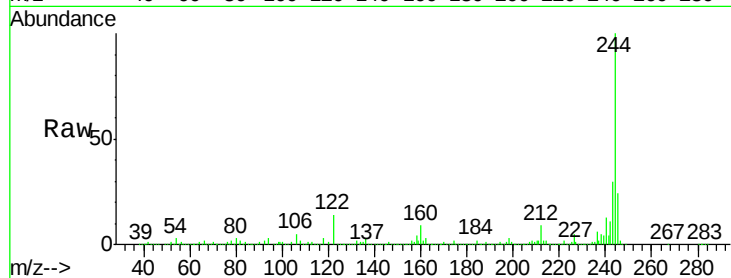
Tot Ion:244 Resp: 2770225

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 9.3   | 10.0  | 15.0# |
| 122 | 13.9  | 8.6   | 12.8# |

244 100

212 9.3 10.0 15.0#

122 13.9 8.6 12.8#

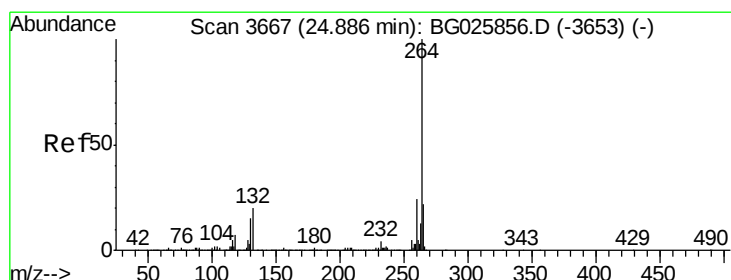
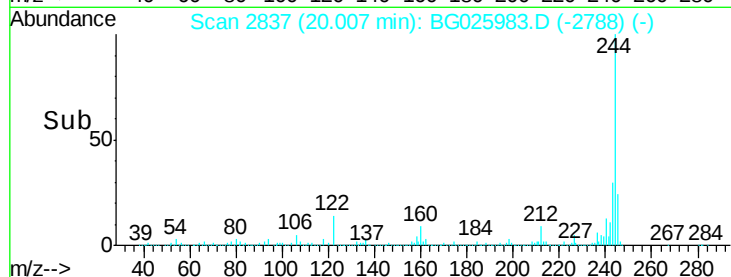
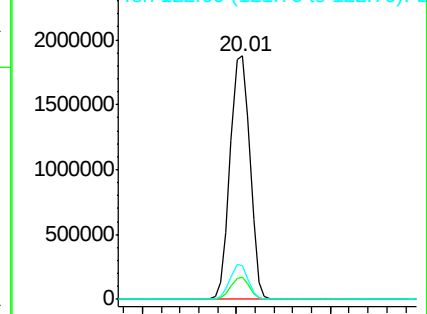


Abundance

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: 24.85 min Scan# 3662

Delta R.T. -0.03 min

Lab File: BG025983.D

Acq: 28 Feb 2017 3:43

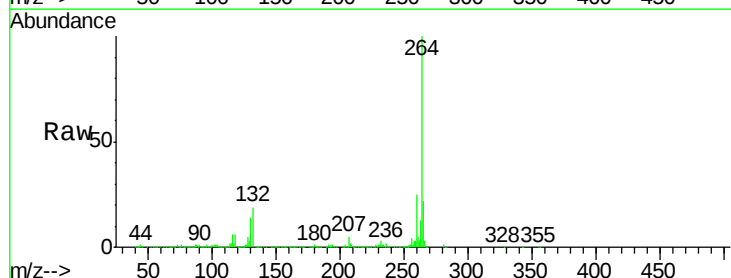
Tgt Ion:264 Resp: 800676

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 25.1  | 21.8  | 32.8  |
| 265 | 21.8  | 18.2  | 27.4  |

264 100

260 25.1 21.8 32.8

265 21.8 18.2 27.4



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

