

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121416\
 Data File : BG025200.D
 Acq On : 15 Dec 2016 6:47
 Operator : UM/SJ
 Sample : H5970-10
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DA849

Quant Time: Dec 15 10:30:33 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 15 04:58:54 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.24	152	96236	20.00	ng/ul	0.00
18) Naphthalene-d8	11.07	136	427697	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.87	164	348299	20.00	ng/ul	0.01
61) Phenanthrene-d10	17.61	188	628131	20.00	ng/ul	0.00
75) Chrysene-d12	21.89	240	776929	20.00	ng/ul	0.00
83) Perylene-d12	25.32	264	808064	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.59	96	5812	3.12	ng/uL	0.00
5) Phenol-d5	7.39	99	134332	16.18	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.55	67	103670	20.18	ng/ul	0.00
9) 2-Chlorophenol-d4	7.76	132	98786	17.01	ng/ul	0.00
13) 4-Methylphenol-d8	8.94	113	120759	17.40	ng/ul	0.00
19) Nitrobenzene-d5	9.42	128	66009	21.79	ng/ul	0.00
22) 2-Nitrophenol-d4	10.14	143	67262	17.81	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.69	165	122211	16.83	ng/ul	0.00
29) 4-Chloroaniline-d4	11.21	131	700784	98.20	ng/ul	0.01
43) Dimethylphthalate-d6	14.27	166	428012	17.87	ng/ul	0.02
46) Acenaphthylene-d8	14.57	160	526982	20.08	ng/ul	0.02
51) 4-Nitrophenol-d4	15.10	143	151458	36.78	ng/ul	0.04
57) Fluorene-d10	15.86	176	571734	25.35	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	15.99	200	98789	25.44	ng/ul	0.02
70) Anthracene-d10	17.71	188	523962	19.76	ng/ul	0.00
76) Pyrene-d10	19.98	212	601854	18.81	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.08	264	622466	19.01	ng/ul	0.00

Target Compounds

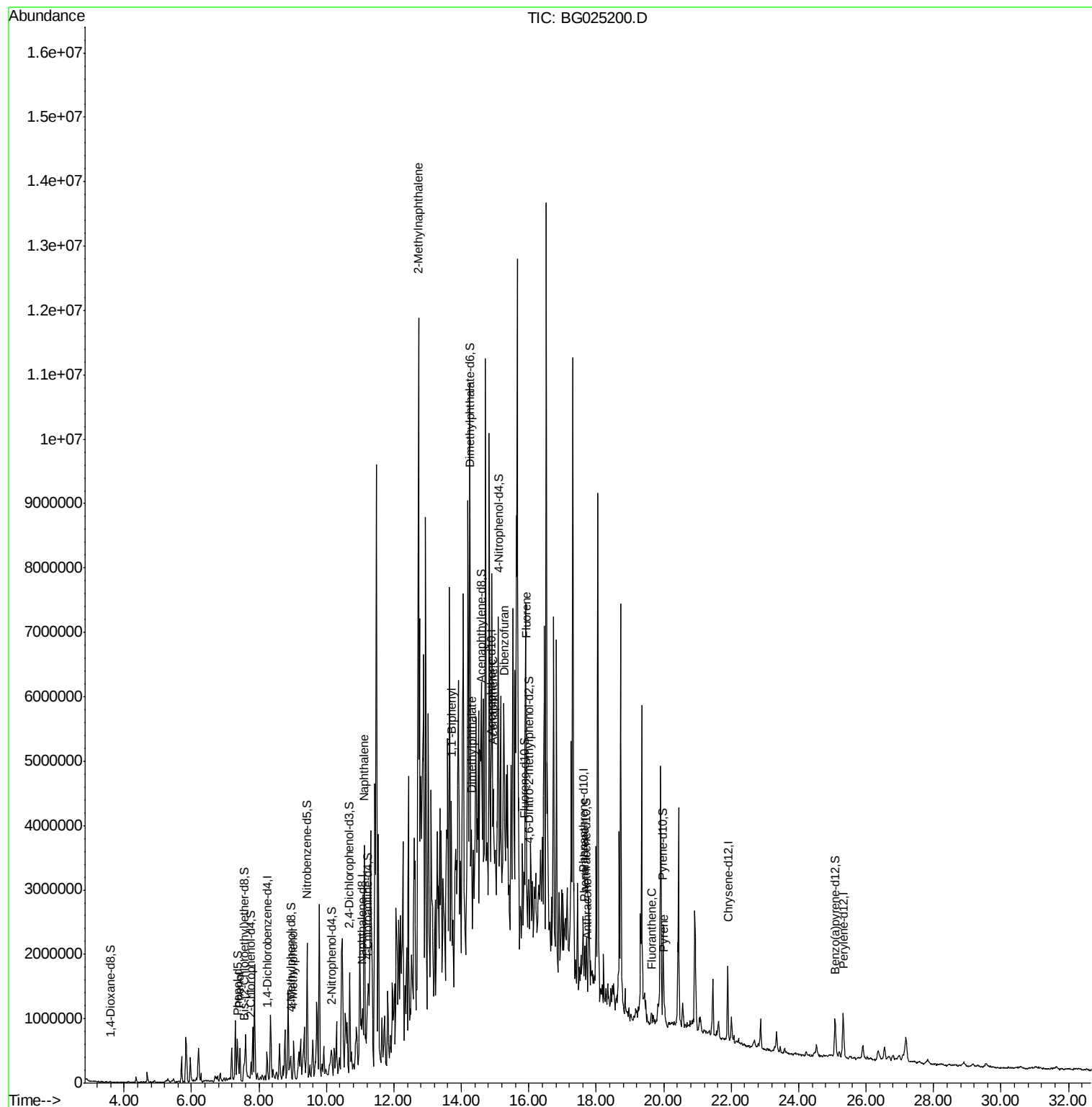
						Ovalue
6) Phenol	7.42	94	25953	3.05	ng/ul#	65
16) 4-Methylphenol	9.01	108	8811	1.26	ng/ul	90
28) Naphthalene	11.12	128	2519154	126.71	ng/ul#	95
34) 2-Methylnaphthalene	12.73	142	4606768	293.62	ng/ul	88
40) 1,1'-Biphenyl	13.71	154	1350992	63.98	ng/ul	96
44) Dimethylphthalate	14.31	163	238285	10.12	ng/ul#	95
49) Acenaphthene	14.94	153	356850	20.42	ng/ul#	86
53) Dibenzofuran	15.27	168	839136	30.36	ng/ul	93
58) Fluorene	15.92	166	921664	40.95	ng/ul#	96
69) Phenanthrene	17.65	178	470891	15.71	ng/ul#	92
71) Anthracene	17.74	178	103898	3.37	ng/ul#	81
74) Fluoranthene	19.64	202	85894	2.41	ng/ul	98
77) Pyrene	20.01	202	91574	2.45	ng/ul	99

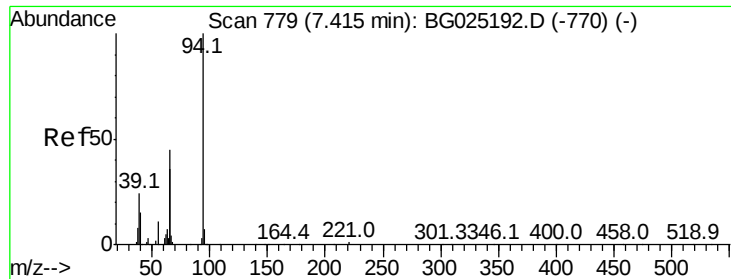
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#6

Phenol

Concen: 3.05 ng/ul

RT: 7.42 min Scan# 780

Delta R.T. 0.01 min

Lab File: BG025200.D

Acq: 15 Dec 2016 6:47

Instrument :

BNA_G

ClientSampleId :

DA849

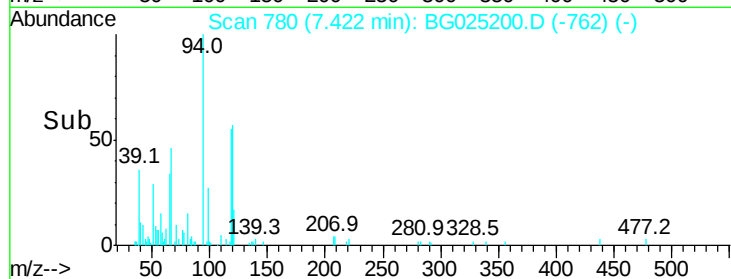
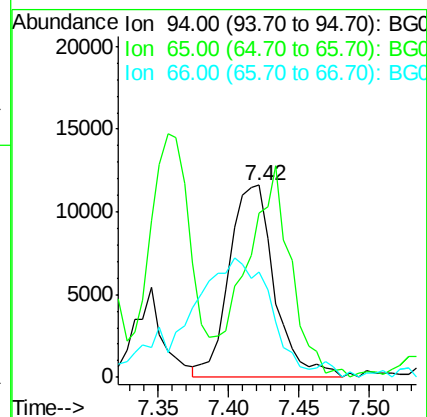
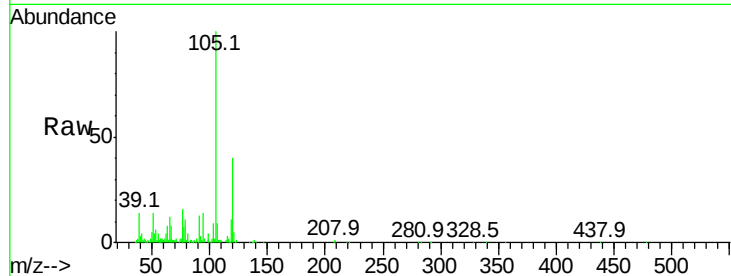
Tot Ion: 94 Resp: 25953

Ion Ratio Lower Upper

94 100

65 85.7 26.8 40.2#

66 54.7 44.4 66.6



#16

4-Methylphenol

Concen: 1.26 ng/ul

RT: 9.01 min Scan# 1051

Delta R.T. 0.01 min

Lab File: BG025200.D

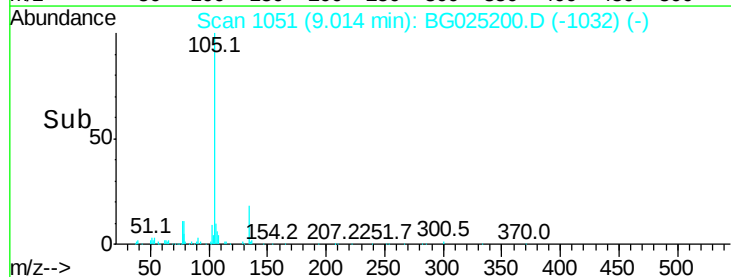
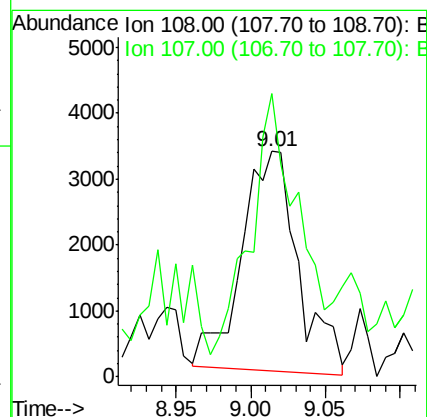
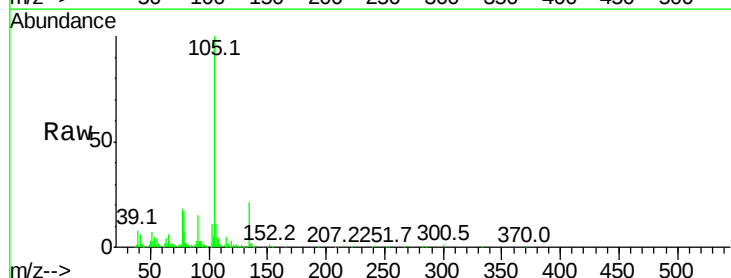
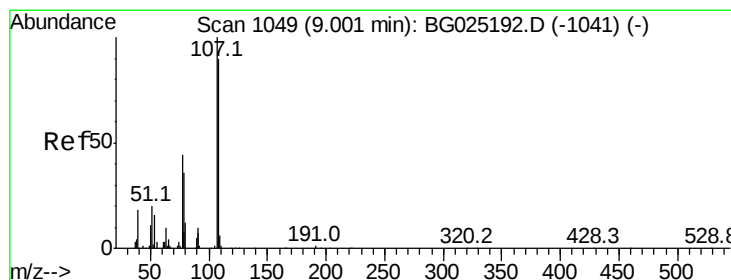
Acq: 15 Dec 2016 6:47

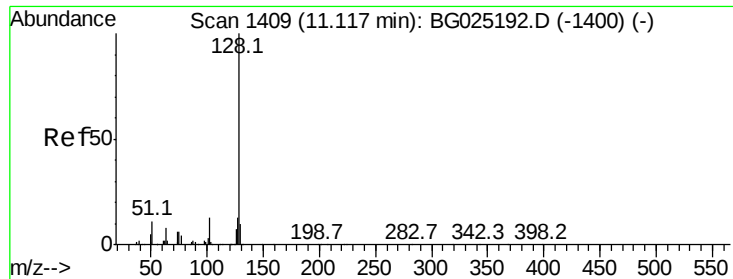
Tgt Ion: 108 Resp: 8811

Ion Ratio Lower Upper

108 100

107 125.7 91.7 137.5

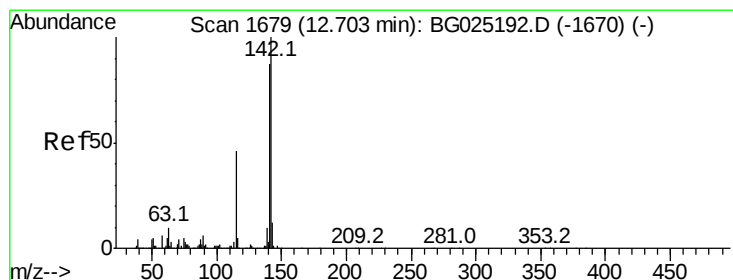
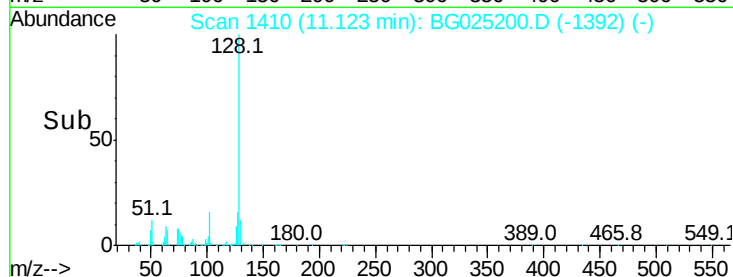
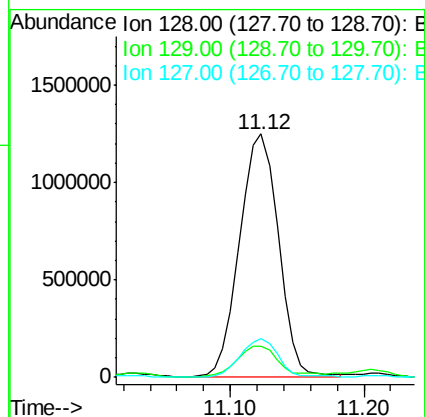
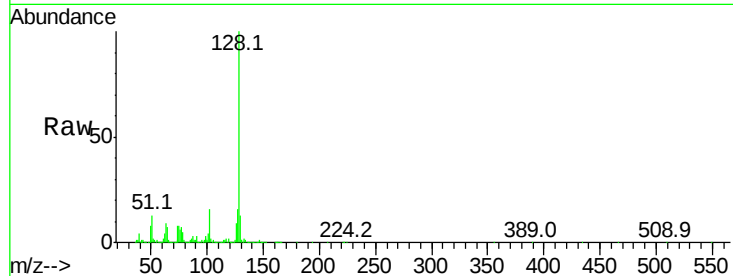




#28
Naphthalene
Concen: 126.71 ng/ul
RT: 11.12 min Scan# 1410
Delta R.T. 0.01 min
Lab File: BG025200.D
Acq: 15 Dec 2016 6:47

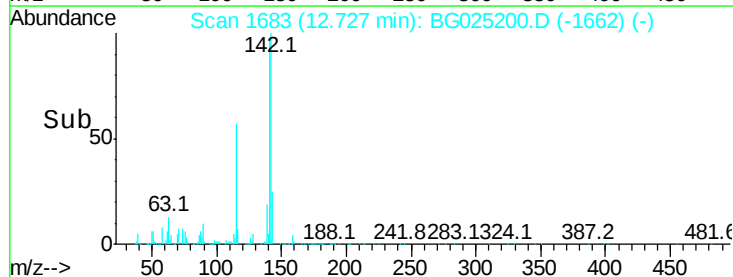
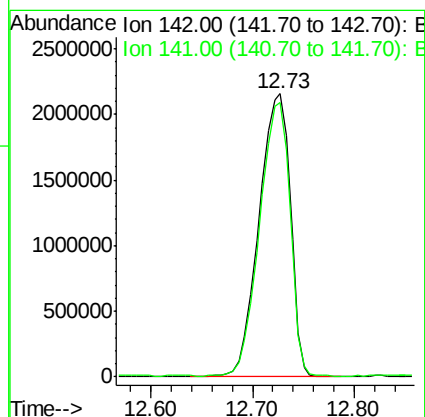
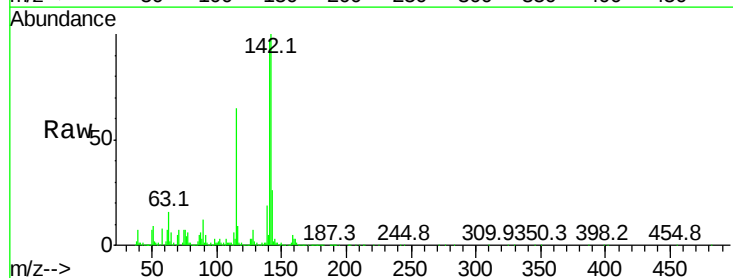
Instrument :
BNA_G
ClientSampleId :
DA849

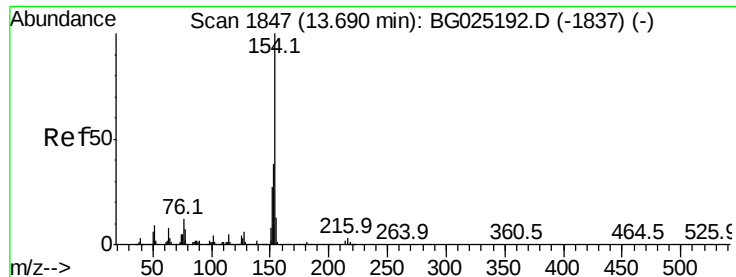
Tot Ion:128 Resp: 2519154
Ion Ratio Lower Upper
128 100
129 12.9 9.4 14.2
127 16.0 10.3 15.5#



#34
2-Methylnaphthalene
Concen: 293.62 ng/ul
RT: 12.73 min Scan# 1683
Delta R.T. 0.02 min
Lab File: BG025200.D
Acq: 15 Dec 2016 6:47

Tgt Ion:142 Resp: 4606768
Ion Ratio Lower Upper
142 100
141 96.8 68.6 102.8





#40

1,1'-Biphenyl

Concen: 63.98 ng/ul

RT: 13.71 min Scan# 1850

Delta R.T. 0.02 min

Lab File: BG025200.D

Acq: 15 Dec 2016 6:47

Instrument :

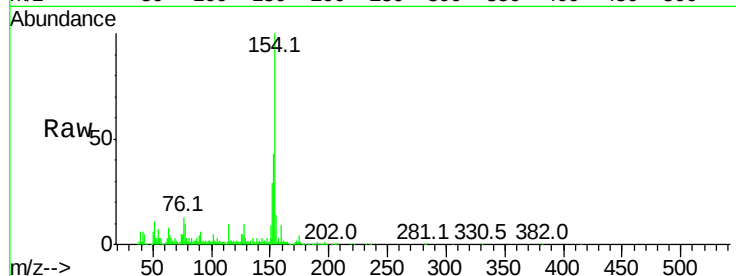
BNA_G

ClientSampled :

DA849

Tot Ion:154 Resp: 1350992

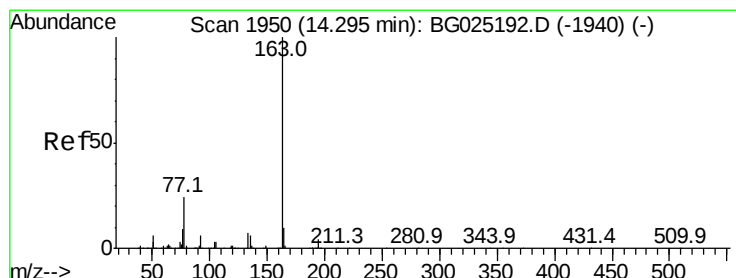
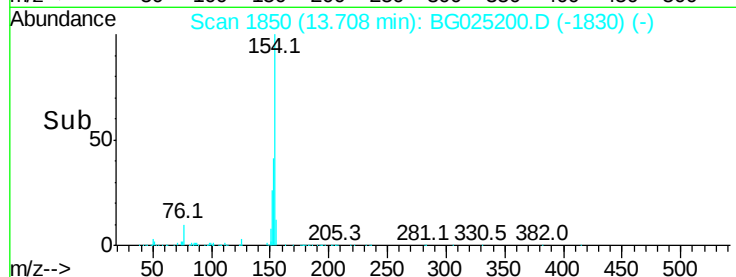
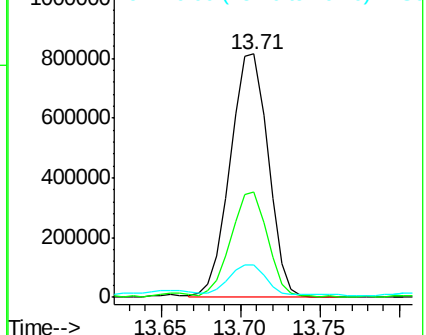
Ion	Ratio	Lower	Upper
154	100		
153	43.1	32.2	48.2
76	13.4	9.6	14.4



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): BGC



#44

Dimethylphthalate

Concen: 10.12 ng/ul

RT: 14.31 min Scan# 1953

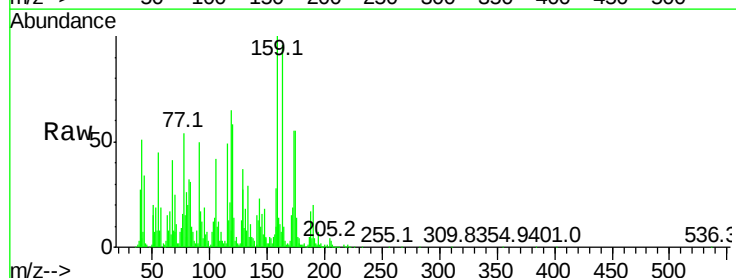
Delta R.T. 0.02 min

Lab File: BG025200.D

Acq: 15 Dec 2016 6:47

Tgt Ion:163 Resp: 238285

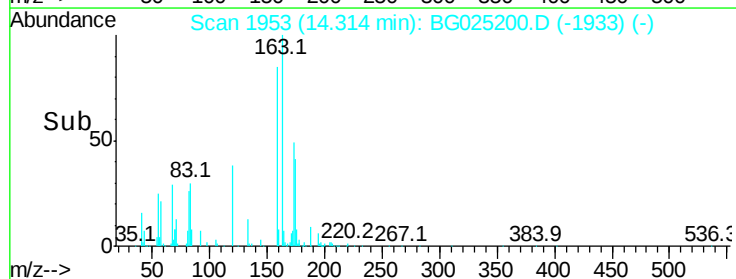
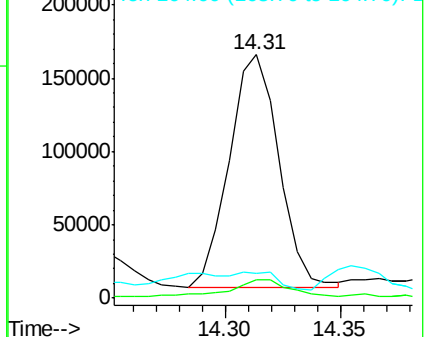
Ion	Ratio	Lower	Upper
163	100		
194	7.6	3.4	5.0#
164	10.2	9.0	13.4

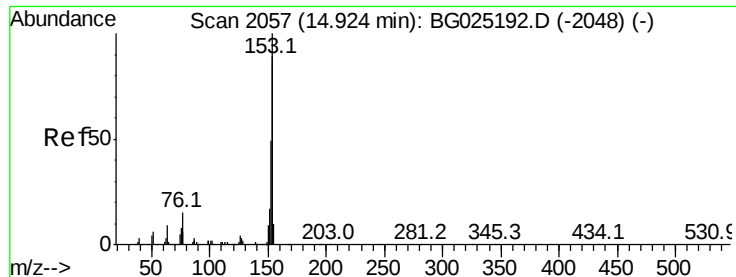


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#49

Acenaphthene

Concen: 20.42 ng/ul

RT: 14.94 min Scan# 2059

Delta R.T. 0.01 min

Lab File: BG025200.D

Acq: 15 Dec 2016 6:47

Instrument :

BNA_G

ClientSampleId :

DA849

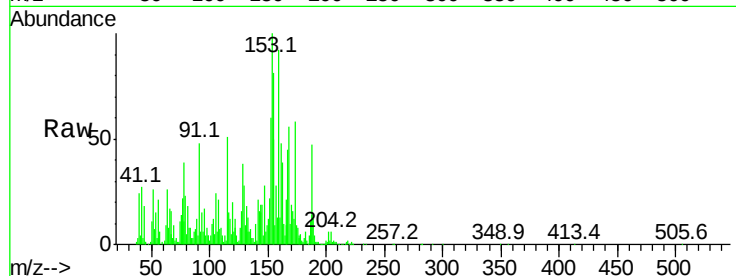
Tot Ion:153 Resp: 356850

Ion Ratio Lower Upper

153 100

152 60.5 36.5 54.7#

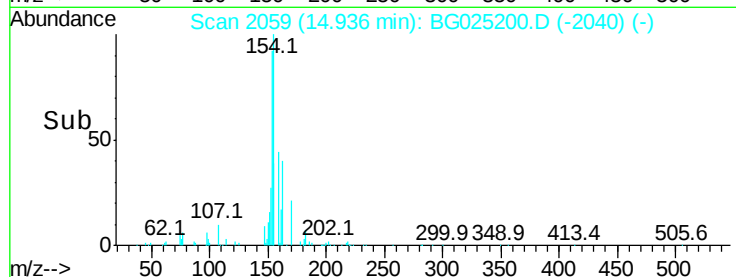
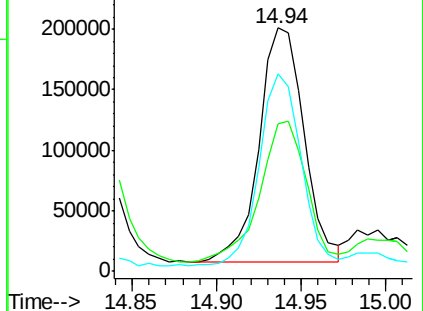
154 81.0 72.3 108.5



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 30.36 ng/ul

RT: 15.27 min Scan# 2116

Delta R.T. 0.02 min

Lab File: BG025200.D

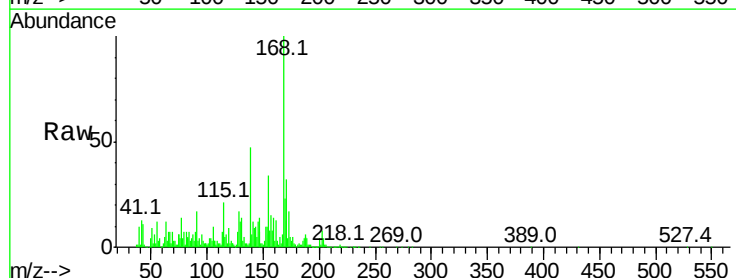
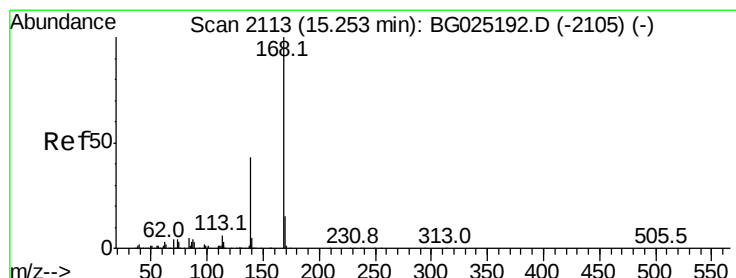
Acq: 15 Dec 2016 6:47

Tgt Ion:168 Resp: 839136

Ion Ratio Lower Upper

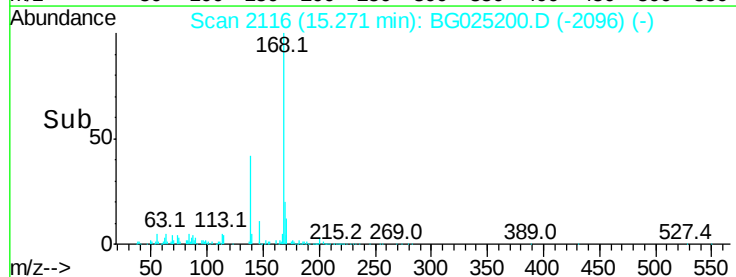
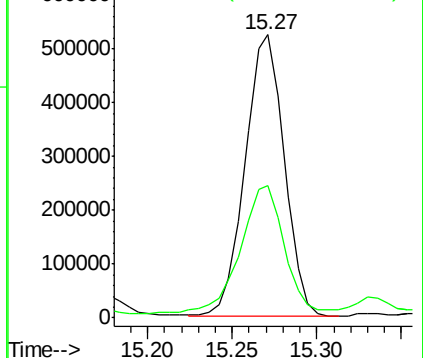
168 100

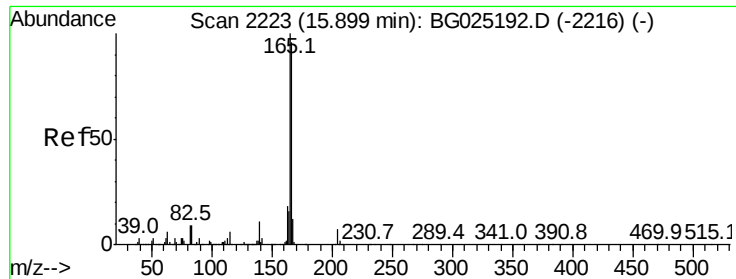
139 46.6 33.8 50.8



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 40.95 ng/ul

RT: 15.92 min Scan# 2226

Delta R.T. 0.02 min

Lab File: BG025200.D

Acq: 15 Dec 2016 6:47

Instrument :

BNA_G

ClientSampleId :

DA849

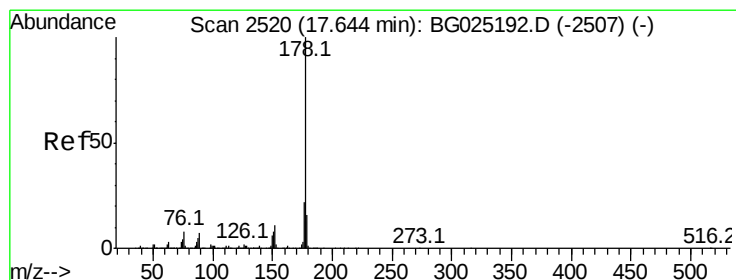
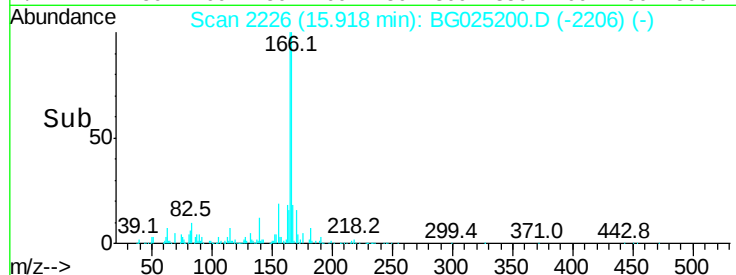
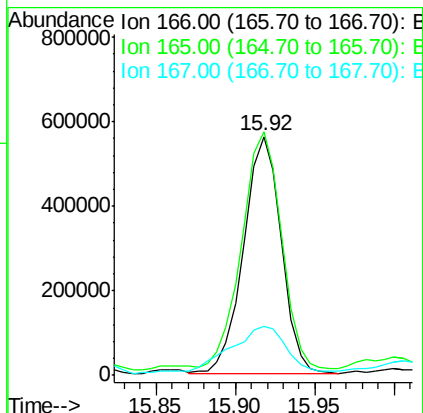
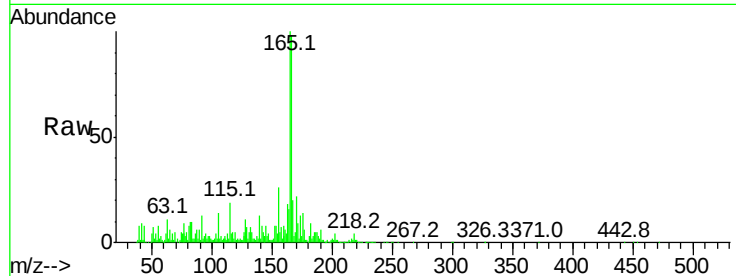
Tot Ion:166 Resp: 921664

Ion Ratio Lower Upper

166 100

165 101.9 79.7 119.5

167 20.5 11.4 17.2#



#69

Phenanthrene

Concen: 15.71 ng/ul

RT: 17.65 min Scan# 2521

Delta R.T. 0.01 min

Lab File: BG025200.D

Acq: 15 Dec 2016 6:47

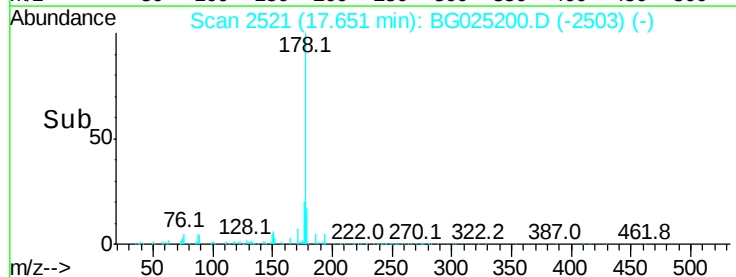
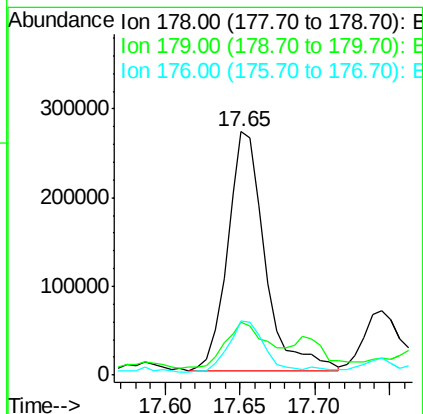
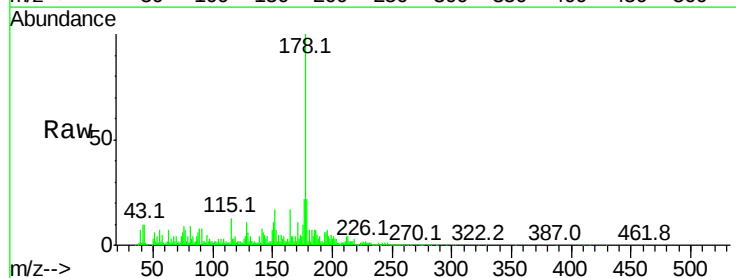
Tgt Ion:178 Resp: 470891

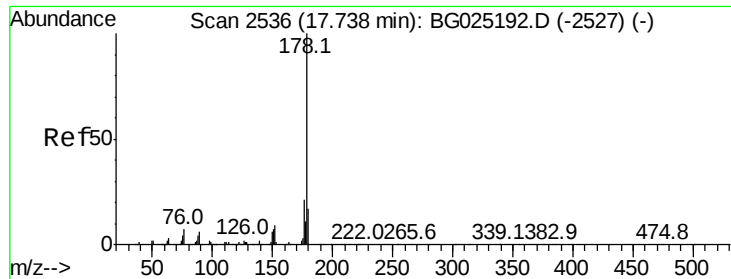
Ion Ratio Lower Upper

178 100

179 21.8 12.4 18.6#

176 22.1 16.5 24.7





#71

Anthracene

Concen: 3.37 ng/ul

RT: 17.74 min Scan# 2537

Delta R.T. 0.01 min

Lab File: BG025200.D

Acq: 15 Dec 2016 6:47

Instrument :

BNA_G

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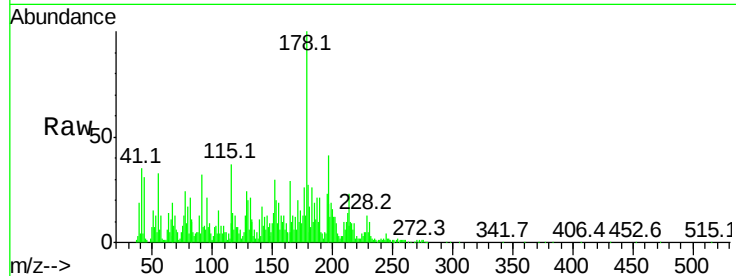
Tot Ion:178 Resp: 103898

Ion Ratio Lower Upper

178 100

179 27.4 12.6 19.0#

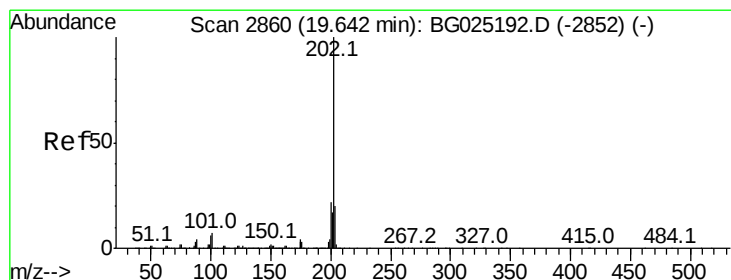
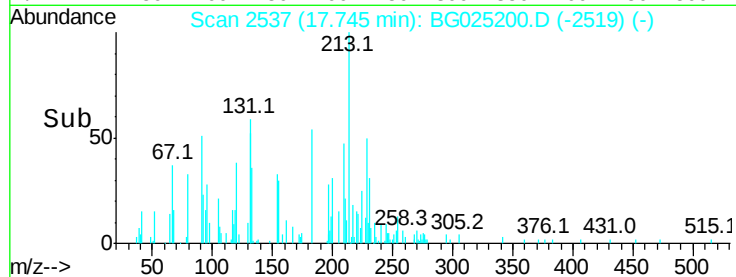
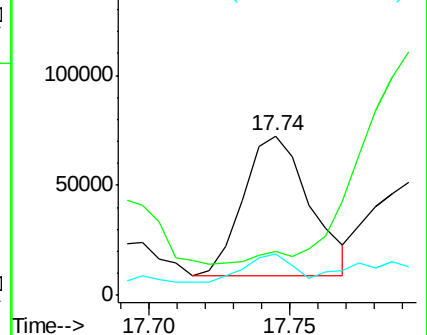
176 25.8 15.9 23.9#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#74

Fluoranthene

Concen: 2.41 ng/ul

RT: 19.64 min Scan# 2860

Delta R.T. 0.00 min

Lab File: BG025200.D

Acq: 15 Dec 2016 6:47

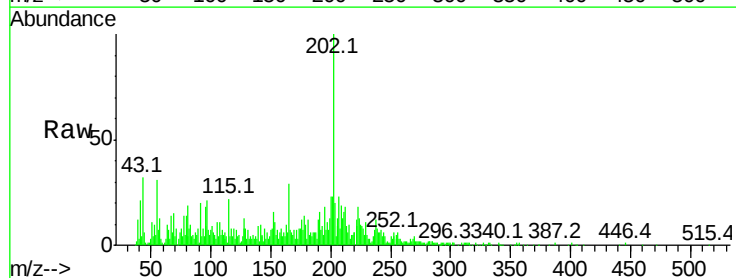
Tgt Ion:202 Resp: 85894

Ion Ratio Lower Upper

202 100

101 8.9 6.2 9.2

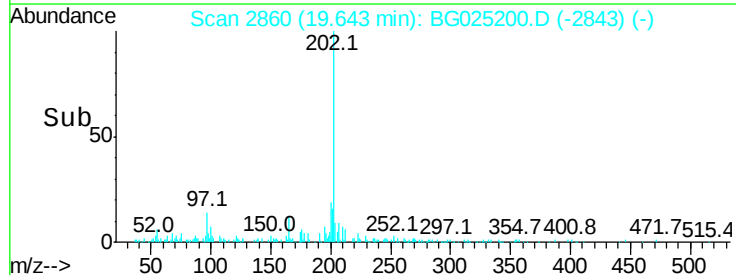
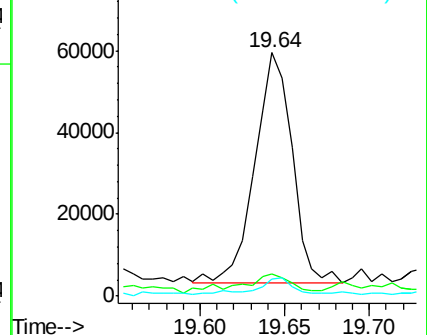
100 6.8 5.2 7.8

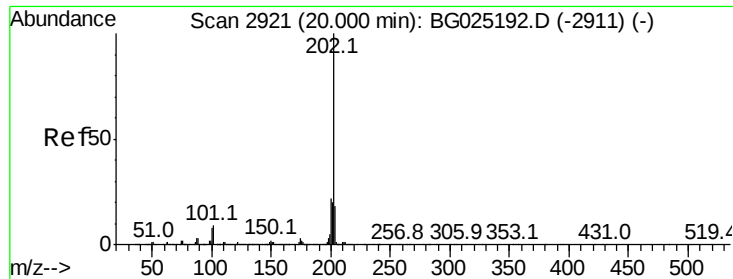


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#77

Pvrene

Concen: 2.45 ng/ul

RT: 20.01 min Scan# 2922

Delta R.T. 0.01 min

Lab File: BG025200.D

Acq: 15 Dec 2016 6:47

Instrument :

BNA_G

ClientSampleId :

DA849

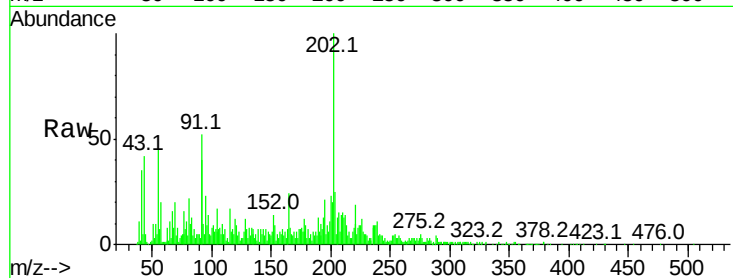
Tot Ion:202 Resp: 91574

Ion Ratio Lower Upper

202 100

101 9.0 6.9 10.3

100 7.7 6.6 10.0



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

