

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110615\
 Data File : BG019518.D
 Acq On : 6 Nov 2015 18:52
 Operator : UM/NP
 Sample : G4245-16
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BCY51

Manual Integrations
 APPROVED

Mmdadoda
 11/9/2015 6:49:39 PM

Quant Time: Nov 09 15:25:22 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG102815.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Nov 06 23:58:14 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	40318	20.00	ng/ul	0.00
18) Naphthalene-d8	11.03	136	177809	20.00	ng/ul	0.02
36) Acenaphthene-d10	14.81	164	136433	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.56	188	345781	20.00	ng/ul	0.00
78) Chrysene-d12	21.83	240	449724	20.00	ng/ul	0.00
86) Perylene-d12	25.18	264	430556	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.48	96	745m	0.89	ng/uL	0.00
5) Phenol-d5	7.33	99	23885	6.45	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.49	67	85232	36.33	ng/ul	0.00
9) 2-Chlorophenol-d4	7.71	132	61293	26.53	ng/ul	0.00
13) 4-Methylphenol-d8	8.88	113	46404	15.74	ng/ul	0.00
19) Nitrobenzene-d5	9.36	128	47305	36.20	ng/ul	0.00
22) 2-Nitrophenol-d4	10.08	143	52435	33.80	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.63	165	94881	28.19	ng/ul	0.00
29) 4-Chloroaniline-d4	11.14	131	59554m	17.49	ng/ul	0.00
44) Dimethylphthalate-d6	14.21	166	371683	33.04	ng/ul	0.00
47) Acenaphthylene-d8	14.51	160	418404	33.59	ng/ul	0.00
52) 4-Nitrophenol-d4	15.00	143	12508	7.00	ng/ul	0.00
58) Fluorene-d10	15.80	176	335749	32.26	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.91	200	65214	29.14	ng/ul	0.00
71) Anthracene-d10	17.66	188	553948	35.14	ng/ul	0.00
79) Pyrene-d10	19.92	212	645784	32.81	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.95	264	754718	34.93	ng/ul	0.00

Target Compounds

					Ovalue	
28) Naphthalene	11.14	128	11838202	1330.64	ng/ul#	1
34) 2-Methylnaphthalene	12.66	142	1163129	162.69	ng/ul	99
35) 1-Methylnaphthalene	12.88	142	2230961	329.81	ng/ul	98
41) 1,1'-Biphenyl	13.65	154	940528	97.52	ng/ul#	94
48) Acenaphthylene	14.54	152	42335	3.32	ng/ul#	75
50) Acenaphthene	14.89	153	2183853	253.39	ng/ul	95
54) Dibenzofuran	15.22	168	2538563	200.00	ng/ul#	78
59) Fluorene	15.86	166	1732962	156.51	ng/ul#	97
70) Phenanthrene	17.60	178	2812793m	161.18	ng/ul	
72) Anthracene	17.68	178	285311	16.04	ng/ul	97
75) Carbazole	17.97	167	2583921	182.04	ng/ul#	82
77) Fluoranthene	19.59	202	460647	20.39	ng/ul#	96
80) Pyrene	19.95	202	270750	10.73	ng/ul#	94

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

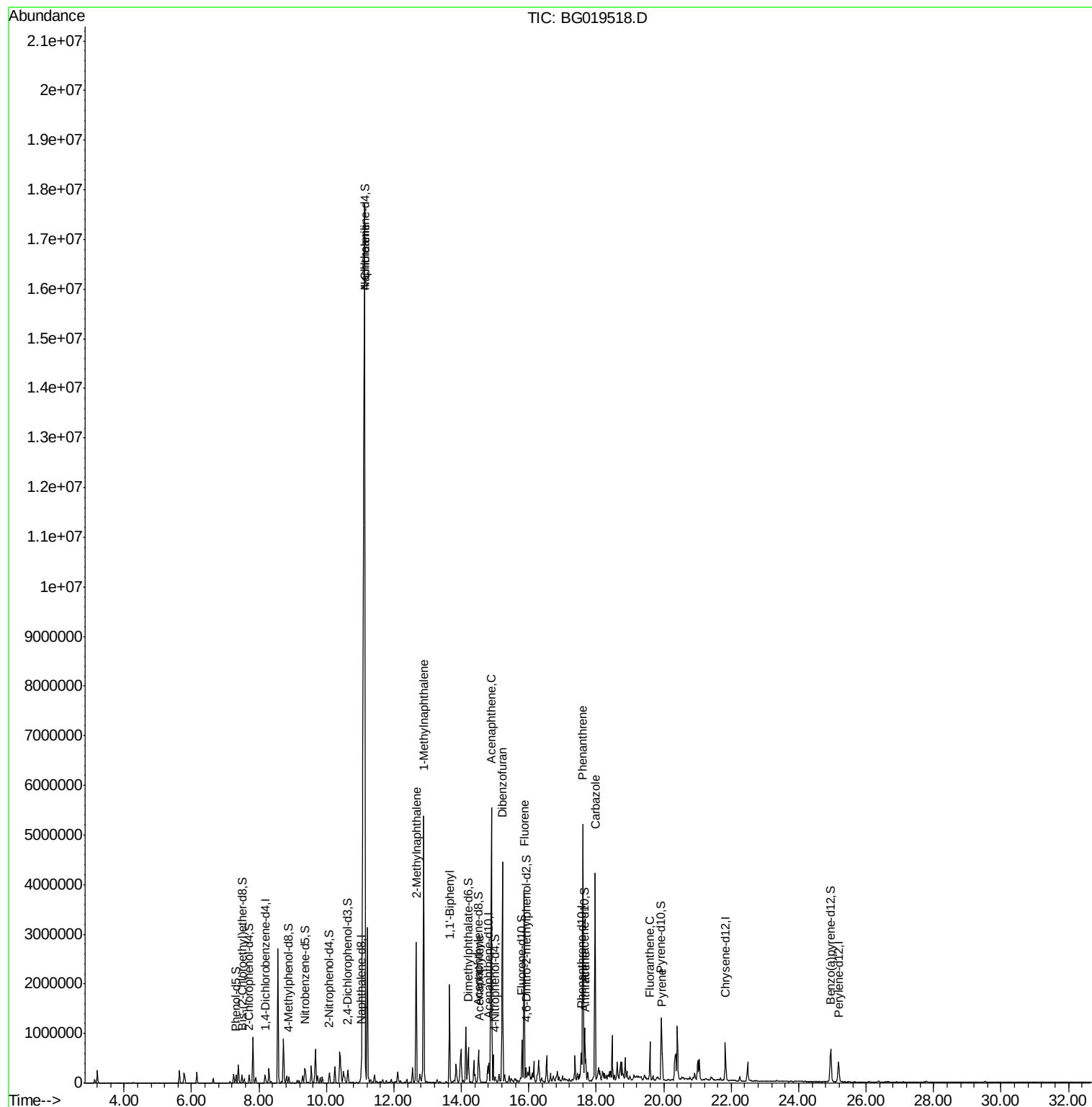
Data Path : Z:\HPCHEM1\BNA G\DATA\BG110615\
Data File : BG019518.D
Acq On : 6 Nov 2015 18:52
Operator : UM/NP
Sample : G4245-16
Misc :
ALS Vial : 17 Sample Multiplier: 1

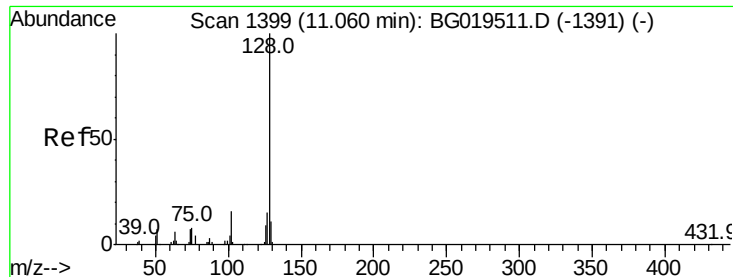
Instrument :
BNA_G
ClientSampleId :
BCY51

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Quant Time: Nov 09 15:25:22 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Nov 06 23:58:14 2015
Response via : Initial Calibration





#28

Naphthalene

Concen: 1330.64 ng/ul

RT: 11.14 min Scan# 1413

Delta R.T. 0.08 min

Lab File: BG019518.D

Acq: 6 Nov 2015 18:52

Instrument :

BNA_G

ClientSampleId :

BCY51

Tot Ion:128 Resp:11838202

Ion Ratio Lower Upper

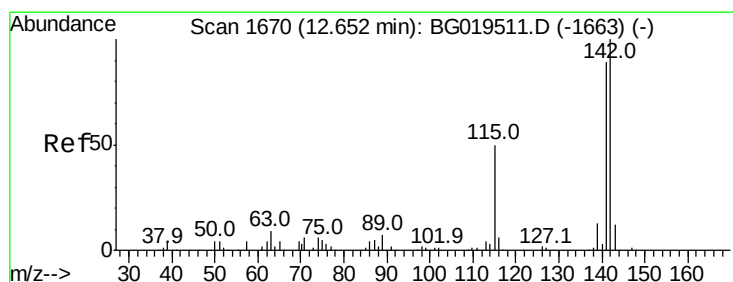
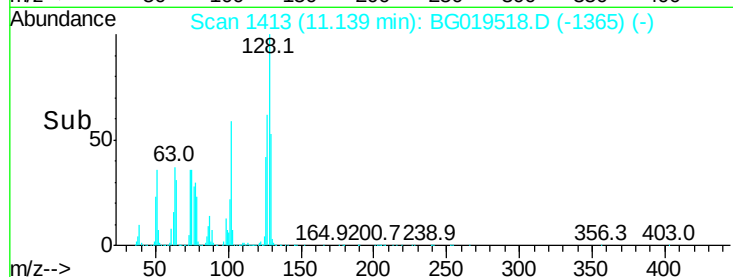
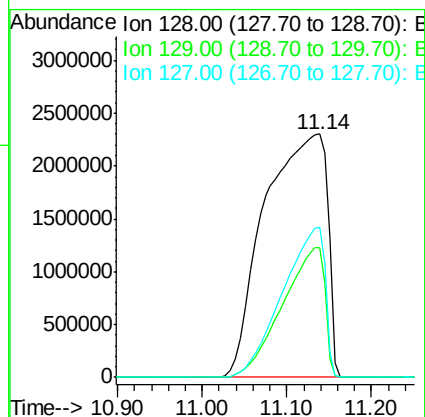
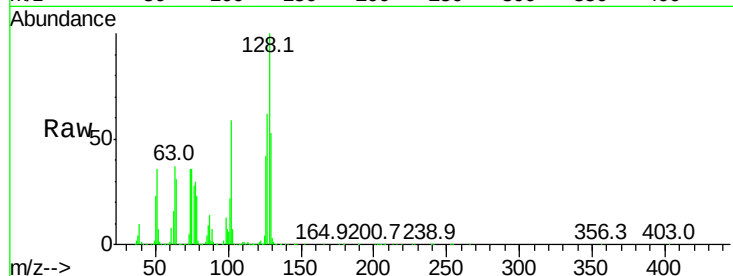
128 100

129 53.5 8.9 13.3#

127 61.7 13.1 19.7#

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#34

2-Methylnaphthalene

Concen: 162.69 ng/ul

RT: 12.66 min Scan# 1672

Delta R.T. 0.01 min

Lab File: BG019518.D

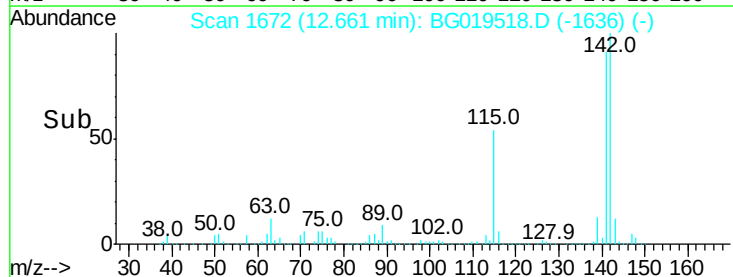
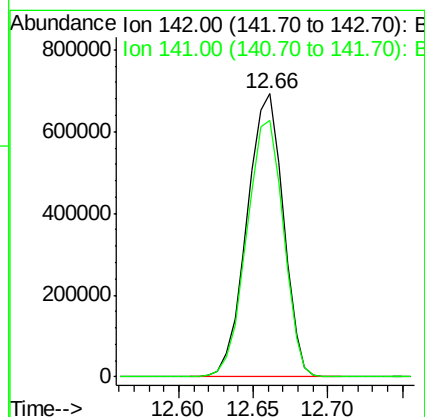
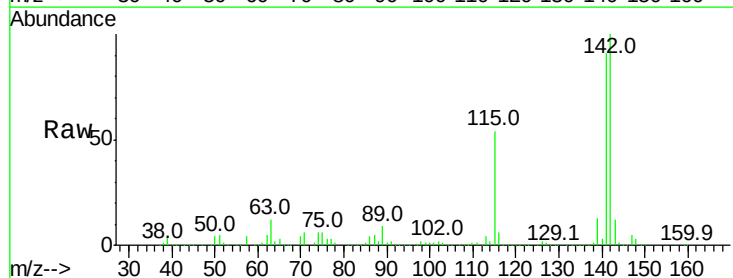
Acq: 6 Nov 2015 18:52

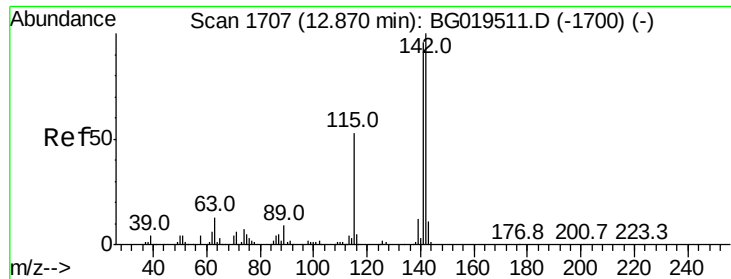
Tgt Ion:142 Resp: 1163129

Ion Ratio Lower Upper

142 100

141 90.7 73.4 110.2





#35

1-Methylnaphthalene

Concen: 329.81 ng/ul

RT: 12.88 min Scan# 1710

Delta R.T. 0.01 min

Lab File: BG019518.D

Acq: 6 Nov 2015 18:52

Instrument :

BNA_G

ClientSampleId :

BCY51

Tot Ion:142 Resp: 2230961

Ion Ratio Lower Upper

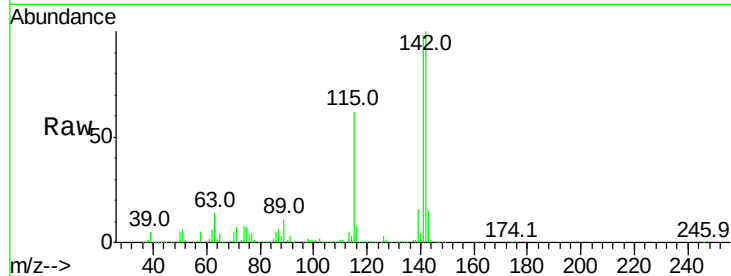
142 100

141 97.8 76.5 114.7

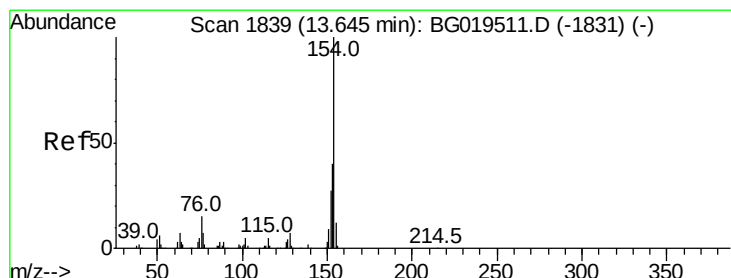
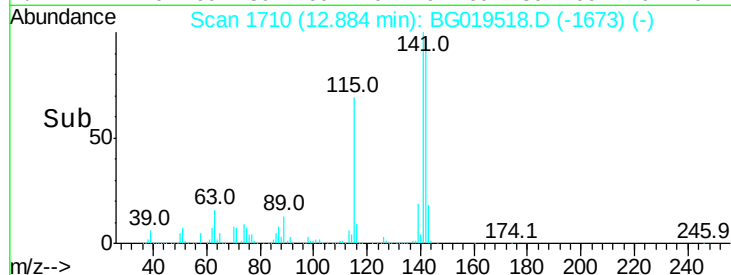
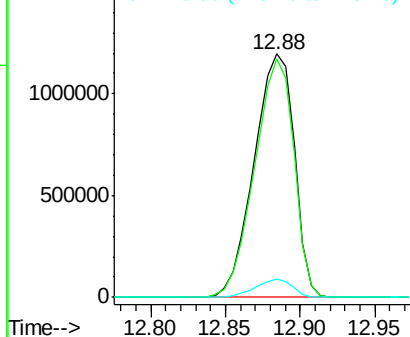
116 7.5 5.4 8.0

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Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E



#41

1,1'-Biphenyl

Concen: 97.52 ng/ul

RT: 13.65 min Scan# 1840

Delta R.T. 0.00 min

Lab File: BG019518.D

Acq: 6 Nov 2015 18:52

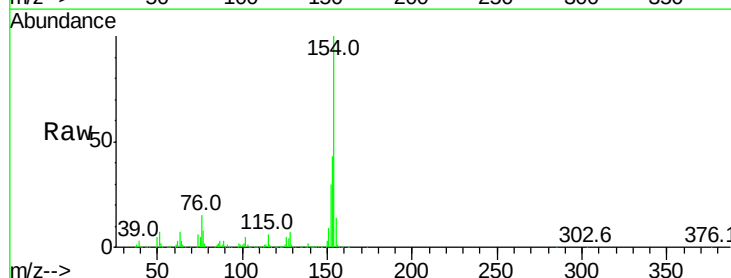
Tgt Ion:154 Resp: 940528

Ion Ratio Lower Upper

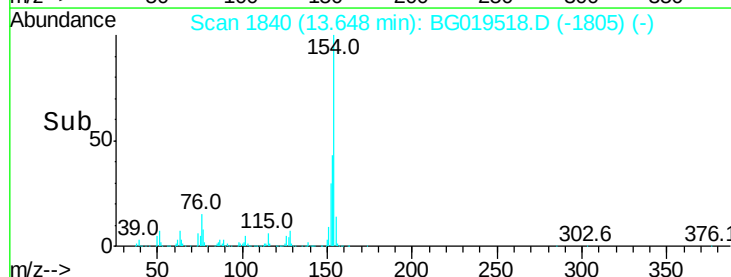
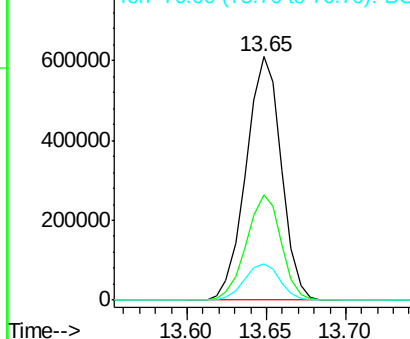
154 100

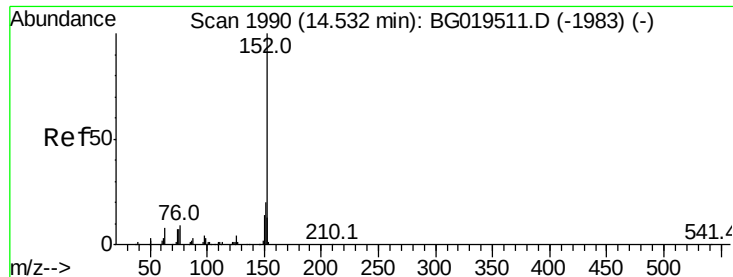
153 43.4 32.8 49.2

76 14.9 7.7 11.5#



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BG





#48

Acenaphthylene

Concen: 3.32 ng/ul

RT: 14.54 min Scan# 1991

Delta R.T. 0.00 min

Lab File: BG019518.D

Acq: 6 Nov 2015 18:52

Instrument :

BNA_G

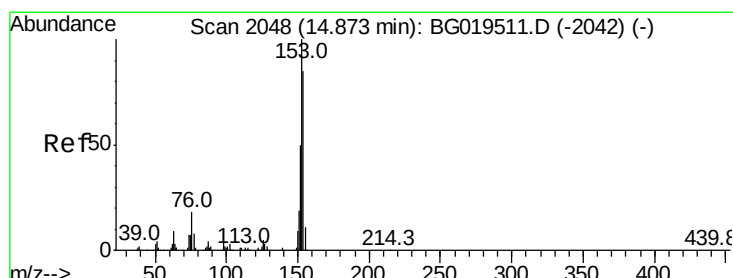
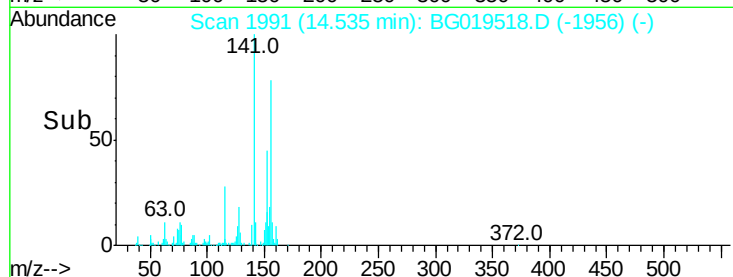
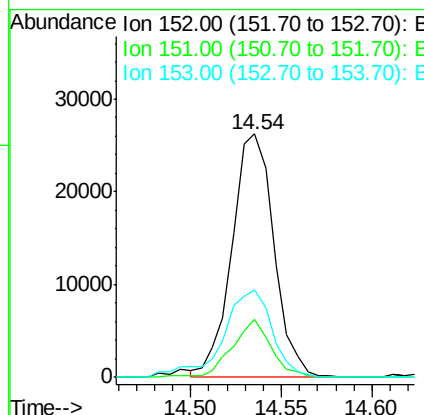
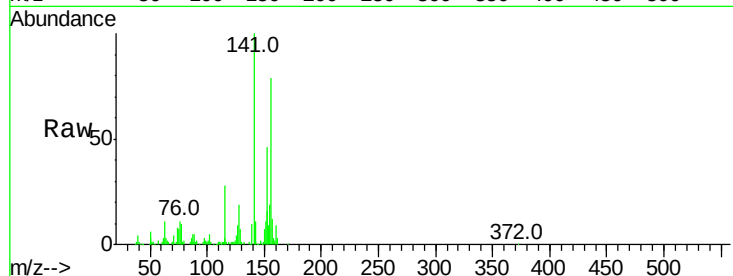
ClientSampleId :

BCY51

Tot Ion:	152	Resp:	42335
Ion Ratio	Lower	Upper	
152	100		
151	23.8	16.9	25.3
153	35.7	10.8	16.2#

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#50

Acenaphthene

Concen: 253.39 ng/ul

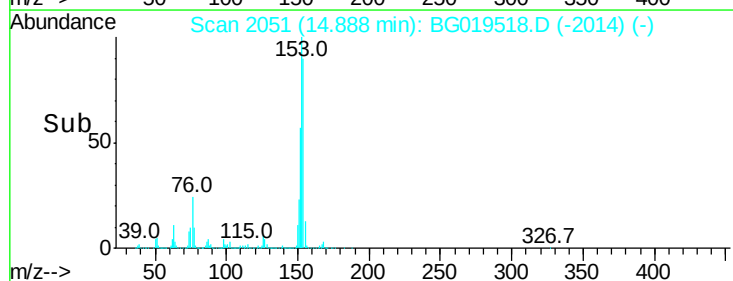
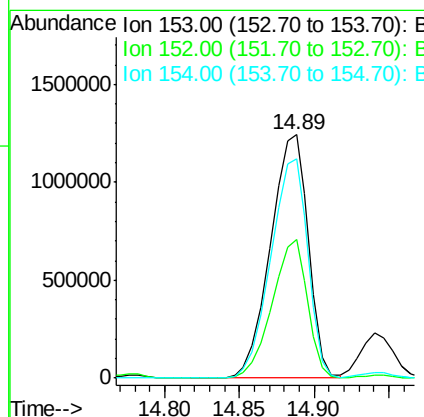
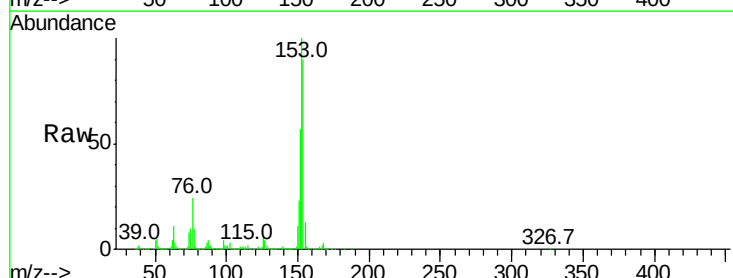
RT: 14.89 min Scan# 2051

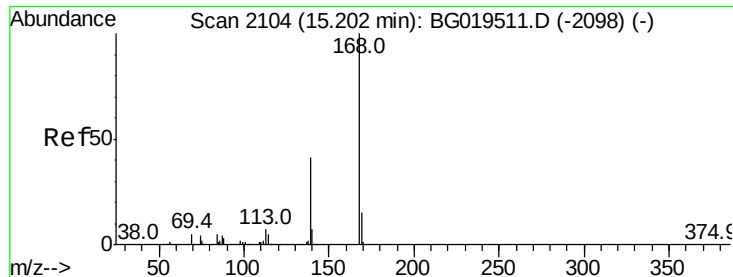
Delta R.T. 0.01 min

Lab File: BG019518.D

Acq: 6 Nov 2015 18:52

Tgt Ion:	153	Resp:	2183853
Ion Ratio	Lower	Upper	
153	100		
152	56.8	38.8	58.2
154	90.0	71.5	107.3





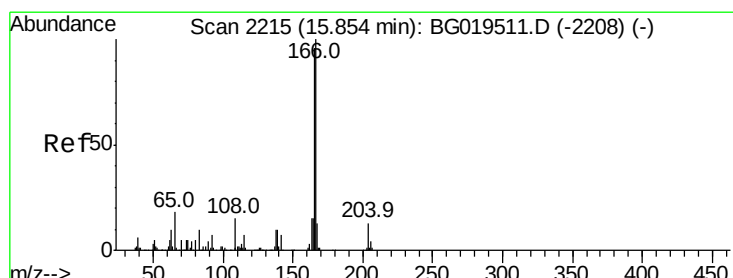
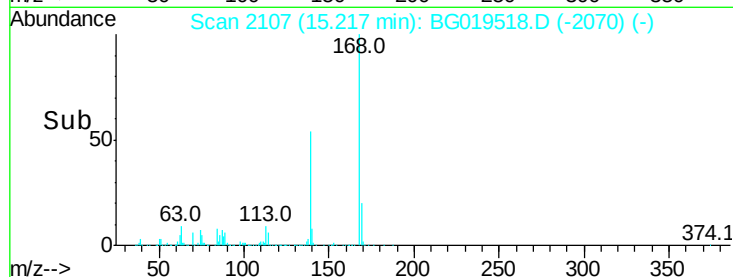
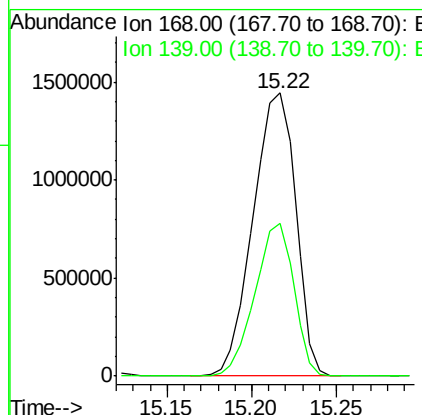
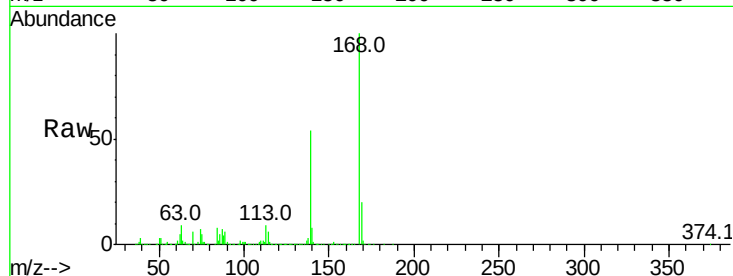
#54
Dibenzenofuran
Concen: 200.00 ng/ul
RT: 15.22 min Scan# 2107
Delta R.T. 0.01 min
Lab File: BG019518.D
Acq: 6 Nov 2015 18:52

Instrument :
BNA_G
ClientSampleId :
BCY51

Tot Ion:168 Resp: 2538563
Ion Ratio Lower Upper
168 100
139 54.1 32.4 48.6#

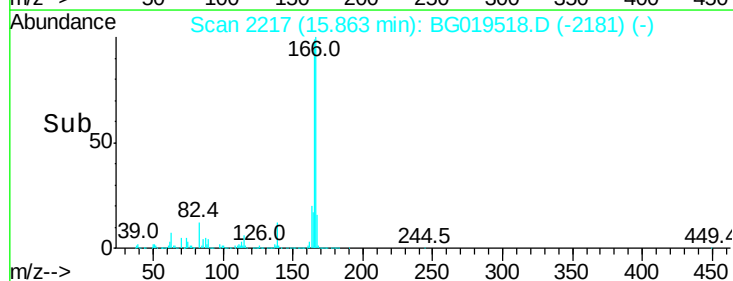
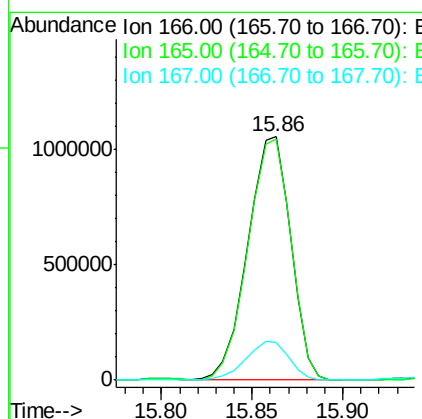
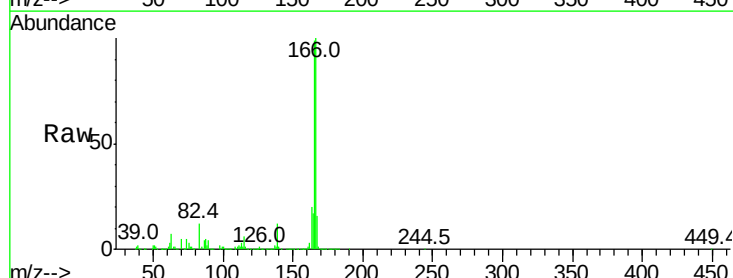
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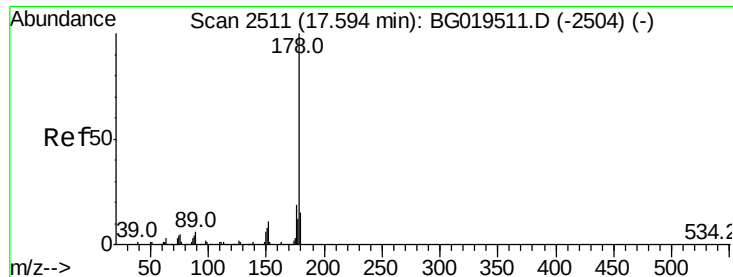
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#59
Fluorene
Concen: 156.51 ng/ul
RT: 15.86 min Scan# 2217
Delta R.T. 0.01 min
Lab File: BG019518.D
Acq: 6 Nov 2015 18:52

Tgt Ion:166 Resp: 1732962
Ion Ratio Lower Upper
166 100
165 98.8 77.6 116.4
167 15.7 9.6 14.4#





#70

Phenanthrene

Concen: 161.18 ng/ul m

RT: 17.60 min Scan# 2513

Delta R.T. 0.01 min

Lab File: BG019518.D

Acq: 6 Nov 2015 18:52

Instrument :

BNA_G

ClientSampleId :

BCY51

Tot Ion:178 Resp: 2812793

Ion Ratio Lower Upper

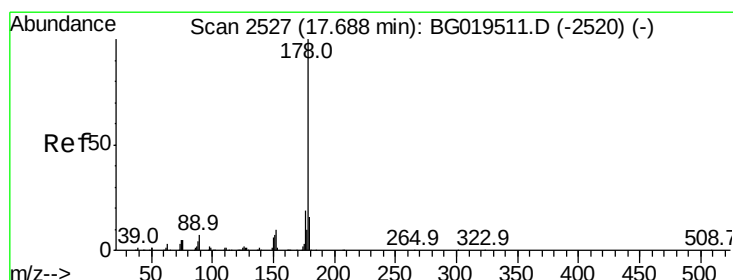
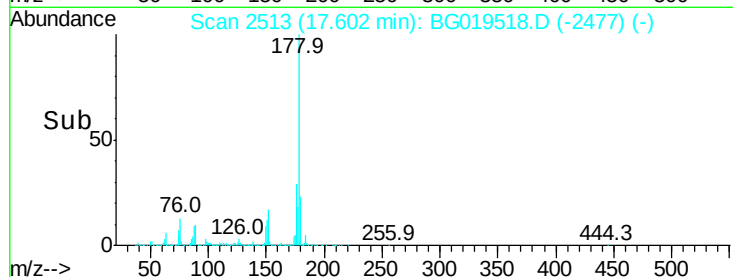
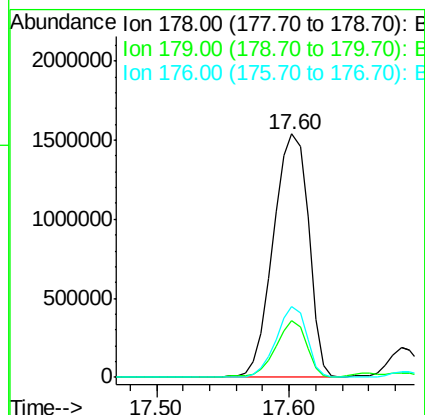
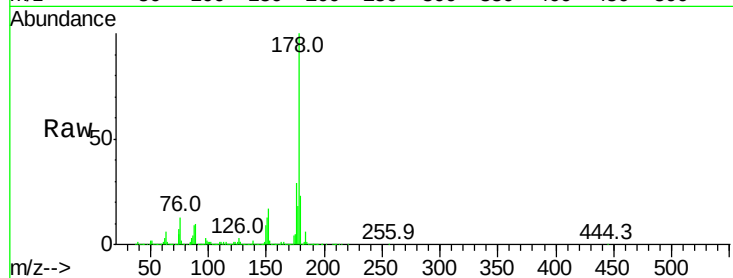
178 100

179 23.2 12.6 18.8#

176 29.2 14.3 21.5#

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#72

Anthracene

Concen: 16.04 ng/ul

RT: 17.68 min Scan# 2527

Delta R.T. -0.00 min

Lab File: BG019518.D

Acq: 6 Nov 2015 18:52

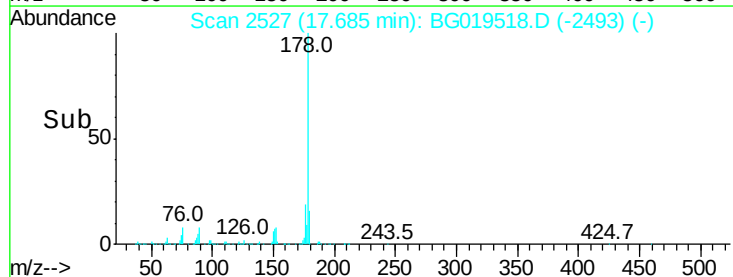
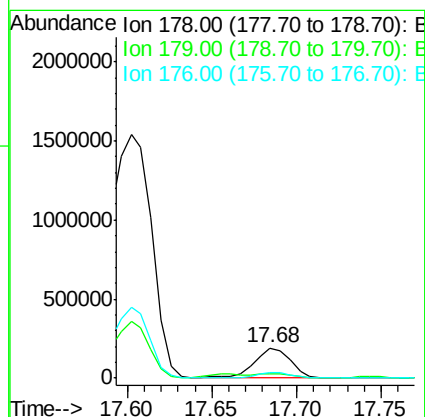
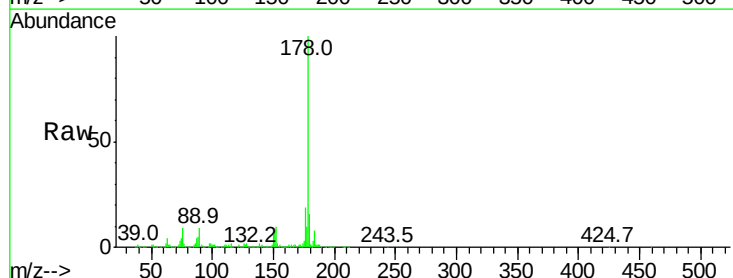
Tgt Ion:178 Resp: 285311

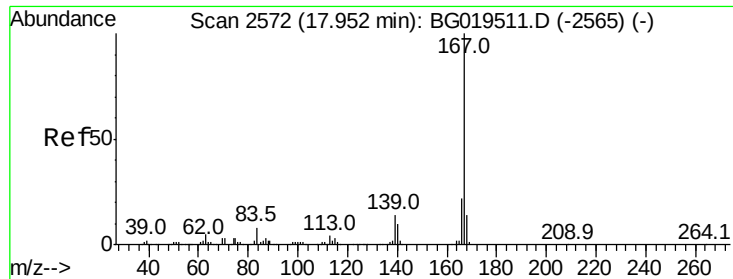
Ion Ratio Lower Upper

178 100

179 15.9 11.6 17.4

176 19.1 14.2 21.4





#75

Carbazole

Concen: 182.04 ng/ul

RT: 17.97 min Scan# 2575

Delta R.T. 0.01 min

Lab File: BG019518.D

Acq: 6 Nov 2015 18:52

Instrument :

BNA_G

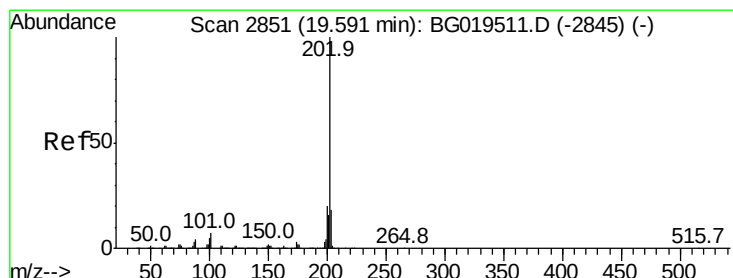
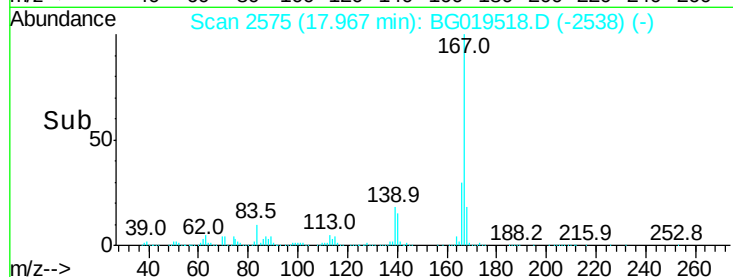
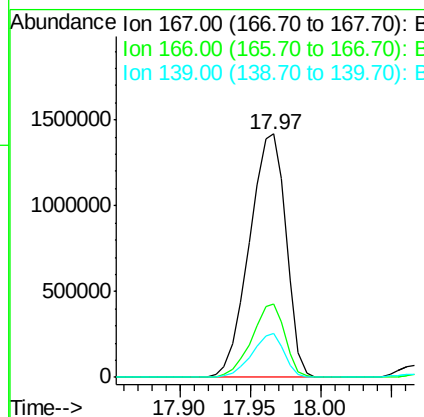
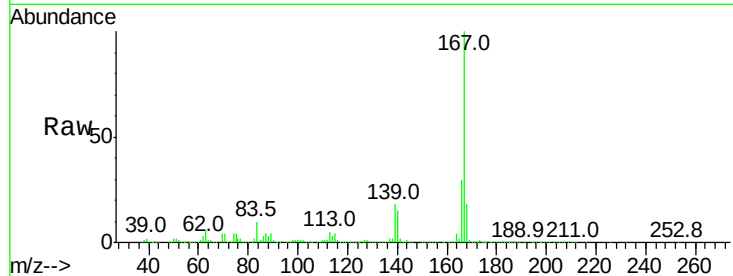
ClientSampleId :

BCY51

Tot Ion:	167	Resp:	2583921
Ion Ratio	Lower	Upper	
167	100		
166	30.1	16.8	25.2#
139	18.3	9.8	14.6#

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#77

Fluoranthene

Concen: 20.39 ng/ul

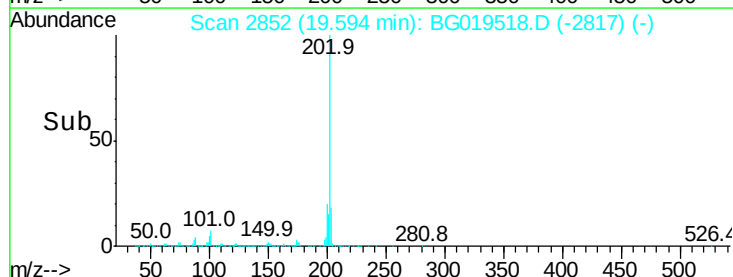
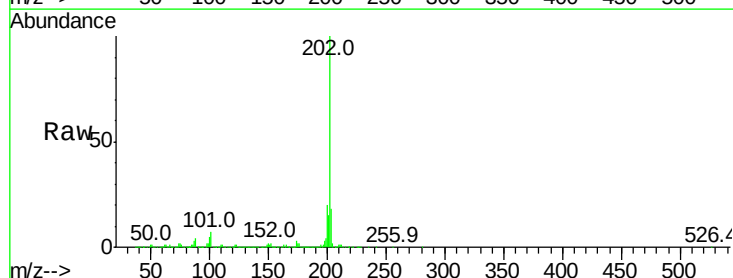
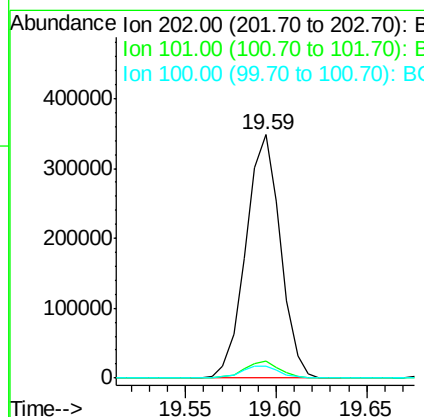
RT: 19.59 min Scan# 2852

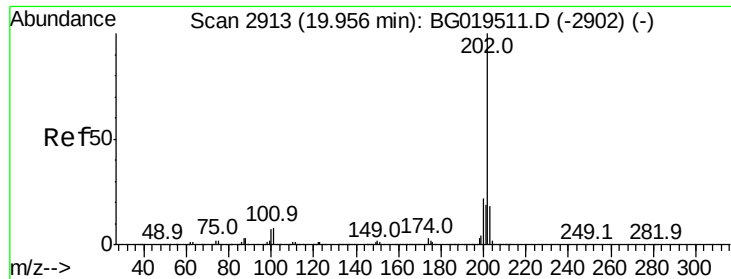
Delta R.T. 0.00 min

Lab File: BG019518.D

Acq: 6 Nov 2015 18:52

Tgt Ion:	202	Resp:	460647
Ion Ratio	Lower	Upper	
202	100		
101	7.3	4.0	6.0#
100	5.1	3.6	5.4





#80
 Pvrene
 Concen: 10.73 ng/ul
 RT: 19.95 min Scan# 2913
 Delta R.T. -0.00 min
 Lab File: BG019518.D
 Acq: 6 Nov 2015 18:52

Instrument :
 BNA_G
 ClientSampleId :
 BCY51

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	7.0	4.3	6.5#
100	6.7	3.6	5.4#

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