

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021816\  
 Data File : BG020948.D  
 Acq On : 18 Feb 2016 23:06  
 Operator : SJ/UM  
 Sample : H1450-08  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 FB

Quant Time: Feb 18 23:50:32 2016  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG021116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Feb 11 15:26:53 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.26  | 152  | 21330    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 11.08 | 136  | 103783   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10        | 14.87 | 164  | 65819    | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10        | 17.61 | 188  | 149615   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 21.88 | 240  | 135588   | 20.00  | ng    | -0.03    |
| 86) Perylene-d12            | 25.24 | 264  | 126795   | 20.00  | ng    | -0.05    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.79  | 112  | 85599    | 67.58  | ng    | -0.01    |
| 7) Phenol-d6                | 7.40  | 99   | 73364    | 39.63  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 9.43  | 82   | 159034   | 100.75 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 16.35 | 330  | 120199   | 185.70 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 13.50 | 172  | 470724   | 100.46 | ng    | -0.01    |
| 78) Terphenyl-d14           | 20.19 | 244  | 625357   | 107.60 | ng    | -0.02    |

Target Compounds Qvalue

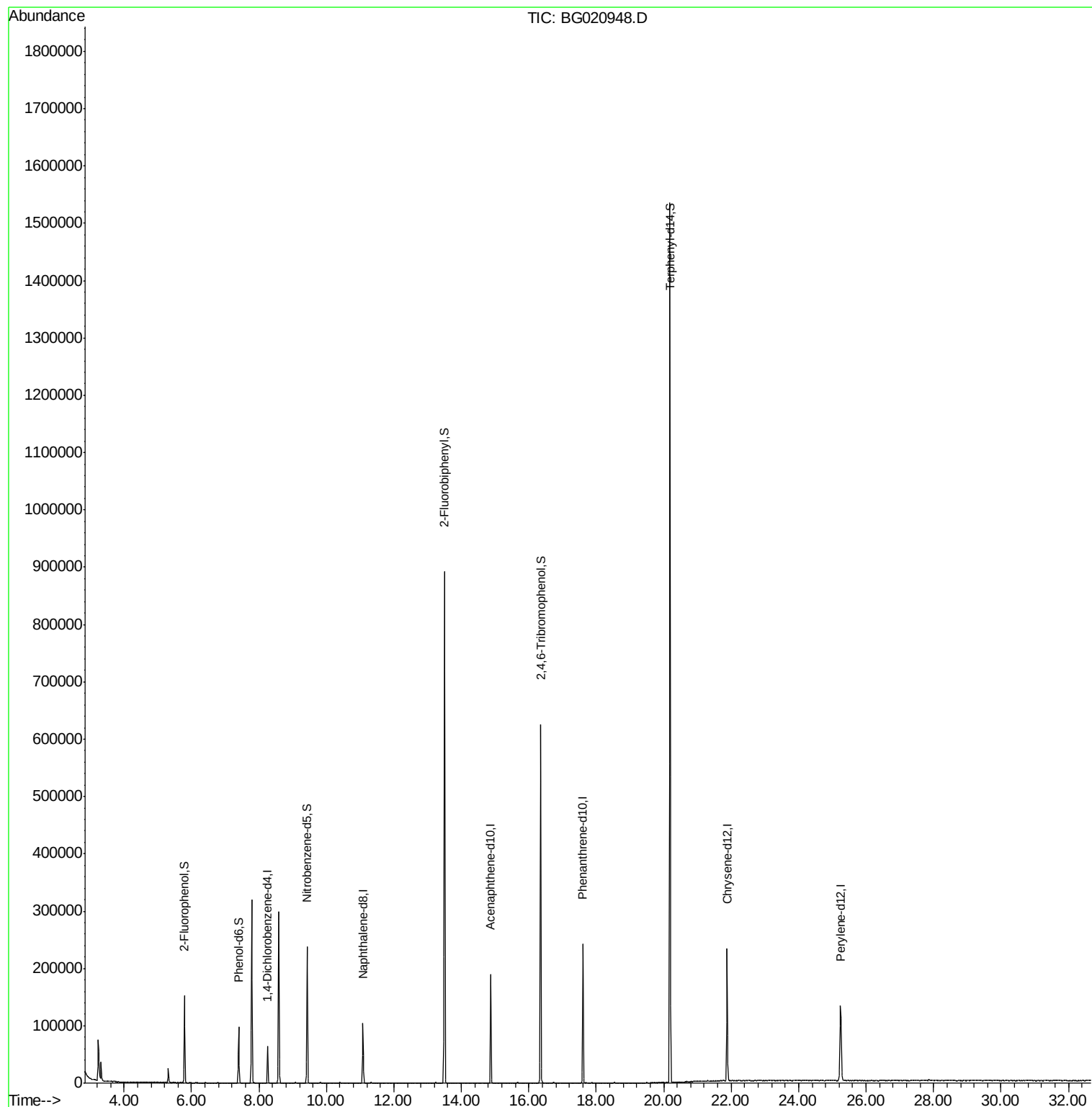
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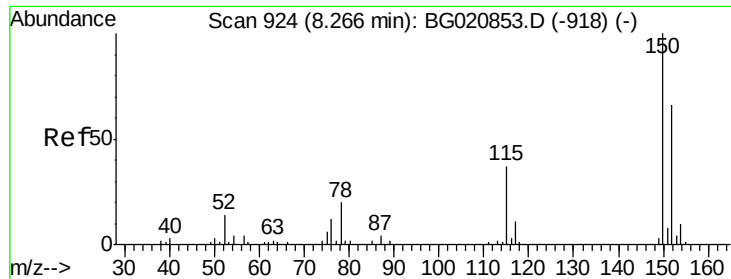
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
FB

Quant Time: Feb 18 23:50:32 2016  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG021116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Feb 11 15:26:53 2016  
Response via : Initial Calibration



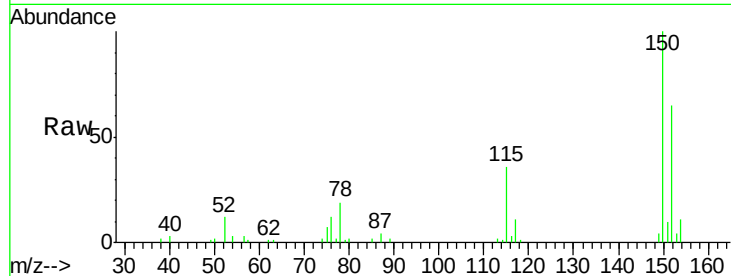


#1

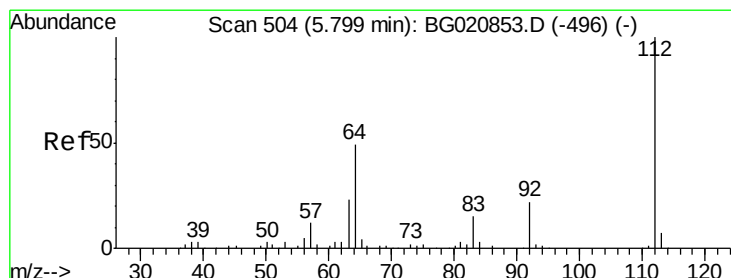
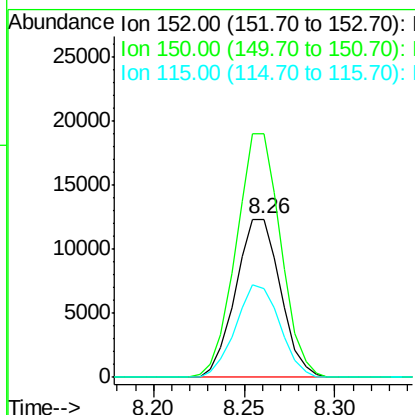
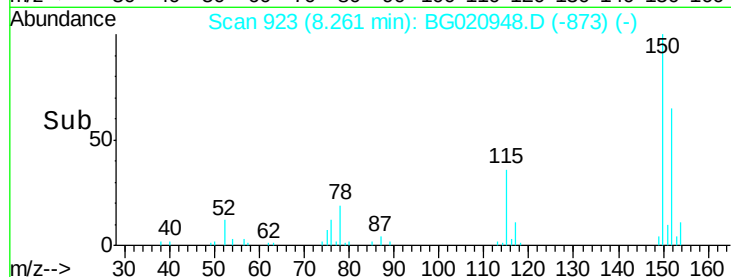
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.26 min Scan# 923  
Delta R.T. -0.01 min  
Lab File: BG020948.D  
Acq: 18 Feb 2016 23:06

Instrument :  
BNA\_G  
ClientSampled :  
FB

Tot Ion:152 Resp: 21330  
Ion Ratio Lower Upper  
152 100  
150 153.7 122.0 183.0  
115 55.8 45.2 67.8



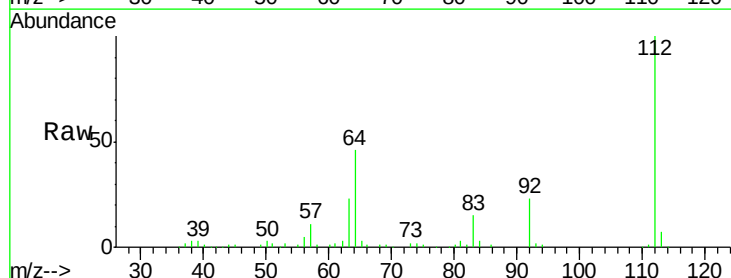
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



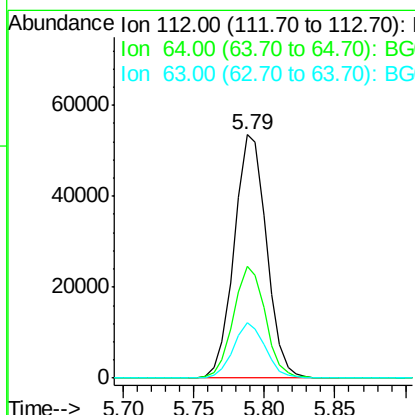
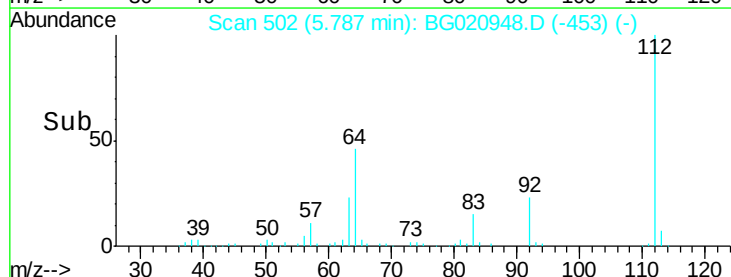
#5

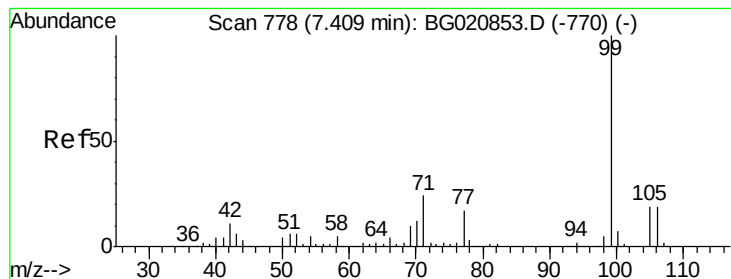
2-Fluorophenol  
Concen: 67.58 ng  
RT: 5.79 min Scan# 502  
Delta R.T. -0.01 min  
Lab File: BG020948.D  
Acq: 18 Feb 2016 23:06

Tgt Ion:112 Resp: 85599  
Ion Ratio Lower Upper  
112 100  
64 45.7 39.3 58.9  
63 22.9 18.2 27.4



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: 39.63 ng

RT: 7.40 min Scan# 776

Delta R.T. -0.01 min

Lab File: BG020948.D

Acq: 18 Feb 2016 23:06

Instrument :

BNA\_G

ClientSampled :

FB

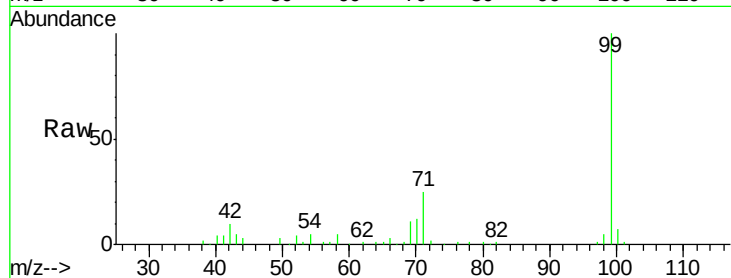
Tot Ion: 99 Resp: 73364

Ion Ratio Lower Upper

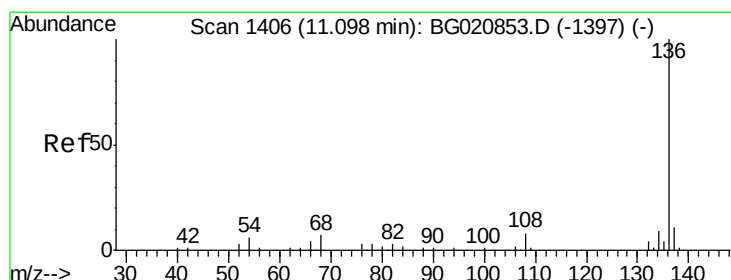
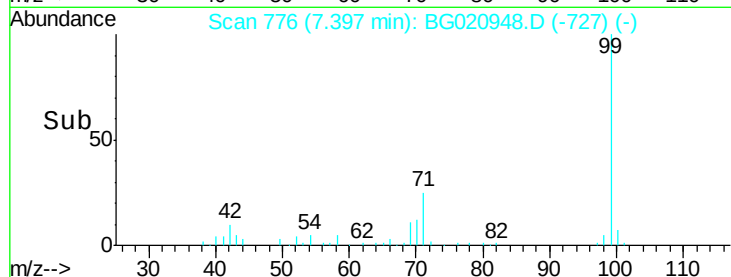
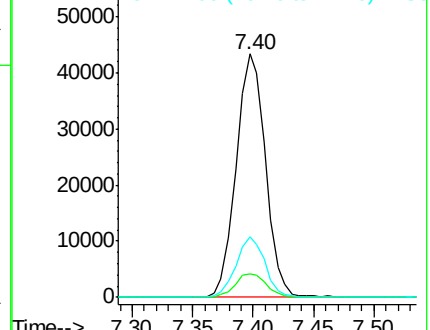
99 100

42 9.8 8.4 12.6

71 24.9 19.4 29.0



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: 11.08 min Scan# 1403

Delta R.T. -0.02 min

Lab File: BG020948.D

Acq: 18 Feb 2016 23:06

Tgt Ion: 136 Resp: 103783

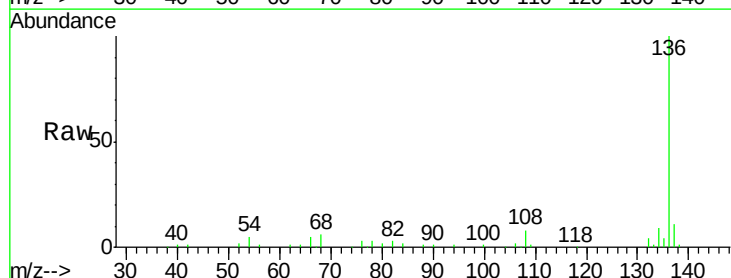
Ion Ratio Lower Upper

136 100

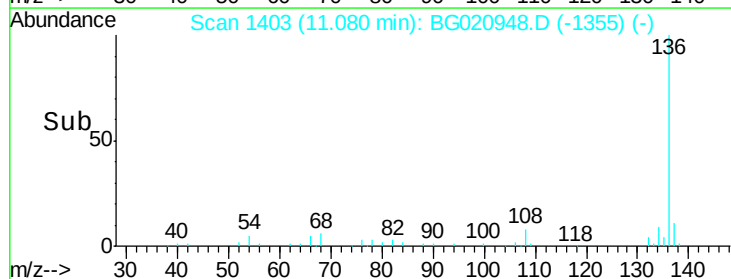
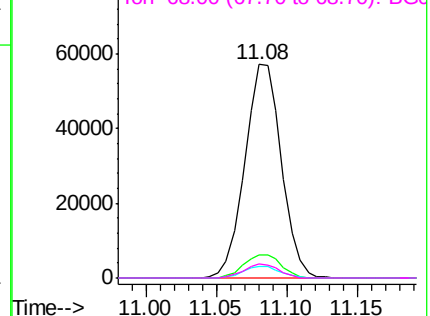
137 11.0 8.8 13.2

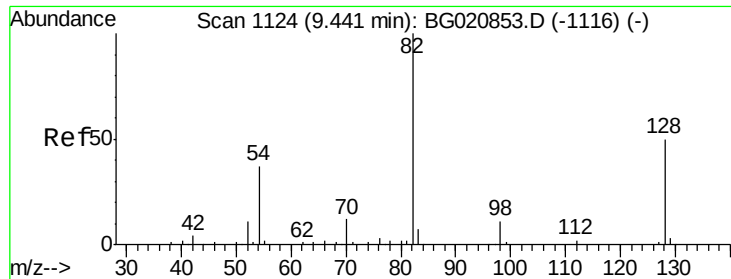
54 5.5 5.0 7.4

68 6.4 5.2 7.8



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

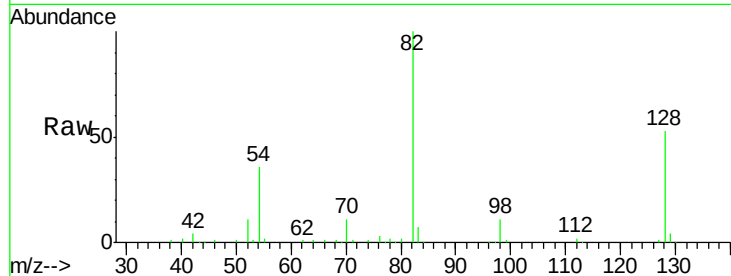




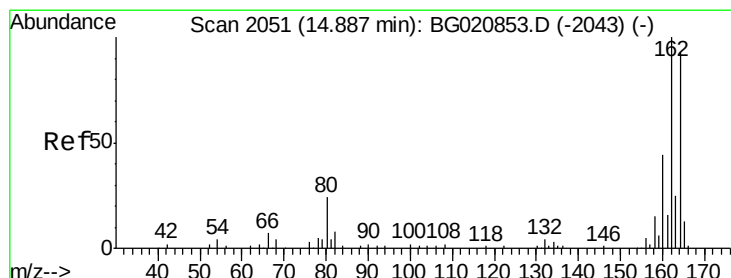
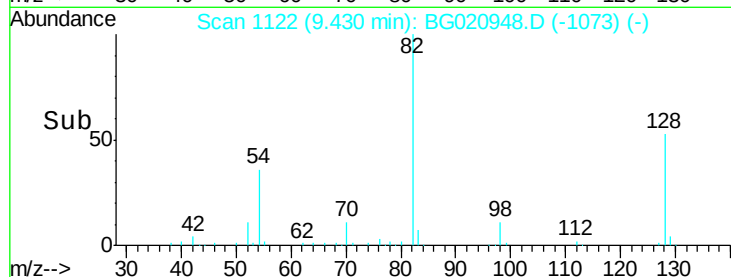
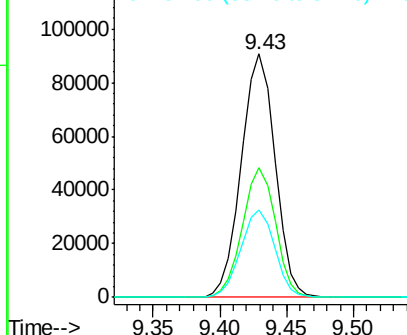
#23  
Nitrobenzene-d5  
Concen: 100.75 ng  
RT: 9.43 min Scan# 1122  
Delta R.T. -0.01 min  
Lab File: BG020948.D  
Acq: 18 Feb 2016 23:06

Instrument :  
BNA\_G  
ClientSampleId :  
FB

Tot Ion: 82 Resp: 159034  
Ion Ratio Lower Upper  
82 100  
128 53.1 40.1 60.1  
54 35.8 29.5 44.3

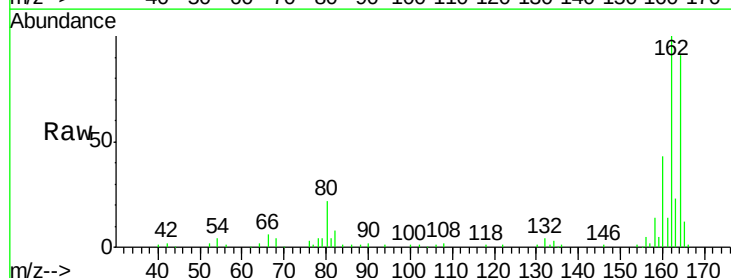


Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 128.00 (127.70 to 128.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC

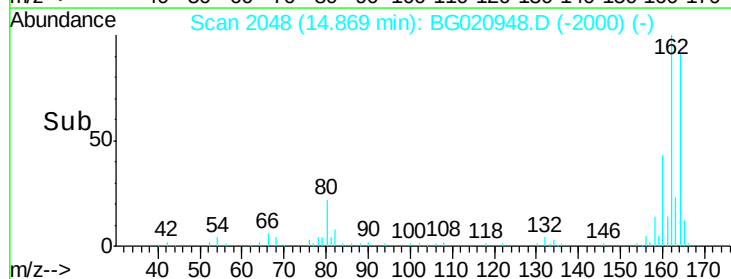
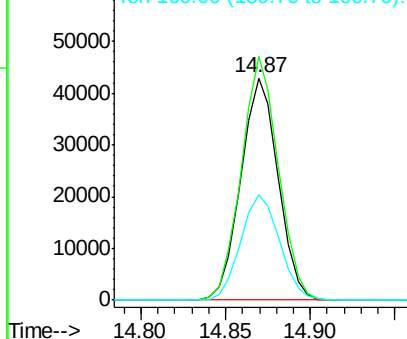


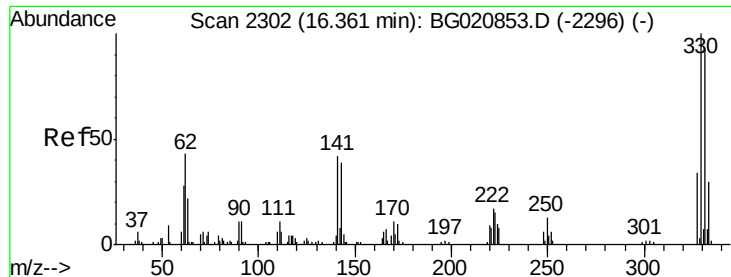
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.87 min Scan# 2048  
Delta R.T. -0.02 min  
Lab File: BG020948.D  
Acq: 18 Feb 2016 23:06

Tgt Ion:164 Resp: 65819  
Ion Ratio Lower Upper  
164 100  
162 109.6 85.7 128.5  
160 47.4 37.4 56.0



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

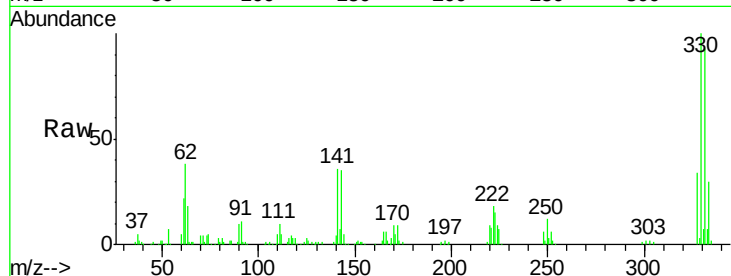




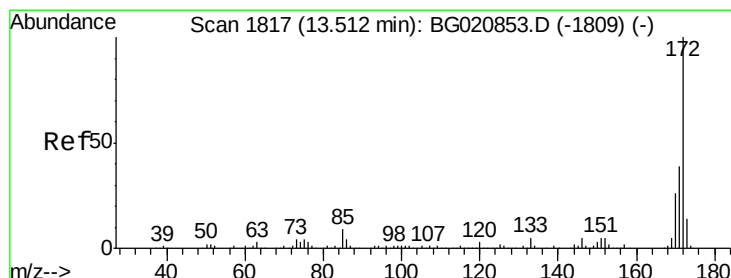
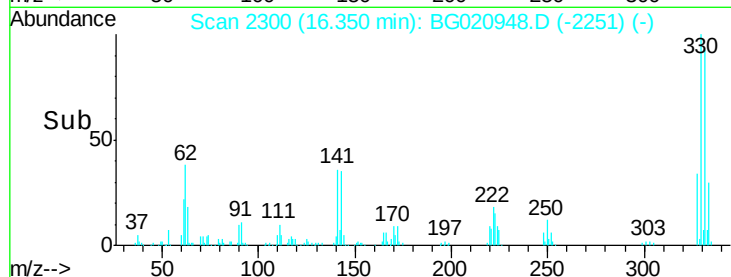
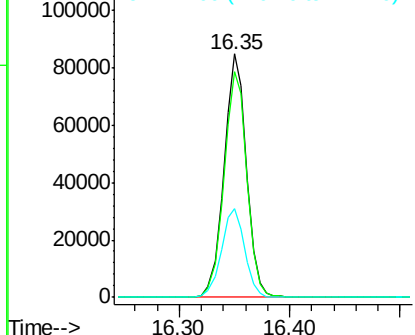
#41  
 2,4,6-Tribromophenol  
 Concen: 185.70 ng  
 RT: 16.35 min Scan# 2300  
 Delta R.T. -0.01 min  
 Lab File: BG020948.D  
 Acq: 18 Feb 2016 23:06

Instrument :  
 BNA\_G  
 ClientSampled :  
 FB

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 94.7  | 76.1  | 114.1 |
| 141     | 37.5  | 32.0  | 48.0  |

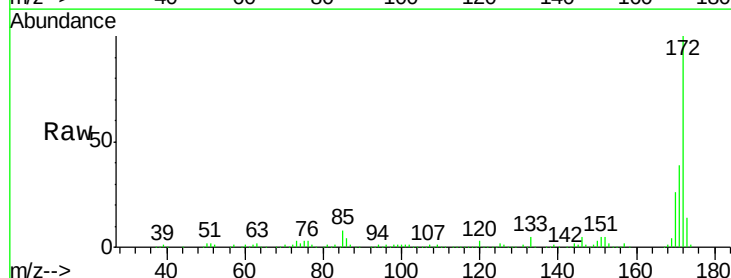


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

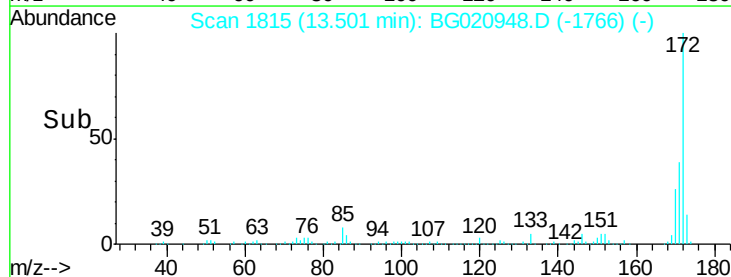
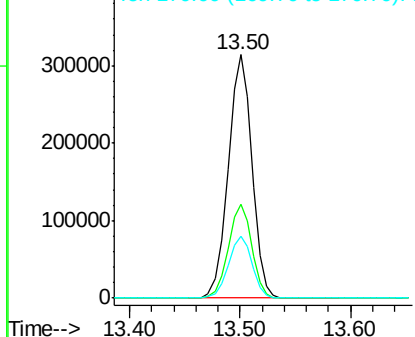


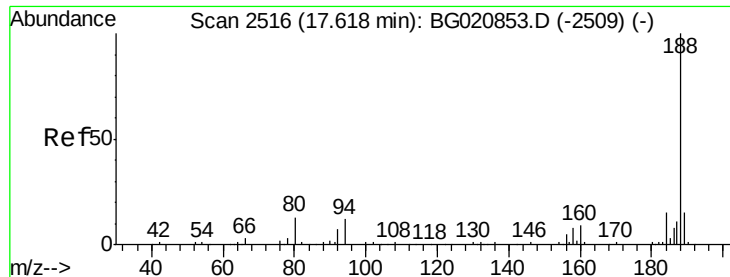
#44  
 2-Fluorobiphenyl  
 Concen: 100.46 ng  
 RT: 13.50 min Scan# 1815  
 Delta R.T. -0.01 min  
 Lab File: BG020948.D  
 Acq: 18 Feb 2016 23:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 38.7  | 31.2  | 46.8  |
| 170     | 25.6  | 20.6  | 30.8  |



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

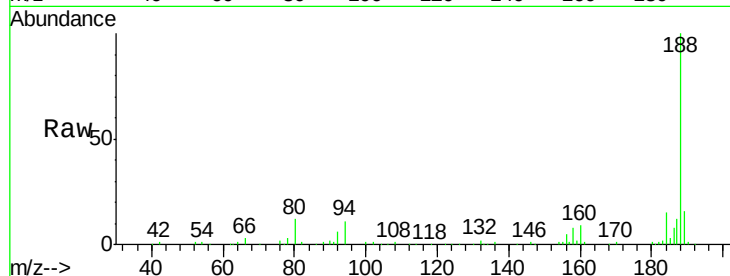




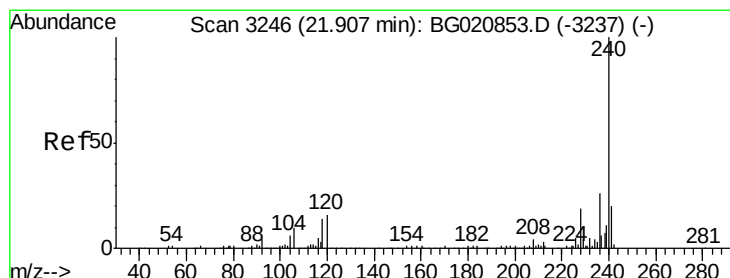
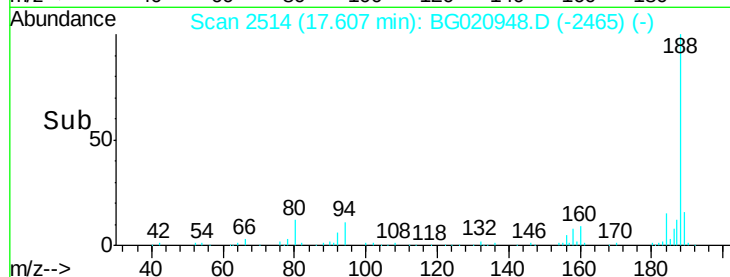
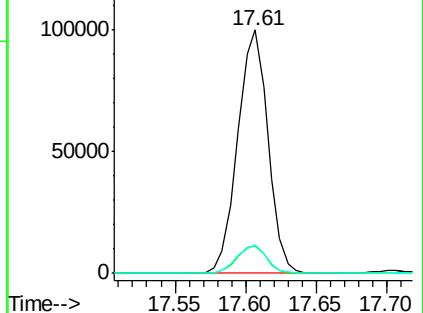
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.61 min Scan# 2514  
Delta R.T. -0.01 min  
Lab File: BG020948.D  
Acq: 18 Feb 2016 23:06

Instrument :  
BNA\_G  
ClientSampled :  
FB

Tot Ion:188 Resp: 149615  
Ion Ratio Lower Upper  
188 100  
94 11.3 9.4 14.0  
80 11.5 10.2 15.4

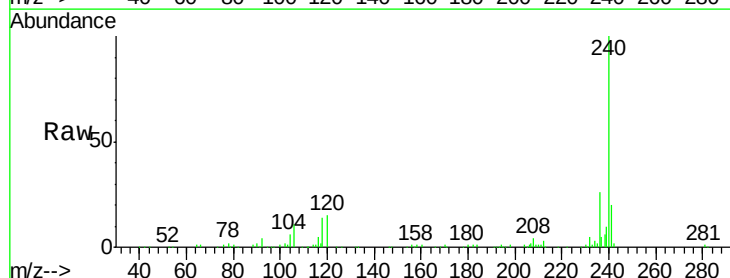


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGC  
Ion 80.00 (79.70 to 80.70): BGC

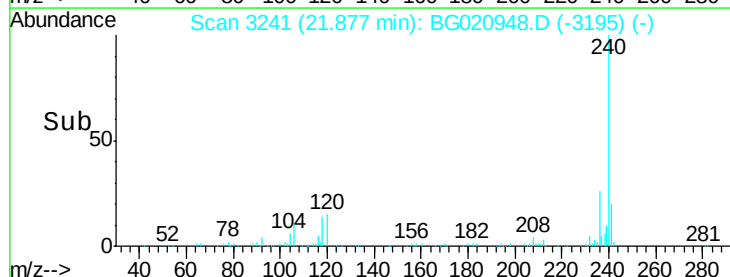
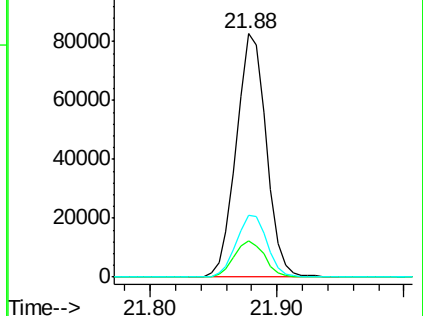


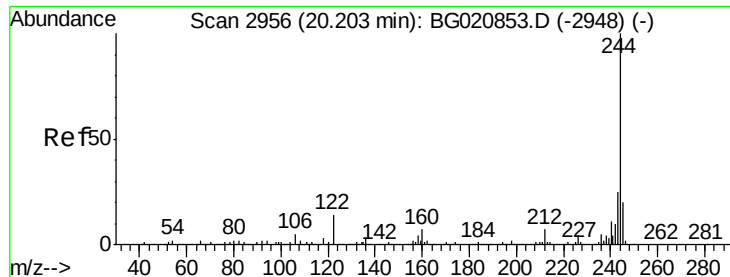
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.88 min Scan# 3241  
Delta R.T. -0.03 min  
Lab File: BG020948.D  
Acq: 18 Feb 2016 23:06

Tgt Ion:240 Resp: 135588  
Ion Ratio Lower Upper  
240 100  
120 14.6 13.0 19.4  
236 25.7 21.0 31.4



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: 107.60 ng

RT: 20.19 min Scan# 2953

Delta R.T. -0.02 min

Lab File: BG020948.D

Acq: 18 Feb 2016 23:06

Instrument :

BNA\_G

ClientSampleId :

FB

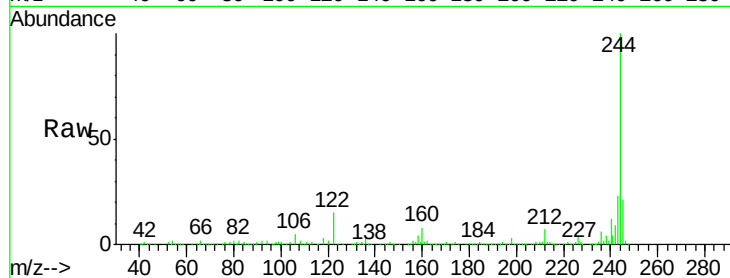
Tot Ion:244 Resp: 625357

Ion Ratio Lower Upper

244 100

212 7.3 5.5 8.3

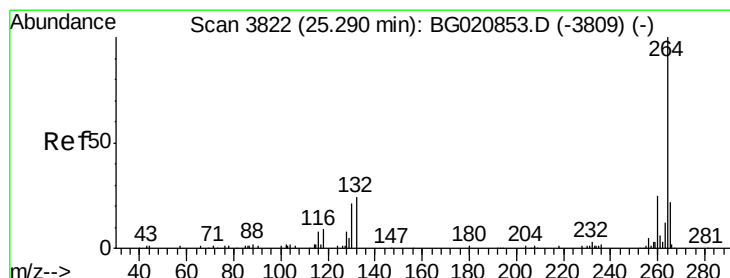
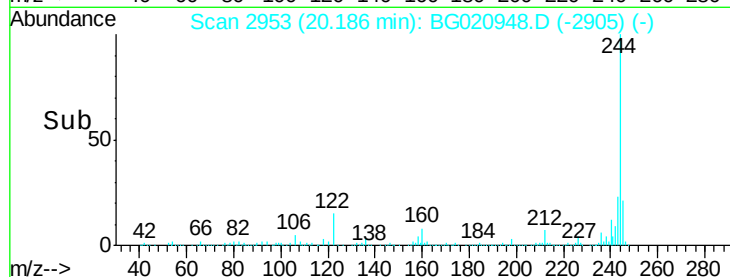
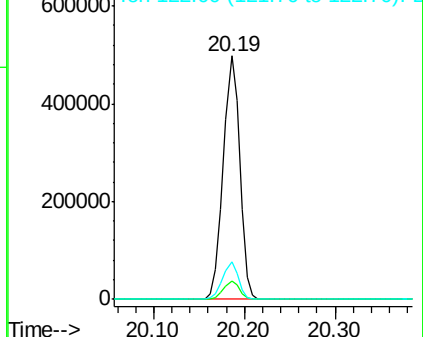
122 15.2 11.4 17.2



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: 25.24 min Scan# 3814

Delta R.T. -0.05 min

Lab File: BG020948.D

Acq: 18 Feb 2016 23:06

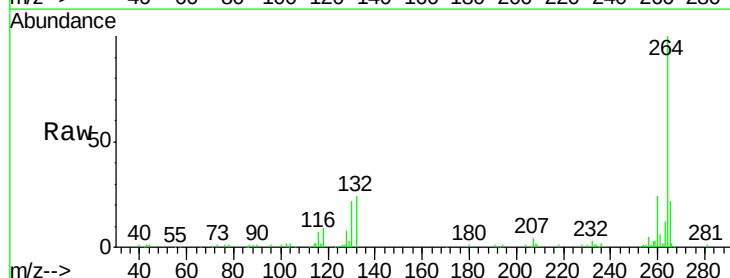
Tgt Ion:264 Resp: 126795

Ion Ratio Lower Upper

264 100

260 23.9 19.9 29.9

265 22.1 18.0 27.0



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

