

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021418\  
 Data File : BG032706.D  
 Acq On : 15 Feb 2018 8:23  
 Operator : SJ/JU  
 Sample : J1541-08  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SAMPLE-B-1-3

Quant Time: Feb 15 11:11:57 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG021218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Feb 12 18:08:01 2018  
 Response via : Initial Calibration

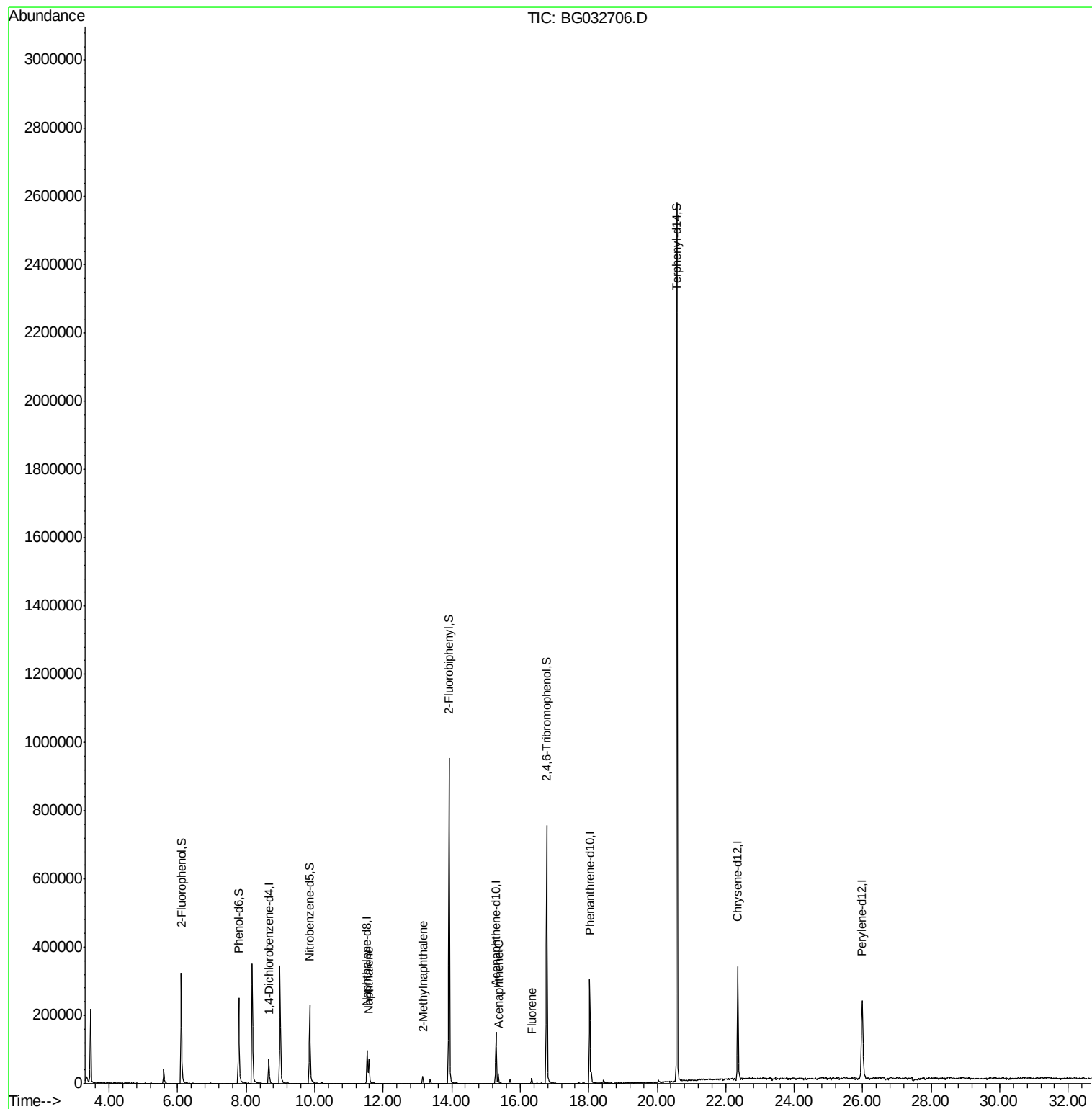
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.66  | 152  | 28611    | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 11.53 | 136  | 106547   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10        | 15.29 | 164  | 60261    | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10        | 18.03 | 188  | 233116   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12            | 22.35 | 240  | 275056   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 25.98 | 264  | 326281   | 20.00  | ng    | -0.04    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 6.10  | 112  | 171875   | 120.53 | ng    | 0.00     |
| 7) Phenol-d6                | 7.78  | 99   | 173062   | 88.75  | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 9.86  | 82   | 151627   | 90.45  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 16.77 | 330  | 197406   | 212.75 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 13.92 | 172  | 601558   | 124.83 | ng    | -0.01    |
| 78) Terphenyl-d14           | 20.58 | 244  | 1352238  | 112.05 | ng    | -0.01    |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 31) Naphthalene             | 11.59 | 128  | 73865    | 14.277 | ng    | 99       |
| 37) 2-Methylnaphthalene     | 13.15 | 142  | 13074    | 3.115  | ng    | 89       |
| 51) Acenaphthene            | 15.35 | 154  | 13591    | 3.448  | ng    | 82       |
| 57) Fluorene                | 16.33 | 166  | 10084    | 2.091  | ng    | # 97     |

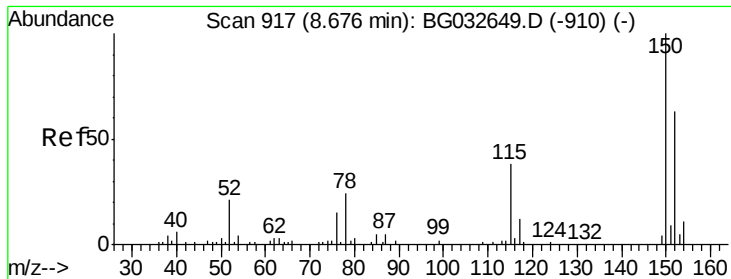
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG021218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Feb 12 18:08:01 2018  
Response via : Initial Calibration



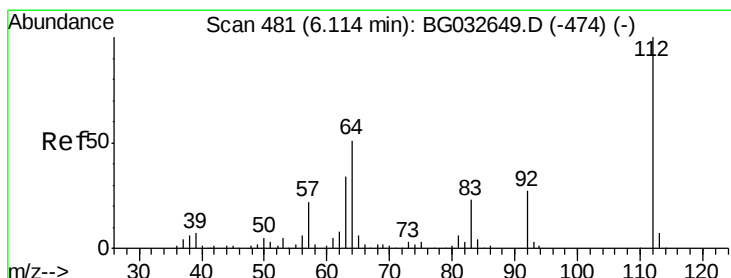
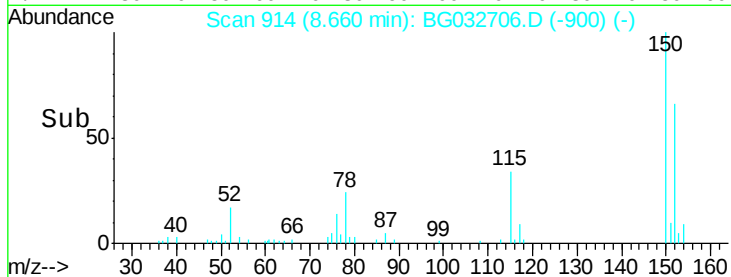
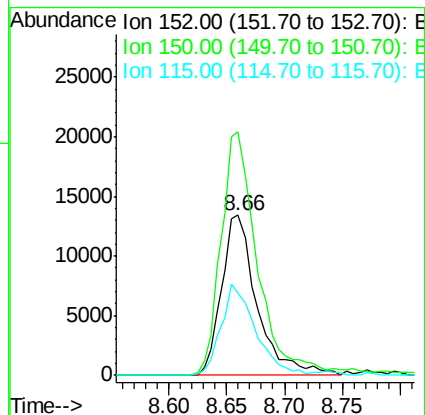
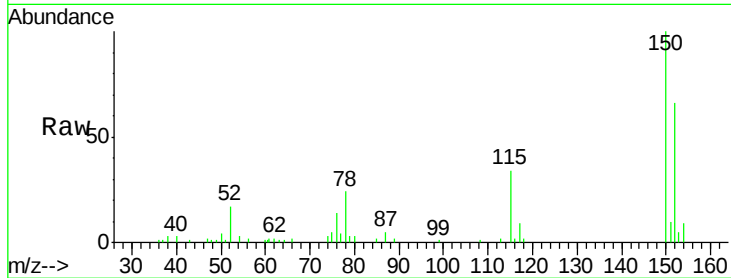


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.66 min Scan# 914  
Delta R.T. -0.02 min  
Lab File: BG032706.D  
Acq: 15 Feb 2018 8:23

Instrument :  
BNA\_G  
ClientSampleId :  
SAMPLE-B-1-3

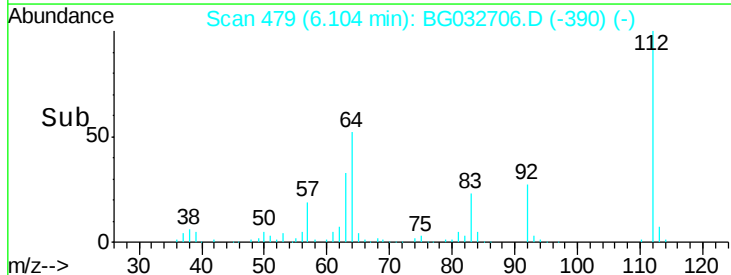
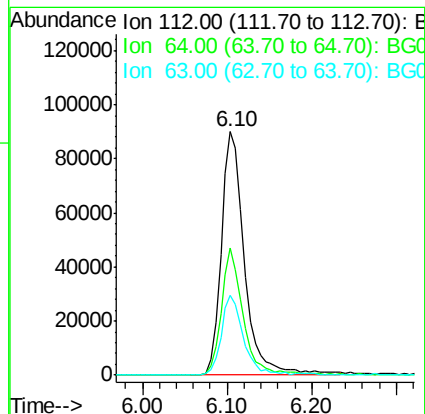
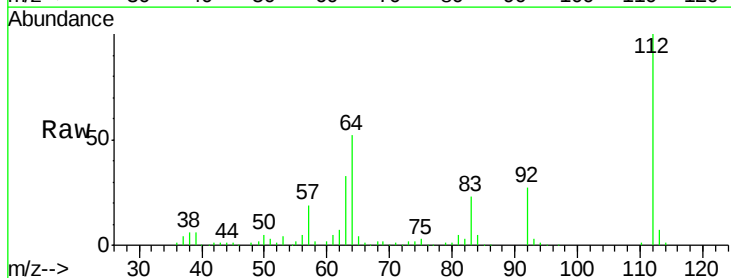
Tot Ion:152 Resp: 28611  
Ion Ratio Lower Upper  
152 100  
150 152.0 126.6 189.8  
115 51.4 53.0 79.4#

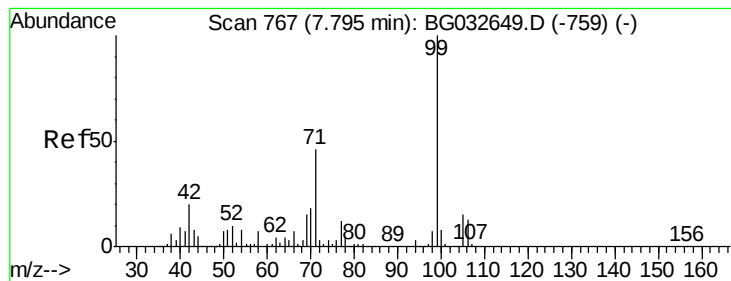


#5

2-Fluorophenol  
Concen: 120.528 ng  
RT: 6.10 min Scan# 479  
Delta R.T. -0.01 min  
Lab File: BG032706.D  
Acq: 15 Feb 2018 8:23

Tgt Ion:112 Resp: 171875  
Ion Ratio Lower Upper  
112 100  
64 52.5 56.3 84.5#  
63 32.8 30.1 45.1





#7

Phenol-d6

Concen: 88.753 ng

RT: 7.78 min Scan# 764

Delta R.T. -0.02 min

Lab File: BG032706.D

Acq: 15 Feb 2018 8:23

Instrument :

BNA\_G

ClientSampleId :

SAMPLE-B-1-3

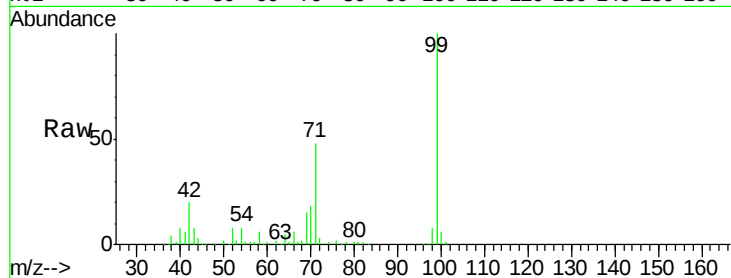
Tot Ion: 99 Resp: 173062

Ion Ratio Lower Upper

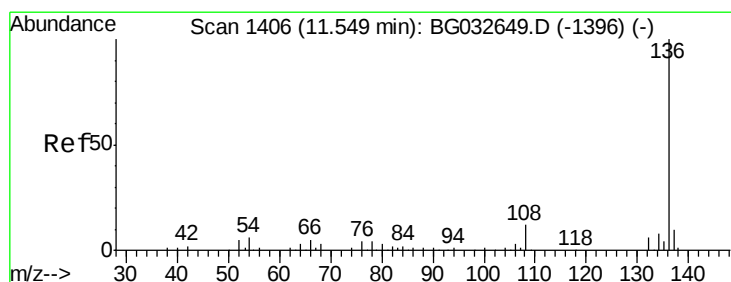
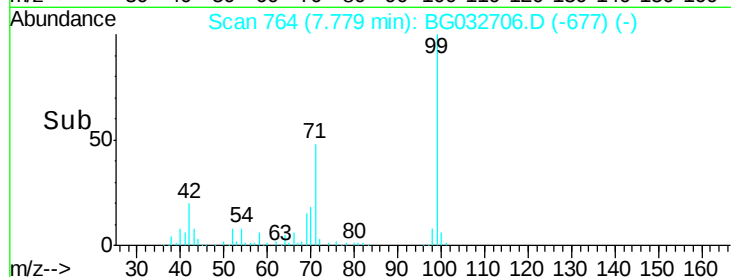
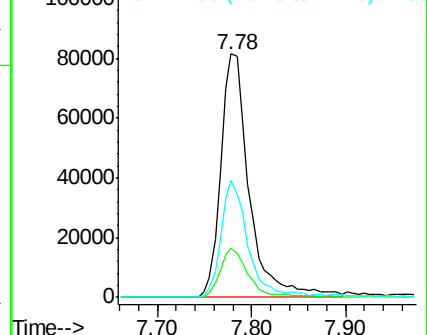
99 100

42 19.9 14.1 21.1

71 47.9 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: 11.53 min Scan# 1403

Delta R.T. -0.02 min

Lab File: BG032706.D

Acq: 15 Feb 2018 8:23

Tgt Ion: 136 Resp: 106547

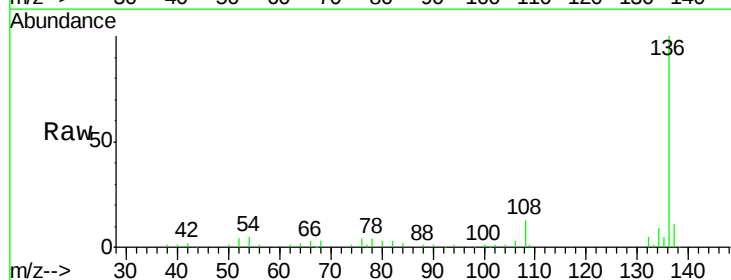
Ion Ratio Lower Upper

136 100

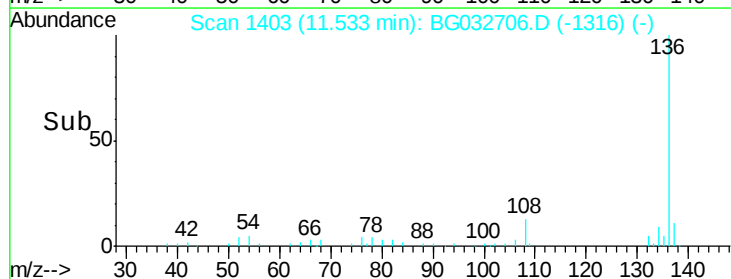
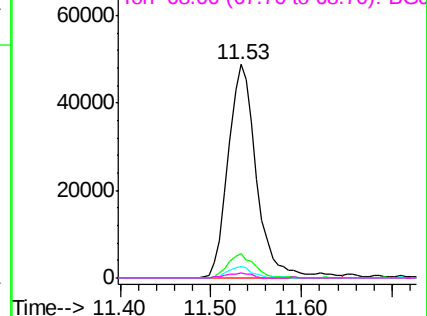
137 11.3 9.2 13.8

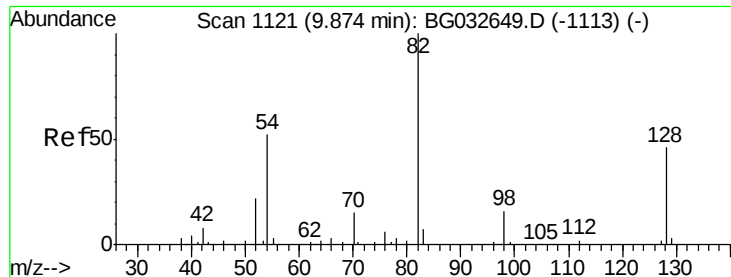
54 5.4 10.3 15.5#

68 2.6 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

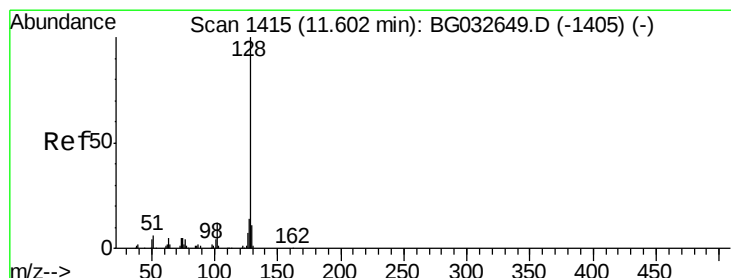
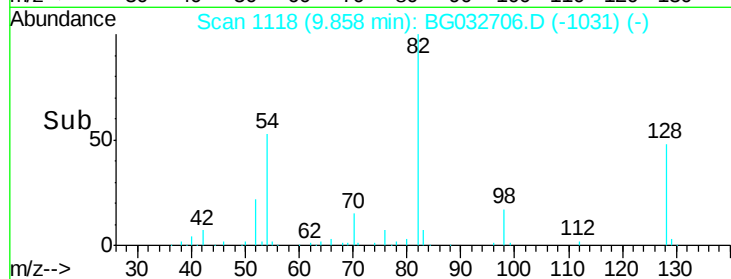
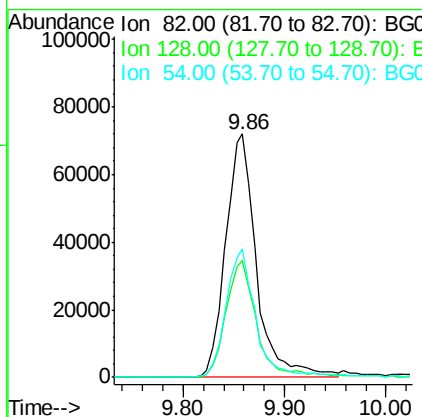
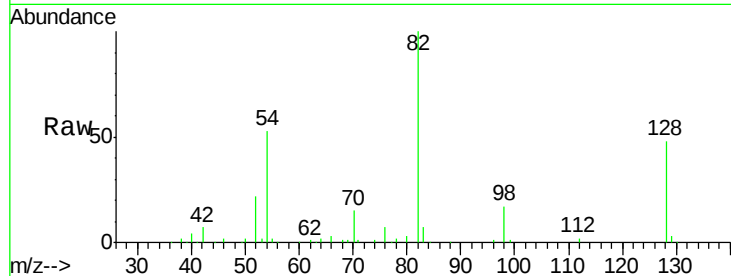




#23  
 Nitrobenzene-d5  
 Concen: 90.445 ng  
 RT: 9.86 min Scan# 1118  
 Delta R.T. -0.02 min  
 Lab File: BG032706.D  
 Acq: 15 Feb 2018 8:23

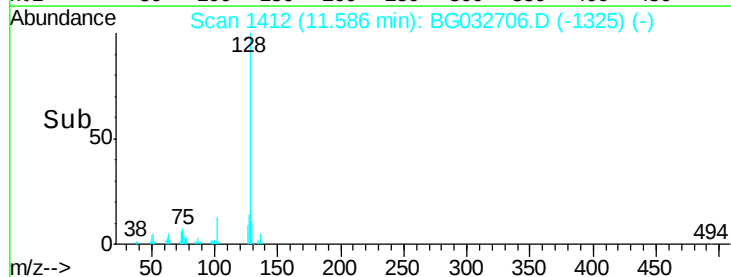
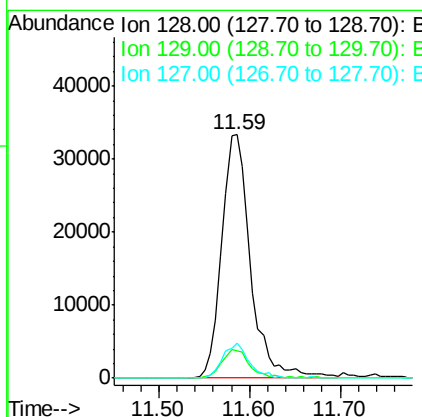
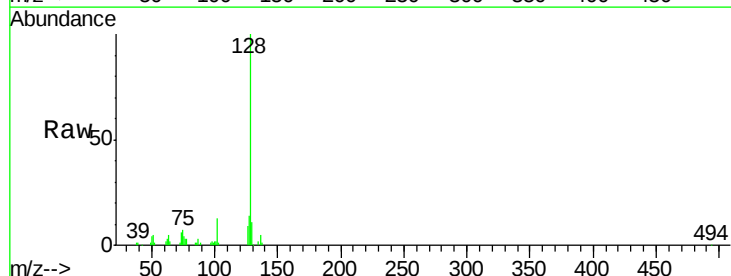
Instrument :  
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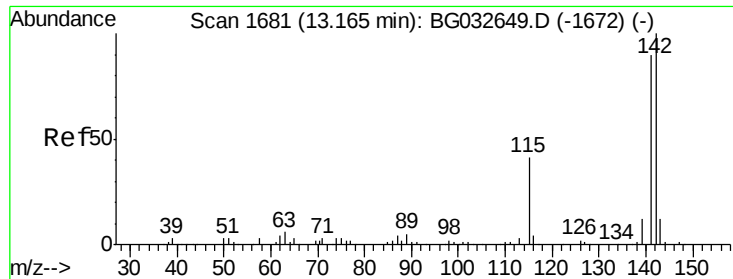
| Tot Ion   | 82    | Resp  | 151627 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 48.2  | 29.7  | 44.5#  |
| 54        | 52.7  | 43.1  | 64.7   |



#31  
 Naphthalene  
 Concen: 14.277 ng  
 RT: 11.59 min Scan# 1412  
 Delta R.T. -0.02 min  
 Lab File: BG032706.D  
 Acq: 15 Feb 2018 8:23

| Tgt Ion   | 128   | Resp  | 73865 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 11.0  | 8.6   | 12.8  |
| 127       | 14.1  | 11.6  | 17.4  |

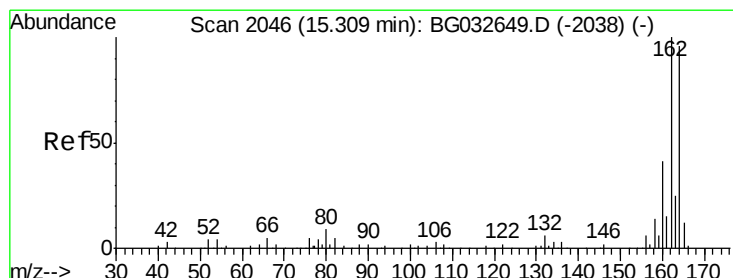
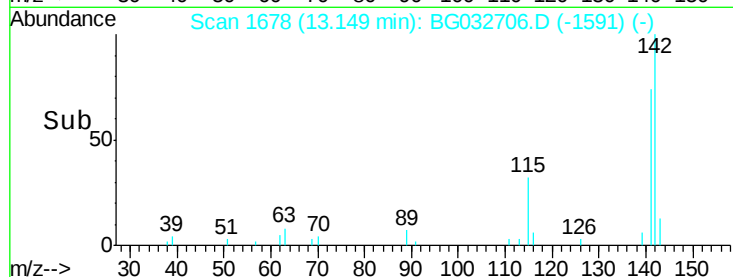
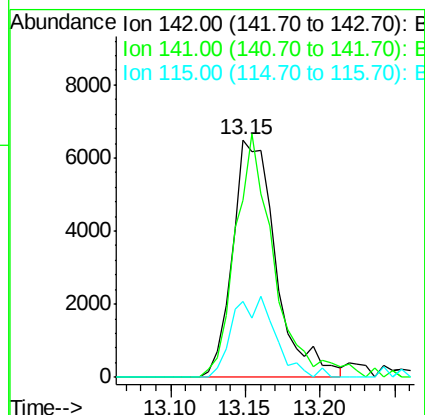
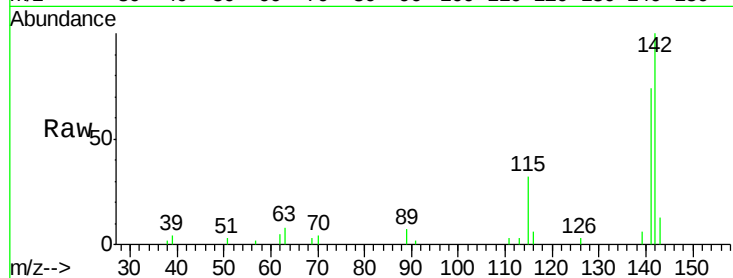




#37  
 2-Methylnaphthalene  
 Concen: 3.115 ng  
 RT: 13.15 min Scan# 1678  
 Delta R.T. -0.02 min  
 Lab File: BG032706.D  
 Acq: 15 Feb 2018 8:23

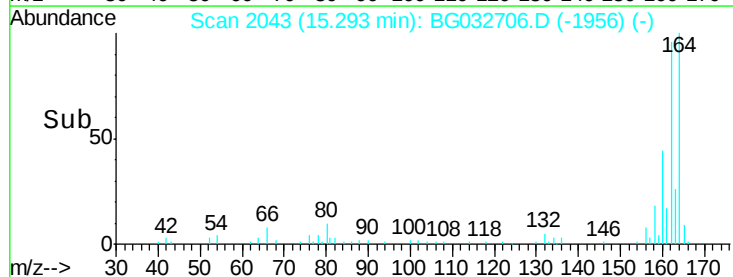
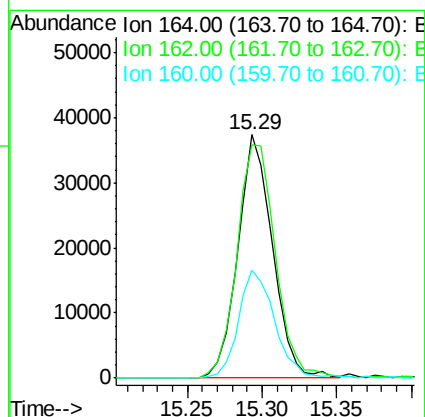
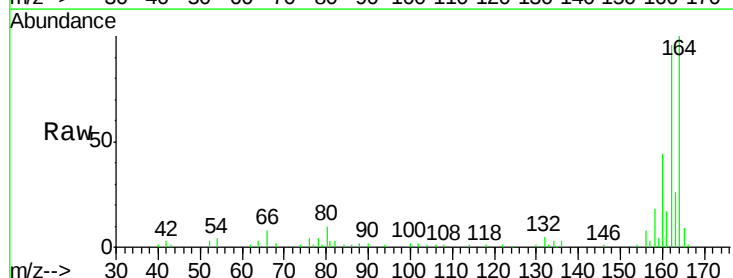
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SAMPLE-B-1-3

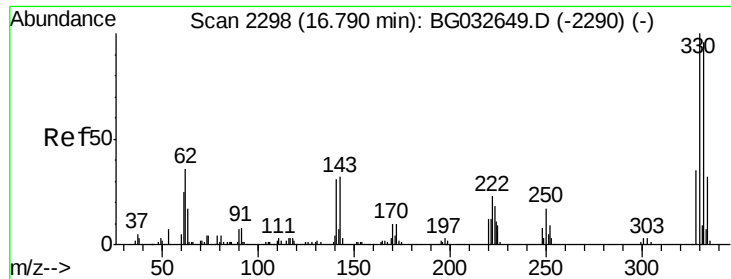
Tot Ion:142 Resp: 13074  
 Ion Ratio Lower Upper  
 142 100  
 141 74.4 67.1 100.7  
 115 31.9 30.7 46.1



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 15.29 min Scan# 2043  
 Delta R.T. -0.02 min  
 Lab File: BG032706.D  
 Acq: 15 Feb 2018 8:23

Tgt Ion:164 Resp: 60261  
 Ion Ratio Lower Upper  
 164 100  
 162 95.6 78.8 118.2  
 160 44.4 35.4 53.0

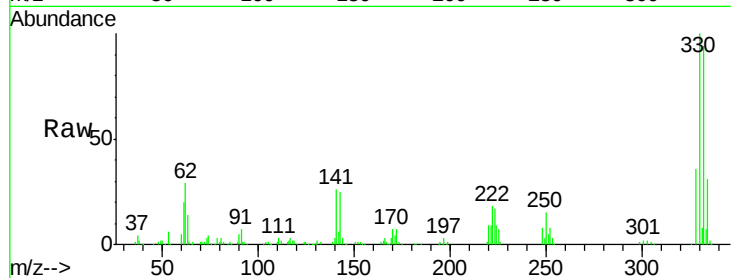




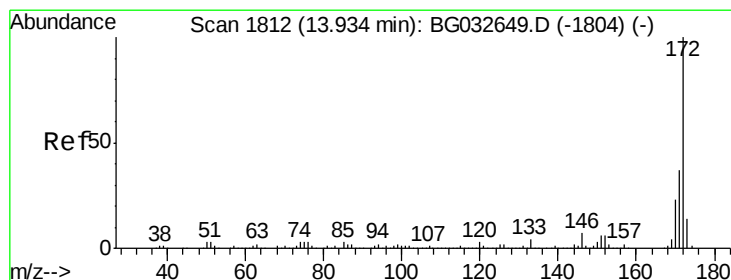
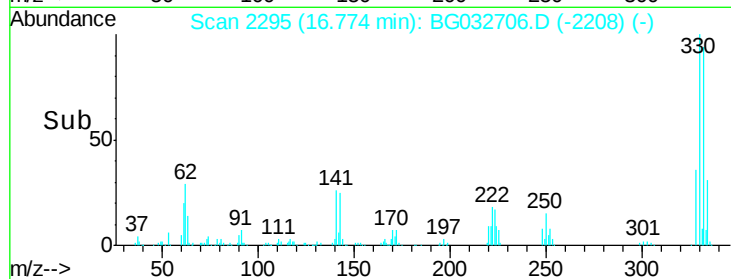
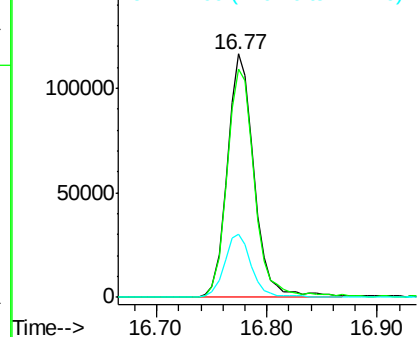
#41  
 2,4,6-Tribromophenol  
 Concen: 212.747 ng  
 RT: 16.77 min Scan# 2295  
 Delta R.T. -0.02 min  
 Lab File: BG032706.D  
 Acq: 15 Feb 2018 8:23

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SAMPLE-B-1-3

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.7  | 77.0  | 115.6 |
| 141     | 25.9  | 25.2  | 37.8  |

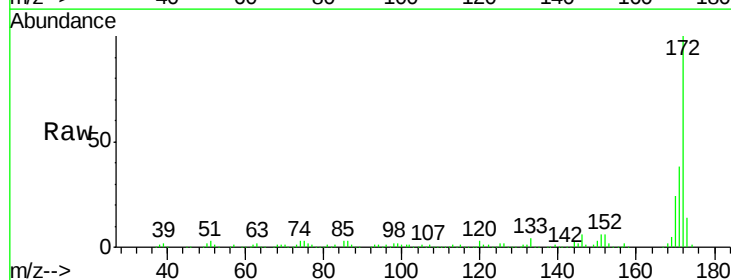


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

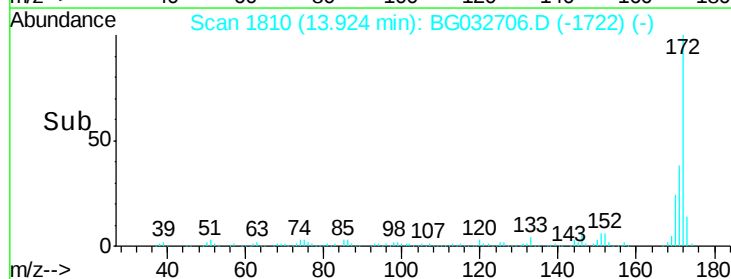
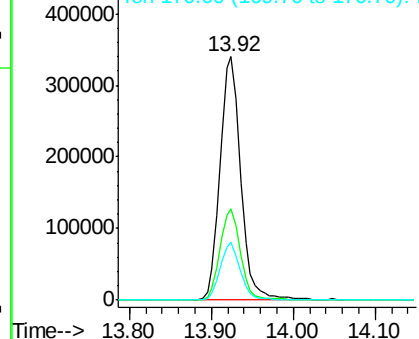


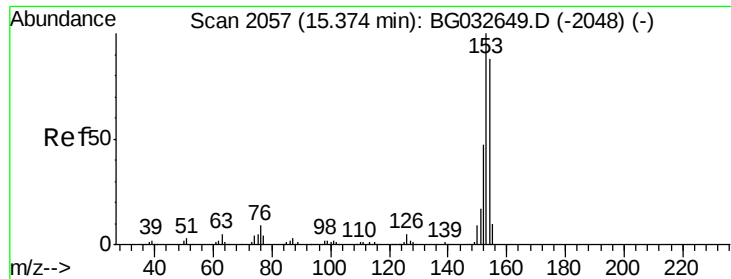
#44  
 2-Fluorobiphenyl  
 Concen: 124.834 ng  
 RT: 13.92 min Scan# 1810  
 Delta R.T. -0.01 min  
 Lab File: BG032706.D  
 Acq: 15 Feb 2018 8:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.7  | 30.0  | 45.0  |
| 170     | 23.9  | 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





#51

Acenaphthene

Concen: 3.448 ng

RT: 15.35 min Scan# 2053

Delta R.T. -0.02 min

Lab File: BG032706.D

Acq: 15 Feb 2018 8:23

Instrument :

BNA\_G

ClientSampleId :

SAMPLE-B-1-3

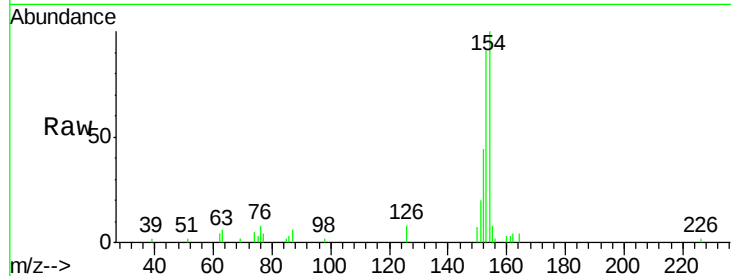
Tot Ion:154 Resp: 13591

Ion Ratio Lower Upper

154 100

153 90.6 90.4 135.6

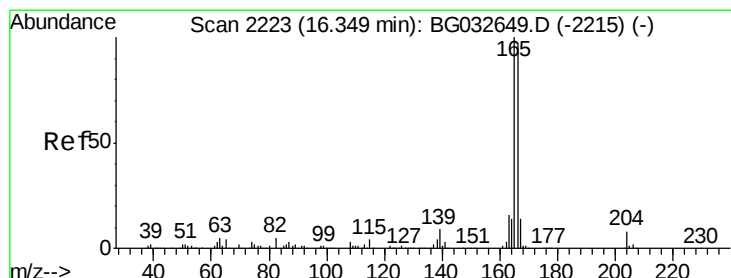
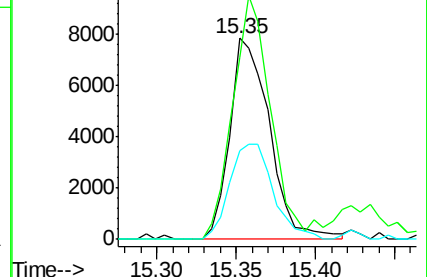
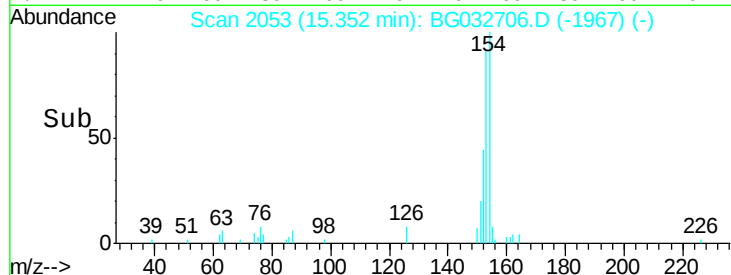
152 44.5 41.6 62.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#57

Fluorene

Concen: 2.091 ng

RT: 16.33 min Scan# 2220

Delta R.T. -0.02 min

Lab File: BG032706.D

Acq: 15 Feb 2018 8:23

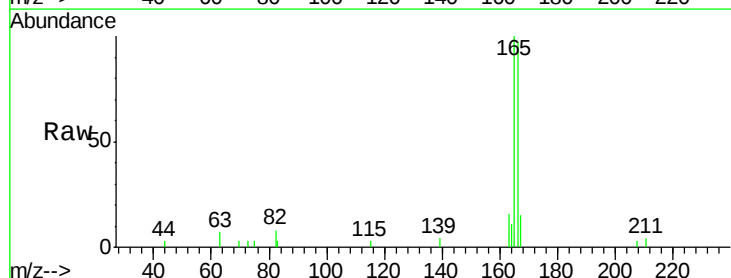
Tgt Ion:166 Resp: 10084

Ion Ratio Lower Upper

166 100

165 103.2 80.6 121.0

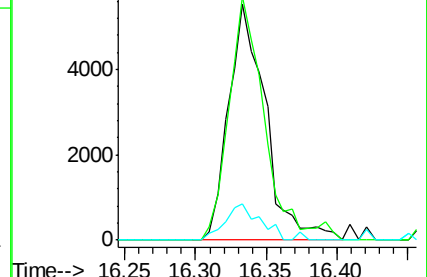
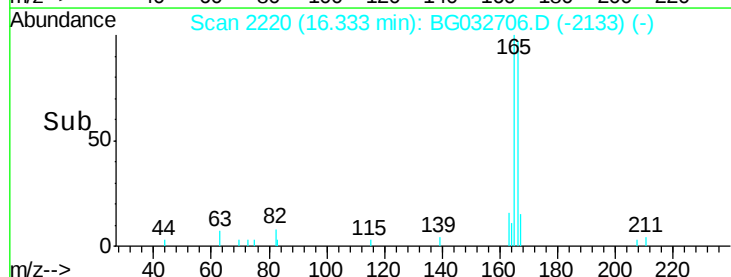
167 15.6 10.4 15.6#

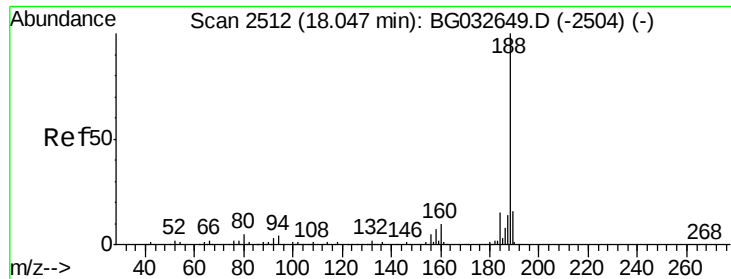


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

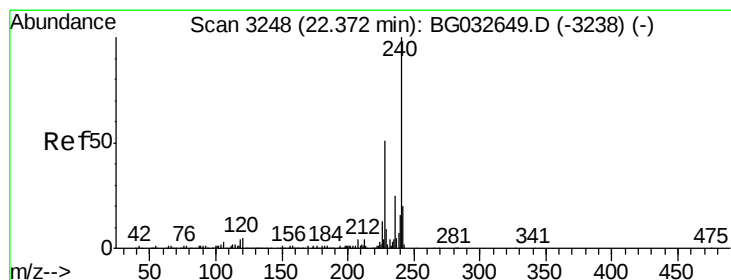
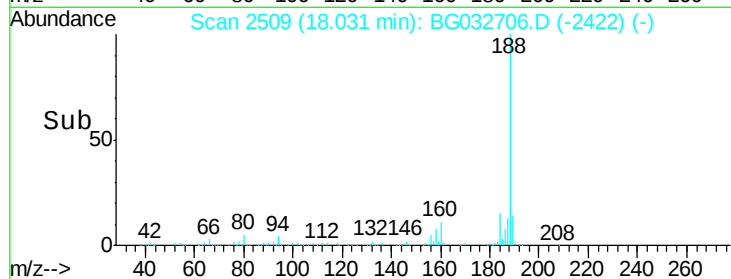
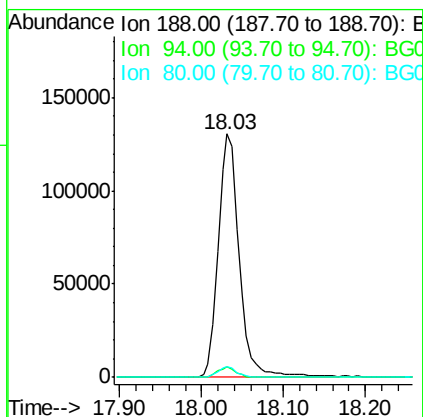
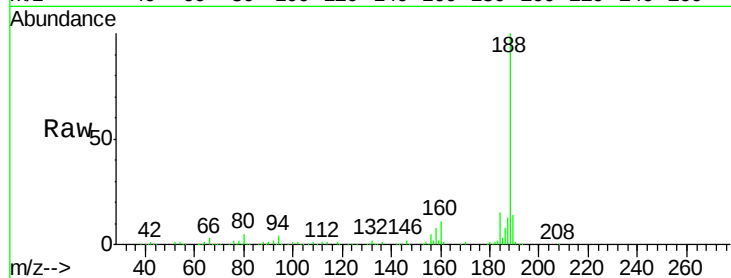




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 18.03 min Scan# 2509  
Delta R.T. -0.02 min  
Lab File: BG032706.D  
Acq: 15 Feb 2018 8:23

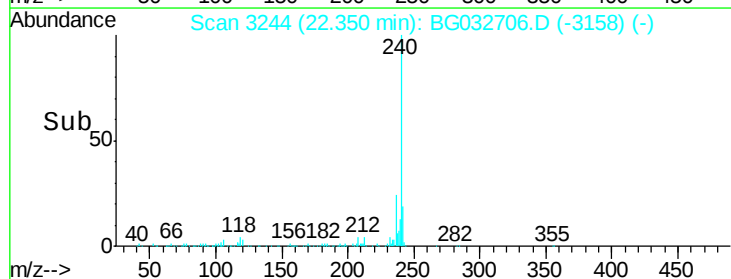
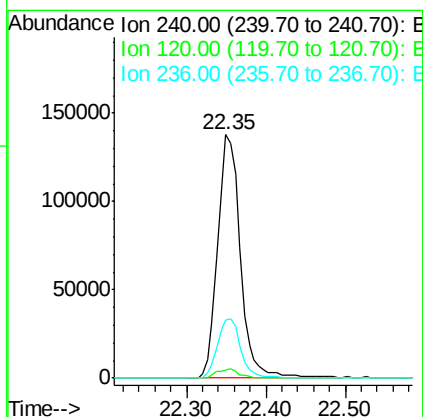
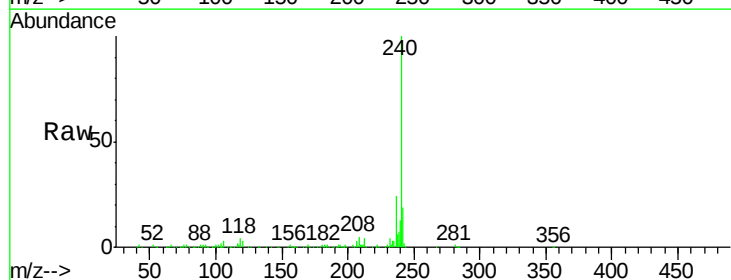
Instrument :  
BNA\_G  
ClientSampleId :  
SAMPLE-B-1-3

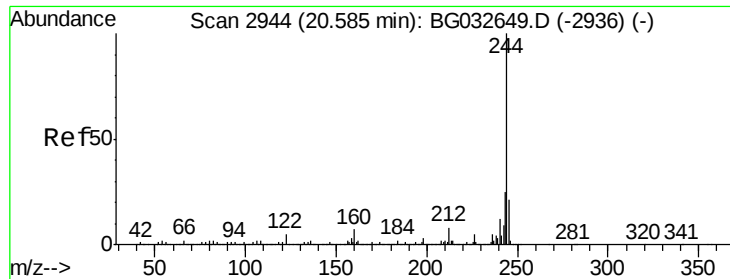
Tot Ion:188 Resp: 233116  
Ion Ratio Lower Upper  
188 100  
94 4.1 6.9 10.3#  
80 4.6 7.7 11.5#



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 22.35 min Scan# 3244  
Delta R.T. -0.02 min  
Lab File: BG032706.D  
Acq: 15 Feb 2018 8:23

Tgt Ion:240 Resp: 275056  
Ion Ratio Lower Upper  
240 100  
120 3.2 6.8 10.2#  
236 23.7 20.9 31.3





#78

Terphenyl-d14

Concen: 112.051 ng

RT: 20.58 min Scan# 2942

Delta R.T. -0.01 min

Lab File: BG032706.D

Acq: 15 Feb 2018 8:23

Instrument :

BNA\_G

ClientSampleId :

SAMPLE-B-1-3

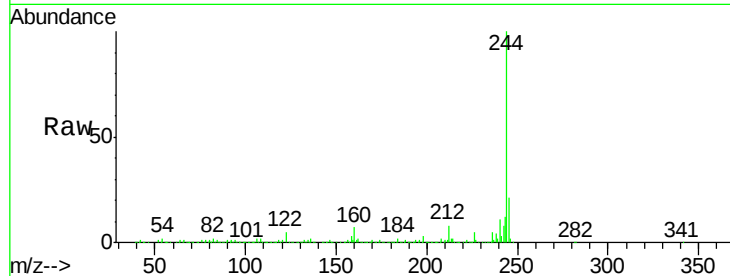
Tot Ion:244 Resp: 1352238

Ion Ratio Lower Upper

244 100

212 7.9 5.8 8.8

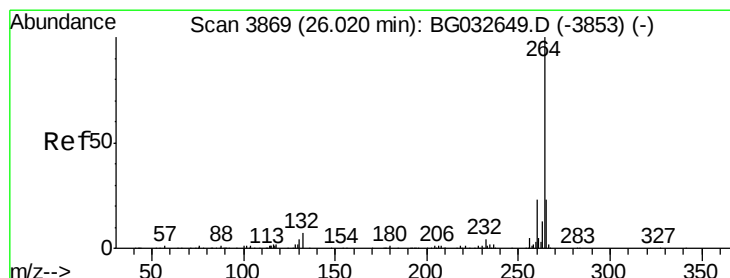
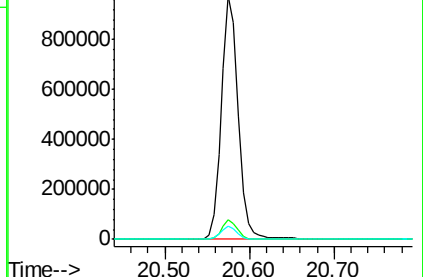
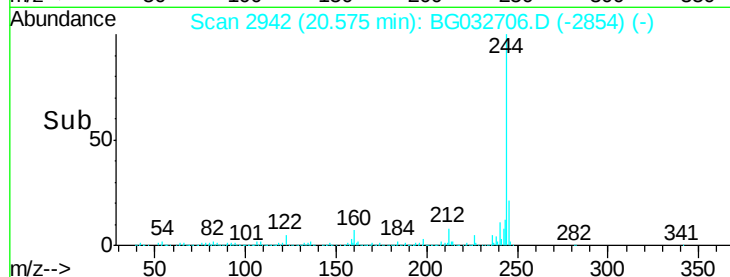
122 5.4 7.0 10.4#



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: 25.98 min Scan# 3862

Delta R.T. -0.04 min

Lab File: BG032706.D

Acq: 15 Feb 2018 8:23

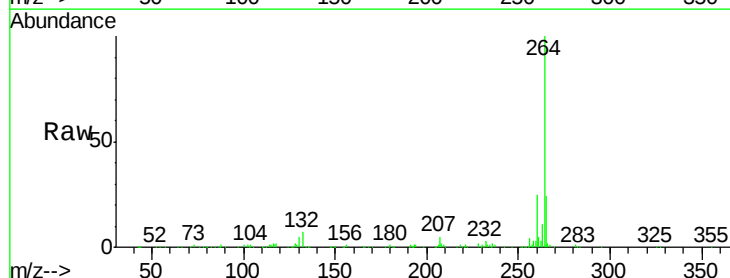
Tgt Ion:264 Resp: 326281

Ion Ratio Lower Upper

264 100

260 24.5 17.4 26.0

265 23.6 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

