

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG021116\  
 Data File : BG020888.D  
 Acq On : 12 Feb 2016 11:46  
 Operator : SJ/UM  
 Sample : H1408-07  
 Misc :  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Feb 12 12:28:21 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

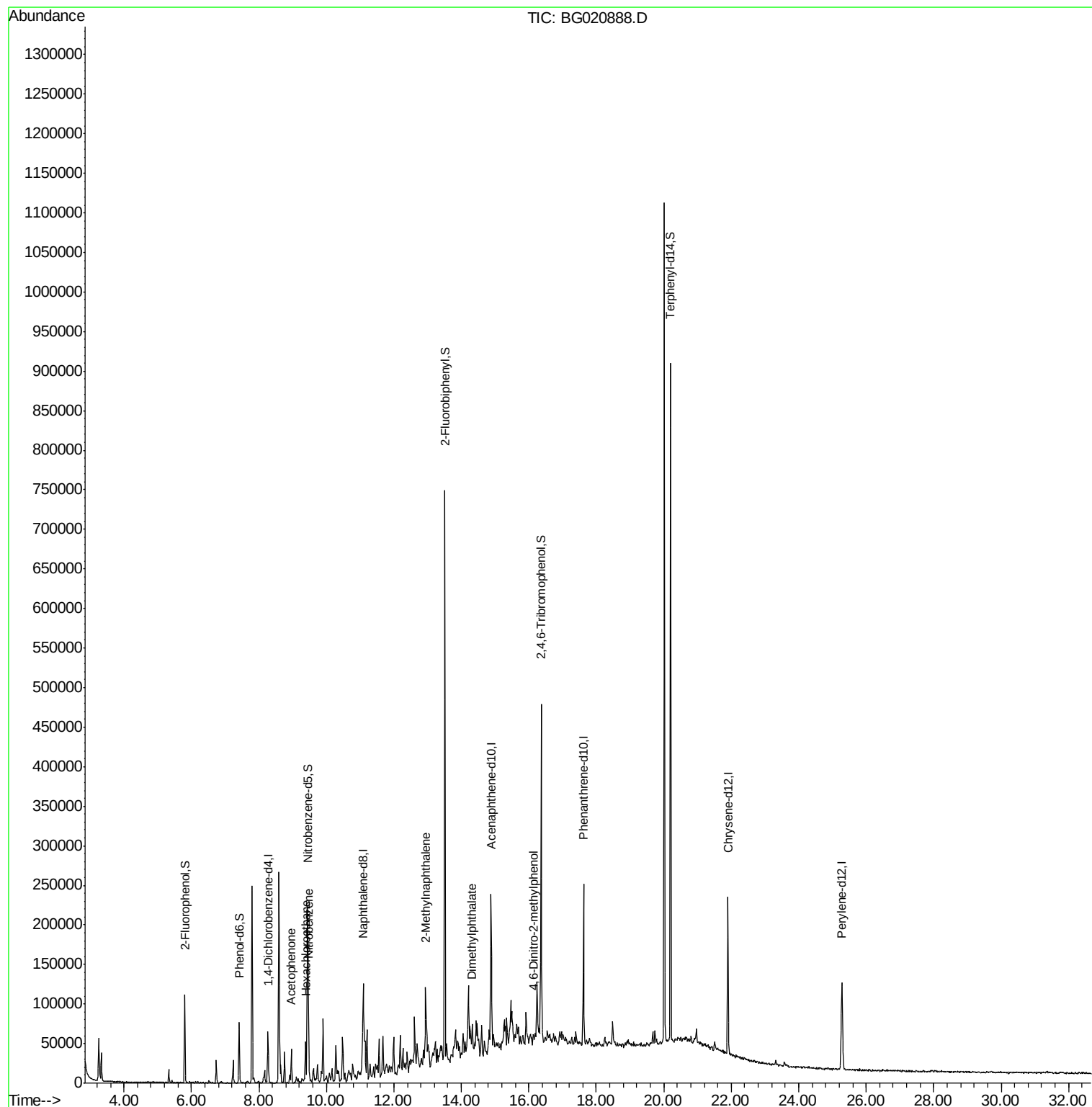
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.27  | 152  | 20095    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 11.09 | 136  | 102726   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 14.88 | 164  | 67413    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 17.62 | 188  | 118414   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 21.90 | 240  | 111773   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 25.28 | 264  | 106821   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.80  | 112  | 62298    | 52.21  | ng    | 0.00     |
| 7) Phenol-d6                   | 7.41  | 99   | 54175    | 31.06  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 9.44  | 82   | 142397   | 91.14  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 16.36 | 330  | 77014    | 116.17 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 13.51 | 172  | 377077   | 78.57  | ng    | 0.00     |
| 78) Terphenyl-d14              | 20.20 | 244  | 366612   | 76.52  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 18) Hexachloroethane           | 9.38  | 117  | 15884    | 28.91  | ng    | # 48     |
| 22) Acetophenone               | 8.96  | 105  | 13990    | 5.65   | ng    | # 73     |
| 24) Nitrobenzene               | 9.47  | 77   | 3598     | 2.21   | ng    | # 13     |
| 37) 2-Methylnaphthalene        | 12.94 | 142  | 42700    | 11.45  | ng    | 94       |
| 49) Dimethylphthalate          | 14.32 | 163  | 25857    | 4.91   | ng    | 99       |
| 64) 4,6-Dinitro-2-methylphenol | 16.13 | 198  | 59       | 5.60   | ng    | # 1      |

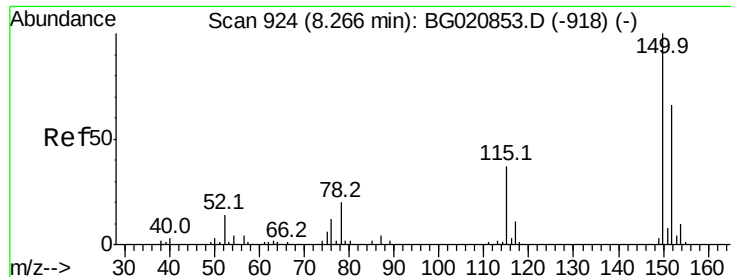
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 35 Sample Multiplier: 1

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BNA\_G  
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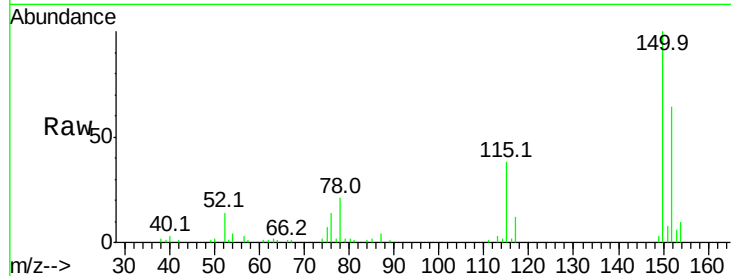


#1

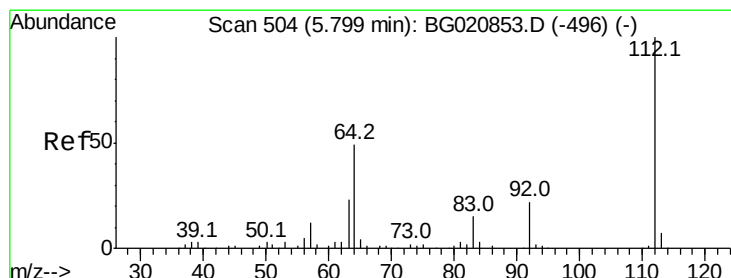
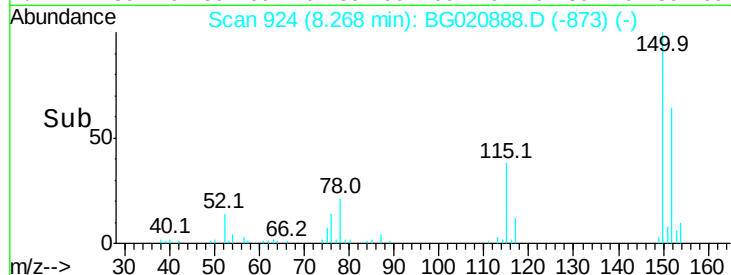
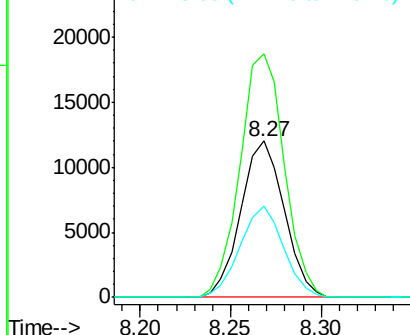
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.27 min Scan# 924  
Delta R.T. 0.00 min  
Lab File: BG020888.D  
Acq: 12 Feb 2016 11:46

Instrument :  
BNA\_G  
ClientSampled :

Tot Ion:152 Resp: 20095  
Ion Ratio Lower Upper  
152 100  
150 155.9 122.0 183.0  
115 58.8 45.2 67.8



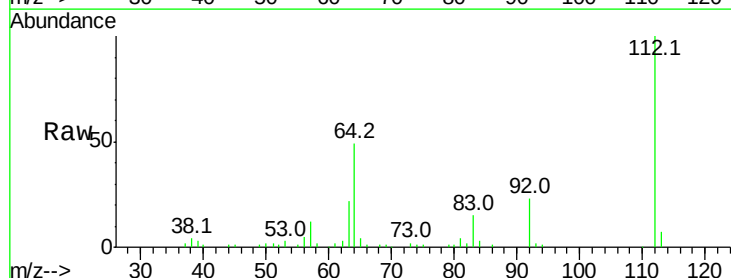
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



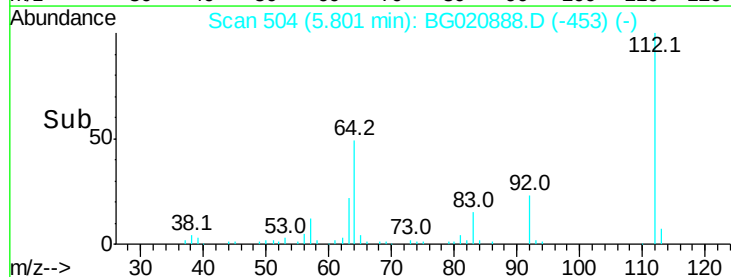
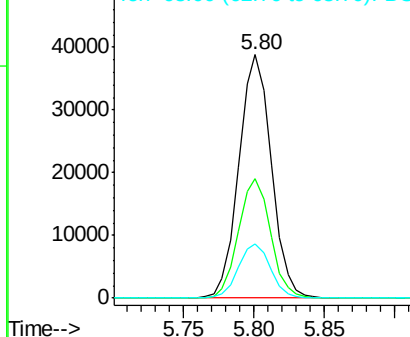
#5

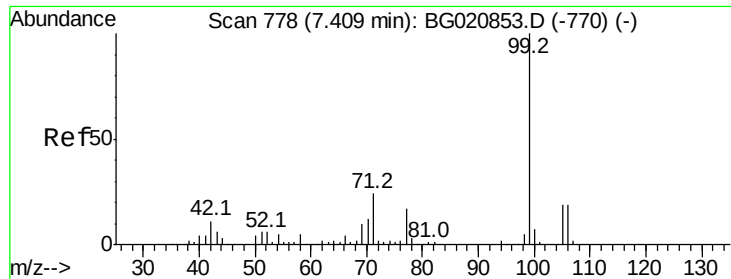
2-Fluorophenol  
Concen: 52.21 ng  
RT: 5.80 min Scan# 504  
Delta R.T. 0.00 min  
Lab File: BG020888.D  
Acq: 12 Feb 2016 11:46

Tgt Ion:112 Resp: 62298  
Ion Ratio Lower Upper  
112 100  
64 49.0 39.3 58.9  
63 22.4 18.2 27.4



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BG  
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 31.06 ng

RT: 7.41 min Scan# 778

Delta R.T. 0.00 min

Lab File: BG020888.D

Acq: 12 Feb 2016 11:46

Instrument :

BNA\_G

ClientSampleId :

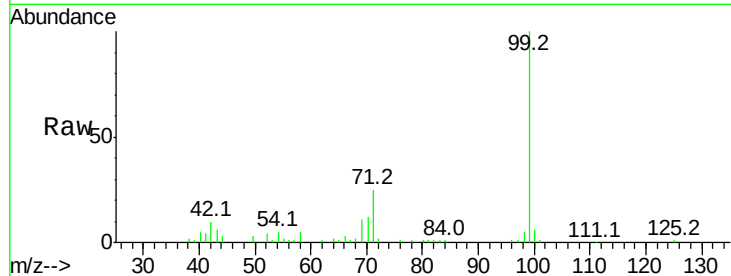
Tot Ion: 99 Resp: 54175

Ion Ratio Lower Upper

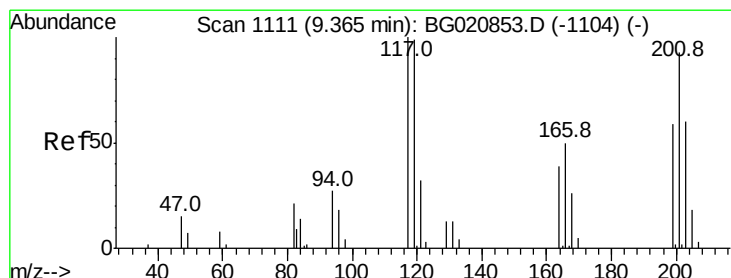
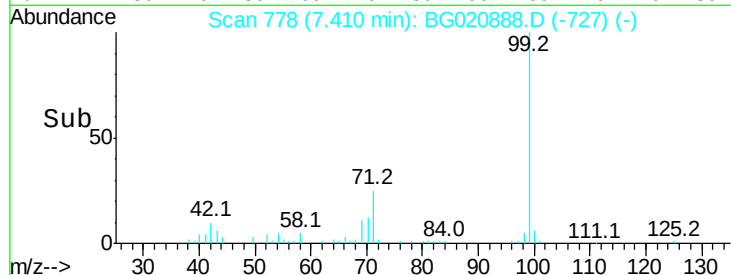
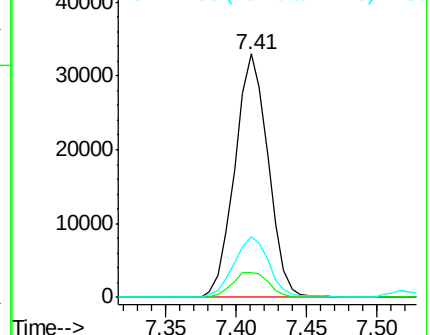
99 100

42 10.3 8.4 12.6

71 25.1 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



#18

Hexachloroethane

Concen: 28.91 ng

RT: 9.38 min Scan# 1114

Delta R.T. 0.02 min

Lab File: BG020888.D

Acq: 12 Feb 2016 11:46

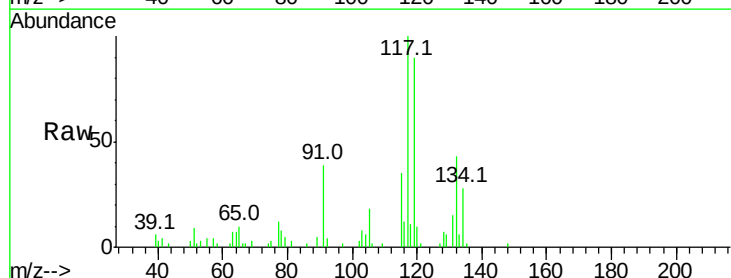
Tgt Ion: 117 Resp: 15884

Ion Ratio Lower Upper

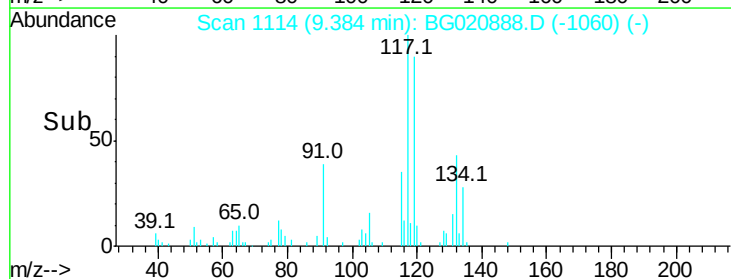
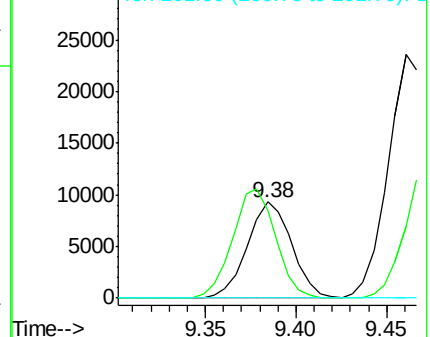
117 100

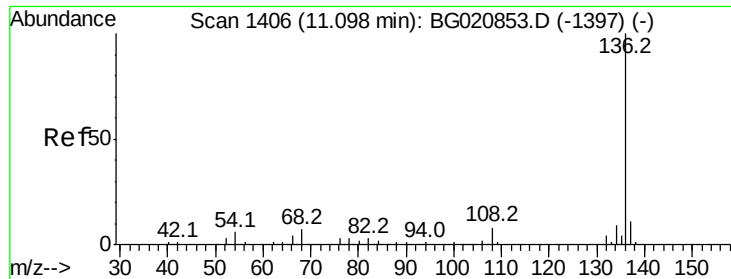
119 90.3 79.6 119.4

201 0.0 74.5 111.7#



Abundance Ion 117.00 (116.70 to 117.70): E  
Ion 119.00 (118.70 to 119.70): E  
Ion 201.00 (200.70 to 201.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.09 min Scan# 1405

Delta R.T. -0.00 min

Lab File: BG020888.D

Acq: 12 Feb 2016 11:46

Instrument :

BNA\_G

ClientSampleId :

Tot Ion:136 Resp: 102726

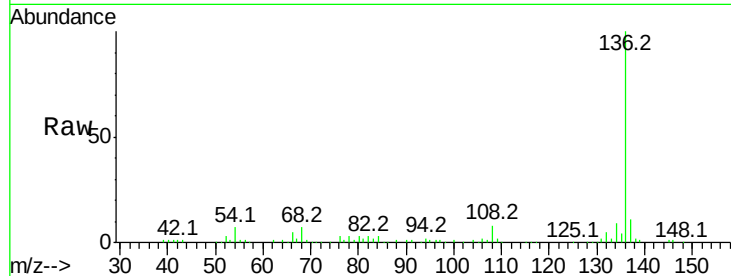
Ion Ratio Lower Upper

136 100

137 10.5 8.8 13.2

54 6.7 5.0 7.4

68 7.1 5.2 7.8

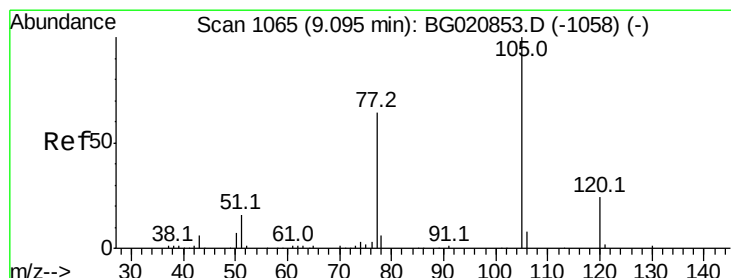
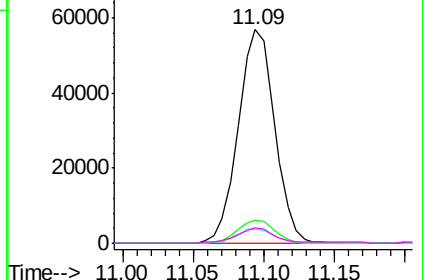
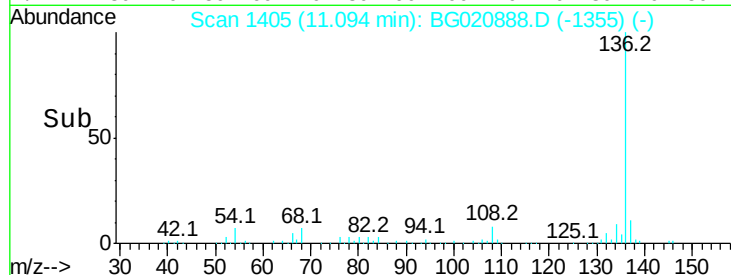


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#22

Acetophenone

Concen: 5.65 ng

RT: 8.96 min Scan# 1042

Delta R.T. -0.13 min

Lab File: BG020888.D

Acq: 12 Feb 2016 11:46

Tgt Ion:105 Resp: 13990

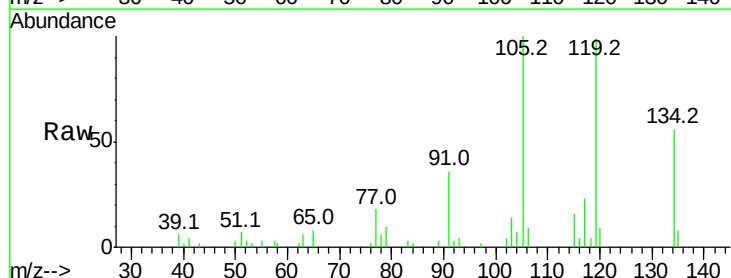
Ion Ratio Lower Upper

105 100

71 0.0 1.4 2.0#

51 7.0 13.7 20.5#

120 8.7 19.0 28.6#

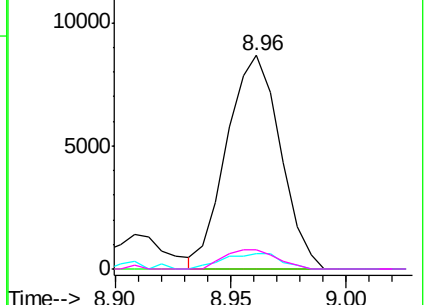
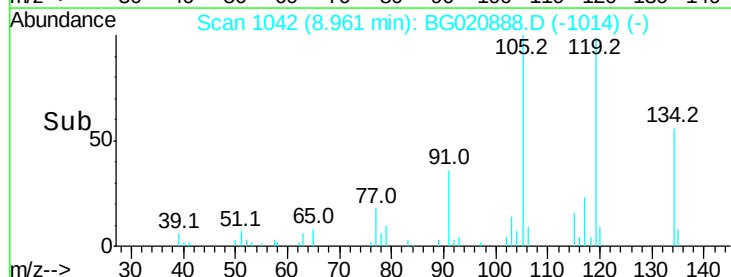


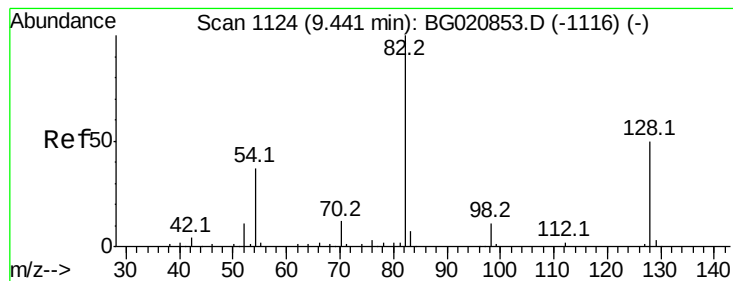
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 91.14 ng

RT: 9.44 min Scan# 1124

Delta R.T. 0.00 min

Lab File: BG020888.D

Acq: 12 Feb 2016 11:46

Instrument :

BNA\_G

ClientSampled :

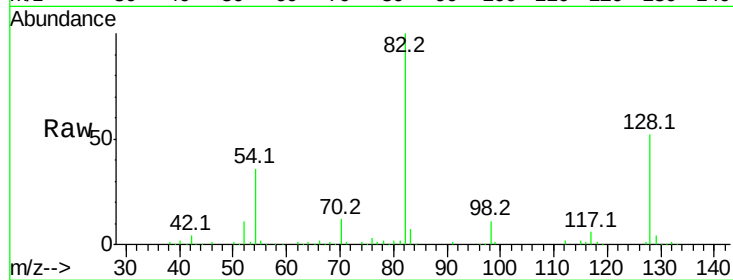
Tot Ion: 82 Resp: 142397

Ion Ratio Lower Upper

82 100

128 51.8 40.1 60.1

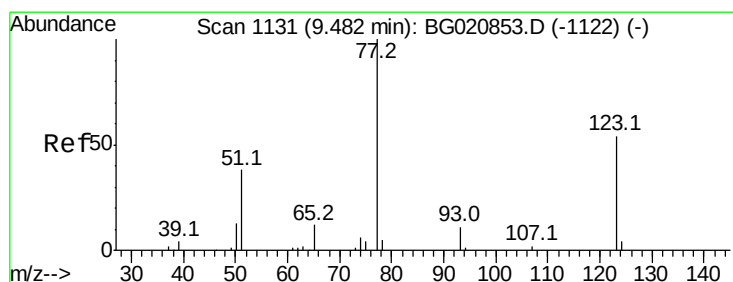
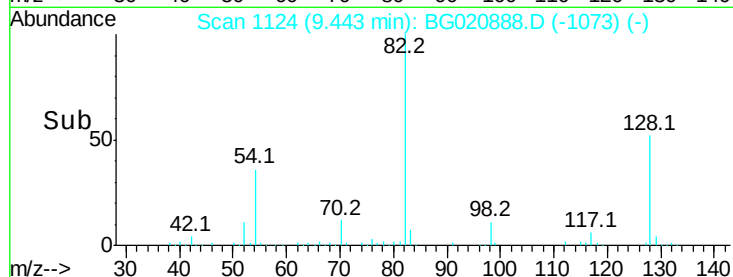
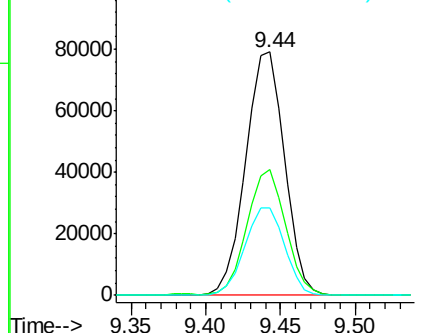
54 35.7 29.5 44.3



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



#24

Nitrobenzene

Concen: 2.21 ng

RT: 9.47 min Scan# 1129

Delta R.T. -0.01 min

Lab File: BG020888.D

Acq: 12 Feb 2016 11:46

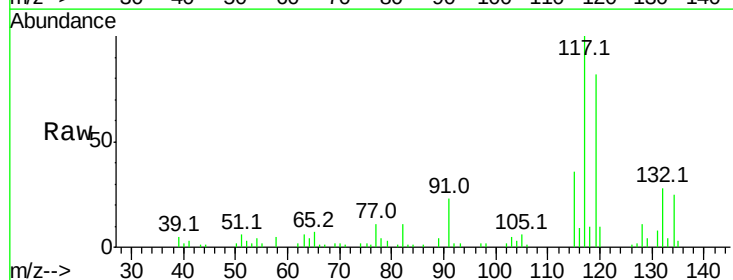
Tgt Ion: 77 Resp: 3598

Ion Ratio Lower Upper

77 100

123 0.0 43.2 64.8#

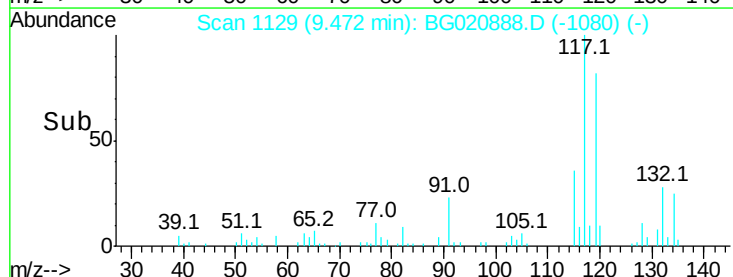
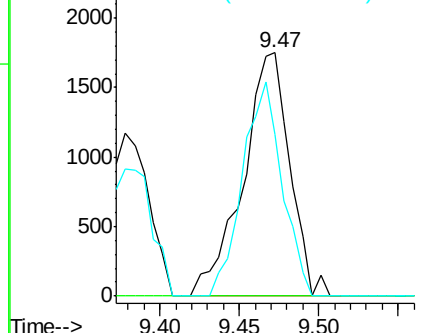
65 66.7 9.2 13.8#

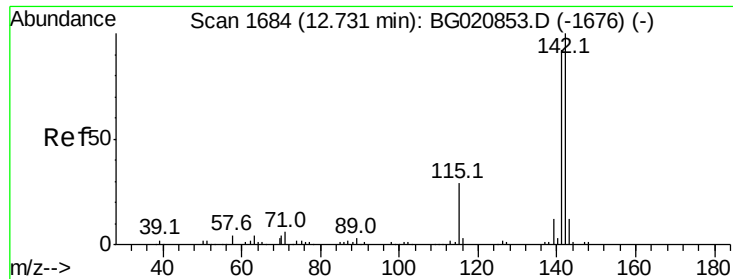


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 123.00 (122.70 to 123.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

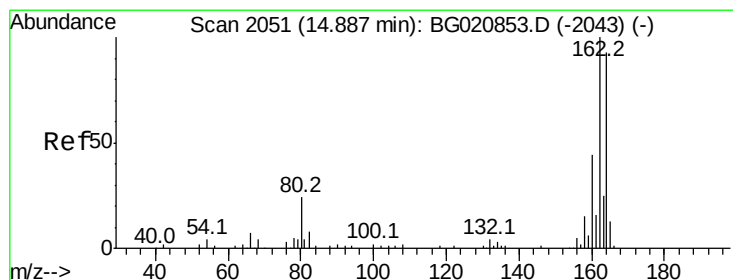
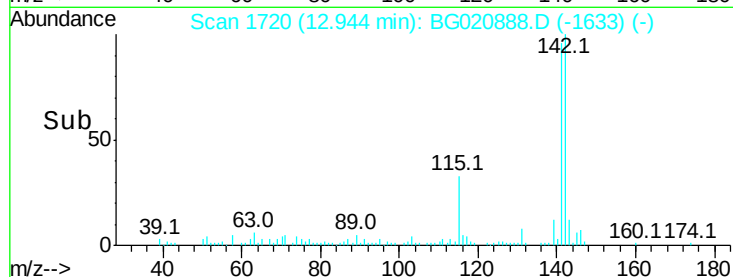
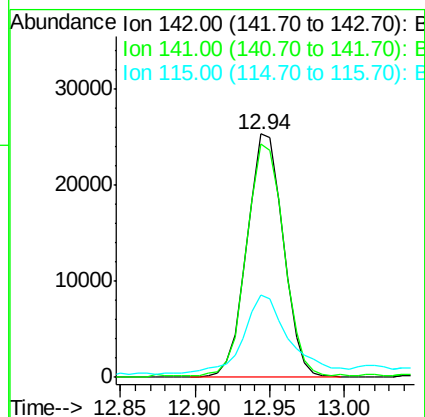
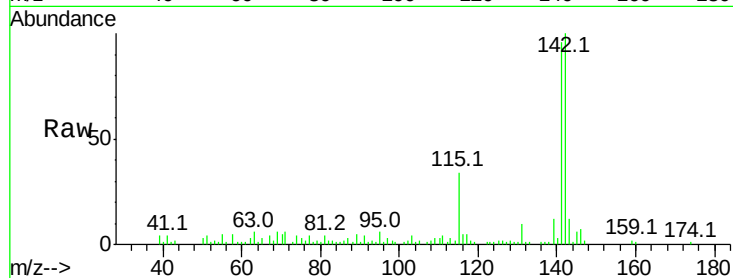




#37  
2-Methylnaphthalene  
Concen: 11.45 ng  
RT: 12.94 min Scan# 1720  
Delta R.T. 0.21 min  
Lab File: BG020888.D  
Acq: 12 Feb 2016 11:46

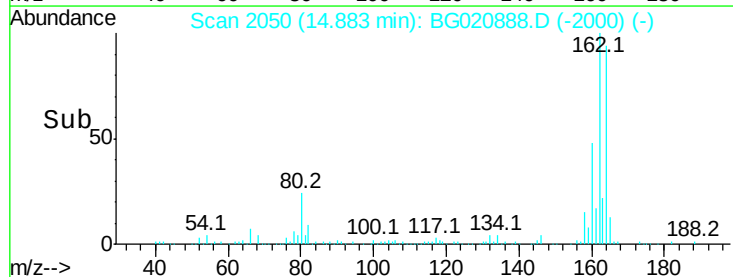
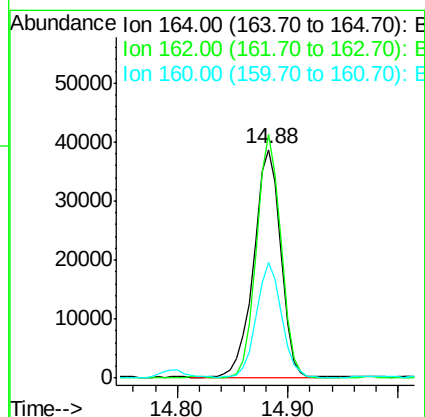
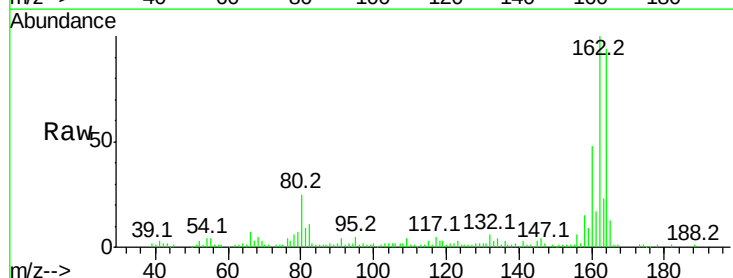
Instrument :  
BNA\_G  
ClientSampleId :

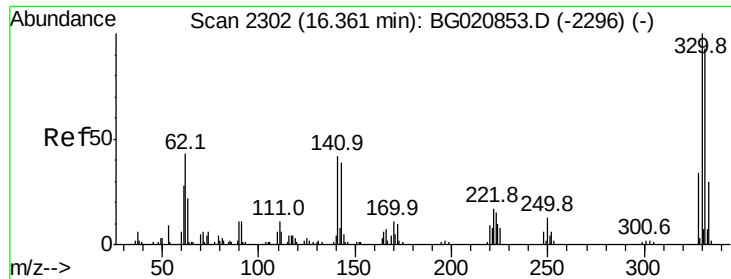
Tot Ion:142 Resp: 42700  
Ion Ratio Lower Upper  
142 100  
141 96.0 73.4 110.2  
115 33.9 23.0 34.6



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.88 min Scan# 2050  
Delta R.T. -0.00 min  
Lab File: BG020888.D  
Acq: 12 Feb 2016 11:46

Tgt Ion:164 Resp: 67413  
Ion Ratio Lower Upper  
164 100  
162 106.4 85.7 128.5  
160 50.7 37.4 56.0

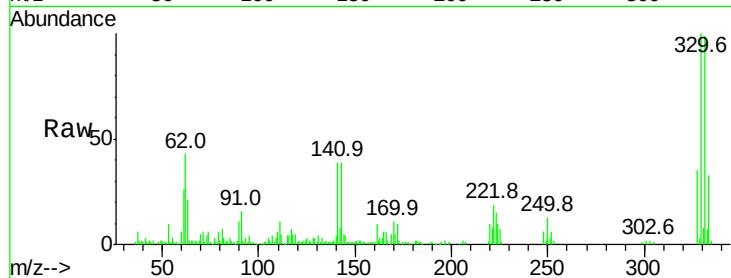




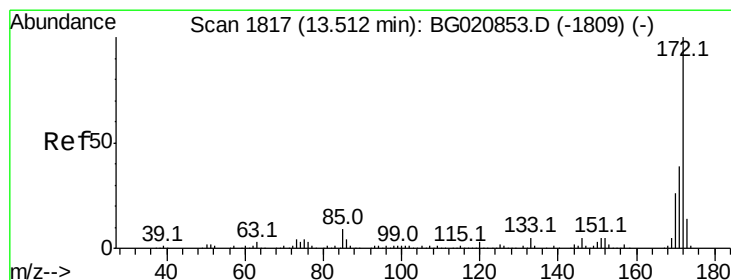
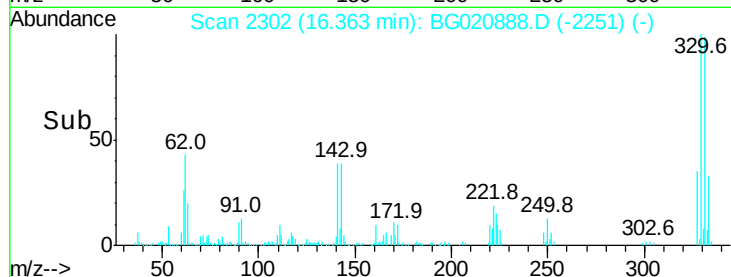
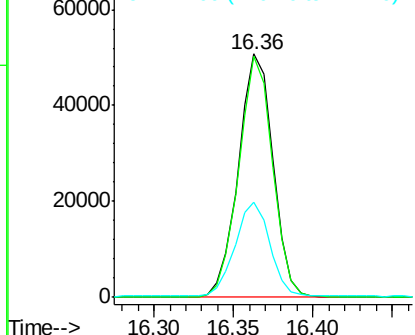
#41  
 2,4,6-Tribromophenol  
 Concen: 116.17 ng  
 RT: 16.36 min Scan# 2302  
 Delta R.T. 0.00 min  
 Lab File: BG020888.D  
 Acq: 12 Feb 2016 11:46

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:330 Resp: 77014  
 Ion Ratio Lower Upper  
 330 100  
 332 96.5 76.1 114.1  
 141 39.2 32.0 48.0

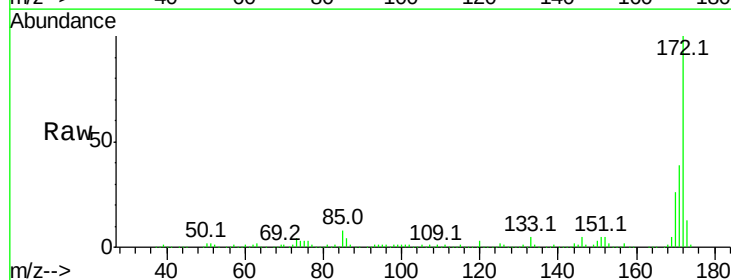


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

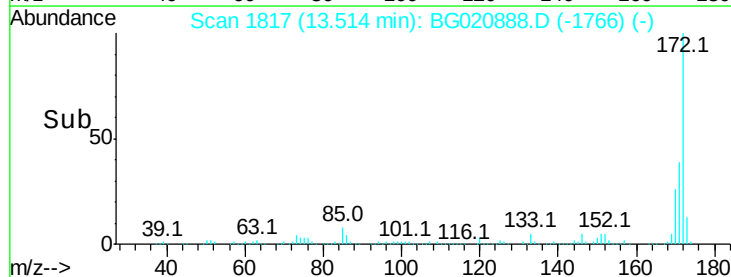
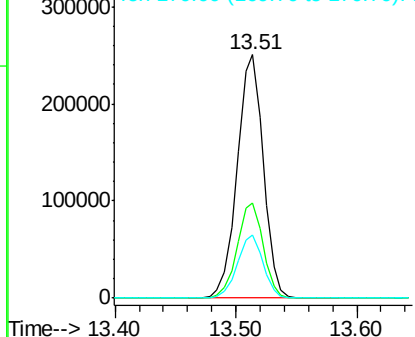


#44  
 2-Fluorobiphenyl  
 Concen: 78.57 ng  
 RT: 13.51 min Scan# 1817  
 Delta R.T. 0.00 min  
 Lab File: BG020888.D  
 Acq: 12 Feb 2016 11:46

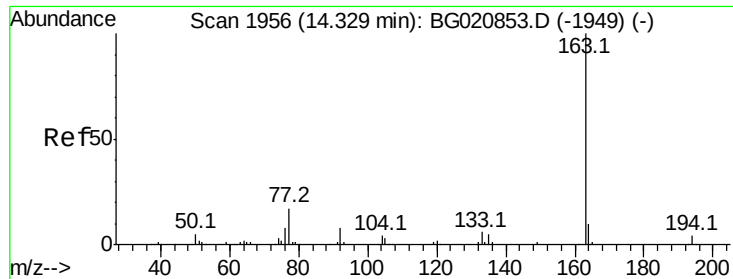
Tgt Ion:172 Resp: 377077  
 Ion Ratio Lower Upper  
 172 100  
 171 39.2 31.2 46.8  
 170 26.1 20.6 30.8



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







#49

Dimethylphthalate

Concen: 4.91 ng

RT: 14.32 min Scan# 1955

Delta R.T. -0.00 min

Lab File: BG020888.D

Acq: 12 Feb 2016 11:46

Instrument :

BNA\_G

ClientSampleId :

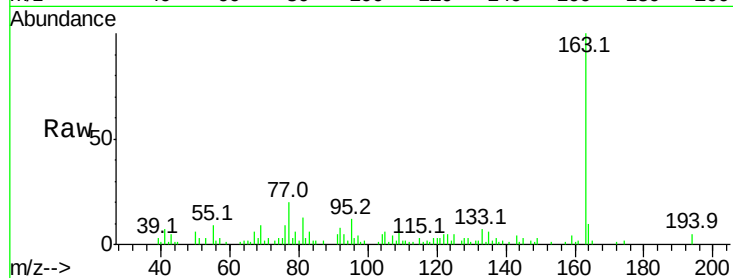
Tot Ion:163 Resp: 25857

Ion Ratio Lower Upper

163 100

194 4.6 3.1 4.7

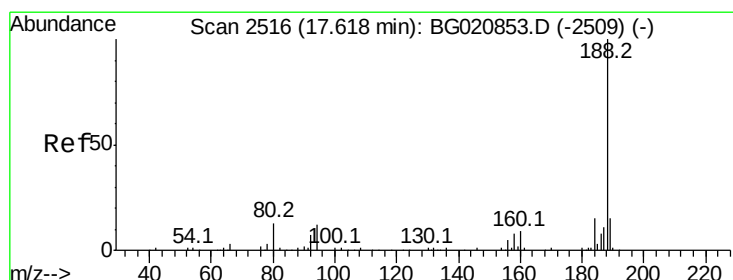
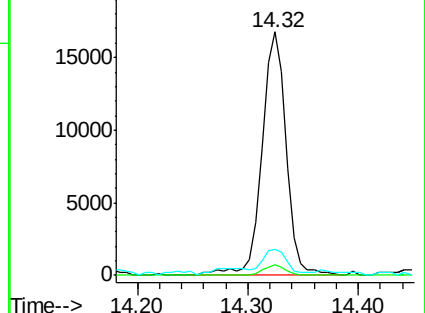
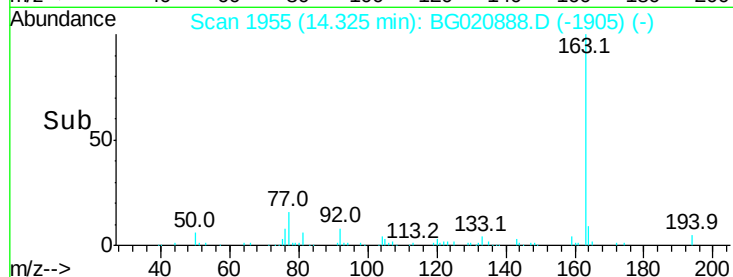
164 10.4 8.3 12.5



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: 17.62 min Scan# 2516

Delta R.T. 0.00 min

Lab File: BG020888.D

Acq: 12 Feb 2016 11:46

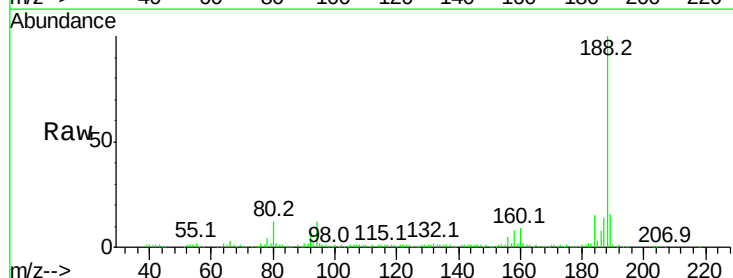
Tgt Ion:188 Resp: 118414

Ion Ratio Lower Upper

188 100

94 12.2 9.4 14.0

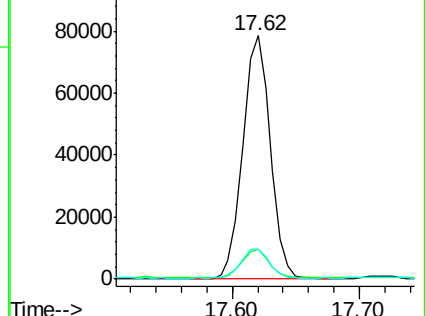
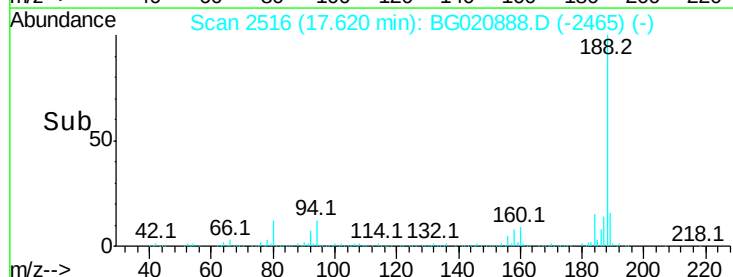
80 12.3 10.2 15.4

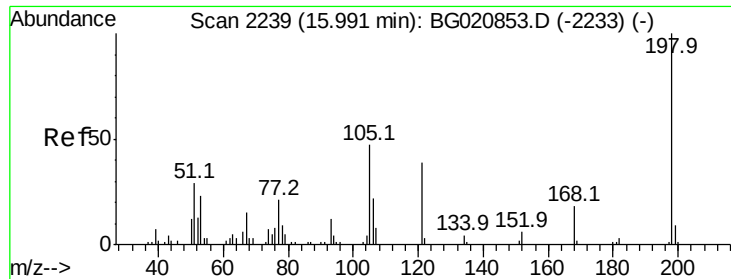


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#64

4,6-Dinitro-2-methylphenol

Concen: 5.60 ng

RT: 16.13 min Scan# 2262

Delta R.T. 0.14 min

Lab File: BG020888.D

Acq: 12 Feb 2016 11:46

Instrument :

BNA\_G

ClientSampled :

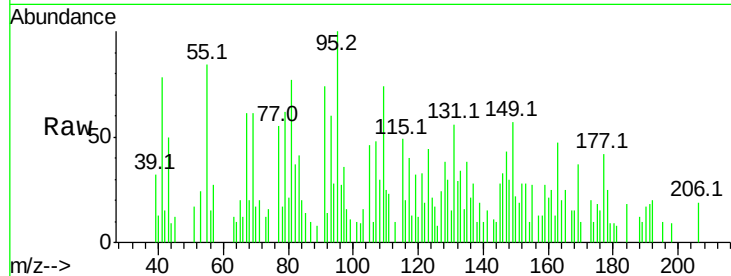
Tot Ion:198 Resp: 59

Ion Ratio Lower Upper

198 100

51 186.3 10.6 50.6#

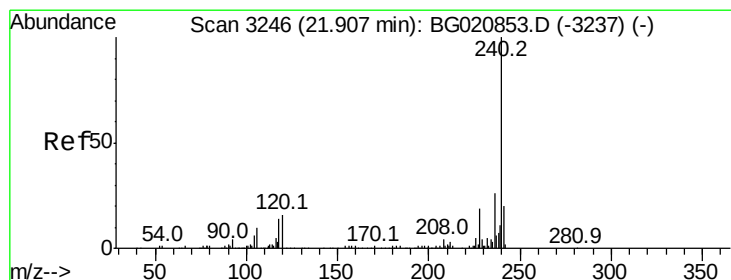
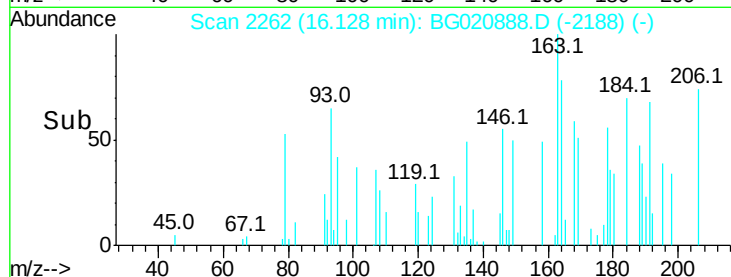
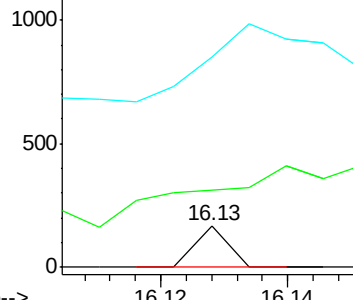
105 507.1 27.0 67.0#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.90 min Scan# 3245

Delta R.T. -0.00 min

Lab File: BG020888.D

Acq: 12 Feb 2016 11:46

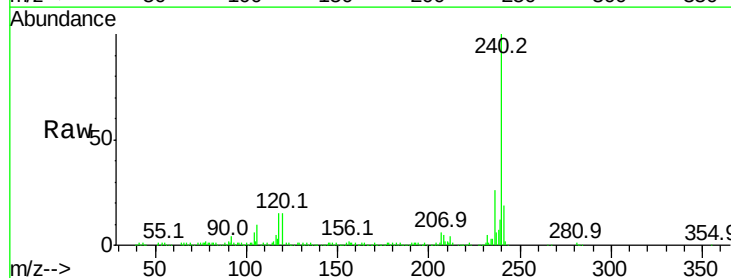
Tgt Ion:240 Resp: 111773

Ion Ratio Lower Upper

240 100

120 14.6 13.0 19.4

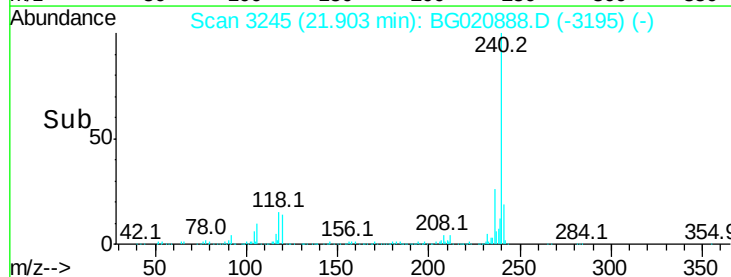
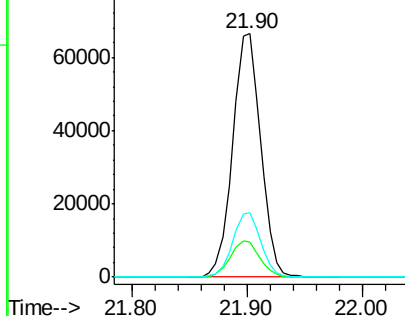
236 26.4 21.0 31.4

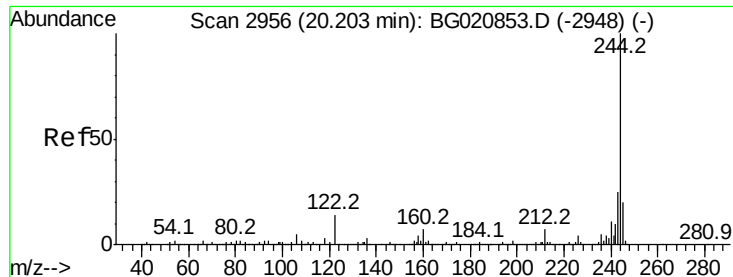


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 76.52 ng

RT: 20.20 min Scan# 2955

Delta R.T. -0.00 min

Lab File: BG020888.D

Acq: 12 Feb 2016 11:46

Instrument :

BNA\_G

ClientSampleId :

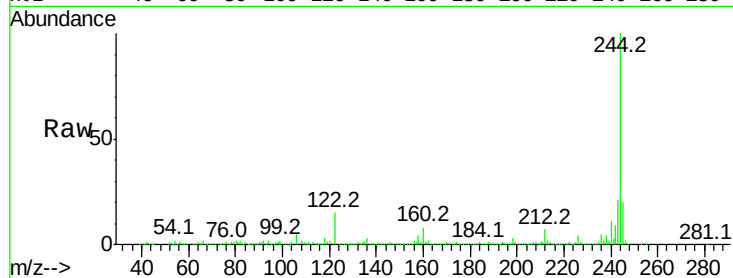
Tot Ion:244 Resp: 366612

Ion Ratio Lower Upper

244 100

212 6.7 5.5 8.3

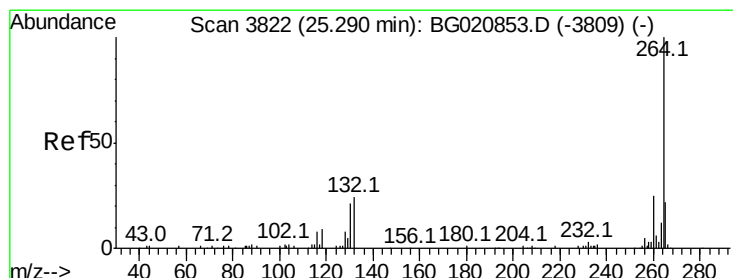
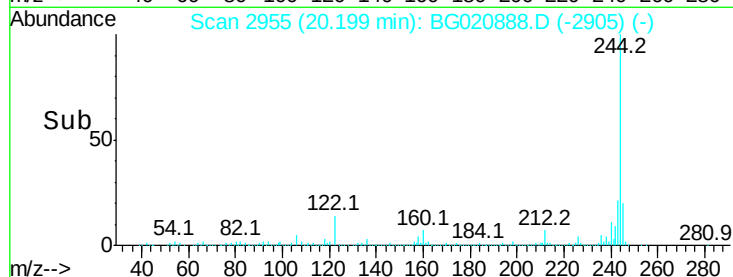
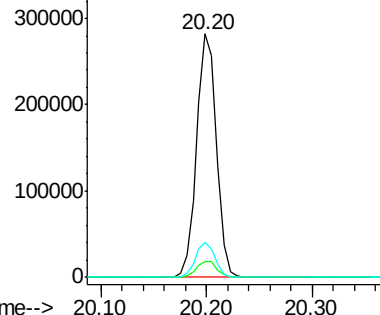
122 14.5 11.4 17.2



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: 25.28 min Scan# 3820

Delta R.T. -0.01 min

Lab File: BG020888.D

Acq: 12 Feb 2016 11:46

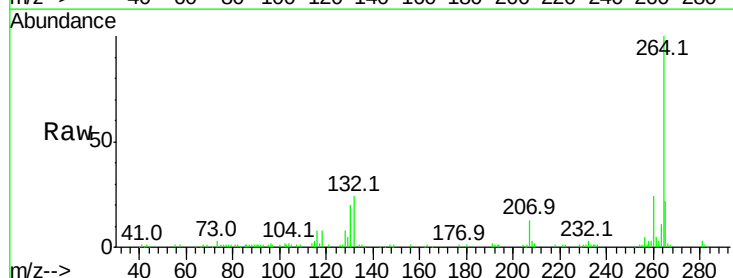
Tgt Ion:264 Resp: 106821

Ion Ratio Lower Upper

264 100

260 23.6 19.9 29.9

265 21.7 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

