

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG021116\
 Data File : BG020889.D
 Acq On : 12 Feb 2016 12:25
 Operator : SJ/UM
 Sample : H1408-08
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 12 13:28:36 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

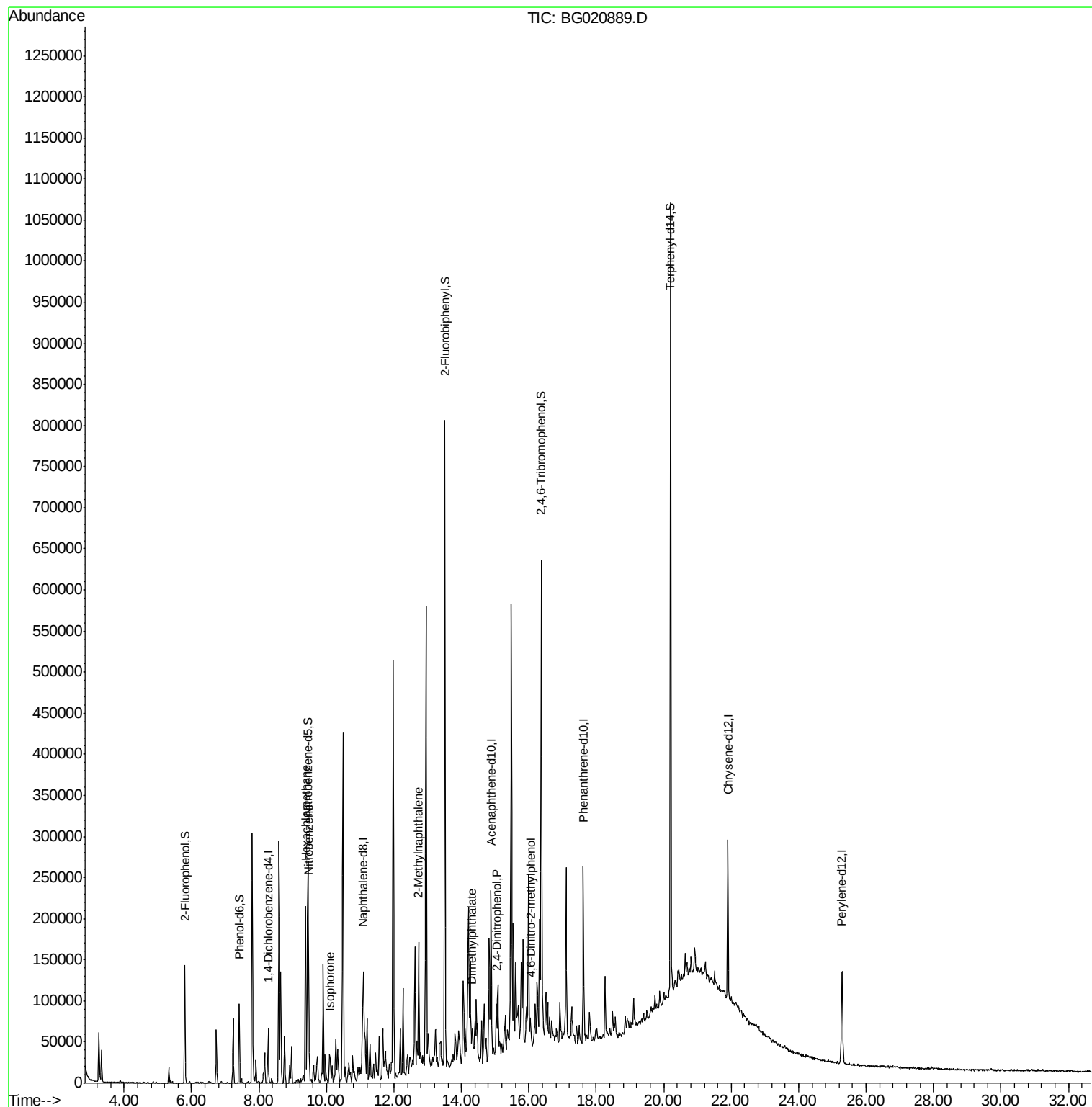
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.27	152	21886	20.00	ng	0.00
21) Naphthalene-d8	11.10	136	107129	20.00	ng	0.00
38) Acenaphthene-d10	14.88	164	63444	20.00	ng	0.00
63) Phenanthrene-d10	17.62	188	118586	20.00	ng	0.00
75) Chrysene-d12	21.90	240	109810	20.00	ng	0.00
86) Perylene-d12	25.29	264	106245	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.80	112	80996	62.32	ng	0.00
7) Phenol-d6	7.41	99	70740	37.24	ng	0.00
23) Nitrobenzene-d5	9.44	82	158303	97.16	ng	0.00
41) 2,4,6-Tribromophenol	16.37	330	87603	140.41	ng	0.00
44) 2-Fluorobiphenyl	13.51	172	411471	91.10	ng	0.00
78) Terphenyl-d14	20.20	244	395768	84.08	ng	0.00
Target Compounds						Qvalue
18) Hexachloroethane	9.38	117	37903	63.34	ng	# 1
24) Nitrobenzene	9.47	77	5897	3.47	ng	# 6
25) Isophorone	10.11	82	10529	3.07	ng	# 65
37) 2-Methylnaphthalene	12.73	142	80138	20.61	ng	100
49) Dimethylphthalate	14.32	163	26228	5.29	ng	99
53) 2,4-Dinitrophenol	15.04	184	132	8.68	ng	# 1
64) 4,6-Dinitro-2-methylphenol	16.05	198	191	5.79	ng	# 1

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

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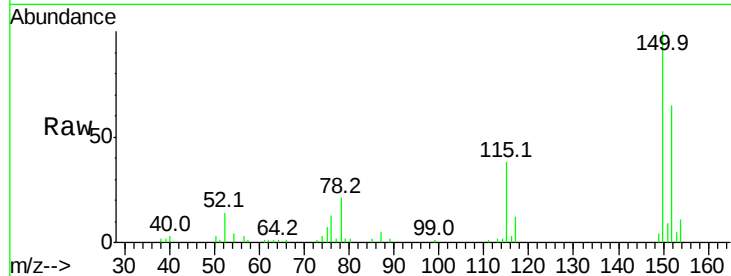


#1

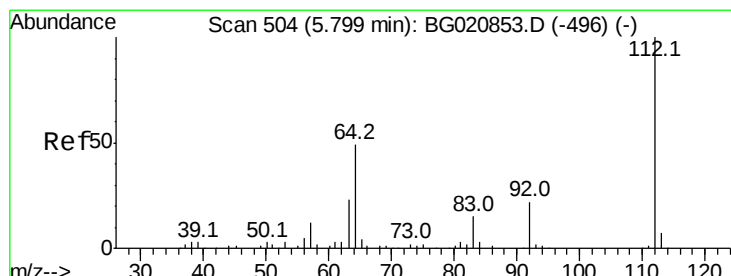
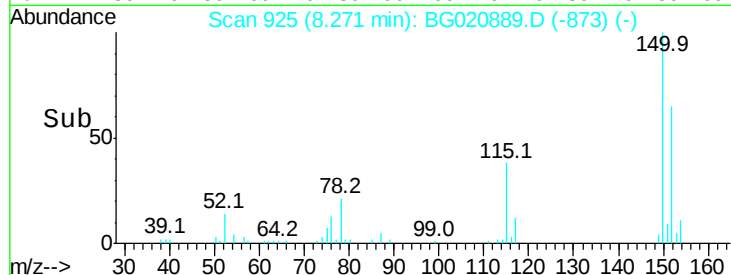
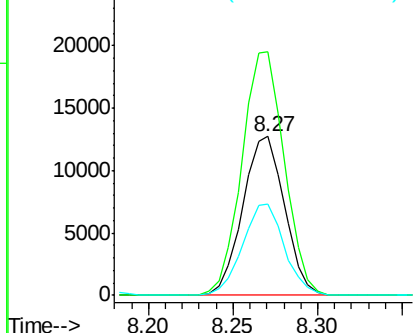
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.27 min Scan# 925
Delta R.T. 0.00 min
Lab File: BG020889.D
Acq: 12 Feb 2016 12:25

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 21886
Ion Ratio Lower Upper
152 100
150 153.4 122.0 183.0
115 57.9 45.2 67.8



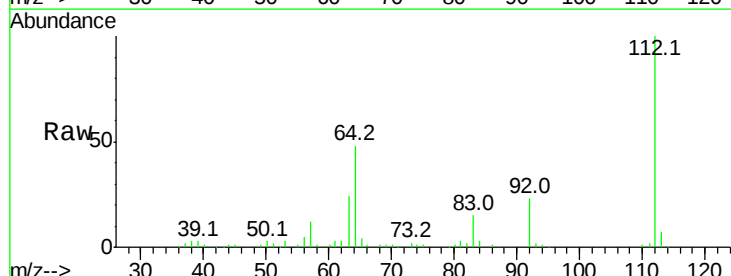
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



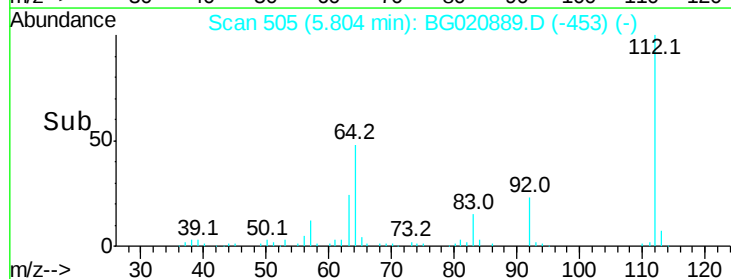
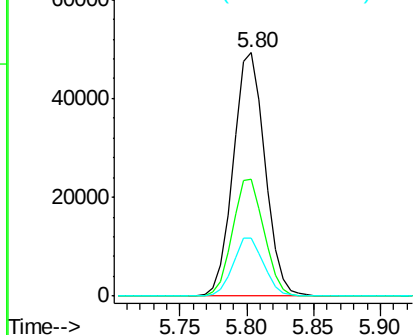
#5

2-Fluorophenol
Concen: 62.32 ng
RT: 5.80 min Scan# 505
Delta R.T. 0.00 min
Lab File: BG020889.D
Acq: 12 Feb 2016 12:25

Tgt Ion:112 Resp: 80996
Ion Ratio Lower Upper
112 100
64 48.1 39.3 58.9
63 24.0 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: 37.24 ng

RT: 7.41 min Scan# 779

Delta R.T. 0.00 min

Lab File: BG020889.D

Acq: 12 Feb 2016 12:25

Instrument :

BNA_G

ClientSampleId :

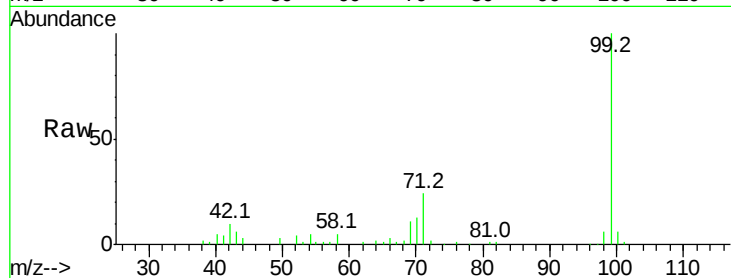
Tot Ion: 99 Resp: 70740

Ion Ratio Lower Upper

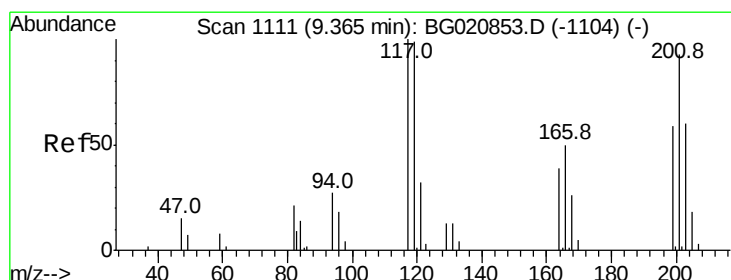
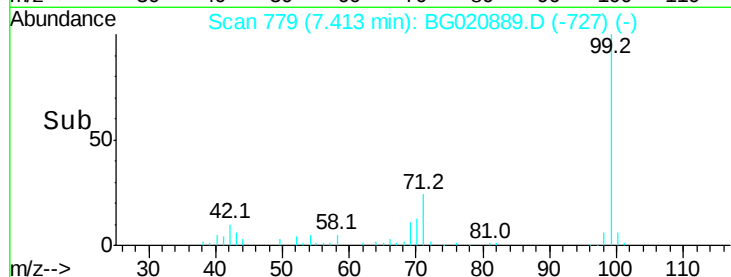
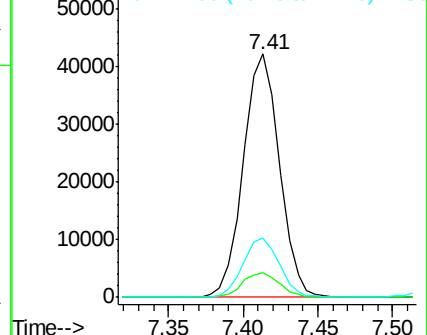
99 100

42 9.9 8.4 12.6

71 24.3 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: 63.34 ng

RT: 9.38 min Scan# 1114

Delta R.T. 0.02 min

Lab File: BG020889.D

Acq: 12 Feb 2016 12:25

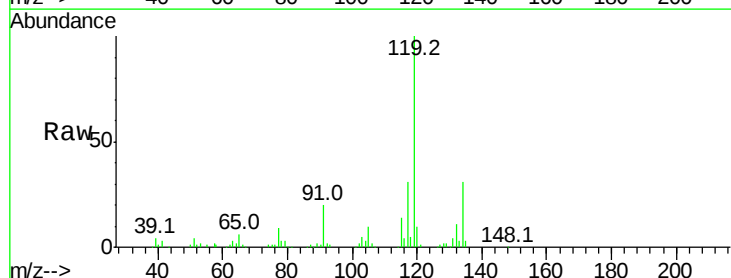
Tgt Ion: 117 Resp: 37903

Ion Ratio Lower Upper

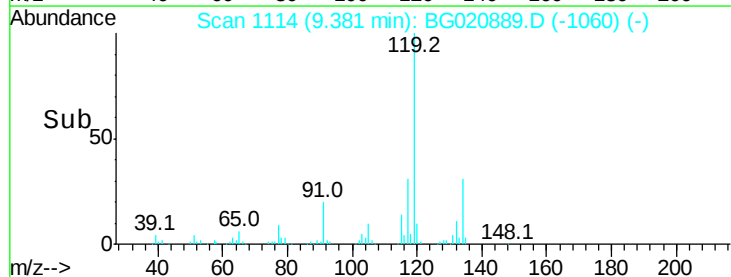
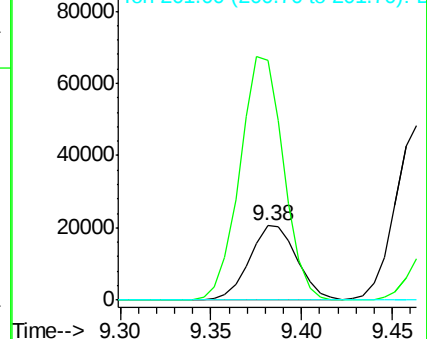
117 100

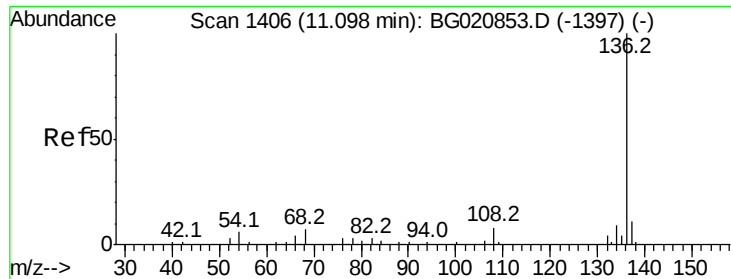
119 323.3 79.6 119.4#

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: 11.10 min Scan# 1406

Delta R.T. -0.00 min

Lab File: BG020889.D

Acq: 12 Feb 2016 12:25

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 107129

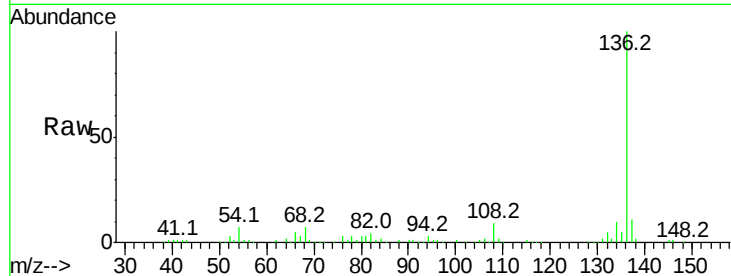
Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

54 6.9 5.0 7.4

68 7.4 5.2 7.8

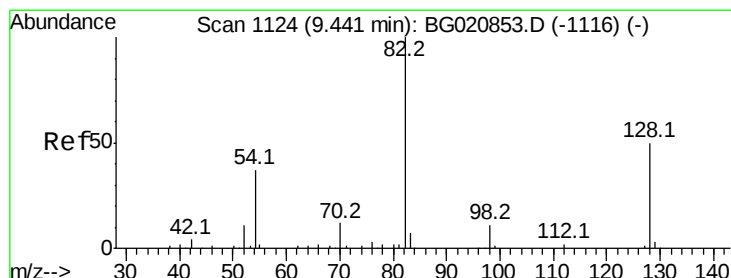
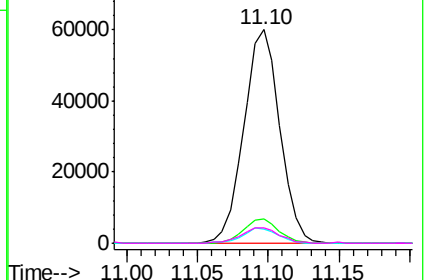
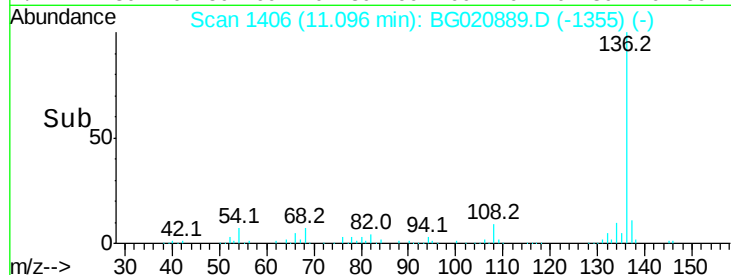


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 97.16 ng

RT: 9.44 min Scan# 1124

Delta R.T. -0.00 min

Lab File: BG020889.D

Acq: 12 Feb 2016 12:25

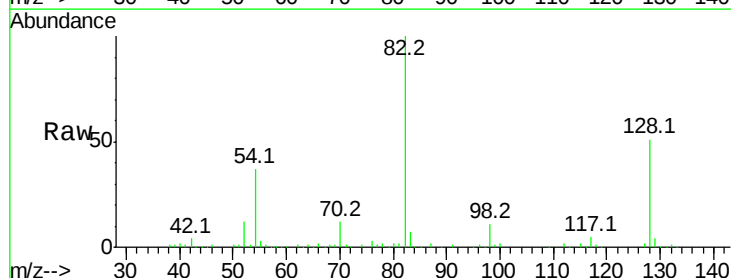
Tgt Ion: 82 Resp: 158303

Ion Ratio Lower Upper

82 100

128 51.1 40.1 60.1

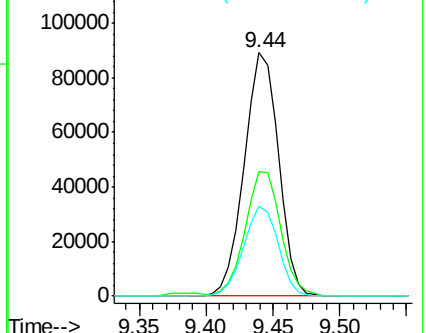
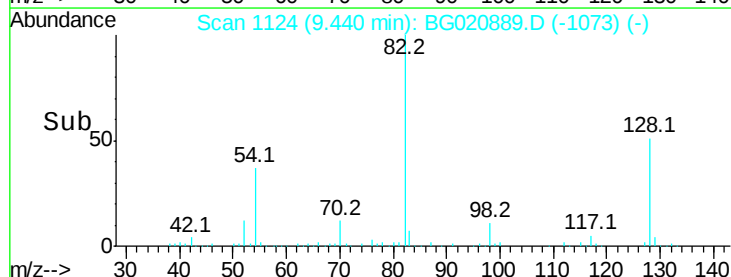
54 37.1 29.5 44.3

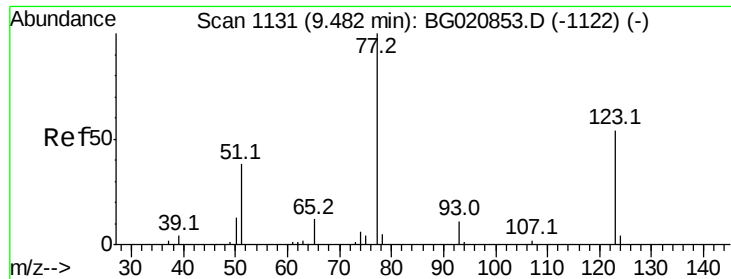


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

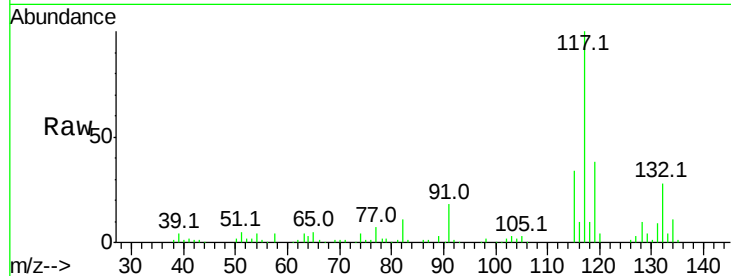




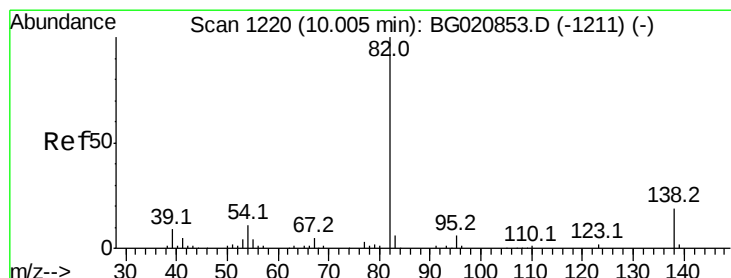
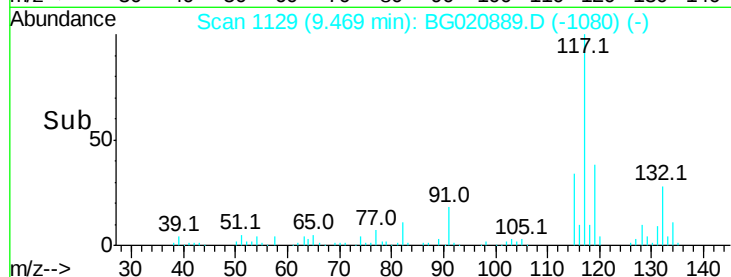
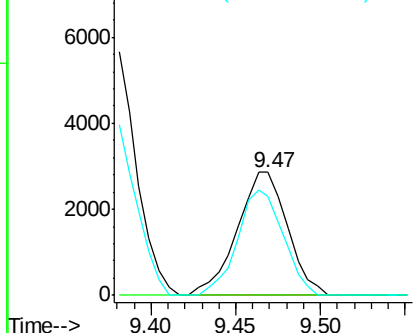
#24
 Nitrobenzene
 Concen: 3.47 ng
 RT: 9.47 min Scan# 1129
 Delta R.T. -0.01 min
 Lab File: BG020889.D
 Acq: 12 Feb 2016 12:25

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion: 77 Resp: 5897
 Ion Ratio Lower Upper
 77 100
 123 0.0 43.2 64.8#
 65 81.0 9.2 13.8#

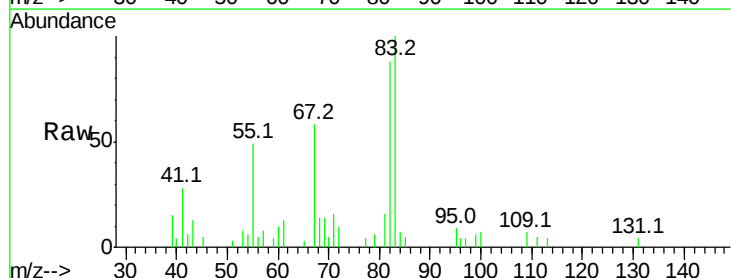


Abundance Ion 77.00 (76.70 to 77.70): BGC
 Ion 123.00 (122.70 to 123.70): BGC
 Ion 65.00 (64.70 to 65.70): BGC

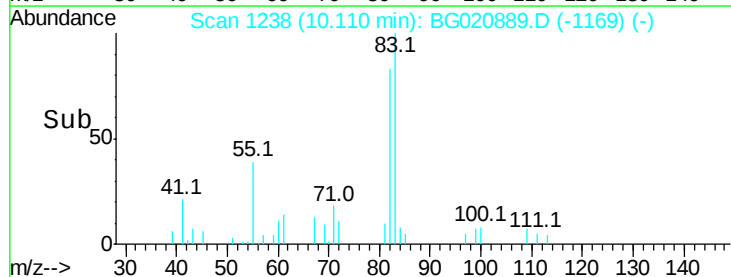
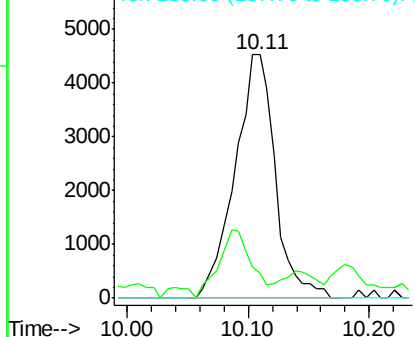


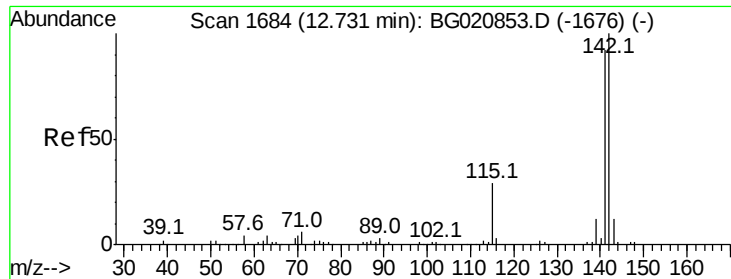
#25
 Isophorone
 Concen: 3.07 ng
 RT: 10.11 min Scan# 1238
 Delta R.T. 0.10 min
 Lab File: BG020889.D
 Acq: 12 Feb 2016 12:25

Tgt Ion: 82 Resp: 10529
 Ion Ratio Lower Upper
 82 100
 95 10.4 4.8 7.2#
 138 0.0 15.4 23.0#



Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 95.00 (94.70 to 95.70): BGC
 Ion 138.00 (137.70 to 138.70): BGC

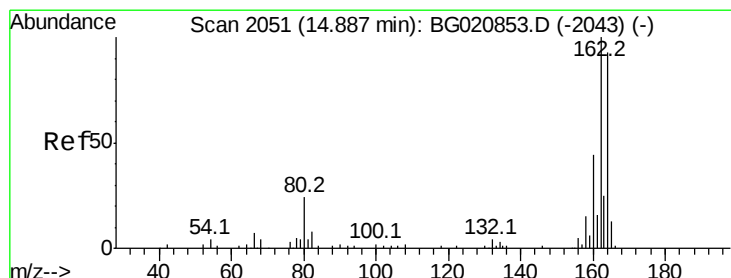
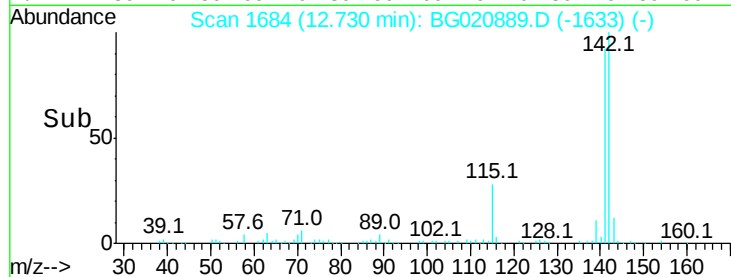
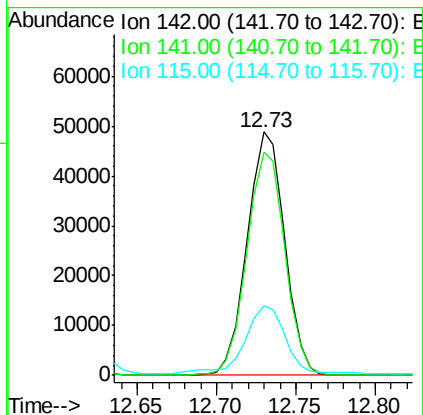
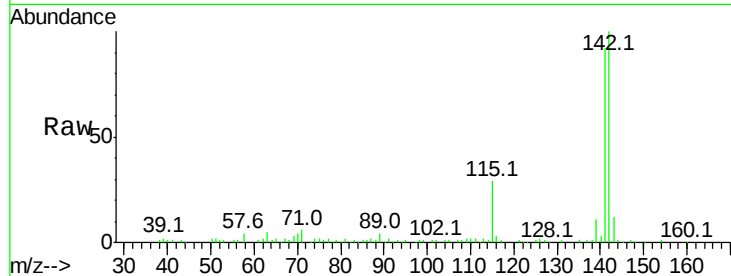




#37
2-Methylnaphthalene
Concen: 20.61 ng
RT: 12.73 min Scan# 1684
Delta R.T. -0.00 min
Lab File: BG020889.D
Acq: 12 Feb 2016 12:25

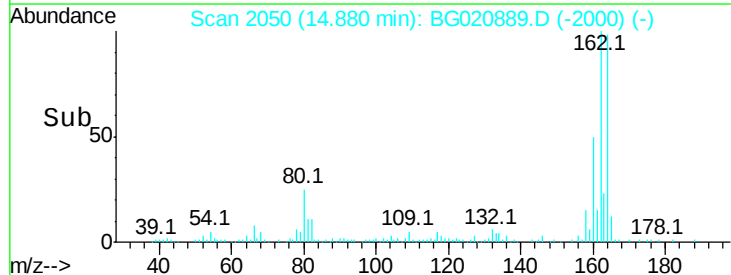
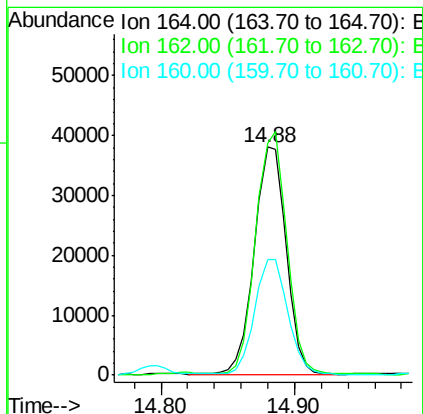
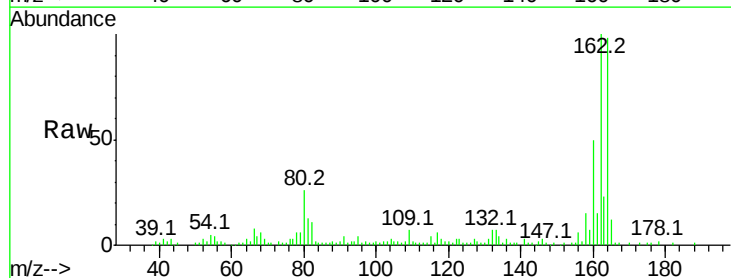
Instrument :
BNA_G
ClientSampleId :

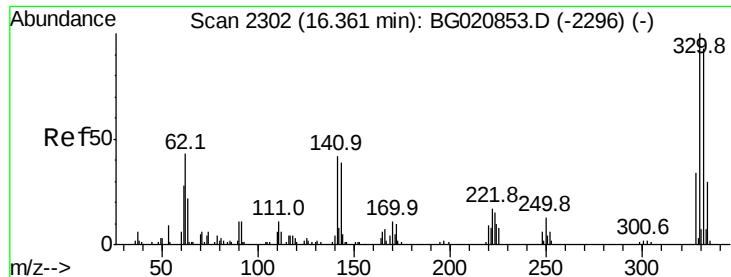
Tot Ion:142 Resp: 80138
Ion Ratio Lower Upper
142 100
141 91.8 73.4 110.2
115 28.8 23.0 34.6



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.88 min Scan# 2050
Delta R.T. -0.01 min
Lab File: BG020889.D
Acq: 12 Feb 2016 12:25

Tgt Ion:164 Resp: 63444
Ion Ratio Lower Upper
164 100
162 101.9 85.7 128.5
160 50.5 37.4 56.0





#41

2,4,6-Tribromophenol

Concen: 140.41 ng

RT: 16.37 min Scan# 2303

Delta R.T. 0.00 min

Lab File: BG020889.D

Acq: 12 Feb 2016 12:25

Instrument :

BNA_G

ClientSampled :

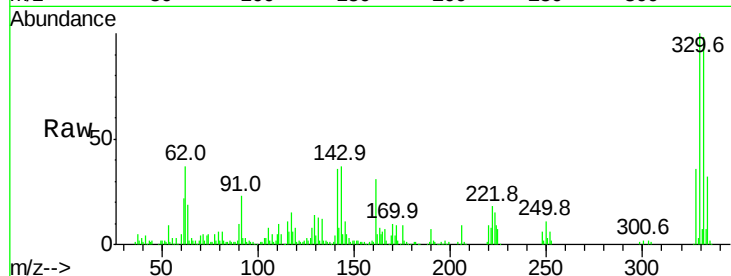
Tot Ion:330 Resp: 87603

Ion Ratio Lower Upper

330 100

332 97.5 76.1 114.1

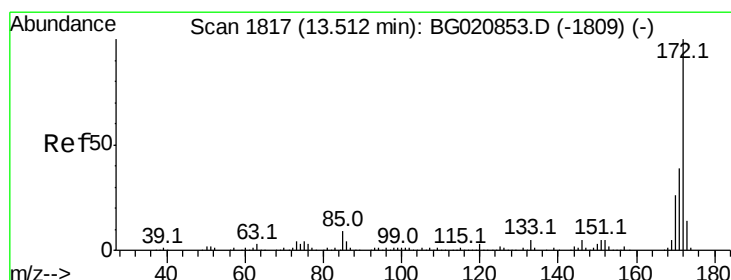
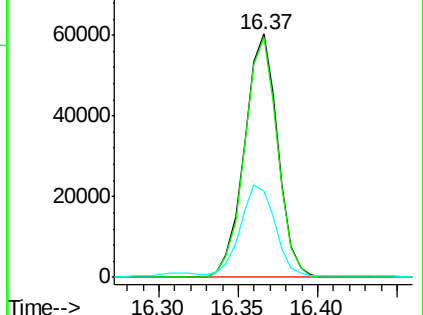
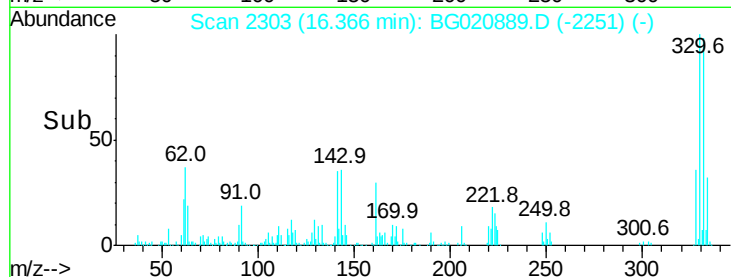
141 40.2 32.0 48.0



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: 91.10 ng

RT: 13.51 min Scan# 1817

Delta R.T. -0.00 min

Lab File: BG020889.D

Acq: 12 Feb 2016 12:25

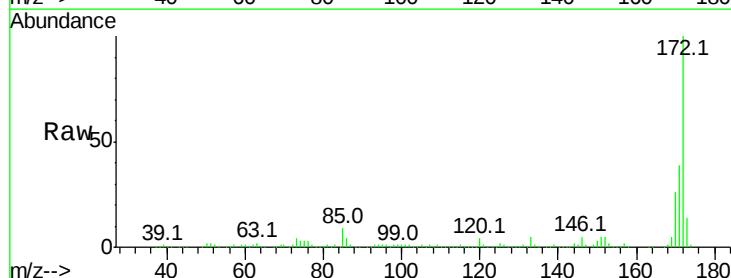
Tgt Ion:172 Resp: 411471

Ion Ratio Lower Upper

172 100

171 38.8 31.2 46.8

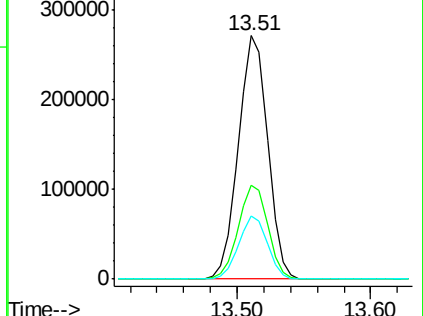
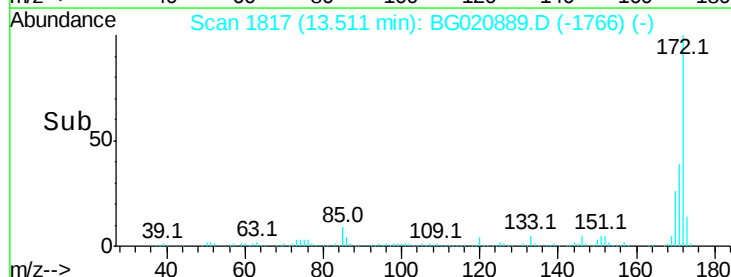
170 25.8 20.6 30.8

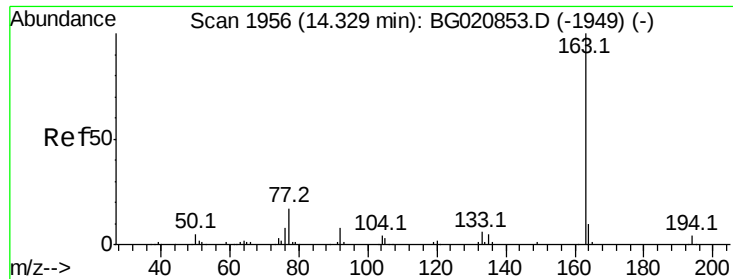


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 5.29 ng

RT: 14.32 min Scan# 1955

Delta R.T. -0.01 min

Lab File: BG020889.D

Acq: 12 Feb 2016 12:25

Instrument :

BNA_G

ClientSampleId :

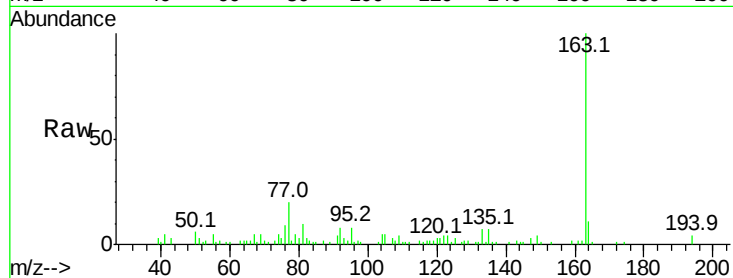
Tot Ion:163 Resp: 26228

Ion Ratio Lower Upper

163 100

194 4.0 3.1 4.7

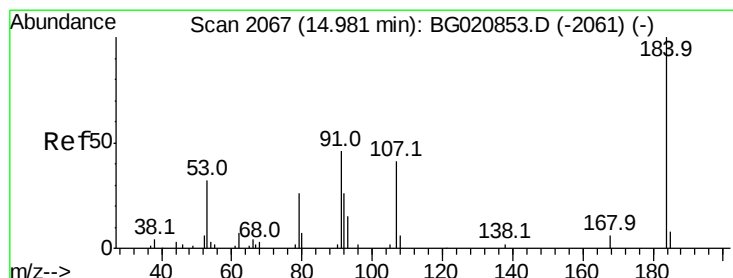
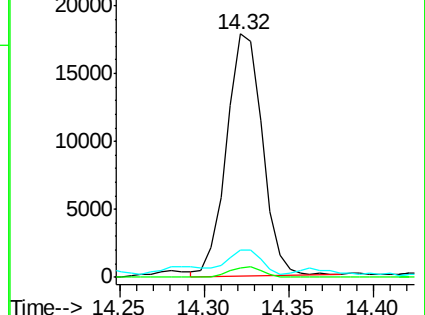
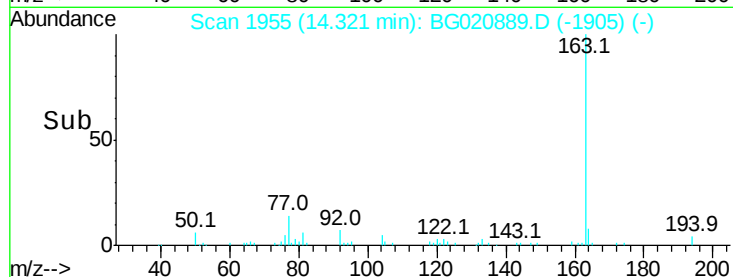
164 11.1 8.3 12.5



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



#53

2,4-Dinitrophenol

Concen: 8.68 ng

RT: 15.04 min Scan# 2078

Delta R.T. 0.06 min

Lab File: BG020889.D

Acq: 12 Feb 2016 12:25

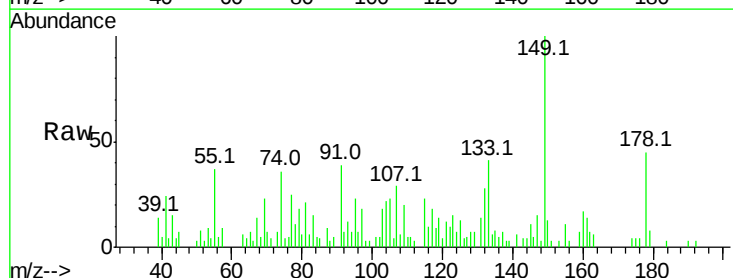
Tgt Ion:184 Resp: 132

Ion Ratio Lower Upper

184 100

63 187.0 39.8 59.6#

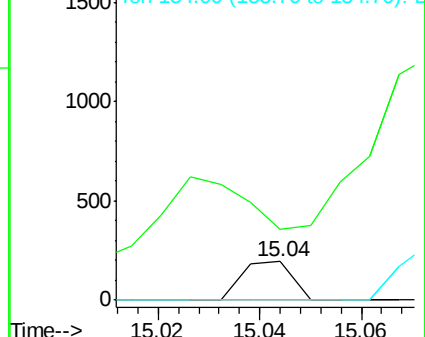
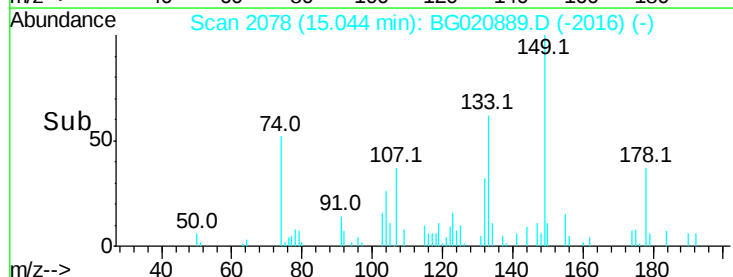
154 0.0 48.1 72.1#

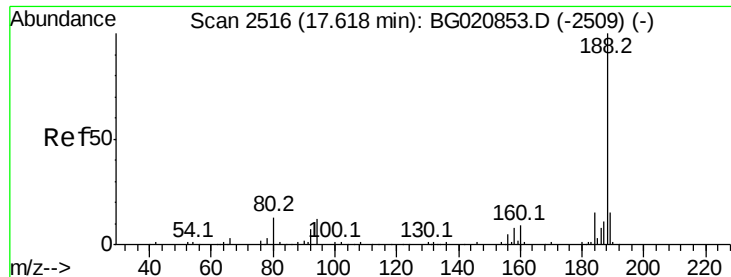


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 154.00 (153.70 to 154.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.62 min Scan# 2517

Delta R.T. 0.00 min

Lab File: BG020889.D

Acq: 12 Feb 2016 12:25

Instrument :

BNA_G

ClientSampleId :

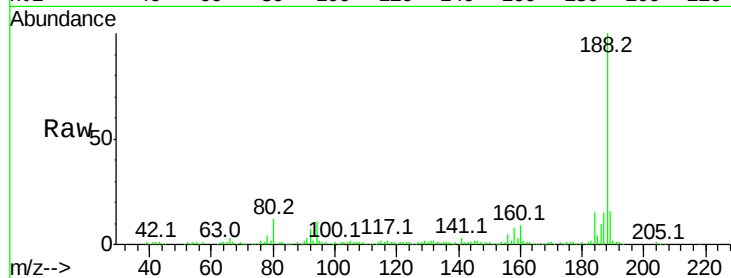
Tot Ion:188 Resp: 118586

Ion Ratio Lower Upper

188 100

94 11.2 9.4 14.0

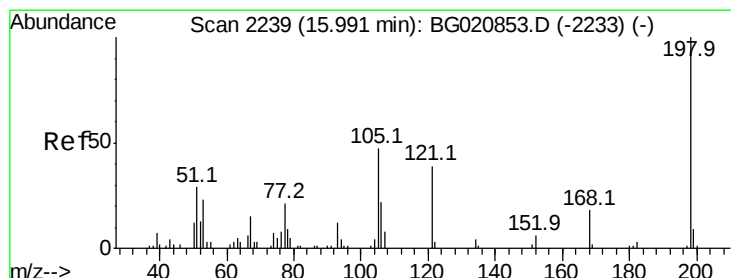
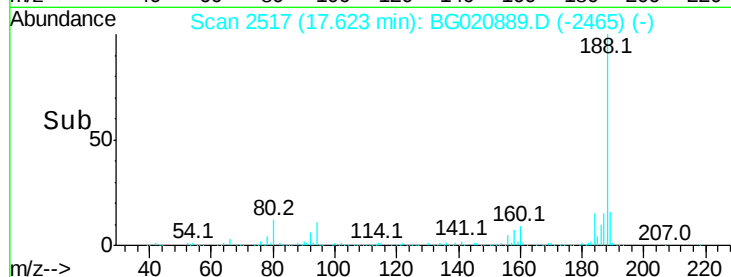
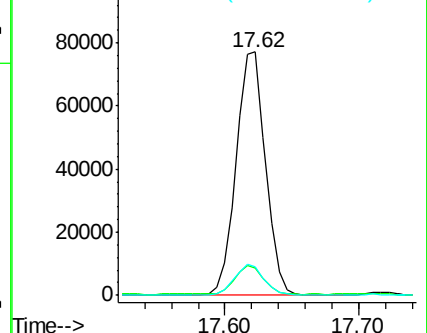
80 11.9 10.2 15.4



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: 5.79 ng

RT: 16.05 min Scan# 2250

Delta R.T. 0.06 min

Lab File: BG020889.D

Acq: 12 Feb 2016 12:25

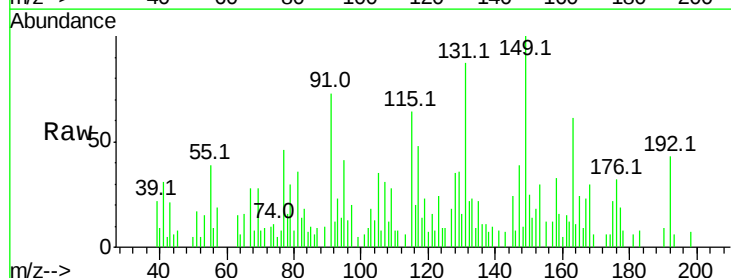
Tgt Ion:198 Resp: 191

Ion Ratio Lower Upper

198 100

51 244.8 10.6 50.6#

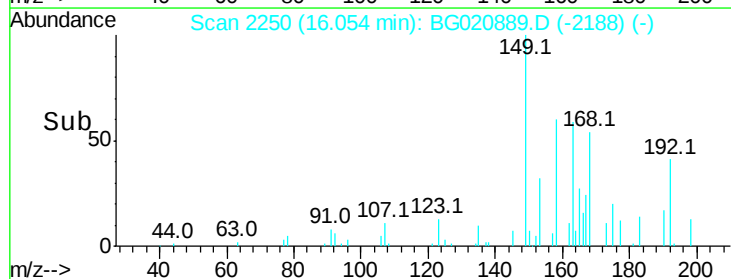
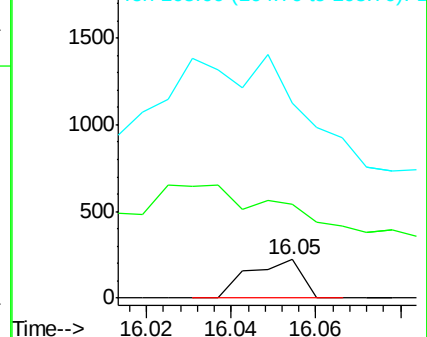
105 507.2 27.0 67.0#

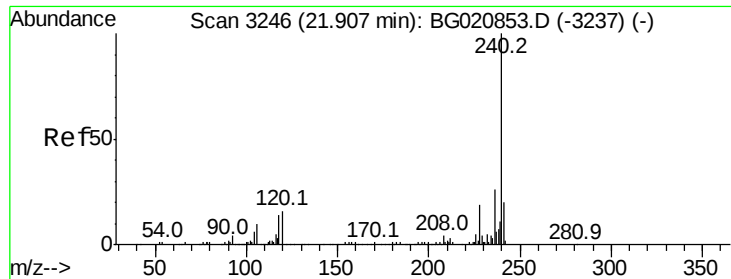


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

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. -0.01 min

Lab File: BG020889.D

Acq: 12 Feb 2016 12:25

Instrument :

BNA_G

ClientSampleId :

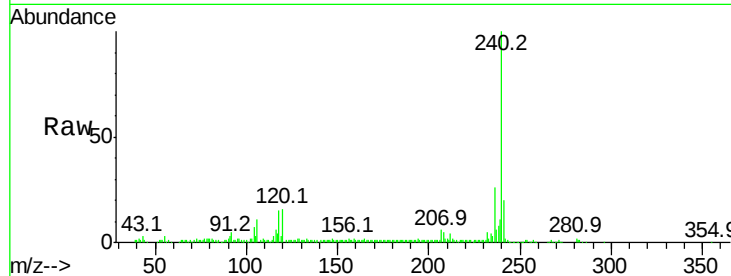
Tot Ion:240 Resp: 109810

Ion Ratio Lower Upper

240 100

120 15.6 13.0 19.4

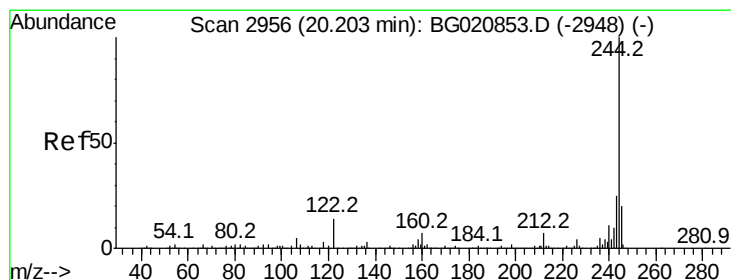
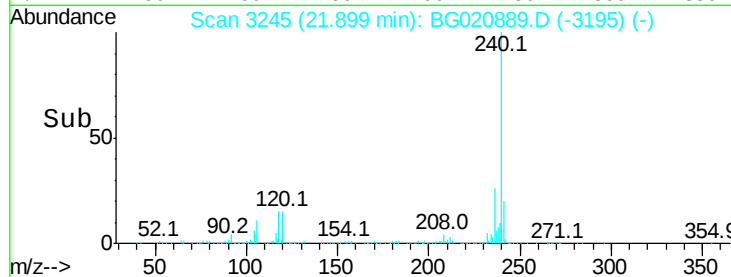
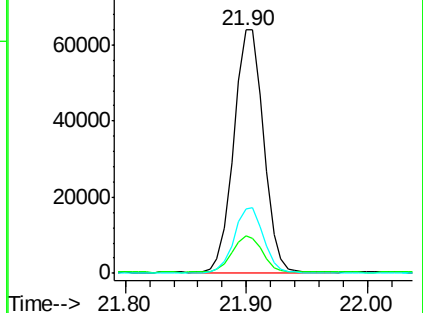
236 26.2 21.0 31.4



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: 84.08 ng

RT: 20.20 min Scan# 2956

Delta R.T. -0.00 min

Lab File: BG020889.D

Acq: 12 Feb 2016 12:25

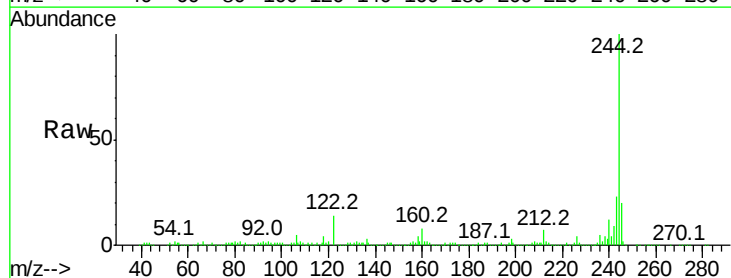
Tgt Ion:244 Resp: 395768

Ion Ratio Lower Upper

244 100

212 7.1 5.5 8.3

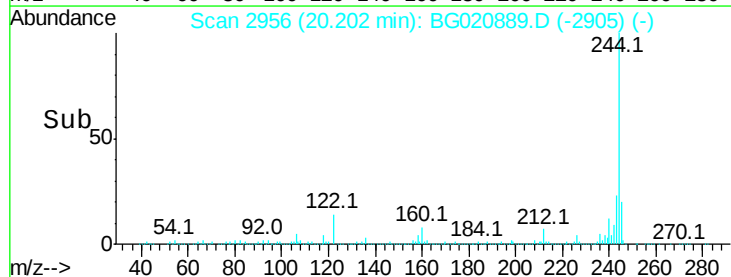
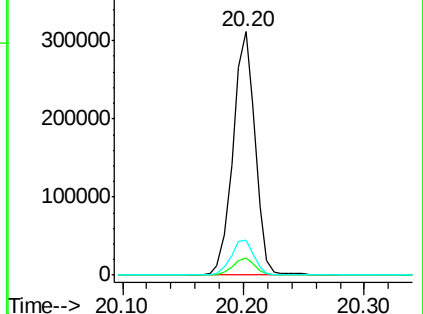
122 14.4 11.4 17.2

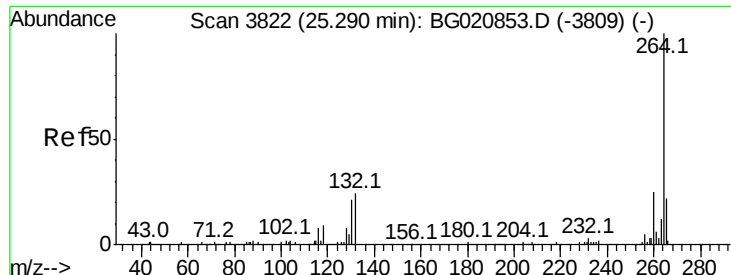


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

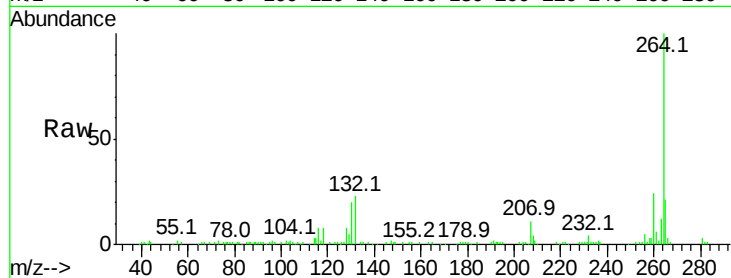




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 25.29 min Scan# 3822
 Delta R.T. -0.00 min
 Lab File: BG020889.D
 Acq: 12 Feb 2016 12:25

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.9	29.9
265	21.5	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

