

Data Path : Z:\HPCHEM1\BNA G\DATA\BG120415\  
 Data File : BG019931.D  
 Acq On : 5 Dec 2015 8:01  
 Operator : UM/NP  
 Sample : PB87054BL  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB87054BL

Quant Time: Dec 07 04:06:13 2015  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG120215.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 02 18:50:01 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.11  | 152  | 45351    | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8          | 10.93 | 136  | 204048   | 20.00 | ng    | -0.02    |
| 38) Acenaphthene-d10        | 14.75 | 164  | 152123   | 20.00 | ng    | -0.02    |
| 63) Phenanthrene-d10        | 17.48 | 188  | 385707   | 20.00 | ng    | -0.02    |
| 75) Chrysene-d12            | 21.76 | 240  | 478848   | 20.00 | ng    | -0.03    |
| 86) Perylene-d12            | 25.04 | 264  | 448040   | 20.00 | ng    | -0.05    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.66  | 112  | 174142   | 69.40 | ng    | -0.01    |
| 7) Phenol-d6                | 7.26  | 99   | 255218   | 67.36 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 9.28  | 82   | 165831   | 41.48 | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 16.23 | 330  | 123998   | 53.27 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 13.37 | 172  | 416251   | 37.36 | ng    | -0.02    |
| 78) Terphenyl-d14           | 20.09 | 244  | 757201   | 38.57 | ng    | -0.02    |

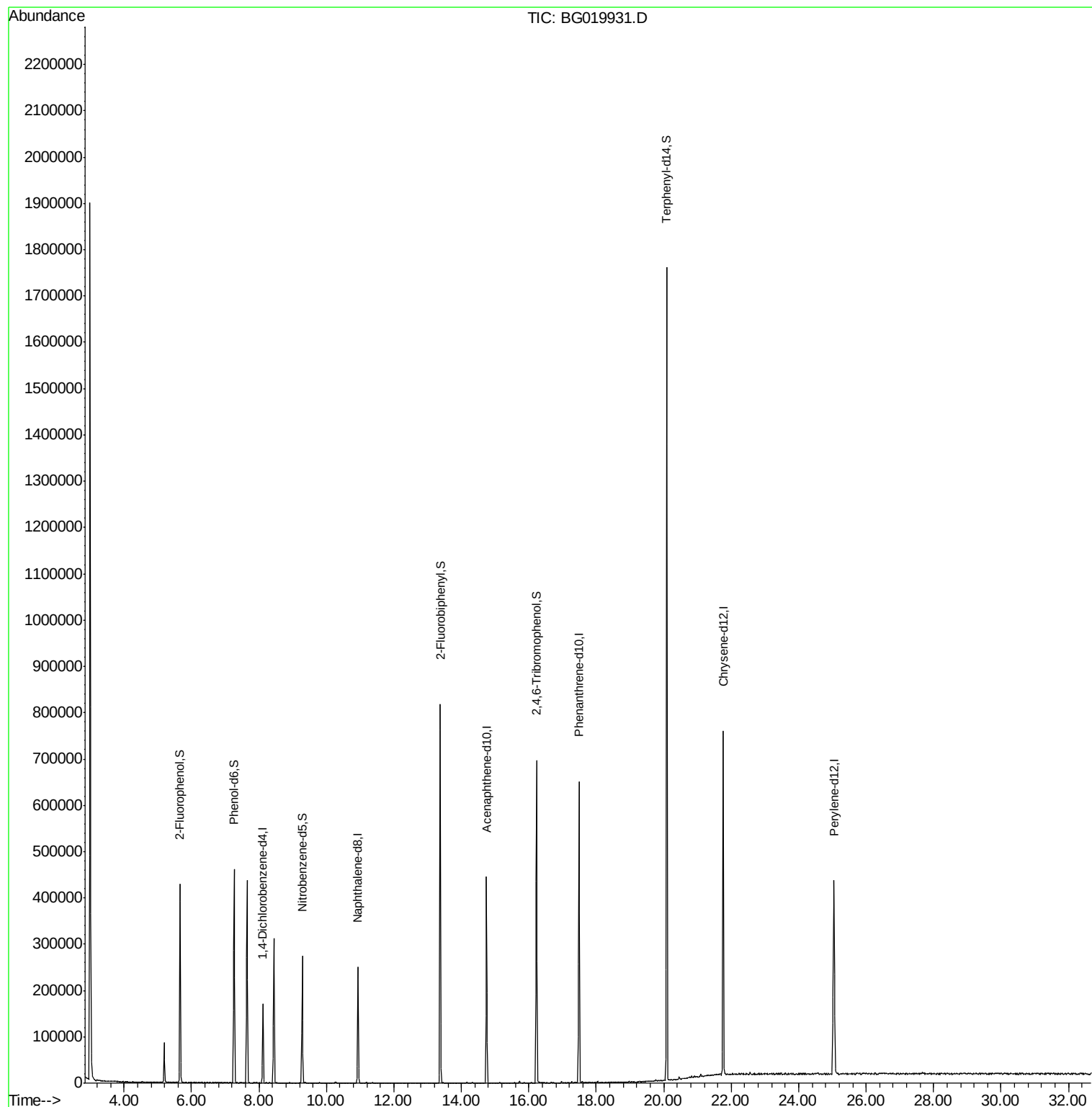
Target Compounds Qvalue

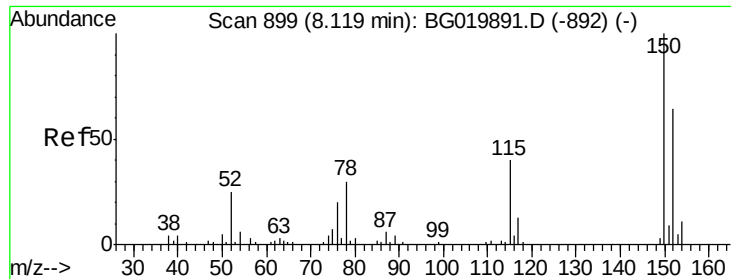
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.11 min Scan# 898

Delta R.T. -0.02 min

Lab File: BG019931.D

Acq: 5 Dec 2015 8:01

Instrument :

BNA\_G

ClientSampleId :

PB87054BL

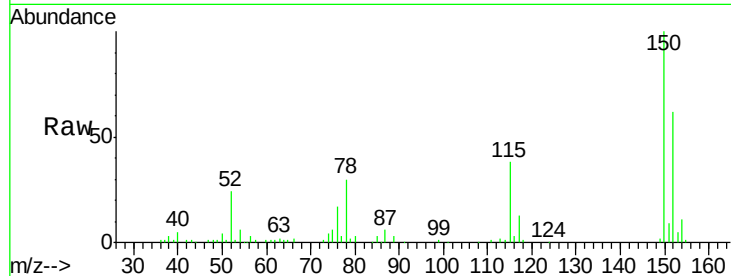
Tot Ion:152 Resp: 45351

Ion Ratio Lower Upper

152 100

150 162.0 115.0 172.4

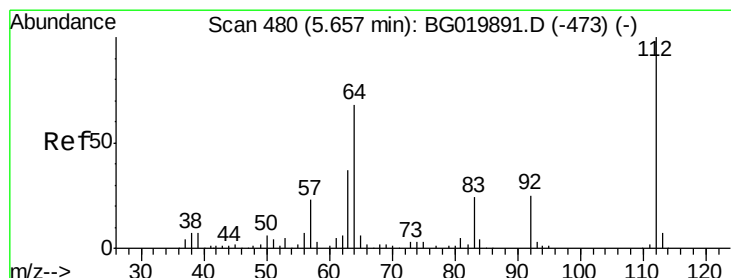
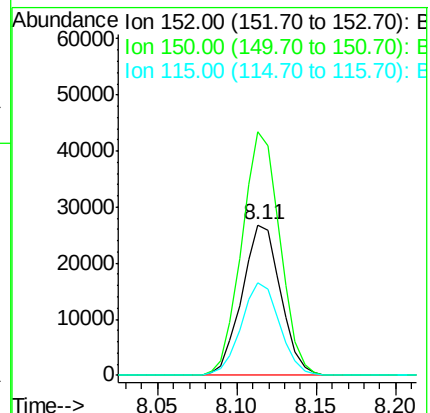
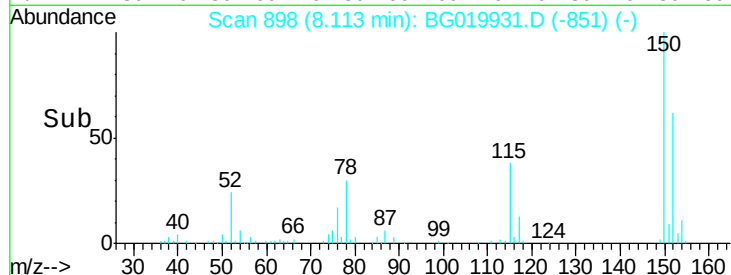
115 61.9 43.9 65.9



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: 69.40 ng

RT: 5.66 min Scan# 480

Delta R.T. -0.01 min

Lab File: BG019931.D

Acq: 5 Dec 2015 8:01

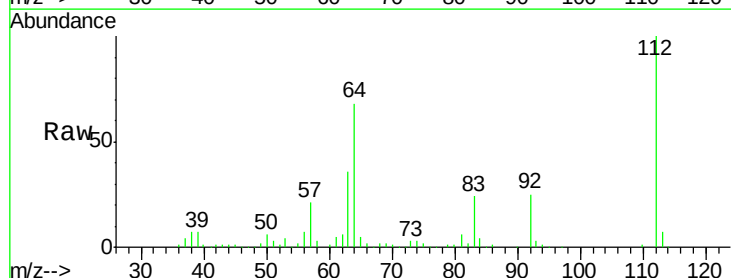
Tgt Ion:112 Resp: 174142

Ion Ratio Lower Upper

112 100

64 67.8 43.7 65.5#

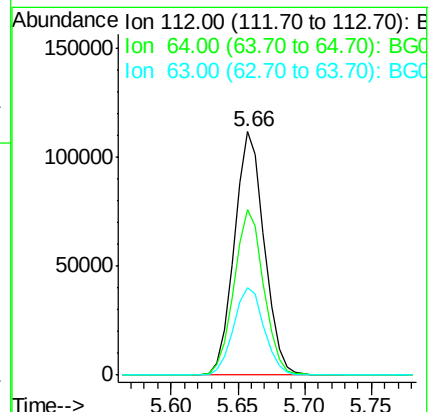
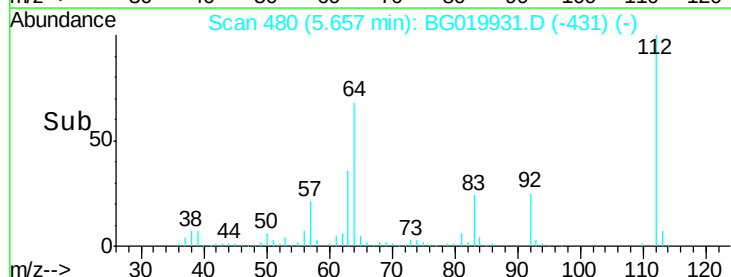
63 35.7 24.0 36.0

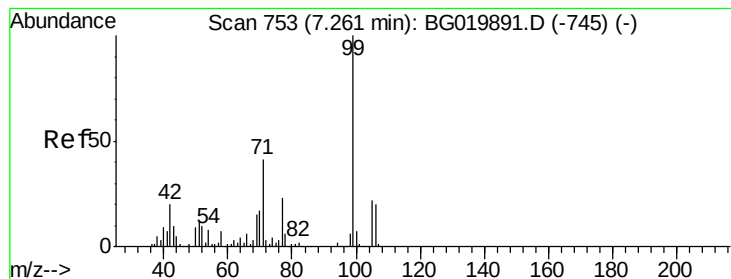


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 67.36 ng

RT: 7.26 min Scan# 753

Delta R.T. -0.01 min

Lab File: BG019931.D

Acq: 5 Dec 2015 8:01

Instrument :

BNA\_G

ClientSampleId :

PB87054BL

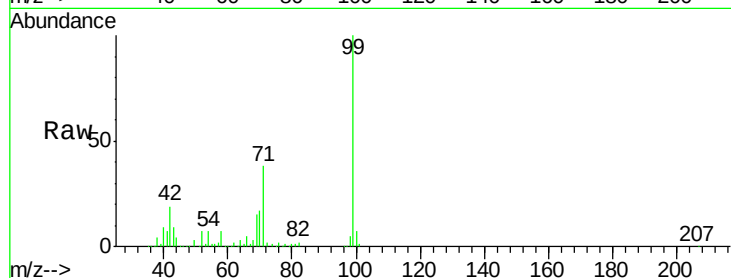
Tot Ion: 99 Resp: 255218

Ion Ratio Lower Upper

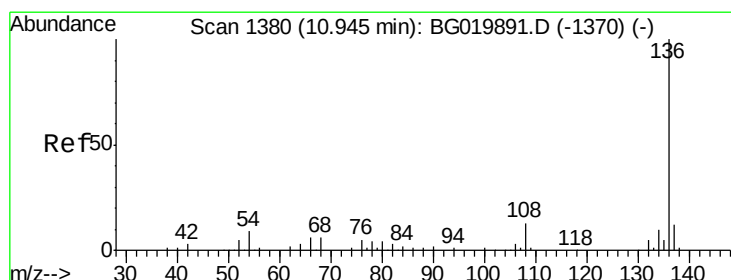
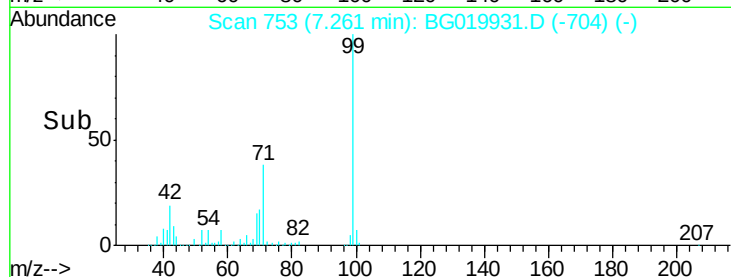
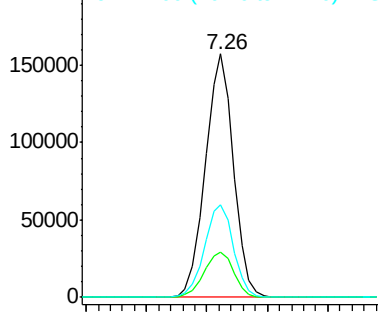
99 100

42 18.8 11.5 17.3#

71 38.2 22.6 34.0#



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: 10.93 min Scan# 1378

Delta R.T. -0.02 min

Lab File: BG019931.D

Acq: 5 Dec 2015 8:01

Tgt Ion: 136 Resp: 204048

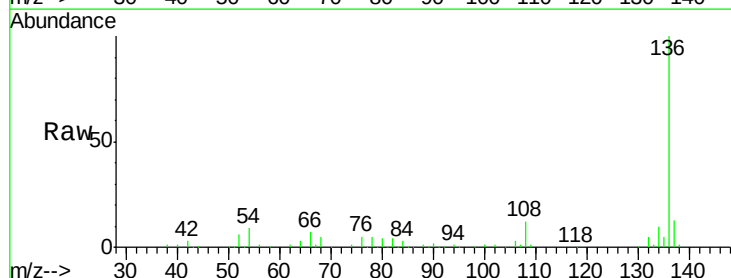
Ion Ratio Lower Upper

136 100

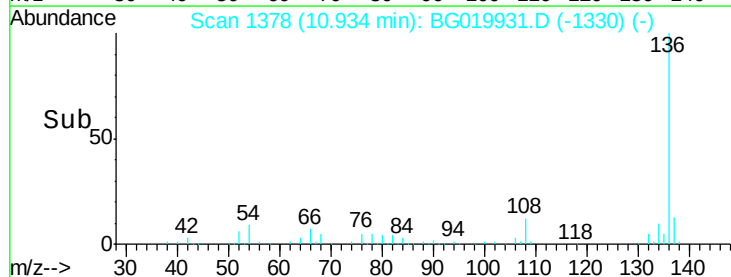
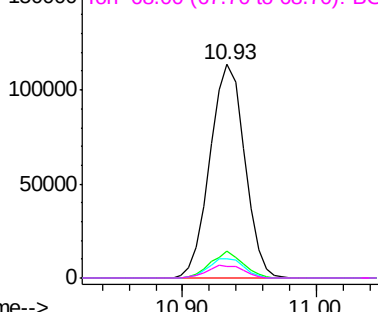
137 12.8 8.6 12.8

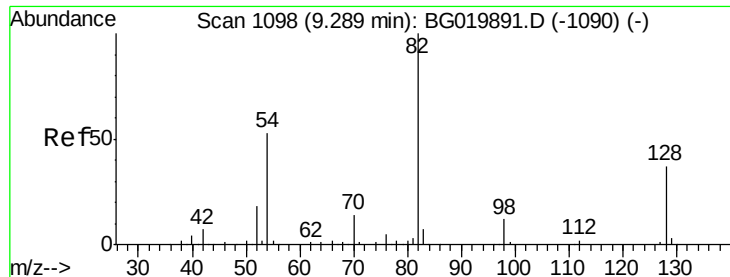
54 9.2 5.4 8.2#

68 5.3 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

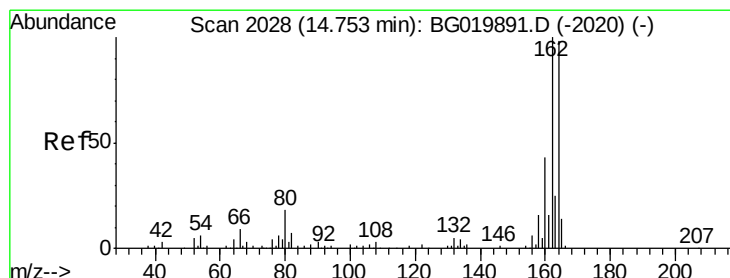
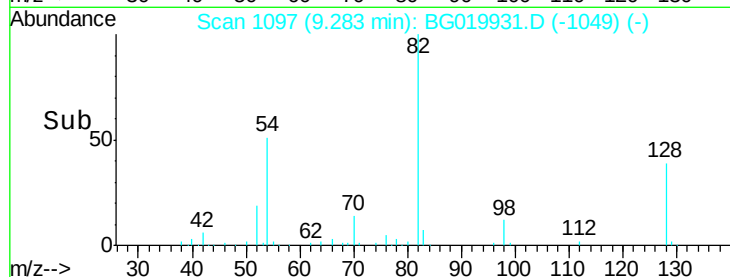
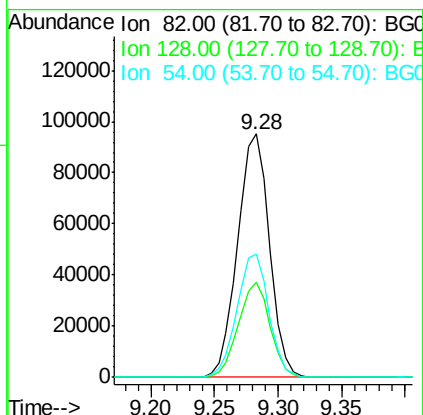
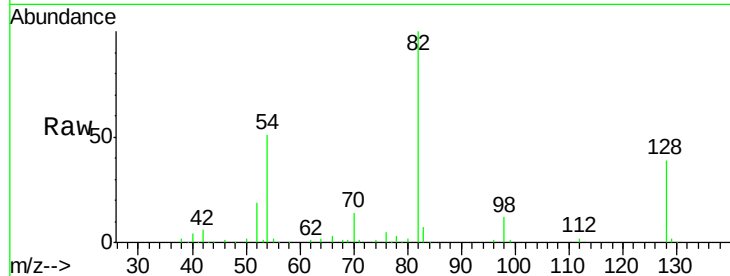




#23  
 Nitrobenzene-d5  
 Concen: 41.48 ng  
 RT: 9.28 min Scan# 1097  
 Delta R.T. -0.02 min  
 Lab File: BG019931.D  
 Acq: 5 Dec 2015 8:01

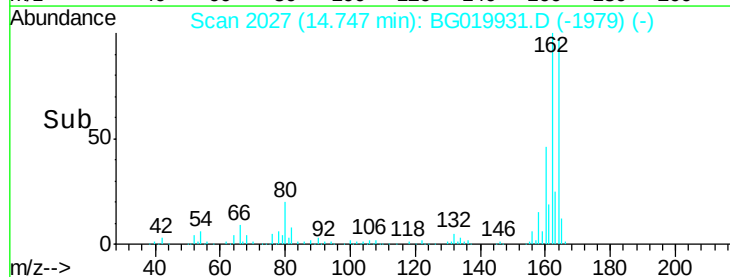
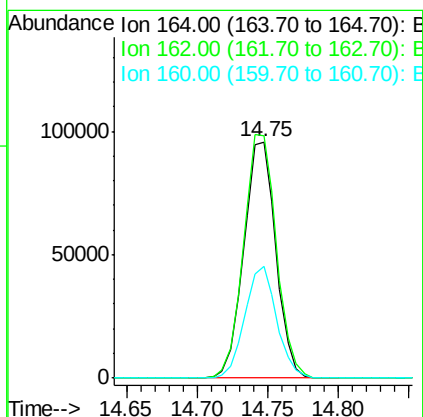
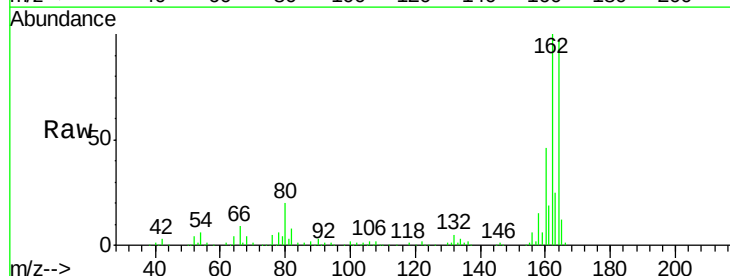
Instrument :  
 BNA\_G  
 ClientSampleID :  
 PB87054BL

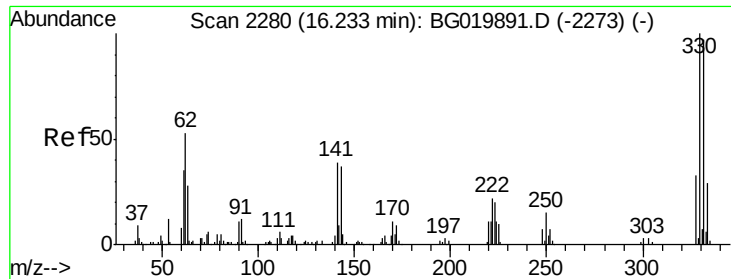
| Tot Ion   | 82   | Resp  | 165831 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 39.0 | 36.7  | 55.1   |
| 54        | 50.6 | 33.8  | 50.8   |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.75 min Scan# 2027  
 Delta R.T. -0.02 min  
 Lab File: BG019931.D  
 Acq: 5 Dec 2015 8:01

| Tgt Ion   | 164   | Resp  | 152123 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 162       | 102.6 | 78.8  | 118.2  |
| 160       | 47.4  | 36.4  | 54.6   |





#41

2,4,6-Tribromophenol

Concen: 53.27 ng

RT: 16.23 min Scan# 2279

Delta R.T. -0.02 min

Lab File: BG019931.D

Acq: 5 Dec 2015 8:01

Instrument :

BNA\_G

ClientSampled :

PB87054BL

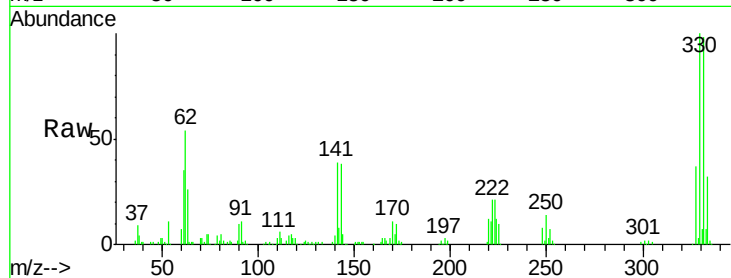
Tot Ion:330 Resp: 123998

Ion Ratio Lower Upper

330 100

332 95.9 78.1 117.1

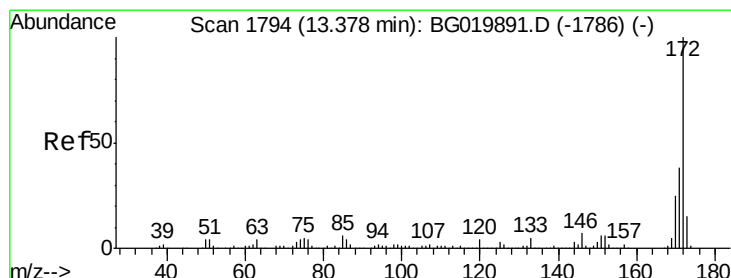
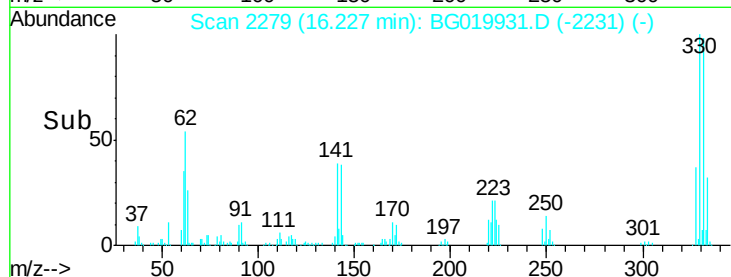
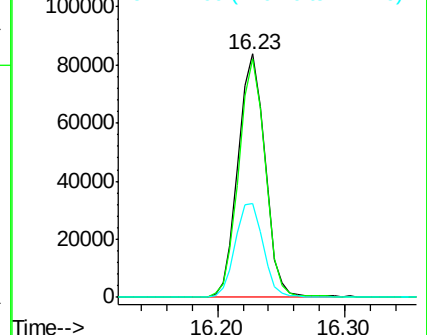
141 39.8 28.2 42.2



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: 37.36 ng

RT: 13.37 min Scan# 1793

Delta R.T. -0.02 min

Lab File: BG019931.D

Acq: 5 Dec 2015 8:01

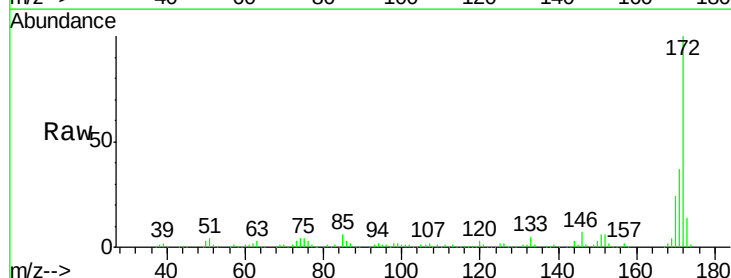
Tgt Ion:172 Resp: 416251

Ion Ratio Lower Upper

172 100

171 37.2 29.0 43.6

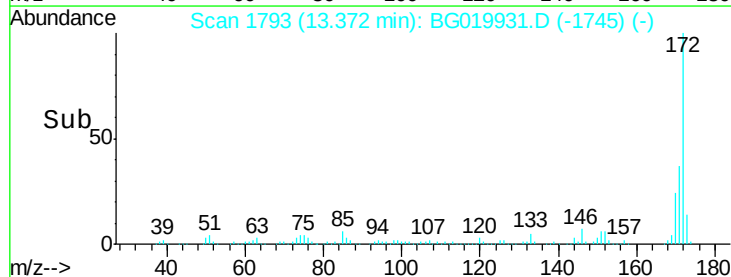
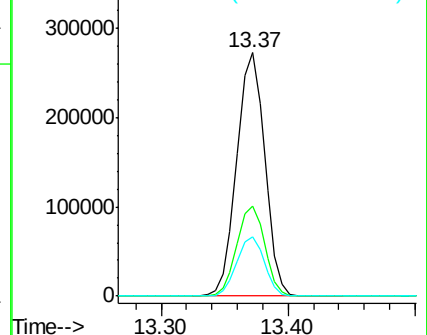
170 24.2 19.9 29.9

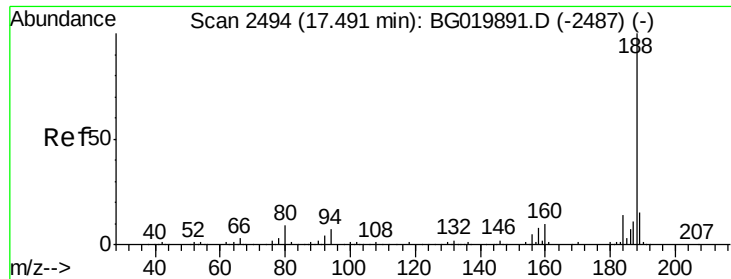


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

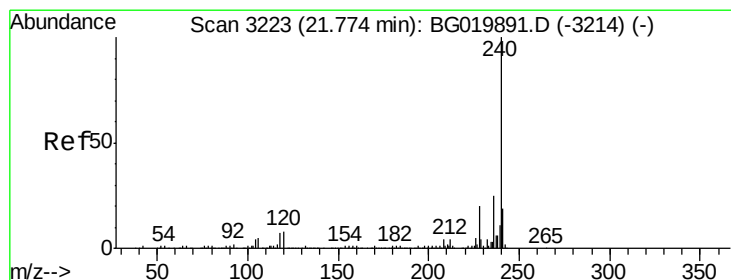
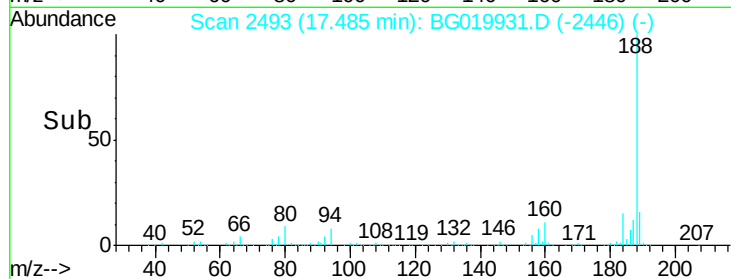
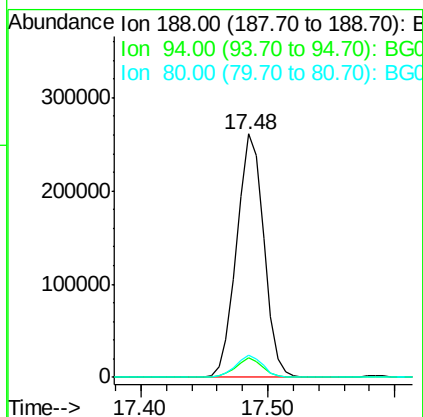
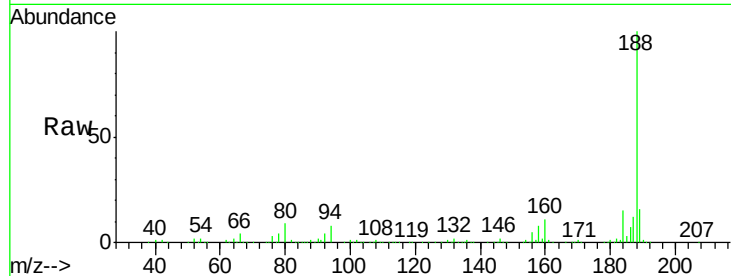




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.48 min Scan# 2493  
Delta R.T. -0.02 min  
Lab File: BG019931.D  
Acq: 5 Dec 2015 8:01

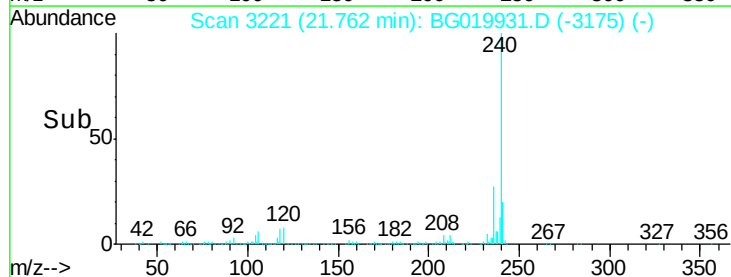
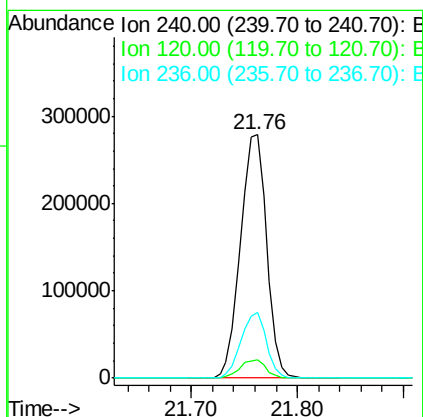
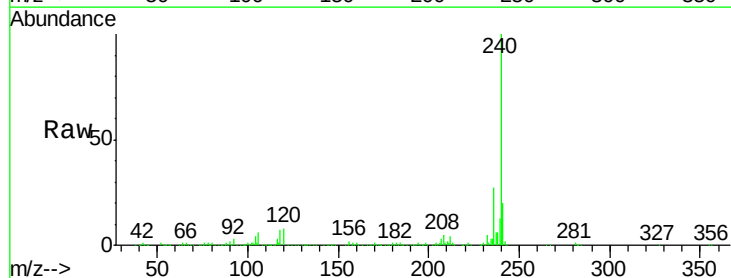
Instrument :  
BNA\_G  
ClientSampleId :  
PB87054BL

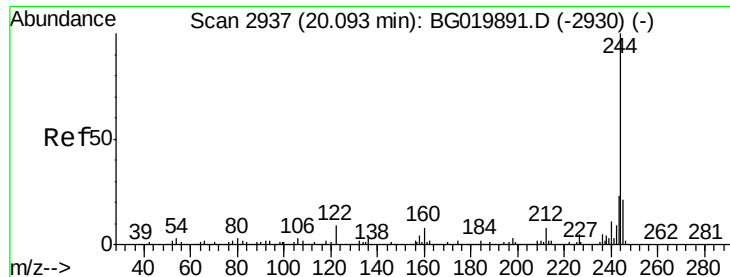
Tot Ion:188 Resp: 385707  
Ion Ratio Lower Upper  
188 100  
94 8.1 7.7 11.5  
80 9.0 7.8 11.8



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.76 min Scan# 3221  
Delta R.T. -0.03 min  
Lab File: BG019931.D  
Acq: 5 Dec 2015 8:01

Tgt Ion:240 Resp: 478848  
Ion Ratio Lower Upper  
240 100  
120 7.8 7.4 11.0  
236 27.0 20.7 31.1





#78

Terphenyl-d14

Concen: 38.57 ng

RT: 20.09 min Scan# 2936

Delta R.T. -0.02 min

Lab File: BG019931.D

Acq: 5 Dec 2015 8:01

Instrument :

BNA\_G

ClientSampleId :

PB87054BL

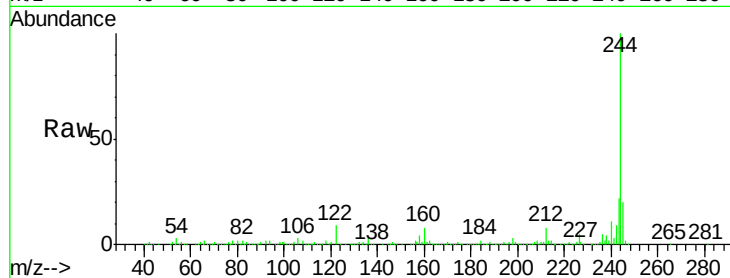
Tot Ion:244 Resp: 757201

Ion Ratio Lower Upper

244 100

212 8.0 6.9 10.3

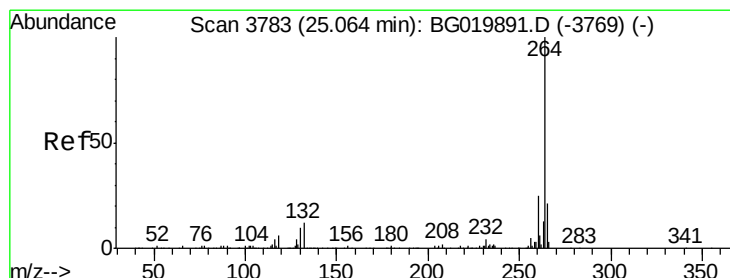
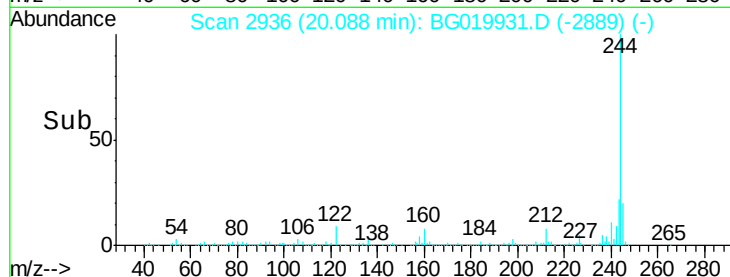
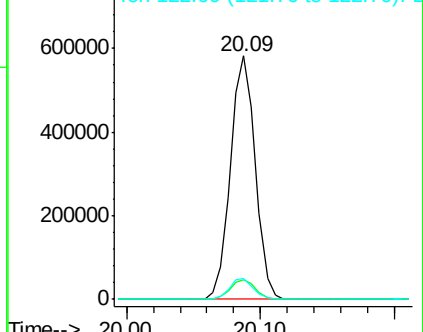
122 8.6 10.2 15.2#



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: 25.04 min Scan# 3779

Delta R.T. -0.05 min

Lab File: BG019931.D

Acq: 5 Dec 2015 8:01

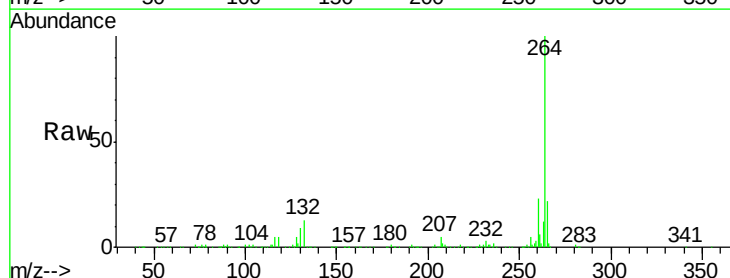
Tgt Ion:264 Resp: 448040

Ion Ratio Lower Upper

264 100

260 23.5 18.5 27.7

265 22.4 17.2 25.8



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

