

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
 Data File : BG020550.D
 Acq On : 27 Dec 2015 11:21
 Operator : UM/SJ
 Sample : G4846-14
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N60

Manual Integrations
 APPROVED

Sohil
 12/28/2015 6:08:37 PM

Quant Time: Dec 28 03:04:19 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 28 02:38:20 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	19281	20.00	ng/ul	0.00
18) Naphthalene-d8	10.91	136	79863	20.00	ng/ul	0.01
36) Acenaphthene-d10	14.71	164	56868	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.46	188	145565	20.00	ng/ul	0.00
78) Chrysene-d12	21.73	240	181320	20.00	ng/ul	0.00
86) Perylene-d12	25.00	264	147930	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.45	96	479	1.37	ng/uL	0.00
5) Phenol-d5	7.23	99	12028	7.78	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.40	67	31885	34.78	ng/ul	0.00
9) 2-Chlorophenol-d4	7.60	132	33917	28.58	ng/ul	0.00
13) 4-Methylphenol-d8	8.78	113	23917	18.37	ng/ul	0.00
19) Nitrobenzene-d5	9.25	128	22569	36.05	ng/ul	0.00
22) 2-Nitrophenol-d4	9.97	143	26692	37.50	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.52	165	45128	32.76	ng/ul	0.00
29) 4-Chloroaniline-d4	11.04	131	570	0.36	ng/ul	0.01
44) Dimethylphthalate-d6	14.11	166	166459	35.51	ng/ul	0.00
47) Acenaphthylene-d8	14.41	160	196021	36.10	ng/ul	0.00
52) 4-Nitrophenol-d4	14.92	143	5346	6.84	ng/ul	0.00
58) Fluorene-d10	15.71	176	157827	37.23	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.84	200	23707	24.57	ng/ul	0.00
71) Anthracene-d10	17.56	188	256201	37.58	ng/ul	0.00
79) Pyrene-d10	19.84	212	306391	39.03	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.78	264	329325	44.04	ng/ul	0.00

Target Compounds

						Qvalue
28) Naphthalene	10.98	128	3554878	837.34	ng/ul#	78
34) 2-Methylnaphthalene	12.55	142	610235	194.26	ng/ul	99
41) 1,1'-Biphenyl	13.54	154	269150	61.33	ng/ul	97
48) Acenaphthylene	14.44	152	93133	16.32	ng/ul#	97
50) Acenaphthene	14.79	153	1195229	309.72	ng/ul	95
54) Dibenzofuran	15.12	168	866568	150.93	ng/ul	98
59) Fluorene	15.76	166	730431	156.99	ng/ul	98
70) Phenanthrene	17.52	178	1789206m	220.91	ng/ul	
72) Anthracene	17.60	178	111020	13.40	ng/ul	99
75) Carbazole	17.87	167	772254	110.65	ng/ul	97
77) Fluoranthene	19.51	202	419093	41.15	ng/ul	99
80) Pyrene	19.87	202	249345	24.32	ng/ul	98

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

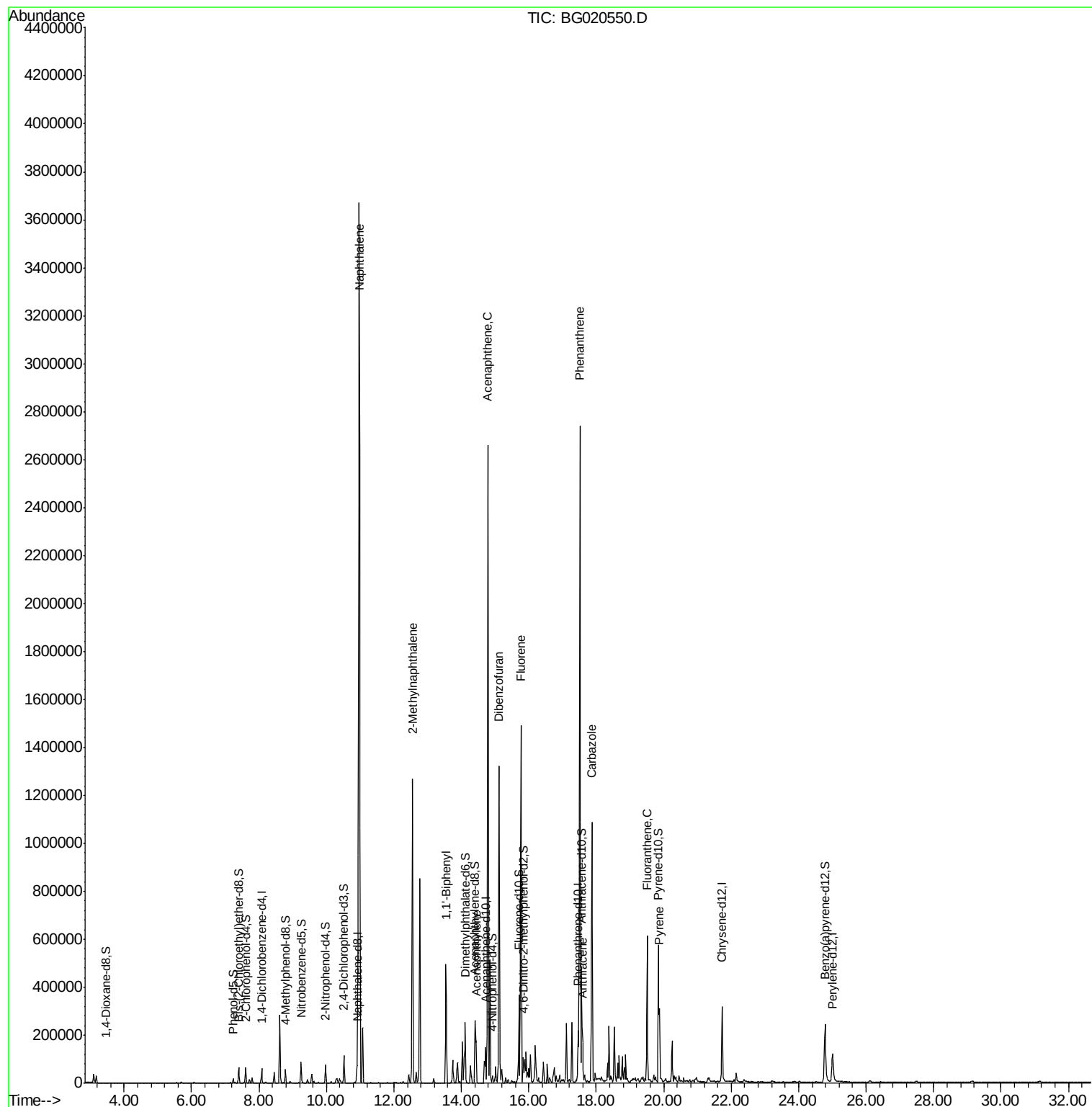
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
Data File : BG020550.D
Acq On : 27 Dec 2015 11:21
Operator : UM/SJ
Sample : G4846-14
Misc :
ALS Vial : 33 Sample Multiplier: 1

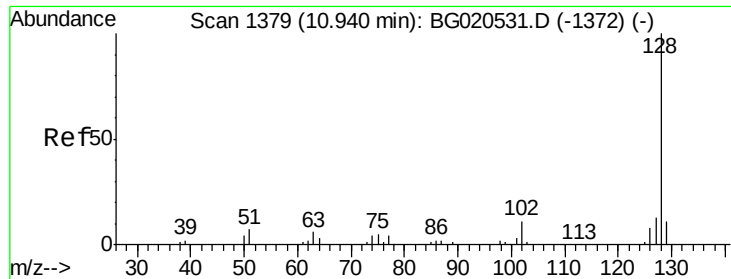
Instrument :
BNA_G
ClientSampleId :
D9N60

Manual Integrations
APPROVED

Sohil
12/28/2015 6:08:37 PM

Quant Time: Dec 28 03:04:19 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 28 02:38:20 2015
Response via : Initial Calibration





#28

Naphthalene

Concen: 837.34 ng/ul

RT: 10.98 min Scan# 1385

Delta R.T. 0.03 min

Lab File: BG020550.D

Acq: 27 Dec 2015 11:21

Instrument :

BNA_G

ClientSampleId :

D9N60

Tgt Ion:128 Resp: 3554878

Ion Ratio Lower Upper

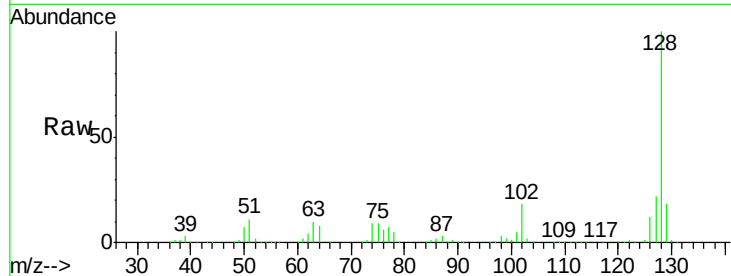
128 100

129 18.1 8.6 12.8#

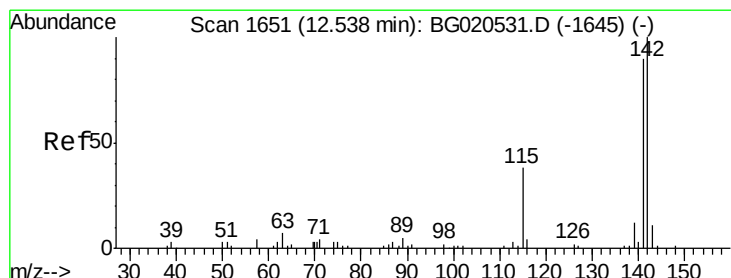
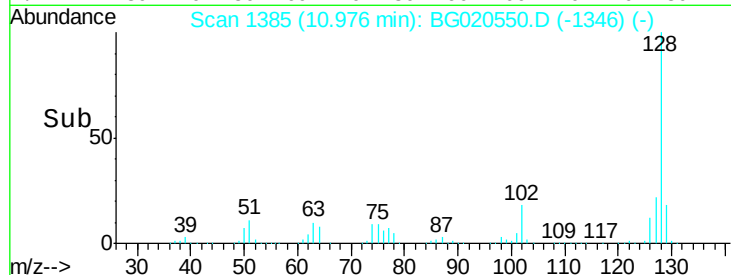
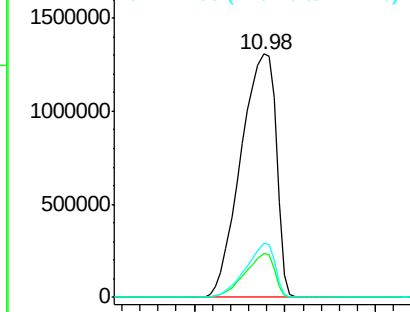
127 22.0 10.1 15.1#

Manual Integrations
APPROVED

Sohil
12/28/2015 6:08:37 PM



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#34

2-Methylnaphthalene

Concen: 194.26 ng/ul

RT: 12.55 min Scan# 1653

Delta R.T. 0.01 min

Lab File: BG020550.D

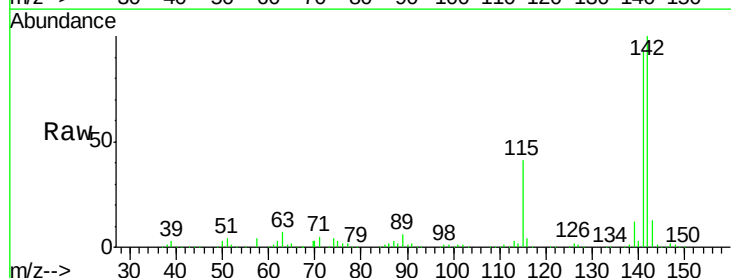
Acq: 27 Dec 2015 11:21

Tgt Ion:142 Resp: 610235

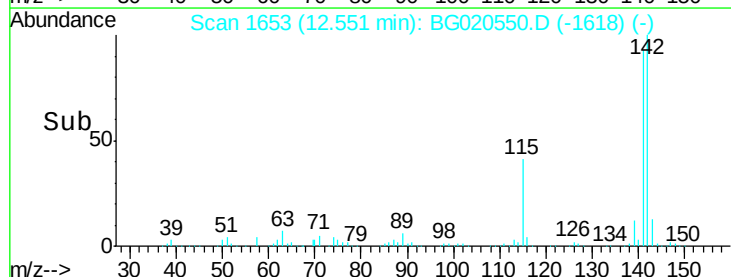
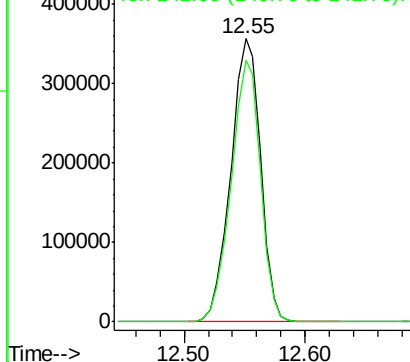
Ion Ratio Lower Upper

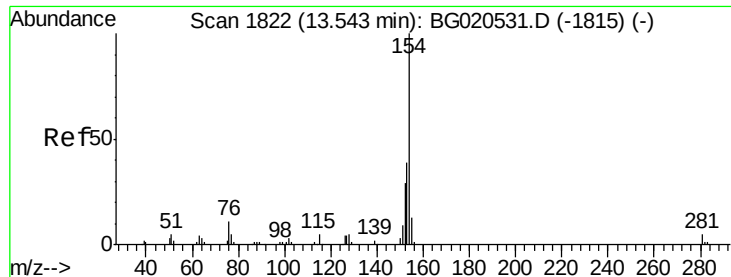
142 100

141 92.5 74.9 112.3



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





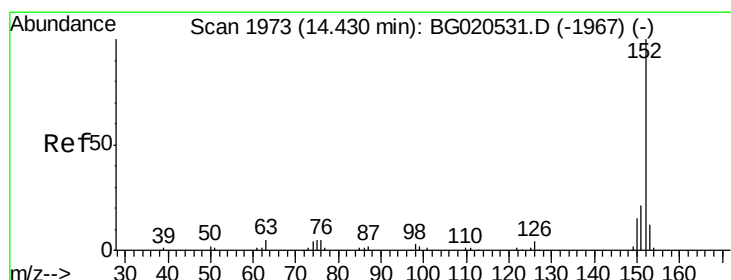
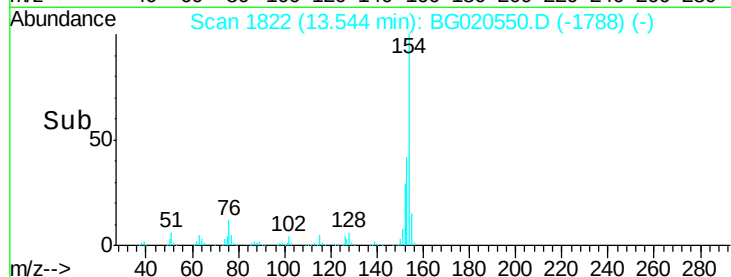
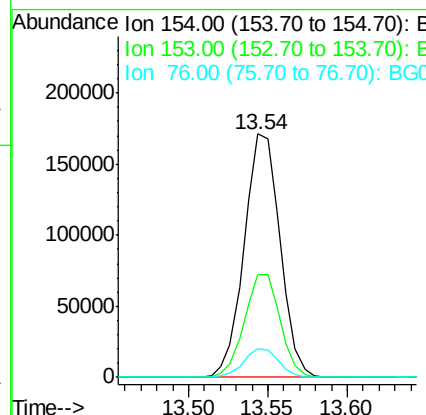
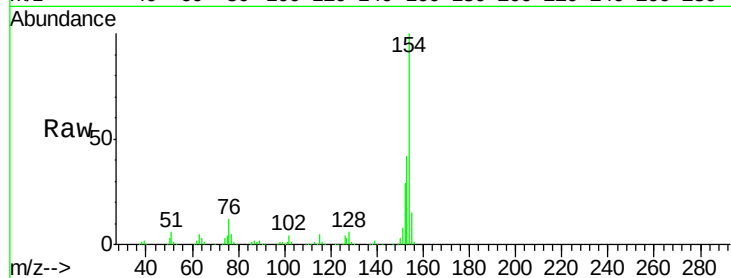
#41
 1,1'-Biphenyl
 Concen: 61.33 ng/ul
 RT: 13.54 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: BG020550.D
 Acq: 27 Dec 2015 11:21

Instrument :
 BNA_G
 ClientSampleId :
 D9N60

Tgt Ion:	154	Resp:	269150
Ion Ratio	Lower	Upper	
154	100		
153	42.3	35.5	53.3
76	11.5	10.4	15.6

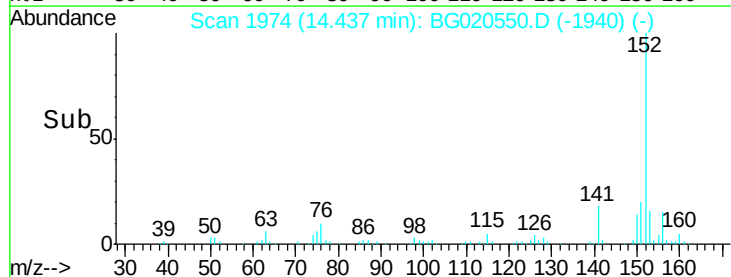
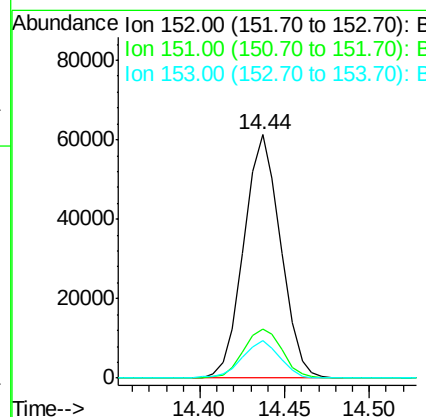
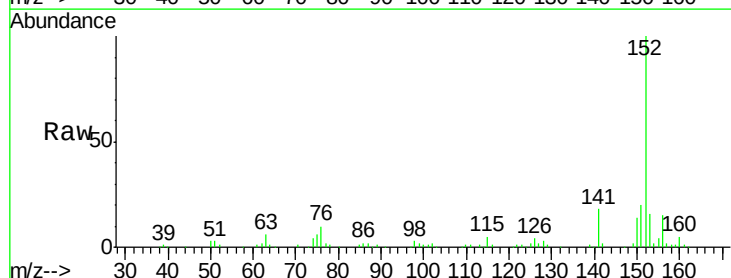
Manual Integrations
 APPROVED

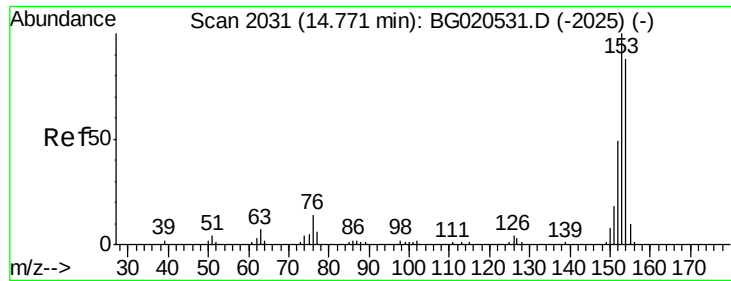
Sohil
 12/28/2015 6:08:37 PM



#48
 Acenaphthylene
 Concen: 16.32 ng/ul
 RT: 14.44 min Scan# 1974
 Delta R.T. 0.00 min
 Lab File: BG020550.D
 Acq: 27 Dec 2015 11:21

Tgt Ion:	152	Resp:	93133
Ion Ratio	Lower	Upper	
152	100		
151	20.3	16.4	24.6
153	15.6	10.4	15.6#





#50

Acenaphthene

Concen: 309.72 ng/ul

RT: 14.79 min Scan# 2034

Delta R.T. 0.01 min

Lab File: BG020550.D

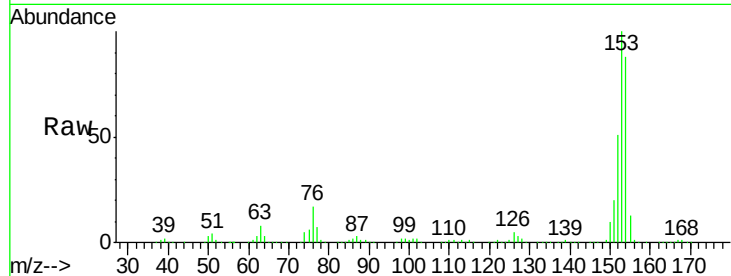
Acq: 27 Dec 2015 11:21

Instrument :

BNA_G

ClientSampleId :

D9N60



Tgt Ion:153 Resp: 1195229

Ion Ratio Lower Upper

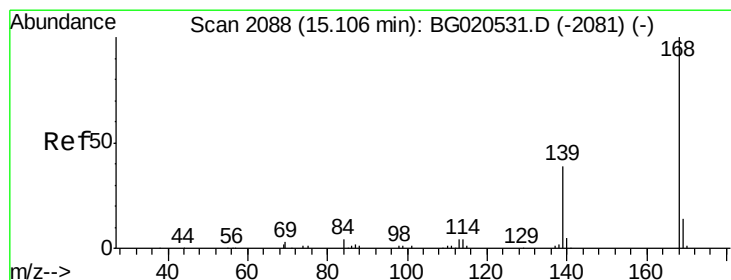
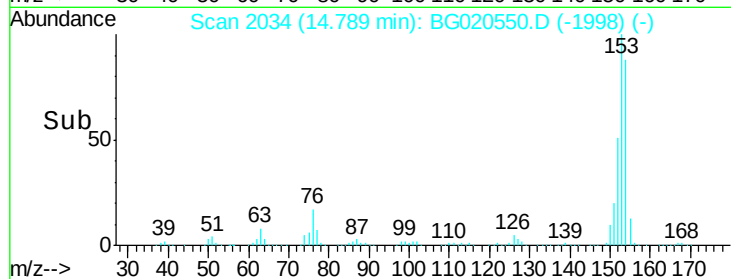
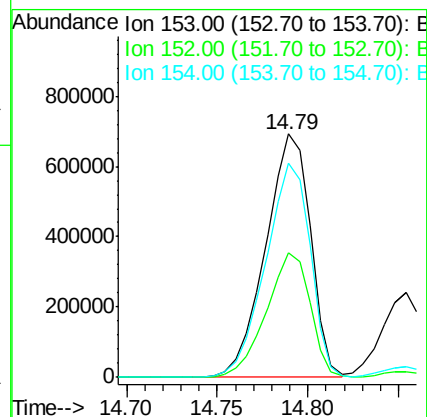
153 100

152 51.4 37.6 56.4

154 88.1 67.9 101.9

Manual Integrations
APPROVED

Sohil
12/28/2015 6:08:37 PM



#54

Dibenzofuran

Concen: 150.93 ng/ul

RT: 15.12 min Scan# 2090

Delta R.T. 0.01 min

Lab File: BG020550.D

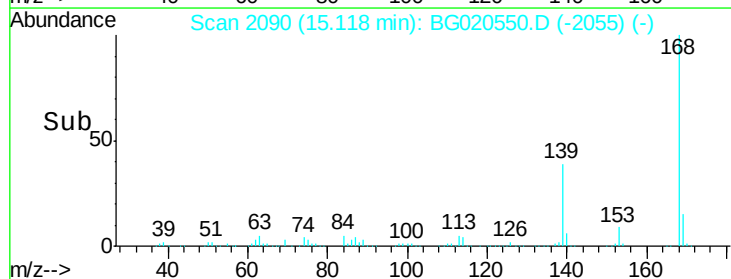
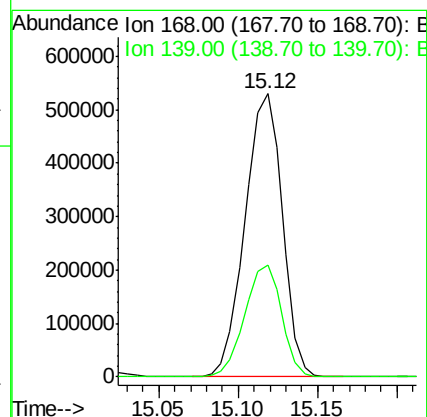
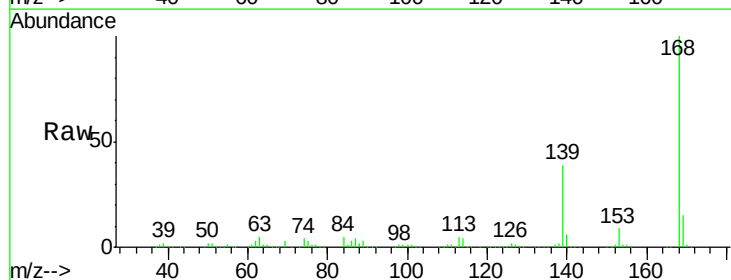
Acq: 27 Dec 2015 11:21

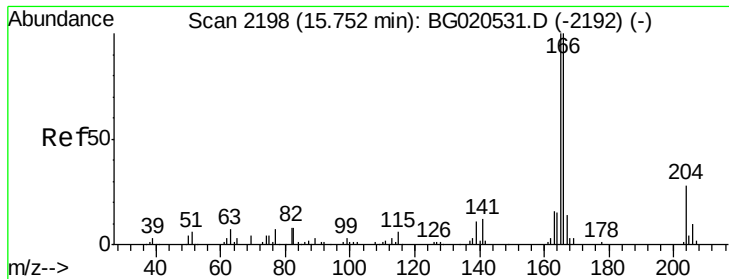
Tgt Ion:168 Resp: 866568

Ion Ratio Lower Upper

168 100

139 39.4 30.5 45.7





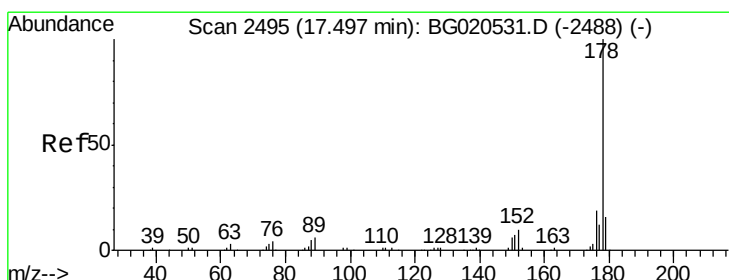
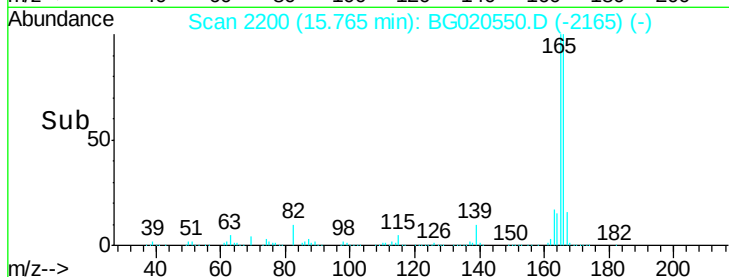
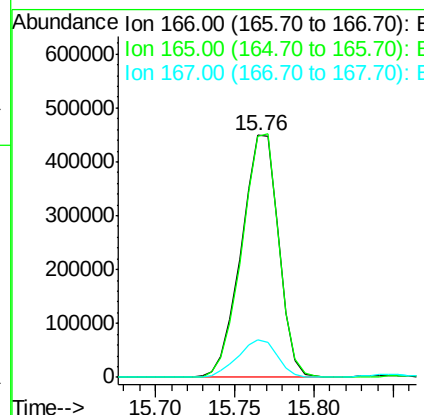
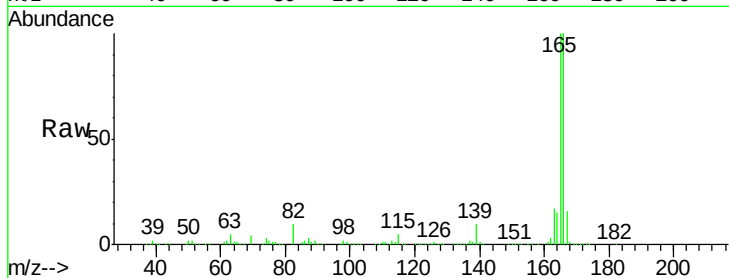
#59
 Fluorene
 Concen: 156.99 ng/ul
 RT: 15.76 min Scan# 2200
 Delta R.T. 0.01 min
 Lab File: BG020550.D
 Acq: 27 Dec 2015 11:21

Instrument :
 BNA_G
 ClientSampleId :
 D9N60

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	730431		
165	99.6	81.4	122.0	
167	15.6	11.2	16.8	

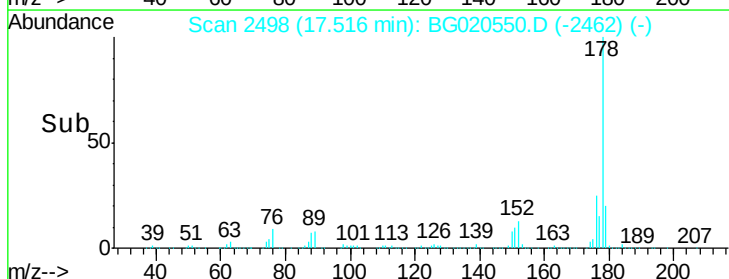
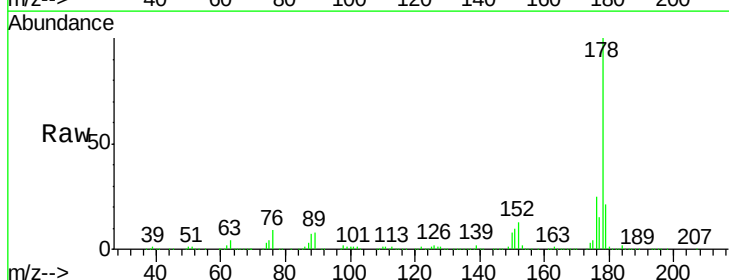
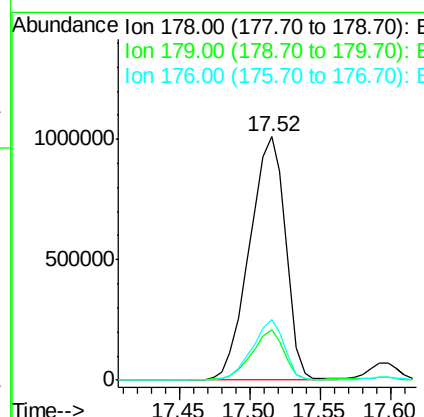
Manual Integrations
 APPROVED

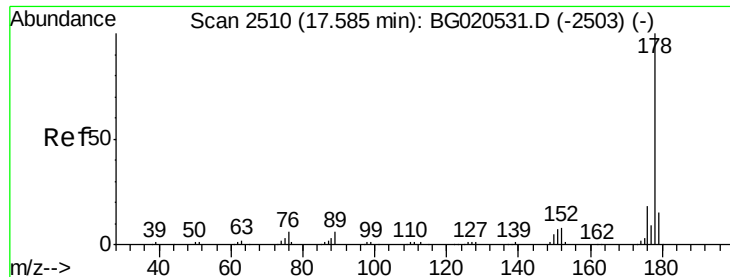
Sohil
 12/28/2015 6:08:37 PM



#70
 Phenanthrene
 Concen: 220.91 ng/ul m
 RT: 17.52 min Scan# 2498
 Delta R.T. 0.01 min
 Lab File: BG020550.D
 Acq: 27 Dec 2015 11:21

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1789206		
179	20.5	12.9	19.3#	
176	24.7	15.3	22.9#	





#72

Anthracene

Concen: 13.40 ng/ul

RT: 17.60 min Scan# 2512

Delta R.T. 0.01 min

Lab File: BG020550.D

Acq: 27 Dec 2015 11:21

Instrument :

BNA_G

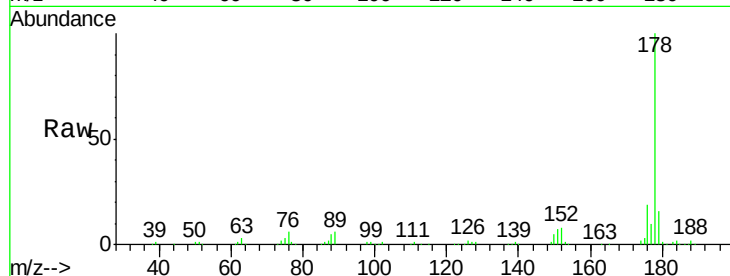
ClientSampleId :

D9N60

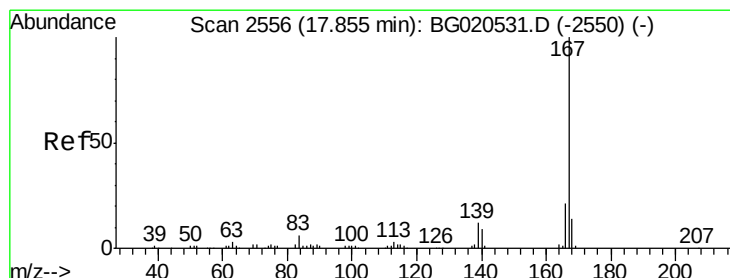
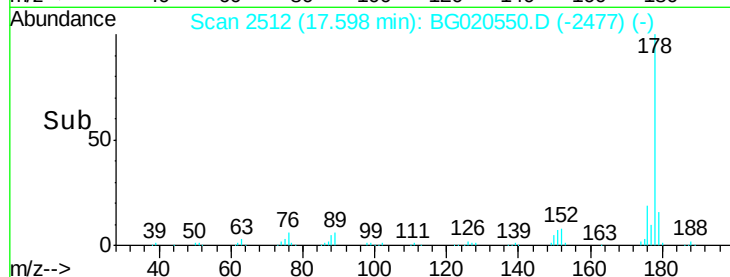
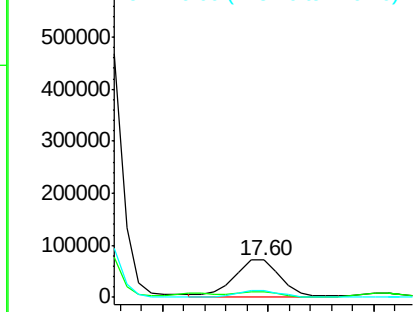
Tgt Ion:	178	Resp:	111020
Ion Ratio	Lower	Upper	
178	100		
179	15.6	12.3	18.5
176	18.5	14.3	21.5

Manual Integrations
APPROVED

Sohil
12/28/2015 6:08:37 PM



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: 110.65 ng/ul

RT: 17.87 min Scan# 2558

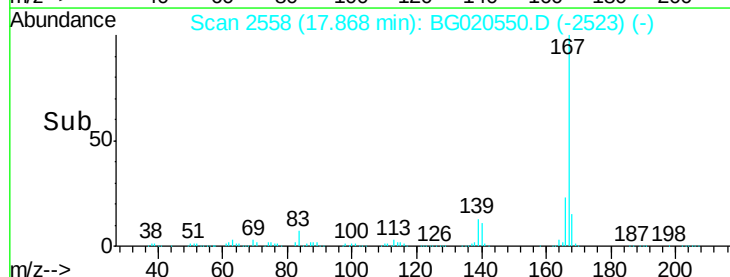
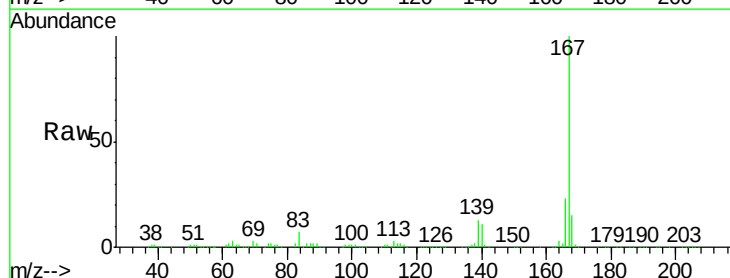
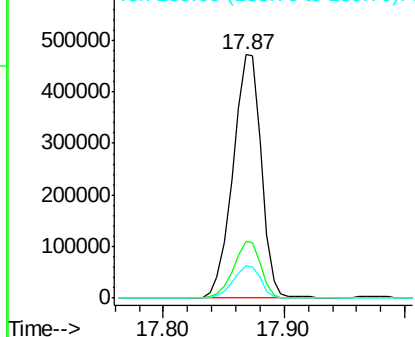
Delta R.T. 0.01 min

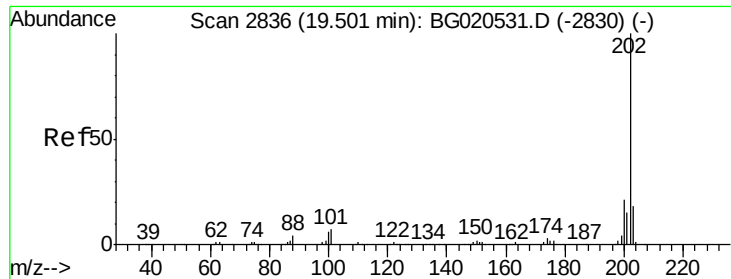
Lab File: BG020550.D

Acq: 27 Dec 2015 11:21

Tgt Ion:	167	Resp:	772254
Ion Ratio	Lower	Upper	
167	100		
166	23.1	17.0	25.6
139	13.3	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





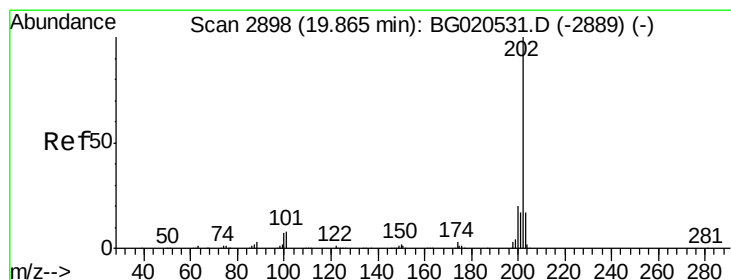
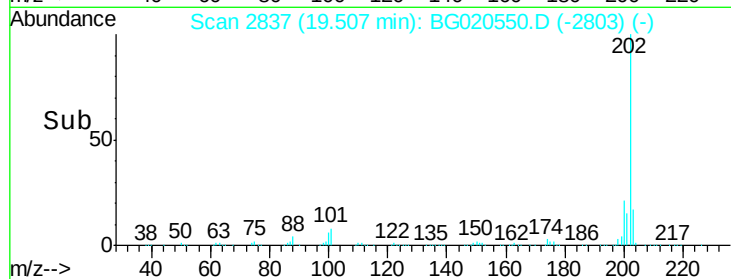
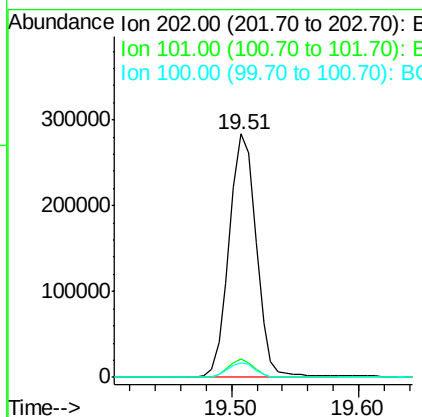
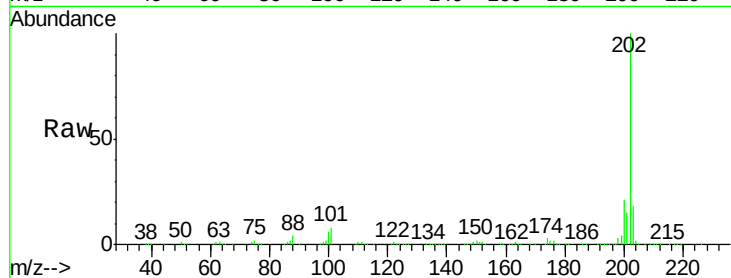
#77
Fluoranthene
Concen: 41.15 ng/ul
RT: 19.51 min Scan# 2837
Delta R.T. 0.00 min
Lab File: BG020550.D
Acq: 27 Dec 2015 11:21

Instrument :
BNA_G
ClientSampleId :
D9N60

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	419093		
101	7.6	6.2	9.4	
100	6.2	5.1	7.7	

Manual Integrations
APPROVED

Sohil
12/28/2015 6:08:37 PM



#80
Pyrene
Concen: 24.32 ng/ul
RT: 19.87 min Scan# 2899
Delta R.T. 0.00 min
Lab File: BG020550.D
Acq: 27 Dec 2015 11:21

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	249345		
101	8.0	7.0	10.4	
100	7.2	6.4	9.6	

