

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121615\
 Data File : BG020203.D
 Acq On : 15 Dec 2015 23:58
 Operator : UM/SJ
 Sample : G4786-14
 Misc :
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 G9C87

Manual Integrations
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MMdadoda
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Quant Time: Dec 16 07:12:18 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 16 03:45:51 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	25291	20.00	ng/ul	0.00
18) Naphthalene-d8	10.96	136	106741m	20.00	ng/ul	0.05
36) Acenaphthene-d10	14.73	164	76704	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	174456	20.00	ng/ul	0.00
78) Chrysene-d12	21.74	240	198827	20.00	ng/ul	0.00
86) Perylene-d12	25.01	264	190676	20.00	ng/ul	0.00

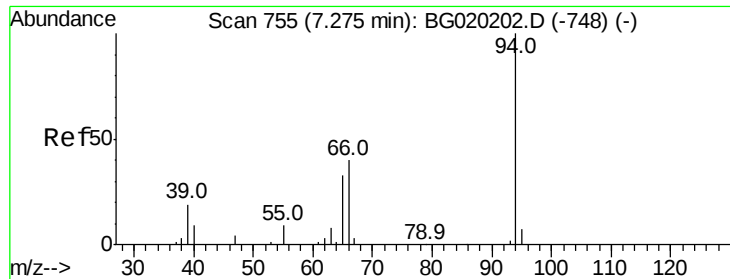
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.48	96	942	2.06	ng/uL	0.00
5) Phenol-d5	7.25	99	15205	6.82	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.42	67	41296	31.03	ng/ul	0.00
9) 2-Chlorophenol-d4	7.63	132	42221	26.03	ng/ul	0.00
13) 4-Methylphenol-d8	8.80	113	30450	15.97	ng/ul	0.00
19) Nitrobenzene-d5	9.27	128	34132	41.02	ng/ul	0.00
22) 2-Nitrophenol-d4	10.00	143	34048	36.77	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.55	165	56890	30.33	ng/ul	0.02
29) 4-Chloroaniline-d4	11.06	131	9627	4.57	ng/ul	0.02
44) Dimethylphthalate-d6	14.13	166	196941	31.74	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	238398	33.02	ng/ul	0.00
52) 4-Nitrophenol-d4	14.92	143	8884	7.98	ng/ul	0.00
58) Fluorene-d10	15.72	176	176899	31.43	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.83	200	37326	36.09	ng/ul	0.00
71) Anthracene-d10	17.57	188	277357	34.50	ng/ul	0.00
79) Pyrene-d10	19.85	212	305417	32.96	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.79	264	334031	35.12	ng/ul	0.00

Target Compounds

					Ovalue
6) Phenol	7.28	94	50487	21.14	ng/ul 96
11) 2-Methylphenol	8.54	108	29846	16.38	ng/ul 89
14) Acetophenone	8.92	105	40779	13.66	ng/ul 92
16) 4-Methylphenol	8.88	108	147491	73.14	ng/ul 90
24) 2,4-Dimethylphenol	10.12	107	105684m	46.88	ng/ul
28) Naphthalene	11.07	128	10225333	1834.40	ng/ul# 32
34) 2-Methylnaphthalene	12.58	142	1213916	285.10	ng/ul 100
35) 1-Methylnaphthalene	12.81	142	1586009	387.46	ng/ul# 93
41) 1,1'-Biphenyl	13.57	154	268531	46.40	ng/ul 97
48) Acenaphthylene	14.45	152	46854	6.11	ng/ul# 78
50) Acenaphthene	14.79	153	257755	49.95	ng/ul 98
54) Dibenzofuran	15.12	168	45751	5.96	ng/ul 95
59) Fluorene	15.78	166	233867	37.94	ng/ul 100
70) Phenanthrene	17.51	178	422468	44.27	ng/ul 100
72) Anthracene	17.60	178	73208	7.56	ng/ul 99
75) Carbazole	17.87	167	74488	9.16	ng/ul 98
77) Fluoranthene	19.51	202	29798	2.67	ng/ul 97
80) Pyrene	19.88	202	37799	3.14	ng/ul 98

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



#6

Phenol

Concen: 21.14 ng/ul

RT: 7.28 min Scan# 756

Delta R.T. 0.00 min

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Instrument :

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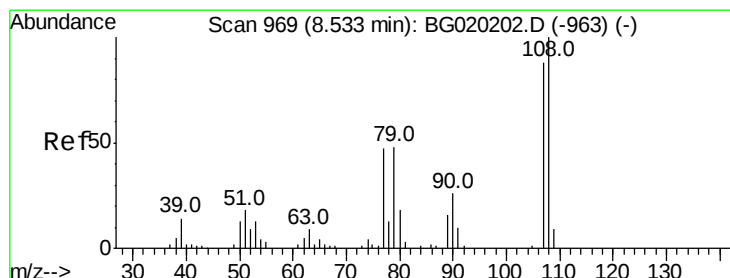
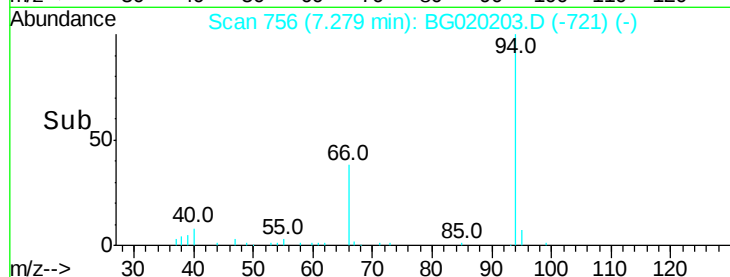
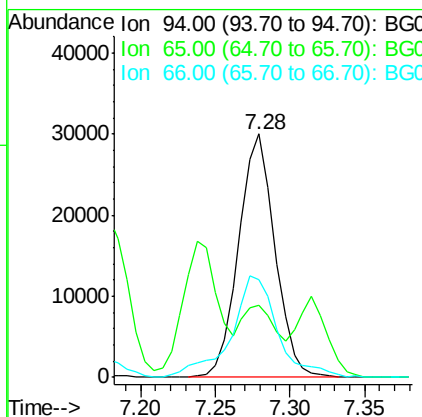
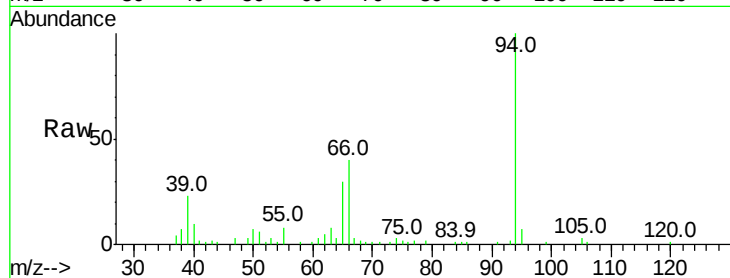
ClientSampleId :

G9C87

Tot Ion:	94	Resp:	50487
Ion	Ratio	Lower	Upper
94	100		
65	29.8	26.3	39.5
66	40.0	33.3	49.9

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#11

2-Methylphenol

Concen: 16.38 ng/ul

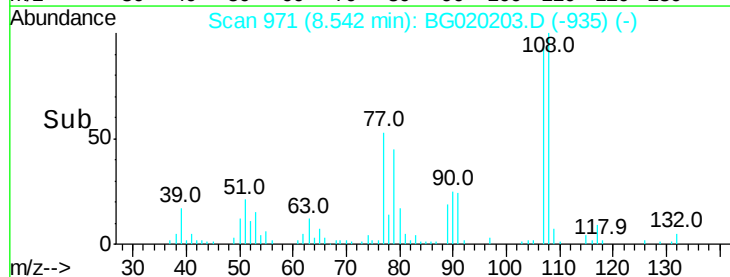
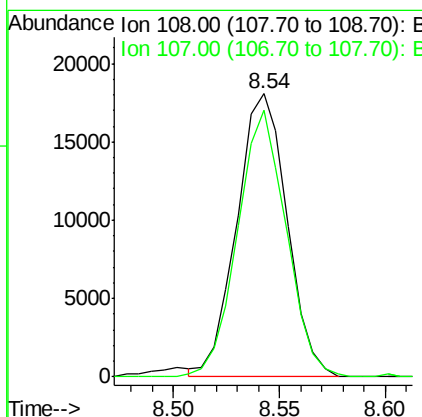
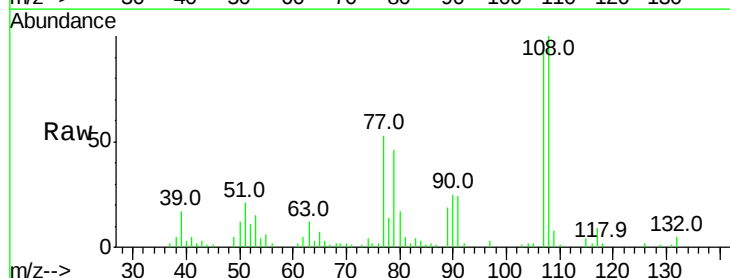
RT: 8.54 min Scan# 971

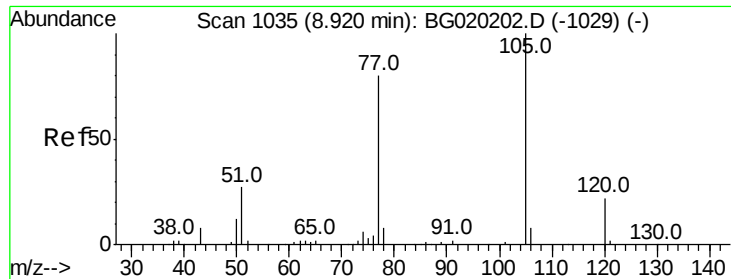
Delta R.T. 0.01 min

Lab File: BG020203.D

Acq: 15 Dec 2015 23:58

Tgt Ion:	108	Resp:	29846
Ion	Ratio	Lower	Upper
108	100		
107	94.1	67.5	101.3





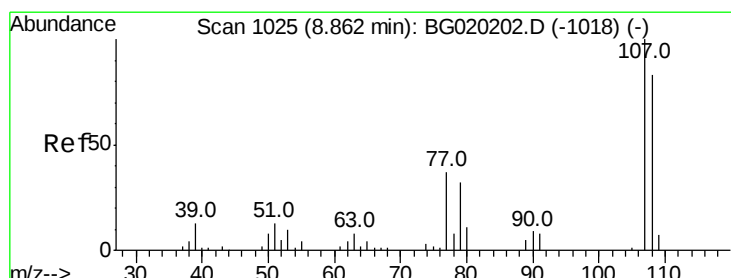
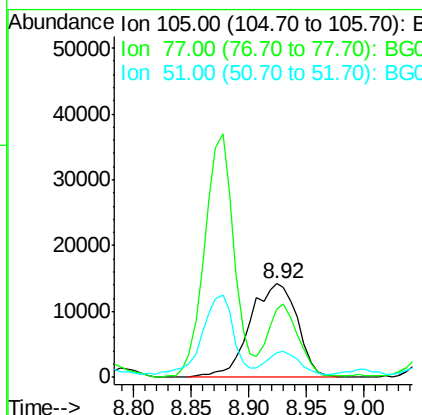
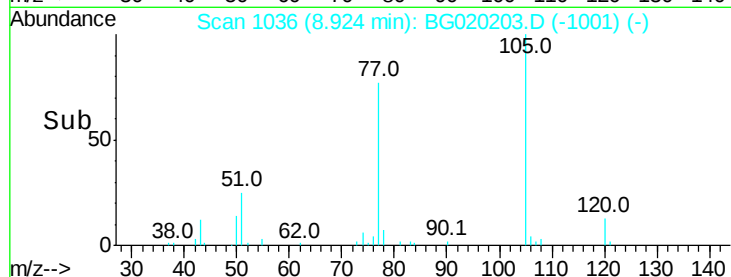
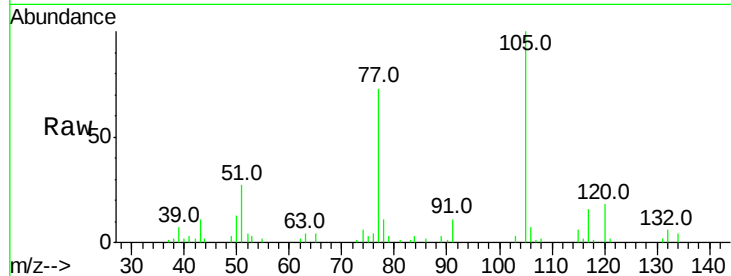
#14
 Acetophenone
 Concen: 13.66 ng/ul
 RT: 8.92 min Scan# 1036
 Delta R.T. 0.00 min
 Lab File: BG020203.D
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 ClientSampleId :
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Tot Ion:	105	Resp:	40779
Ion Ratio	Lower	Upper	
105	100		
77	72.6	65.2	97.8
51	27.1	22.6	33.8

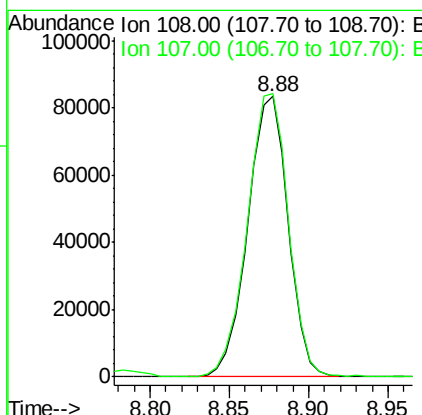
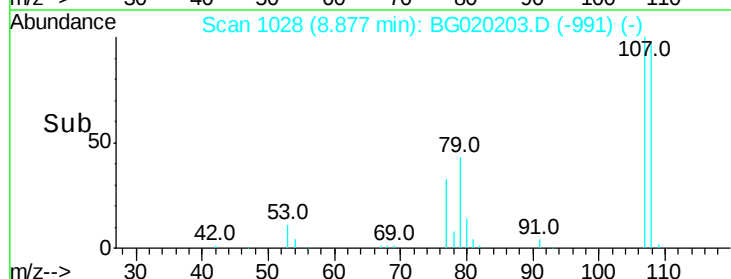
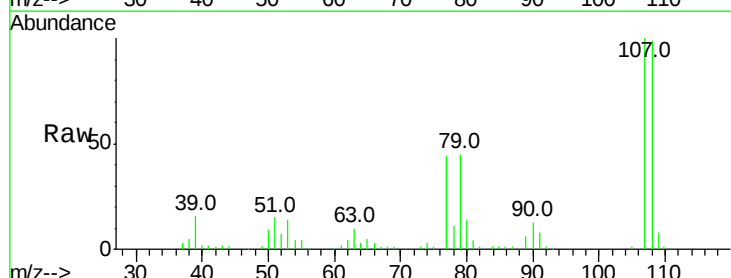
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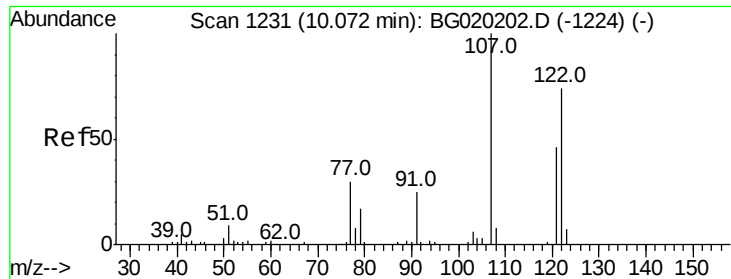
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#16
 4-Methylphenol
 Concen: 73.14 ng/ul
 RT: 8.88 min Scan# 1028
 Delta R.T. 0.02 min
 Lab File: BG020203.D
 Acq: 15 Dec 2015 23:58

Tgt Ion:	108	Resp:	147491
Ion Ratio	Lower	Upper	
108	100		
107	101.0	88.9	133.3





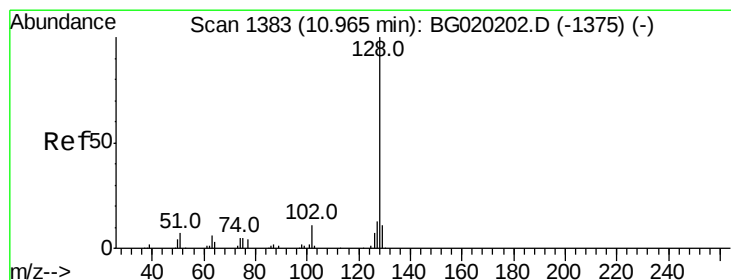
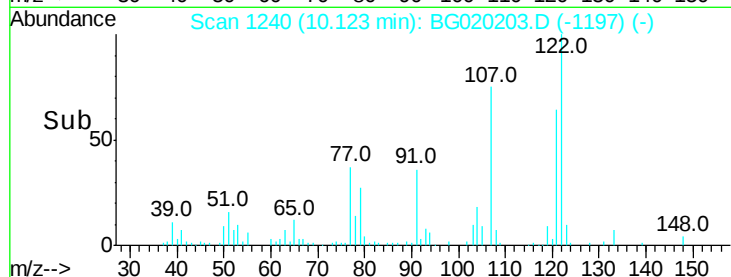
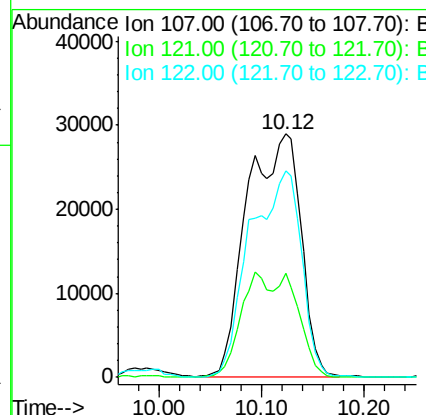
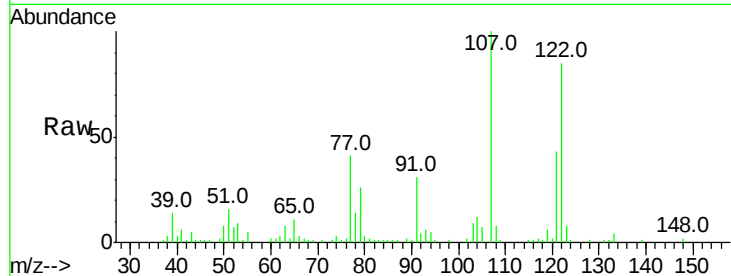
#24
2,4-Dimethylphenol
Concen: 46.88 ng/ul m
RT: 10.12 min Scan# 1240
Delta R.T. 0.05 min
Lab File: BG020203.D
Acq: 15 Dec 2015 23:58

Instrument :
BNA_G
ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
107	100	105684		
121	42.6	39.0	58.4	
122	84.8	62.1	93.1	

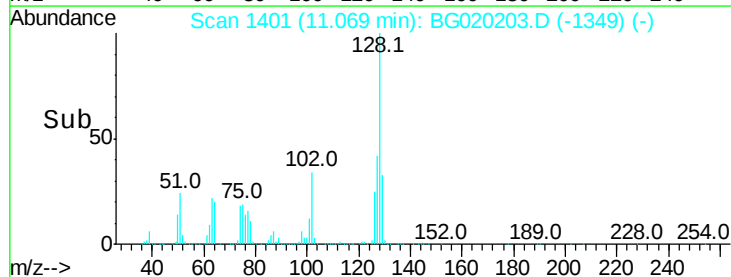
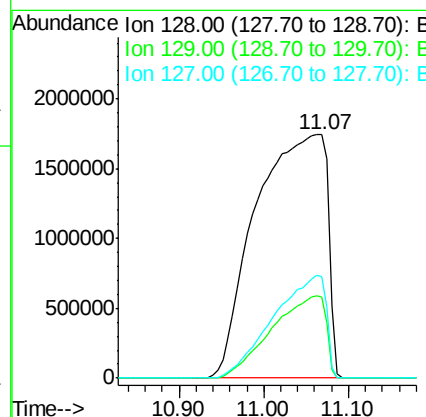
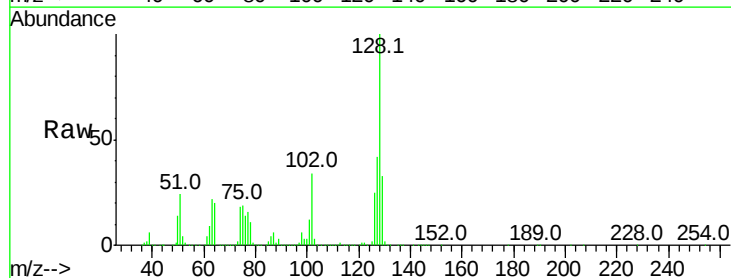
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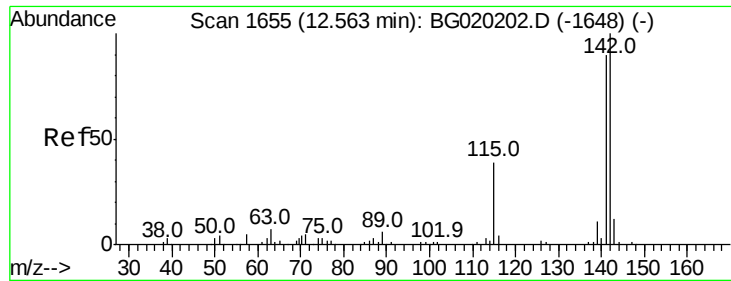
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#28
Naphthalene
Concen: 1834.40 ng/ul
RT: 11.07 min Scan# 1401
Delta R.T. 0.10 min
Lab File: BG020203.D
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Tgt Ion	Ratio	Resp	Lower	Upper
128	100	10225333		
129	33.3	8.6	12.8#	
127	41.9	10.1	15.1#	





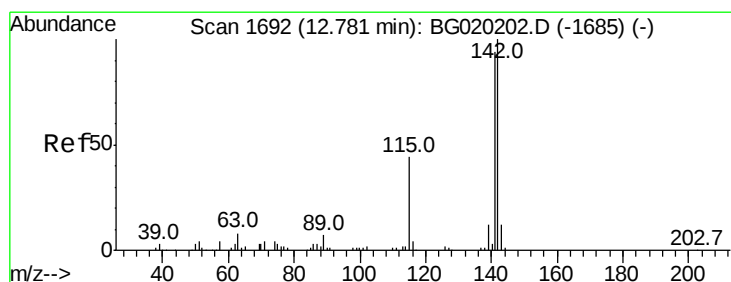
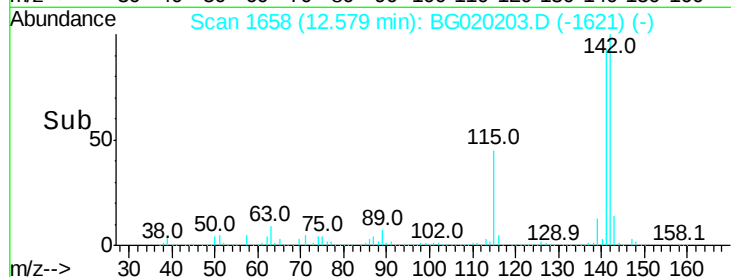
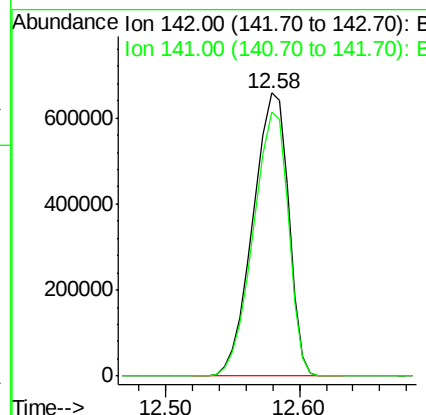
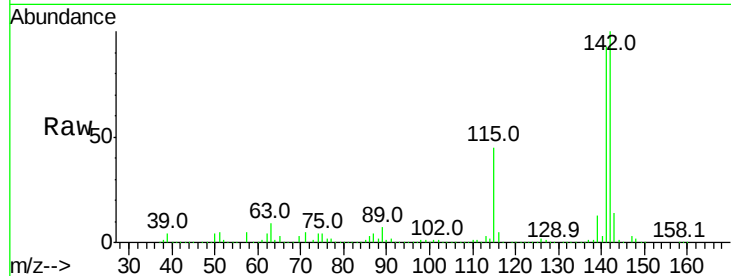
#34
2-Methylnaphthalene
Concen: 285.10 ng/ul
RT: 12.58 min Scan# 1658
Delta R.T. 0.02 min
Lab File: BG020203.D
Acq: 15 Dec 2015 23:58

Instrument :
BNA_G
ClientSampleId :
G9C87

Tot Ion:142 Resp: 1213916
Ion Ratio Lower Upper
142 100
141 93.3 74.9 112.3

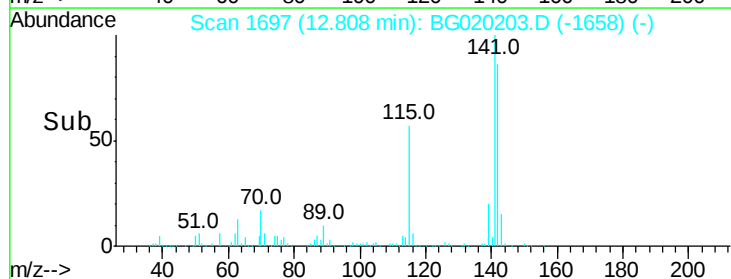
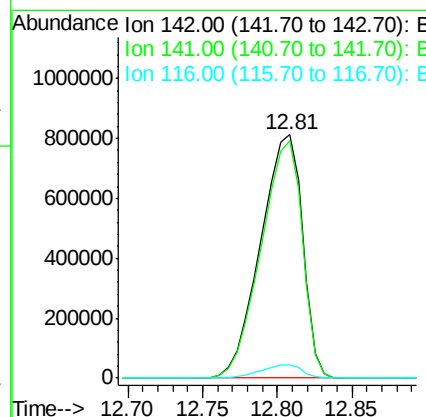
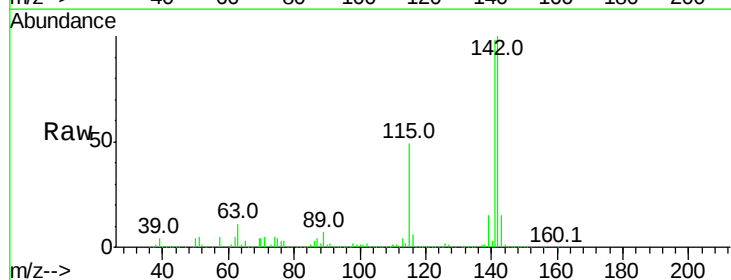
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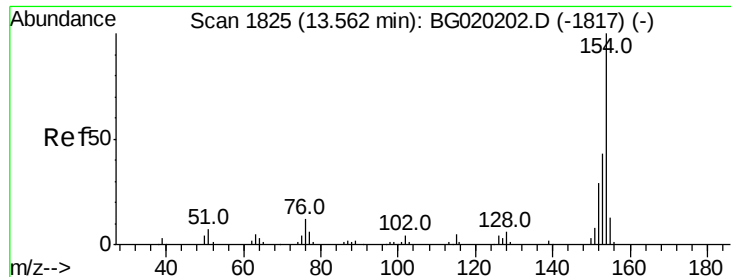
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#35
1-Methylnaphthalene
Concen: 387.46 ng/ul
RT: 12.81 min Scan# 1697
Delta R.T. 0.03 min
Lab File: BG020203.D
Acq: 15 Dec 2015 23:58

Tgt Ion:142 Resp: 1586009
Ion Ratio Lower Upper
142 100
141 97.7 73.0 109.6
116 5.5 3.0 4.6#





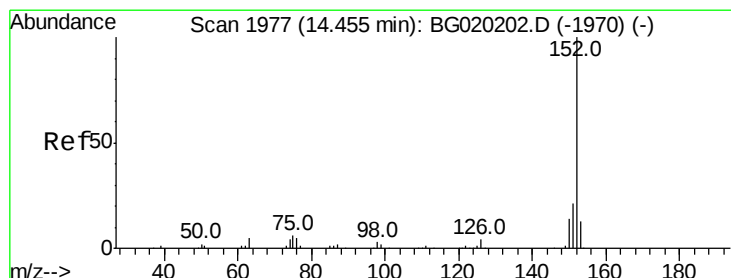
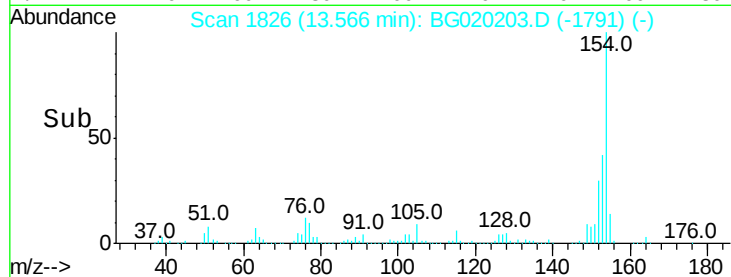
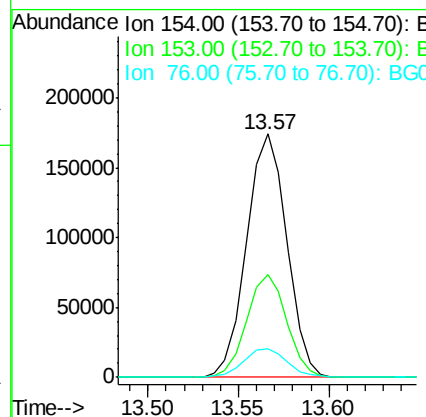
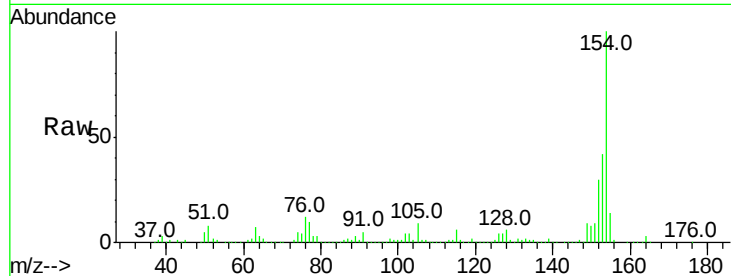
#41
 1,1'-Biphenyl
 Concen: 46.40 ng/ul
 RT: 13.57 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: BG020203.D
 Acq: 15 Dec 2015 23:58

Instrument :
 BNA_G
 ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
154	100	268531		
153	42.2	35.5	53.3	
76	11.9	10.4	15.6	

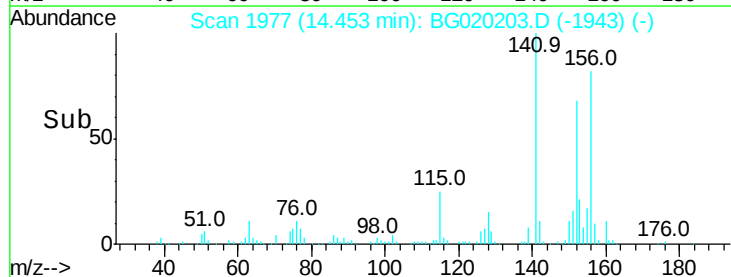
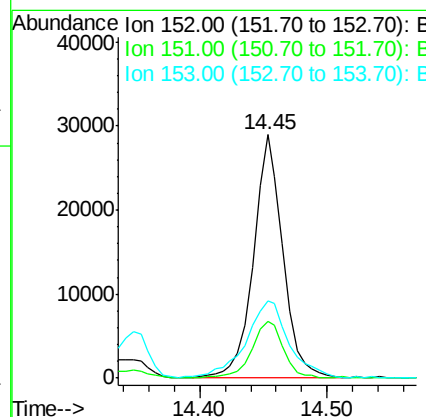
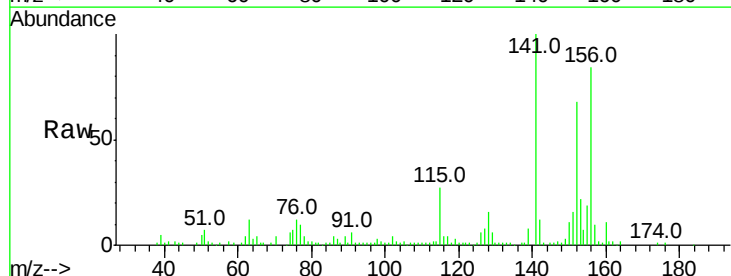
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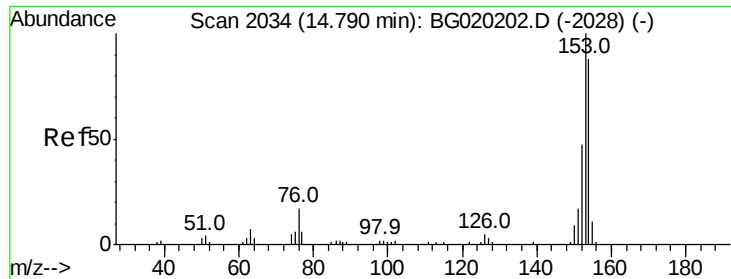
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#48
 Acenaphthylene
 Concen: 6.11 ng/ul
 RT: 14.45 min Scan# 1977
 Delta R.T. -0.00 min
 Lab File: BG020203.D
 Acq: 15 Dec 2015 23:58

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	46854		
151	23.4	16.4	24.6	
153	31.6	10.4	15.6#	





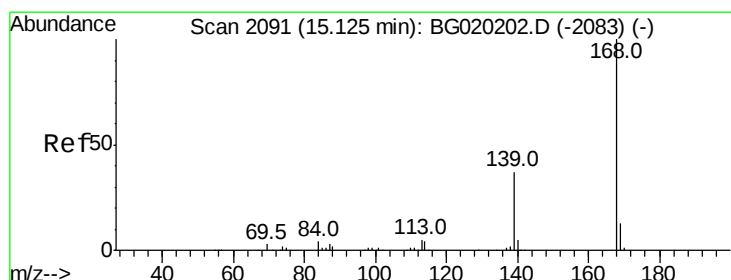
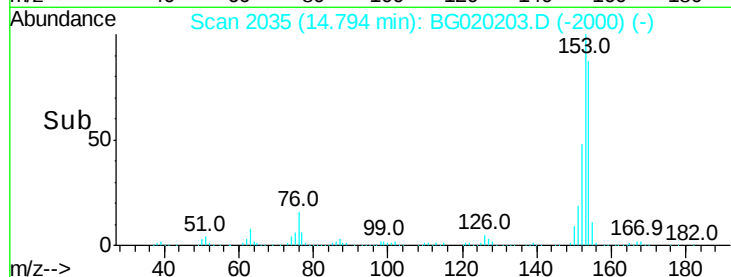
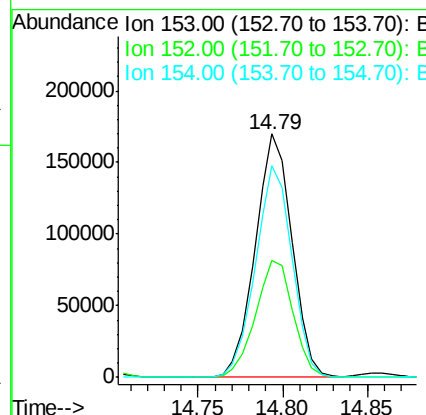
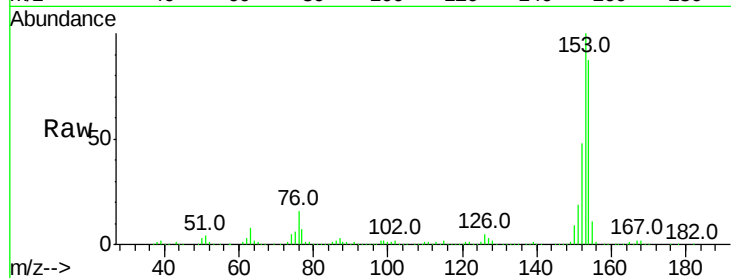
#50
Acenaphthene
Concen: 49.95 ng/ul
RT: 14.79 min Scan# 2035
Delta R.T. 0.00 min
Lab File: BG020203.D
Acq: 15 Dec 2015 23:58

Instrument :
BNA_G
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G9C87

Tot Ion	Ratio	Resp	Lower	Upper
153	100	257755		
152	48.2		37.6	56.4
154	86.8		67.9	101.9

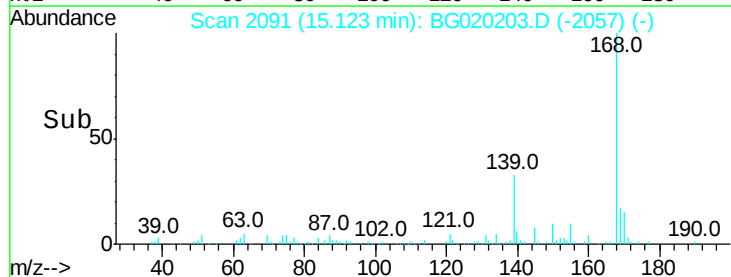
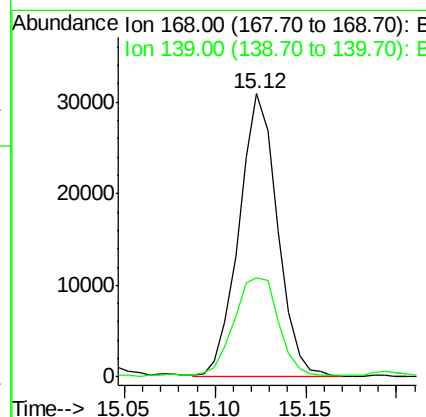
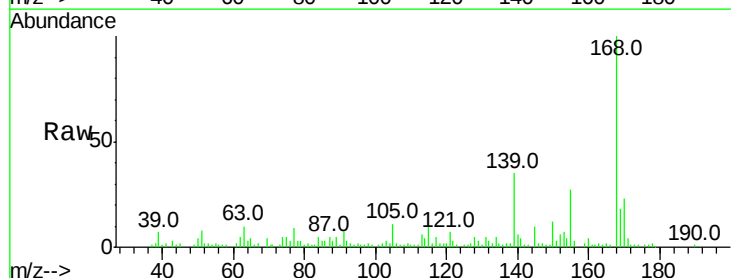
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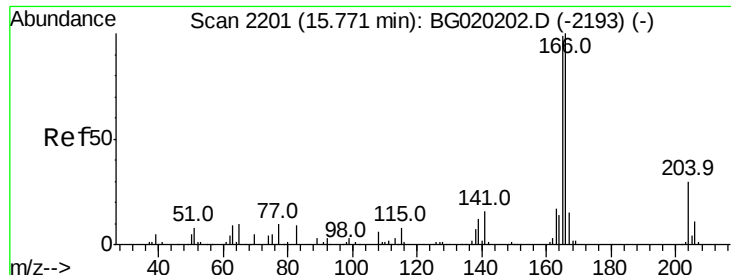
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#54
Dibenzofuran
Concen: 5.96 ng/ul
RT: 15.12 min Scan# 2091
Delta R.T. -0.00 min
Lab File: BG020203.D
Acq: 15 Dec 2015 23:58

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	45751		
139	35.2		30.5	45.7





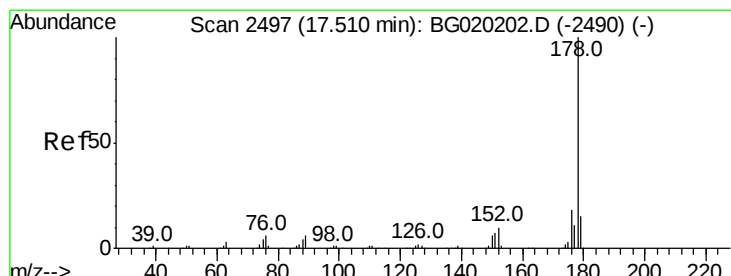
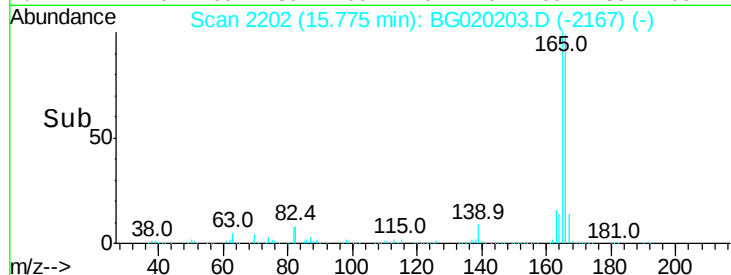
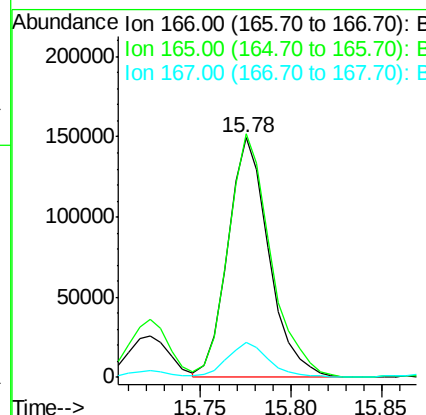
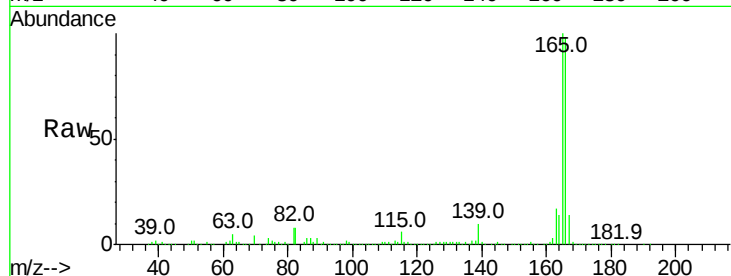
#59
Fluorene
 Concen: 37.94 ng/ul
 RT: 15.78 min Scan# 2202
 Delta R.T. 0.00 min
 Lab File: BG020203.D
 Acq: 15 Dec 2015 23:58

Instrument :
 BNA_G
 ClientSampleId :
 G9C87

Tot Ion	Ratio	Lower	Upper
166	100		
165	101.7	81.4	122.0
167	14.7	11.2	16.8

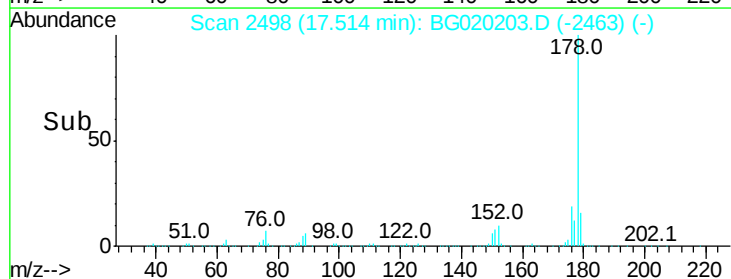
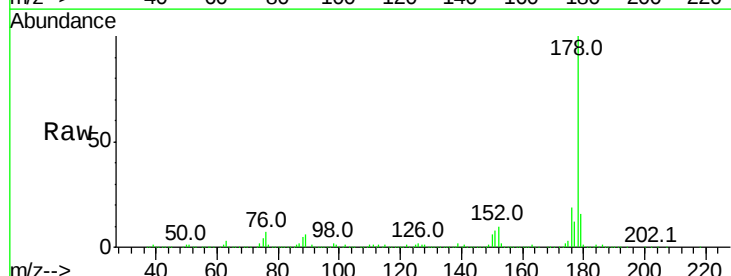
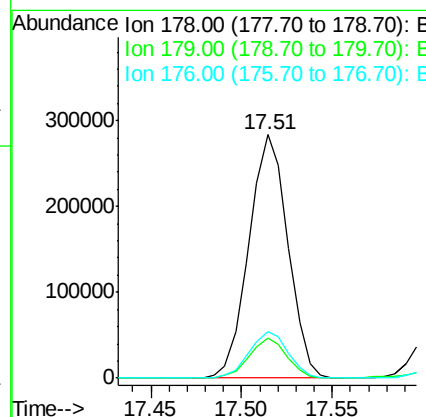
Manual Integrations
 APPROVED

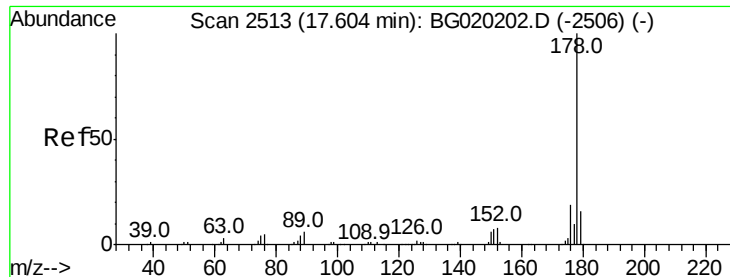
MMdadoda
 12/16/2015 5:45:26 PM



#70
Phenanthrene
 Concen: 44.27 ng/ul
 RT: 17.51 min Scan# 2498
 Delta R.T. 0.00 min
 Lab File: BG020203.D
 Acq: 15 Dec 2015 23:58

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.3	12.9	19.3
176	19.3	15.3	22.9





#72

Anthracene

Concen: 7.56 ng/ul

RT: 17.60 min Scan# 2513

Delta R.T. -0.00 min

Lab File: BG020203.D

Acq: 15 Dec 2015 23:58

Instrument :

BNA_G

ClientSampleId :

G9C87

Tot Ion:178 Resp: 73208

Ion Ratio Lower Upper

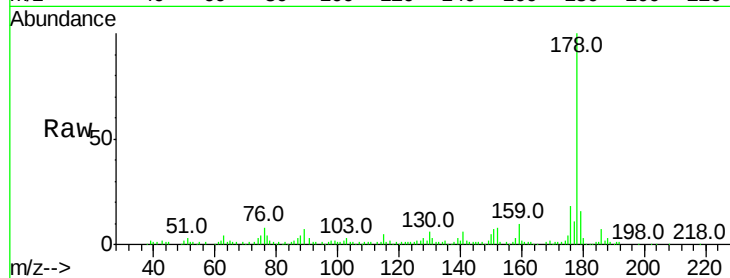
178 100

179 16.5 12.3 18.5

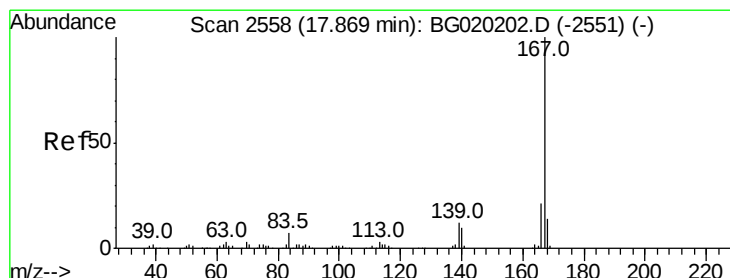
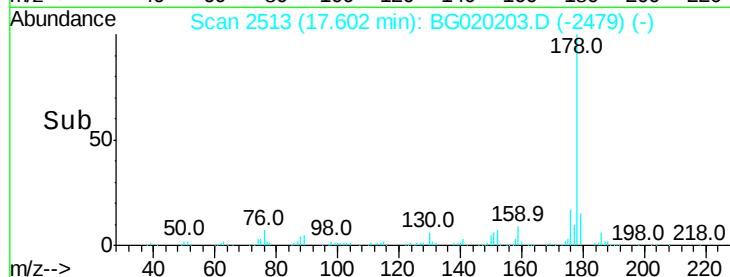
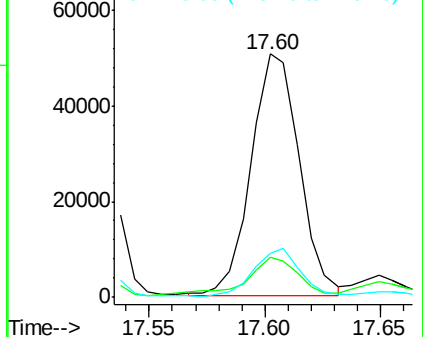
176 18.0 14.3 21.5

Manual Integrations
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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



#75

Carbazole

Concen: 9.16 ng/ul

RT: 17.87 min Scan# 2559

Delta R.T. 0.00 min

Lab File: BG020203.D

Acq: 15 Dec 2015 23:58

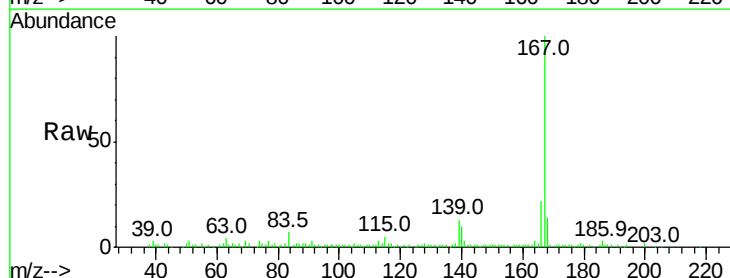
Tgt Ion:167 Resp: 74488

Ion Ratio Lower Upper

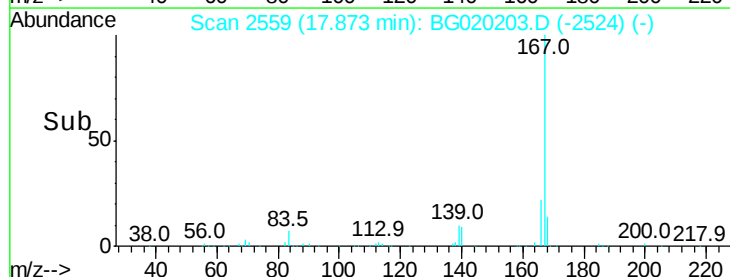
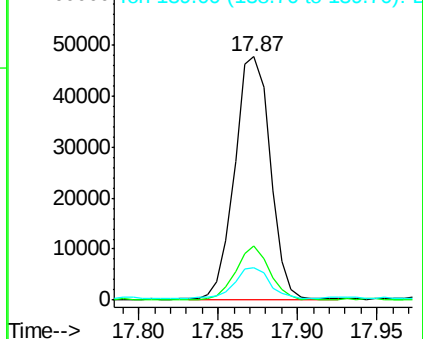
167 100

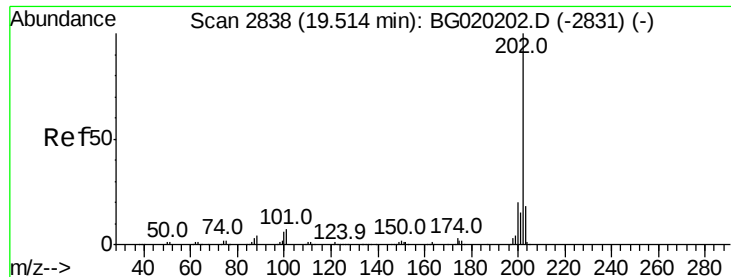
166 22.2 17.0 25.6

139 13.4 10.1 15.1



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





#77

Fluoranthene

Concen: 2.67 ng/ul

RT: 19.51 min Scan# 2838

Delta R.T. -0.00 min

Lab File: BG020203.D

Acq: 15 Dec 2015 23:58

Instrument :

BNA_G

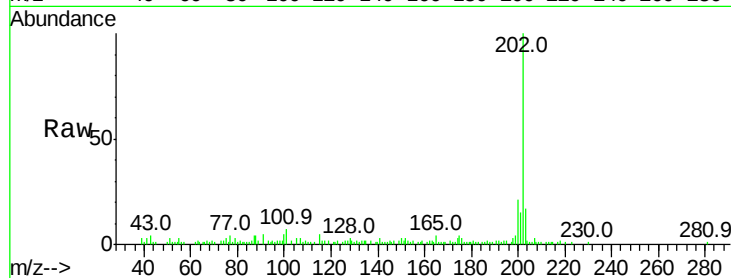
ClientSampleId :

G9C87

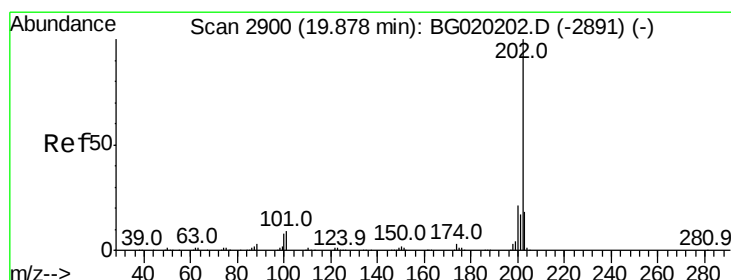
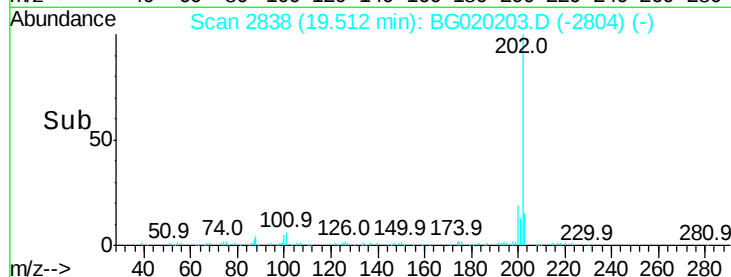
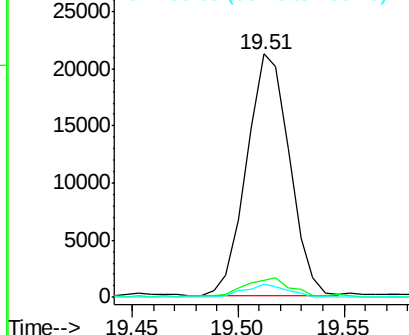
Tot Ion:	202	Resp:	29798
Ion Ratio	Lower	Upper	
202	100		
101	7.1	6.2	9.4
100	5.3	5.1	7.7

Manual Integrations
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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



#80

Pyrene

Concen: 3.14 ng/ul

RT: 19.88 min Scan# 2900

Delta R.T. -0.00 min

Lab File: BG020203.D

Acq: 15 Dec 2015 23:58

Tgt Ion:	202	Resp:	37799
Ion Ratio	Lower	Upper	
202	100		
101	8.3	7.0	10.4
100	7.0	6.4	9.6

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

