

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101215\  
 Data File : BG019153.D  
 Acq On : 12 Oct 2015 9:14  
 Operator : UM/NP  
 Sample : G3978-06  
 Misc :  
 ALS Vial : 44 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW25

Quant Time: Oct 13 01:03:01 2015  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG101015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Oct 10 07:04:31 2015  
 Response via : Initial Calibration

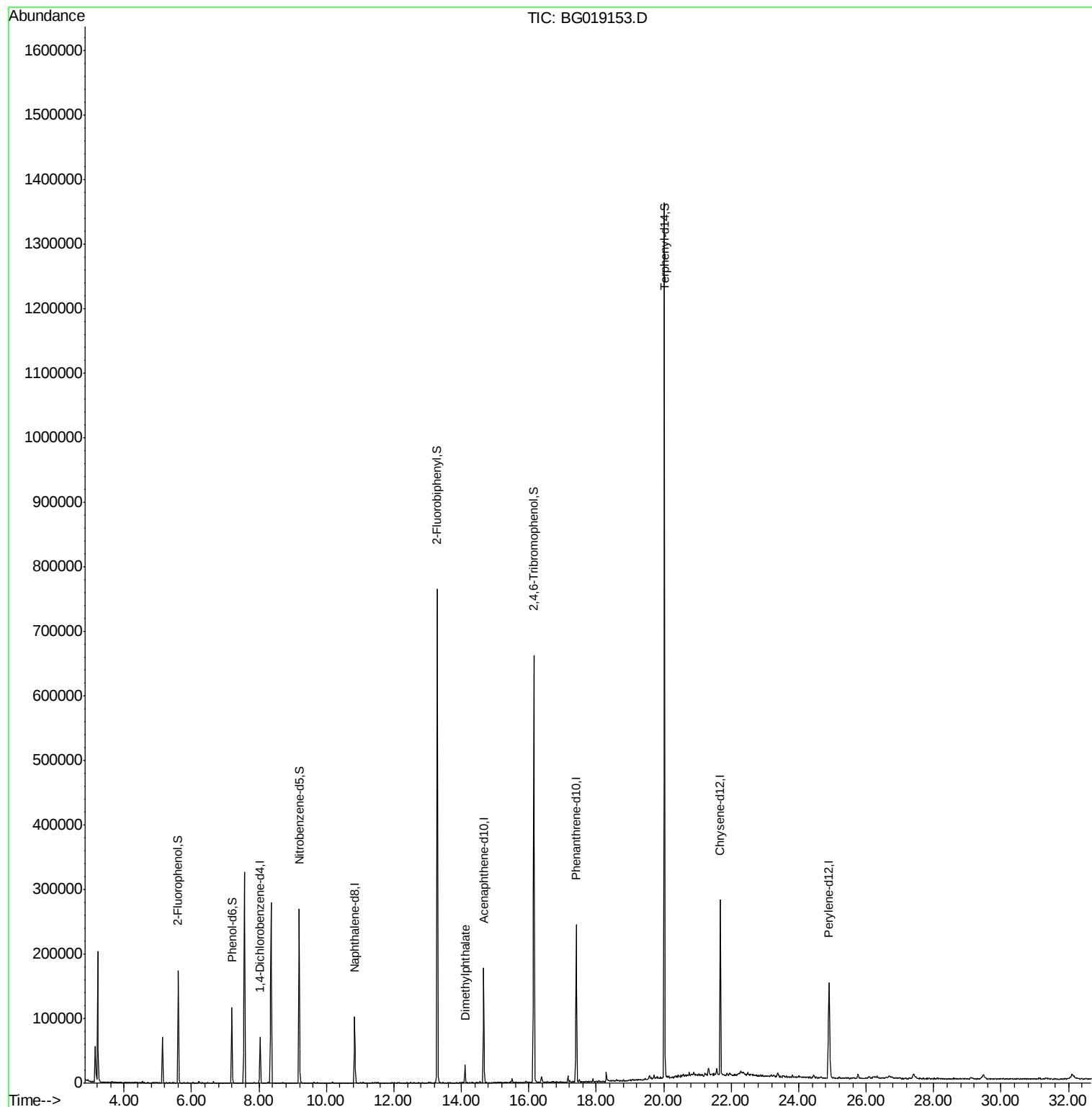
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.03  | 152  | 18943    | 20.00  | ng    | 0.00         |
| 21) Naphthalene-d8          | 10.84 | 136  | 84603    | 20.00  | ng    | 0.00         |
| 38) Acenaphthene-d10        | 14.66 | 164  | 59170    | 20.00  | ng    | 0.00         |
| 63) Phenanthrene-d10        | 17.40 | 188  | 145065   | 20.00  | ng    | 0.00         |
| 75) Chrysene-d12            | 21.67 | 240  | 164127   | 20.00  | ng    | -0.01        |
| 86) Perylene-d12            | 24.90 | 264  | 162617   | 20.00  | ng    | -0.01        |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 5.60  | 112  | 62655    | 67.34  | ng    | 0.00         |
| 7) Phenol-d6                | 7.19  | 99   | 60394    | 42.26  | ng    | 0.00         |
| 23) Nitrobenzene-d5         | 9.19  | 82   | 155426   | 101.51 | ng    | 0.00         |
| 41) 2,4,6-Tribromophenol    | 16.15 | 330  | 121177   | 150.29 | ng    | 0.00         |
| 44) 2-Fluorobiphenyl        | 13.28 | 172  | 388231   | 100.89 | ng    | 0.00         |
| 78) Terphenyl-d14           | 20.02 | 244  | 588600   | 94.73  | ng    | 0.00         |
| Target Compounds            |       |      |          |        |       |              |
| 49) Dimethylphthalate       | 14.11 | 163  | 16498    | 3.53   | ng    | Qvalue<br>96 |

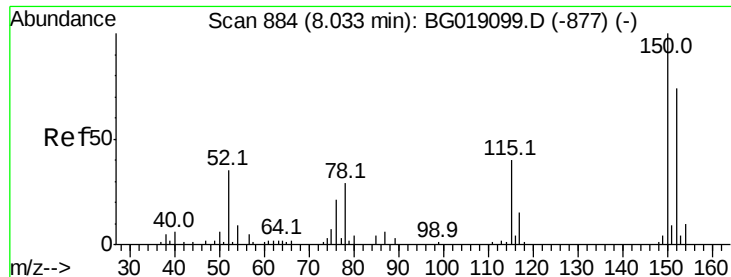
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 44 Sample Multiplier: 1

Instrument :  
BNA\_G  
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QLast Update : Sat Oct 10 07:04:31 2015  
Response via : Initial Calibration



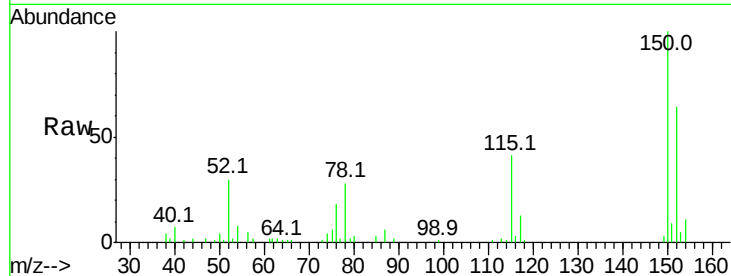


#1

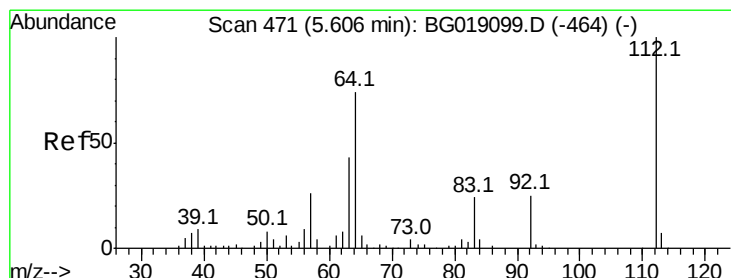
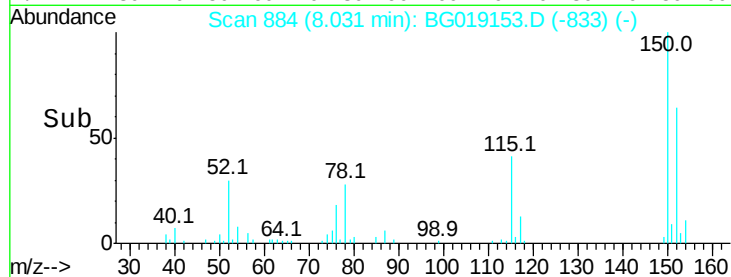
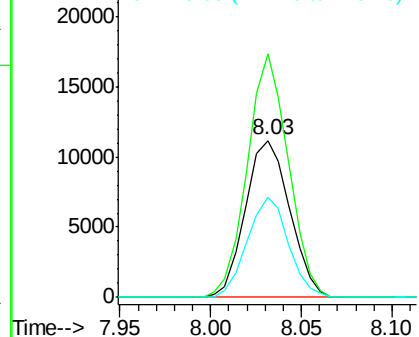
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.03 min Scan# 884  
Delta R.T. -0.00 min  
Lab File: BG019153.D  
Acq: 12 Oct 2015 9:14

Instrument :  
BNA\_G  
ClientSampleId :  
MW25

Tot Ion:152 Resp: 18943  
Ion Ratio Lower Upper  
152 100  
150 155.1 108.2 162.2  
115 63.7 43.2 64.8



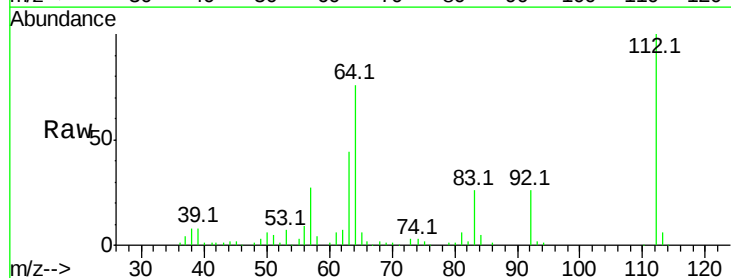
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



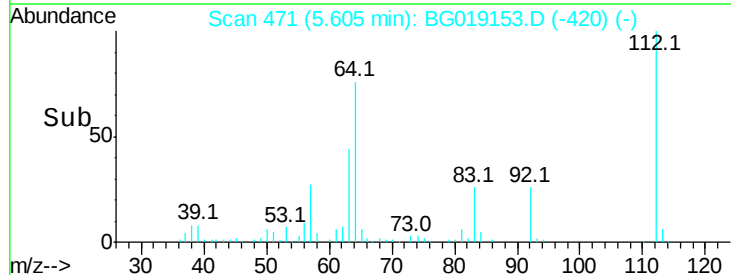
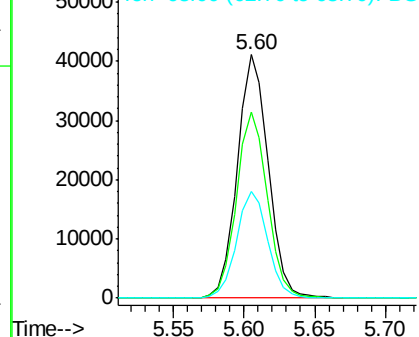
#5

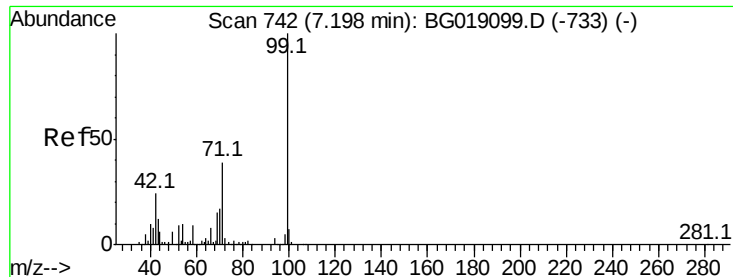
2-Fluorophenol  
Concen: 67.34 ng  
RT: 5.60 min Scan# 471  
Delta R.T. -0.00 min  
Lab File: BG019153.D  
Acq: 12 Oct 2015 9:14

Tgt Ion:112 Resp: 62655  
Ion Ratio Lower Upper  
112 100  
64 76.3 59.0 88.4  
63 43.6 34.7 52.1



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: 42.26 ng

RT: 7.19 min Scan# 741

Delta R.T. -0.01 min

Lab File: BG019153.D

Acq: 12 Oct 2015 9:14

Instrument :

BNA\_G

ClientSampleId :

MW25

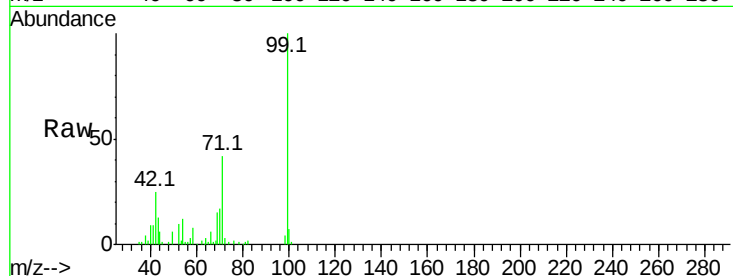
Tot Ion: 99 Resp: 60394

Ion Ratio Lower Upper

99 100

42 24.8 19.5 29.3

71 41.8 31.4 47.0

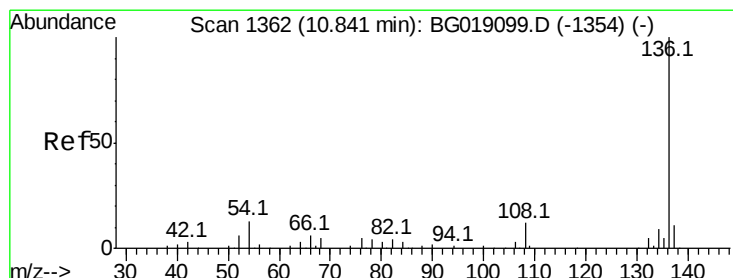
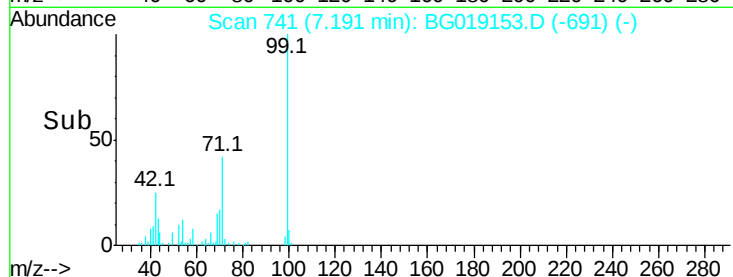
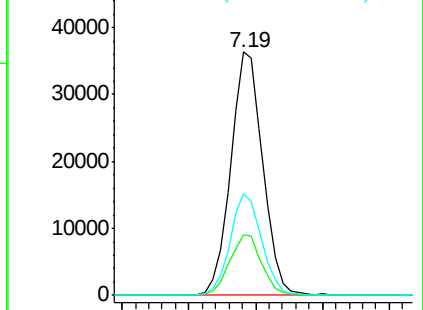


Abundance

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: 10.84 min Scan# 1362

Delta R.T. -0.00 min

Lab File: BG019153.D

Acq: 12 Oct 2015 9:14

Tgt Ion: 136 Resp: 84603

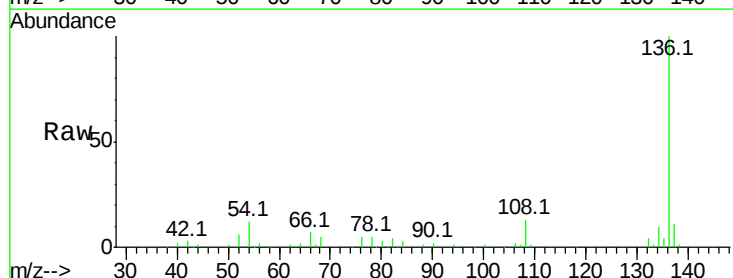
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.4

54 11.6 10.1 15.1

68 5.1 4.4 6.6



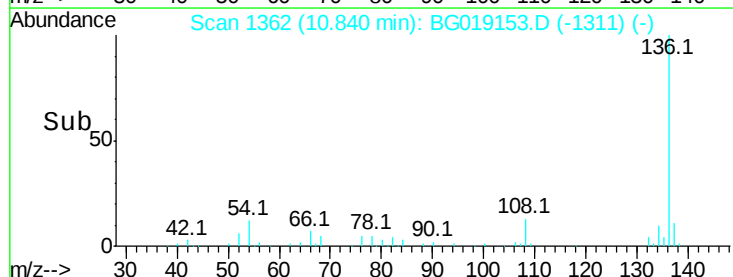
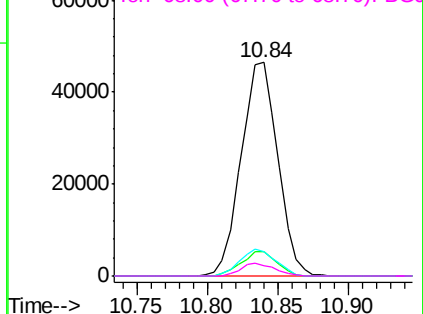
Abundance

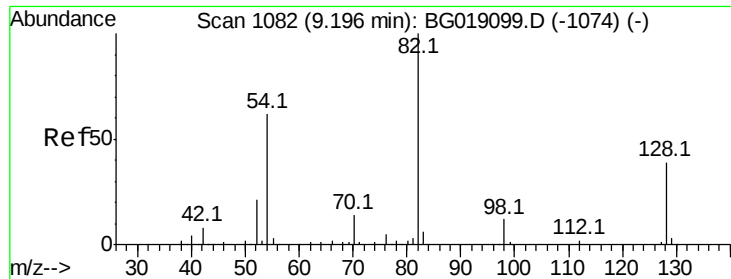
Ion 136.00 (135.70 to 136.70): BGC

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

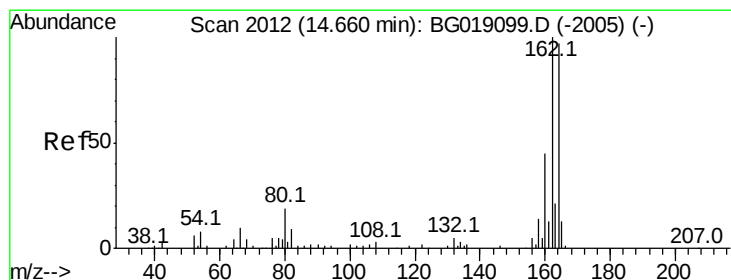
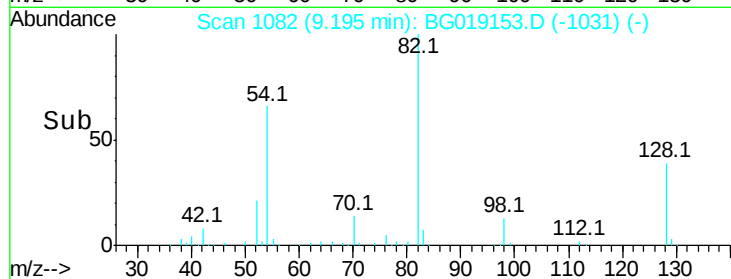
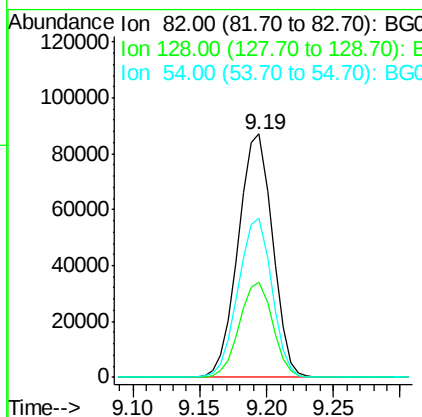
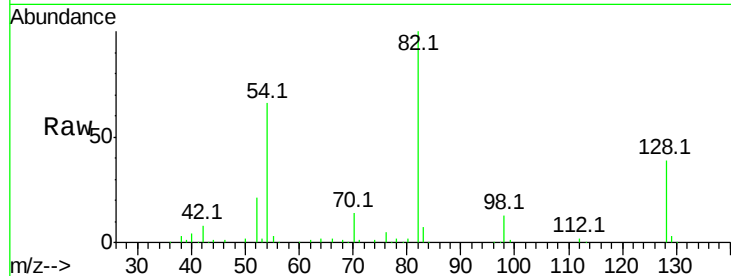




#23  
Nitrobenzene-d5  
Concen: 101.51 ng  
RT: 9.19 min Scan# 1082  
Delta R.T. -0.00 min  
Lab File: BG019153.D  
Acq: 12 Oct 2015 9:14

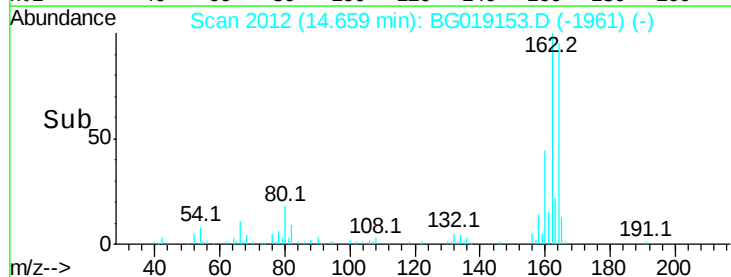
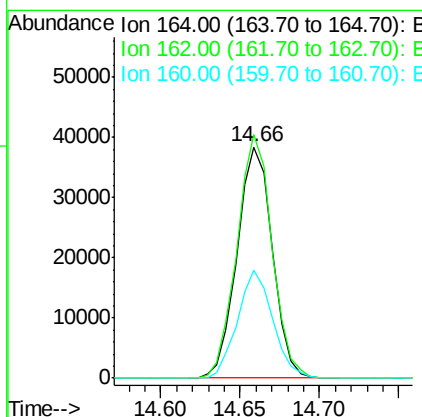
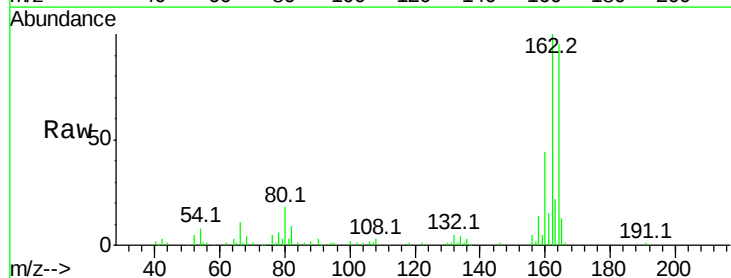
Instrument :  
BNA\_G  
ClientSampleId :  
MW25

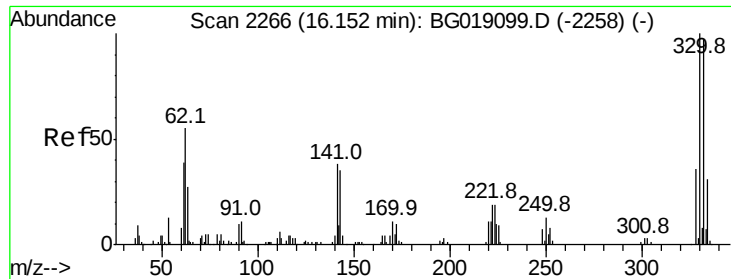
| Tot Ion   | 82    | Resp  | 155426 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 39.0  | 31.4  | 47.2   |
| 54        | 65.5  | 50.0  | 75.0   |



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.66 min Scan# 2012  
Delta R.T. -0.00 min  
Lab File: BG019153.D  
Acq: 12 Oct 2015 9:14

| Tgt Ion   | 164   | Resp  | 59170 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 162       | 105.2 | 82.6  | 124.0 |
| 160       | 46.5  | 36.9  | 55.3  |

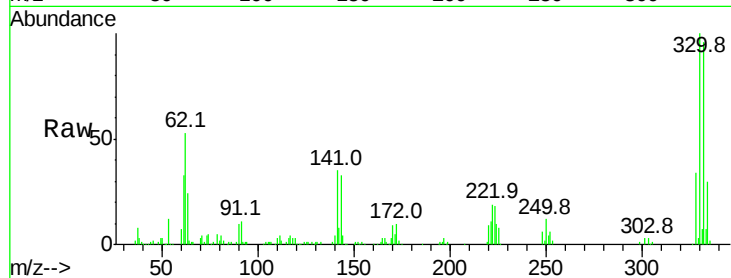




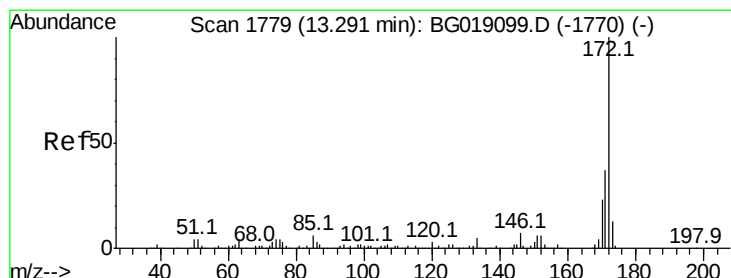
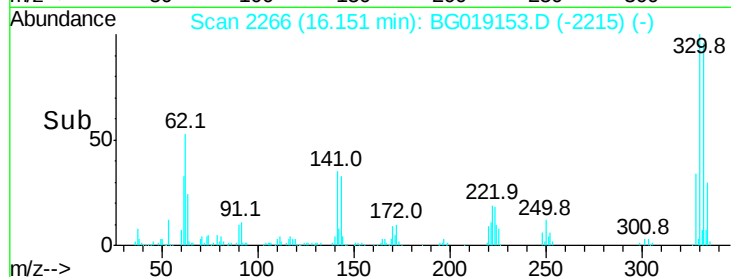
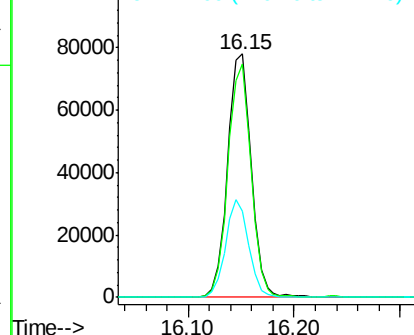
#41  
 2,4,6-Tribromophenol  
 Concen: 150.29 ng  
 RT: 16.15 min Scan# 2266  
 Delta R.T. -0.00 min  
 Lab File: BG019153.D  
 Acq: 12 Oct 2015 9:14

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW25

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 93.7  | 77.3  | 115.9 |
| 141     | 39.2  | 30.7  | 46.1  |

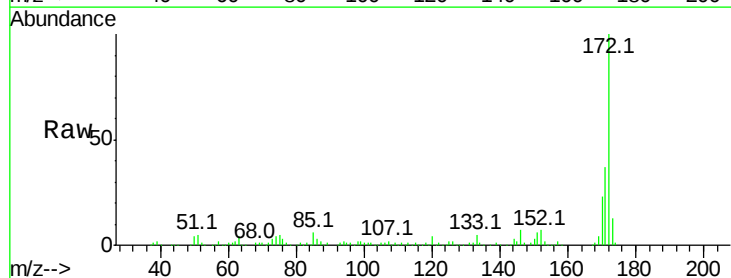


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

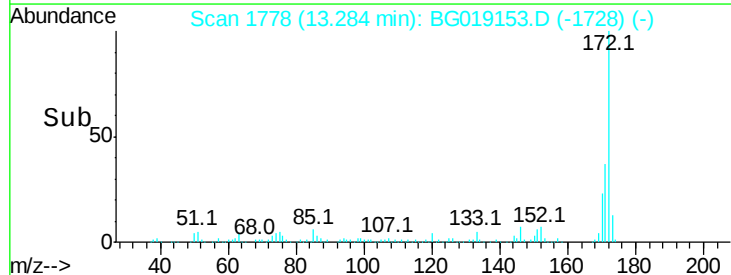
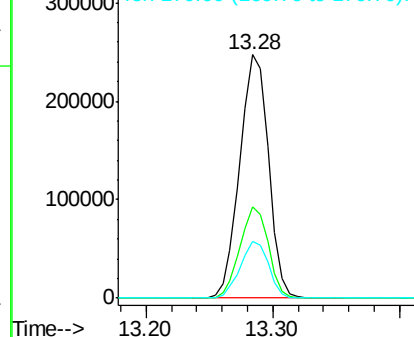


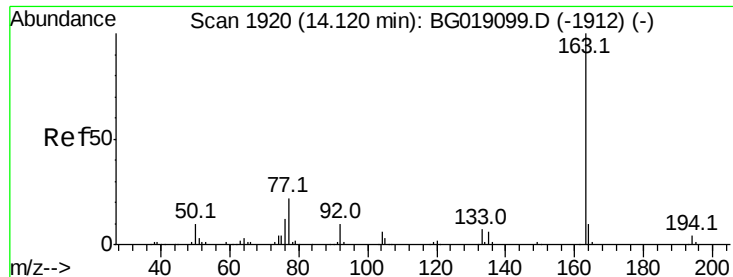
#44  
 2-Fluorobiphenyl  
 Concen: 100.89 ng  
 RT: 13.28 min Scan# 1778  
 Delta R.T. -0.01 min  
 Lab File: BG019153.D  
 Acq: 12 Oct 2015 9:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.4  | 29.9  | 44.9  |
| 170     | 23.2  | 18.6  | 27.8  |



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





#49

Dimethylphthalate

Concen: 3.53 ng

RT: 14.11 min Scan# 1918

Delta R.T. -0.01 min

Lab File: BG019153.D

Acq: 12 Oct 2015 9:14

Instrument :

BNA\_G

ClientSampleId :

MW25

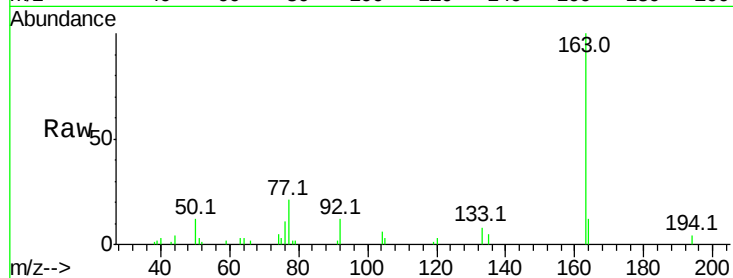
Tot Ion:163 Resp: 16498

Ion Ratio Lower Upper

163 100

194 3.5 3.2 4.8

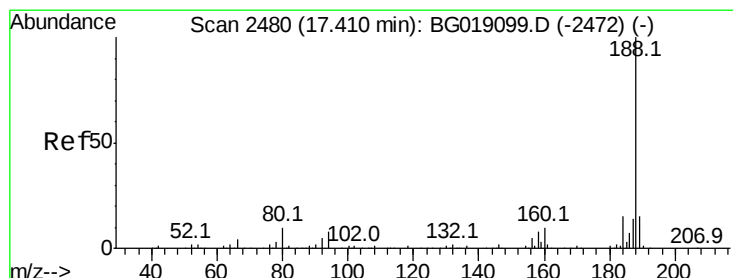
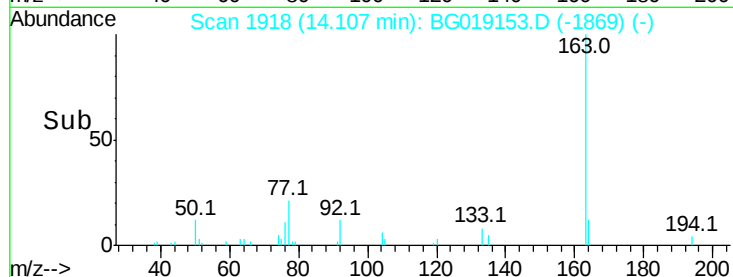
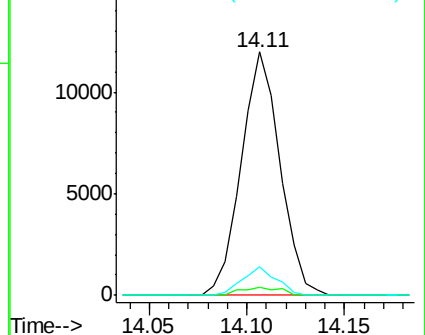
164 11.9 8.1 12.1



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.40 min Scan# 2479

Delta R.T. -0.01 min

Lab File: BG019153.D

Acq: 12 Oct 2015 9:14

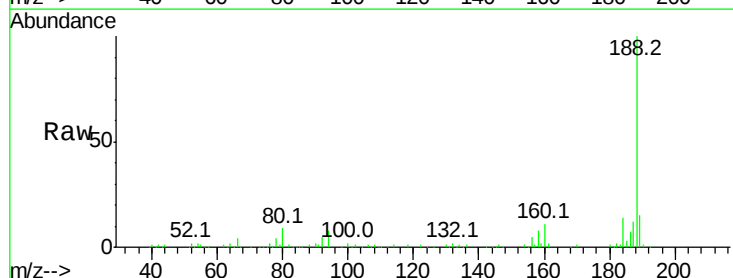
Tgt Ion:188 Resp: 145065

Ion Ratio Lower Upper

188 100

94 7.6 6.4 9.6

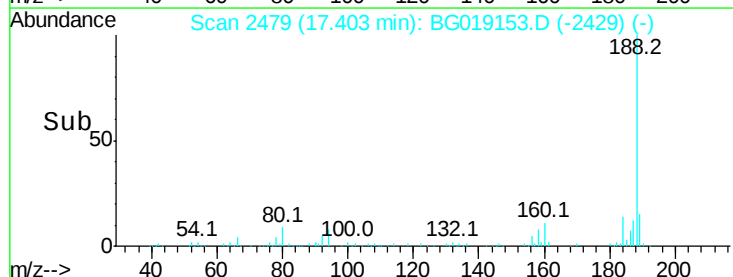
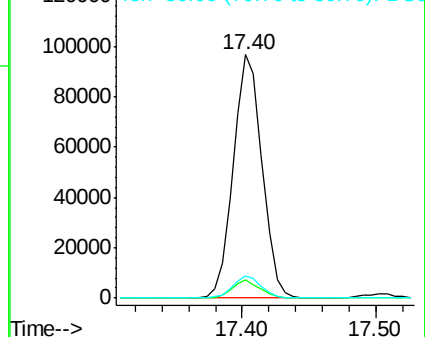
80 9.3 7.6 11.4

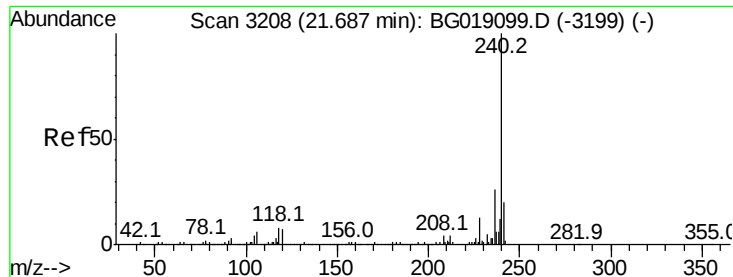


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0

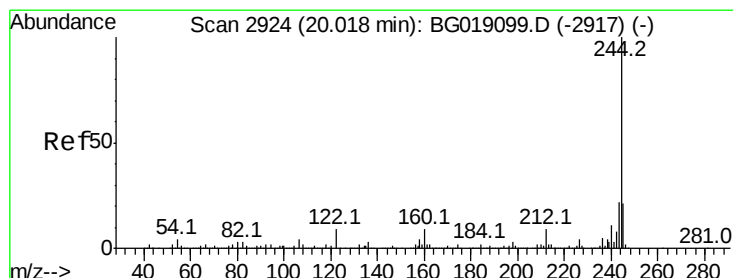
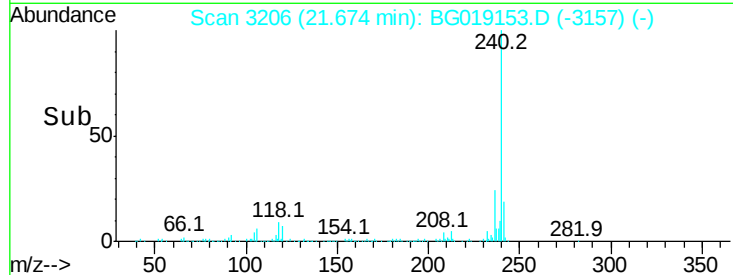
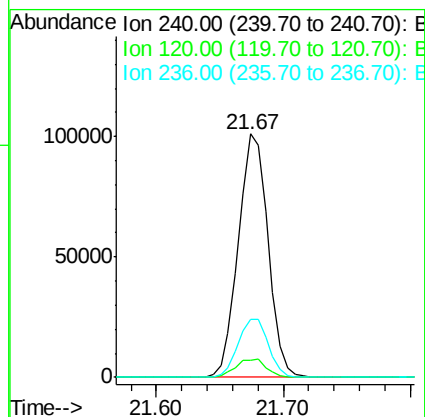
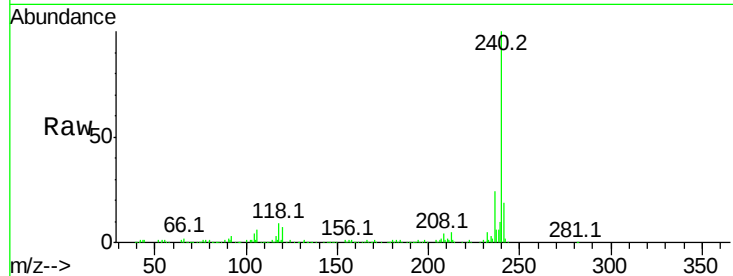




#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.67 min Scan# 3206  
Delta R.T. -0.01 min  
Lab File: BG019153.D  
Acq: 12 Oct 2015 9:14

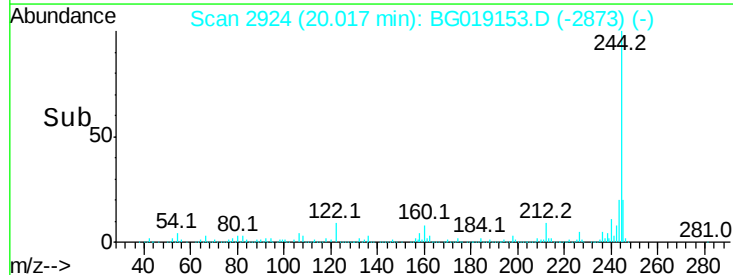
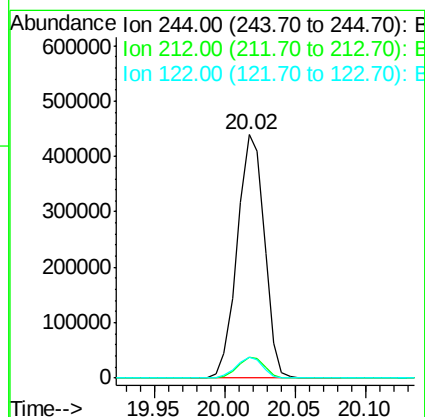
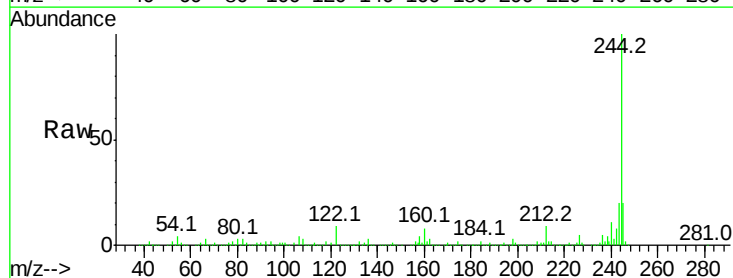
Instrument :  
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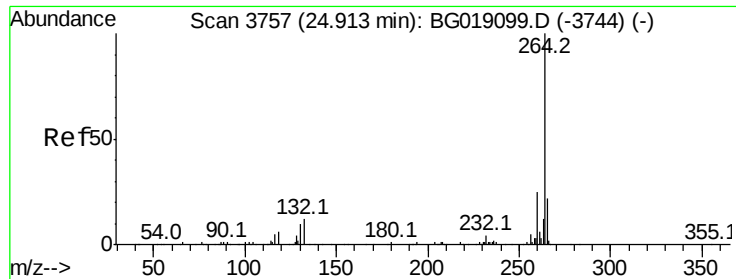
Tot Ion:240 Resp: 164127  
Ion Ratio Lower Upper  
240 100  
120 7.3 5.8 8.6  
236 24.1 21.2 31.8



#78  
Terphenyl-d14  
Concen: 94.73 ng  
RT: 20.02 min Scan# 2924  
Delta R.T. -0.00 min  
Lab File: BG019153.D  
Acq: 12 Oct 2015 9:14

Tgt Ion:244 Resp: 588600  
Ion Ratio Lower Upper  
244 100  
212 8.6 6.8 10.2  
122 8.5 7.4 11.2





#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 24.90 min Scan# 3755  
Delta R.T. -0.01 min  
Lab File: BG019153.D  
Acq: 12 Oct 2015 9:14

Instrument :  
BNA\_G  
ClientSampleId :  
MW25

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.3  | 20.1  | 30.1  |
| 265     | 20.2  | 17.2  | 25.8  |

