

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG030518\  
 Data File : BG032985.D  
 Acq On : 5 Mar 2018 12:11  
 Operator : SJ/JU  
 Sample : J1751-12  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 JC-02-030118-F

Quant Time: Mar 05 14:25:39 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Mar 01 17:38:52 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.91  | 152  | 68830    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 11.80 | 136  | 296068   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 15.53 | 164  | 169184   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 18.25 | 188  | 376680   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 22.61 | 240  | 349501   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 26.42 | 264  | 341007   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 6.33  | 112  | 602807   | 140.11 | ng    | 0.00     |
| 7) Phenol-d6                | 8.01  | 99   | 738421   | 123.14 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 10.11 | 82   | 531966   | 120.06 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 17.00 | 330  | 278817   | 156.73 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 14.16 | 172  | 1145230  | 97.63  | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.77 | 244  | 1603248  | 103.06 | ng    | 0.00     |

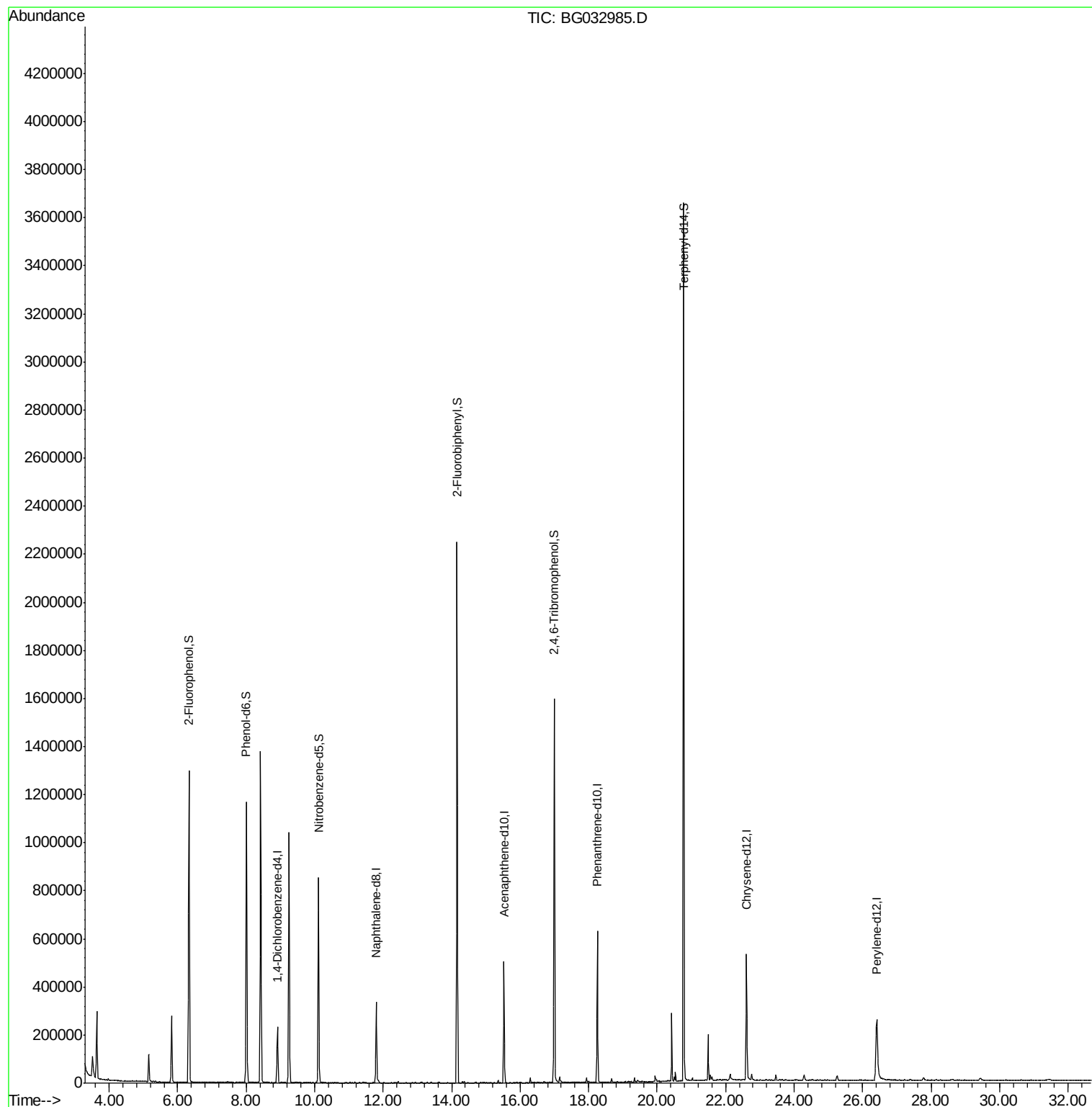
Target Compounds Qvalue

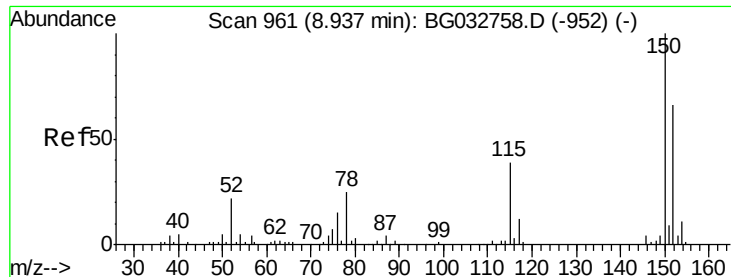
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG030518\  
Data File : BG032985.D  
Acq On : 5 Mar 2018 12:11  
Operator : SJ/JU  
Sample : J1751-12  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
JC-02-030118-F

Quant Time: Mar 05 14:25:39 2018  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Mar 01 17:38:52 2018  
Response via : Initial Calibration



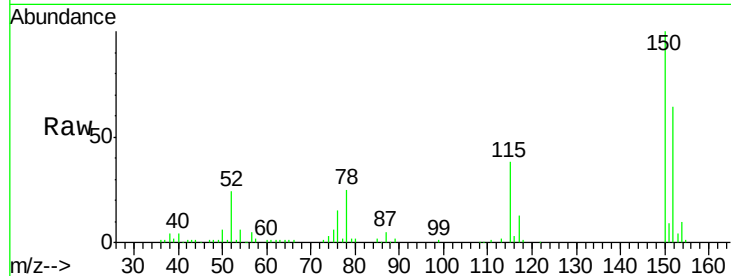


#1

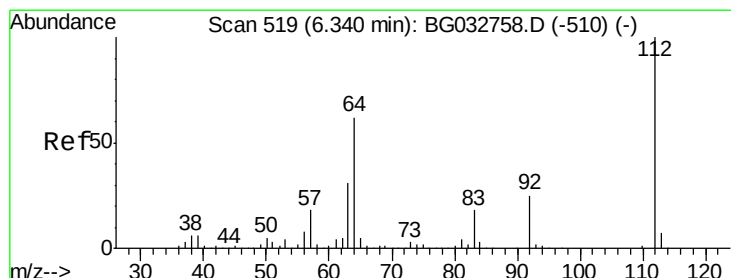
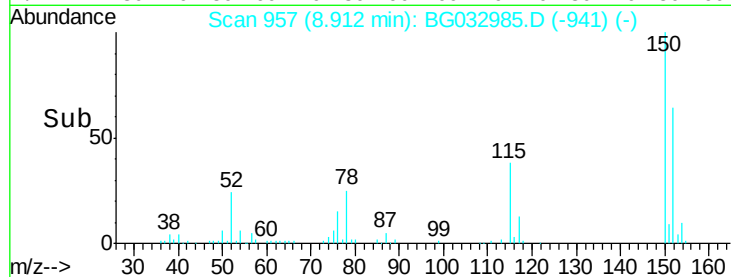
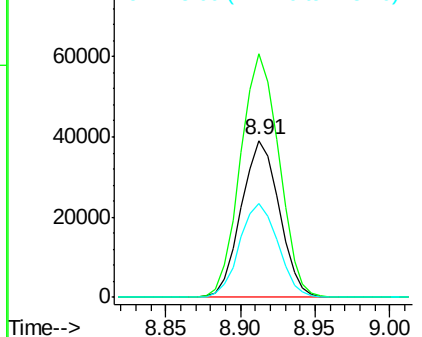
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.91 min Scan# 957  
Delta R.T. -0.01 min  
Lab File: BG032985.D  
Acq: 5 Mar 2018 12:11

Instrument :  
BNA\_G  
ClientSampleId :  
JC-02-030118-F

Tot Ion:152 Resp: 68830  
Ion Ratio Lower Upper  
152 100  
150 155.2 126.6 189.8  
115 59.6 53.0 79.4



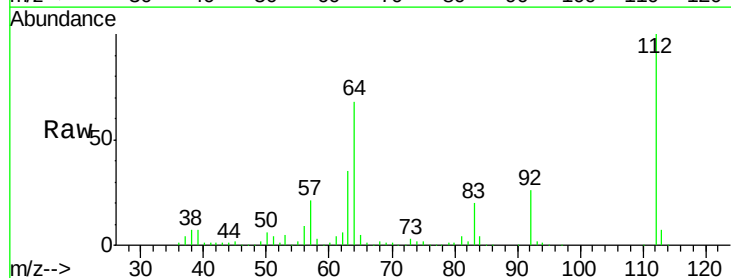
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



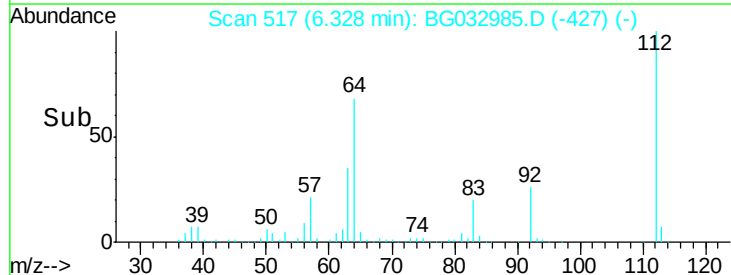
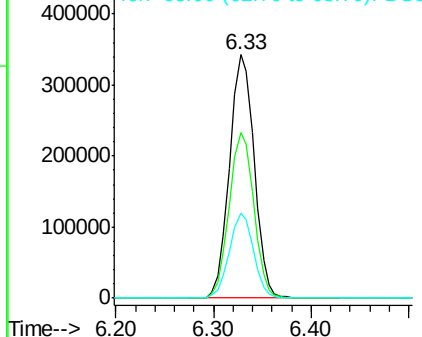
#5

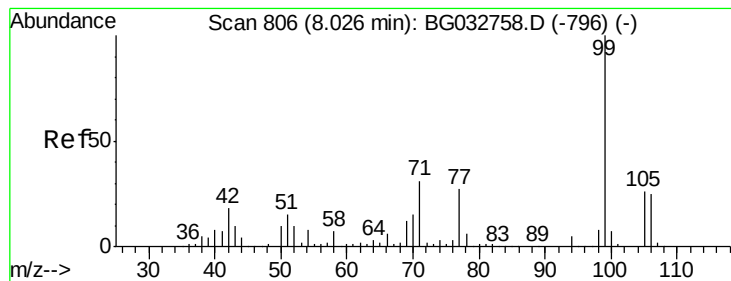
2-Fluorophenol  
Concen: 140.114 ng  
RT: 6.33 min Scan# 517  
Delta R.T. -0.00 min  
Lab File: BG032985.D  
Acq: 5 Mar 2018 12:11

Tgt Ion:112 Resp: 602807  
Ion Ratio Lower Upper  
112 100  
64 68.3 56.3 84.5  
63 34.6 30.1 45.1



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: 123.137 ng

RT: 8.01 min Scan# 803

Delta R.T. -0.01 min

Lab File: BG032985.D

Acq: 5 Mar 2018 12:11

Instrument :

BNA\_G

ClientSampleId :

JC-02-030118-F

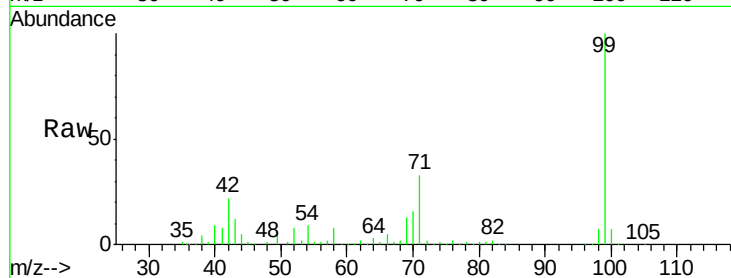
Tot Ion: 99 Resp: 738421

Ion Ratio Lower Upper

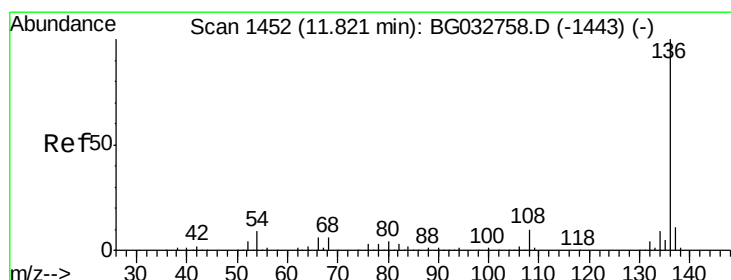
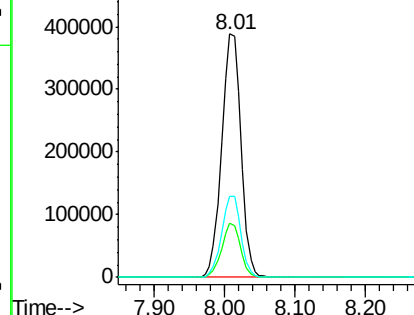
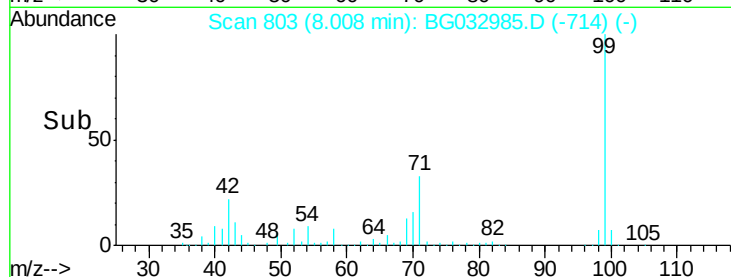
99 100

42 22.2 14.1 21.1#

71 33.3 26.1 39.1



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: 20.000 ng

RT: 11.80 min Scan# 1448

Delta R.T. -0.01 min

Lab File: BG032985.D

Acq: 5 Mar 2018 12:11

Tgt Ion: 136 Resp: 296068

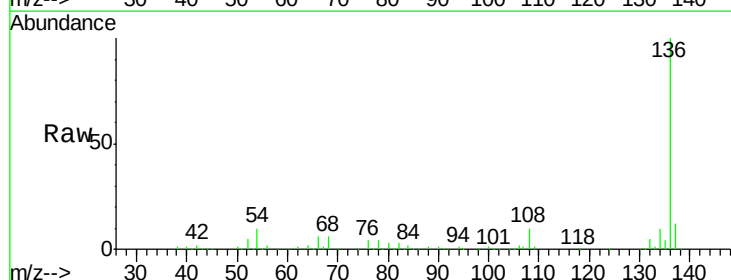
Ion Ratio Lower Upper

136 100

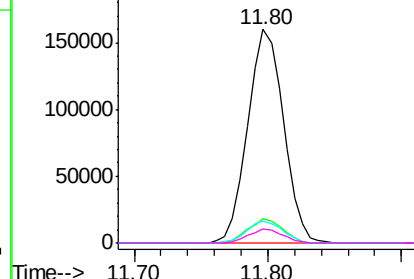
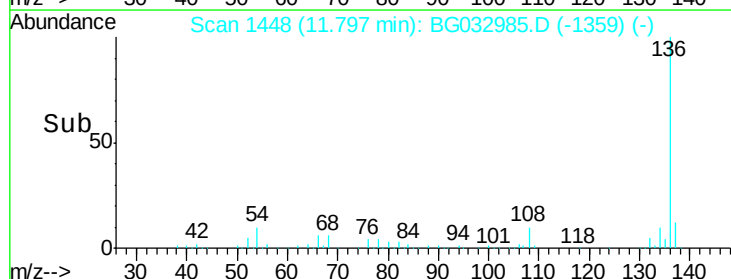
137 11.6 9.2 13.8

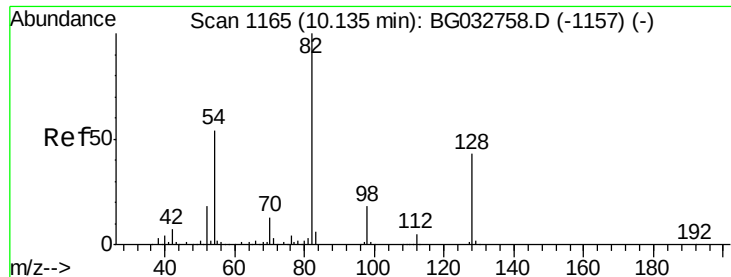
54 10.3 10.3 15.5#

68 6.4 4.5 6.7



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

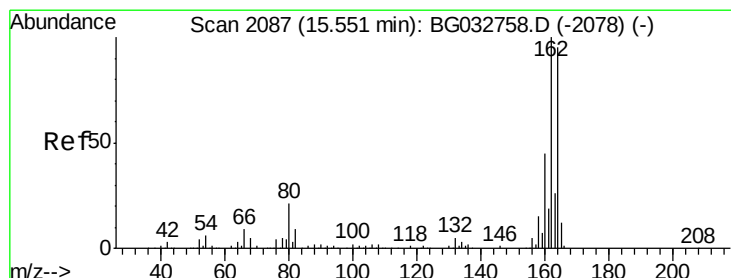
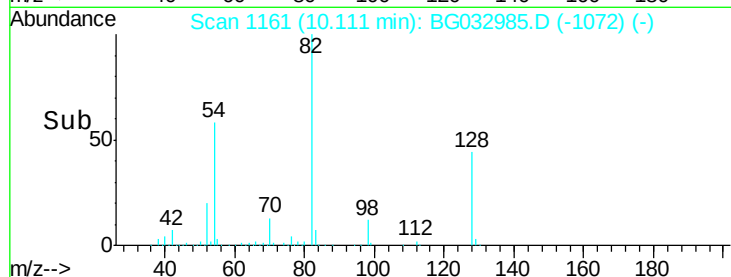
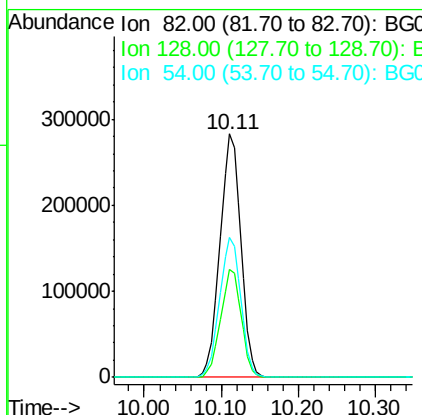
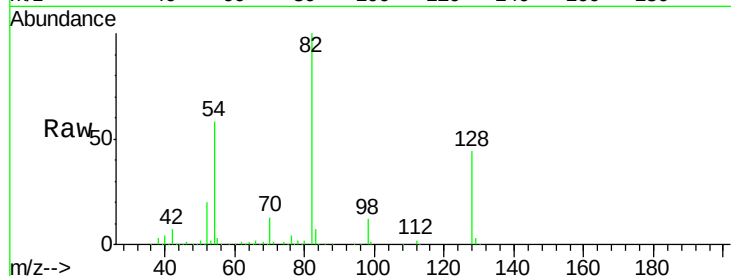




#23  
 Nitrobenzene-d5  
 Concen: 120.059 ng  
 RT: 10.11 min Scan# 1161  
 Delta R.T. -0.01 min  
 Lab File: BG032985.D  
 Acq: 5 Mar 2018 12:11

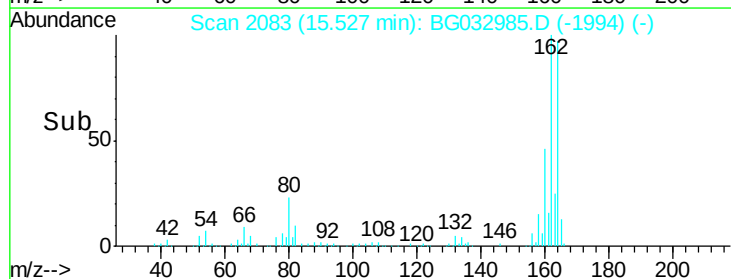
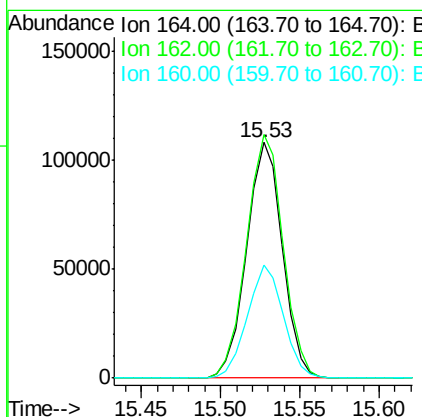
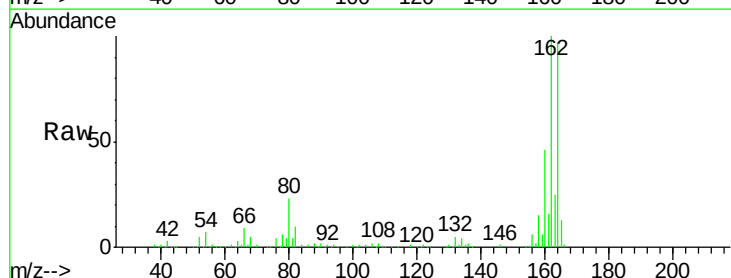
Instrument :  
 BNA\_G  
 ClientSampleId :  
 JC-02-030118-F

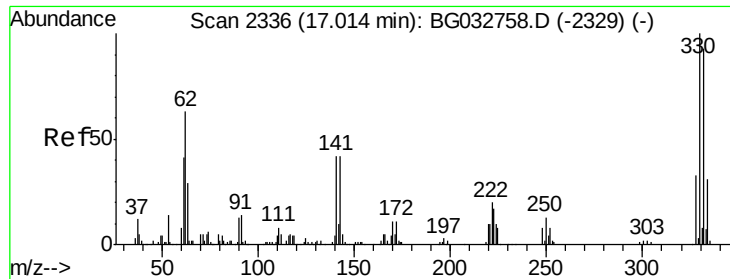
| Tot Ion   | 82    | Resp  | 531966 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 44.2  | 29.7  | 44.5   |
| 54        | 57.6  | 43.1  | 64.7   |



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 15.53 min Scan# 2083  
 Delta R.T. -0.01 min  
 Lab File: BG032985.D  
 Acq: 5 Mar 2018 12:11

| Tgt Ion   | 164   | Resp  | 169184 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 103.3 | 78.8  | 118.2  |
| 160       | 47.8  | 35.4  | 53.0   |

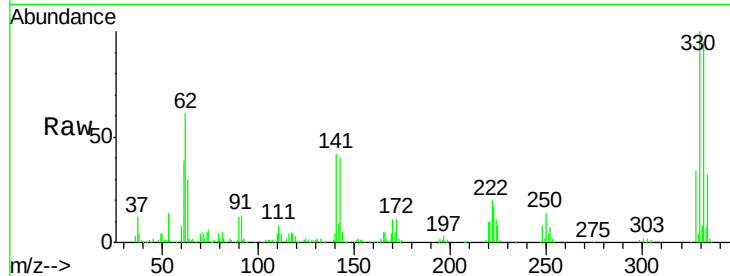




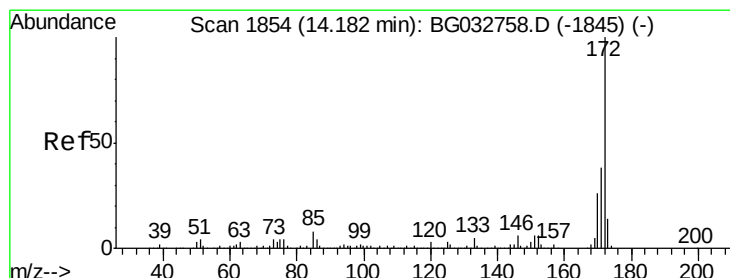
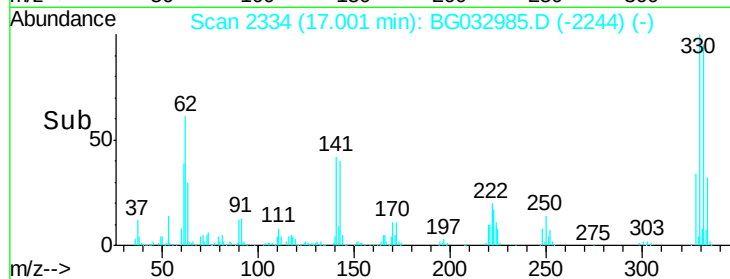
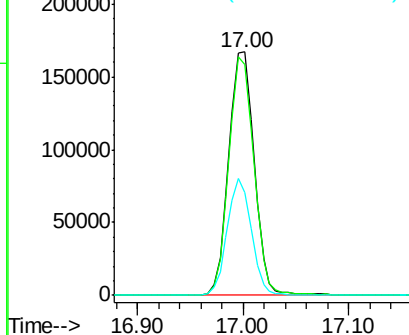
#41  
 2,4,6-Tribromophenol  
 Concen: 156.735 ng  
 RT: 17.00 min Scan# 2334  
 Delta R.T. -0.00 min  
 Lab File: BG032985.D  
 Acq: 5 Mar 2018 12:11

Instrument :  
 BNA\_G  
 ClientSampleId :  
 JC-02-030118-F

Tot Ion:330 Resp: 278817  
 Ion Ratio Lower Upper  
 330 100  
 332 97.2 77.0 115.6  
 141 45.7 25.2 37.8#

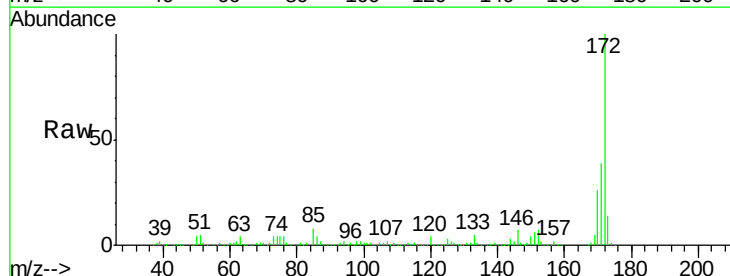


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

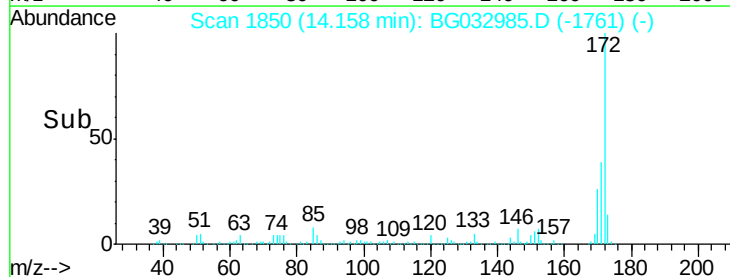
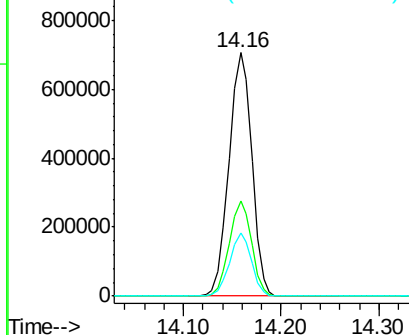


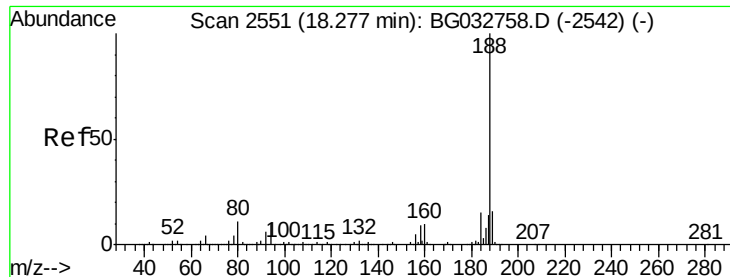
#44  
 2-Fluorobiphenyl  
 Concen: 97.628 ng  
 RT: 14.16 min Scan# 1850  
 Delta R.T. -0.01 min  
 Lab File: BG032985.D  
 Acq: 5 Mar 2018 12:11

Tgt Ion:172 Resp: 1145230  
 Ion Ratio Lower Upper  
 172 100  
 171 39.3 30.0 45.0  
 170 25.9 19.5 29.3



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: 20.000 ng

RT: 18.25 min Scan# 2547

Delta R.T. -0.01 min

Lab File: BG032985.D

Acq: 5 Mar 2018 12:11

Instrument :

BNA\_G

ClientSampleId :

JC-02-030118-F

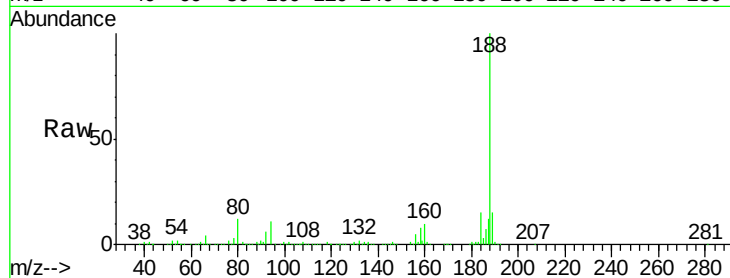
Tot Ion:188 Resp: 376680

Ion Ratio Lower Upper

188 100

94 10.7 6.9 10.3#

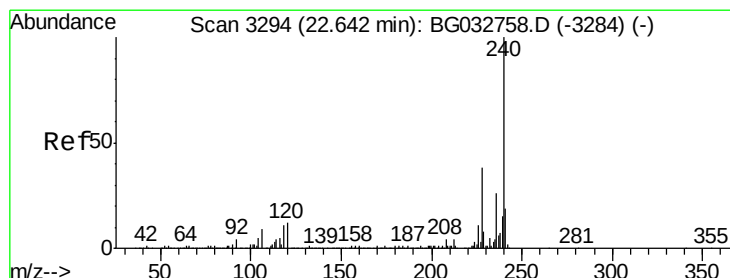
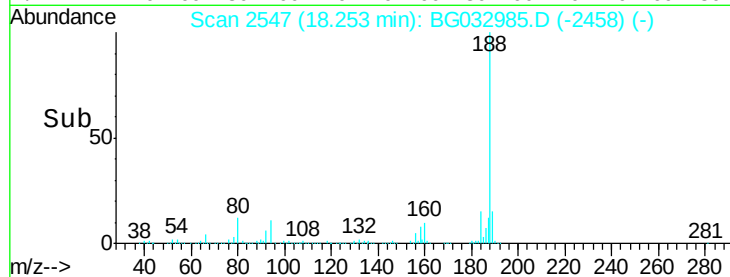
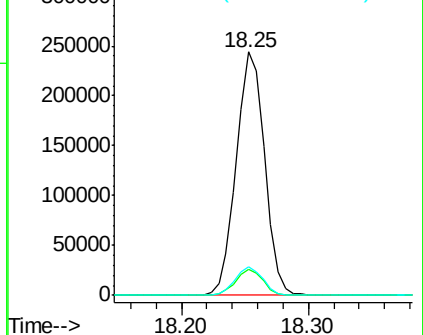
80 11.9 7.7 11.5#



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: 20.000 ng

RT: 22.61 min Scan# 3288

Delta R.T. -0.01 min

Lab File: BG032985.D

Acq: 5 Mar 2018 12:11

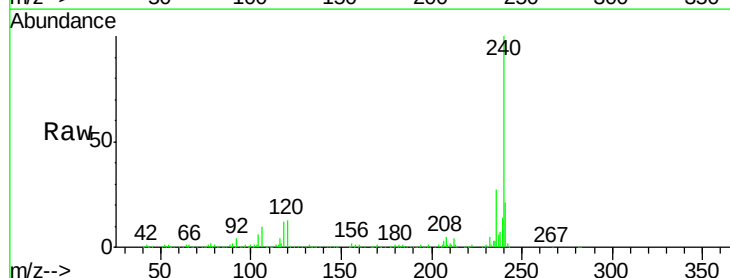
Tgt Ion:240 Resp: 349501

Ion Ratio Lower Upper

240 100

120 12.9 6.8 10.2#

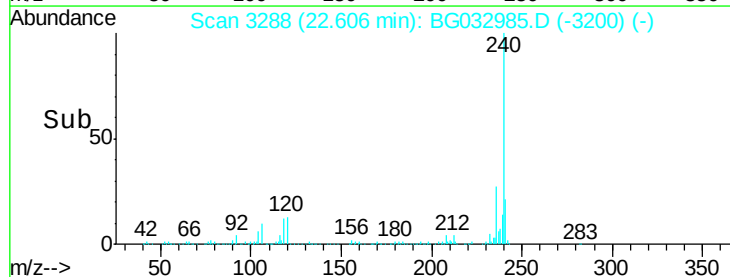
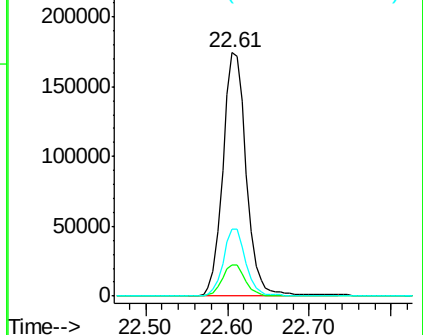
236 27.5 20.9 31.3

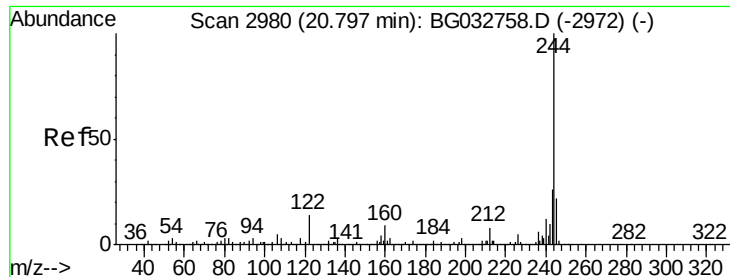


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 103.063 ng

RT: 20.77 min Scan# 2976

Delta R.T. -0.00 min

Lab File: BG032985.D

Acq: 5 Mar 2018 12:11

Instrument :

BNA\_G

ClientSampleId :

JC-02-030118-F

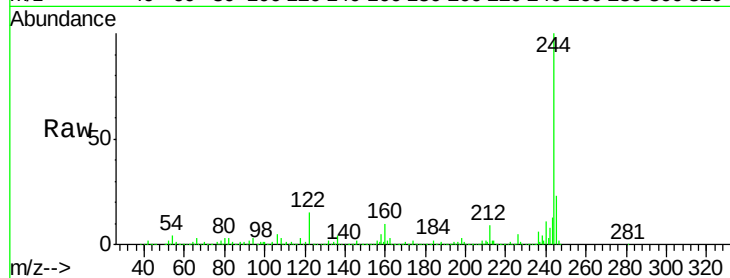
Tot Ion:244 Resp: 1603248

Ion Ratio Lower Upper

244 100

212 8.9 5.8 8.8#

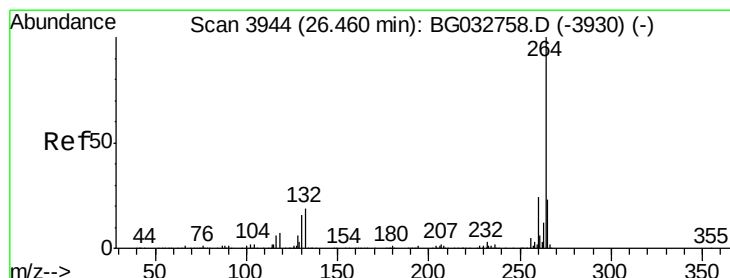
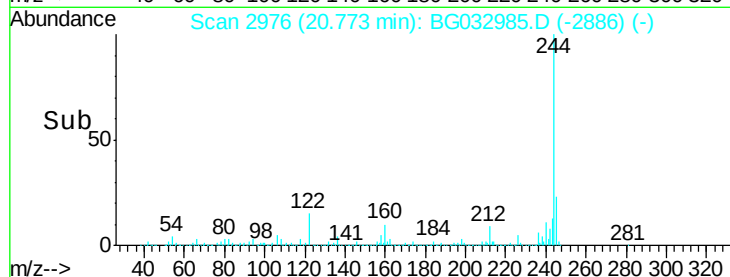
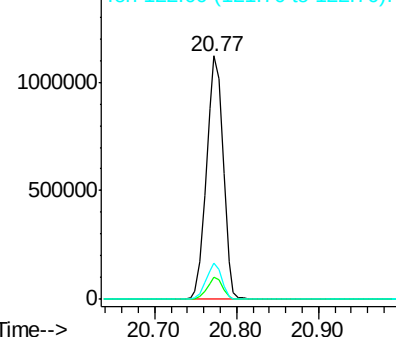
122 14.7 7.0 10.4#



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: 20.000 ng

RT: 26.42 min Scan# 3937

Delta R.T. -0.01 min

Lab File: BG032985.D

Acq: 5 Mar 2018 12:11

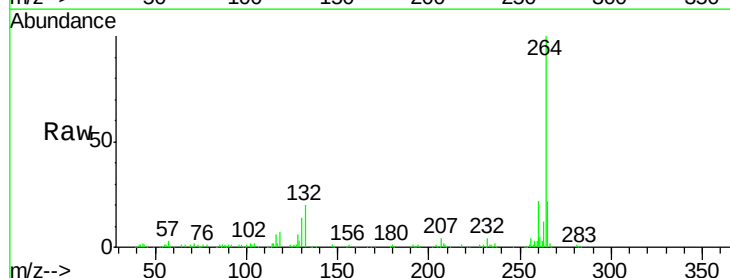
Tgt Ion:264 Resp: 341007

Ion Ratio Lower Upper

264 100

260 22.5 17.4 26.0

265 22.1 17.7 26.5



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

