

Data File : BG030989.D  
Acq On : 14 Nov 2017 1:36  
Operator : SJ/JU  
Sample : I6301-12  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
JC-02-110917-F

Quant Time: Nov 14 04:59:12 2017  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG111017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Nov 10 15:38:25 2017  
Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.14  | 152  | 48028    | 20.00  | ng    | -0.01     |
| 21) Naphthalene-d8          | 10.96 | 136  | 194515   | 20.00  | ng    | -0.01     |
| 38) Acenaphthene-d10        | 14.76 | 164  | 129684   | 20.00  | ng    | -0.01     |
| 63) Phenanthrene-d10        | 17.50 | 188  | 347201   | 20.00  | ng    | -0.01     |
| 75) Chrysene-d12            | 21.78 | 240  | 462691   | 20.00  | ng    | 0.00      |
| 86) Perylene-d12            | 25.08 | 264  | 465615   | 20.00  | ng    | -0.01     |
| System Monitoring Compounds |       |      |          |        |       |           |
| 5) 2-Fluorophenol           | 5.70  | 112  | 353714   | 126.29 | ng    | 0.00      |
| 7) Phenol-d6                | 7.31  | 99   | 403603   | 106.96 | ng    | 0.00      |
| 23) Nitrobenzene-d5         | 9.31  | 82   | 308059   | 93.85  | ng    | -0.01     |
| 41) 2,4,6-Tribromophenol    | 16.25 | 330  | 340424   | 162.27 | ng    | 0.00      |
| 44) 2-Fluorobiphenyl        | 13.39 | 172  | 891680   | 98.80  | ng    | -0.01     |
| 78) Terphenyl-d14           | 20.10 | 244  | 1839456  | 87.78  | ng    | 0.00      |
| Target Compounds            |       |      |          |        |       |           |
| 31) Naphthalene             | 11.01 | 128  | 137453   | 14.37  | ng    | Qvalue 99 |
| 33) 4-Chloroaniline         | 11.01 | 127  | 18693    | 4.47   | ng    | # 33      |

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

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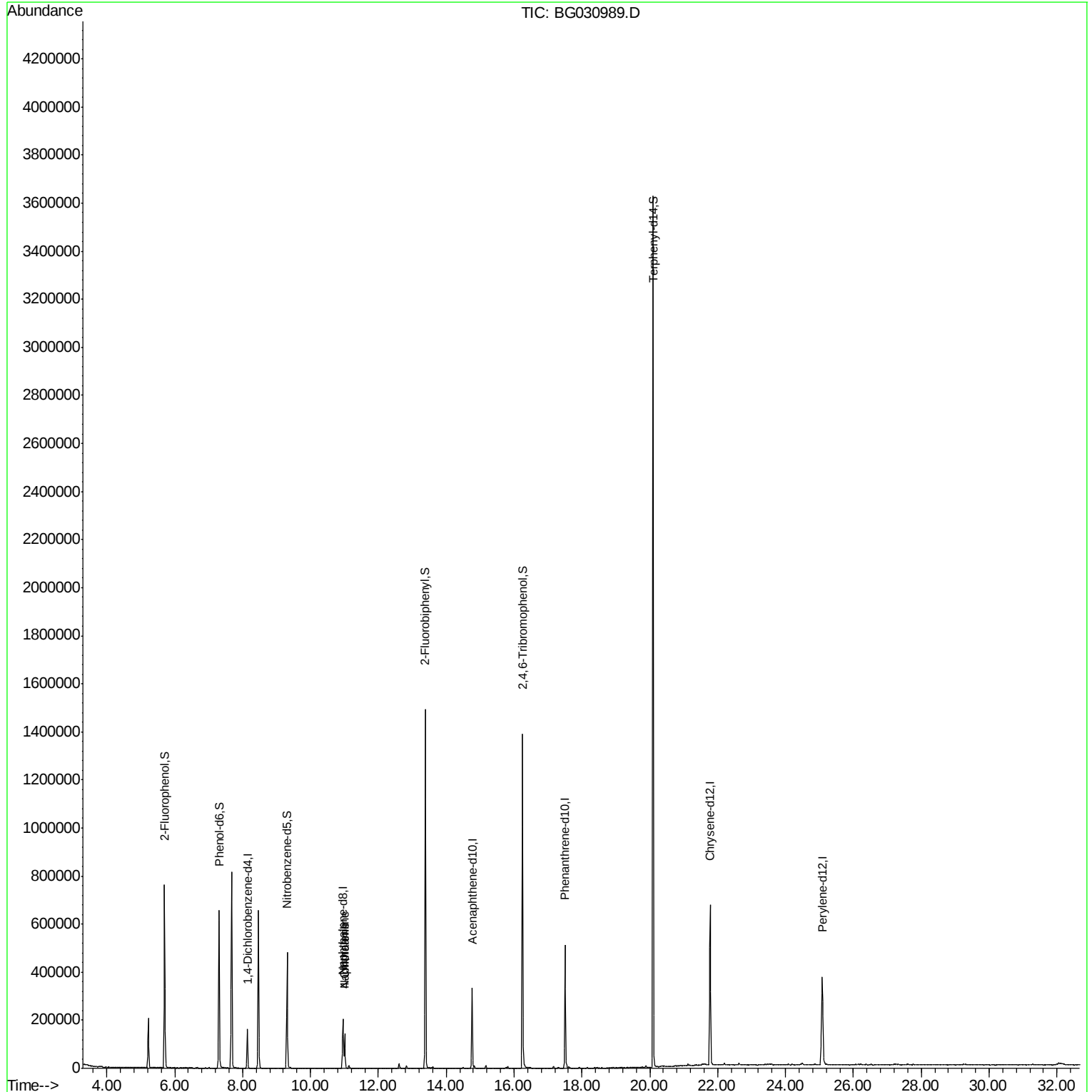
Quant Time: Nov 14 04:59:12 2017

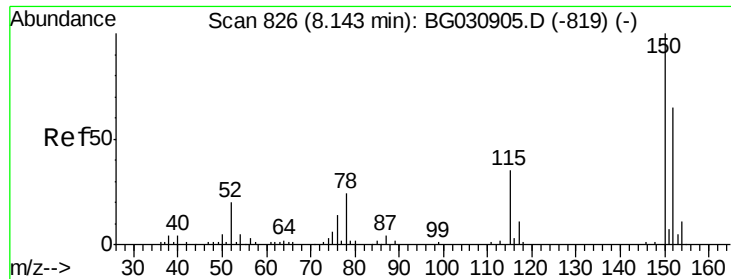
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG111017.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Nov 10 15:38:25 2017

Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.14 min Scan# 826

Delta R.T. -0.01 min

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Instrument :

BNA\_G

ClientSampleId :

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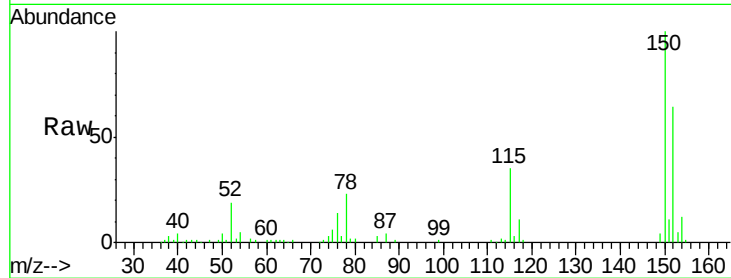
Tgt Ion:152 Resp: 48028

Ion Ratio Lower Upper

152 100

150 155.8 126.6 189.8

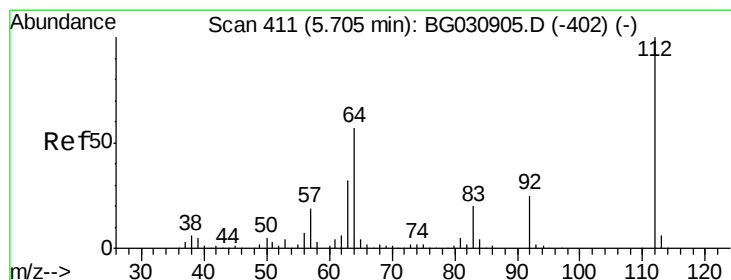
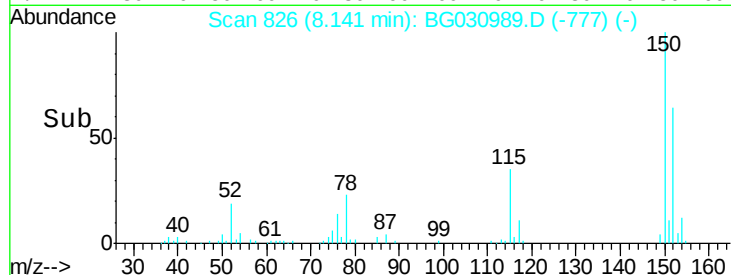
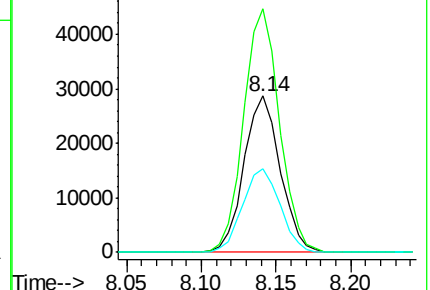
115 53.9 53.0 79.4



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: 126.29 ng

RT: 5.70 min Scan# 411

Delta R.T. -0.00 min

Lab File: BG030989.D

Acq: 14 Nov 2017 1:36

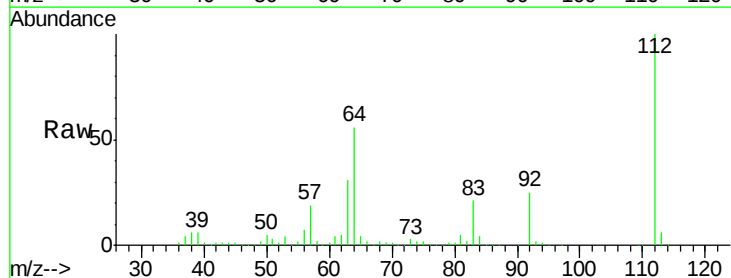
Tgt Ion:112 Resp: 353714

Ion Ratio Lower Upper

112 100

64 56.3 56.3 84.5

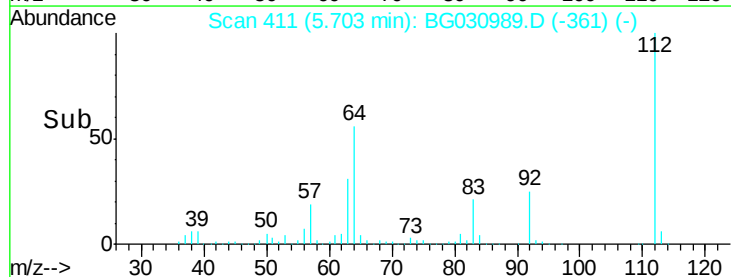
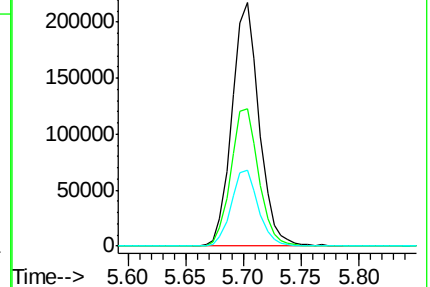
63 31.3 30.1 45.1

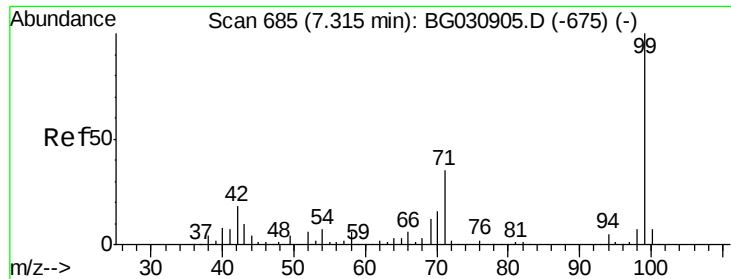


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 106.96 ng

RT: 7.31 min Scan# 684

Delta R.T. 0.00 min

Lab File: BG030989.D

Acq: 14 Nov 2017 1:36

Instrument :

BNA\_G

ClientSampleId :

JC-02-110917-F

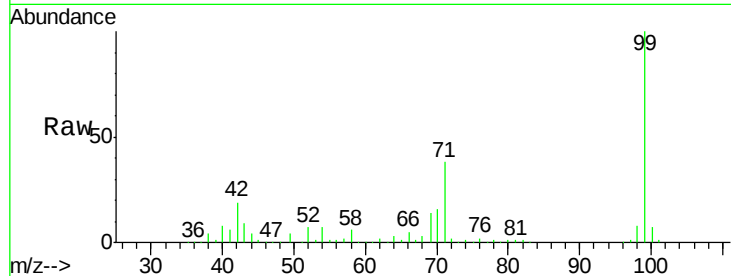
Tgt Ion: 99 Resp: 403603

Ion Ratio Lower Upper

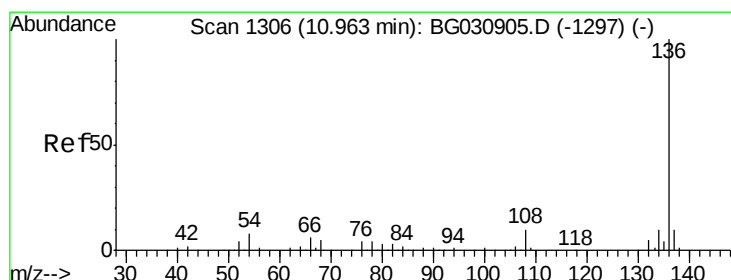
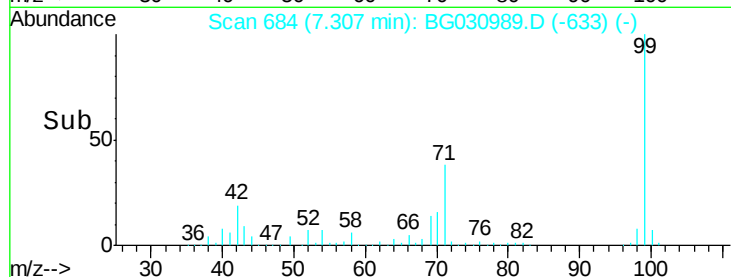
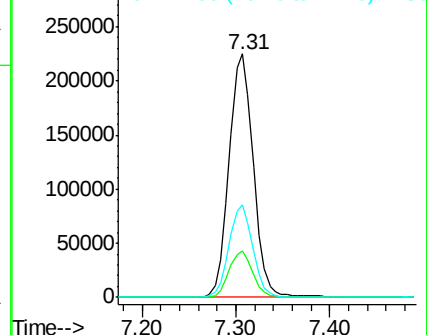
99 100

42 19.3 14.1 21.1

71 38.2 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: 20.00 ng

RT: 10.96 min Scan# 1305

Delta R.T. -0.01 min

Lab File: BG030989.D

Acq: 14 Nov 2017 1:36

Tgt Ion: 136 Resp: 194515

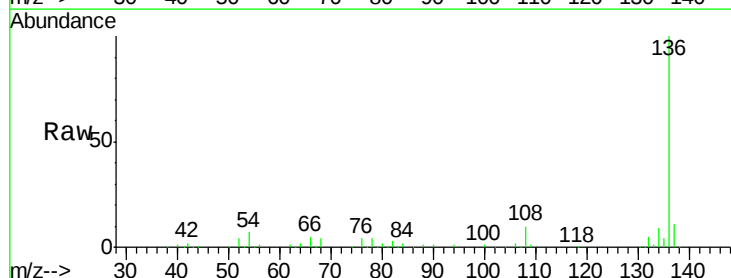
Ion Ratio Lower Upper

136 100

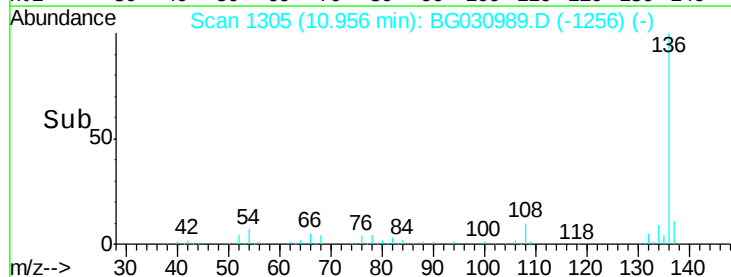
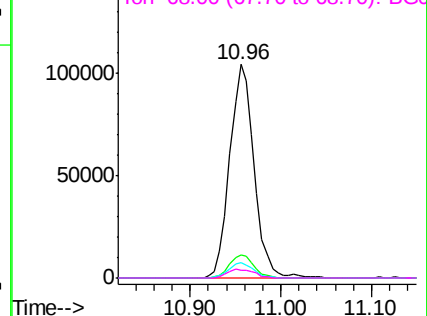
137 11.0 9.2 13.8

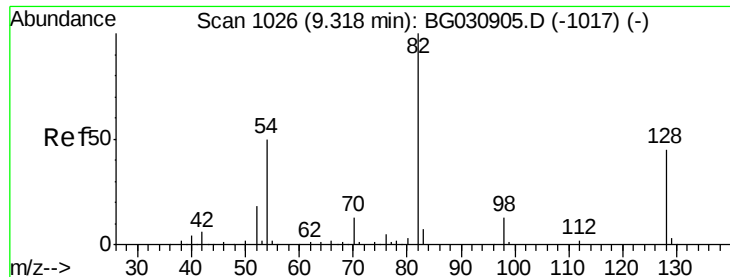
54 7.1 10.3 15.5#

68 3.8 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

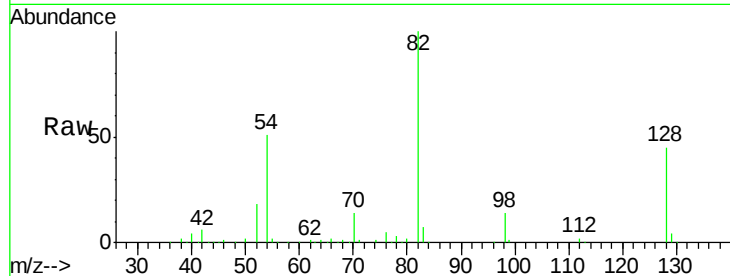




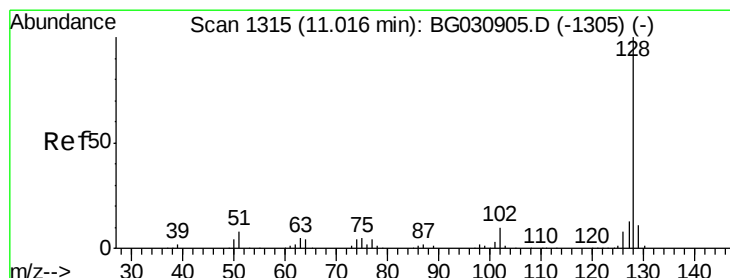
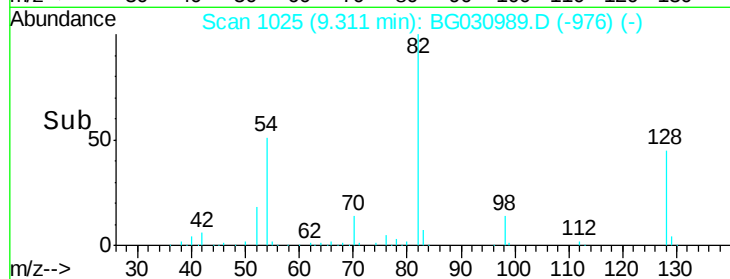
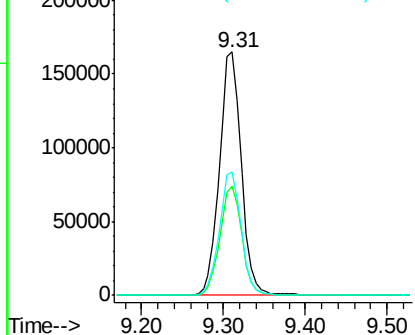
#23  
 Nitrobenzene-d5  
 Concen: 93.85 ng  
 RT: 9.31 min Scan# 1025  
 Delta R.T. -0.01 min  
 Lab File: BG030989.D  
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 BNA\_G  
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 JC-02-110917-F

Tgt Ion: 82 Resp: 308059  
 Ion Ratio Lower Upper  
 82 100  
 128 44.9 29.7 44.5#  
 54 50.8 43.1 64.7

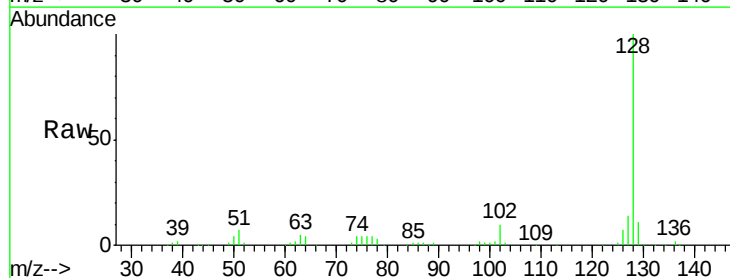


Abundance Ion 82.00 (81.70 to 82.70): BGC  
 Ion 128.00 (127.70 to 128.70): BGC  
 Ion 54.00 (53.70 to 54.70): BGC

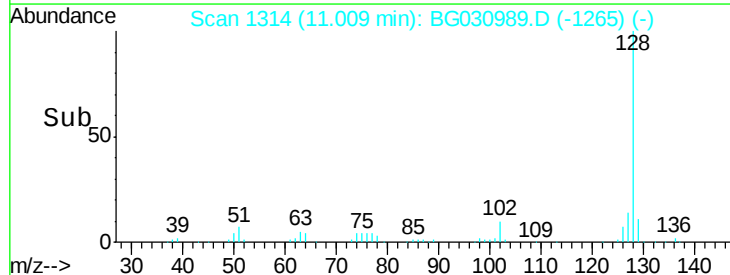
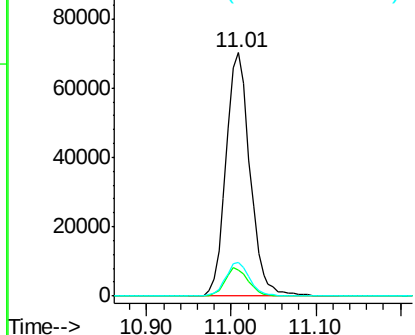


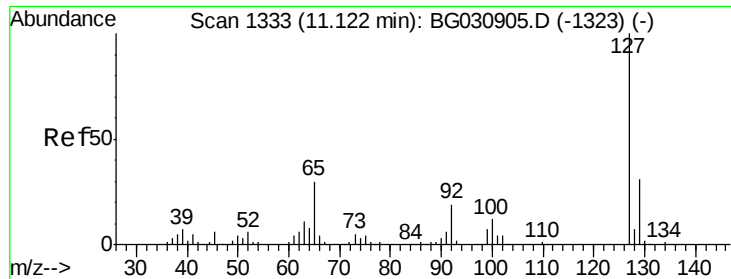
#31  
 Naphthalene  
 Concen: 14.37 ng  
 RT: 11.01 min Scan# 1314  
 Delta R.T. -0.01 min  
 Lab File: BG030989.D  
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Tgt Ion: 128 Resp: 137453  
 Ion Ratio Lower Upper  
 128 100  
 129 10.8 8.6 12.8  
 127 13.7 11.6 17.4



Abundance Ion 128.00 (127.70 to 128.70): BGC  
 Ion 129.00 (128.70 to 129.70): BGC  
 Ion 127.00 (126.70 to 127.70): BGC

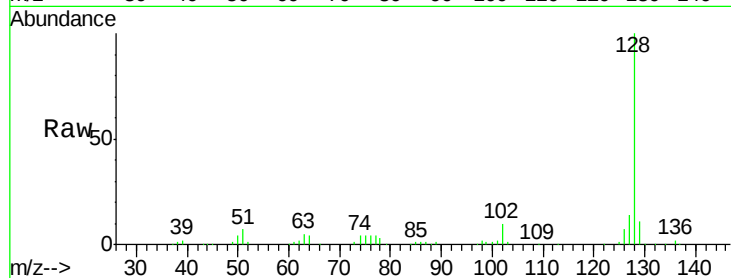




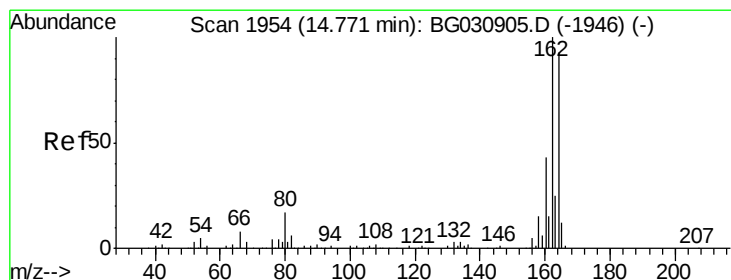
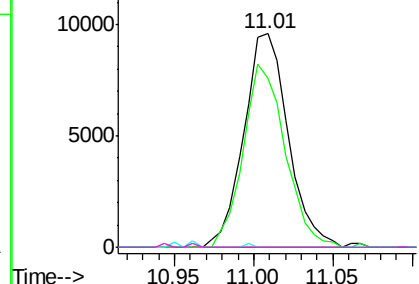
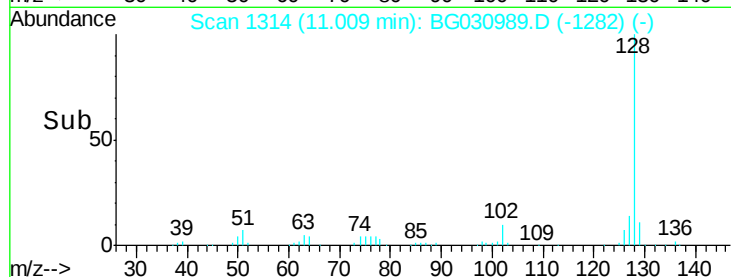
#33  
4-Chloroaniline  
Concen: 4.47 ng  
RT: 11.01 min Scan# 1314  
Delta R.T. -0.11 min  
Lab File: BG030989.D  
Acq: 14 Nov 2017 1:36

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| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 127     | 100   |       |       |
| 129     | 78.9  | 24.0  | 36.0# |
| 65      | 0.0   | 27.0  | 40.4# |
| 92      | 0.0   | 16.6  | 25.0# |

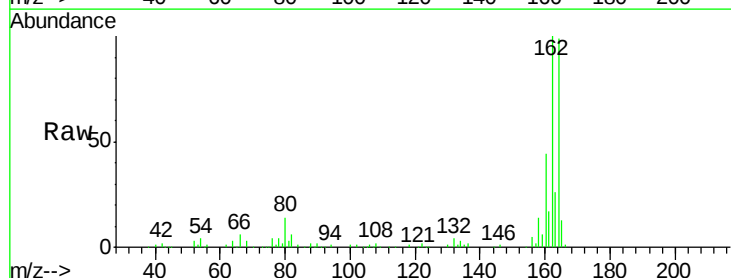


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BG  
Ion 92.00 (91.70 to 92.70): BG

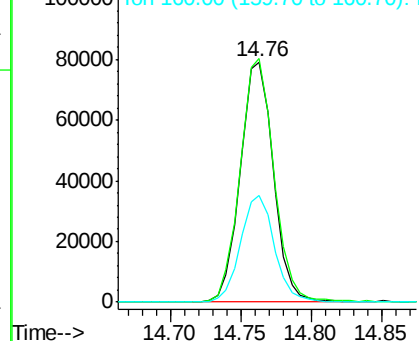
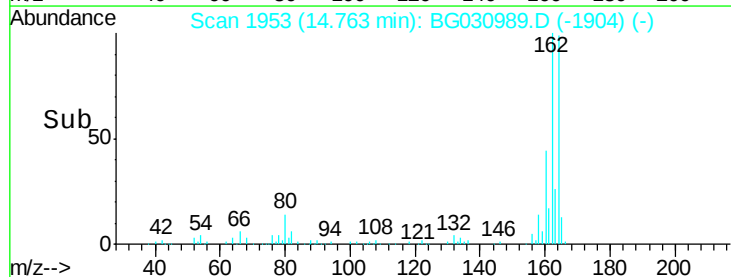


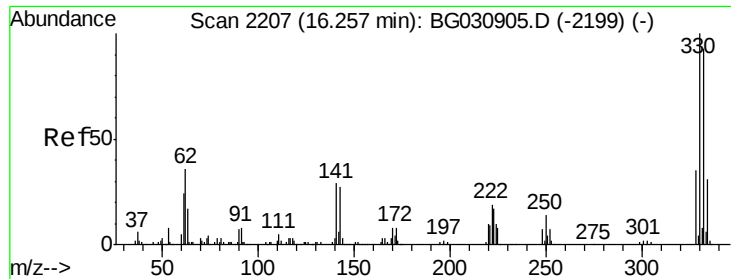
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.76 min Scan# 1953  
Delta R.T. -0.01 min  
Lab File: BG030989.D  
Acq: 14 Nov 2017 1:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 101.5 | 78.8  | 118.2 |
| 160     | 44.4  | 35.4  | 53.0  |



Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

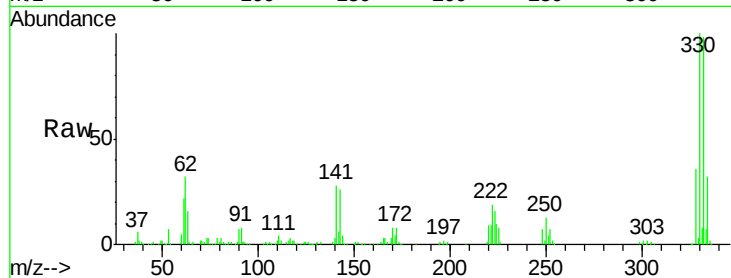




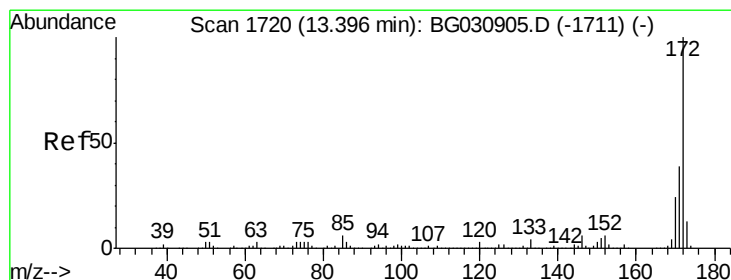
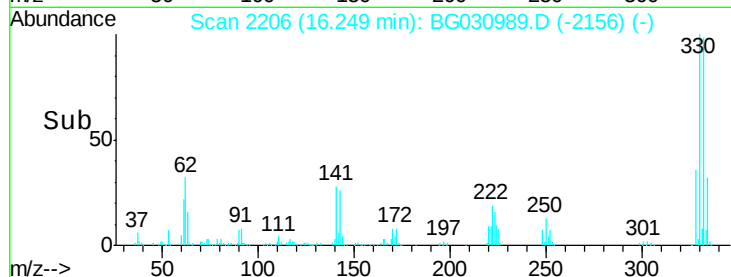
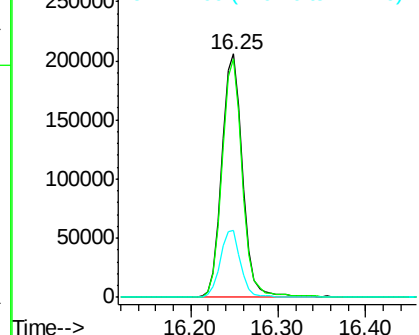
#41  
 2,4,6-Tribromophenol  
 Concen: 162.27 ng  
 RT: 16.25 min Scan# 2206  
 Delta R.T. -0.01 min  
 Lab File: BG030989.D  
 Acq: 14 Nov 2017 1:36

Instrument :  
 BNA\_G  
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Tgt Ion:330 Resp: 340424  
 Ion Ratio Lower Upper  
 330 100  
 332 96.5 77.0 115.6  
 141 27.2 25.2 37.8

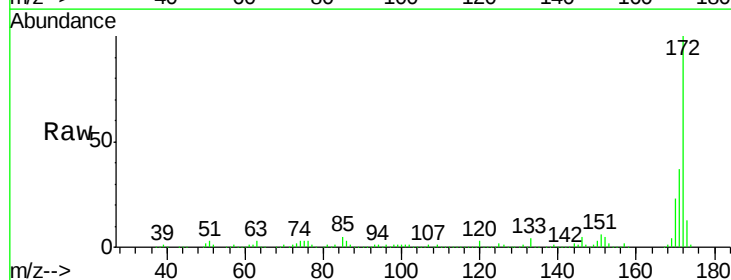


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

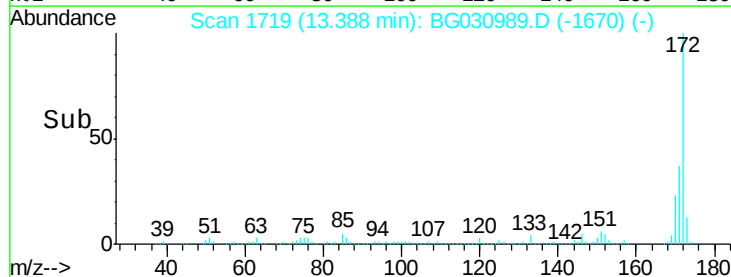
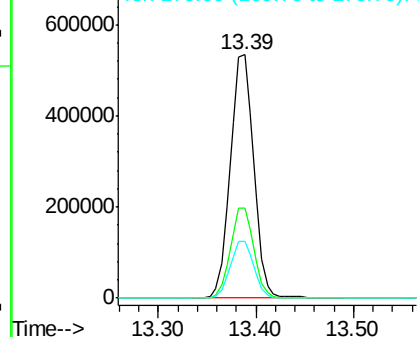


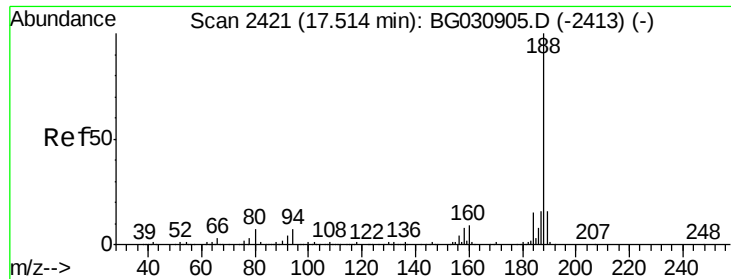
#44  
 2-Fluorobiphenyl  
 Concen: 98.80 ng  
 RT: 13.39 min Scan# 1719  
 Delta R.T. -0.01 min  
 Lab File: BG030989.D  
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Tgt Ion:172 Resp: 891680  
 Ion Ratio Lower Upper  
 172 100  
 171 36.9 30.0 45.0  
 170 23.3 19.5 29.3



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

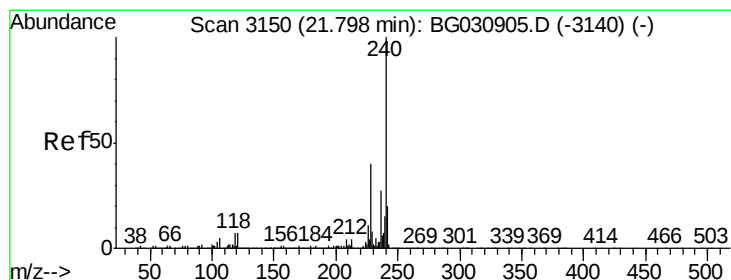
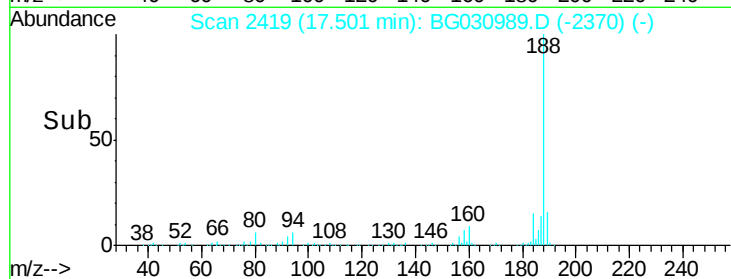
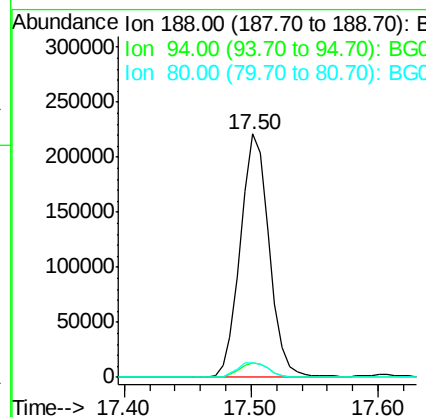
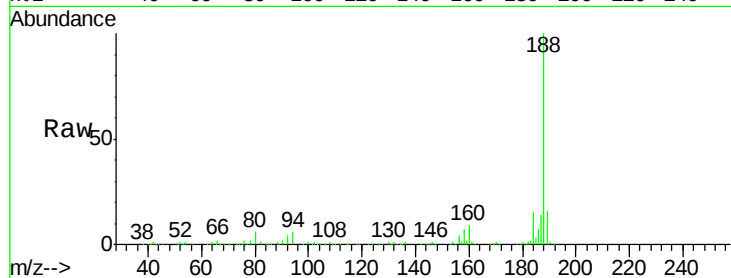




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.50 min Scan# 2419  
Delta R.T. -0.01 min  
Lab File: BG030989.D  
Acq: 14 Nov 2017 1:36

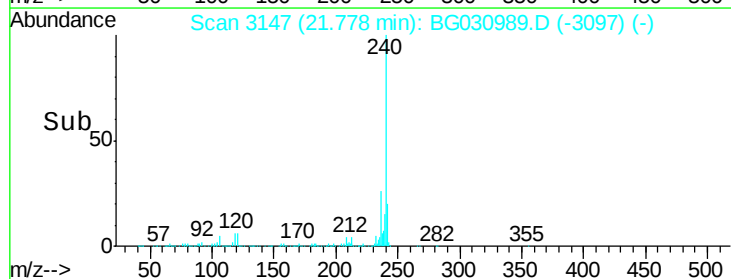
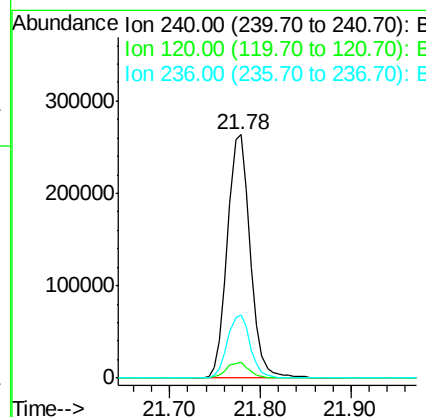
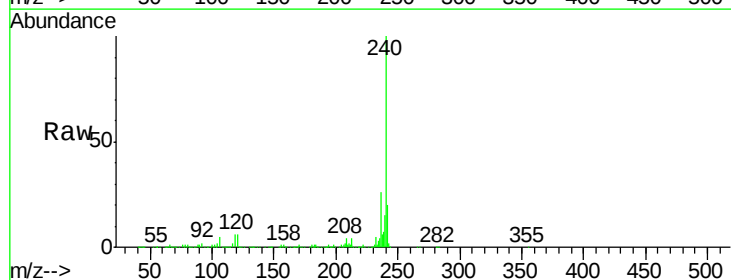
Instrument :  
BNA\_G  
ClientSampleId :  
JC-02-110917-F

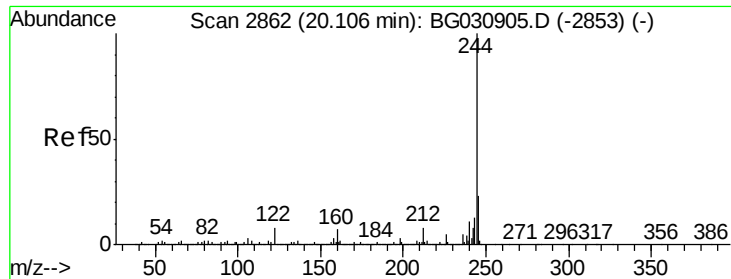
Tgt Ion:188 Resp: 347201  
Ion Ratio Lower Upper  
188 100  
94 6.0 6.9 10.3#  
80 6.2 7.7 11.5#



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.78 min Scan# 3147  
Delta R.T. -0.01 min  
Lab File: BG030989.D  
Acq: 14 Nov 2017 1:36

Tgt Ion:240 Resp: 462691  
Ion Ratio Lower Upper  
240 100  
120 6.4 6.8 10.2#  
236 26.2 20.9 31.3

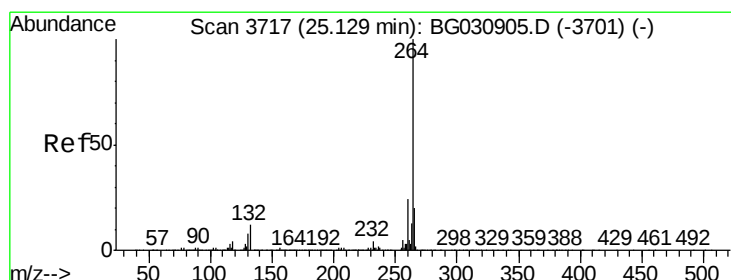
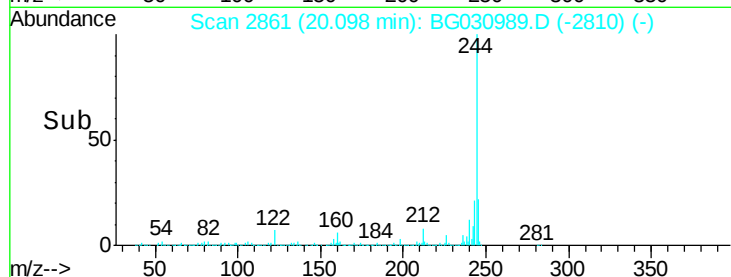
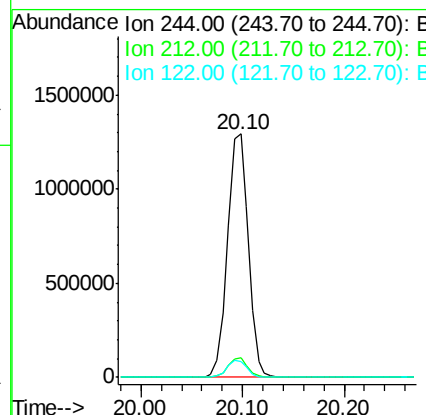
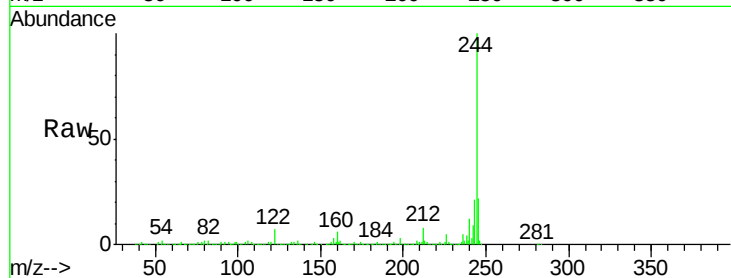




#78  
 Terphenyl-d14  
 Concen: 87.78 ng  
 RT: 20.10 min Scan# 2861  
 Delta R.T. 0.00 min  
 Lab File: BG030989.D  
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Instrument :  
 BNA\_G  
 ClientSampleId :  
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Tgt Ion:244 Resp: 1839456  
 Ion Ratio Lower Upper  
 244 100  
 212 7.8 5.8 8.8  
 122 6.6 7.0 10.4#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 25.08 min Scan# 3709  
 Delta R.T. -0.01 min  
 Lab File: BG030989.D  
 Acq: 14 Nov 2017 1:36

Tgt Ion:264 Resp: 465615  
 Ion Ratio Lower Upper  
 264 100  
 260 23.3 17.4 26.0  
 265 21.6 17.7 26.5

