

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
 Data File : BG020616.D
 Acq On : 30 Dec 2015 19:50
 Operator : UM/SJ
 Sample : G4802-18DL 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 G9D93DL

Manual Integrations
 APPROVED

Sohil
 12/31/2015 6:35:45 PM

Quant Time: Dec 31 02:46:11 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG123015.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 31 01:03:28 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	16972	20.00	ng/ul	0.00
18) Naphthalene-d8	10.88	136	74518	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.70	164	55981	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.44	188	149467	20.00	ng/ul	0.00
78) Chrysene-d12	21.71	240	182822	20.00	ng/ul	0.00
86) Perylene-d12	24.97	264	175624	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	7.22	99	4581	3.20	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.38	67	3328	3.84	ng/ul	0.00
9) 2-Chlorophenol-d4	7.59	132	4187	3.82	ng/ul	0.00
13) 4-Methylphenol-d8	8.77	113	4538	3.69	ng/ul	0.00
19) Nitrobenzene-d5	9.23	128	2189	3.80	ng/ul	0.00
22) 2-Nitrophenol-d4	9.96	143	2458	3.68	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.50	165	4584	3.61	ng/ul	0.00
29) 4-Chloroaniline-d4	11.02	131	5419	3.60	ng/ul	0.00
44) Dimethylphthalate-d6	14.09	166	19532	4.26	ng/ul	0.00
47) Acenaphthylene-d8	14.39	160	21911	4.21	ng/ul	0.00
52) 4-Nitrophenol-d4	14.92	143	1050m	1.46	ng/ul	0.02
58) Fluorene-d10	15.68	176	18579	4.47	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.81	200	1735	1.91	ng/ul	0.00
71) Anthracene-d10	17.54	188	30965	4.45	ng/ul	0.00
79) Pyrene-d10	19.82	212	37026	4.52	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.74	264	37242	4.25	ng/ul	0.00

Target Compounds

						Ovalue
6) Phenol	7.25	94	5631	3.65	ng/ul#	91
11) 2-Methylphenol	8.50	108	1699	1.43	ng/ul	88
16) 4-Methylphenol	8.83	108	5805	4.41	ng/ul#	79
24) 2,4-Dimethylphenol	10.04	107	1982m	1.33	ng/ul	
28) Naphthalene	10.92	128	123556	31.31	ng/ul	98
34) 2-Methylnaphthalene	12.52	142	30142	10.21	ng/ul	98
41) 1,1'-Biphenyl	13.53	154	6653	1.58	ng/ul	93
48) Acenaphthylene	14.42	152	29401	5.30	ng/ul	97
50) Acenaphthene	14.76	153	4888	1.30	ng/ul	90
54) Dibenzofuran	15.09	168	26240	4.63	ng/ul	93
59) Fluorene	15.74	166	29990	6.58	ng/ul	98
70) Phenanthrene	17.48	178	170279	20.96	ng/ul	98
72) Anthracene	17.58	178	58885	7.09	ng/ul	97
75) Carbazole	17.85	167	15291	2.18	ng/ul	98
77) Fluoranthene	19.49	202	121872	12.28	ng/ul	99
80) Pyrene	19.85	202	108762	10.27	ng/ul	100
83) Benzo(a)anthracene	21.69	228	55465	5.19	ng/ul	98
85) Chrysene	21.76	228	44260	4.40	ng/ul	98
88) Benzo(b)fluoranthene	23.93	252	45675	4.38	ng/ul#	99
89) Benzo(k)fluoranthene	24.00	252	18032m	1.80	ng/ul	
91) Benzo(a)pyrene	24.81	252	40607	4.05	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	28.67	276	21889m	1.83	ng/ul	
94) Benzo(g,h,i)perylene	29.84	276	18585m	1.89	ng/ul	

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020616.D
Acq On : 30 Dec 2015 19:50
Operator : UM/SJ
Sample : G4802-18DL 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
G9D93DL

Manual Integrations
APPROVED

Sohil
12/31/2015 6:35:45 PM

Quant Time: Dec 31 02:46:11 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 31 01:03:28 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

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

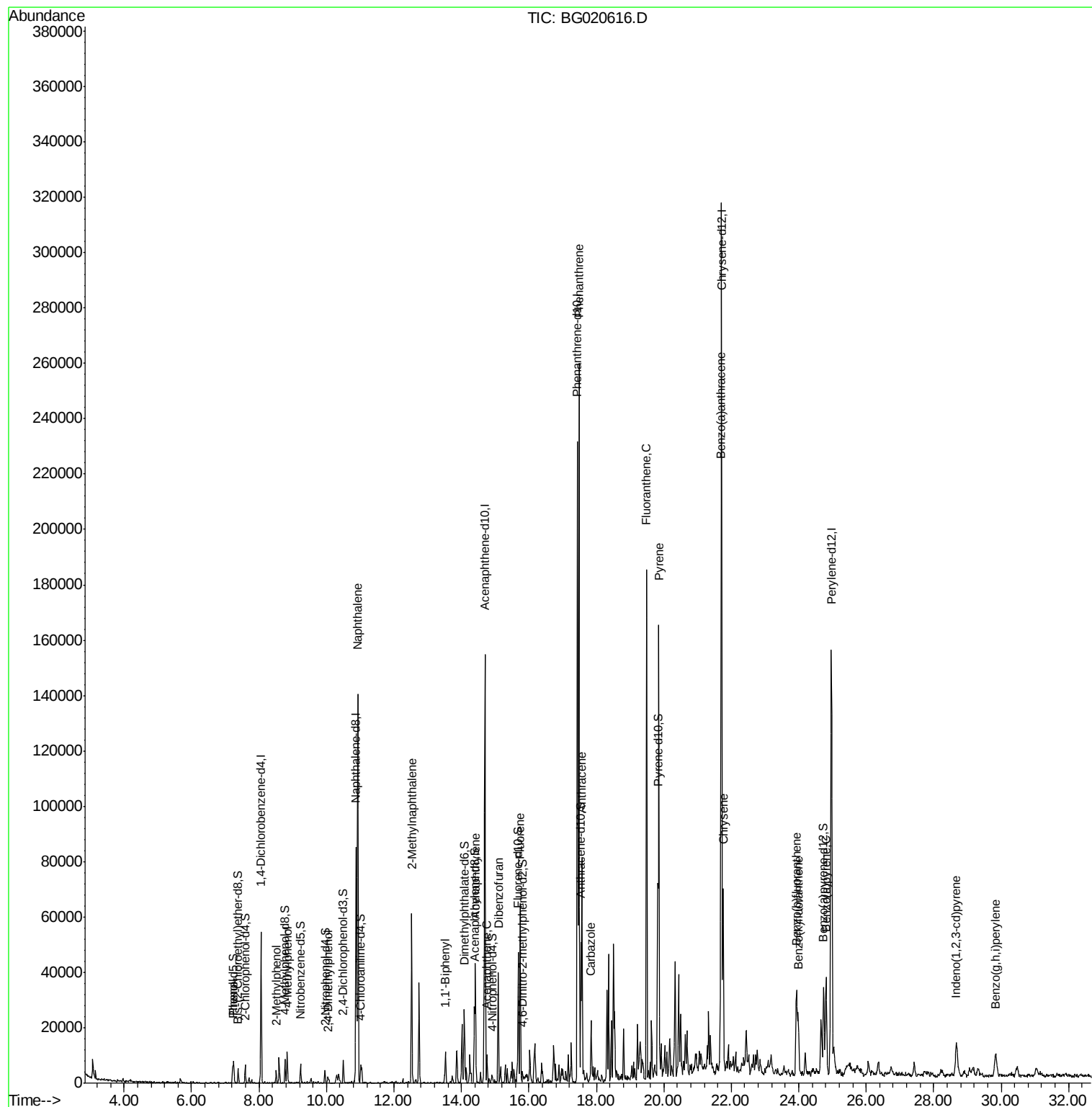
Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020616.D
Acq On : 30 Dec 2015 19:50
Operator : UM/SJ
Sample : G4802-18DL 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

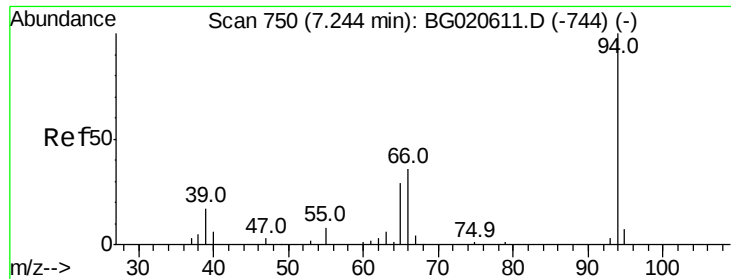
Instrument :
BNA_G
ClientSampleId :
G9D93DL

Manual Integrations
APPROVED

Sohil
12/31/2015 6:35:45 PM

Quant Time: Dec 31 02:46:11 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 31 01:03:28 2015
Response via : Initial Calibration





#6

Phenol

Concen: 3.65 ng/ul

RT: 7.25 min Scan# 750

Delta R.T. 0.00 min

Lab File: BG020616.D

Acq: 30 Dec 2015 19:50

Instrument :

BNA_G

ClientSampleId :

G9D93DL

Tot Ion: 94 Resp: 5631

Ion Ratio Lower Upper

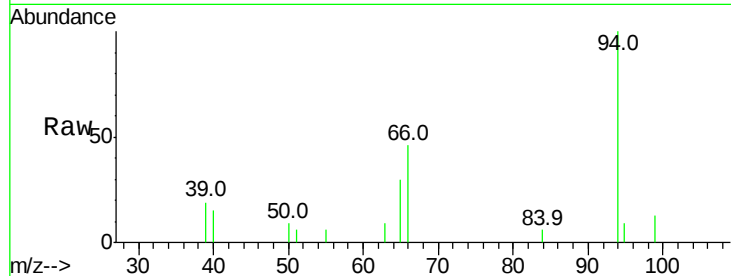
94 100

65 30.1 23.0 34.6

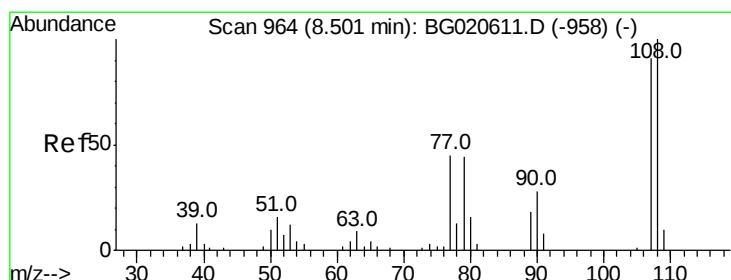
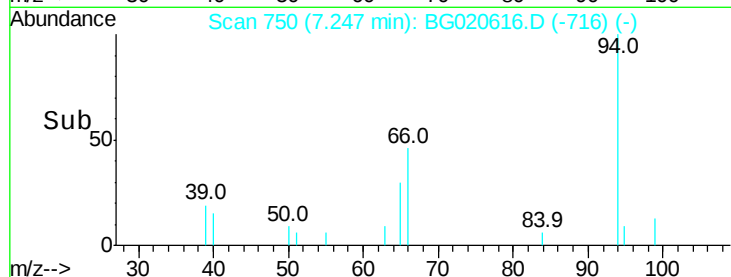
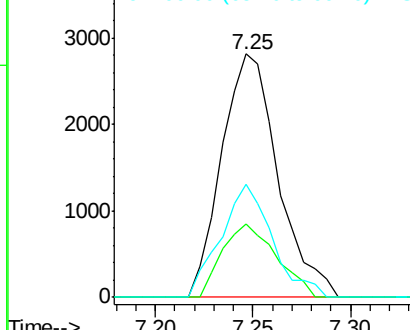
66 46.3 30.4 45.6#

Manual Integrations
APPROVED

Sohil
12/31/2015 6:35:45 PM



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC



#11

2-Methylphenol

Concen: 1.43 ng/ul

RT: 8.50 min Scan# 964

Delta R.T. 0.00 min

Lab File: BG020616.D

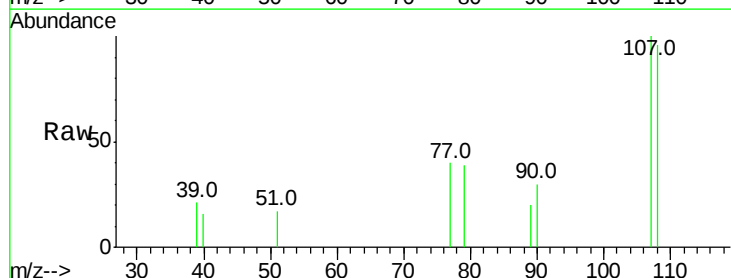
Acq: 30 Dec 2015 19:50

Tgt Ion: 108 Resp: 1699

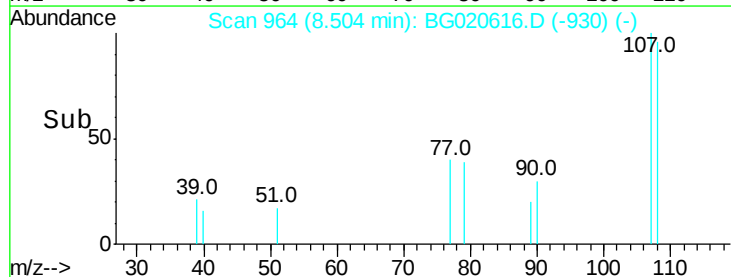
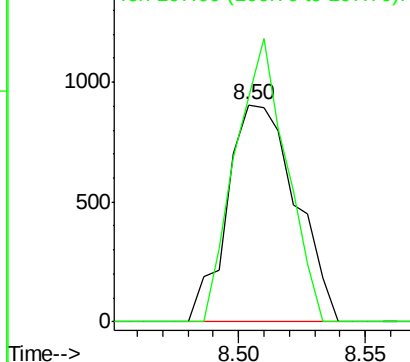
Ion Ratio Lower Upper

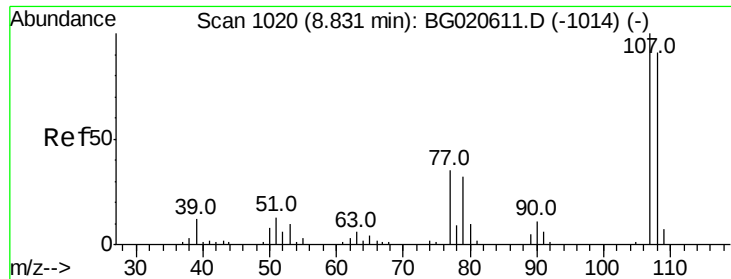
108 100

107 103.8 74.1 111.1



Abundance Ion 108.00 (107.70 to 108.70): E
Ion 107.00 (106.70 to 107.70): E





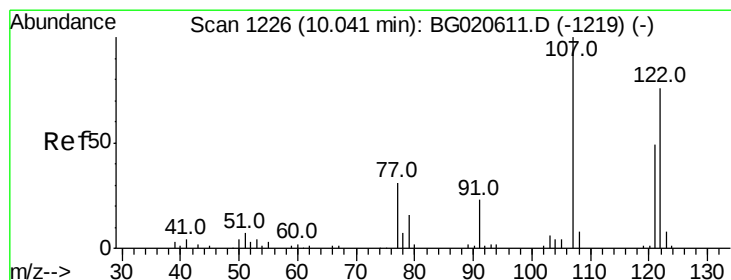
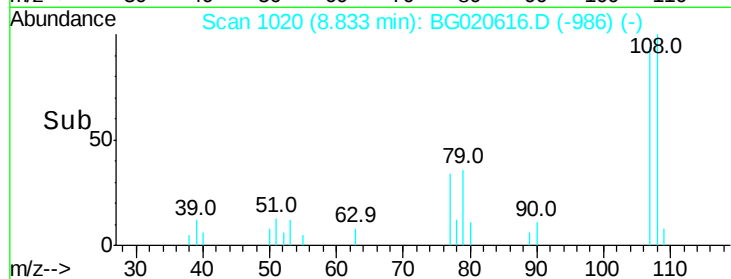
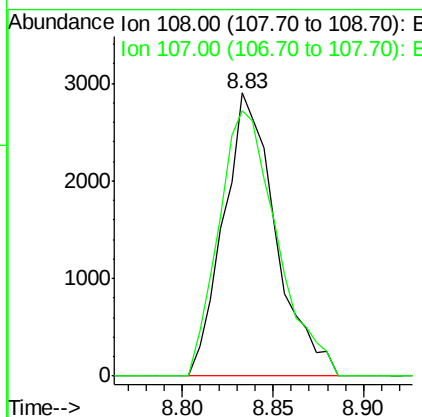
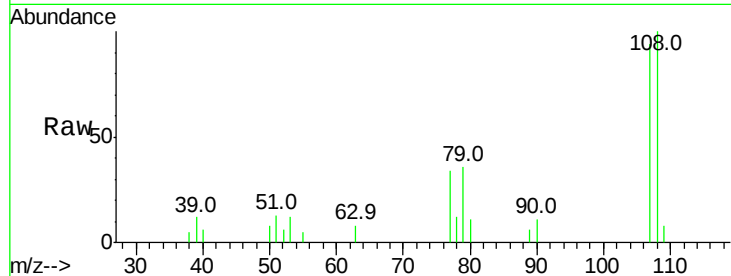
#16
4-Methylphenol
Concen: 4.41 ng/ul
RT: 8.83 min Scan# 1020
Delta R.T. 0.00 min
Lab File: BG020616.D
Acq: 30 Dec 2015 19:50

Instrument :
BNA_G
ClientSampleId :
G9D93DL

Tot Ion:108 Resp: 5805
Ion Ratio Lower Upper
108 100
107 93.6 93.6 140.4#

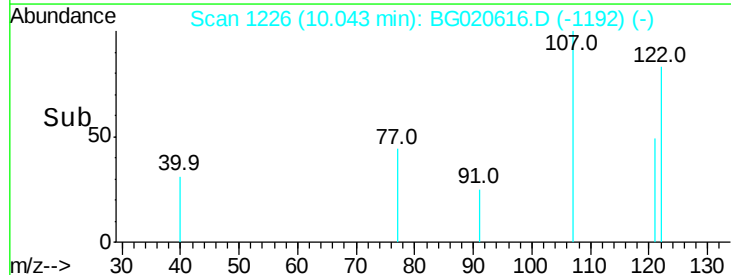
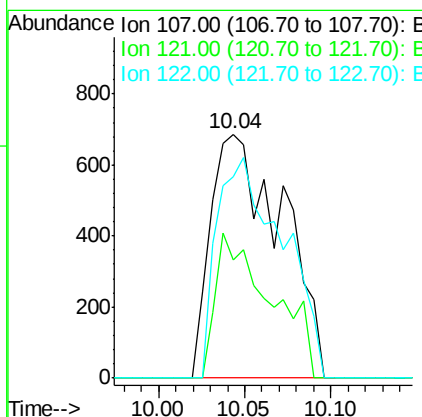
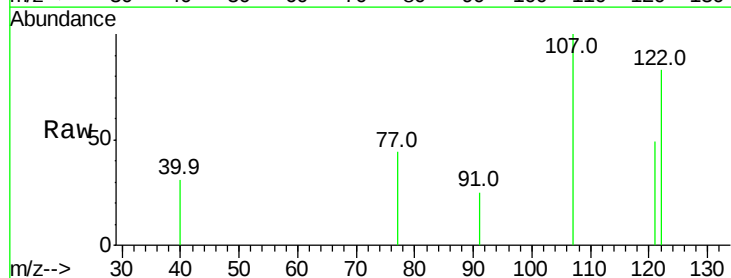
Manual Integrations
APPROVED

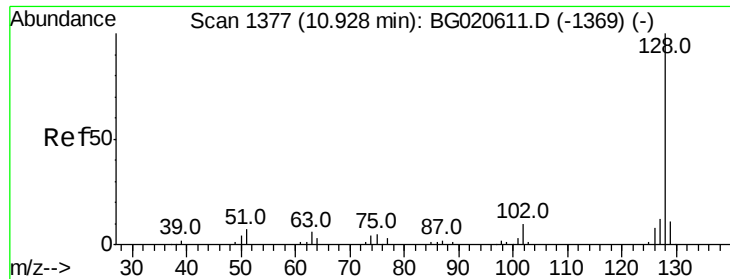
Sohil
12/31/2015 6:35:45 PM



#24
2,4-Dimethylphenol
Concen: 1.33 ng/ul m
RT: 10.04 min Scan# 1226
Delta R.T. 0.00 min
Lab File: BG020616.D
Acq: 30 Dec 2015 19:50

Tgt Ion:107 Resp: 1982
Ion Ratio Lower Upper
107 100
121 48.5 38.1 57.1
122 82.7 63.8 95.8





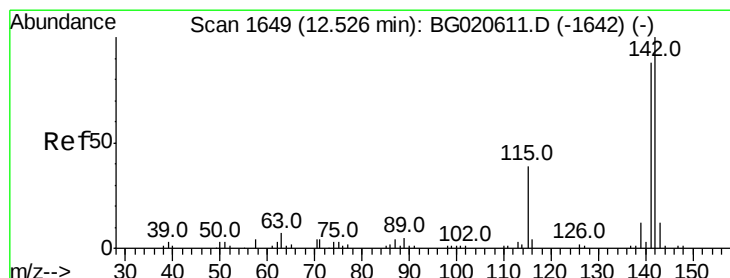
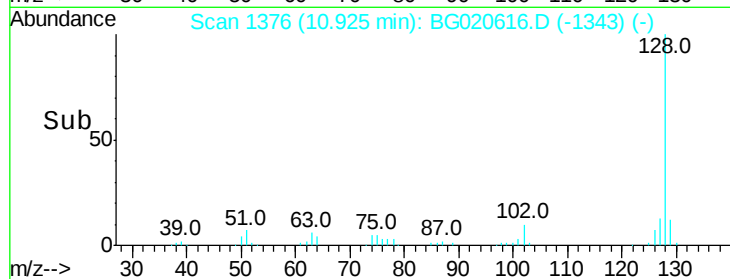
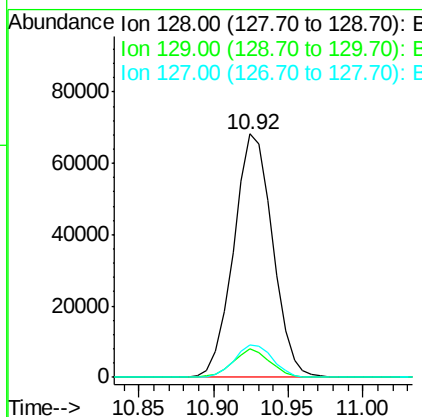
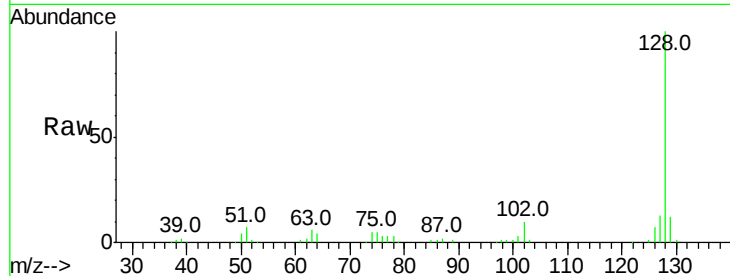
#28
Naphthalene
Concen: 31.31 ng/ul
RT: 10.92 min Scan# 1376
Delta R.T. -0.00 min
Lab File: BG020616.D
Acq: 30 Dec 2015 19:50

Instrument :
BNA_G
ClientSampleId :
G9D93DL

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.7	8.3	12.5
127	13.4	10.8	16.2

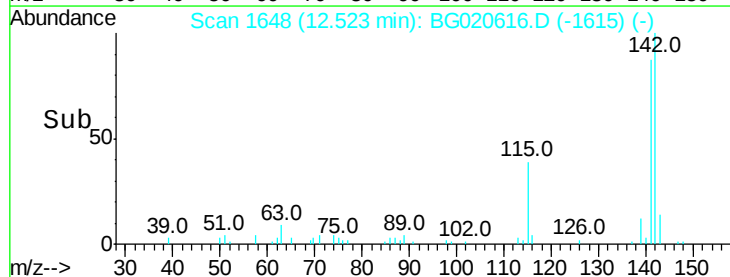
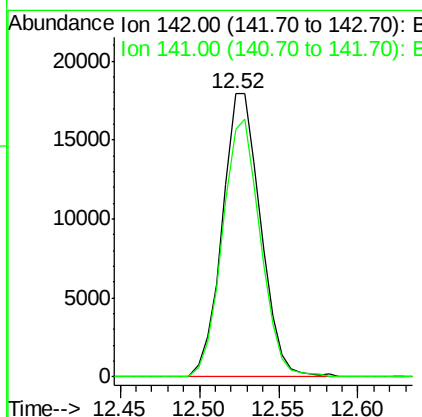
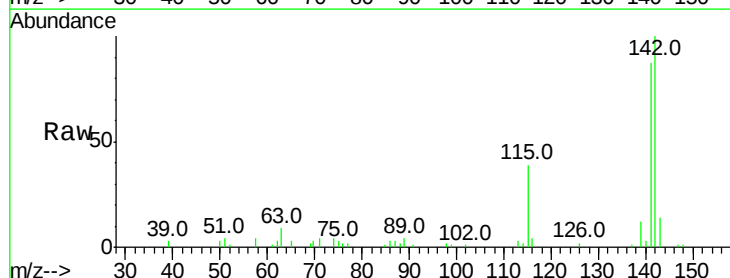
Manual Integrations
APPROVED

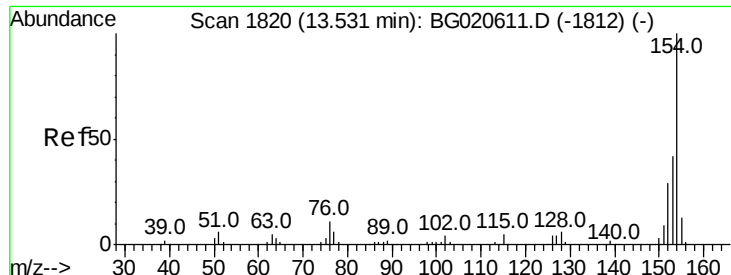
Sohil
12/31/2015 6:35:45 PM



#34
2-Methylnaphthalene
Concen: 10.21 ng/ul
RT: 12.52 min Scan# 1648
Delta R.T. -0.00 min
Lab File: BG020616.D
Acq: 30 Dec 2015 19:50

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.2	71.4	107.2





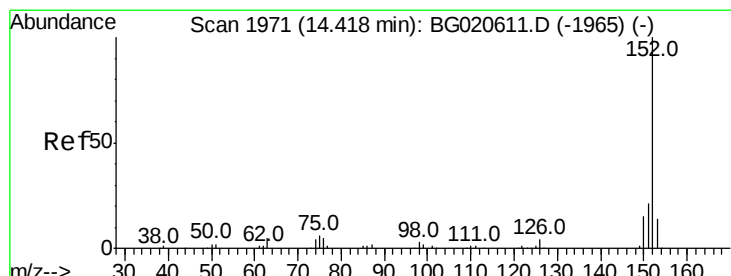
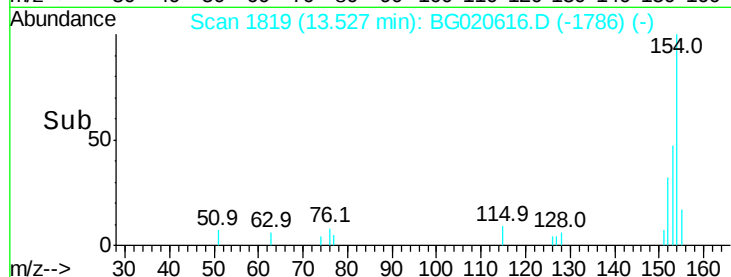
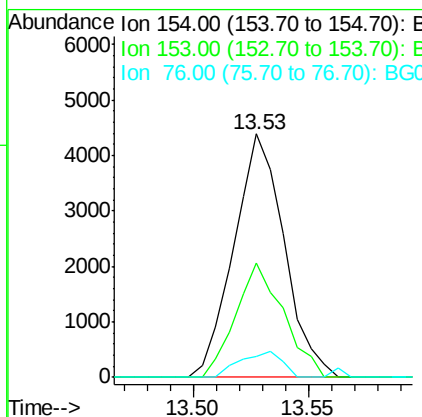
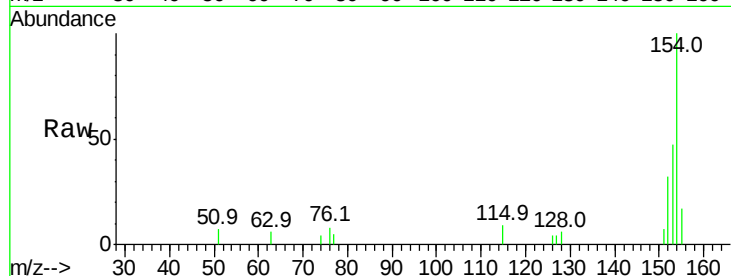
#41
 1,1'-Biphenyl
 Concen: 1.58 ng/ul
 RT: 13.53 min Scan# 1819
 Delta R.T. -0.00 min
 Lab File: BG020616.D
 Acq: 30 Dec 2015 19:50

Instrument :
 BNA_G
 ClientSampleId :
 G9D93DL

Tot Ion	Ratio	Lower	Upper
154	100		
153	46.9	34.0	51.0
76	8.4	8.4	12.6

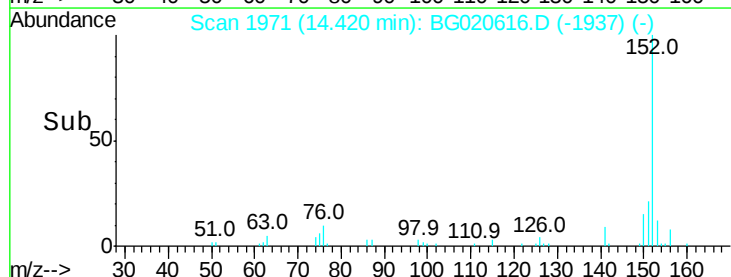
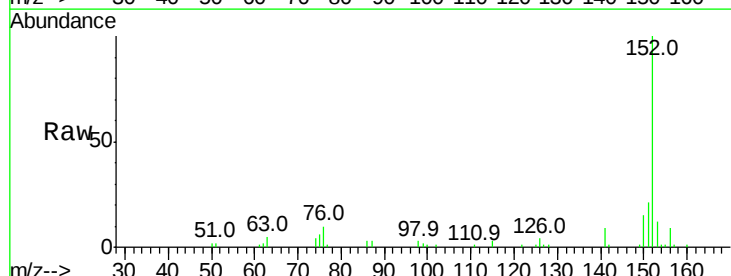
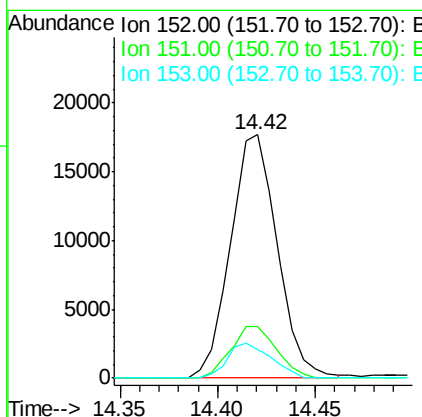
Manual Integrations
 APPROVED

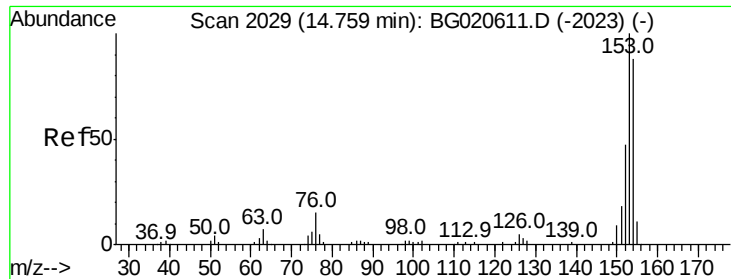
Sohil
 12/31/2015 6:35:45 PM



#48
 Acenaphthylene
 Concen: 5.30 ng/ul
 RT: 14.42 min Scan# 1971
 Delta R.T. 0.00 min
 Lab File: BG020616.D
 Acq: 30 Dec 2015 19:50

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.0	16.1	24.1
153	11.9	10.8	16.2





#50

Acenaphthene

Concen: 1.30 ng/ul

RT: 14.76 min Scan# 2029

Delta R.T. 0.00 min

Lab File: BG020616.D

Acq: 30 Dec 2015 19:50

Instrument :

BNA_G

ClientSampleId :

G9D93DL

Tot Ion:153 Resp: 4888

Ion Ratio Lower Upper

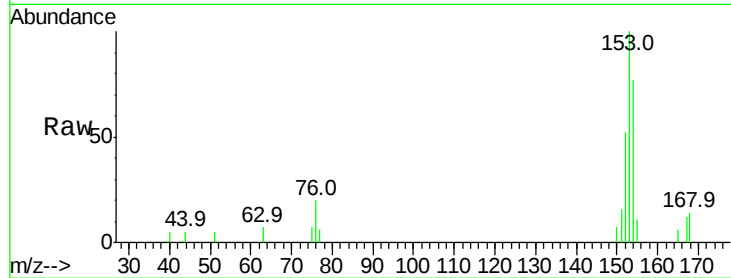
153 100

152 52.4 37.9 56.9

154 76.8 69.8 104.6

Manual Integrations
APPROVED

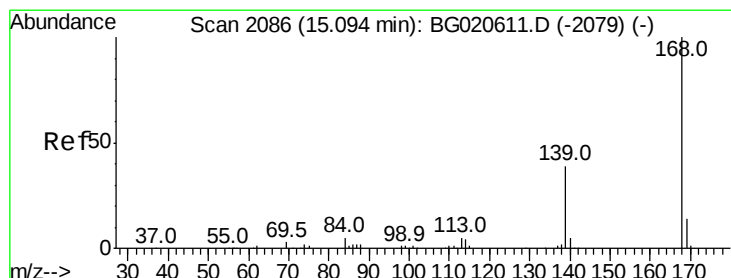
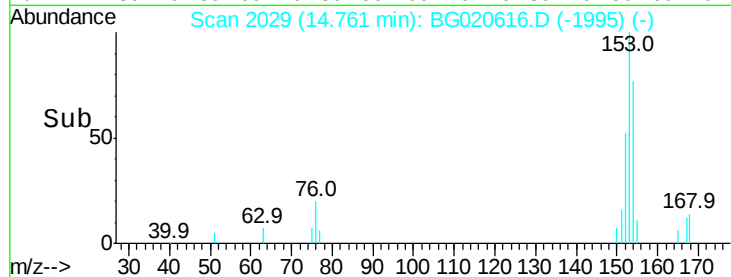
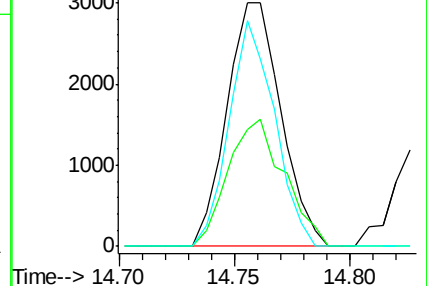
Sohil
12/31/2015 6:35:45 PM



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



#54

Dibenzofuran

Concen: 4.63 ng/ul

RT: 15.09 min Scan# 2085

Delta R.T. -0.00 min

Lab File: BG020616.D

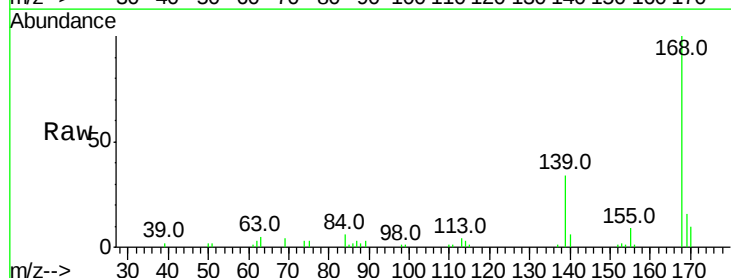
Acq: 30 Dec 2015 19:50

Tgt Ion:168 Resp: 26240

Ion Ratio Lower Upper

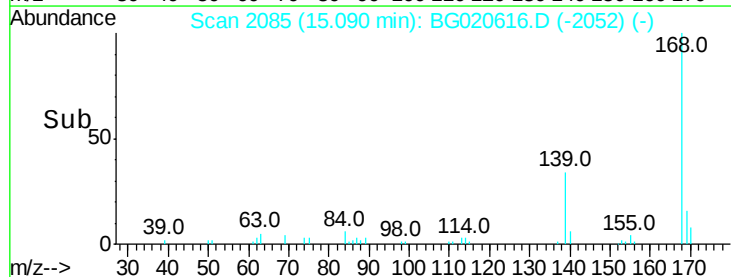
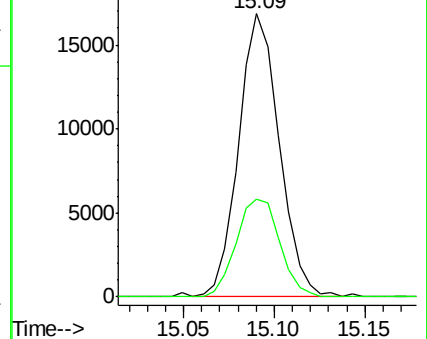
168 100

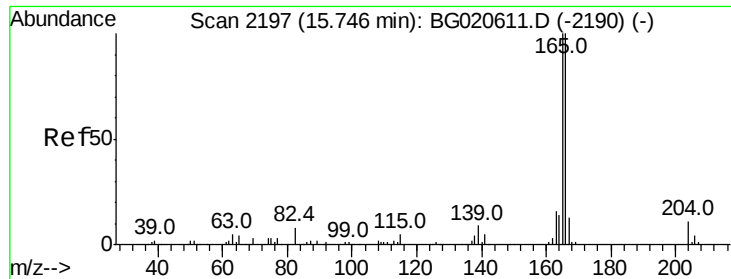
139 34.5 31.0 46.4



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





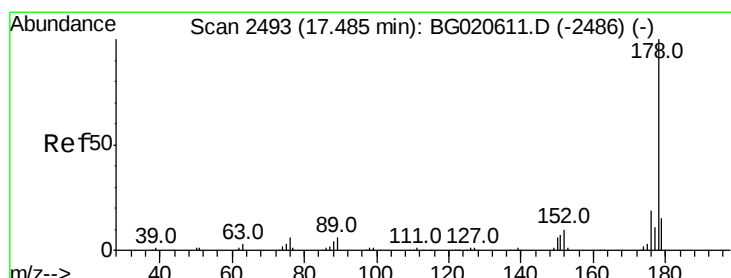
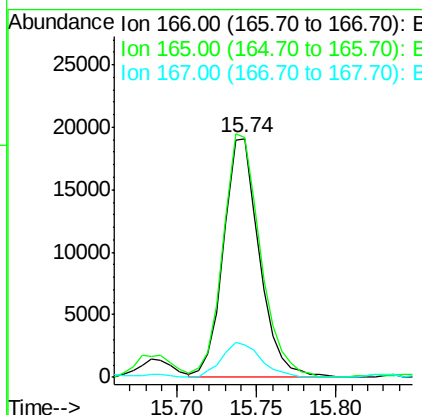
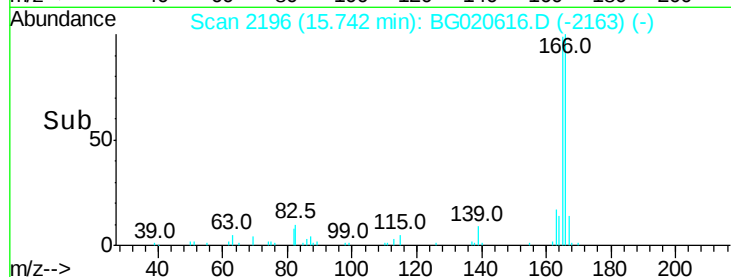
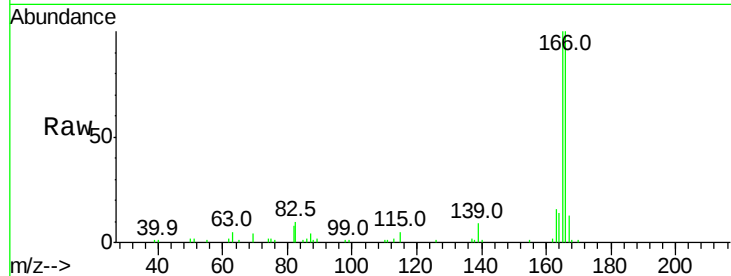
#59
Fluorene
Concen: 6.58 ng/ul
RT: 15.74 min Scan# 2196
Delta R.T. -0.00 min
Lab File: BG020616.D
Acq: 30 Dec 2015 19:50

Instrument :
BNA_G
ClientSampleID :
G9D93DL

Tot Ion	Ratio	Resp	Lower	Upper
166	100	29990		
165	100.4		78.4	117.6
167	13.5		11.1	16.7

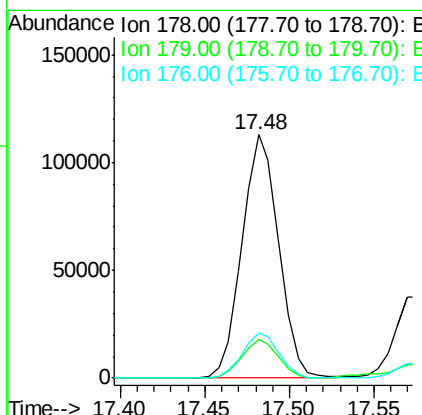
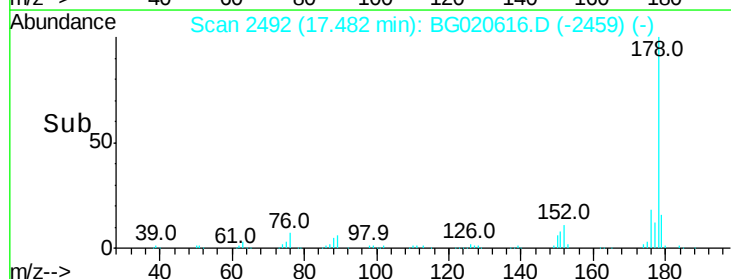
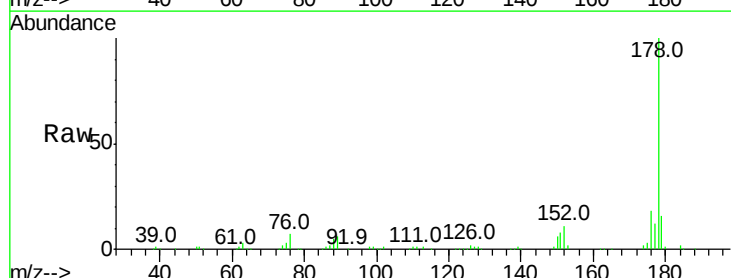
Manual Integrations
APPROVED

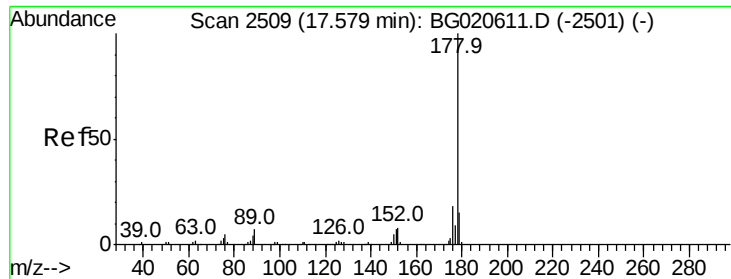
Sohil
12/31/2015 6:35:45 PM



#70
Phenanthrene
Concen: 20.96 ng/ul
RT: 17.48 min Scan# 2492
Delta R.T. -0.00 min
Lab File: BG020616.D
Acq: 30 Dec 2015 19:50

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	170279		
179	16.1		12.3	18.5
176	18.3		15.4	23.0





#72

Anthracene

Concen: 7.09 ng/ul

RT: 17.58 min Scan# 2508

Delta R.T. -0.00 min

Lab File: BG020616.D

Acq: 30 Dec 2015 19:50

Instrument :

BNA_G

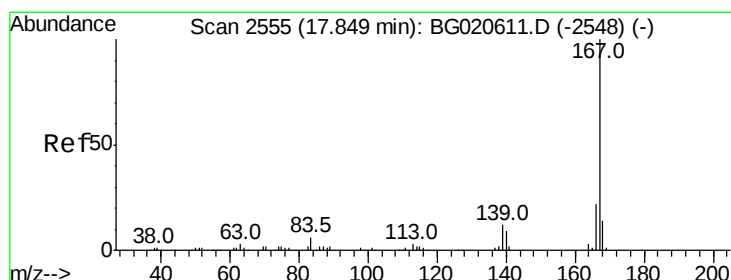
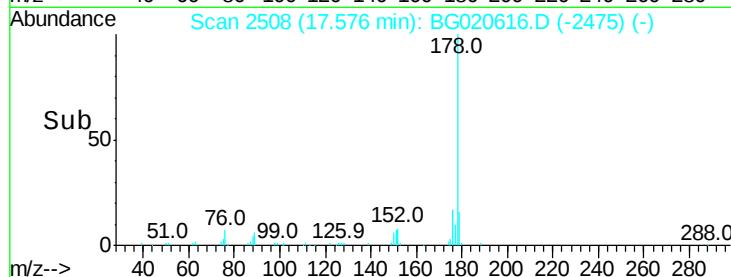
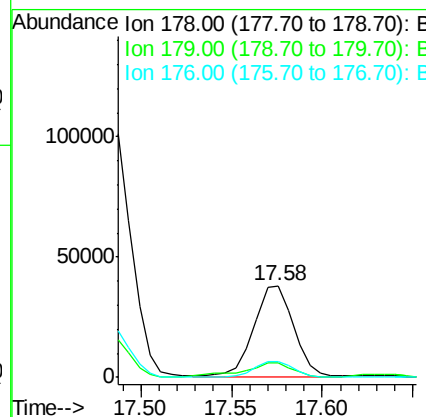
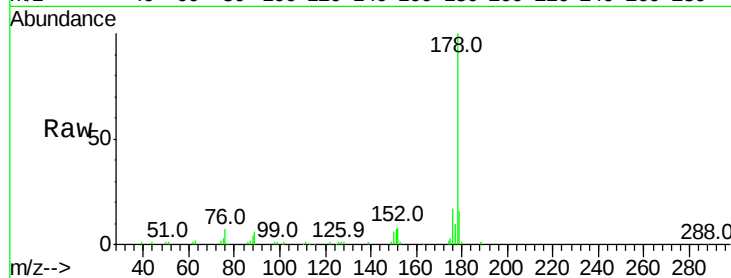
ClientSampleId :

G9D93DL

Tot Ion:	178	Resp:	58885
Ion Ratio	Lower	Upper	
178	100		
179	16.4	13.4	20.2
176	16.9	15.4	23.0

Manual Integrations
APPROVED

Sohil
12/31/2015 6:35:45 PM



#75

Carbazole

Concen: 2.18 ng/ul

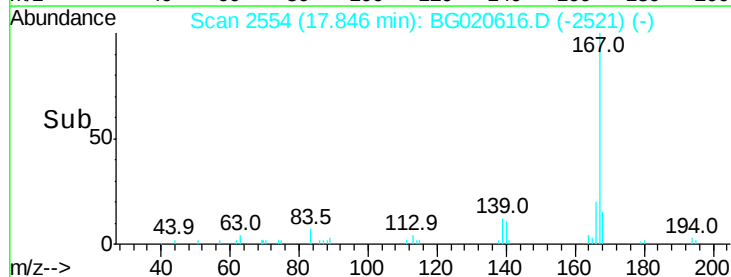
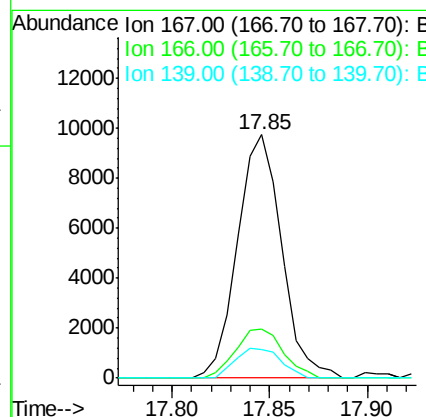
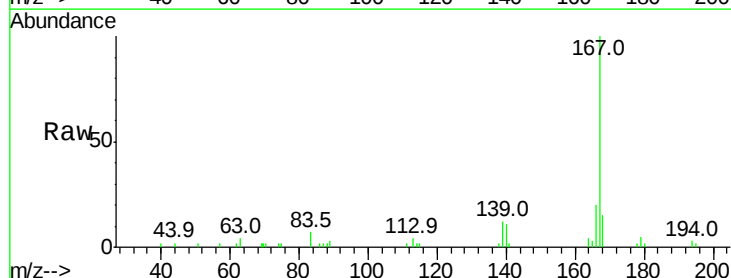
RT: 17.85 min Scan# 2554

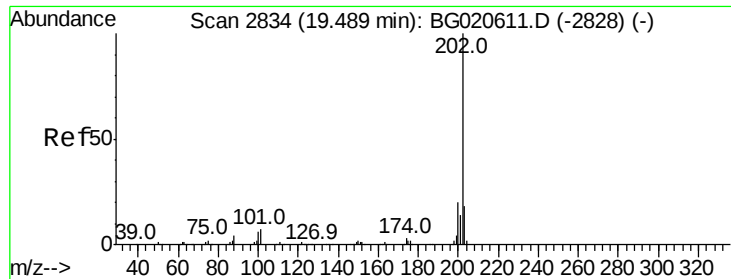
Delta R.T. -0.00 min

Lab File: BG020616.D

Acq: 30 Dec 2015 19:50

Tgt Ion:	167	Resp:	15291
Ion Ratio	Lower	Upper	
167	100		
166	20.1	17.0	25.4
139	11.8	9.1	13.7





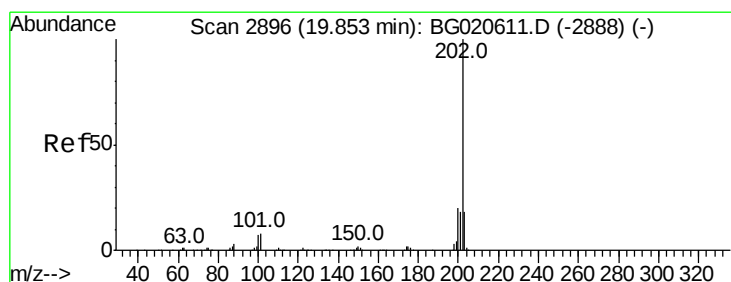
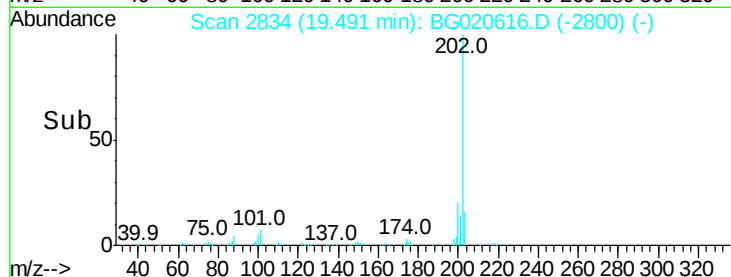
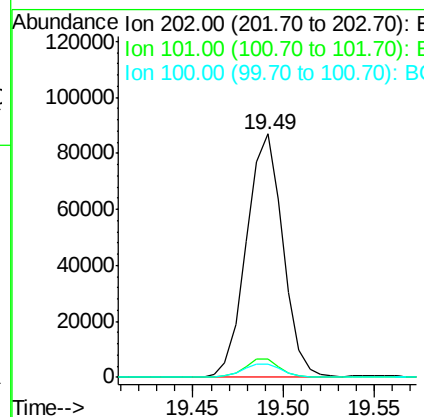
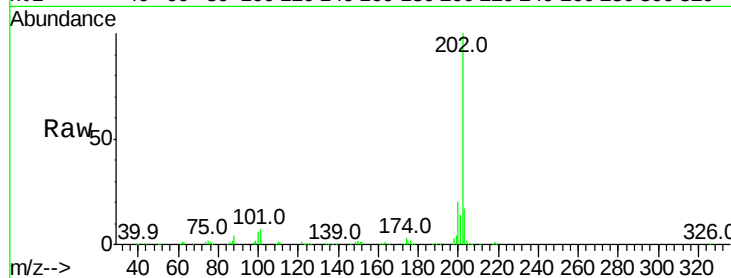
#77
Fluoranthene
 Concen: 12.28 ng/ul
 RT: 19.49 min Scan# 2834
 Delta R.T. 0.00 min
 Lab File: BG020616.D
 Acq: 30 Dec 2015 19:50

Instrument :
 BNA_G
 ClientSampleId :
 G9D93DL

Tot Ion:	202	Resp:	121872
Ion Ratio	Lower	Upper	
202	100		
101	7.4	6.1	9.1
100	5.5	4.6	7.0

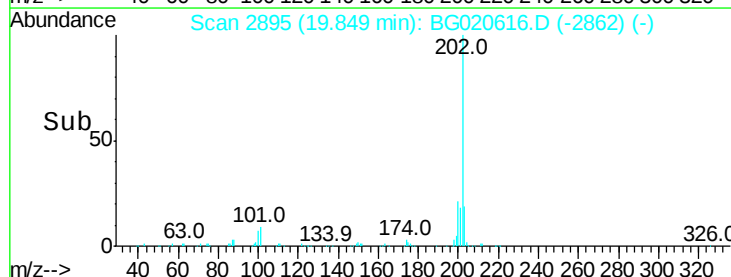
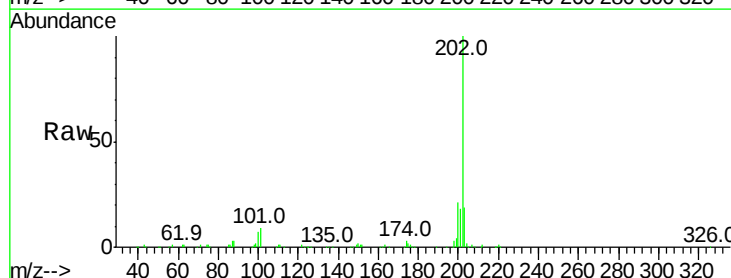
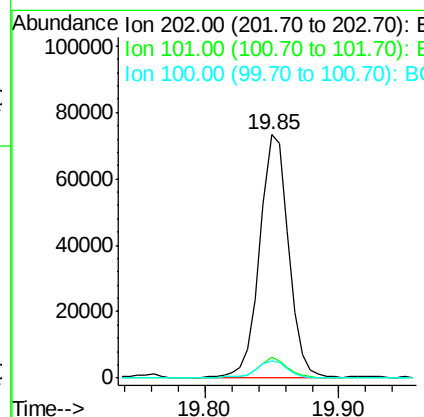
Manual Integrations
 APPROVED

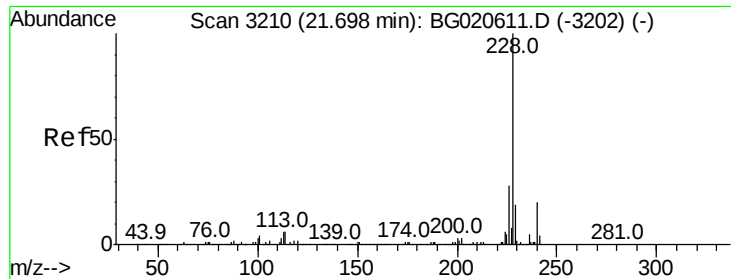
Sohil
 12/31/2015 6:35:45 PM



#80
Pyrene
 Concen: 10.27 ng/ul
 RT: 19.85 min Scan# 2895
 Delta R.T. -0.00 min
 Lab File: BG020616.D
 Acq: 30 Dec 2015 19:50

Tgt Ion:	202	Resp:	108762
Ion Ratio	Lower	Upper	
202	100		
101	8.7	6.9	10.3
100	7.2	5.6	8.4





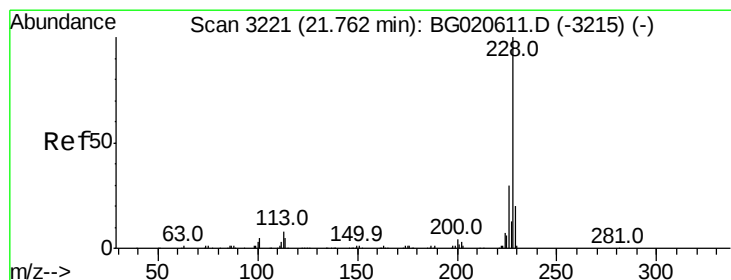
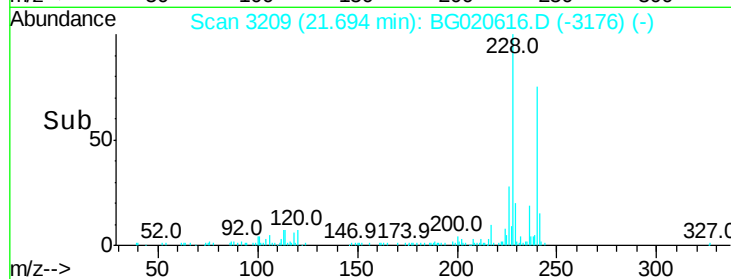
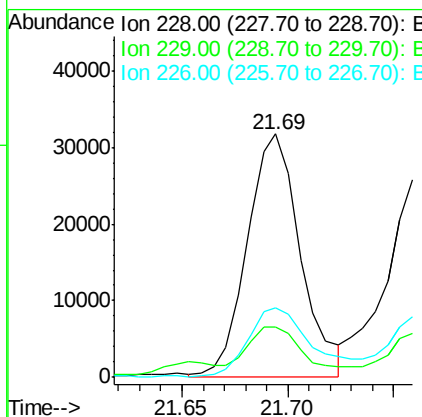
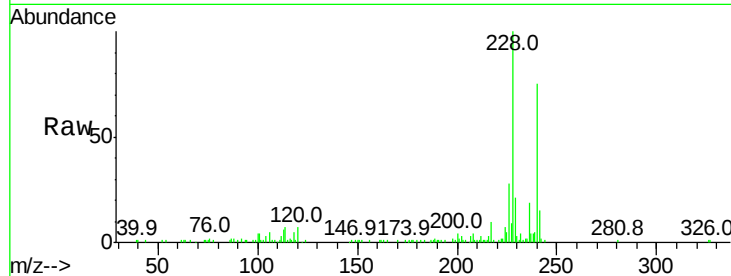
#83
Benzo(a)anthracene
Concen: 5.19 ng/ul
RT: 21.69 min Scan# 3209
Delta R.T. -0.00 min
Lab File: BG020616.D
Acq: 30 Dec 2015 19:50

Instrument :
BNA_G
ClientSampleId :
G9D93DL

Tot Ion	Ratio	Lower	Upper
228	100		
229	20.7	16.0	24.0
226	28.3	21.8	32.8

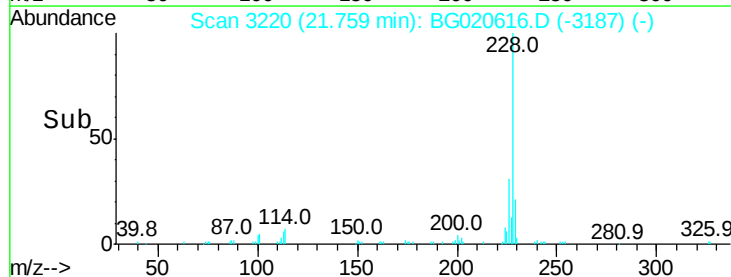
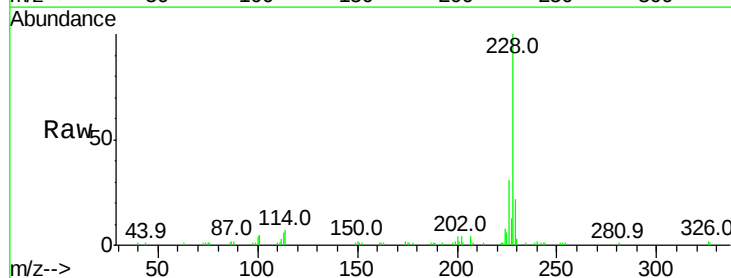
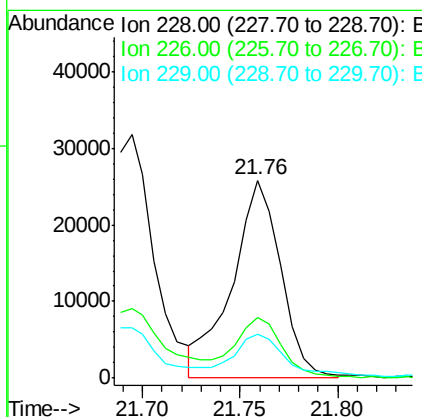
Manual Integrations
APPROVED

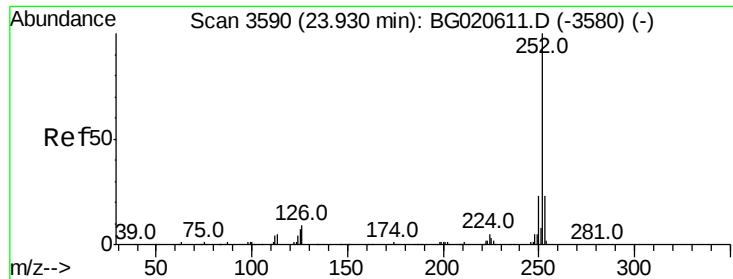
Sohil
12/31/2015 6:35:45 PM



#85
Chrysene
Concen: 4.40 ng/ul
RT: 21.76 min Scan# 3220
Delta R.T. -0.00 min
Lab File: BG020616.D
Acq: 30 Dec 2015 19:50

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.1	36.1
229	22.0	16.0	24.0





#88

Benzo(b)fluoranthene

Concen: 4.38 ng/ul

RT: 23.93 min Scan# 3590

Delta R.T. 0.00 min

Lab File: BG020616.D

Acq: 30 Dec 2015 19:50

Instrument :

BNA_G

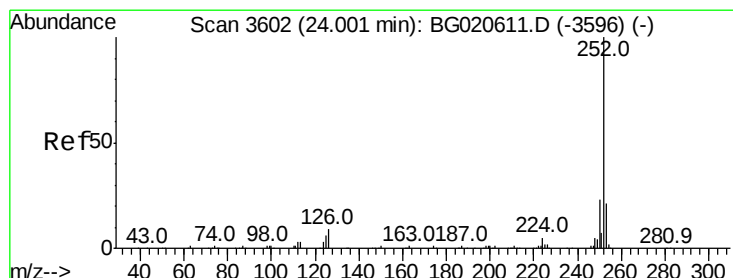
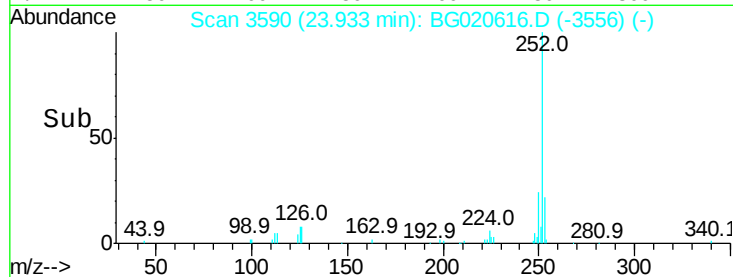
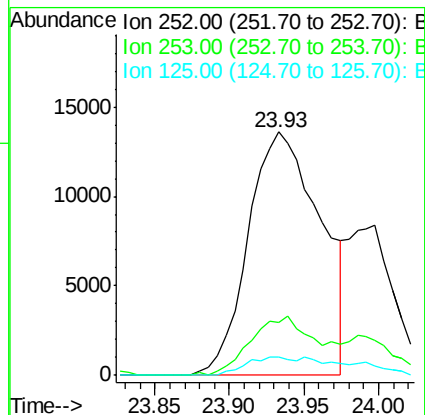
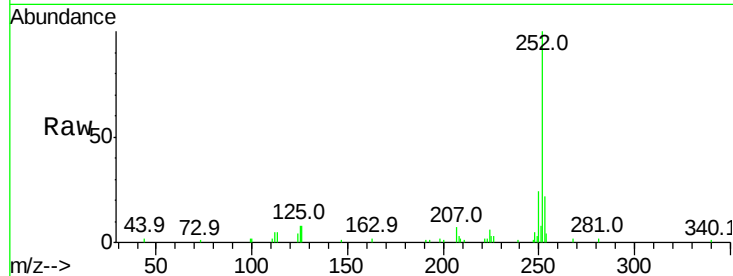
ClientSampleId :

G9D93DL

Manual Integrations
APPROVED

Sohil
12/31/2015 6:35:45 PM

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.0
125	7.6	4.9	7.3#



#89

Benzo(k)fluoranthene

Concen: 1.80 ng/ul m

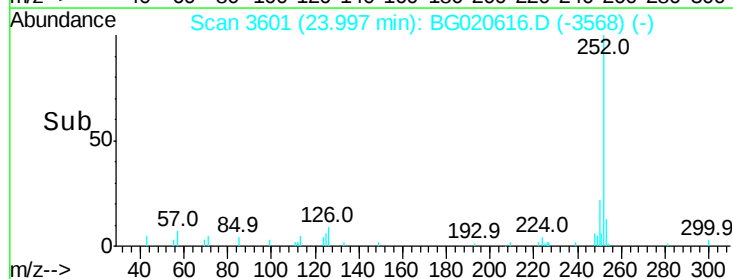
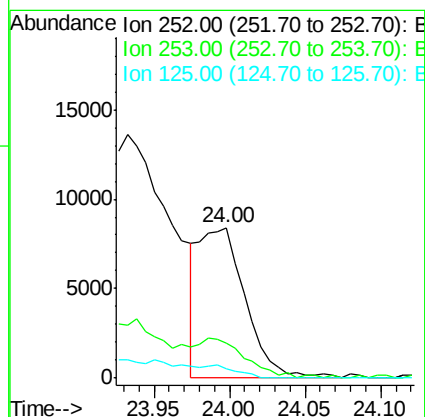
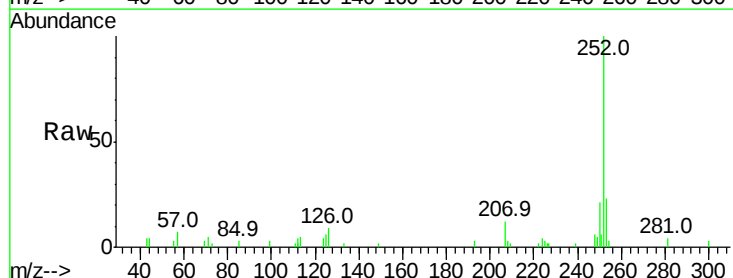
RT: 24.00 min Scan# 3601

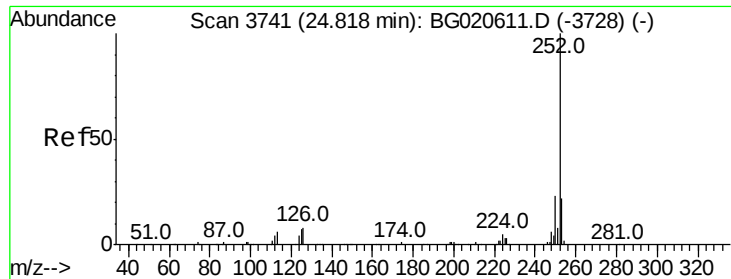
Delta R.T. -0.00 min

Lab File: BG020616.D

Acq: 30 Dec 2015 19:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.1	25.7
125	6.2	5.4	8.0





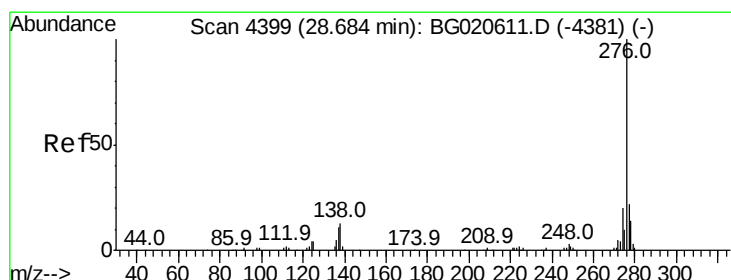
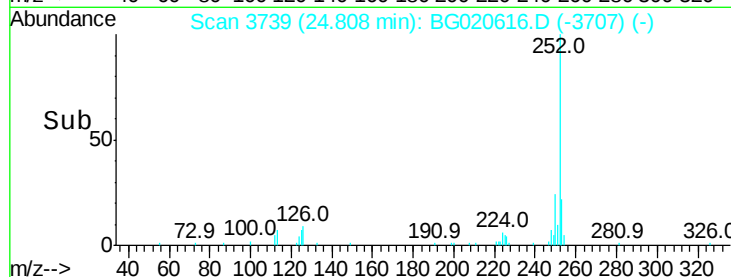
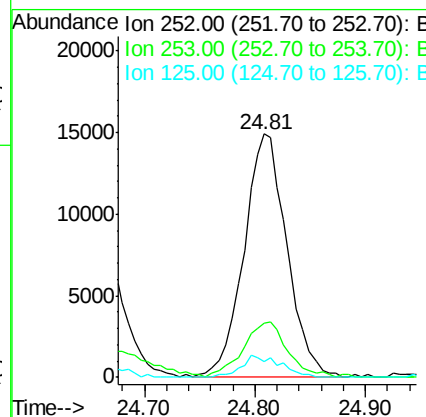
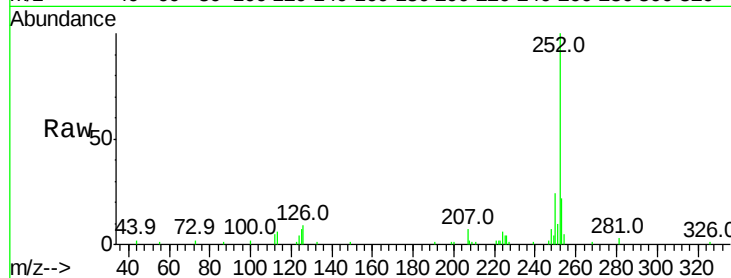
#91
Benzo(a)pyrene
Concen: 4.05 ng/ul
RT: 24.81 min Scan# 3739
Delta R.T. -0.01 min
Lab File: BG020616.D
Acq: 30 Dec 2015 19:50

Instrument :
BNA_G
ClientSampleId :
G9D93DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.2	25.8
125	6.7	5.8	8.6

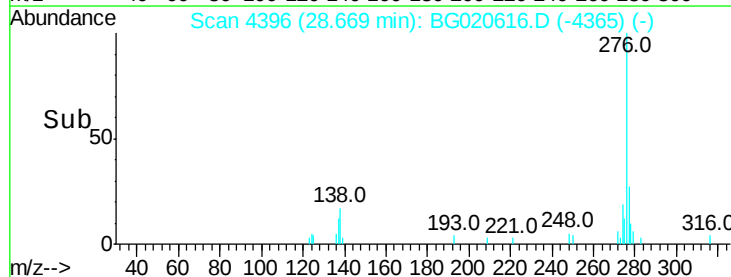
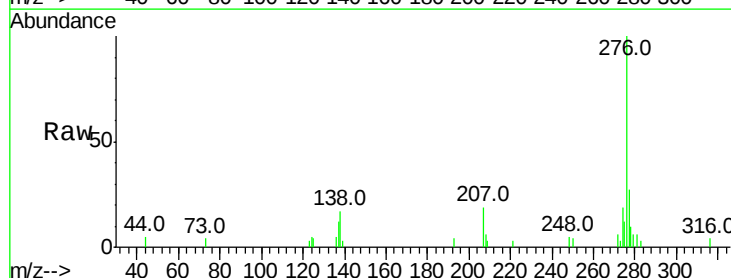
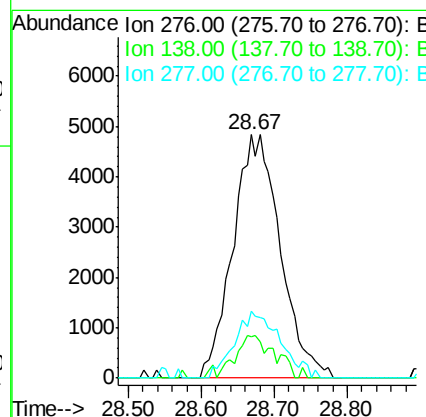
Manual Integrations
APPROVED

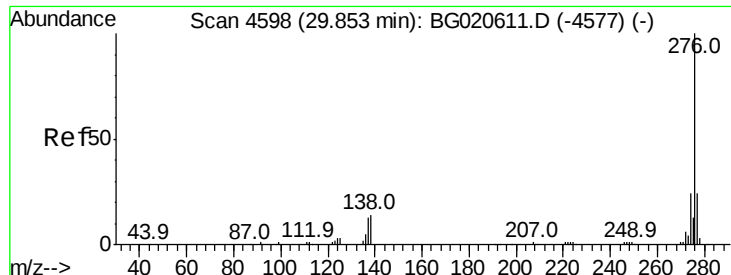
Sohil
12/31/2015 6:35:45 PM



#92
Indeno(1,2,3-cd)pyrene
Concen: 1.83 ng/ul m
RT: 28.67 min Scan# 4396
Delta R.T. -0.02 min
Lab File: BG020616.D
Acq: 30 Dec 2015 19:50

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.2	10.9	16.3#
277	27.4	18.9	28.3





#94

Benzo(a,h,i)perylene

Concen: 1.89 ng/ul m

RT: 29.84 min Scan# 4596

Delta R.T. -0.01 min

Lab File: BG020616.D

Acq: 30 Dec 2015 19:50

Instrument :

BNA_G

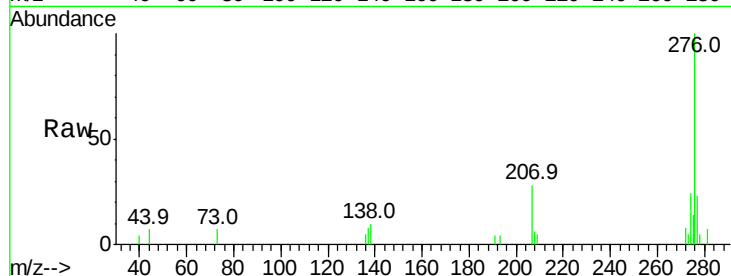
ClientSampleId :

G9D93DL

Tot Ion:	276	Resp:	18585
Ion Ratio	Lower	Upper	
276	100		
138	9.8	11.2	16.8#
277	23.4	19.0	28.6

Manual Integrations
APPROVED

Sohil
12/31/2015 6:35:45 PM



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

