

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021916\
 Data File : BG020990.D
 Acq On : 20 Feb 2016 2:48
 Operator : SJ/UM
 Sample : PB88447BS
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB88447BS

Manual Integrations
 APPROVED

UMANGI
 2/22/2016 10:55:40 AM

Quant Time: Feb 20 04:15:48 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG021116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 11 15:26:53 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.26	152	18728	20.00	ng	0.00
21) Naphthalene-d8	11.08	136	92813	20.00	ng	-0.01
38) Acenaphthene-d10	14.87	164	61930	20.00	ng	-0.01
63) Phenanthrene-d10	17.61	188	138912	20.00	ng	0.00
75) Chrysene-d12	21.89	240	131264	20.00	ng	-0.02
86) Perylene-d12	25.25	264	124204	20.00	ng	-0.04

System Monitoring Compounds

5) 2-Fluorophenol	5.79	112	151559	136.28	ng	0.00
7) Phenol-d6	7.41	99	211845	130.33	ng	0.00
23) Nitrobenzene-d5	9.43	82	114111	80.84	ng	0.00
41) 2,4,6-Tribromophenol	16.35	330	87581	143.81	ng	0.00
44) 2-Fluorobiphenyl	13.50	172	327053	74.18	ng	-0.01
78) Terphenyl-d14	20.19	244	463248	82.33	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.62	88	12856	31.79	ng	# 95
3) Pyridine	4.04	79	39519	33.04	ng	98
4) n-Nitrosodimethylamine	3.95	42	11982	38.29	ng	99
6) Aniline	7.58	93	33683	16.62	ng	98
8) 2-Chlorophenol	7.82	128	59404	42.76	ng	99
9) Benzaldehyde	7.39	77	9212	11.32	ng	96
10) Phenol	7.43	94	74059	43.05	ng	99
11) bis(2-Chloroethyl)ether	7.67	93	51434	37.44	ng	99
12) 1,3-Dichlorobenzene	8.15	146	55556	37.82	ng	98
13) 1,4-Dichlorobenzene	8.29	146	57155	38.38	ng	99
14) 1,2-Dichlorobenzene	8.62	146	56124	38.74	ng	98
15) Benzyl Alcohol	8.49	79	43435	42.39	ng	95
16) 2,2'-oxybis(1-Chloropropan	8.79	45	50422	35.18	ng	99
17) 2-Methylphenol	8.69	107	51996	41.96	ng	99
18) Hexachloroethane	9.35	117	19642	38.36	ng	94
19) n-Nitroso-di-n-propylamine	9.06	70	39106	37.29	ng	97
20) 3+4-Methylphenols	9.02	107	73303	42.45	ng	98
22) Acetophenone	9.09	105	81355	36.36	ng	# 99
24) Nitrobenzene	9.48	77	55850	37.96	ng	100
25) Isophorone	10.00	82	112202	37.71	ng	98
26) 2-Nitrophenol	10.19	139	32142	41.51	ng	97
27) 2,4-Dimethylphenol	10.24	122	61723	41.60	ng	95
28) bis(2-Chloroethoxy)methane	10.47	93	75440	41.15	ng	100
29) 2,4-Dichlorophenol	10.73	162	61085	45.93	ng	98
30) 1,2,4-Trichlorobenzene	10.94	180	52708	39.34	ng	96
31) Naphthalene	11.14	128	191196	39.82	ng	98
32) Benzoic acid	10.36	122	43393	36.46	ng	97
33) 4-Chloroaniline	11.24	127	17218	8.34	ng	96
34) Hexachlorobutadiene	11.41	225	26450	38.74	ng	99
35) Caprolactam	12.00	113	24830m	48.73	ng	
36) 4-Chloro-3-methylphenol	12.34	107	70614	46.34	ng	97
37) 2-Methylnaphthalene	12.72	142	148283	44.02	ng	99
39) 1,2,4,5-Tetrachlorobenzene	13.08	216	63109	34.74	ng	99
40) Hexachlorocyclopentadiene	13.06	237	56956	71.26	ng	95

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021916\
 Data File : BG020990.D
 Acq On : 20 Feb 2016 2:48
 Operator : SJ/UM
 Sample : PB88447BS
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB88447BS

Manual Integrations
 APPROVED

UMANGI
 2/22/2016 10:55:40 AM

Quant Time: Feb 20 04:15:48 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG021116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 11 15:26:53 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.32	196	50376	41.28	nq	99
43) 2,4,5-Trichlorophenol	13.39	196	55829	43.51	nq	99
45) 1,1'-Biphenyl	13.71	154	191634	35.08	nq	100
46) 2-Chloronaphthalene	13.76	162	144848	37.03	nq	100
47) 2-Nitroaniline	13.96	65	39423	42.09	nq	94
48) Acenaphthylene	14.60	152	265428	39.03	nq	99
49) Dimethylphthalate	14.32	163	198188	40.93	nq	99
50) 2,6-Dinitrotoluene	14.45	165	45510	43.85	nq	96
51) Acenaphthene	14.94	154	162814	39.48	nq	99
52) 3-Nitroaniline	14.77	138	25648	21.27	nq	95
53) 2,4-Dinitrophenol	14.97	184	41272	92.34	nq	92
54) Dibenzofuran	15.27	168	245470	45.00	nq	99
55) 4-Nitrophenol	15.07	139	84913	93.24	nq	96
56) 2,4-Dinitrotoluene	15.23	165	63537	47.37	nq	97
57) Fluorene	15.91	166	213638	42.53	nq	100
58) 2,3,4,6-Tetrachlorophenol	15.49	232	49635	50.77	nq	98
59) Diethylphthalate	15.67	149	216079	43.41	nq	99
60) 4-Chlorophenyl-phenylether	15.90	204	90953	40.77	nq	95
61) 4-Nitroaniline	15.93	138	52761	43.59	nq	99
62) Azobenzene	16.19	77	176364	45.06	nq	98
64) 4,6-Dinitro-2-methylphenol	15.98	198	28599	41.37	nq	97
65) n-Nitrosodiphenylamine	16.11	169	182011	40.55	nq	98
66) 4-Bromophenyl-phenylether	16.79	248	57255	39.03	nq	98
67) Hexachlorobenzene	16.91	284	63022	40.37	nq	99
68) Atrazine	17.05	200	58589	43.02	nq	99
69) Pentachlorophenol	17.25	266	73764	82.42	nq	95
70) Phenanthrene	17.65	178	323919	40.96	nq	99
71) Anthracene	17.74	178	324519	40.43	nq	99
72) Carbazole	18.00	167	298848	41.49	nq	99
73) Di-n-butylphthalate	18.55	149	365951	39.62	nq	100
74) Fluoranthene	19.64	202	347957	40.73	nq	98
76) Benzidine	19.81	184	97703	23.02	nq	98
77) Pyrene	20.00	202	358175	41.37	nq	99
79) Butylbenzylphthalate	20.87	149	166134	40.08	nq	98
80) Benzo(a)anthracene	21.86	228	321609	41.04	nq	99
81) 3,3'-Dichlorobenzidine	21.77	252	46893	16.12	nq	96
82) Chrysene	21.93	228	287646	39.03	nq	99
83) Bis(2-ethylhexyl)phthalate	21.75	149	242703	39.49	nq	99
84) Di-n-octyl phthalate	23.01	149	413476	40.99	nq	99
85) Indeno(1,2,3-cd)pyrene	29.13	276	353068	41.66	nq	# 89
87) Benzo(b)fluoranthene	24.18	252	321615	42.31	nq	99
88) Benzo(k)fluoranthene	24.26	252	299043	40.15	nq	99
89) Benzo(a)pyrene	25.10	252	304195	42.00	nq	100
90) Dibenzo(a,h)anthracene	29.19	278	286363	40.66	nq	100
91) Benzo(g,h,i)perylene	30.34	276	274557	39.27	nq	99

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

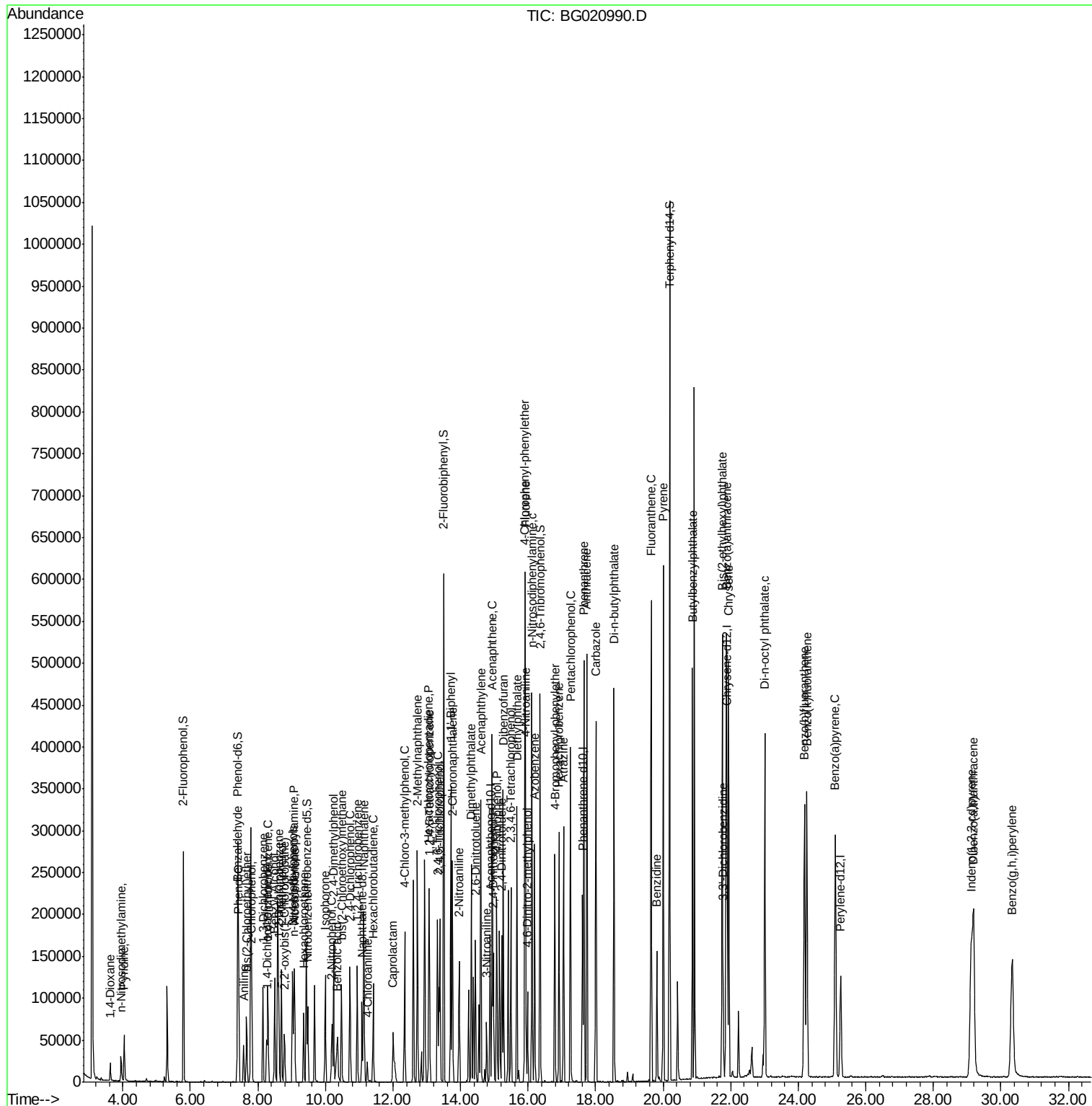
Data Path : Z:\HPCHEM1\BNA G\DATA\BG021916\
Data File : BG020990.D
Acq On : 20 Feb 2016 2:48
Operator : SJ/UM
Sample : PB88447BS
Misc :
ALS Vial : 20 Sample Multiplier: 1

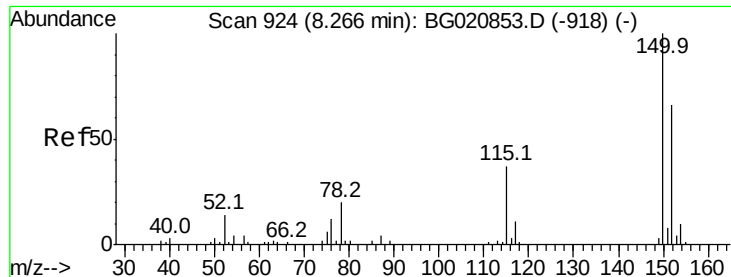
Instrument :
BNA_G
ClientSampleID :
PB88447BS

Manual Integrations
APPROVED

UMANGI
2/22/2016 10:55:40 AM

Quant Time: Feb 20 04:15:48 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG021116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 11 15:26:53 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.26 min Scan# 923

Delta R.T. -0.01 min

Lab File: BG020990.D

Acq: 20 Feb 2016 2:48

Instrument :

BNA_G

ClientSampleId :

PB88447BS

Tot Ion:152 Resp: 18728

Ion Ratio Lower Upper

152 100

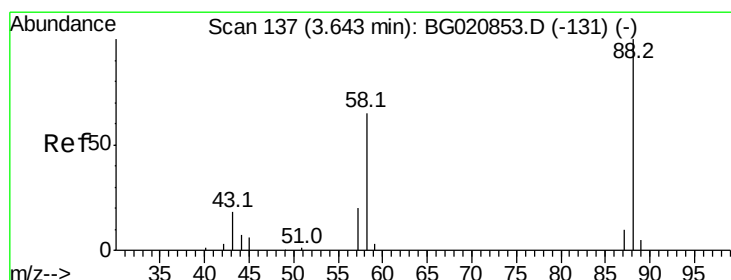
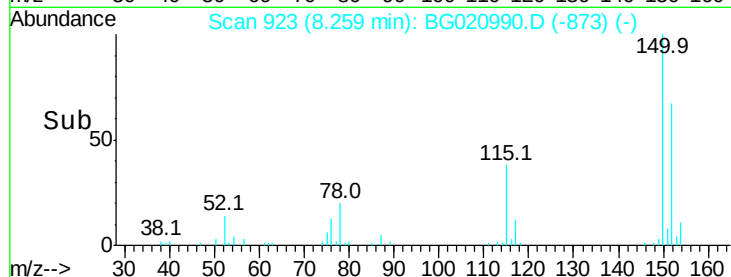
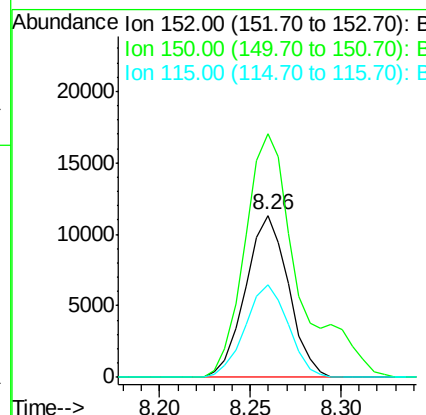
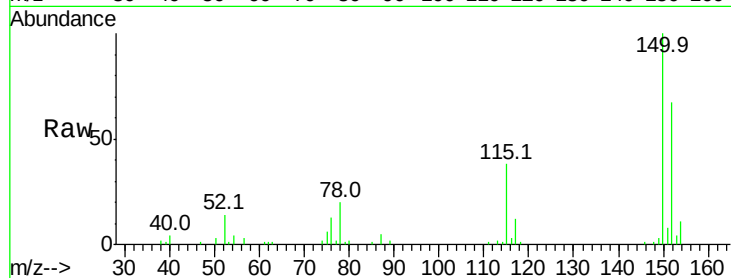
150 150.2 122.0 183.0

115 57.1 45.2 67.8

Manual Integrations
APPROVED

UMANGI

2/22/2016 10:55:40 AM



#2

1,4-Dioxane

Concen: 31.79 ng

RT: 3.62 min Scan# 134

Delta R.T. -0.02 min

Lab File: BG020990.D

Acq: 20 Feb 2016 2:48

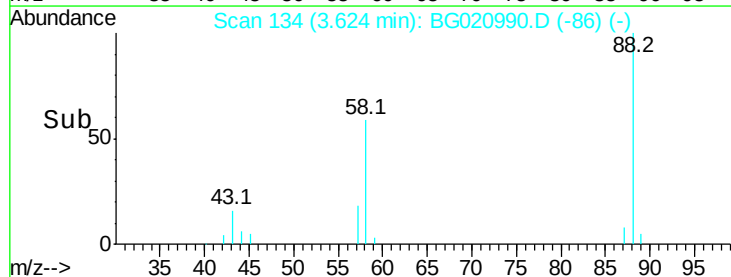
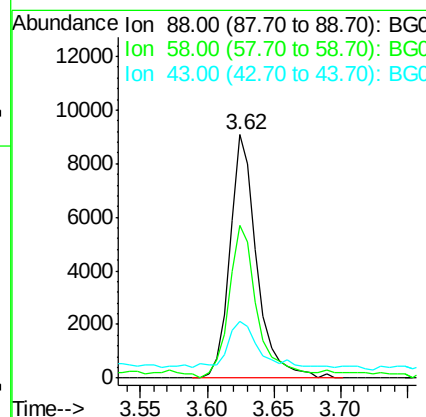
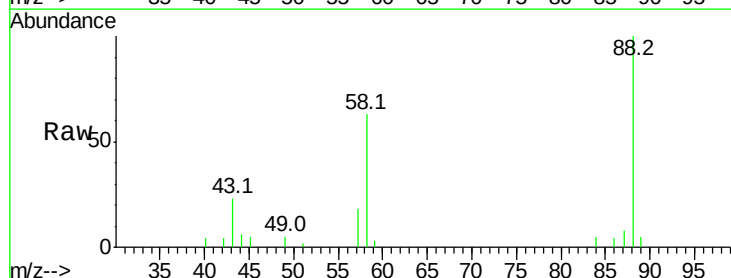
Tgt Ion: 88 Resp: 12856

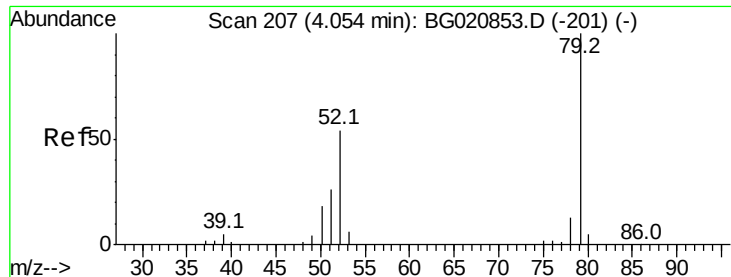
Ion Ratio Lower Upper

88 100

58 66.3 50.3 75.5

43 21.9 14.5 21.7#





#3

Pvridine

Concen: 33.04 ng

RT: 4.04 min Scan# 205

Delta R.T. -0.01 min

Lab File: BG020990.D

Acq: 20 Feb 2016 2:48

Instrument :

BNA_G

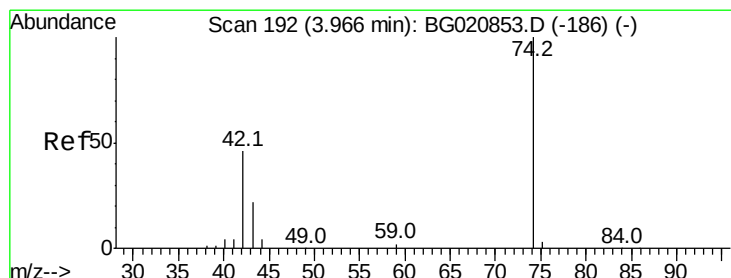
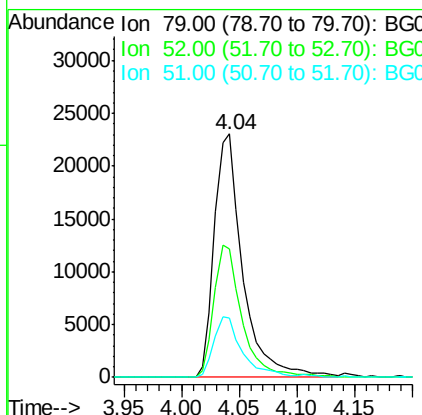
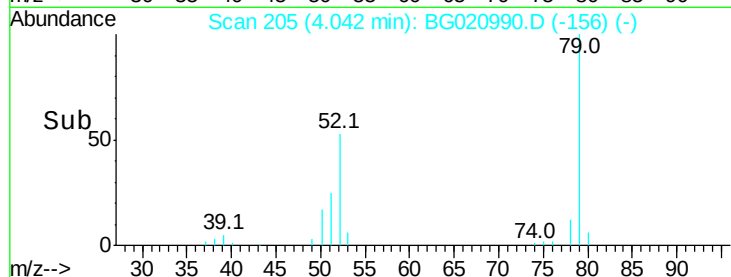
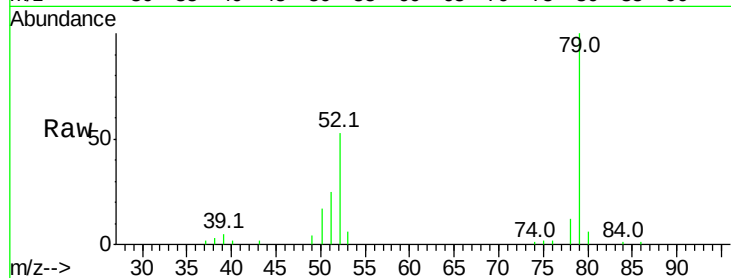
ClientSampleId :

PB88447BS

Tot Ion:	79	Resp:	39519
Ion	Ratio	Lower	Upper
79	100		
52	52.9	43.1	64.7
51	24.6	20.7	31.1

Manual Integrations
APPROVED

UMANGI
2/22/2016 10:55:40 AM



#4

n-Nitrosodimethylamine

Concen: 38.29 ng

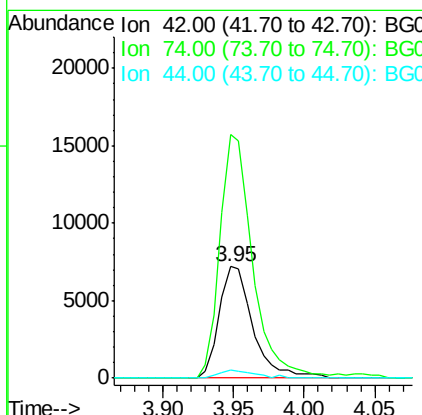
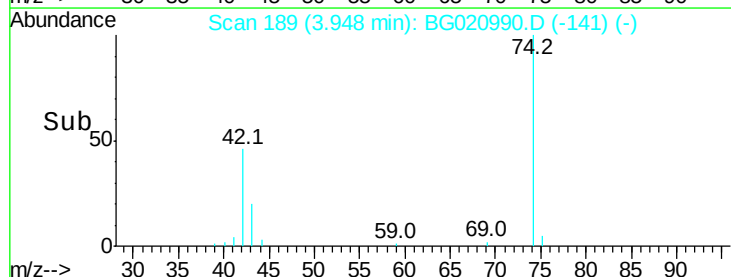
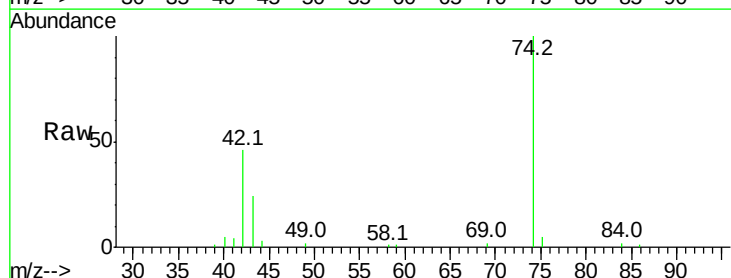
RT: 3.95 min Scan# 189

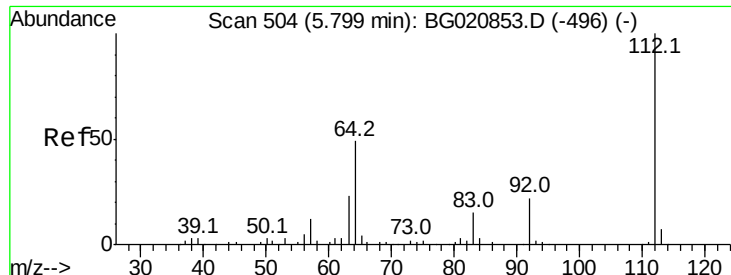
Delta R.T. -0.02 min

Lab File: BG020990.D

Acq: 20 Feb 2016 2:48

Tgt Ion:	42	Resp:	11982
Ion	Ratio	Lower	Upper
42	100		
74	219.0	173.8	260.6
44	7.3	6.3	9.5





#5

2-Fluorophenol

Concen: 136.28 ng

RT: 5.79 min Scan# 503

Delta R.T. -0.01 min

Lab File: BG020990.D

Acq: 20 Feb 2016 2:48

Instrument :

BNA_G

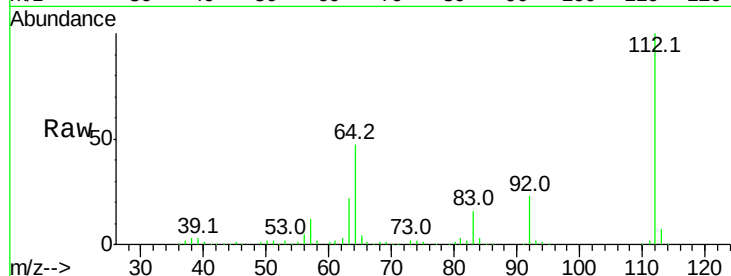
ClientSampleId :

PB88447BS

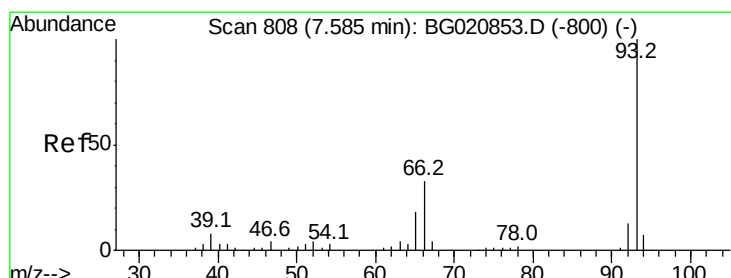
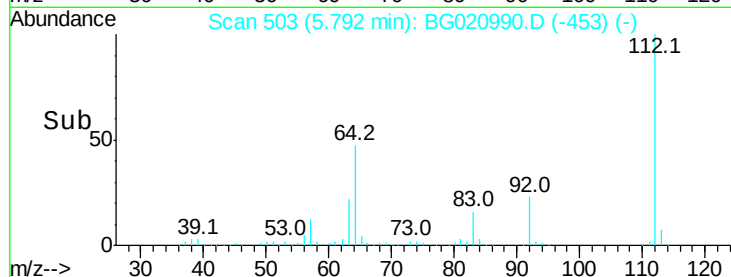
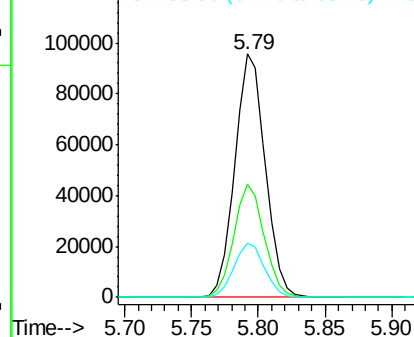
Tot Ion:	112	Resp:	151559
Ion Ratio	Lower	Upper	
112	100		
64	46.6	39.3	58.9
63	22.4	18.2	27.4

Manual Integrations
APPROVED

UMANGI
2/22/2016 10:55:40 AM



Abundance Ion 112.00 (111.70 to 112.70): BGC
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 16.62 ng

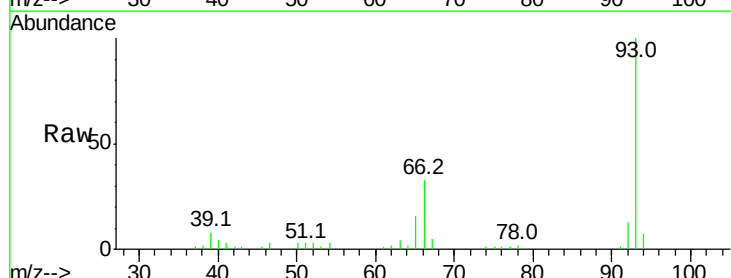
RT: 7.58 min Scan# 807

Delta R.T. -0.01 min

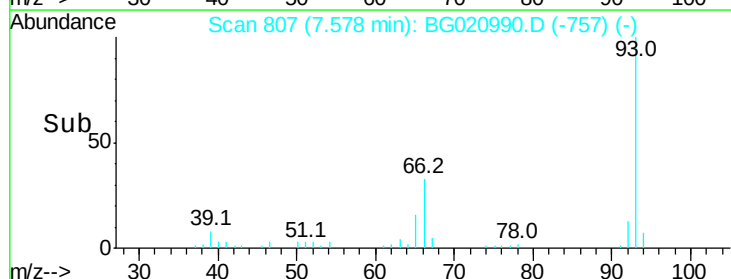
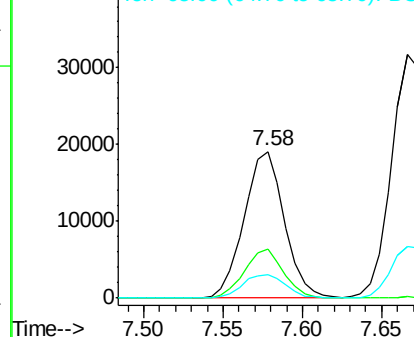
Lab File: BG020990.D

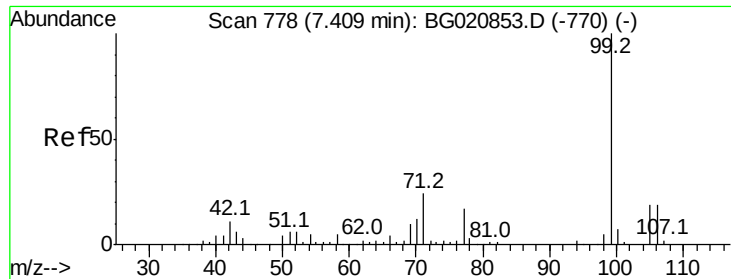
Acq: 20 Feb 2016 2:48

Tgt Ion:	93	Resp:	33683
Ion Ratio	Lower	Upper	
93	100		
66	33.2	26.6	40.0
65	15.7	14.0	21.0



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 66.00 (65.70 to 66.70): BGC
Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 130.33 ng

RT: 7.41 min Scan# 778

Delta R.T. -0.00 min

Lab File: BG020990.D

Acq: 20 Feb 2016 2:48

Instrument :

BNA_G

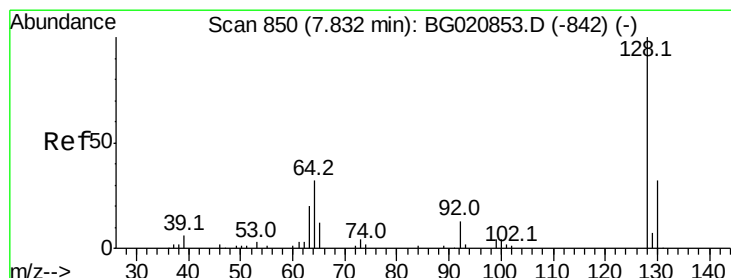
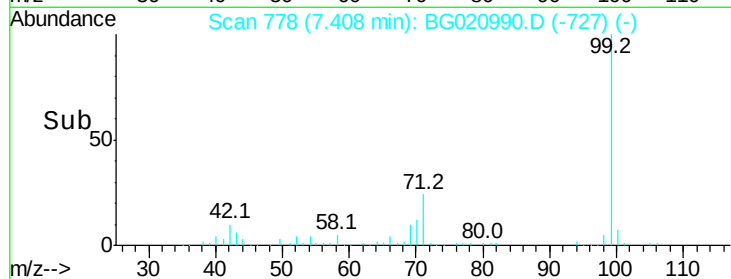
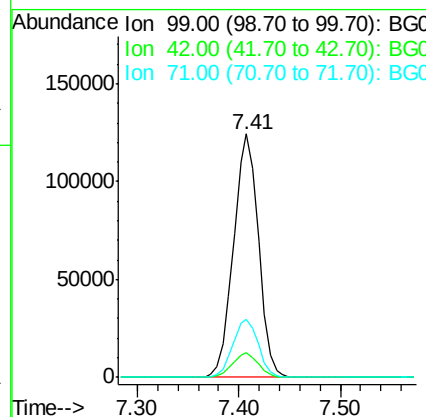
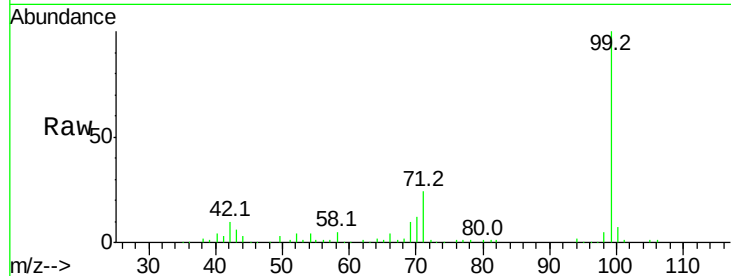
ClientSampleId :

PB88447BS

Tot Ion:	99	Resp:	211845
Ion Ratio	Lower	Upper	
99	100		
42	10.1	8.4	12.6
71	23.9	19.4	29.0

Manual Integrations
APPROVED

UMANGI
2/22/2016 10:55:40 AM



#8

2-Chlorophenol

Concen: 42.76 ng

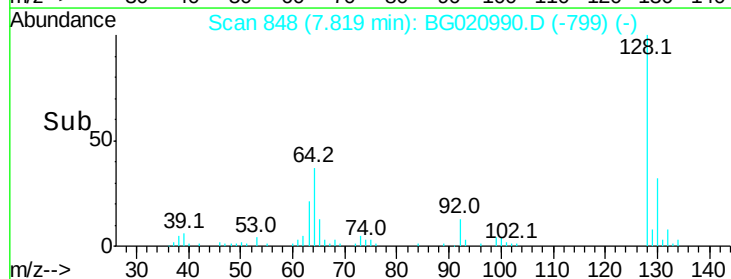
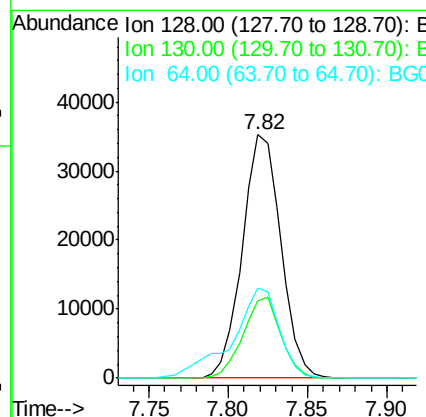
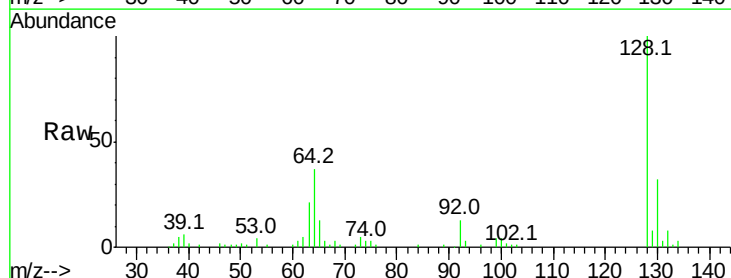
RT: 7.82 min Scan# 848

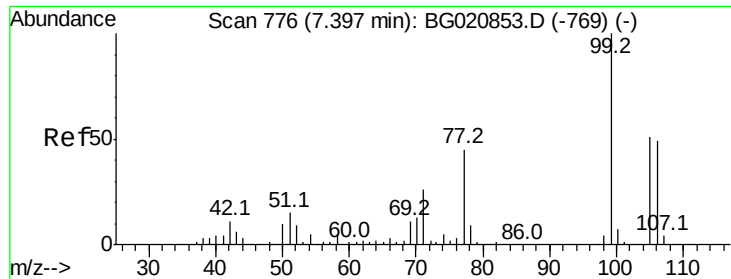
Delta R.T. -0.01 min

Lab File: BG020990.D

Acq: 20 Feb 2016 2:48

Tgt Ion:	128	Resp:	59404
Ion Ratio	Lower	Upper	
128	100		
130	31.9	12.3	52.3
64	37.1	15.9	55.9





#9

Benzaldehyde

Concen: 11.32 ng

RT: 7.39 min Scan# 775

Delta R.T. -0.01 min

Lab File: BG020990.D

Acq: 20 Feb 2016 2:48

Instrument :

BNA_G

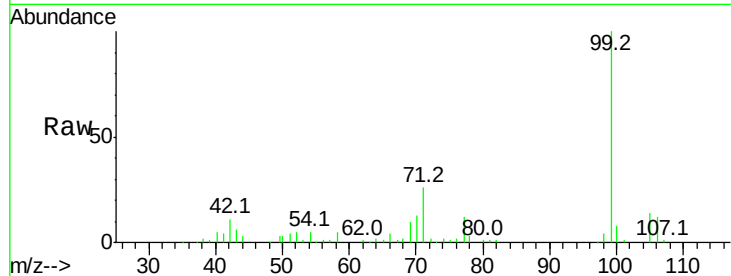
ClientSampleId :

PB88447BS

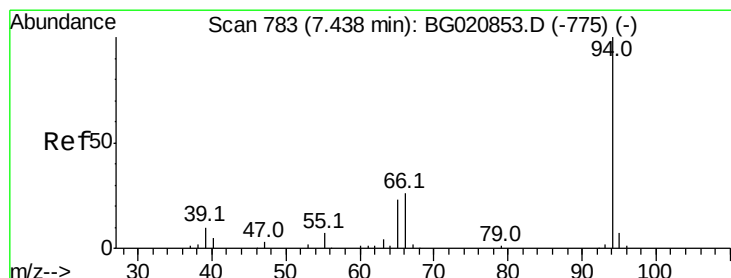
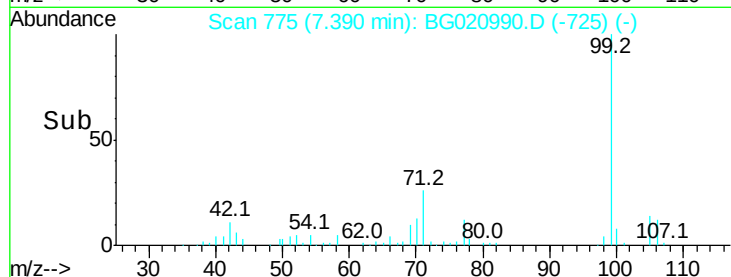
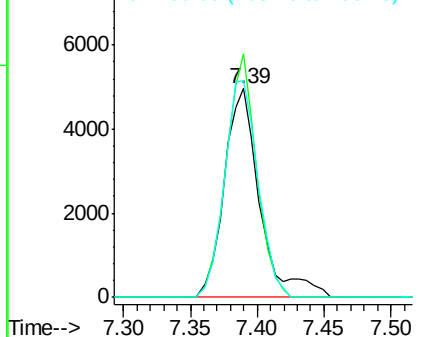
Tot Ion:	77	Resp:	9212
Ion	Ratio	Lower	Upper
77	100		
105	116.8	93.4	133.4
106	103.7	88.7	128.7

Manual Integrations
APPROVED

UMANGI
2/22/2016 10:55:40 AM



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 43.05 ng

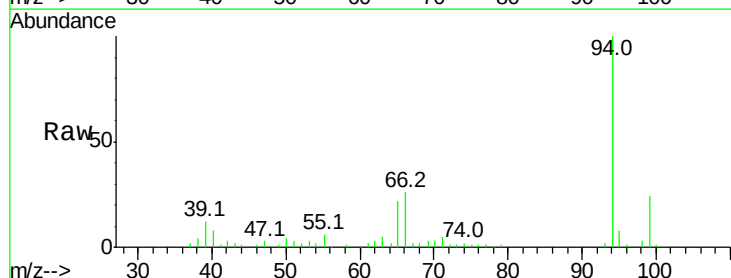
RT: 7.43 min Scan# 782

Delta R.T. -0.01 min

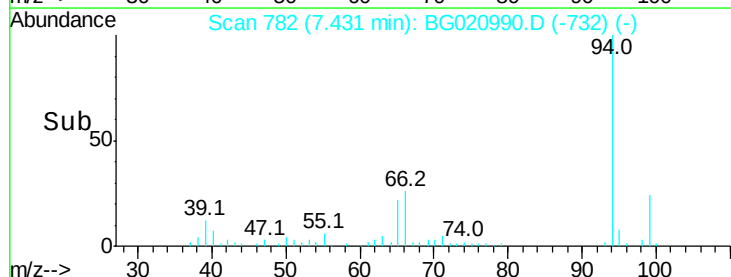
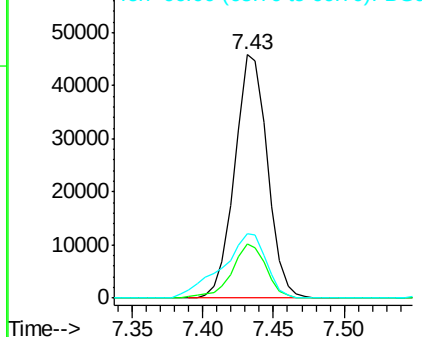
Lab File: BG020990.D

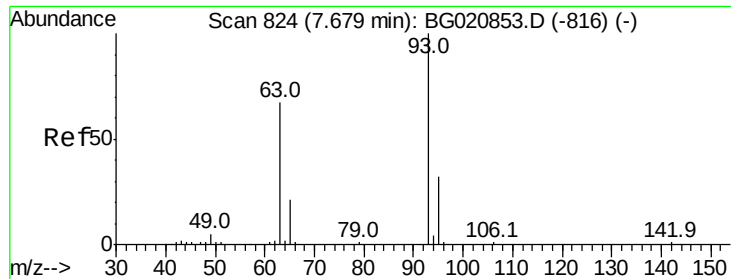
Acq: 20 Feb 2016 2:48

Tgt Ion:	94	Resp:	74059
Ion	Ratio	Lower	Upper
94	100		
65	22.4	2.8	42.8
66	26.3	7.2	47.2



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





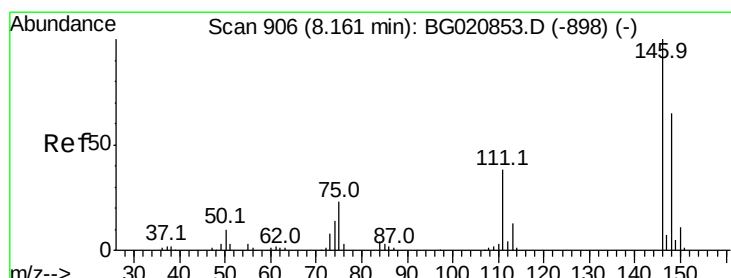
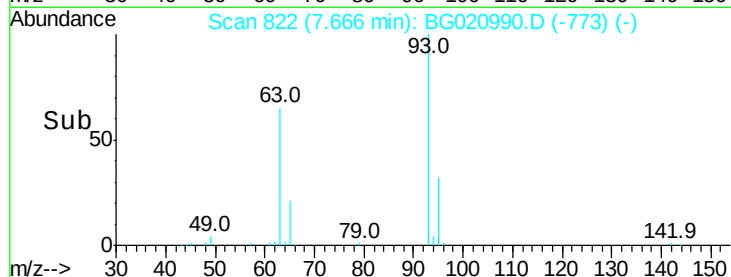
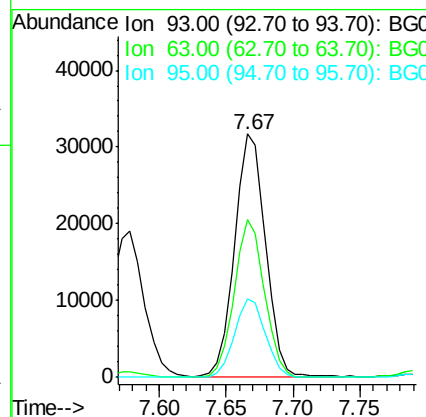
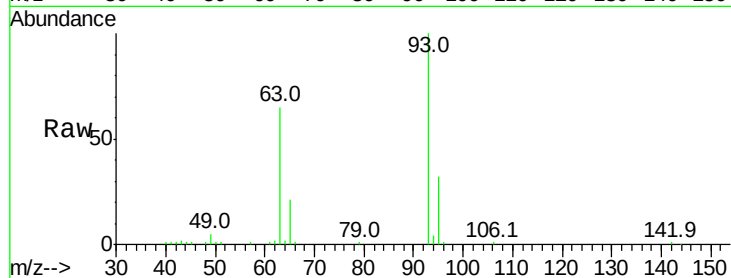
#11
bis(2-Chloroethyl)ether
Concen: 37.44 ng
RT: 7.67 min Scan# 822
Delta R.T. -0.01 min
Lab File: BG020990.D
Acq: 20 Feb 2016 2:48

Instrument :
BNA_G
ClientSampleId :
PB88447BS

Tot Ion	Ratio	Resp	Lower	Upper
93	100			
63	65.0	46.4	86.4	
95	32.4	12.1	52.1	

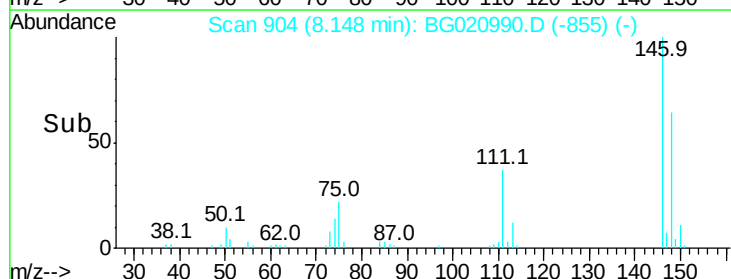
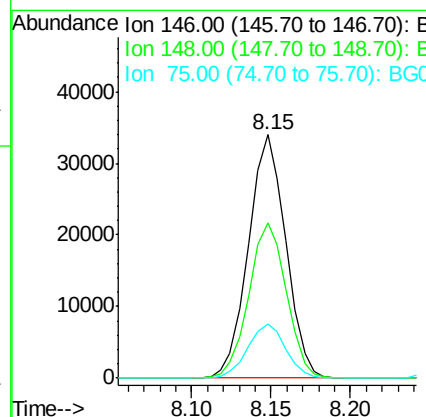
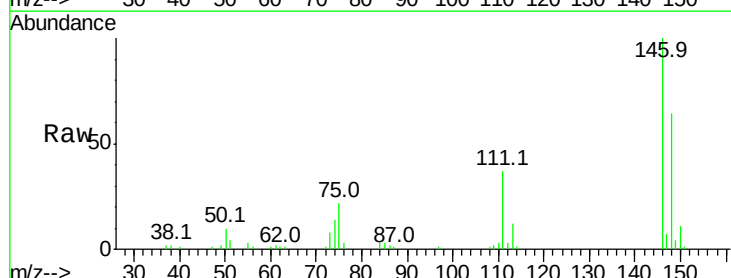
Manual Integrations
APPROVED

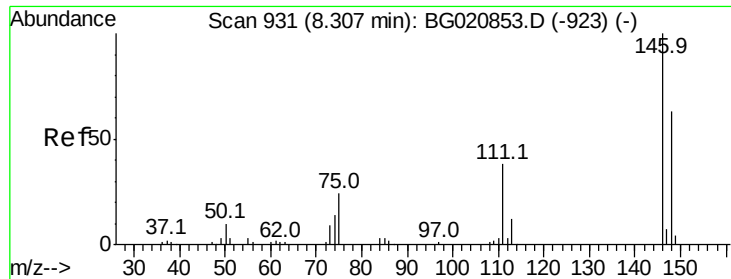
UMANGI
2/22/2016 10:55:40 AM



#12
1,3-Dichlorobenzene
Concen: 37.82 ng
RT: 8.15 min Scan# 904
Delta R.T. -0.01 min
Lab File: BG020990.D
Acq: 20 Feb 2016 2:48

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
148	63.7	51.8	77.8	
75	22.4	18.7	28.1	





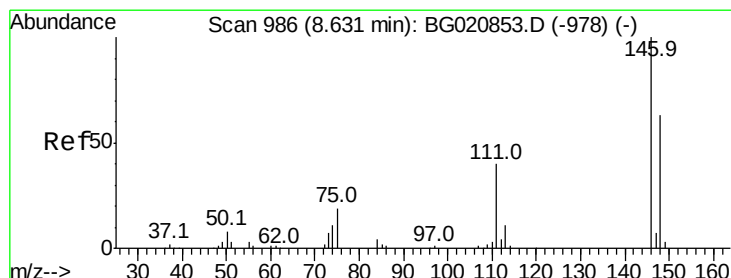
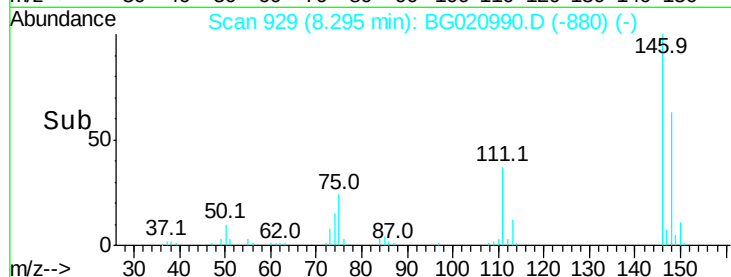
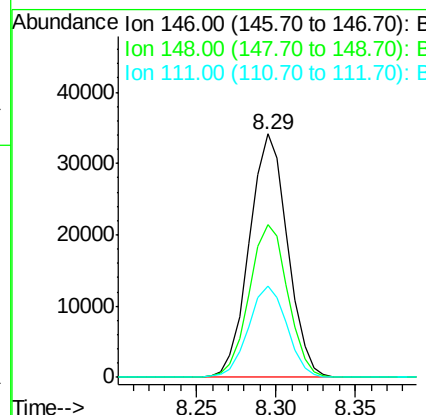
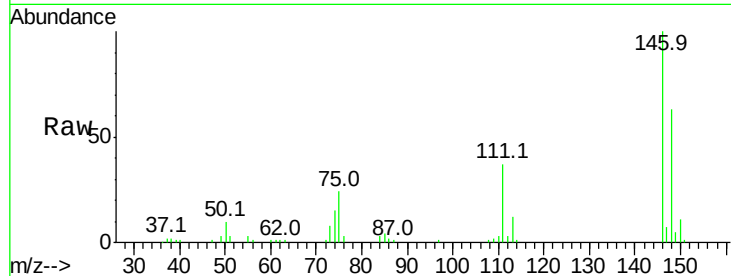
#13
1,4-Dichlorobenzene
Concen: 38.38 ng
RT: 8.29 min Scan# 929
Delta R.T. -0.01 min
Lab File: BG020990.D
Acq: 20 Feb 2016 2:48

Instrument :
BNA_G
ClientSampleId :
PB88447BS

Tot Ion	Ratio	Lower	Upper
146	100		
148	62.5	50.8	76.2
111	37.3	30.1	45.1

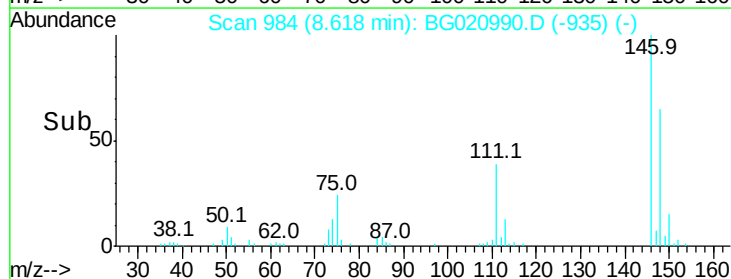
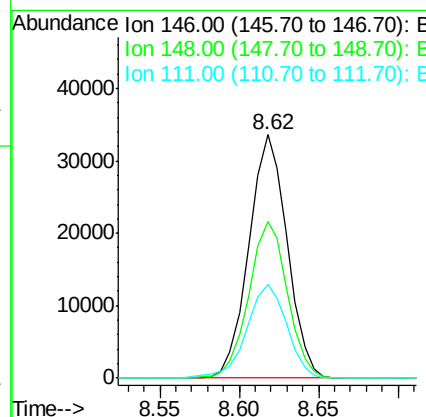
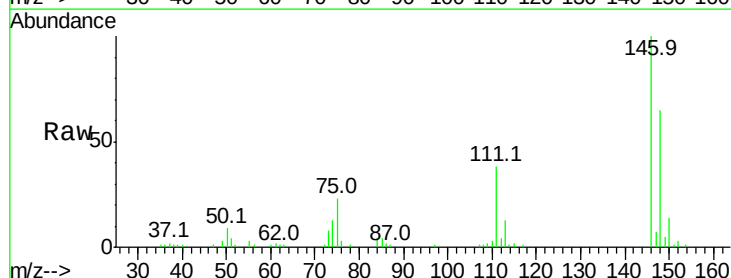
Manual Integrations
APPROVED

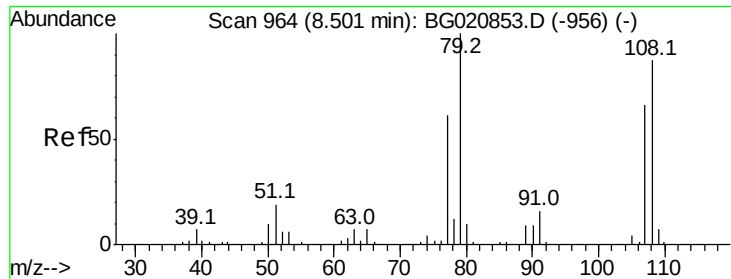
UMANGI
2/22/2016 10:55:40 AM



#14
1,2-Dichlorobenzene
Concen: 38.74 ng
RT: 8.62 min Scan# 984
Delta R.T. -0.01 min
Lab File: BG020990.D
Acq: 20 Feb 2016 2:48

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.5	50.6	76.0
111	38.4	32.6	48.8





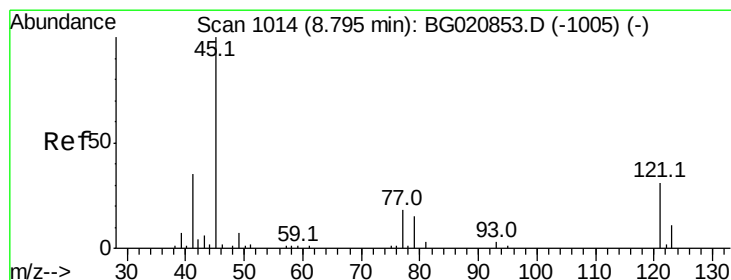
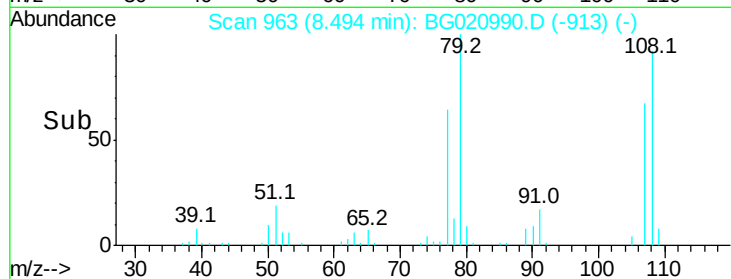
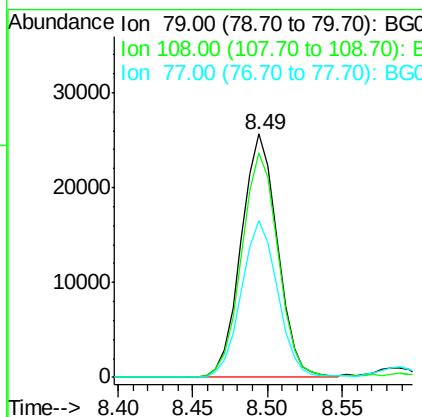
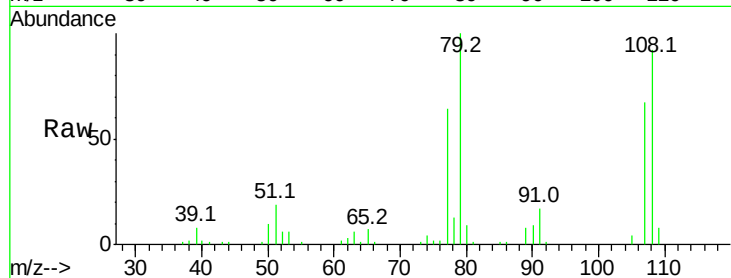
#15
Benzyl Alcohol
Concen: 42.39 ng
RT: 8.49 min Scan# 963
Delta R.T. -0.01 min
Lab File: BG020990.D
Acq: 20 Feb 2016 2:48

Instrument :
BNA_G
ClientSampleId :
PB88447BS

Tot Ion	Ratio	Lower	Upper
79	100		
108	92.0	69.4	104.2
77	64.2	48.6	73.0

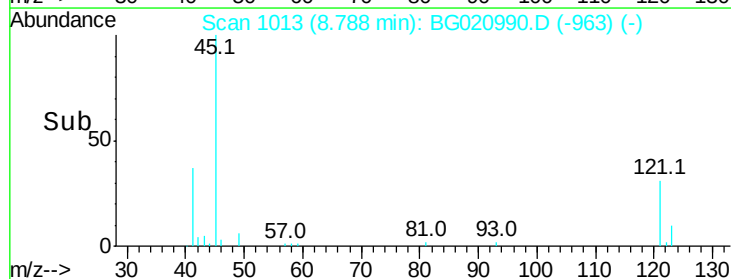
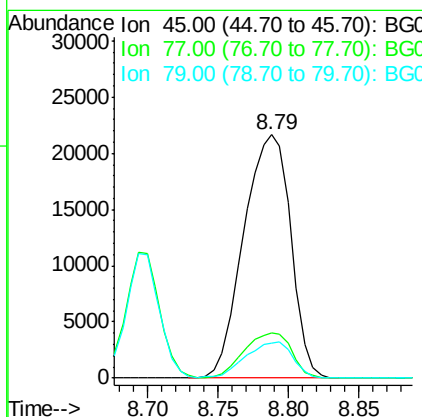
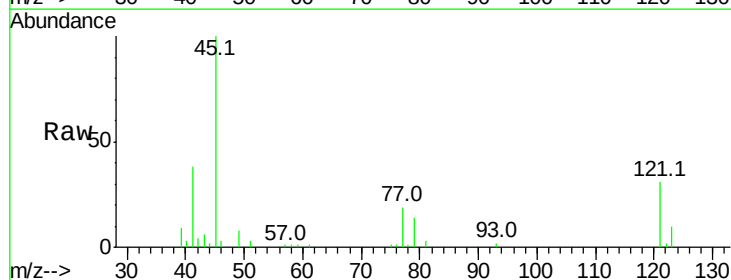
Manual Integrations
APPROVED

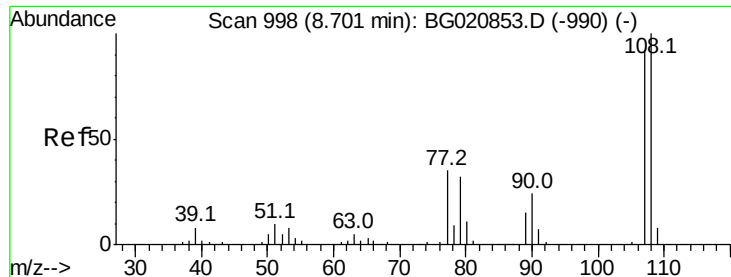
UMANGI
2/22/2016 10:55:40 AM



#16
2,2'-oxybis(1-chloropropane)
Concen: 35.18 ng
RT: 8.79 min Scan# 1013
Delta R.T. -0.01 min
Lab File: BG020990.D
Acq: 20 Feb 2016 2:48

Tgt Ion	Ratio	Lower	Upper
45	100		
77	18.6	0.0	38.5
79	14.5	0.0	34.9





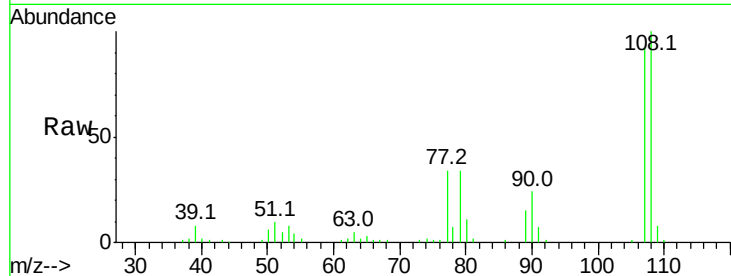
#17
2-Methylphenol
Concen: 41.96 ng
RT: 8.69 min Scan# 997
Delta R.T. -0.01 min
Lab File: BG020990.D
Acq: 20 Feb 2016 2:48

Instrument :
BNA_G
ClientSampleId :
PB88447BS

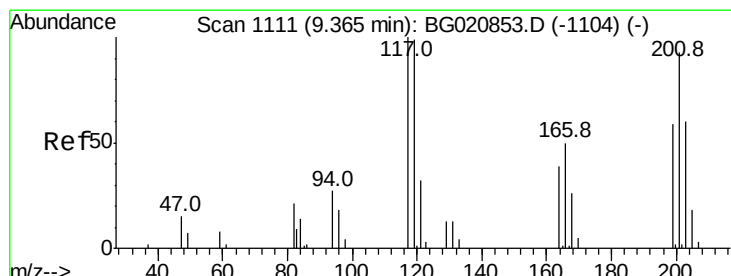
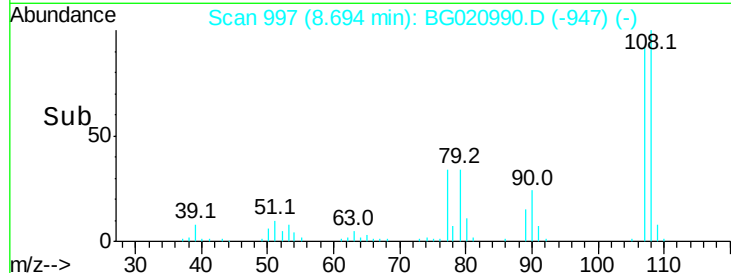
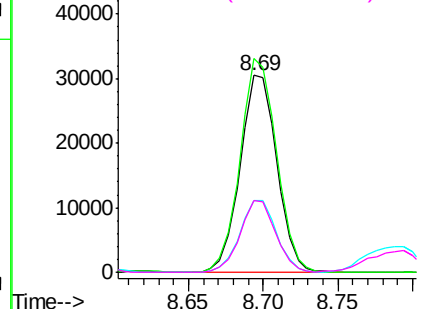
Tot Ion	Ion	Ratio	Resp	Lower	Upper
107	107	100	51996		
108	108.6	87.0	130.4		
77	36.7	30.1	45.1		
79	36.4	27.4	41.2		

Manual Integrations
APPROVED

UMANGI
2/22/2016 10:55:40 AM

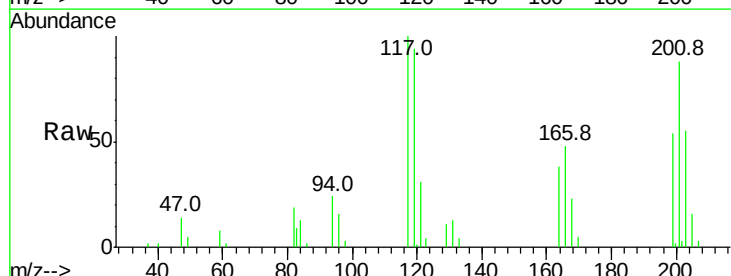


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BG
Ion 79.00 (78.70 to 79.70): BG

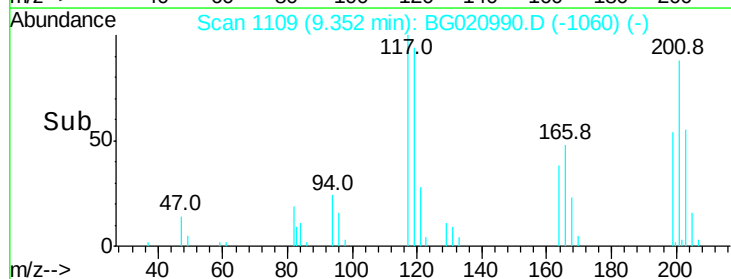
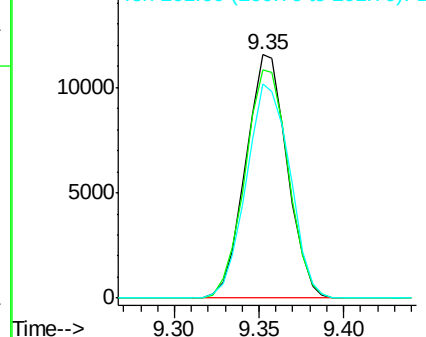


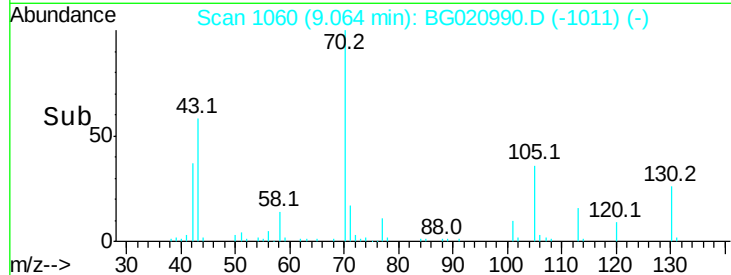
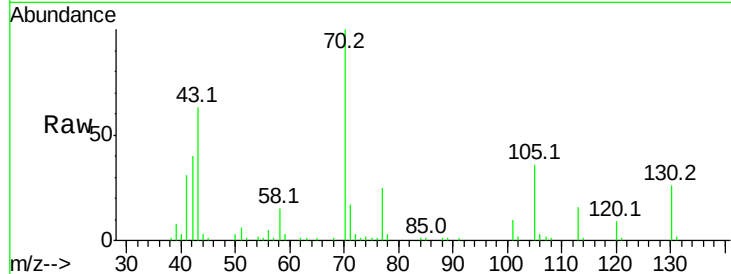
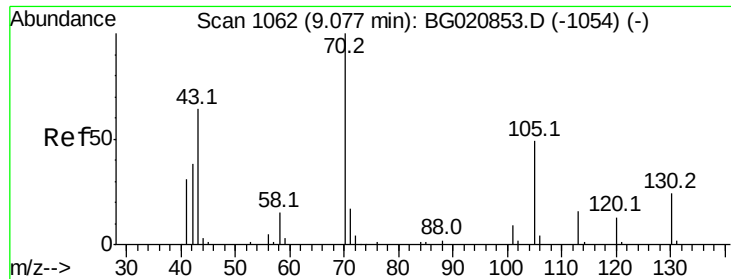
#18
Hexachloroethane
Concen: 38.36 ng
RT: 9.35 min Scan# 1109
Delta R.T. -0.01 min
Lab File: BG020990.D
Acq: 20 Feb 2016 2:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	117	100	19642		
119	93.7	79.6	119.4		
201	87.9	74.5	111.7		



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E





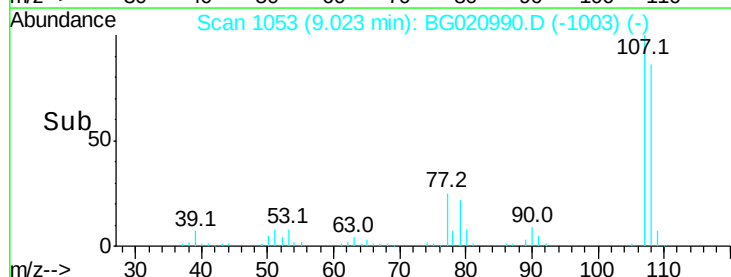
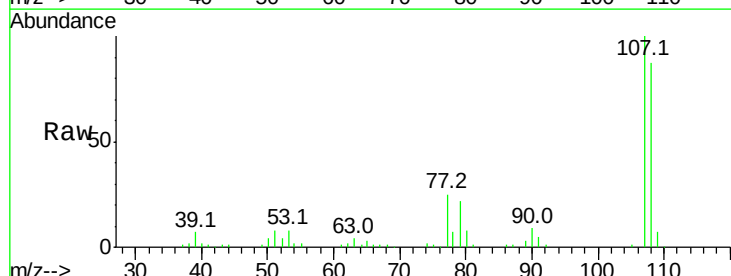
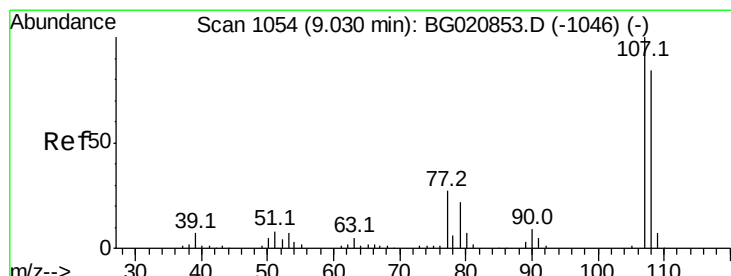
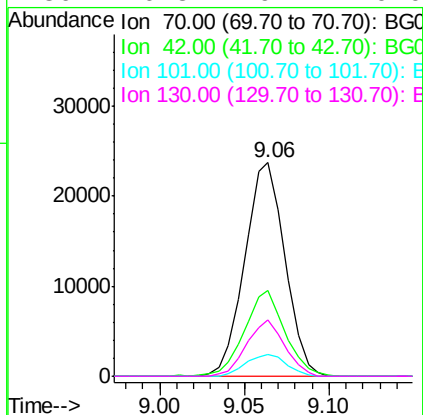
#19
n-Nitroso-di-n-propylamine
Concen: 37.29 ng
RT: 9.06 min Scan# 1060
Delta R.T. -0.01 min
Lab File: BG020990.D
Acq: 20 Feb 2016 2:48

Instrument :
BNA_G
ClientSampleId :
PB88447BS

Manual Integrations
APPROVED

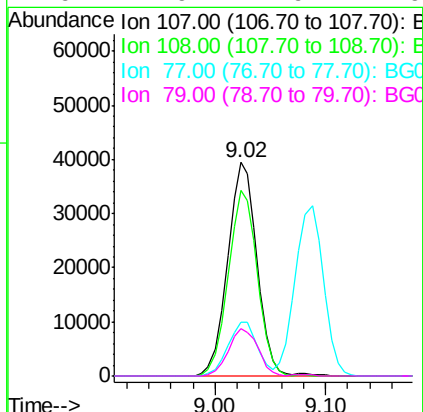
UMANGI
2/22/2016 10:55:40 AM

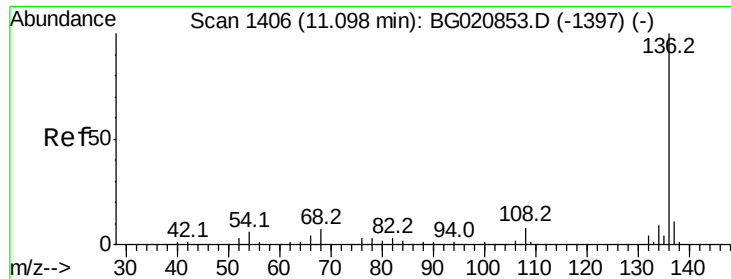
Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	39.9	30.9	46.3	
101	9.9	7.3	10.9	
130	26.3	19.4	29.0	



#20
3+4-Methylphenols
Concen: 42.45 ng
RT: 9.02 min Scan# 1053
Delta R.T. -0.01 min
Lab File: BG020990.D
Acq: 20 Feb 2016 2:48

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	86.8	64.4	104.4	
77	25.2	7.1	47.1	
79	21.9	1.9	41.9	





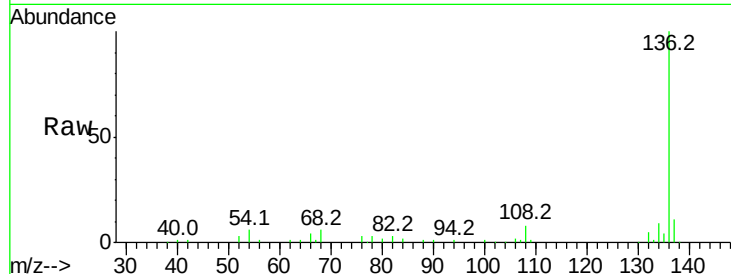
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.08 min Scan# 1404
Delta R.T. -0.01 min
Lab File: BG020990.D
Acq: 20 Feb 2016 2:48

Instrument :
BNA_G
ClientSampleId :
PB88447BS

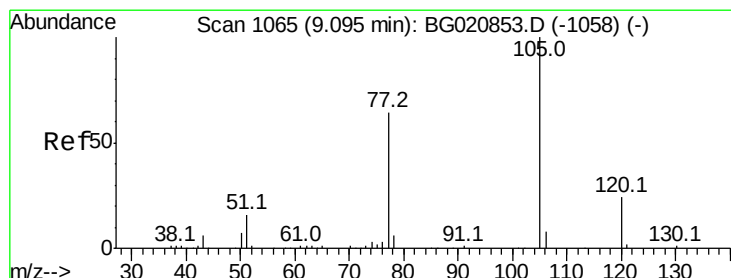
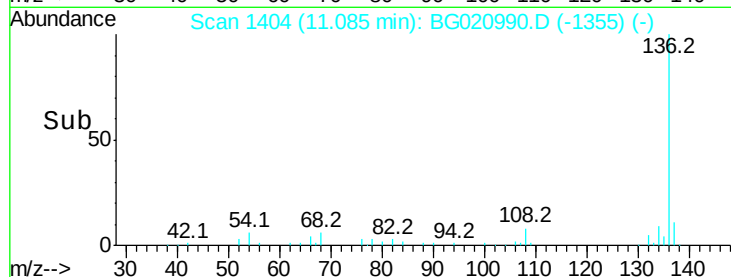
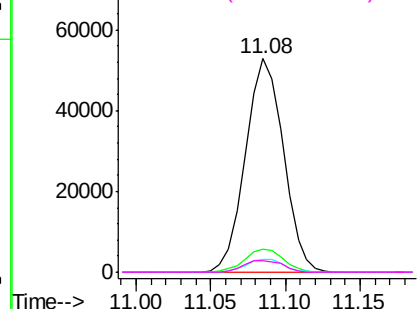
Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.6	8.8	13.2	
54	6.1	5.0	7.4	
68	5.6	5.2	7.8	

Manual Integrations
APPROVED

UMANGI
2/22/2016 10:55:40 AM



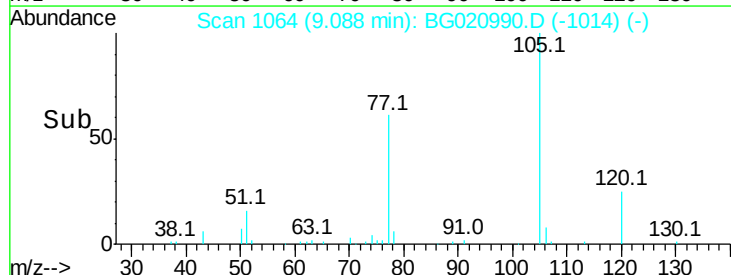
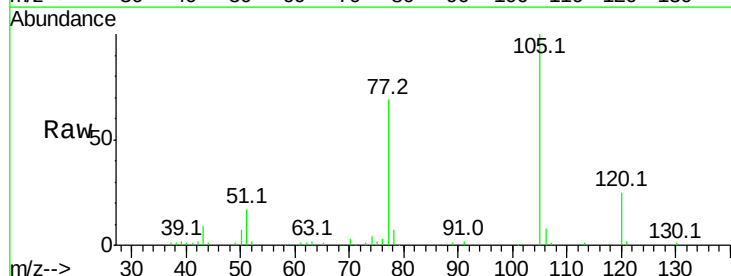
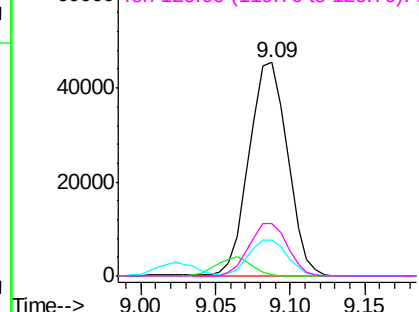
Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

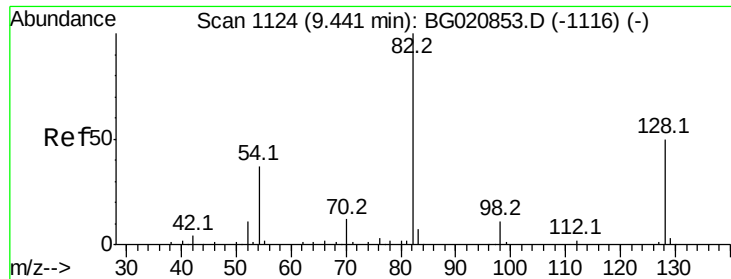


#22
Acetophenone
Concen: 36.36 ng
RT: 9.09 min Scan# 1064
Delta R.T. -0.01 min
Lab File: BG020990.D
Acq: 20 Feb 2016 2:48

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	0.3	1.4	2.0#	
51	16.9	13.7	20.5	
120	24.7	19.0	28.6	

Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BG
Ion 51.00 (50.70 to 51.70): BG
Ion 120.00 (119.70 to 120.70): E





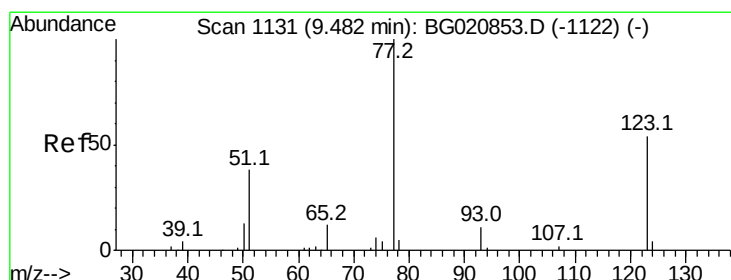
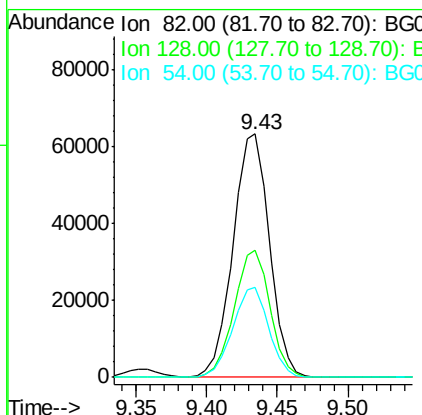
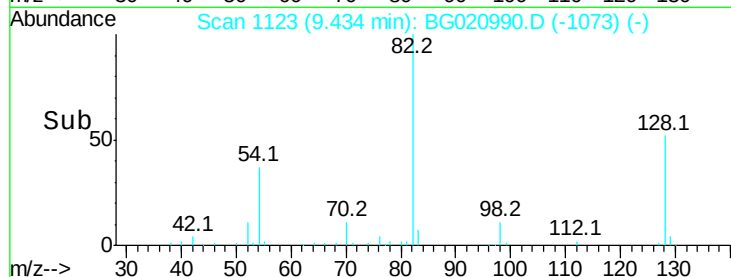
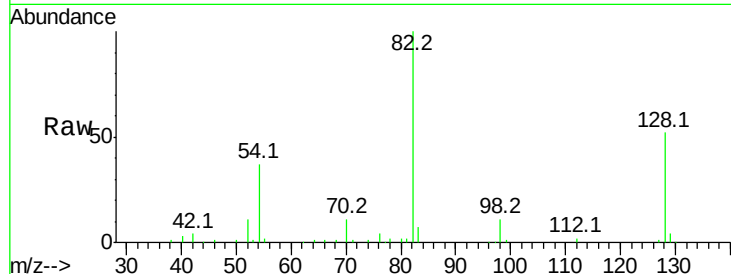
#23
Nitrobenzene-d5
Concen: 80.84 ng
RT: 9.43 min Scan# 1123
Delta R.T. -0.01 min
Lab File: BG020990.D
Acq: 20 Feb 2016 2:48

Instrument :
BNA_G
ClientSampleId :
PB88447BS

Tot Ion	Ratio	Resp Lower	Upper
82	100		
128	52.1	40.1	60.1
54	37.2	29.5	44.3

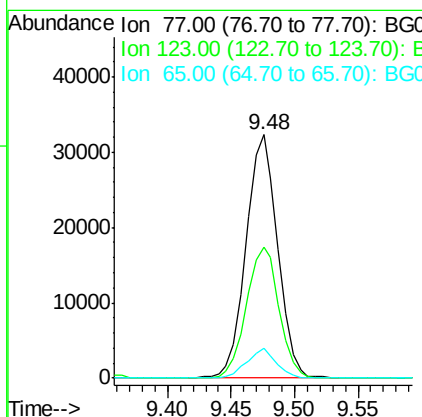
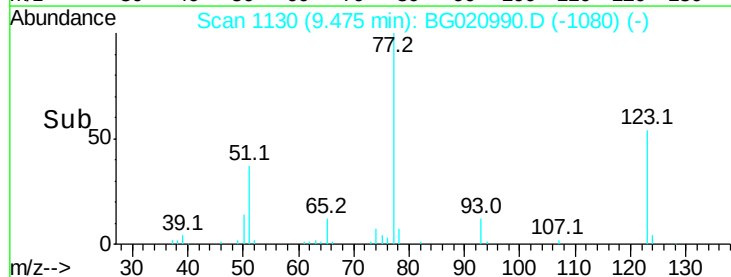
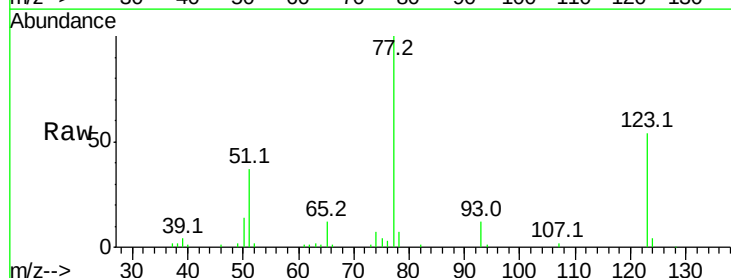
Manual Integrations
APPROVED

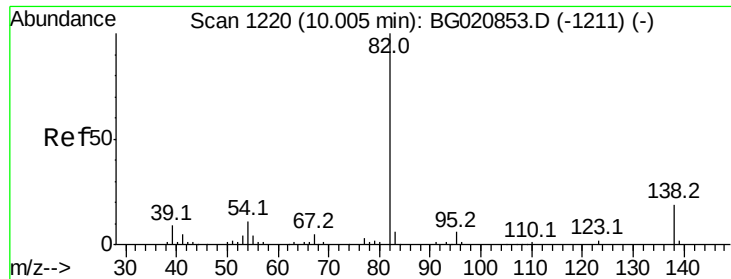
UMANGI
2/22/2016 10:55:40 AM



#24
Nitrobenzene
Concen: 37.96 ng
RT: 9.48 min Scan# 1130
Delta R.T. -0.01 min
Lab File: BG020990.D
Acq: 20 Feb 2016 2:48

Tgt Ion	Ratio	Resp Lower	Upper
77	100		
123	53.9	43.2	64.8
65	12.1	9.2	13.8





#25

Isophorone

Concen: 37.71 ng

RT: 10.00 min Scan# 1219

Delta R.T. -0.01 min

Lab File: BG020990.D

Acq: 20 Feb 2016 2:48

Instrument :

BNA_G

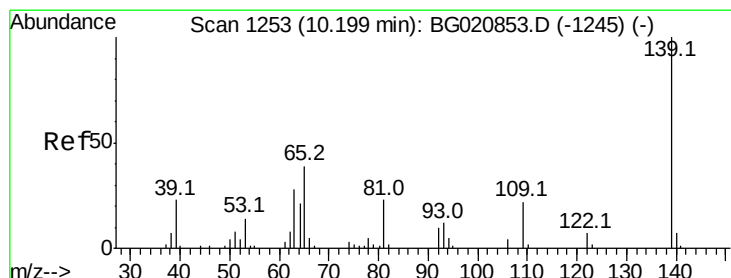
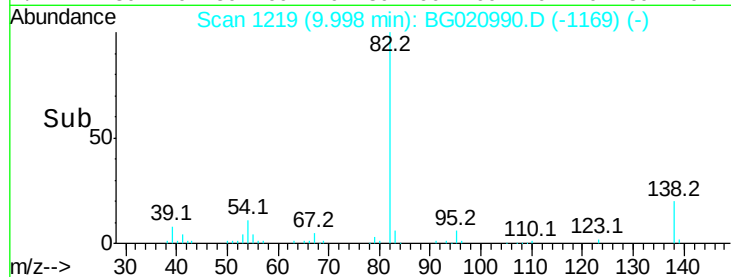
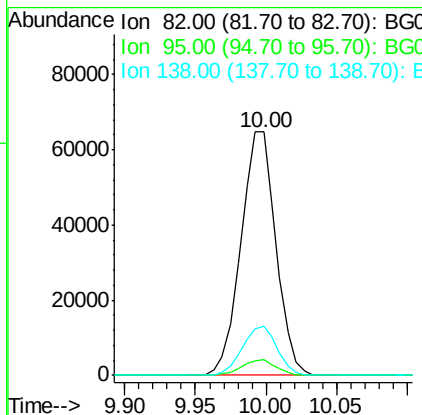
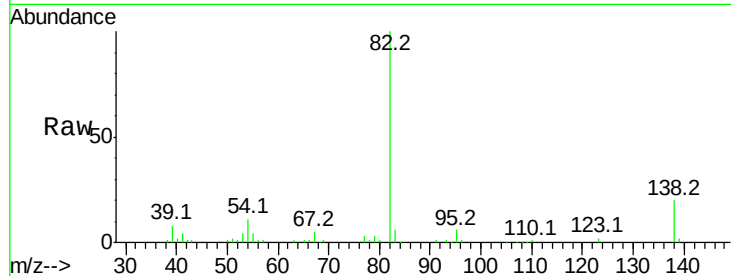
ClientSampleId :

PB88447BS

Tot Ion:	82	Resp:	112202
Ion Ratio	Lower	Upper	
82	100		
95	6.3	4.8	7.2
138	20.1	15.4	23.0

Manual Integrations
APPROVED

UMANGI
2/22/2016 10:55:40 AM



#26

2-Nitrophenol

Concen: 41.51 ng

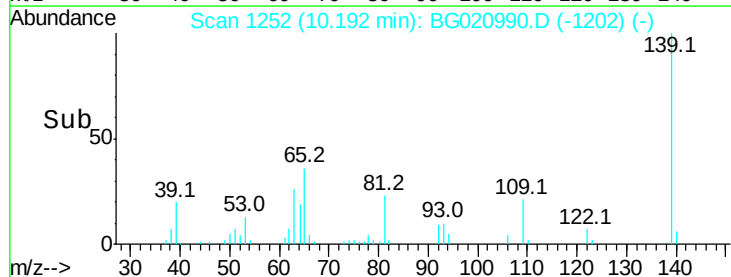
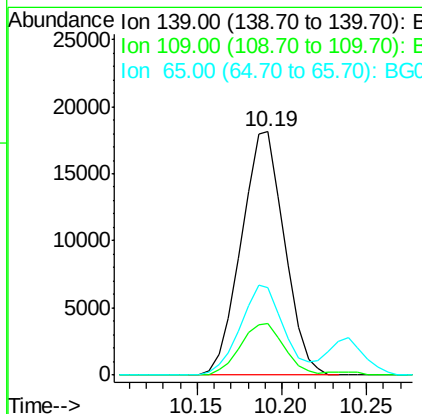
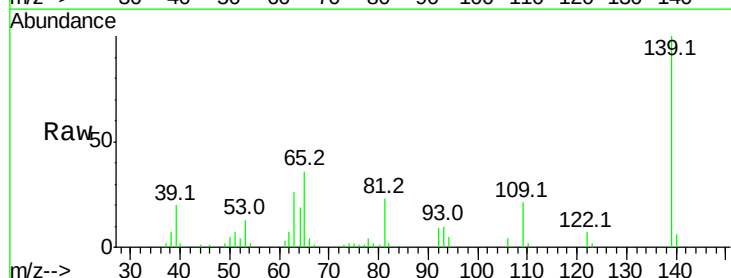
RT: 10.19 min Scan# 1252

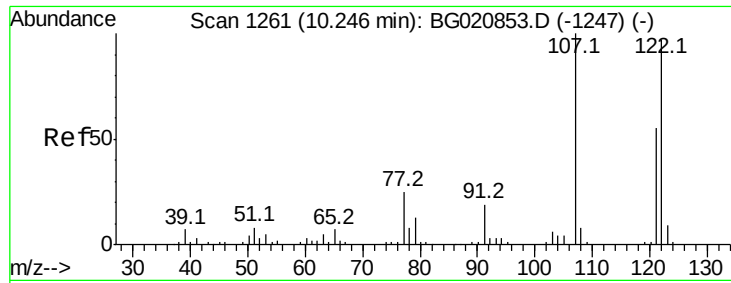
Delta R.T. -0.01 min

Lab File: BG020990.D

Acq: 20 Feb 2016 2:48

Tgt Ion:	139	Resp:	32142
Ion Ratio	Lower	Upper	
139	100		
109	21.3	17.6	26.4
65	36.1	31.0	46.6





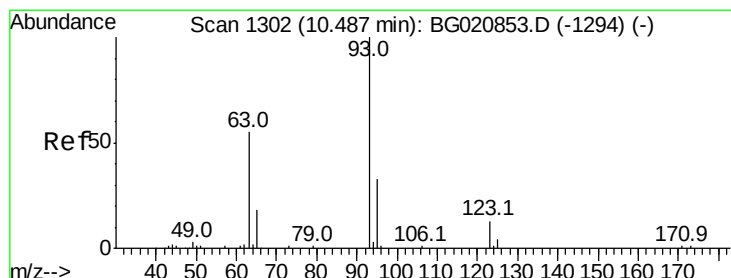
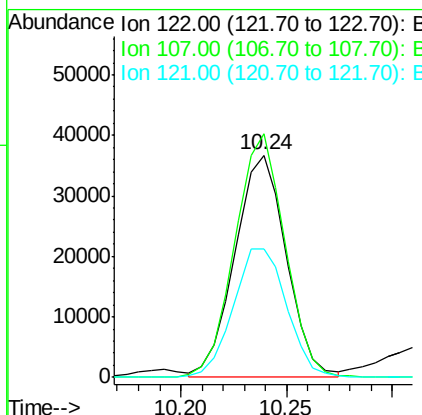
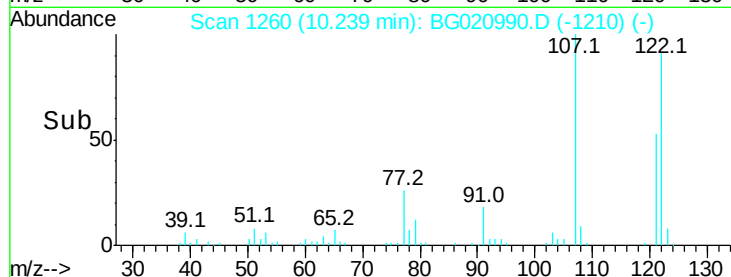
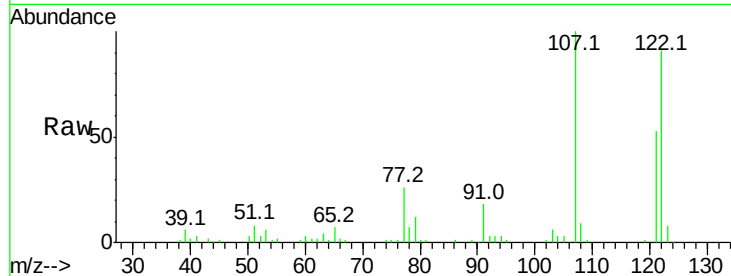
#27
 2,4-Dimethylphenol
 Concen: 41.60 ng
 RT: 10.24 min Scan# 1260
 Delta R.T. -0.01 min
 Lab File: BG020990.D
 Acq: 20 Feb 2016 2:48

Instrument :
 BNA_G
 ClientSampled :
 PB88447BS

Tot Ion	Ratio	Resp	Lower	Upper
122	100	61723		
107	109.7	82.6	124.0	
121	58.2	45.6	68.4	

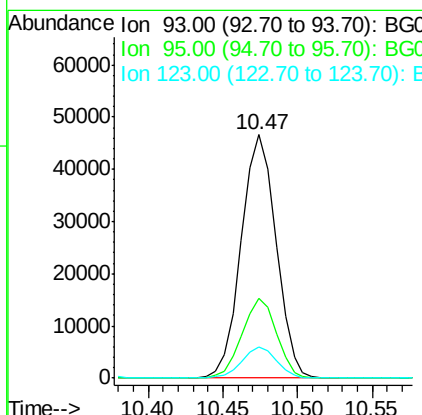
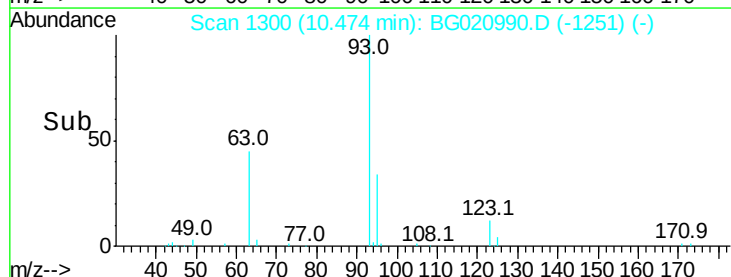
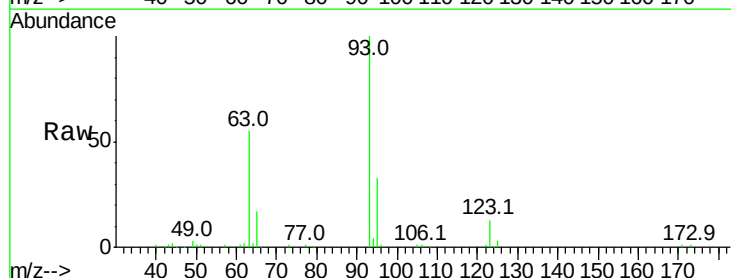
Manual Integrations
 APPROVED

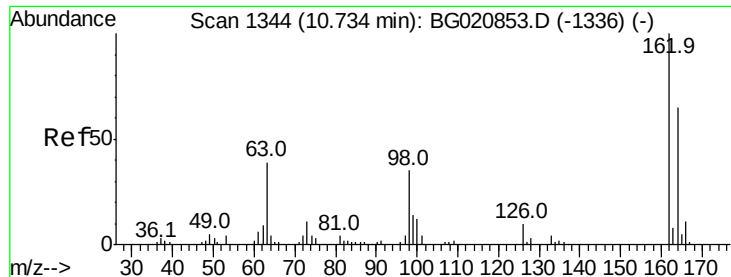
UMANGI
 2/22/2016 10:55:40 AM



#28
 bis(2-Chloroethoxy)methane
 Concen: 41.15 ng
 RT: 10.47 min Scan# 1300
 Delta R.T. -0.01 min
 Lab File: BG020990.D
 Acq: 20 Feb 2016 2:48

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	75440		
95	32.9	26.2	39.2	
123	12.6	10.0	15.0	





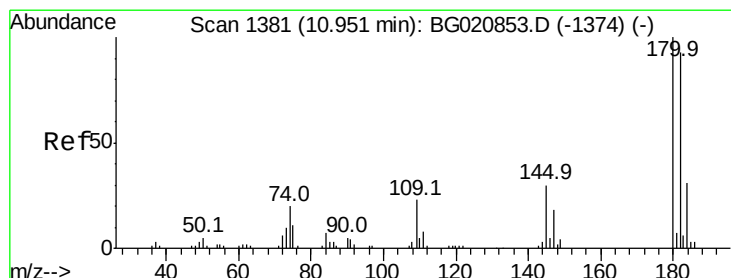
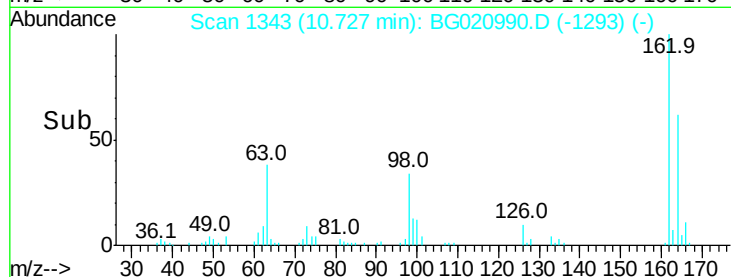
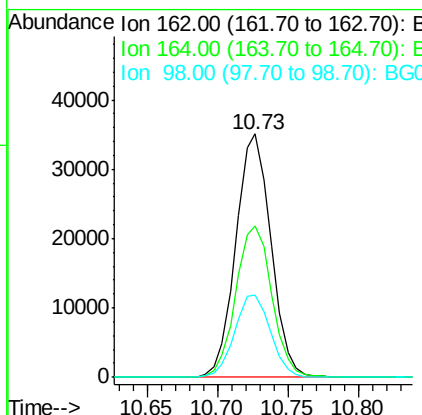
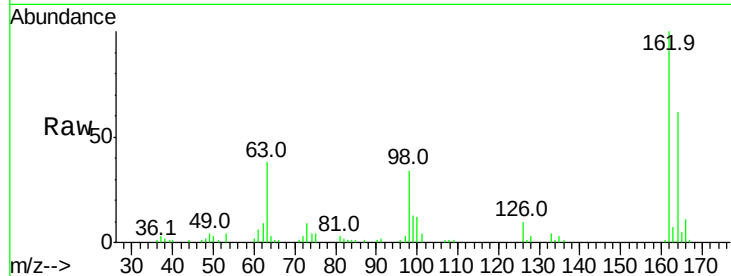
#29
 2,4-Dichlorophenol
 Concen: 45.93 ng
 RT: 10.73 min Scan# 1343
 Delta R.T. -0.01 min
 Lab File: BG020990.D
 Acq: 20 Feb 2016 2:48

Instrument :
 BNA_G
 ClientSampleId :
 PB88447BS

Tot Ion	Ratio	Resp	Lower	Upper
162	100	61085		
164	62.1	44.5	84.5	
98	34.0	14.9	54.9	

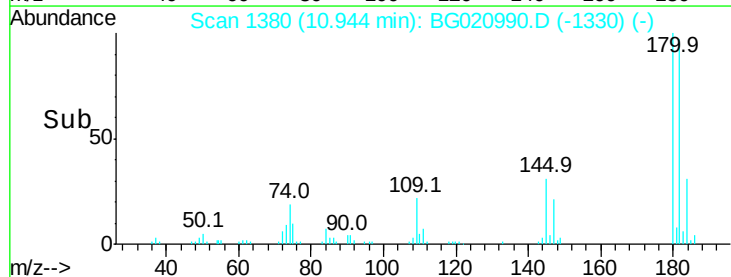
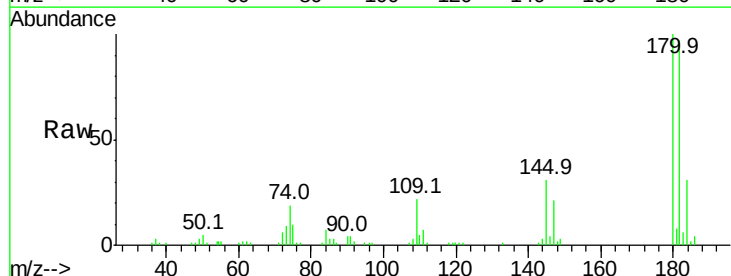
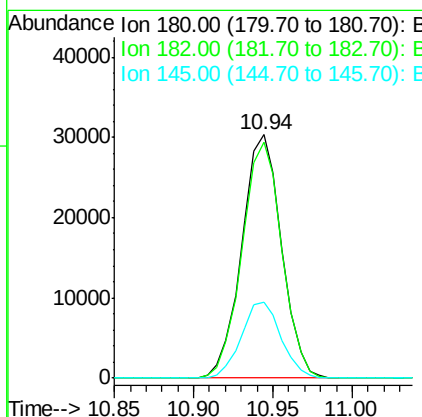
Manual Integrations
 APPROVED

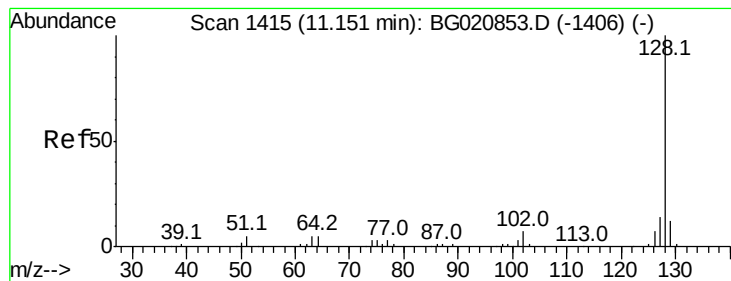
UMANGI
 2/22/2016 10:55:40 AM



#30
 1,2,4-Trichlorobenzene
 Concen: 39.34 ng
 RT: 10.94 min Scan# 1380
 Delta R.T. -0.01 min
 Lab File: BG020990.D
 Acq: 20 Feb 2016 2:48

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	52708		
182	97.0	74.1	111.1	
145	30.9	24.1	36.1	





#31

Naphthalene

Concen: 39.82 ng

RT: 11.14 min Scan# 1413

Delta R.T. -0.01 min

Lab File: BG020990.D

Acq: 20 Feb 2016 2:48

Instrument :

BNA_G

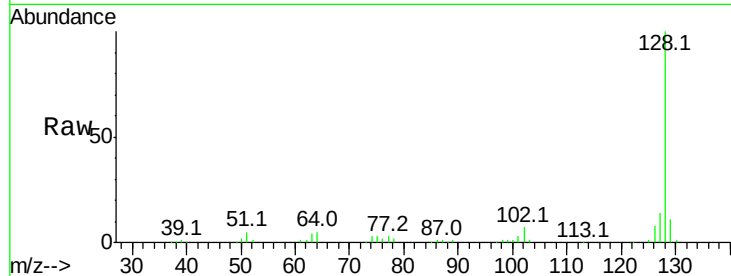
ClientSampleId :

PB88447BS

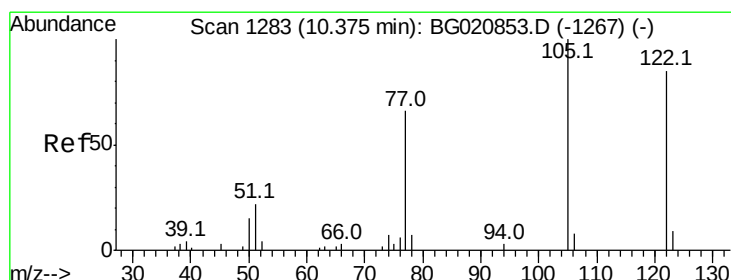
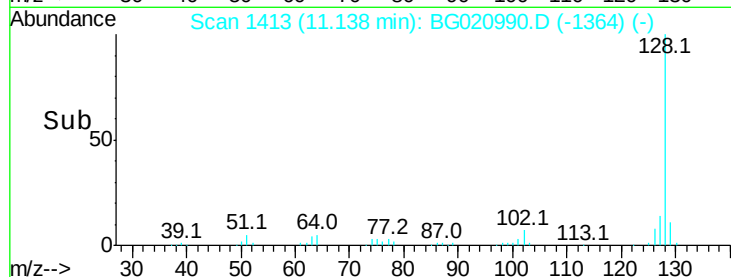
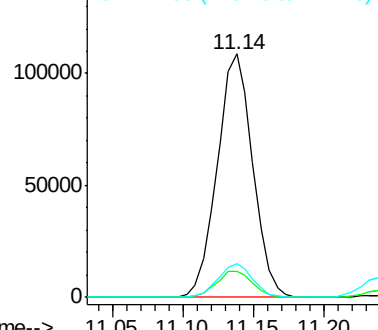
Tot Ion:	128	Resp:	191196
Ion Ratio	Lower	Upper	
128	100		
129	10.9	9.3	13.9
127	13.8	11.4	17.2

Manual Integrations
APPROVED

UMANGI
2/22/2016 10:55:40 AM



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



#32

Benzoic acid

Concen: 36.46 ng

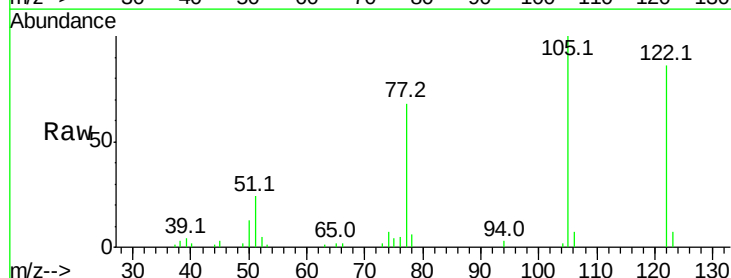
RT: 10.36 min Scan# 1280

Delta R.T. -0.02 min

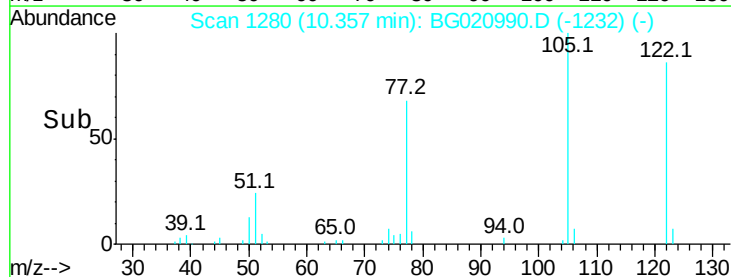
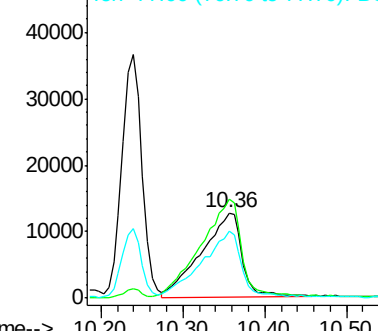
Lab File: BG020990.D

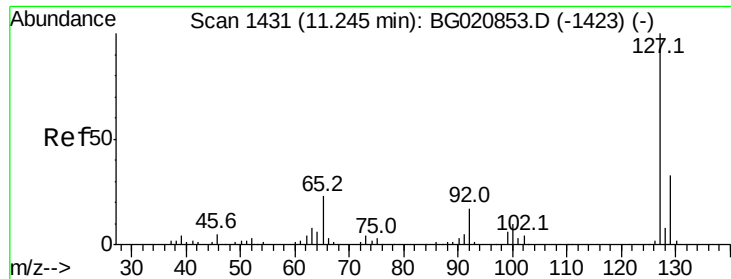
Acq: 20 Feb 2016 2:48

Tgt Ion:	122	Resp:	43393
Ion Ratio	Lower	Upper	
122	100		
105	116.7	94.0	134.0
77	79.1	56.8	96.8



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BG





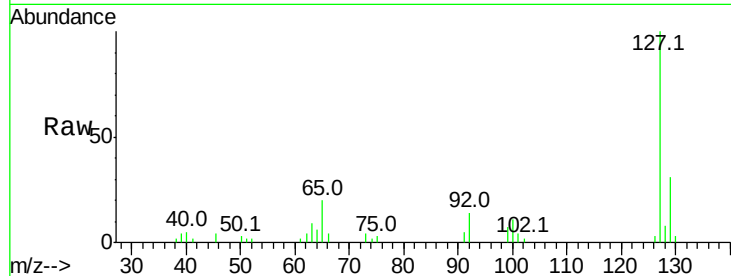
#33
 4-Chloroaniline
 Concen: 8.34 ng
 RT: 11.24 min Scan# 1430
 Delta R.T. -0.01 min
 Lab File: BG020990.D
 Acq: 20 Feb 2016 2:48

Instrument :
 BNA_G
 ClientSampled :
 PB88447BS

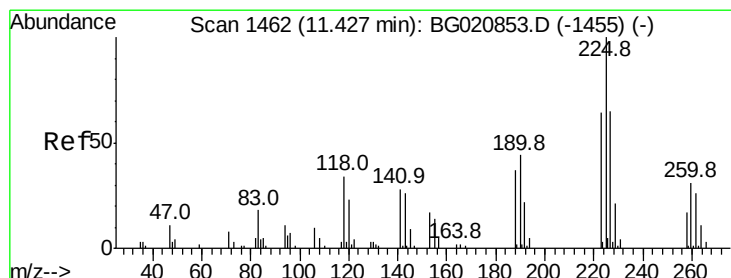
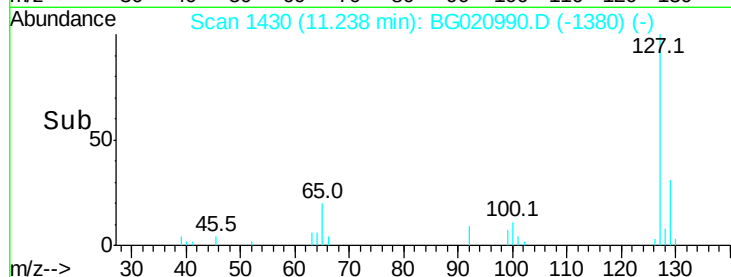
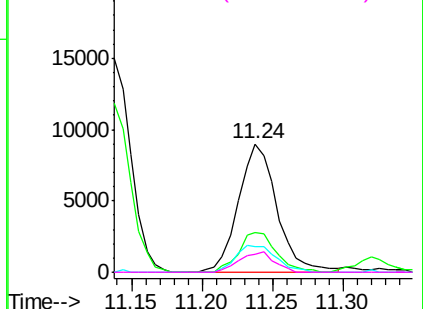
Tot Ion	Ratio	Lower	Upper
127	100		
129	31.1	26.2	39.4
65	20.3	18.6	27.8
92	14.4	13.3	19.9

Manual Integrations
 APPROVED

UMANGI
 2/22/2016 10:55:40 AM

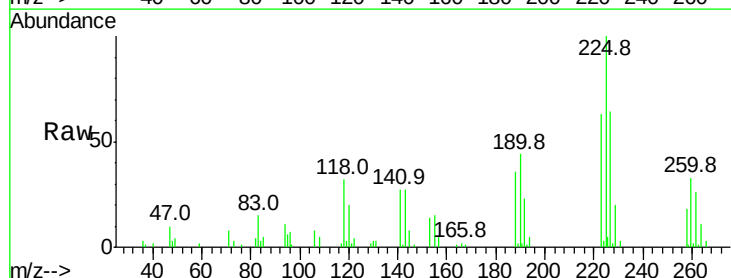


Abundance Ion 127.00 (126.70 to 127.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 65.00 (64.70 to 65.70): BG
 Ion 92.00 (91.70 to 92.70): BG

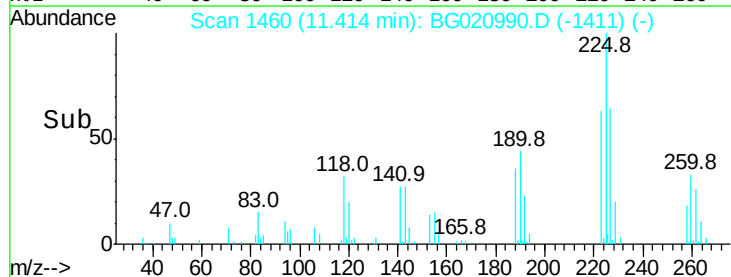
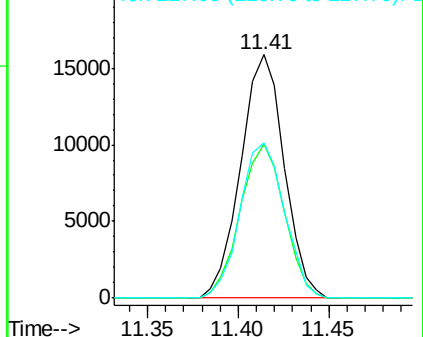


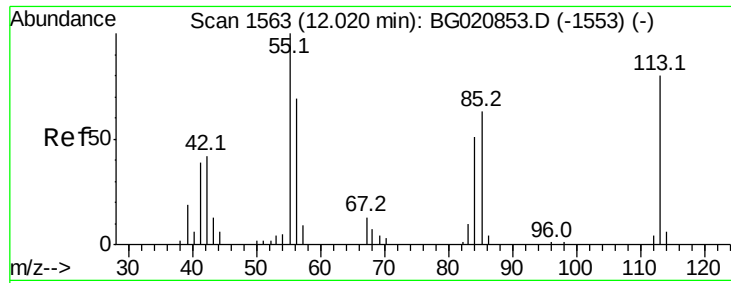
#34
 Hexachlorobutadiene
 Concen: 38.74 ng
 RT: 11.41 min Scan# 1460
 Delta R.T. -0.01 min
 Lab File: BG020990.D
 Acq: 20 Feb 2016 2:48

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	51.0	76.6
227	64.0	51.7	77.5



Abundance Ion 225.00 (224.70 to 225.70): E
 Ion 223.00 (222.70 to 223.70): E
 Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 48.73 ng/ml

RT: 12.00 min Scan# 1560

Delta R.T. -0.02 min

Lab File: BG020990.D

Acq: 20 Feb 2016 2:48

Instrument :

BNA_G

ClientSampleId :

PB88447BS

Tot Ion:113 Resp: 24830

Ion Ratio Lower Upper

113 100

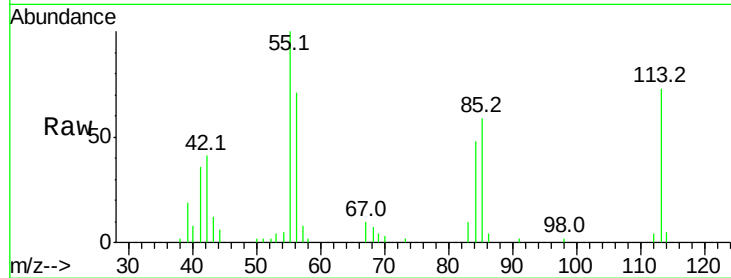
55 136.1 104.4 144.4

56 96.4 65.4 105.4

Manual Integrations
APPROVED

UMANGI

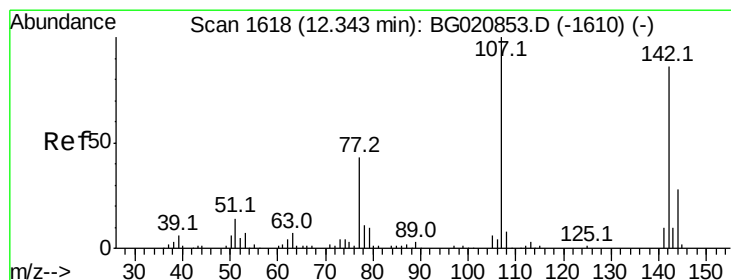
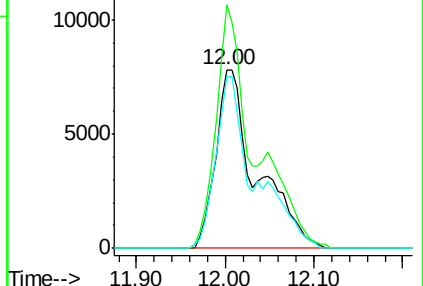
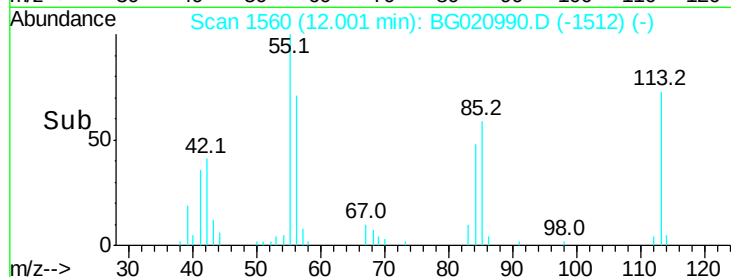
2/22/2016 10:55:40 AM



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG

Ion 56.00 (55.70 to 56.70): BG



#36

4-Chloro-3-methylphenol

Concen: 46.34 ng/ml

RT: 12.34 min Scan# 1618

Delta R.T. -0.00 min

Lab File: BG020990.D

Acq: 20 Feb 2016 2:48

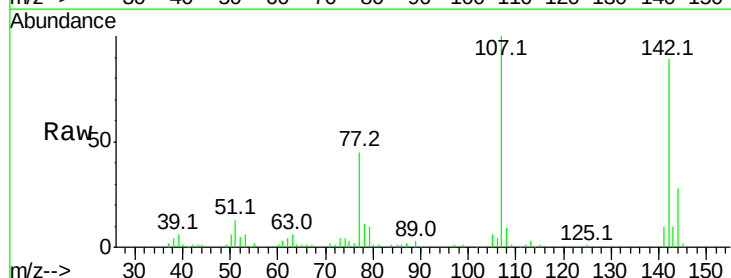
Tgt Ion:107 Resp: 70614

Ion Ratio Lower Upper

107 100

144 28.0 22.4 33.6

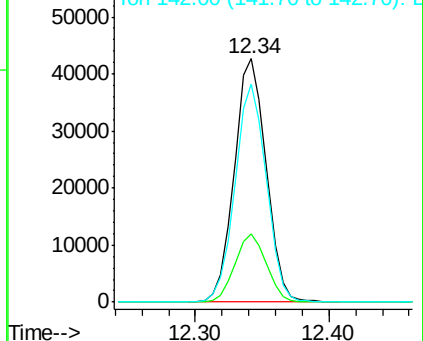
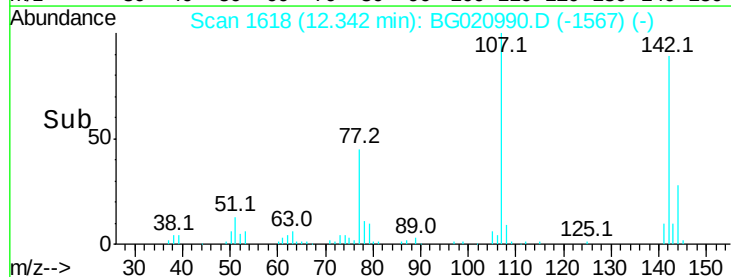
142 89.3 68.6 103.0

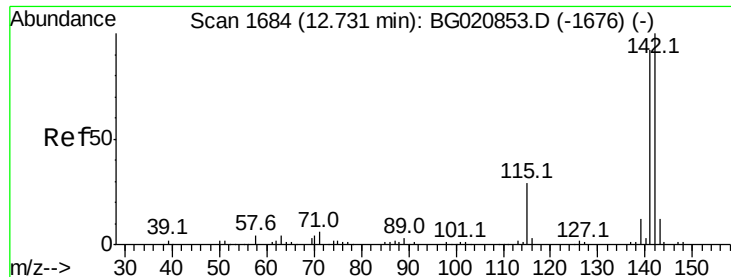


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 44.02 ng

RT: 12.72 min Scan# 1683

Delta R.T. -0.01 min

Lab File: BG020990.D

Acq: 20 Feb 2016 2:48

Instrument :

BNA_G

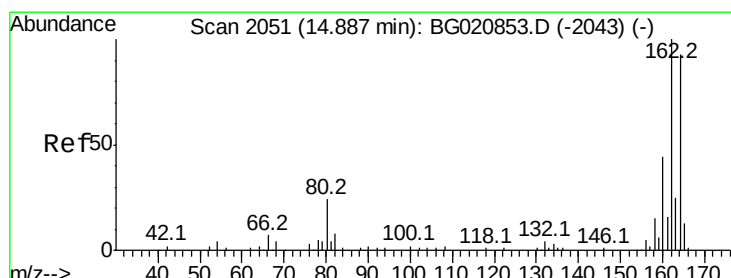
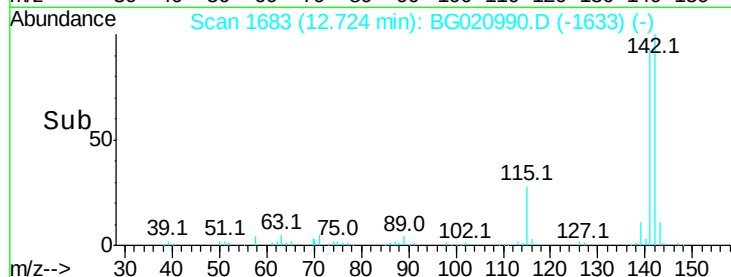
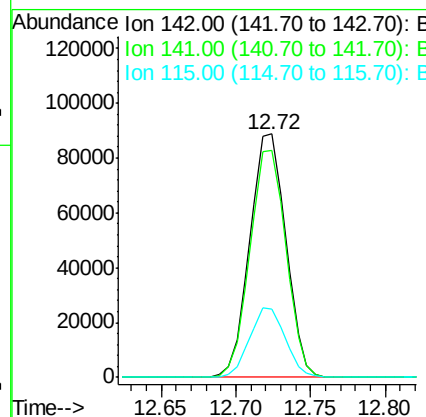
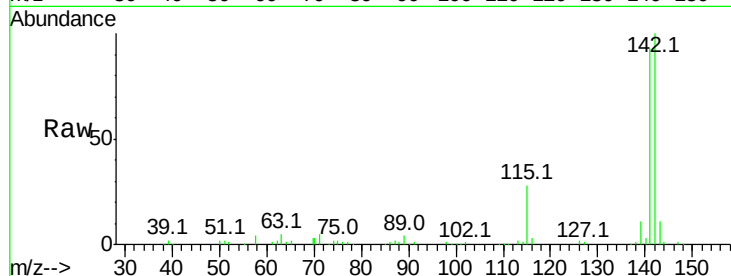
ClientSampleId :

PB88447BS

Tot Ion:	142	Resp:	148283
Ion Ratio	Lower	Upper	
142	100		
141	93.2	73.4	110.2
115	28.2	23.0	34.6

Manual Integrations
APPROVED

UMANGI
2/22/2016 10:55:40 AM



#38

Acenaphthene-d10

Concen: 20.00 ng

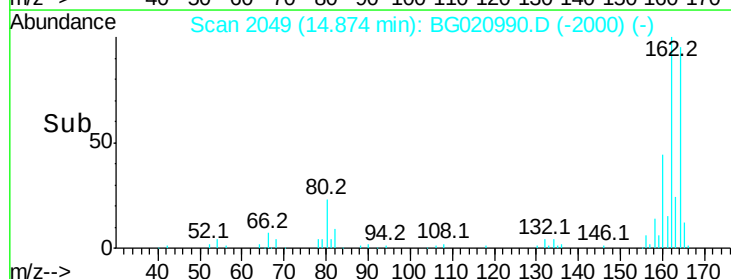
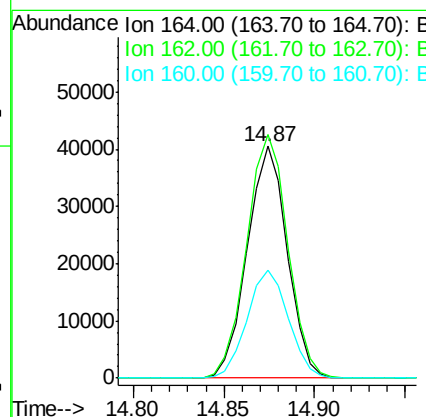
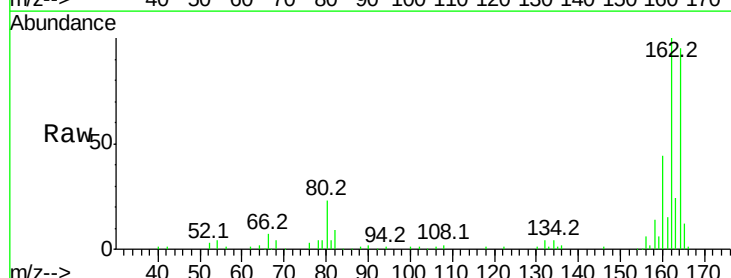
RT: 14.87 min Scan# 2049

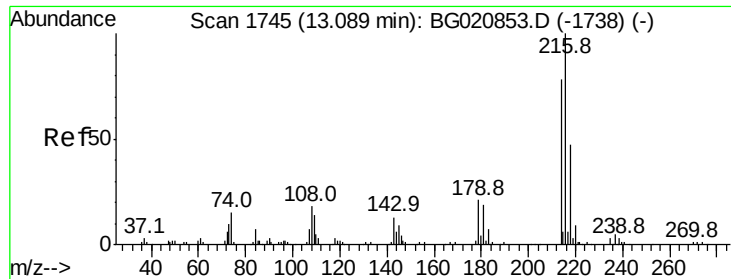
Delta R.T. -0.01 min

Lab File: BG020990.D

Acq: 20 Feb 2016 2:48

Tgt Ion:	164	Resp:	61930
Ion Ratio	Lower	Upper	
164	100		
162	105.0	85.7	128.5
160	46.4	37.4	56.0





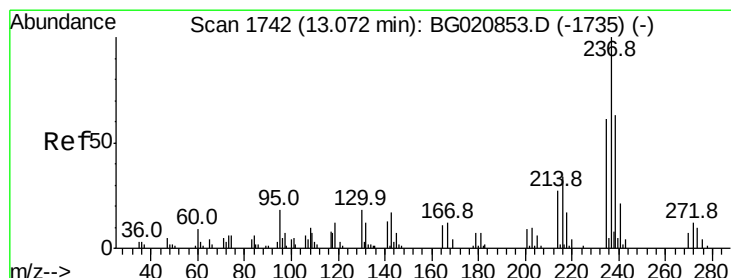
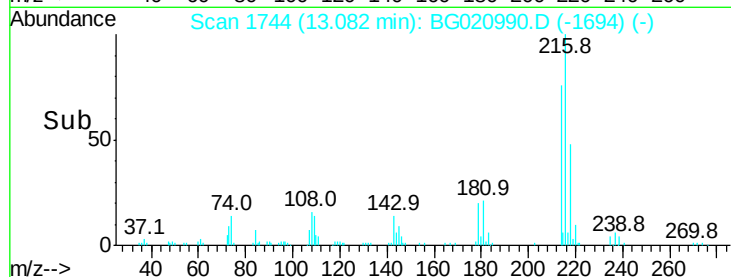
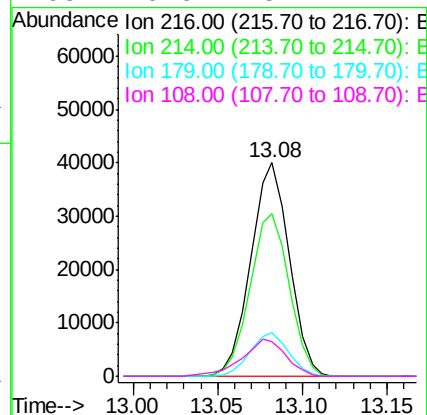
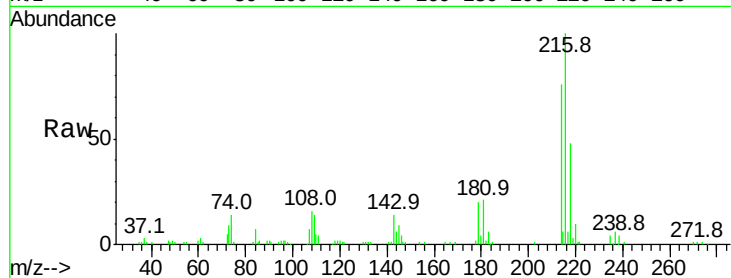
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 34.74 ng
 RT: 13.08 min Scan# 1744
 Delta R.T. -0.01 min
 Lab File: BG020990.D
 Acq: 20 Feb 2016 2:48

Instrument :
 BNA_G
 ClientSampleId :
 PB88447BS

Tot Ion	Ratio	Resp	Lower	Upper
216	100	63109		
214	78.0	61.9	92.9	
179	20.4	16.5	24.7	
108	19.6	15.1	22.7	

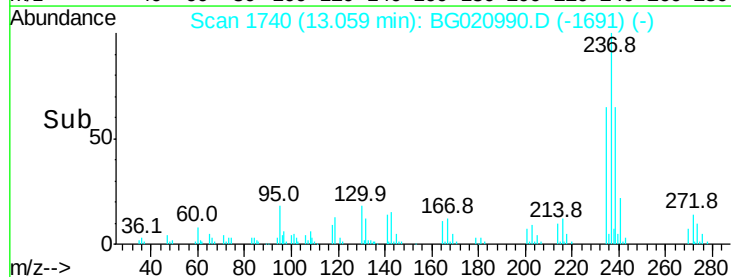
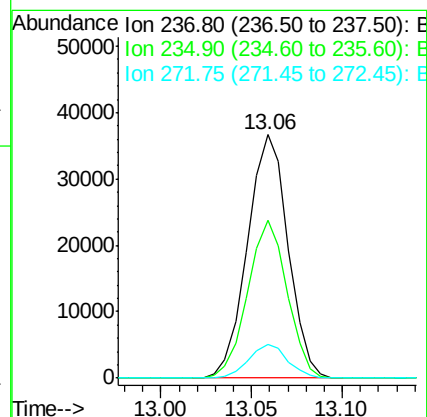
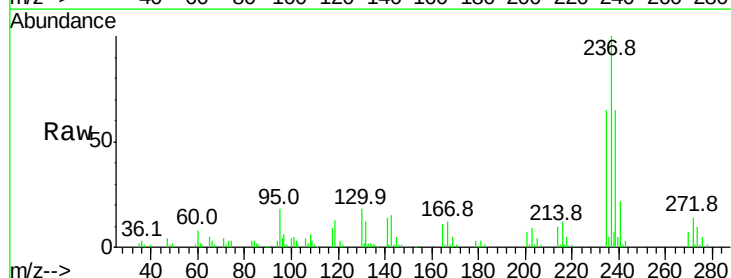
Manual Integrations
 APPROVED

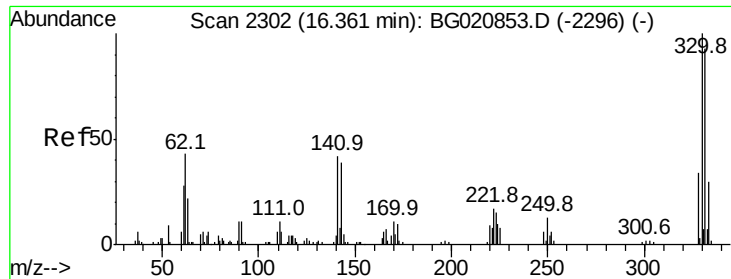
UMANGI
 2/22/2016 10:55:40 AM



#40
 Hexachlorocyclopentadiene
 Concen: 71.26 ng
 RT: 13.06 min Scan# 1740
 Delta R.T. -0.01 min
 Lab File: BG020990.D
 Acq: 20 Feb 2016 2:48

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	56956		
235	65.0	40.8	80.8	
272	14.0	0.0	32.3	





#41

2,4,6-Tribromophenol

Concen: 143.81 ng

RT: 16.35 min Scan# 2301

Delta R.T. -0.01 min

Lab File: BG020990.D

Acq: 20 Feb 2016 2:48

Instrument :

BNA_G

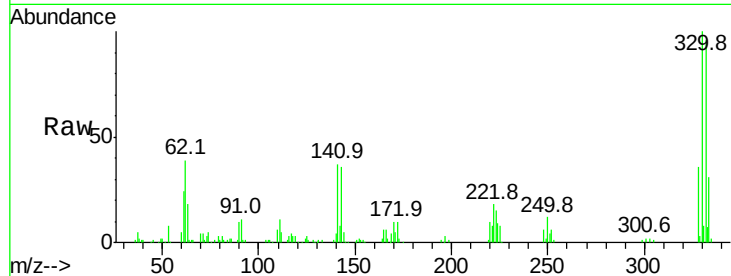
ClientSampleId :

PB88447BS

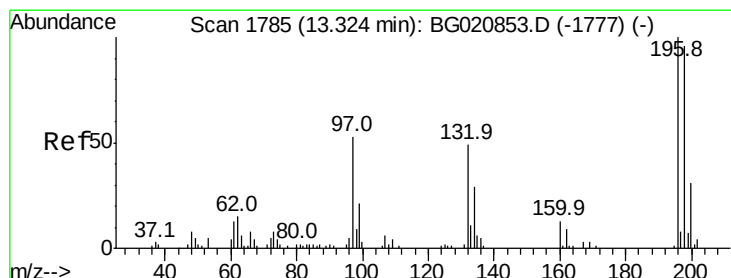
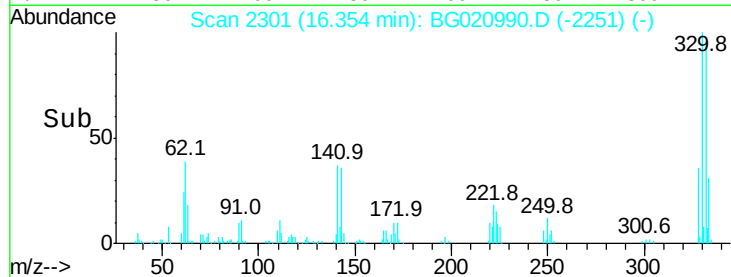
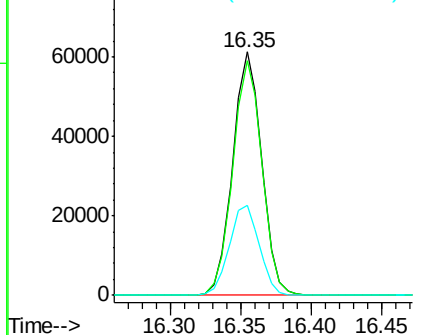
Tot Ion:	330	Resp:	87581
Ion Ratio	Lower	Upper	
330	100		
332	97.1	76.1	114.1
141	38.4	32.0	48.0

Manual Integrations
APPROVED

UMANGI
2/22/2016 10:55:40 AM



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#42

2,4,6-Trichlorophenol

Concen: 41.28 ng

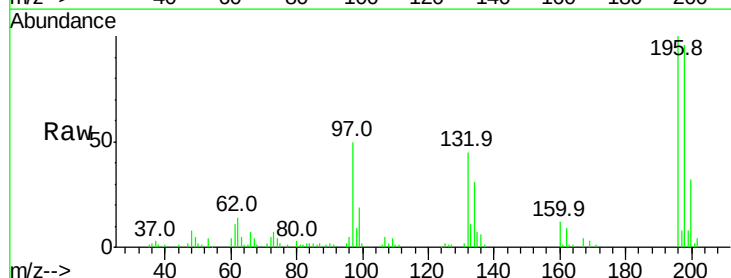
RT: 13.32 min Scan# 1784

Delta R.T. -0.01 min

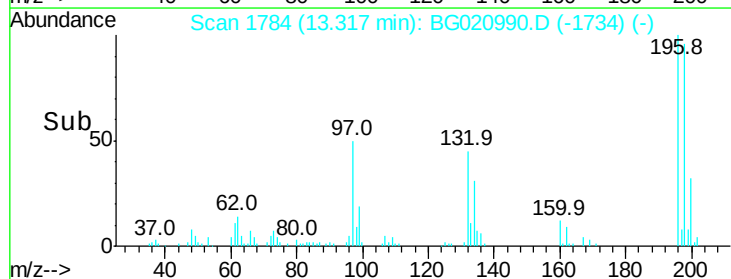
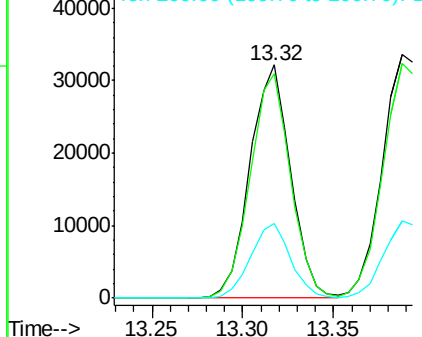
Lab File: BG020990.D

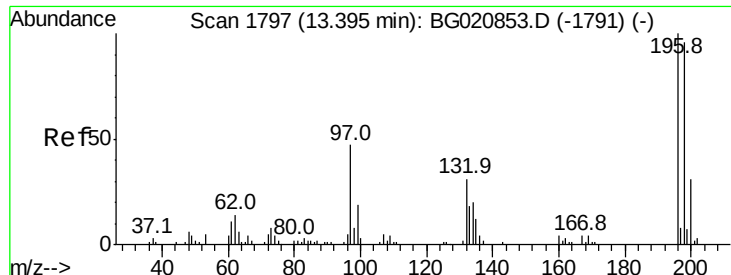
Acq: 20 Feb 2016 2:48

Tgt Ion:	196	Resp:	50376
Ion Ratio	Lower	Upper	
196	100		
198	96.2	77.1	115.7
200	32.2	24.7	37.1



Abundance Ion 196.00 (195.70 to 196.70): E
Ion 198.00 (197.70 to 198.70): E
Ion 200.00 (199.70 to 200.70): E





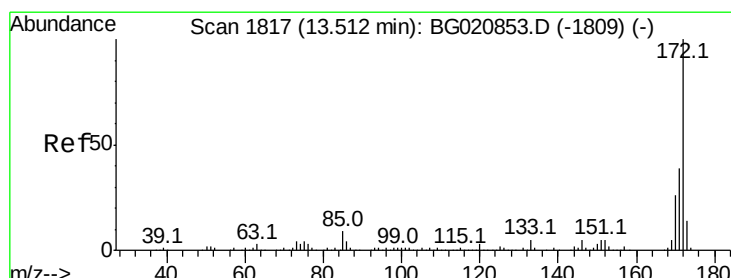
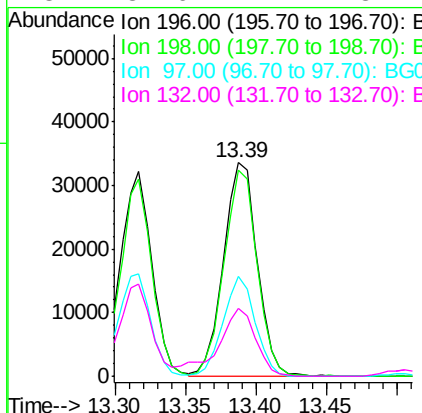
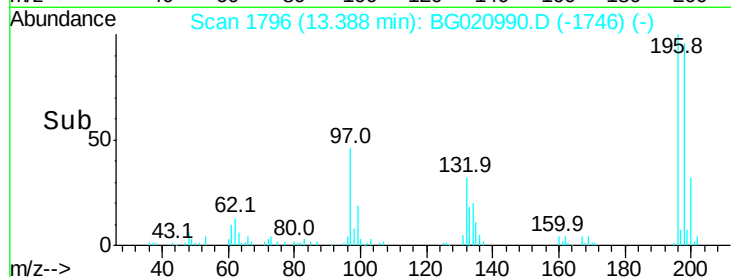
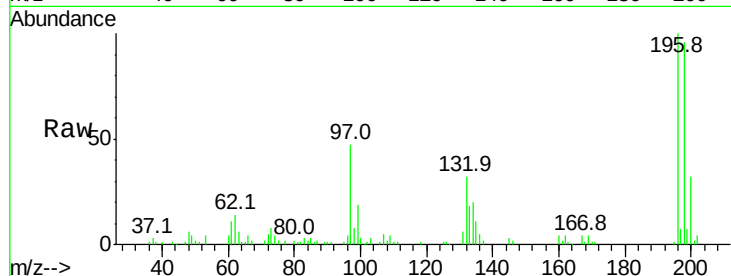
#43
 2,4,5-Trichlorophenol
 Concen: 43.51 ng
 RT: 13.39 min Scan# 1796
 Delta R.T. -0.01 min
 Lab File: BG020990.D
 Acq: 20 Feb 2016 2:48

Instrument :
 BNA_G
 ClientSampleId :
 PB88447BS

Tot Ion	196	Resp	55829
Ion Ratio	Lower	Upper	
196	100		
198	96.5	76.4	114.6
97	46.9	37.4	56.0
132	31.6	24.7	37.1

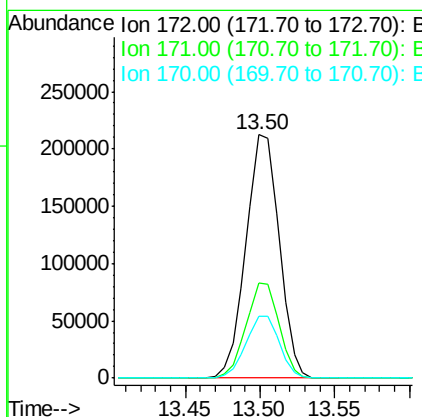
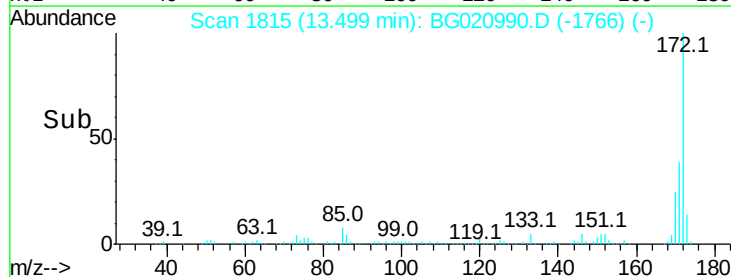
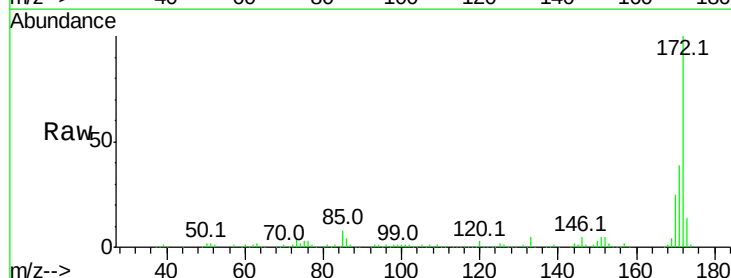
Manual Integrations
 APPROVED

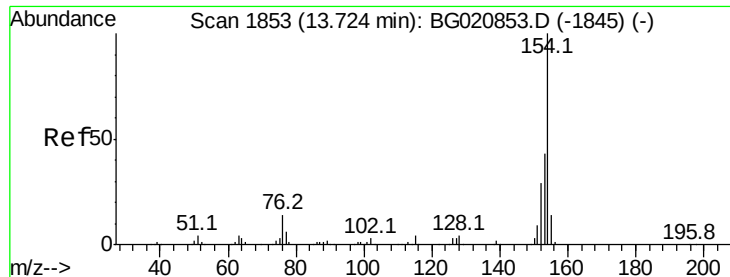
UMANGI
 2/22/2016 10:55:40 AM



#44
 2-Fluorobiphenyl
 Concen: 74.18 ng
 RT: 13.50 min Scan# 1815
 Delta R.T. -0.01 min
 Lab File: BG020990.D
 Acq: 20 Feb 2016 2:48

Tgt Ion	172	Resp	327053
Ion Ratio	Lower	Upper	
172	100		
171	39.0	31.2	46.8
170	25.4	20.6	30.8





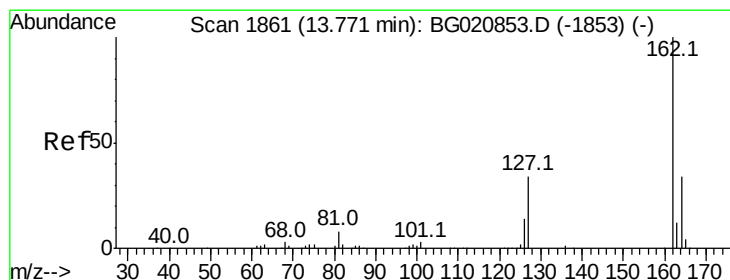
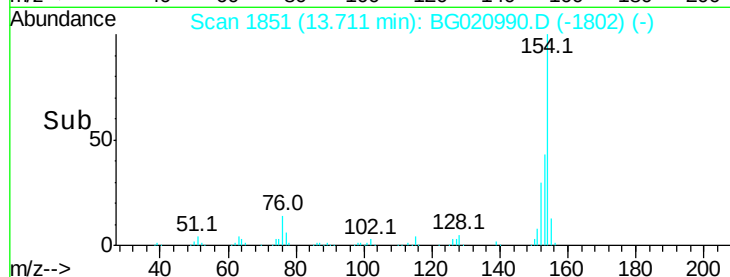
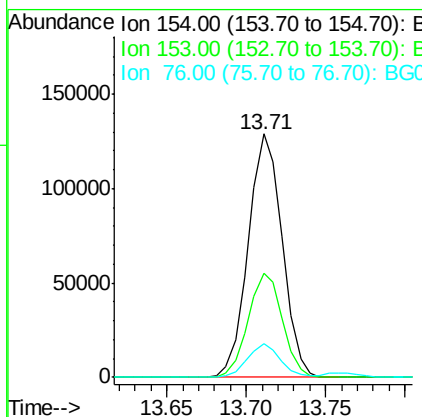
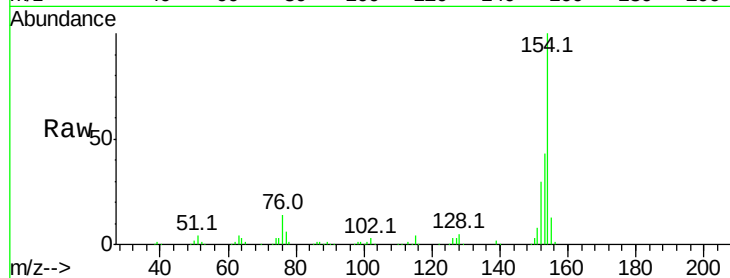
#45
 1,1'-Biphenyl
 Concen: 35.08 ng
 RT: 13.71 min Scan# 1851
 Delta R.T. -0.01 min
 Lab File: BG020990.D
 Acq: 20 Feb 2016 2:48

Instrument :
 BNA_G
 ClientSampleId :
 PB88447BS

Tot Ion	Ratio	Resp Lower	Resp Upper
154	100		
153	42.7	22.5	62.5
76	13.7	0.0	33.8

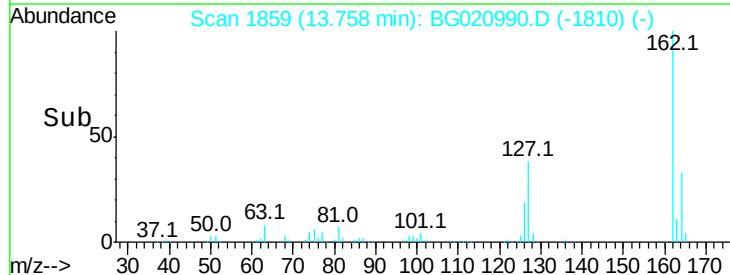
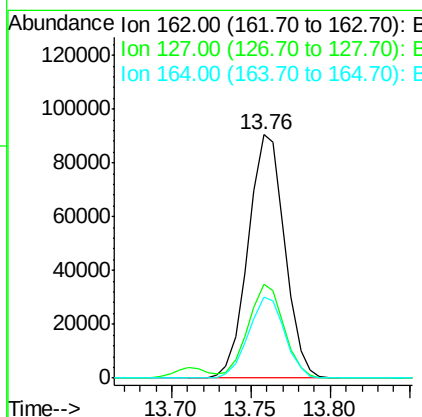
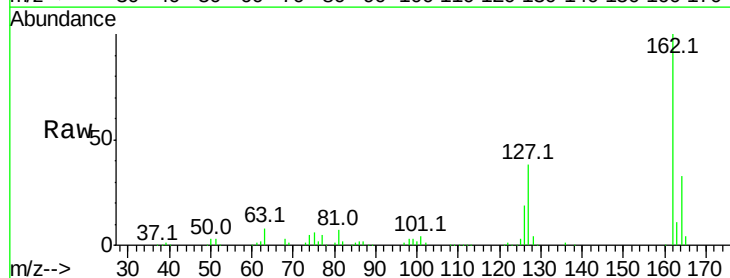
Manual Integrations
 APPROVED

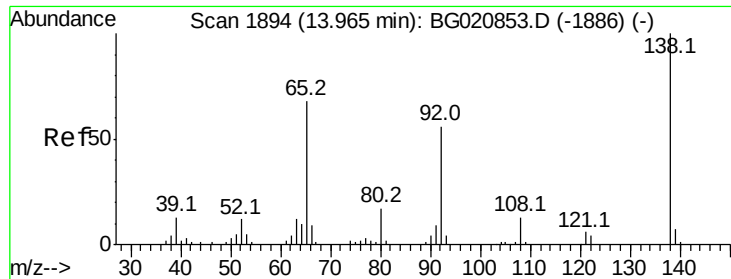
UMANGI
 2/22/2016 10:55:40 AM



#46
 2-Chloronaphthalene
 Concen: 37.03 ng
 RT: 13.76 min Scan# 1859
 Delta R.T. -0.01 min
 Lab File: BG020990.D
 Acq: 20 Feb 2016 2:48

Tgt Ion	Ratio	Resp Lower	Resp Upper
162	100		
127	38.5	30.6	45.8
164	33.3	26.8	40.2





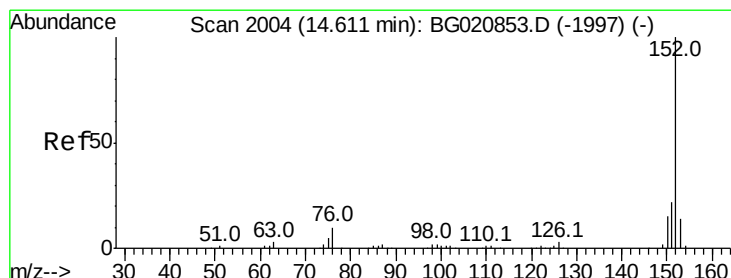
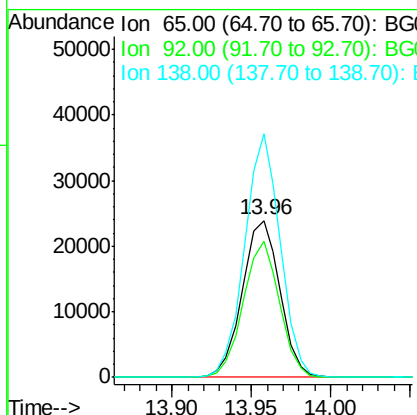
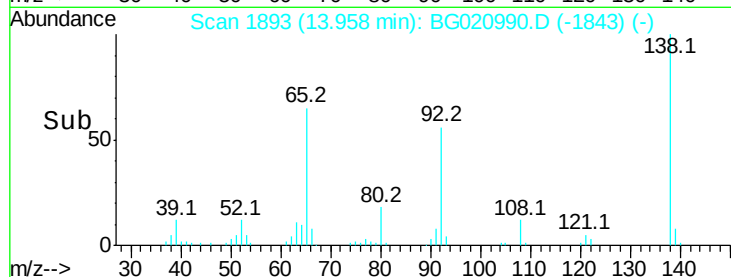
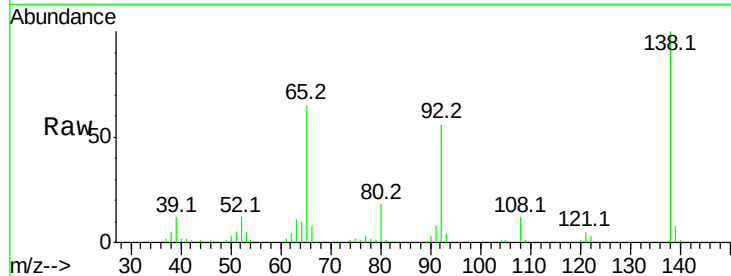
#47
 2-Nitroaniline
 Concen: 42.09 ng
 RT: 13.96 min Scan# 1893
 Delta R.T. -0.01 min
 Lab File: BG020990.D
 Acq: 20 Feb 2016 2:48

Instrument :
 BNA_G
 ClientSampleId :
 PB88447BS

Tot Ion:	65	Resp:	39423
Ion Ratio	Lower	Upper	
65	100		
92	86.2	65.8	98.8
138	154.9	117.1	175.7

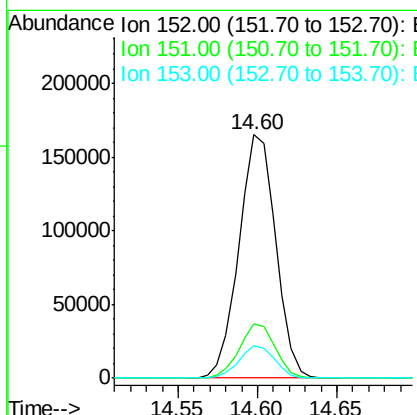
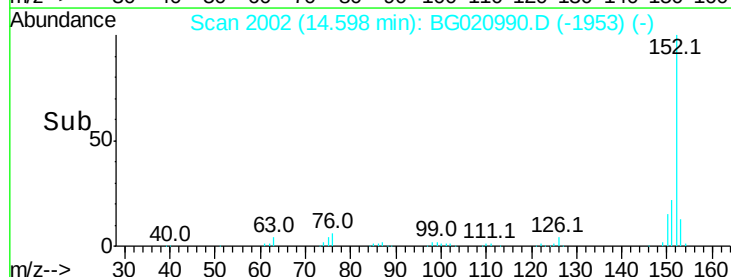
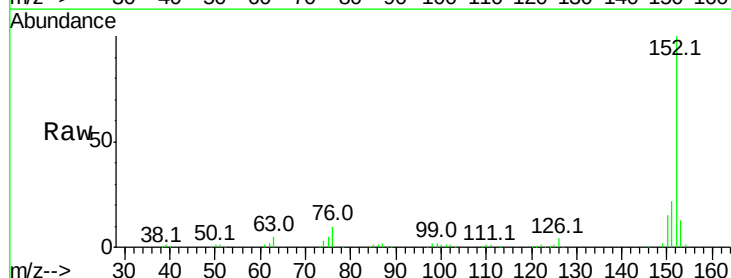
Manual Integrations
 APPROVED

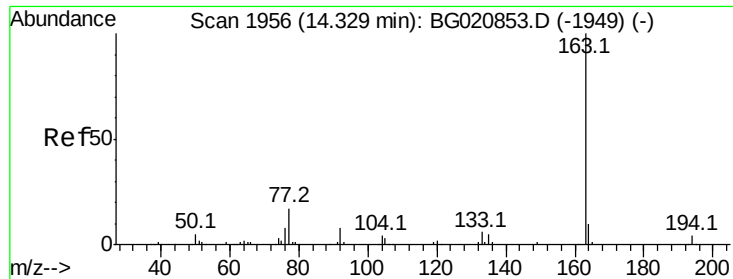
UMANGI
 2/22/2016 10:55:40 AM



#48
 Acenaphthylene
 Concen: 39.03 ng
 RT: 14.60 min Scan# 2002
 Delta R.T. -0.01 min
 Lab File: BG020990.D
 Acq: 20 Feb 2016 2:48

Tgt Ion:	152	Resp:	265428
Ion Ratio	Lower	Upper	
152	100		
151	22.2	17.5	26.3
153	13.3	10.9	16.3





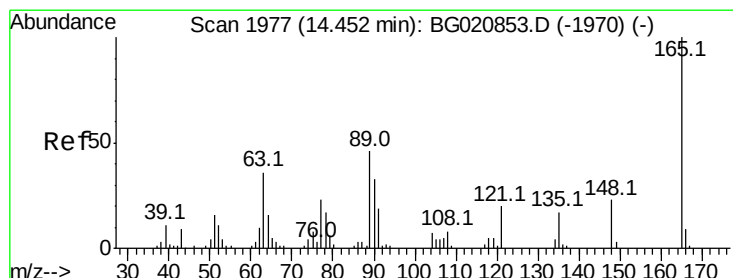
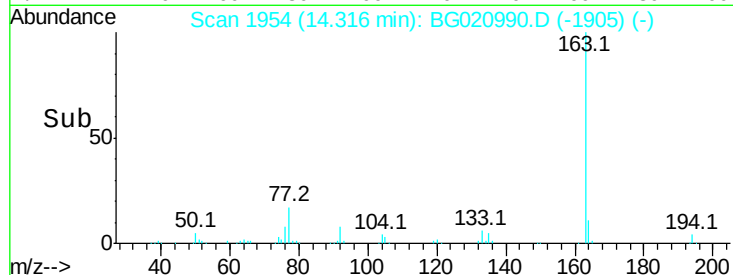
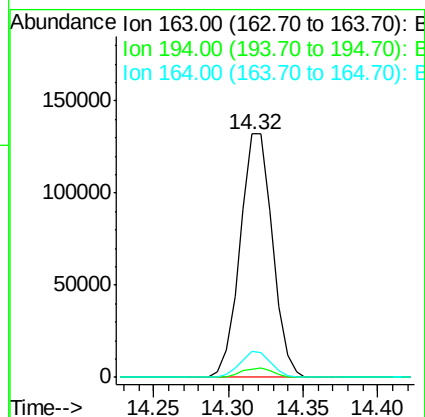
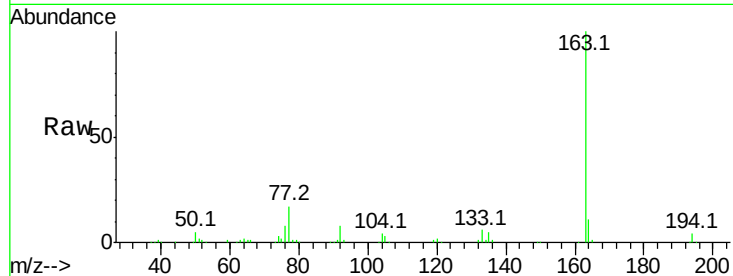
#49
Dimethylphthalate
Concen: 40.93 ng
RT: 14.32 min Scan# 1954
Delta R.T. -0.01 min
Lab File: BG020990.D
Acq: 20 Feb 2016 2:48

Instrument :
BNA_G
ClientSampleId :
PB88447BS

Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	3.6	3.1	4.7
164	10.7	8.3	12.5

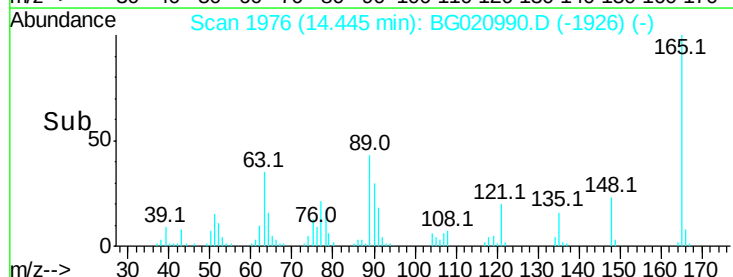
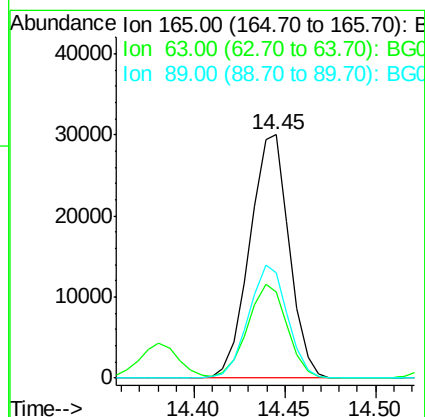
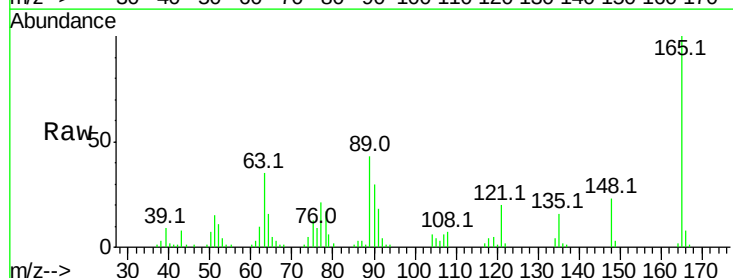
Manual Integrations
APPROVED

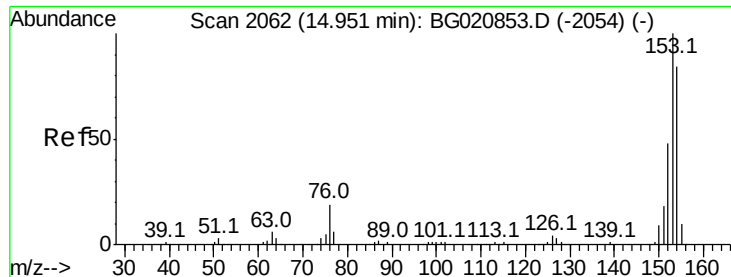
UMANGI
2/22/2016 10:55:40 AM



#50
2,6-Dinitrotoluene
Concen: 43.85 ng
RT: 14.45 min Scan# 1976
Delta R.T. -0.01 min
Lab File: BG020990.D
Acq: 20 Feb 2016 2:48

Tgt Ion	Ratio	Resp Lower	Upper
165	100		
63	35.4	30.3	45.5
89	43.4	36.9	55.3





#51

Acenaphthene

Concen: 39.48 ng

RT: 14.94 min Scan# 2060

Delta R.T. -0.01 min

Lab File: BG020990.D

Acq: 20 Feb 2016 2:48

Instrument :

BNA_G

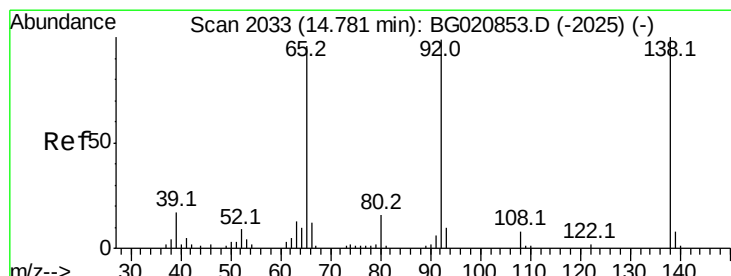
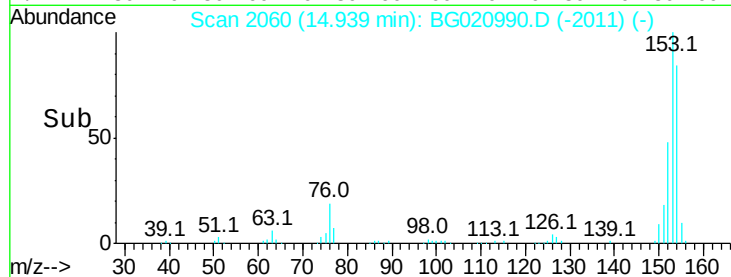
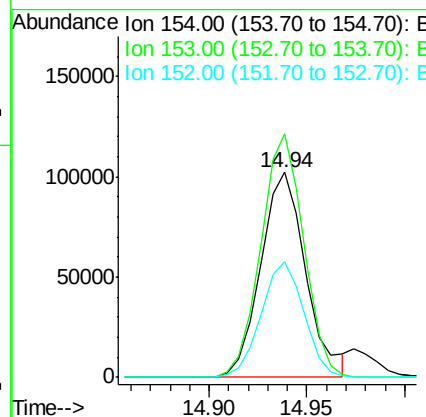
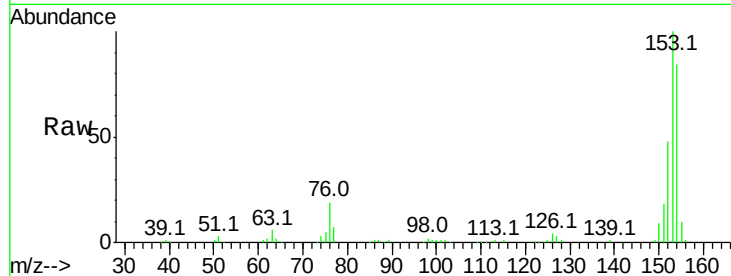
ClientSampleId :

PB88447BS

Tot Ion:	154	Resp:	162814
Ion Ratio	Lower	Upper	
154	100		
153	118.8	95.4	143.0
152	56.7	46.1	69.1

Manual Integrations
APPROVED

UMANGI
2/22/2016 10:55:40 AM



#52

3-Nitroaniline

Concen: 21.27 ng

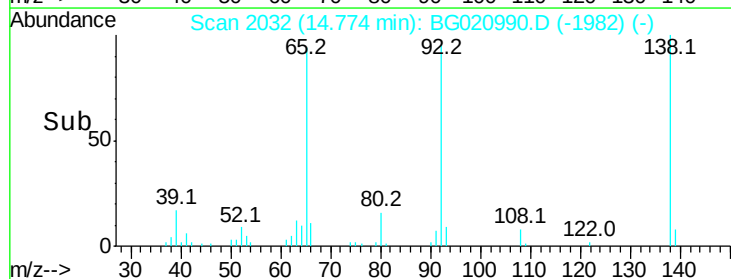
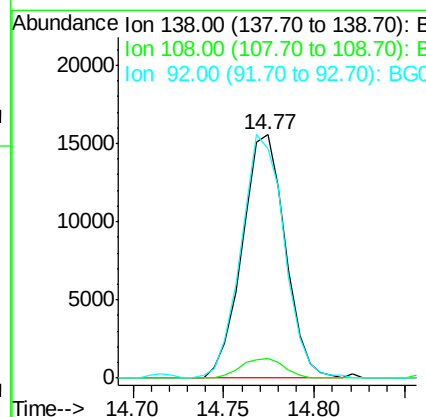
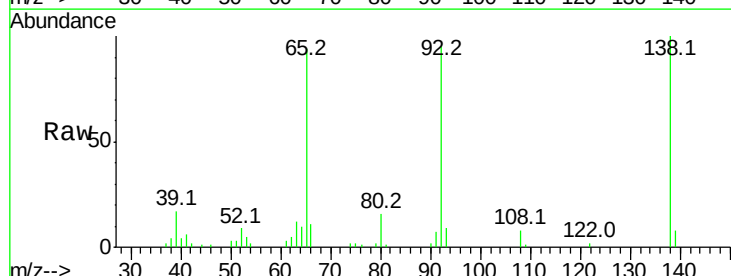
RT: 14.77 min Scan# 2032

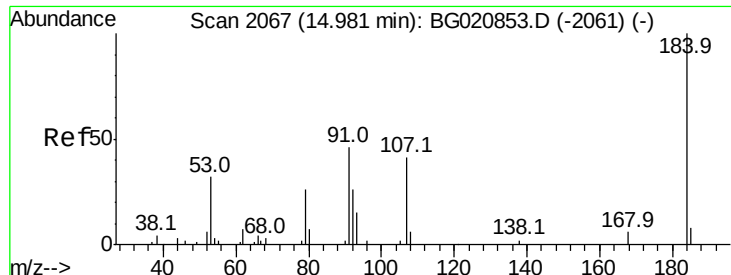
Delta R.T. -0.01 min

Lab File: BG020990.D

Acq: 20 Feb 2016 2:48

Tgt Ion:	138	Resp:	25648
Ion Ratio	Lower	Upper	
138	100		
108	8.1	6.2	9.2
92	94.5	79.5	119.3





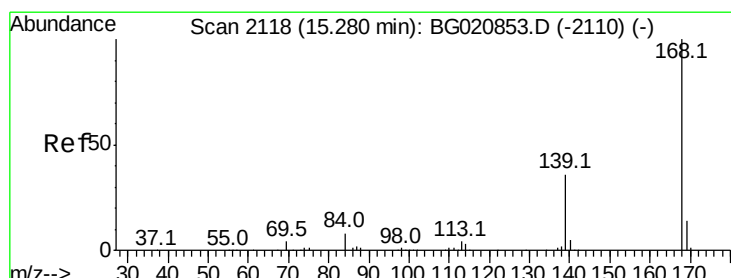
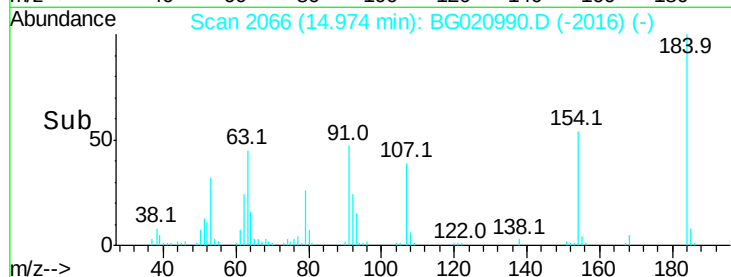
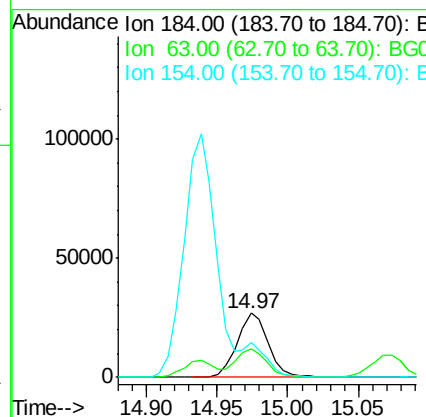
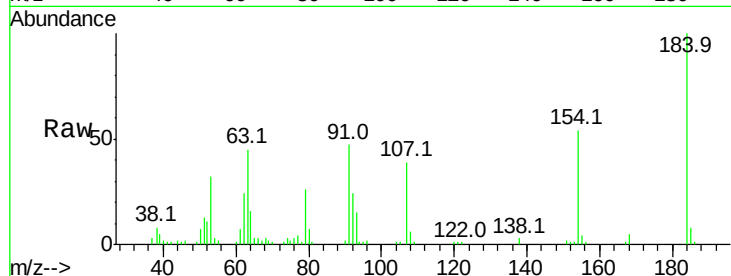
#53
 2,4-Dinitrophenol
 Concen: 92.34 ng
 RT: 14.97 min Scan# 2066
 Delta R.T. -0.01 min
 Lab File: BG020990.D
 Acq: 20 Feb 2016 2:48

Instrument :
 BNA_G
 ClientSampleId :
 PB88447BS

Tot Ion	Ratio	Resp	Lower	Upper
184	100			
63	44.9	39.8	59.6	
154	53.6	48.1	72.1	

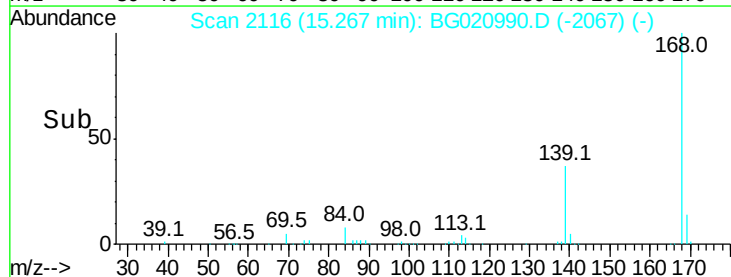
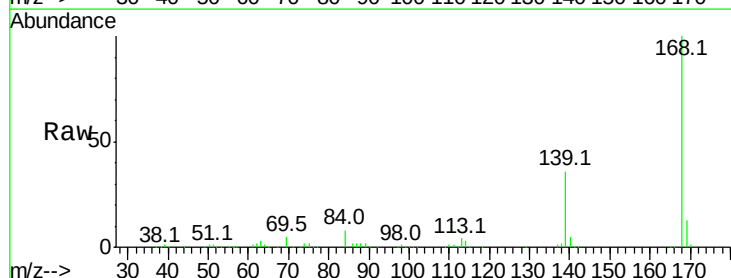
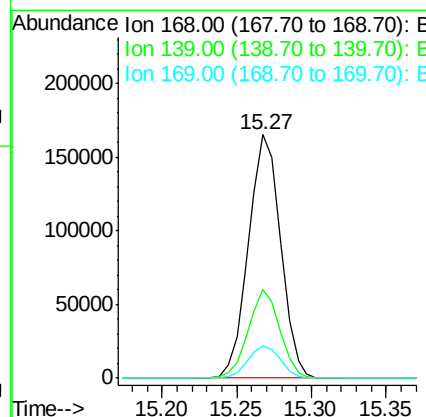
Manual Integrations
 APPROVED

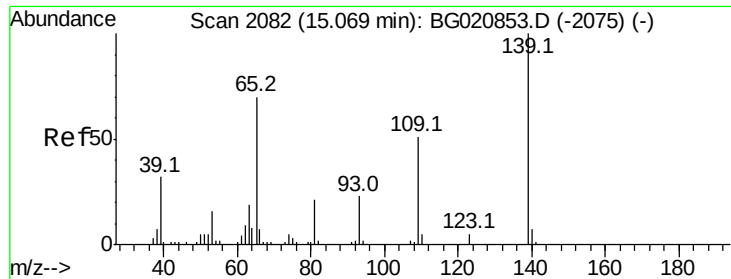
UMANGI
 2/22/2016 10:55:40 AM



#54
 Dibenzofuran
 Concen: 45.00 ng
 RT: 15.27 min Scan# 2116
 Delta R.T. -0.01 min
 Lab File: BG020990.D
 Acq: 20 Feb 2016 2:48

Tgt Ion	Ratio	Resp	Lower	Upper
168	100			
139	36.4	28.5	42.7	
169	13.4	11.0	16.4	





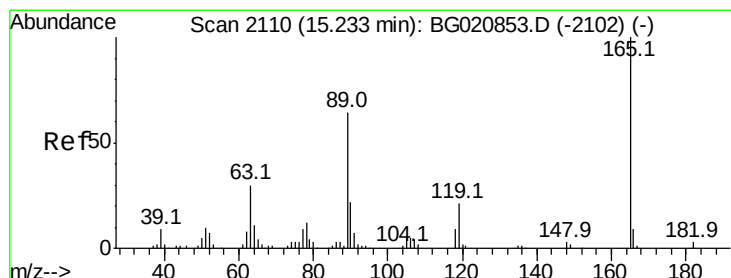
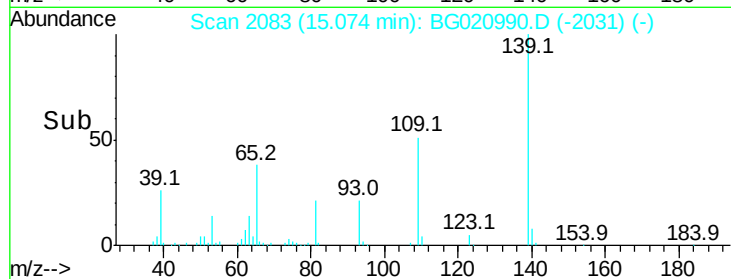
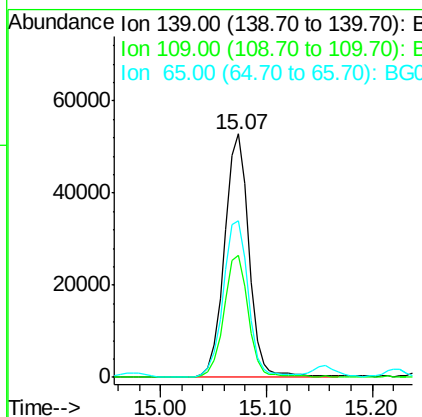
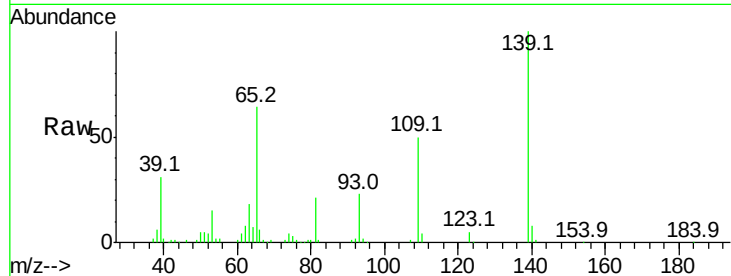
#55
4-Nitrophenol
Concen: 93.24 ng
RT: 15.07 min Scan# 2083
Delta R.T. 0.00 min
Lab File: BG020990.D
Acq: 20 Feb 2016 2:48

Instrument :
BNA_G
ClientSampleId :
PB88447BS

Tot Ion	Ratio	Resp	Lower	Upper
139	100			
109	50.0	31.0	71.0	
65	64.4	49.6	89.6	

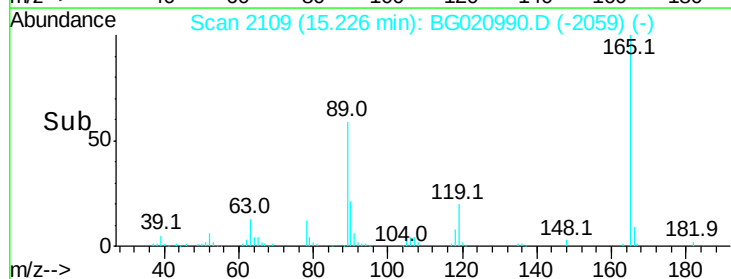
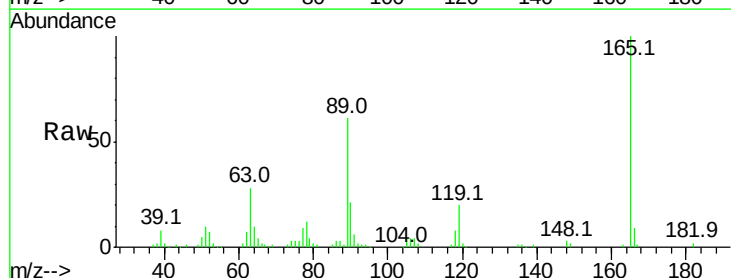
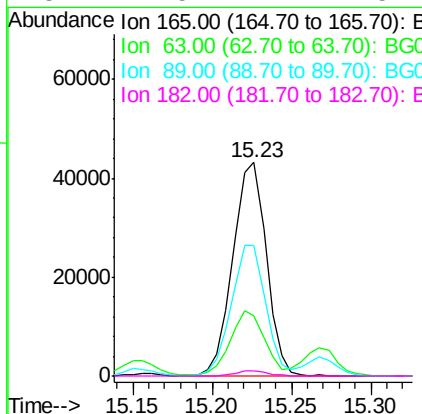
Manual Integrations
APPROVED

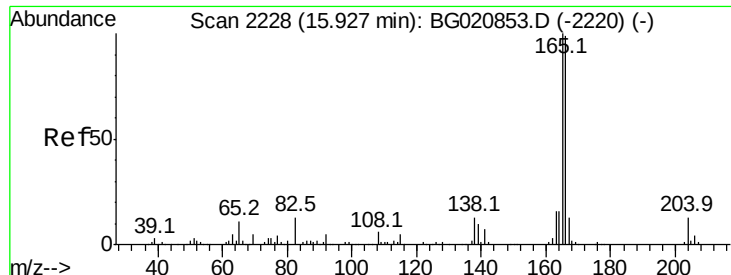
UMANGI
2/22/2016 10:55:40 AM



#56
2,4-Dinitrotoluene
Concen: 47.37 ng
RT: 15.23 min Scan# 2109
Delta R.T. -0.01 min
Lab File: BG020990.D
Acq: 20 Feb 2016 2:48

Tgt Ion	Ratio	Resp	Lower	Upper
165	100			
63	27.9	23.7	35.5	
89	61.0	50.9	76.3	
182	2.5	2.2	3.2	





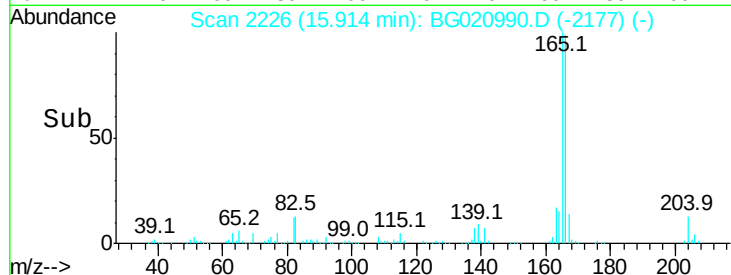
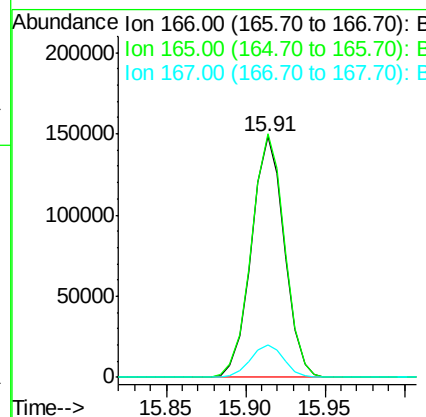
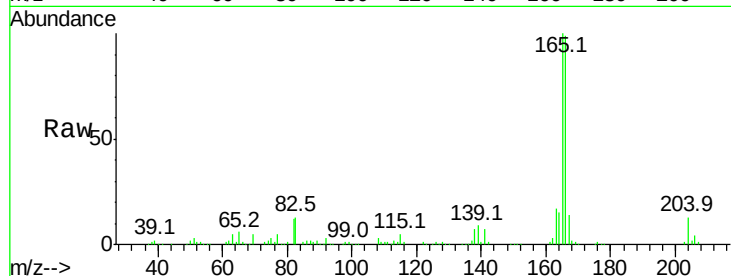
#57
 Fluorene
 Concen: 42.53 ng
 RT: 15.91 min Scan# 2226
 Delta R.T. -0.01 min
 Lab File: BG020990.D
 Acq: 20 Feb 2016 2:48

Instrument :
 BNA_G
 ClientSampleId :
 PB88447BS

Tot Ion	Ratio	Resp	Lower	Upper
166	100			
165	101.0	81.0	121.4	
167	13.7	10.8	16.2	

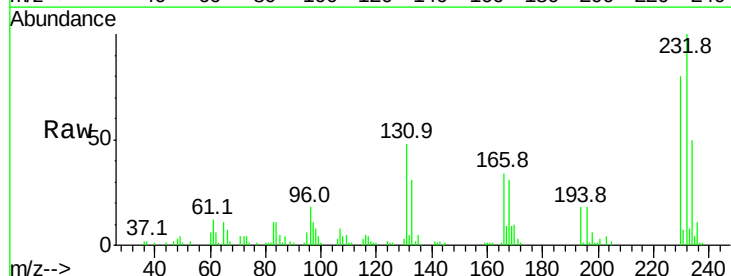
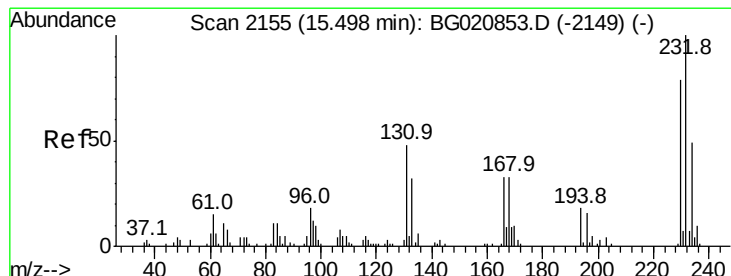
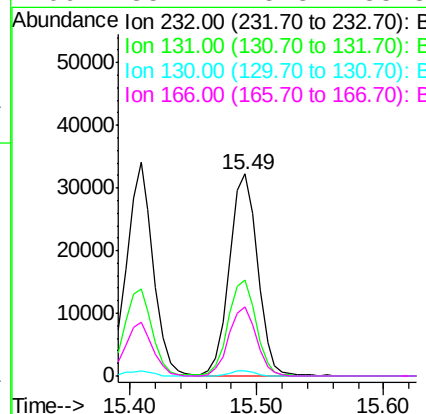
Manual Integrations
 APPROVED

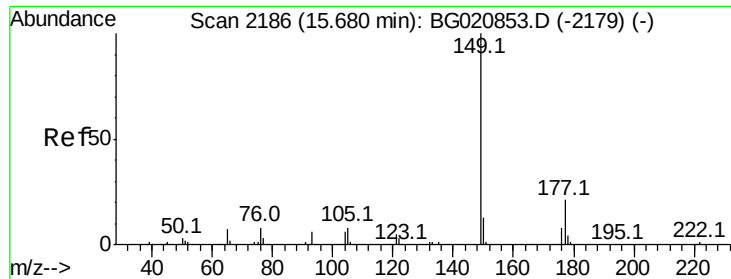
UMANGI
 2/22/2016 10:55:40 AM



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 50.77 ng
 RT: 15.49 min Scan# 2154
 Delta R.T. -0.01 min
 Lab File: BG020990.D
 Acq: 20 Feb 2016 2:48

Tgt Ion	Ratio	Resp	Lower	Upper
232	100			
131	47.2	39.2	58.8	
130	2.3	2.0	3.0	
166	33.2	25.8	38.8	





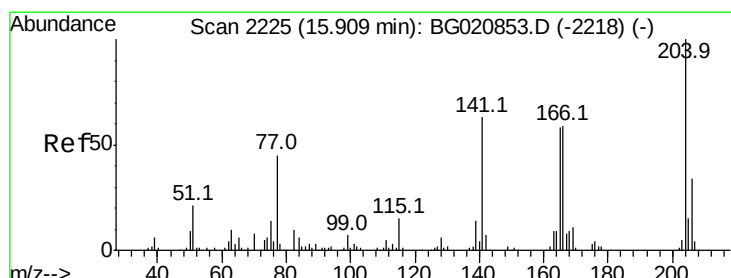
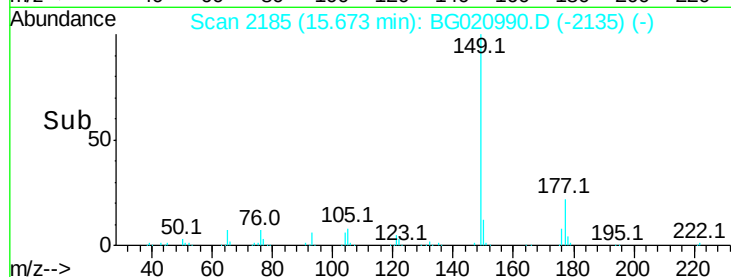
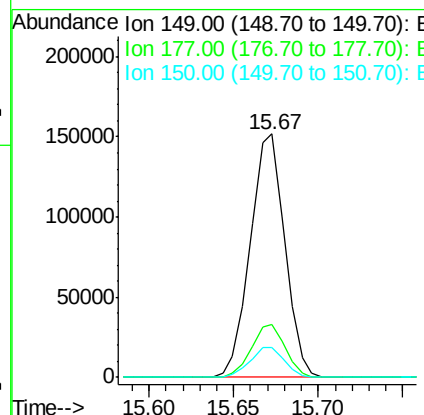
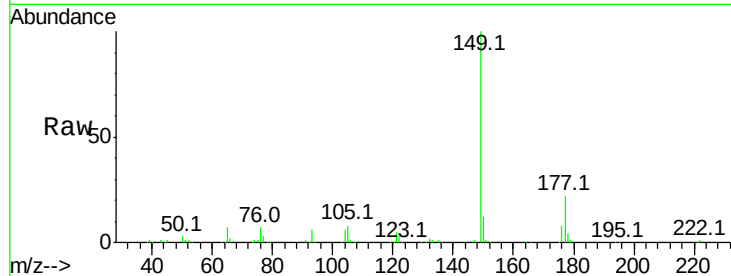
#59
Diethylphthalate
Concen: 43.41 ng
RT: 15.67 min Scan# 2185
Delta R.T. -0.01 min
Lab File: BG020990.D
Acq: 20 Feb 2016 2:48

Instrument :
BNA_G
ClientSampleId :
PB88447BS

Tot Ion	Ratio	Resp Lower	Upper
149	100		
177	21.7	16.9	25.3
150	12.1	10.1	15.1

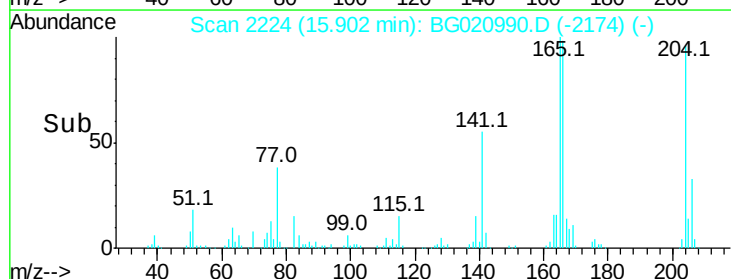
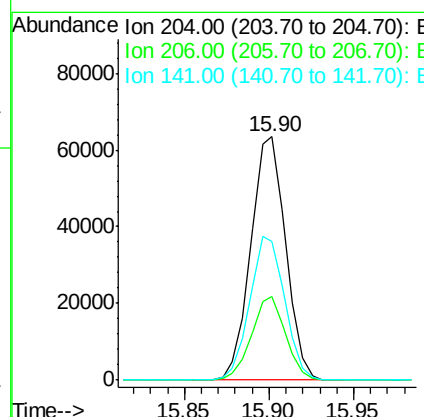
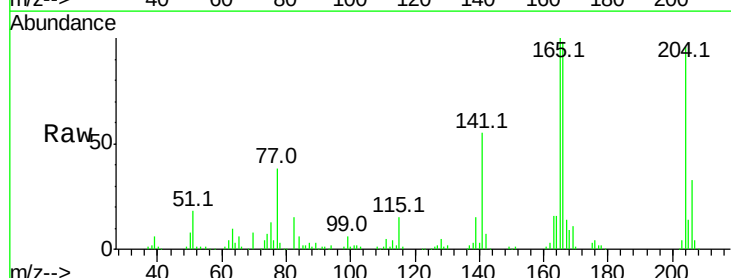
Manual Integrations
APPROVED

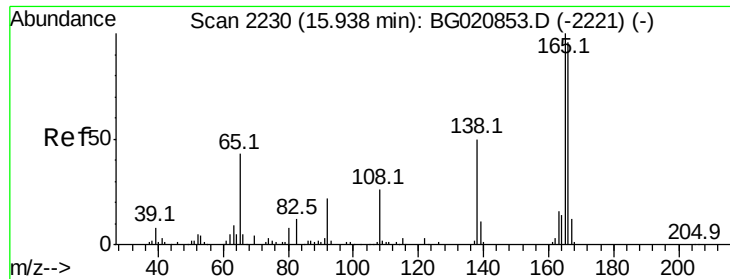
UMANGI
2/22/2016 10:55:40 AM



#60
4-Chlorophenyl-phenylether
Concen: 40.77 ng
RT: 15.90 min Scan# 2224
Delta R.T. -0.01 min
Lab File: BG020990.D
Acq: 20 Feb 2016 2:48

Tgt Ion	Ratio	Resp Lower	Upper
204	100		
206	34.2	26.9	40.3
141	57.2	50.3	75.5





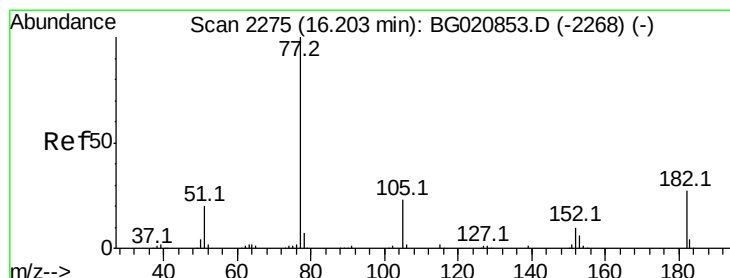
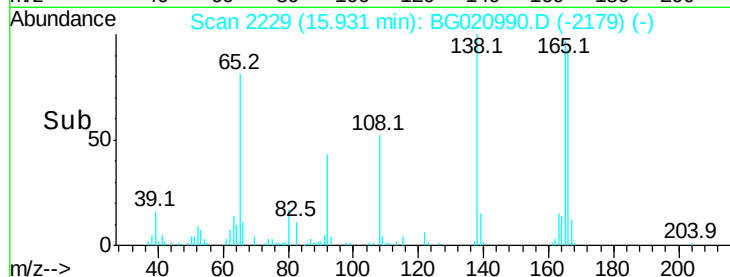
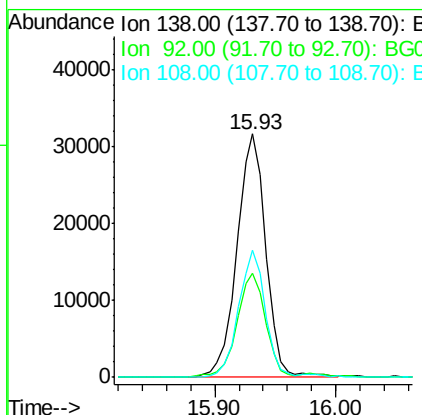
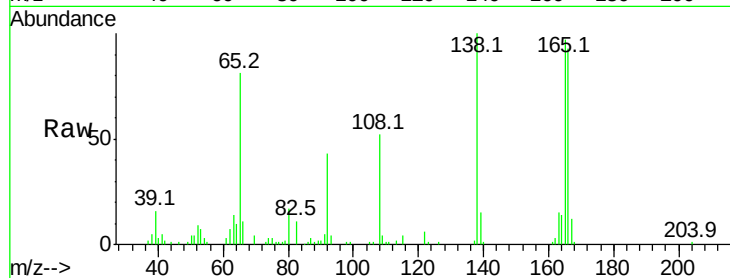
#61
4-Nitroaniline
Concen: 43.59 ng
RT: 15.93 min Scan# 2229
Delta R.T. -0.01 min
Lab File: BG020990.D
Acq: 20 Feb 2016 2:48

Instrument :
BNA_G
ClientSampleId :
PB88447BS

Tot Ion	Ratio	Resp	Lower	Upper
138	100			
92	42.6	24.1	64.1	
108	52.3	32.4	72.4	

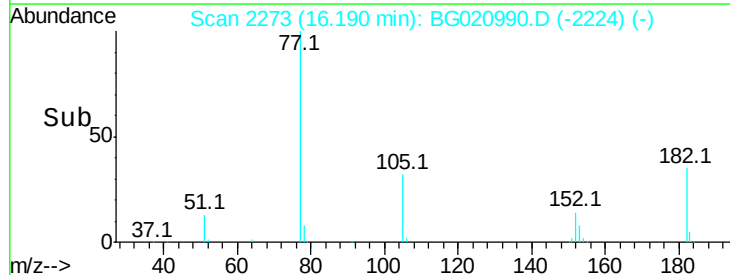
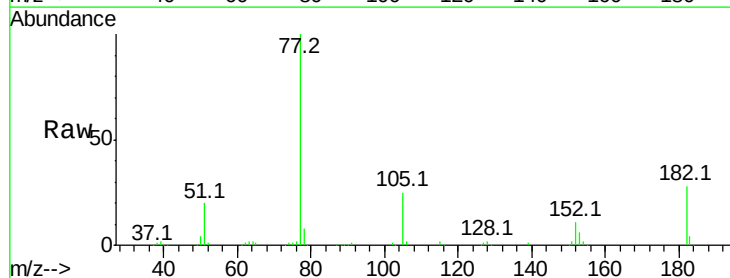
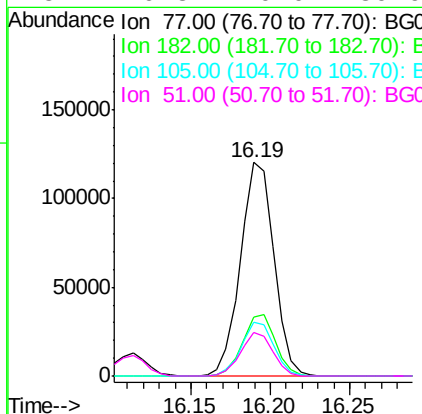
Manual Integrations
APPROVED

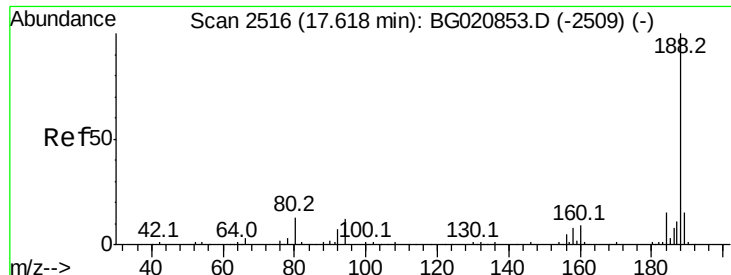
UMANGI
2/22/2016 10:55:40 AM



#62
Azobenzene
Concen: 45.06 ng
RT: 16.19 min Scan# 2273
Delta R.T. -0.01 min
Lab File: BG020990.D
Acq: 20 Feb 2016 2:48

Tgt Ion	Ratio	Resp	Lower	Upper
77	100			
182	27.8	6.8	46.8	
105	25.1	3.4	43.4	
51	20.3	0.0	39.9	





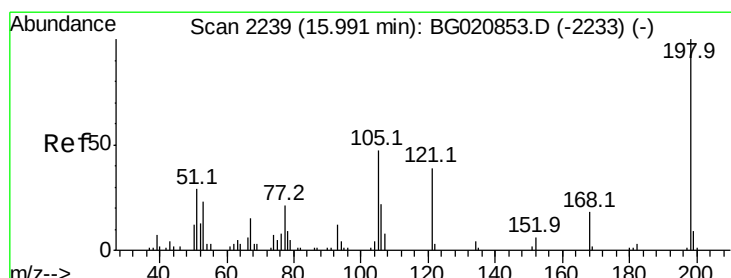
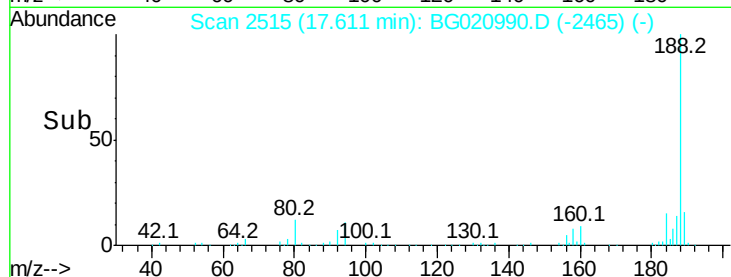
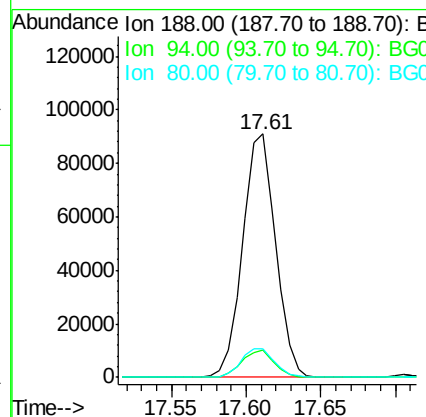
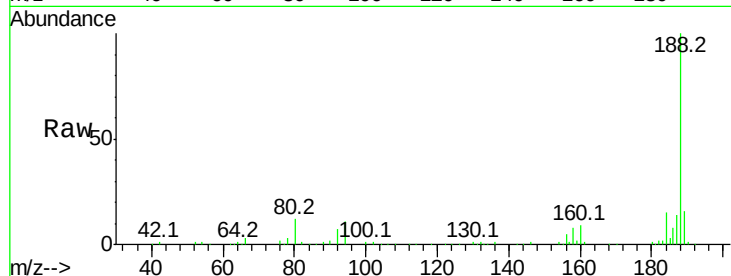
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.61 min Scan# 2515
 Delta R.T. -0.01 min
 Lab File: BG020990.D
 Acq: 20 Feb 2016 2:48

Instrument :
 BNA_G
 ClientSampleId :
 PB88447BS

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	11.1	9.4	14.0
80	12.0	10.2	15.4

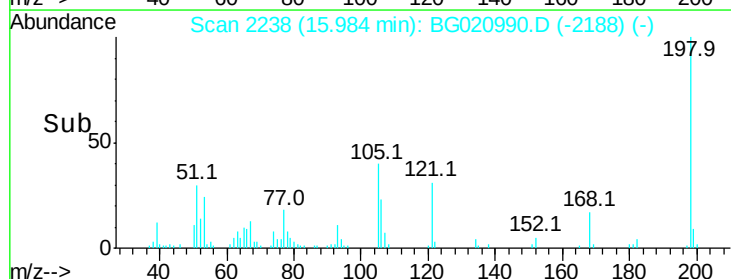
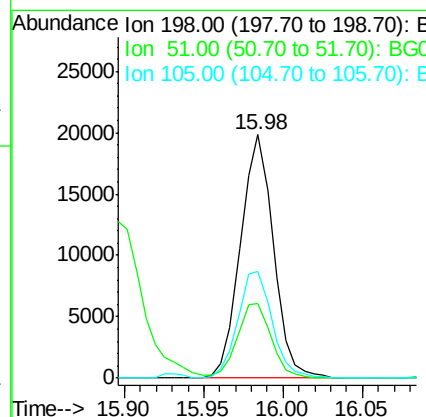
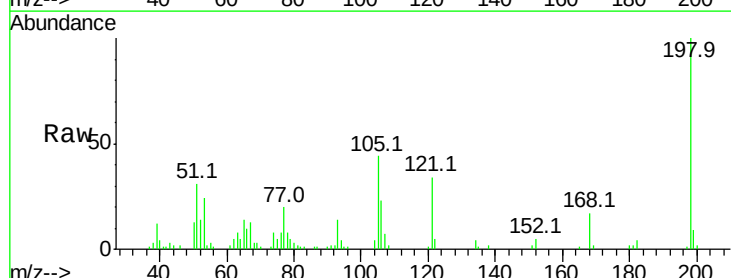
Manual Integrations
 APPROVED

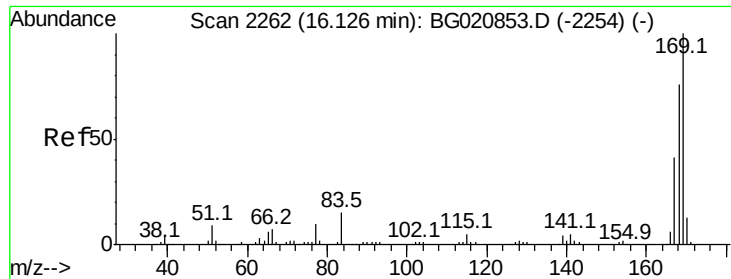
UMANGI
 2/22/2016 10:55:40 AM



#64
 4,6-Dinitro-2-methylphenol
 Concen: 41.37 ng
 RT: 15.98 min Scan# 2238
 Delta R.T. -0.01 min
 Lab File: BG020990.D
 Acq: 20 Feb 2016 2:48

Tgt Ion	Ratio	Resp Lower	Resp Upper
198	100		
51	30.9	10.6	50.6
105	43.7	27.0	67.0





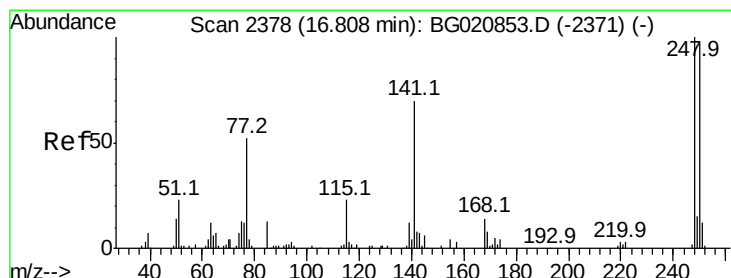
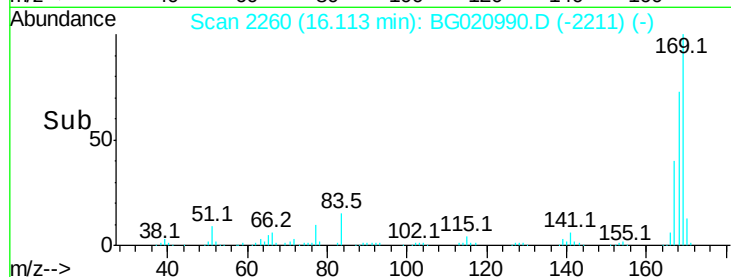
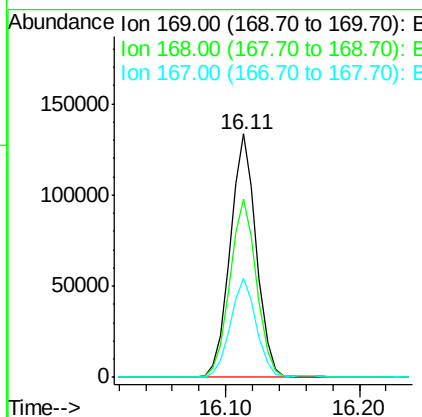
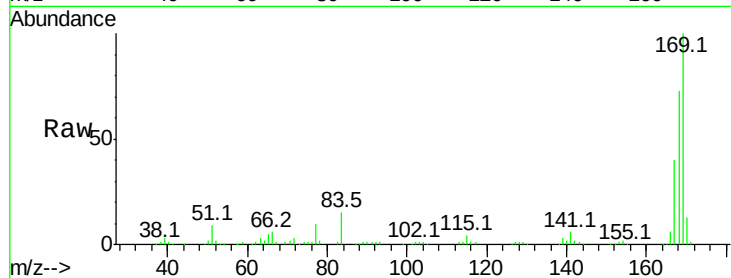
#65
 n-Nitrosodiphenylamine
 Concen: 40.55 ng
 RT: 16.11 min Scan# 2260
 Delta R.T. -0.01 min
 Lab File: BG020990.D
 Acq: 20 Feb 2016 2:48

Instrument :
 BNA_G
 ClientSampleId :
 PB88447BS

Tot Ion	Ratio	Resp	Lower	Upper
169	100	182011		
168	73.5	60.7	91.1	
167	40.4	32.8	49.2	

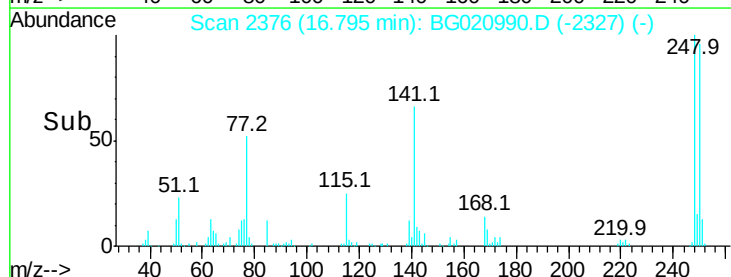
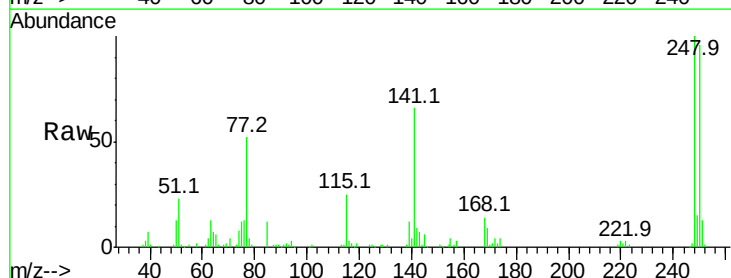
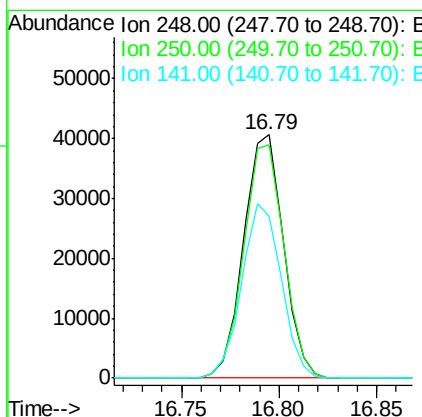
Manual Integrations
 APPROVED

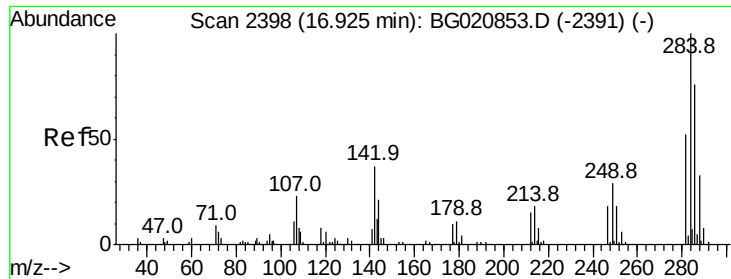
UMANGI
 2/22/2016 10:55:40 AM



#66
 4-Bromophenyl-phenylether
 Concen: 39.03 ng
 RT: 16.79 min Scan# 2376
 Delta R.T. -0.01 min
 Lab File: BG020990.D
 Acq: 20 Feb 2016 2:48

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	57255		
250	96.0	77.4	116.2	
141	66.2	55.7	83.5	





#67

Hexachlorobenzene

Concen: 40.37 ng

RT: 16.91 min Scan# 2396

Delta R.T. -0.01 min

Lab File: BG020990.D

Acq: 20 Feb 2016 2:48

Instrument :

BNA_G

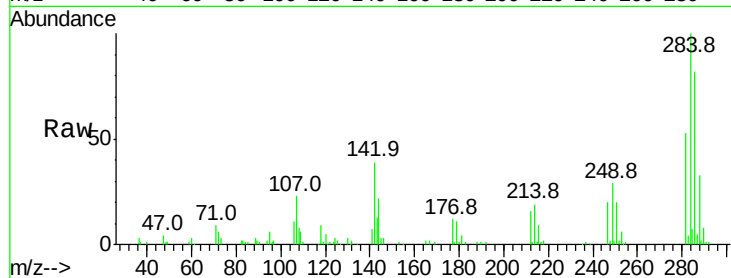
ClientSampleId :

PB88447BS

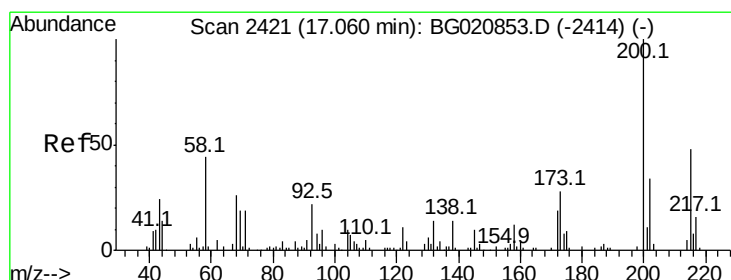
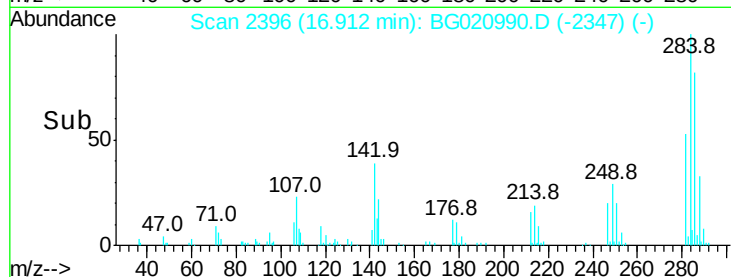
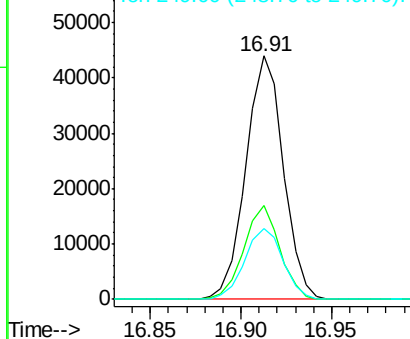
Tot Ion:	284	Resp:	63022
Ion Ratio	Lower	Upper	
284	100		
142	38.6	29.9	44.9
249	29.1	23.3	34.9

Manual Integrations
APPROVED

UMANGI
2/22/2016 10:55:40 AM



Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 43.02 ng

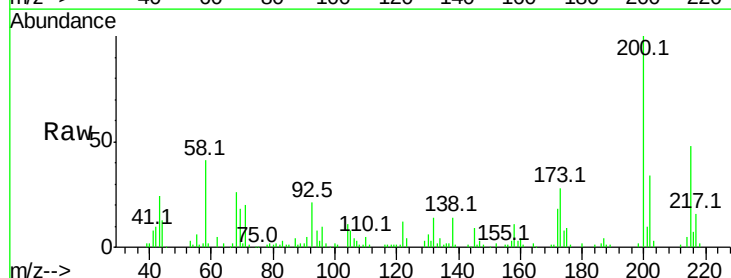
RT: 17.05 min Scan# 2419

Delta R.T. -0.01 min

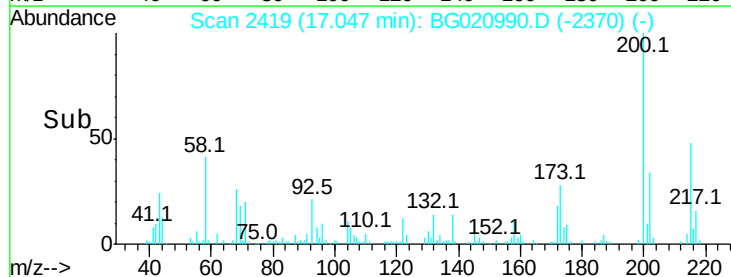
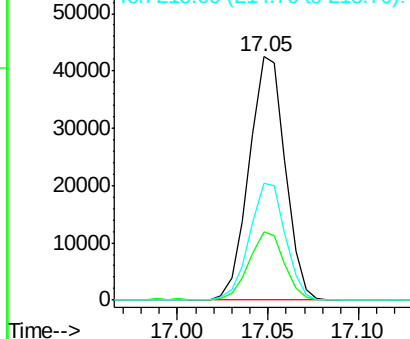
Lab File: BG020990.D

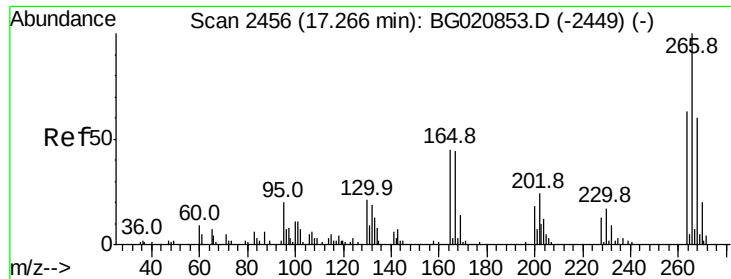
Acq: 20 Feb 2016 2:48

Tgt Ion:	200	Resp:	58589
Ion Ratio	Lower	Upper	
200	100		
173	28.2	8.4	48.4
215	47.8	28.2	68.2



Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E





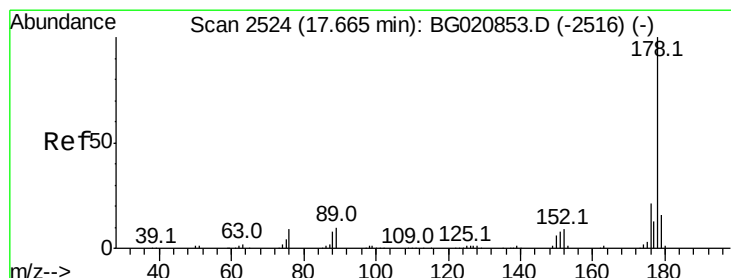
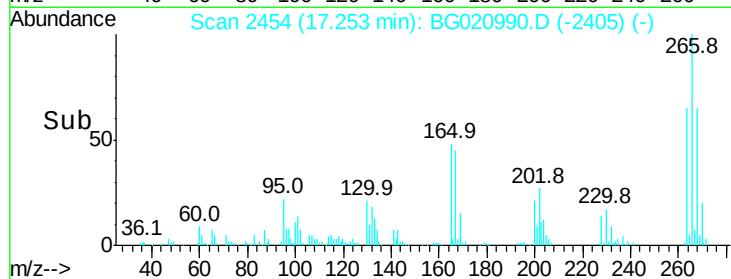
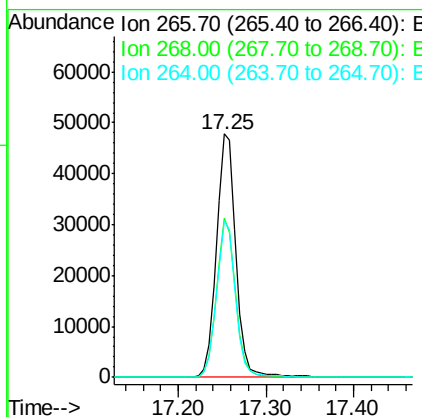
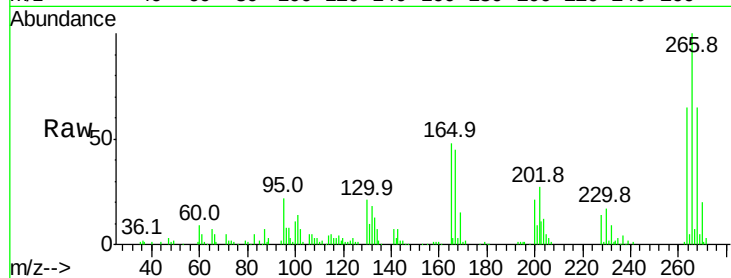
#69
 Pentachlorophenol
 Concen: 82.42 ng
 RT: 17.25 min Scan# 2454
 Delta R.T. -0.01 min
 Lab File: BG020990.D
 Acq: 20 Feb 2016 2:48

Instrument :
 BNA_G
 ClientSampleId :
 PB88447BS

Tot Ion:	266	Resp:	73764
Ion Ratio	Lower	Upper	
266	100		
268	65.3	47.8	71.6
264	64.5	50.2	75.4

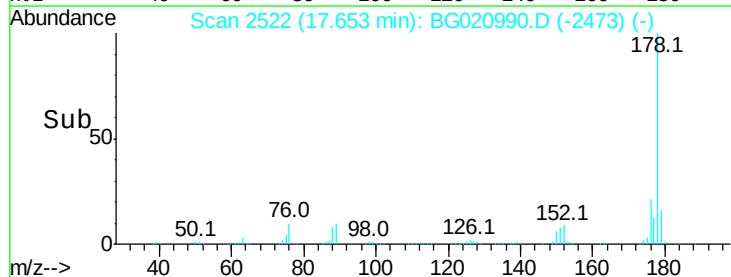
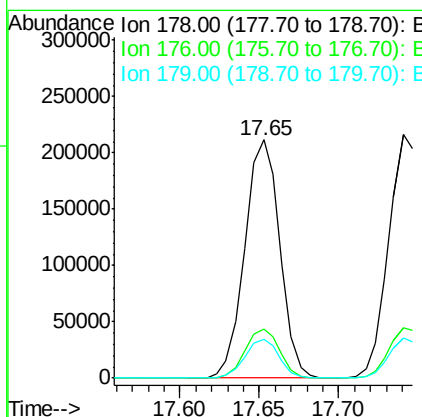
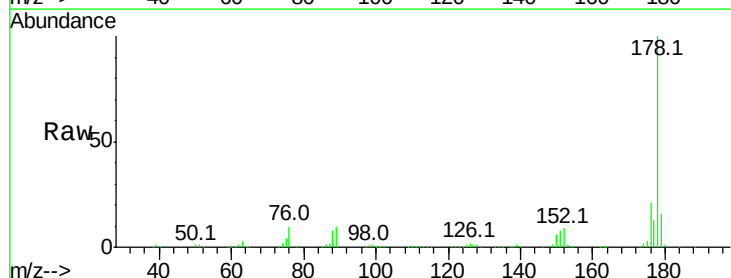
Manual Integrations
 APPROVED

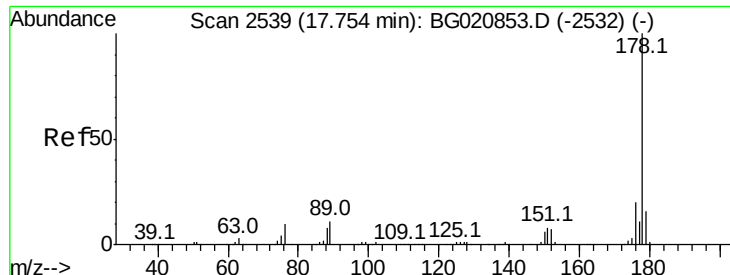
UMANGI
 2/22/2016 10:55:40 AM



#70
 Phenanthrene
 Concen: 40.96 ng
 RT: 17.65 min Scan# 2522
 Delta R.T. -0.01 min
 Lab File: BG020990.D
 Acq: 20 Feb 2016 2:48

Tgt Ion:	178	Resp:	323919
Ion Ratio	Lower	Upper	
178	100		
176	20.5	16.8	25.2
179	16.1	12.6	19.0





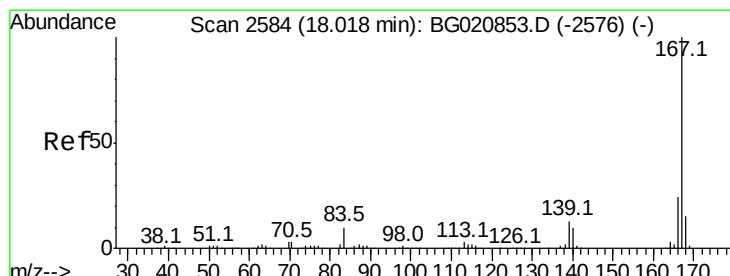
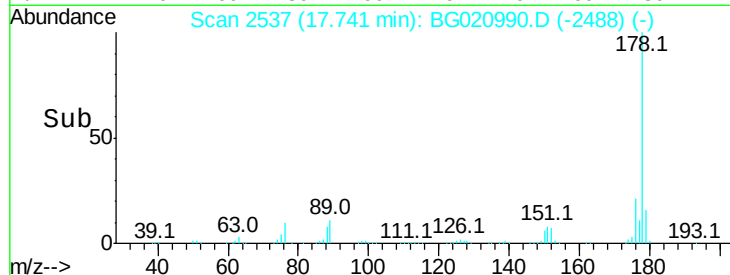
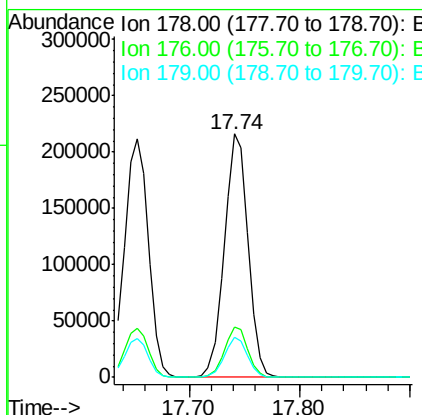
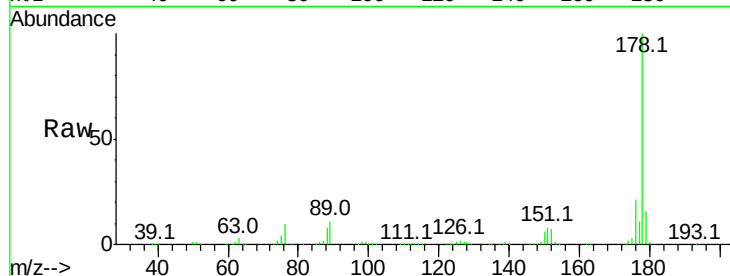
#71
 Anthracene
 Concen: 40.43 ng
 RT: 17.74 min Scan# 2537
 Delta R.T. -0.01 min
 Lab File: BG020990.D
 Acq: 20 Feb 2016 2:48

Instrument :
 BNA_G
 ClientSampleId :
 PB88447BS

Tot Ion	Ratio	Resp	Lower	Upper
178	100	324519		
176	20.7		16.2	24.4
179	16.4		12.7	19.1

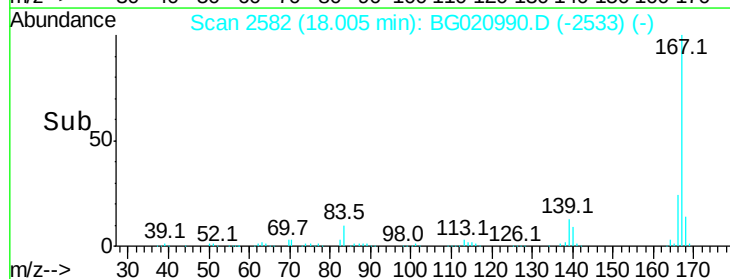
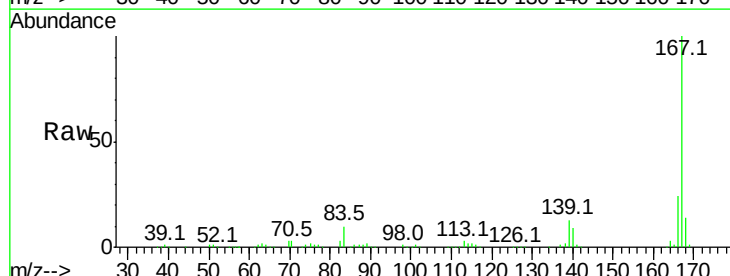
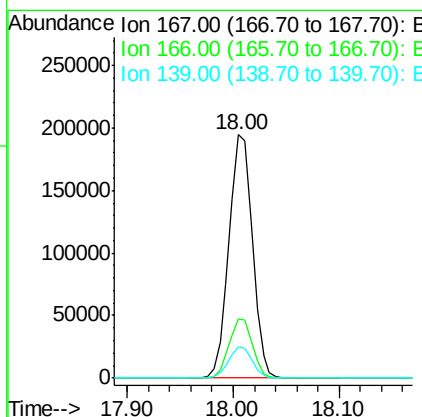
Manual Integrations
 APPROVED

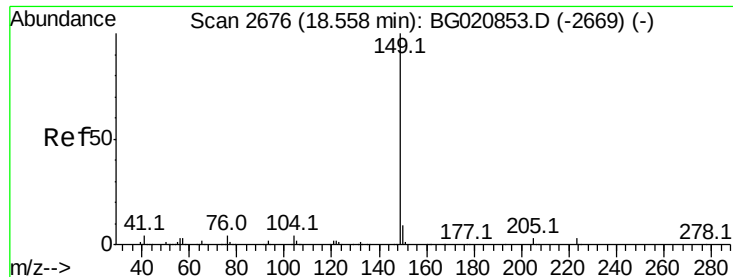
UMANGI
 2/22/2016 10:55:40 AM



#72
 Carbazole
 Concen: 41.49 ng
 RT: 18.00 min Scan# 2582
 Delta R.T. -0.01 min
 Lab File: BG020990.D
 Acq: 20 Feb 2016 2:48

Tgt Ion	Ratio	Resp	Lower	Upper
167	100	298848		
166	24.4		19.3	28.9
139	12.7		10.2	15.4





#73

Di-n-butylphthalate

Concen: 39.62 ng

RT: 18.55 min Scan# 2674

Delta R.T. -0.01 min

Lab File: BG020990.D

Acq: 20 Feb 2016 2:48

Instrument :

BNA_G

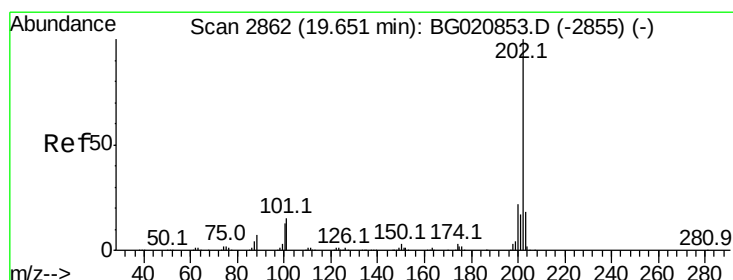
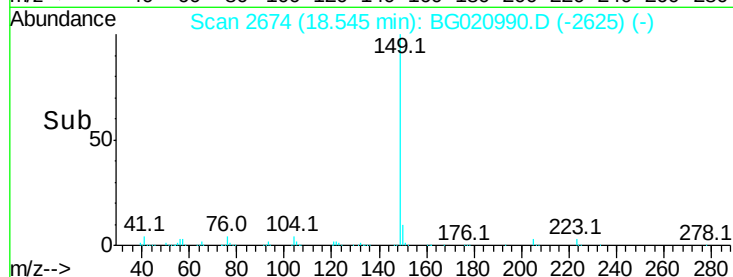
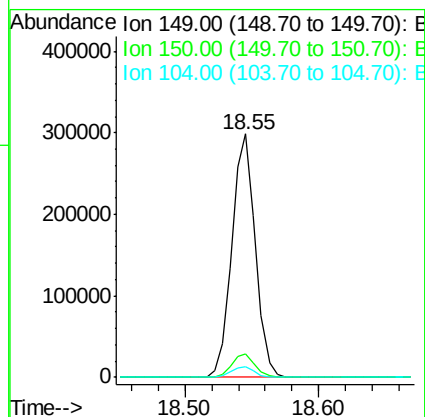
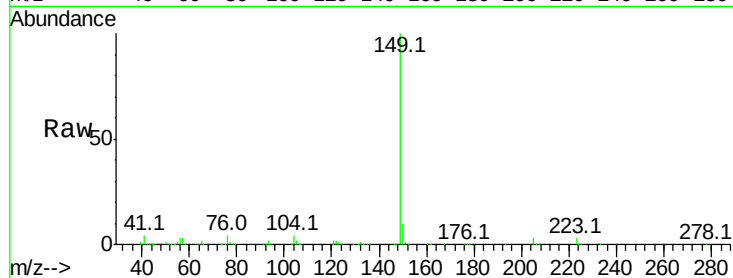
ClientSampleId :

PB88447BS

Tot Ion:	149	Resp:	365951
Ion Ratio	Lower	Upper	
149	100		
150	9.7	7.6	11.4
104	4.2	3.4	5.0

Manual Integrations
APPROVED

UMANGI
2/22/2016 10:55:40 AM



#74

Fluoranthene

Concen: 40.73 ng

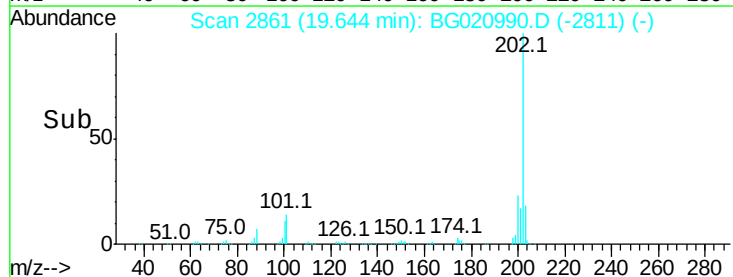
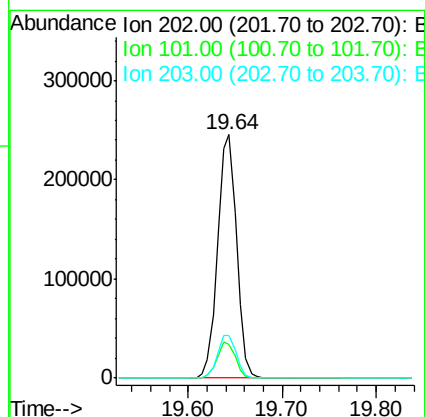
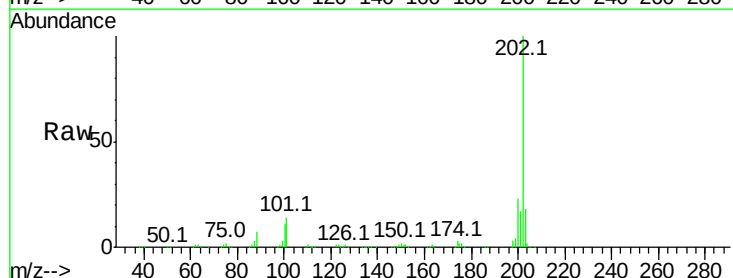
RT: 19.64 min Scan# 2861

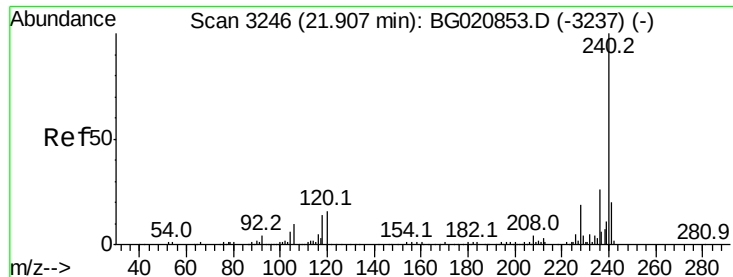
Delta R.T. -0.01 min

Lab File: BG020990.D

Acq: 20 Feb 2016 2:48

Tgt Ion:	202	Resp:	347957
Ion Ratio	Lower	Upper	
202	100		
101	13.9	0.0	35.3
203	17.6	0.0	37.8





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.89 min Scan# 3243

Delta R.T. -0.02 min

Lab File: BG020990.D

Acq: 20 Feb 2016 2:48

Instrument :

BNA_G

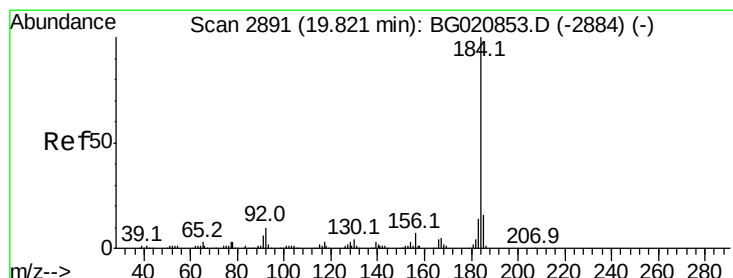
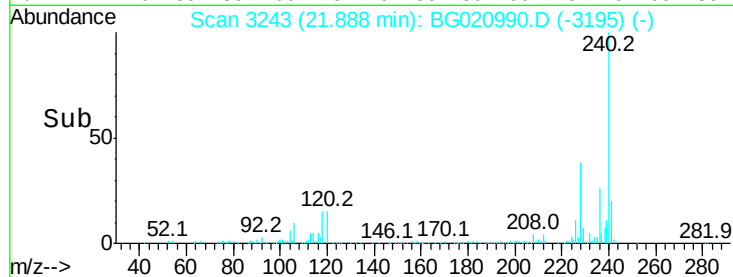
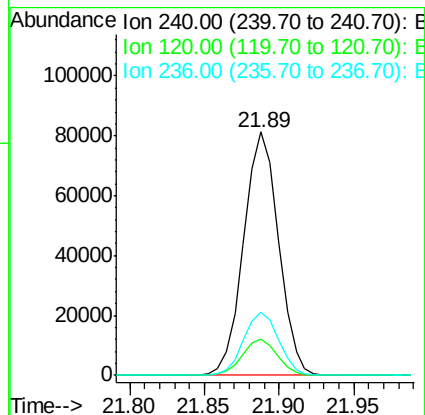
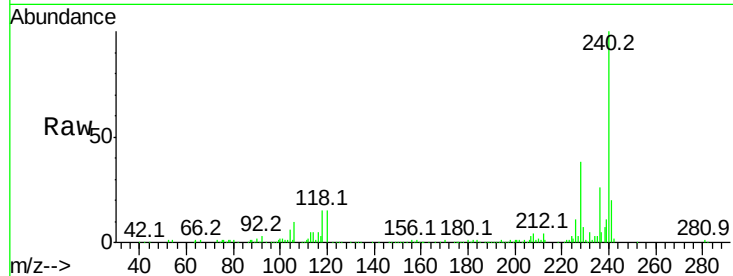
ClientSampled :

PB88447BS

Tot Ion:	240	Resp:	131264
Ion Ratio	Lower	Upper	
240	100		
120	15.1	13.0	19.4
236	26.1	21.0	31.4

Manual Integrations
APPROVED

UMANGI
2/22/2016 10:55:40 AM



#76

Benzidine

Concen: 23.02 ng

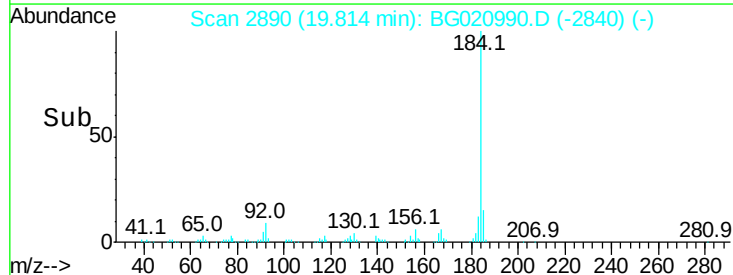
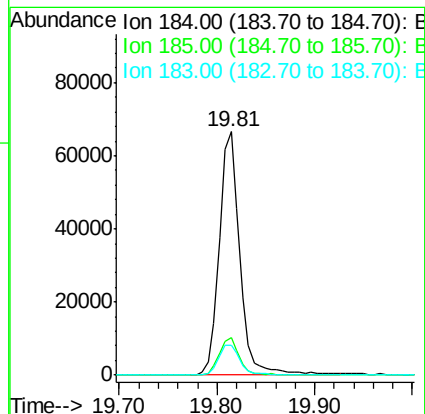
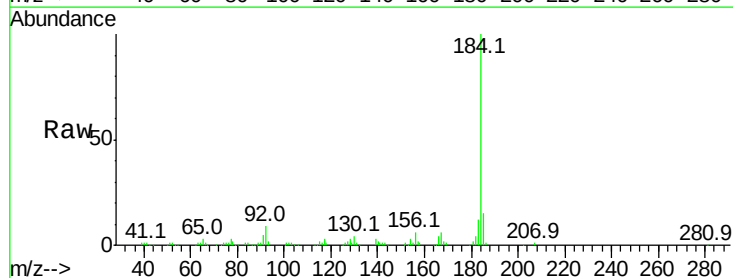
RT: 19.81 min Scan# 2890

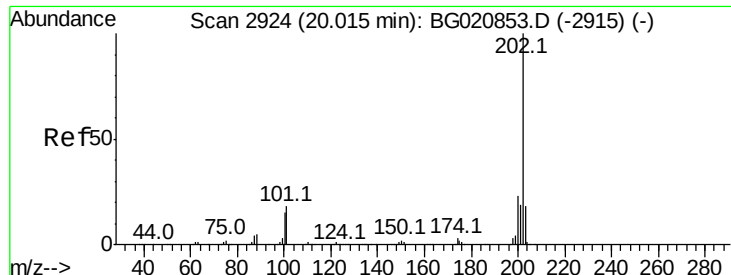
Delta R.T. -0.01 min

Lab File: BG020990.D

Acq: 20 Feb 2016 2:48

Tgt Ion:	184	Resp:	97703
Ion Ratio	Lower	Upper	
184	100		
185	15.4	12.6	19.0
183	12.4	11.0	16.4





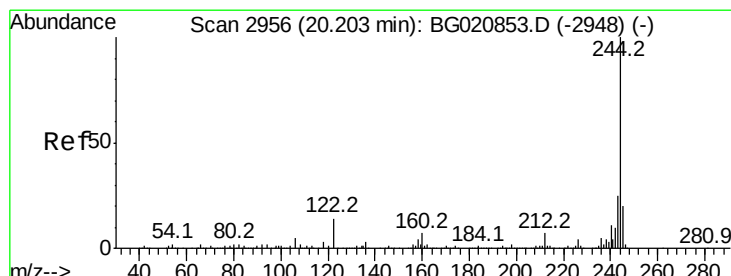
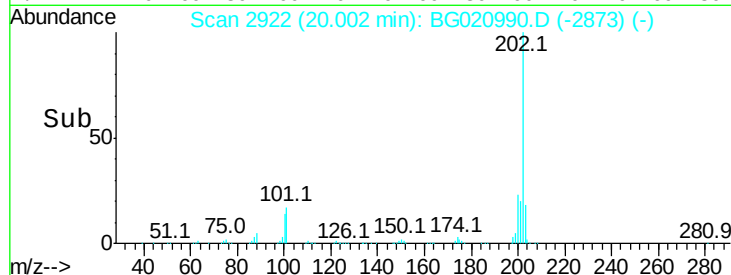
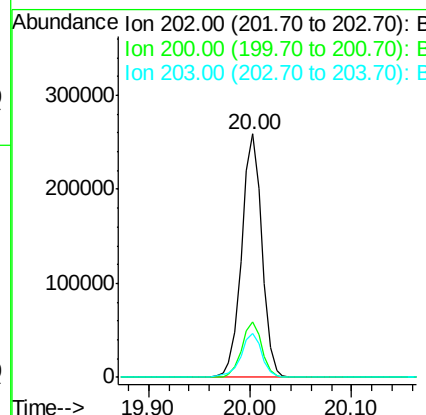
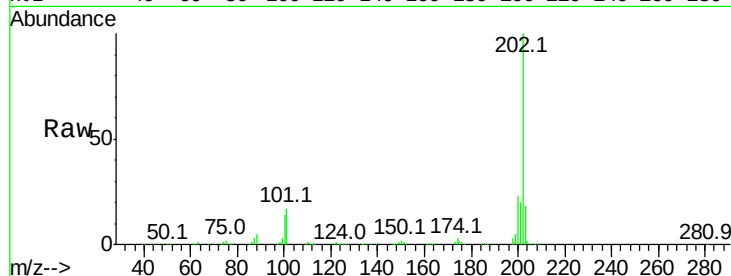
#77
Pvrene
Concen: 41.37 ng
RT: 20.00 min Scan# 2922
Delta R.T. -0.01 min
Lab File: BG020990.D
Acq: 20 Feb 2016 2:48

Instrument :
BNA_G
ClientSampleId :
PB88447BS

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	22.6	18.5	27.7
203	18.1	14.3	21.5

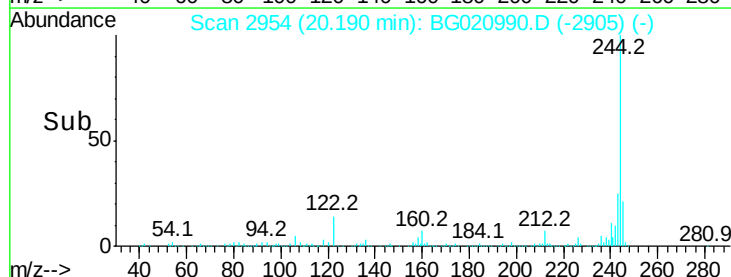
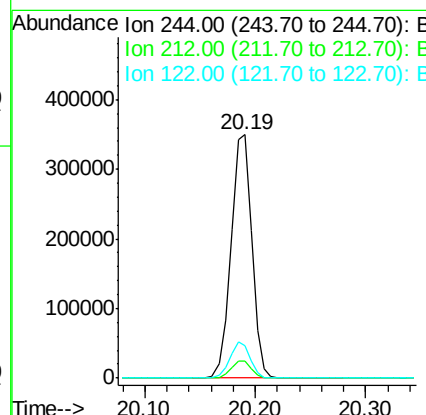
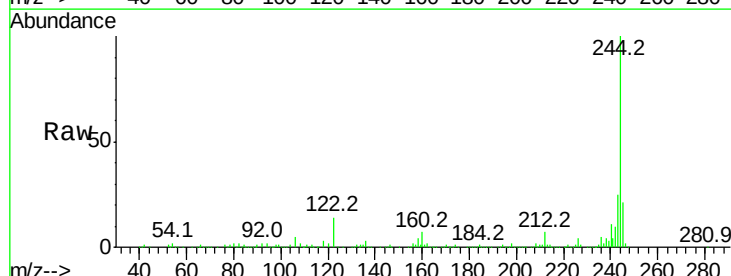
Manual Integrations
APPROVED

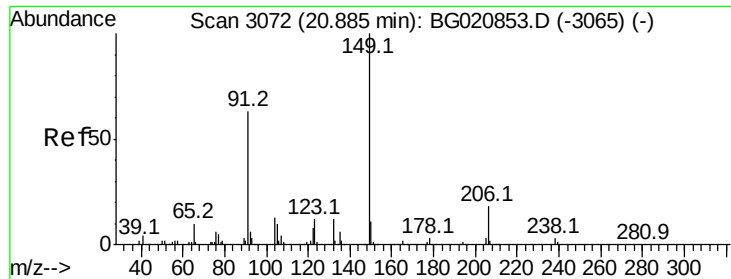
UMANGI
2/22/2016 10:55:40 AM



#78
Terphenyl-d14
Concen: 82.33 ng
RT: 20.19 min Scan# 2954
Delta R.T. -0.01 min
Lab File: BG020990.D
Acq: 20 Feb 2016 2:48

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.0	5.5	8.3
122	13.5	11.4	17.2





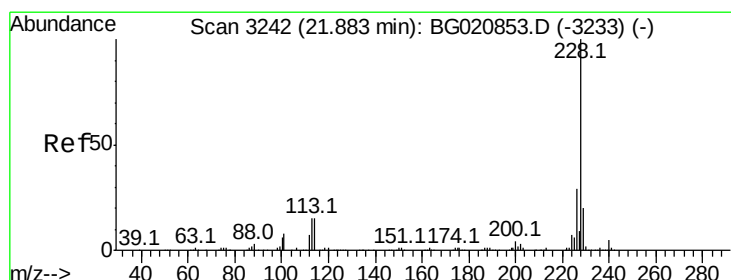
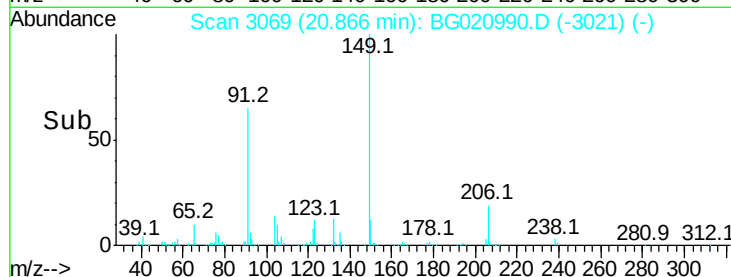
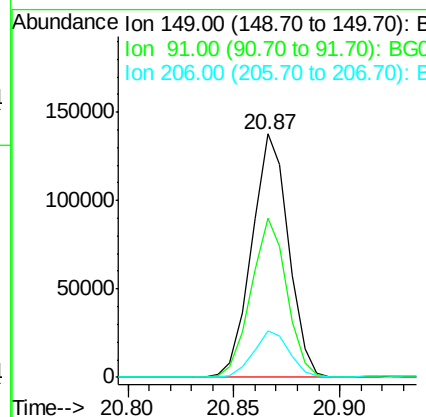
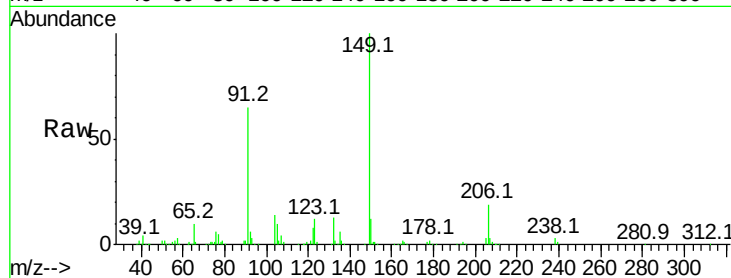
#79
Butylbenzylphthalate
Concen: 40.08 ng
RT: 20.87 min Scan# 3069
Delta R.T. -0.02 min
Lab File: BG020990.D
Acq: 20 Feb 2016 2:48

Instrument :
BNA_G
ClientSampleId :
PB88447BS

Tot Ion	Ratio	Resp	Lower	Upper
149	100	166134		
91	65.4	50.6	76.0	
206	19.1	14.6	22.0	

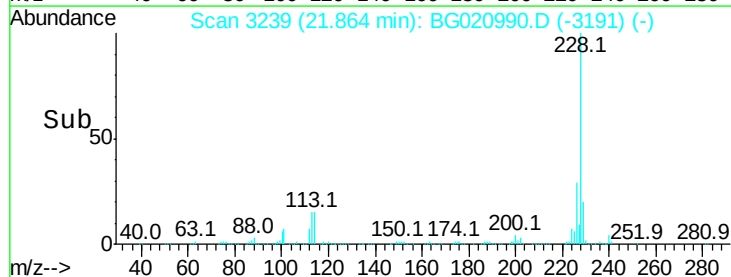
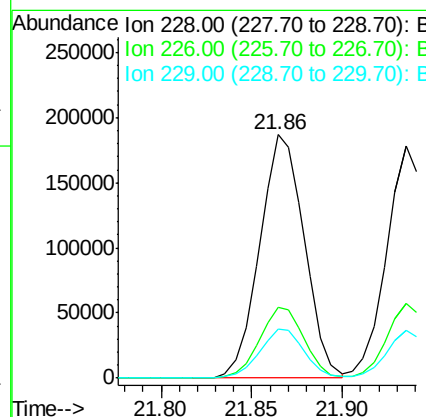
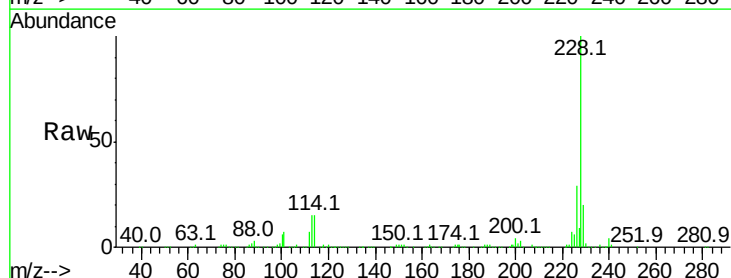
Manual Integrations
APPROVED

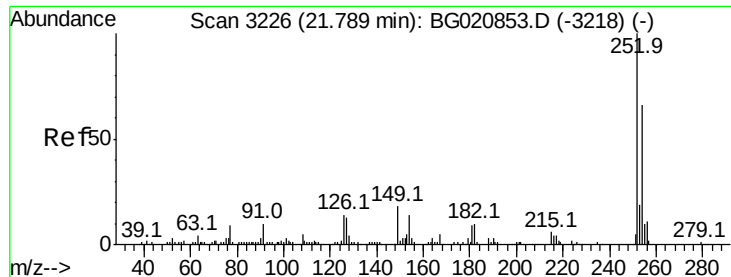
UMANGI
2/22/2016 10:55:40 AM



#80
Benzo(a)anthracene
Concen: 41.04 ng
RT: 21.86 min Scan# 3239
Delta R.T. -0.02 min
Lab File: BG020990.D
Acq: 20 Feb 2016 2:48

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	321609		
226	29.3	23.1	34.7	
229	20.3	16.2	24.2	





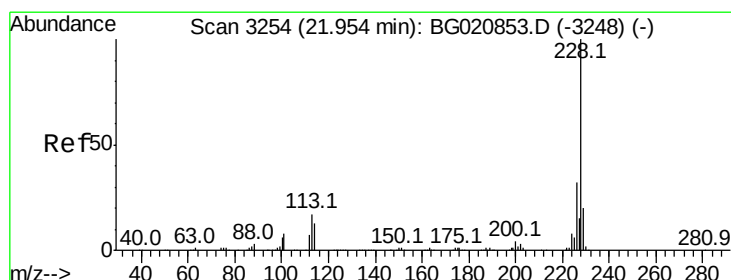
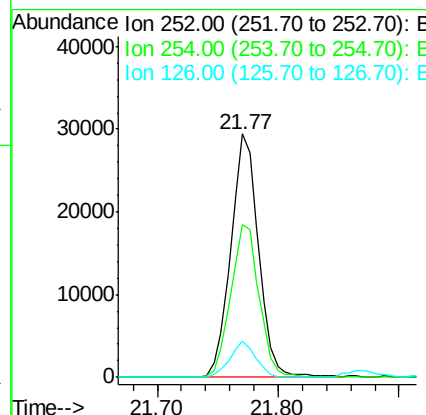
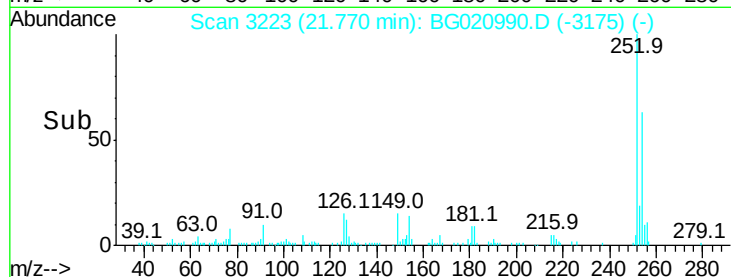
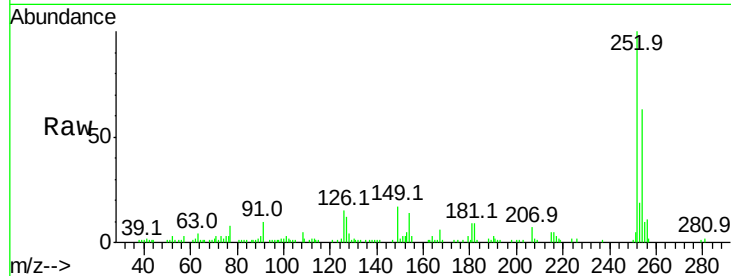
#81
 3,3'-Dichlorobenzidine
 Concen: 16.12 ng
 RT: 21.77 min Scan# 3223
 Delta R.T. -0.02 min
 Lab File: BG020990.D
 Acq: 20 Feb 2016 2:48

Instrument :
 BNA_G
 ClientSampleId :
 PB88447BS

Tot Ion	Ratio	Resp Lower	Resp Upper
252	100		
254	62.7	52.8	79.2
126	14.9	11.1	16.7

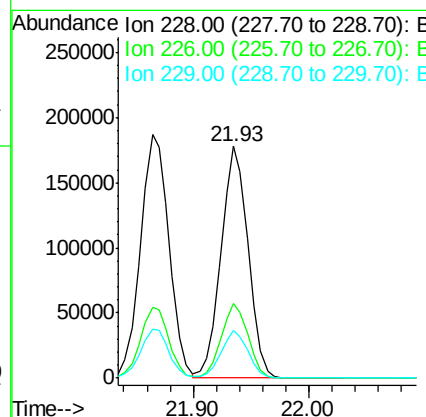
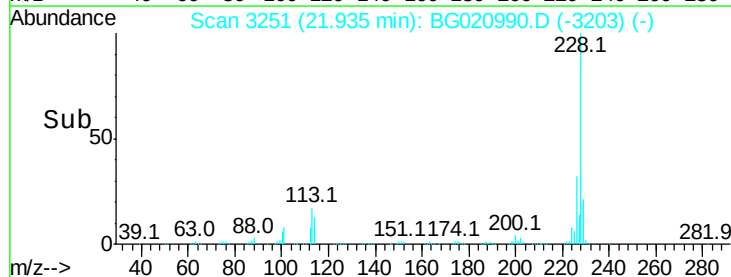
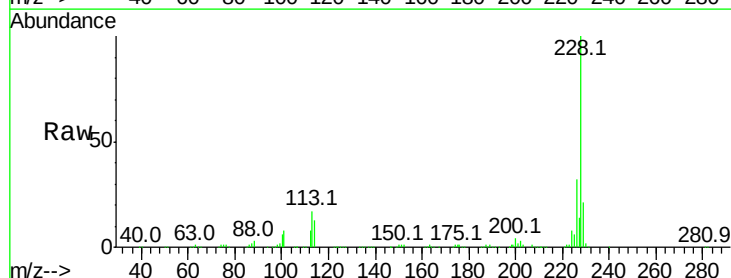
Manual Integrations
 APPROVED

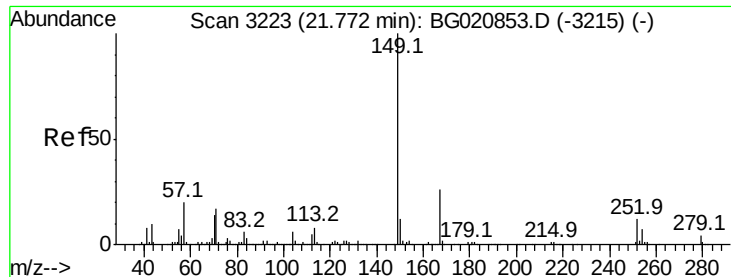
UMANGI
 2/22/2016 10:55:40 AM



#82
 Chrysene
 Concen: 39.03 ng
 RT: 21.93 min Scan# 3251
 Delta R.T. -0.02 min
 Lab File: BG020990.D
 Acq: 20 Feb 2016 2:48

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	32.1	25.3	37.9
229	20.5	16.2	24.2





#83

Bis(2-ethylhexyl)phthalate

Concen: 39.49 ng

RT: 21.75 min Scan# 3219

Delta R.T. -0.02 min

Lab File: BG020990.D

Acq: 20 Feb 2016 2:48

Instrument :

BNA_G

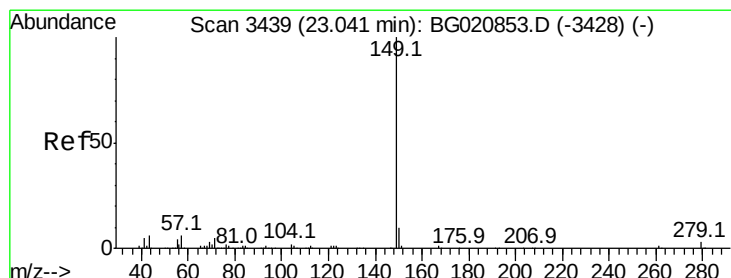
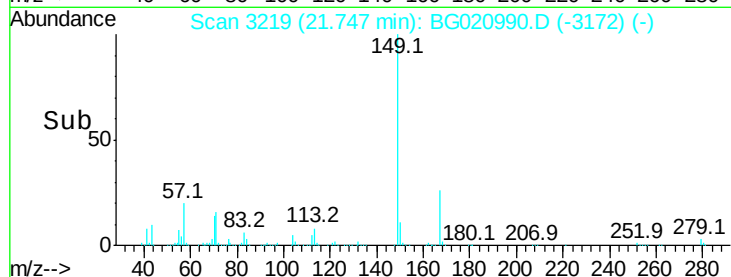
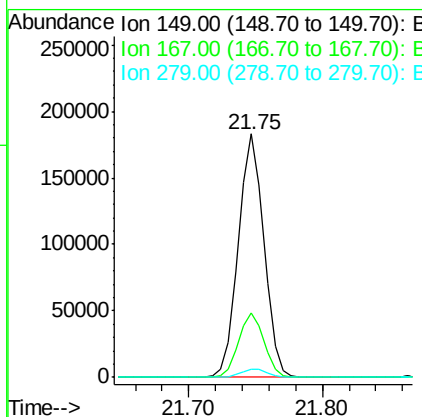
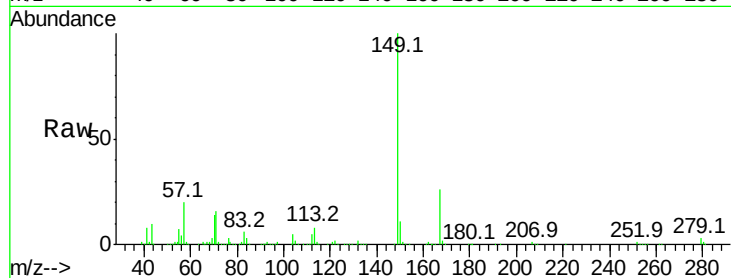
ClientSampleId :

PB88447BS

Tot Ion:	149	Resp:	242703
Ion Ratio	Lower	Upper	
149	100		
167	26.4	20.9	31.3
279	3.3	3.0	4.4

Manual Integrations
APPROVED

UMANGI
2/22/2016 10:55:40 AM



#84

Di-n-octyl phthalate

Concen: 40.99 ng

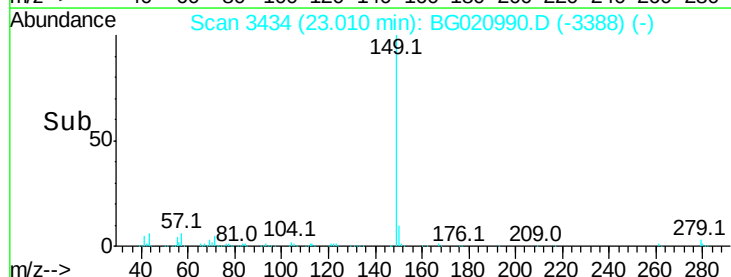
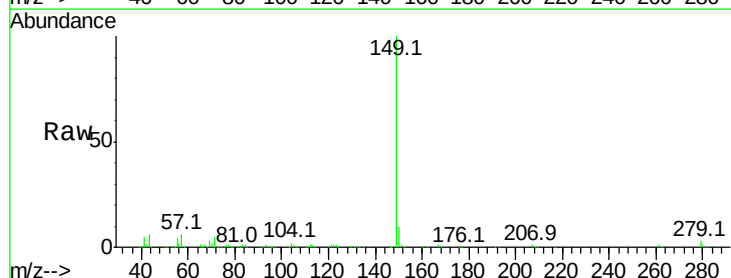
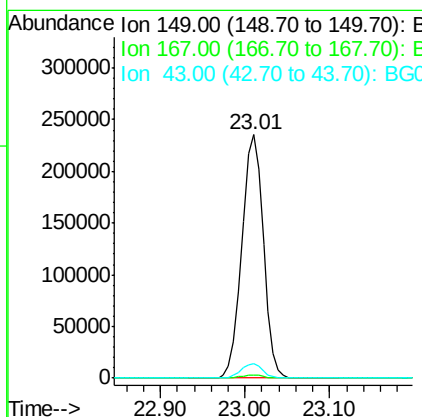
RT: 23.01 min Scan# 3434

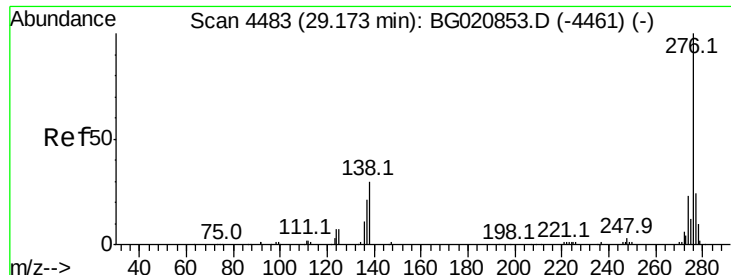
Delta R.T. -0.03 min

Lab File: BG020990.D

Acq: 20 Feb 2016 2:48

Tgt Ion:	149	Resp:	413476
Ion Ratio	Lower	Upper	
149	100		
167	1.5	1.2	1.8
43	5.9	5.1	7.7





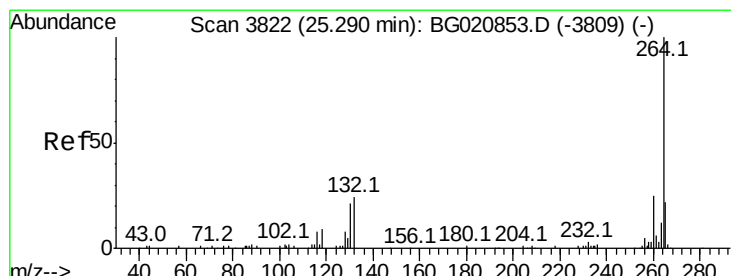
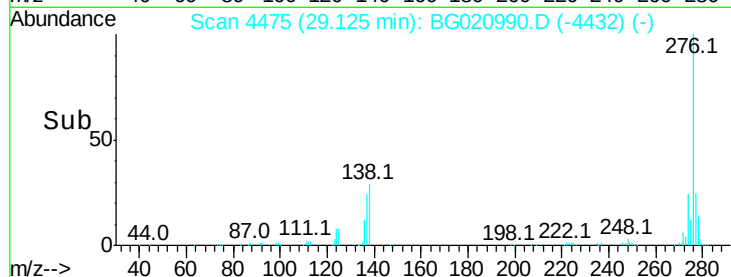
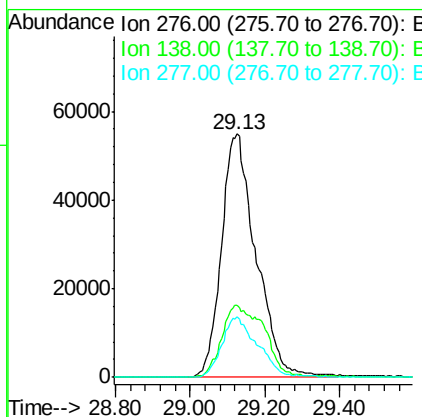
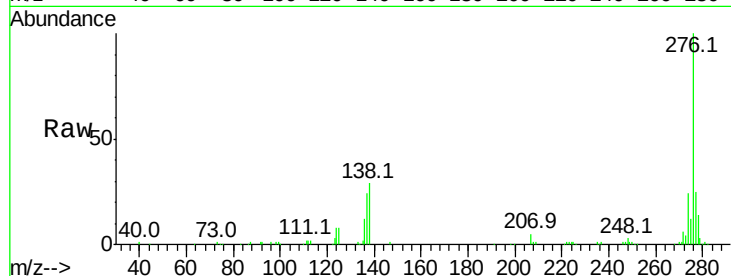
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 41.66 ng
 RT: 29.13 min Scan# 4475
 Delta R.T. -0.05 min
 Lab File: BG020990.D
 Acq: 20 Feb 2016 2:48

Instrument :
 BNA_G
 ClientSampleId :
 PB88447BS

Tot Ion	Ratio	Lower	Upper
276	100		
138	36.3	20.1	30.1#
277	25.3	20.5	30.7

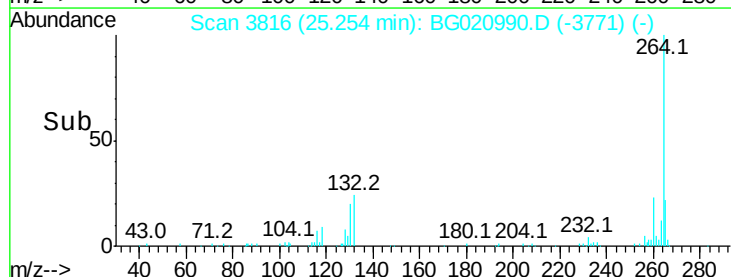
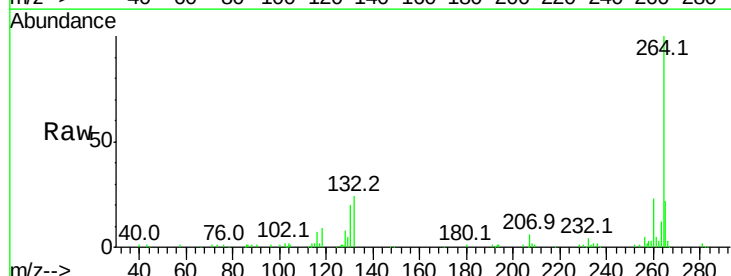
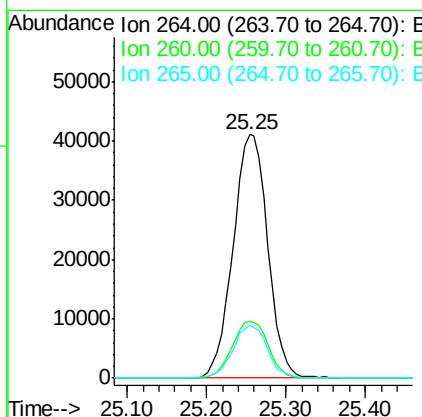
Manual Integrations
 APPROVED

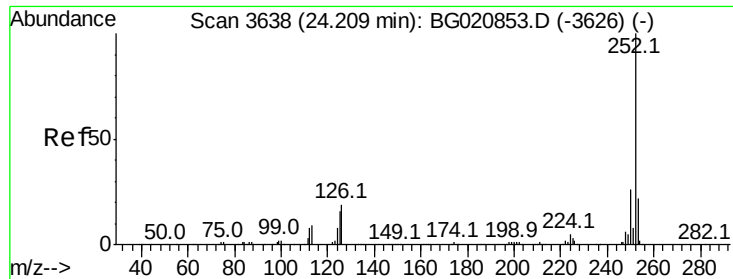
UMANGI
 2/22/2016 10:55:40 AM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 25.25 min Scan# 3816
 Delta R.T. -0.04 min
 Lab File: BG020990.D
 Acq: 20 Feb 2016 2:48

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.9	29.9
265	21.9	18.0	27.0





#87

Benzo(b)fluoranthene

Concen: 42.31 ng

RT: 24.18 min Scan# 3634

Delta R.T. -0.02 min

Lab File: BG020990.D

Acq: 20 Feb 2016 2:48

Instrument :

BNA_G

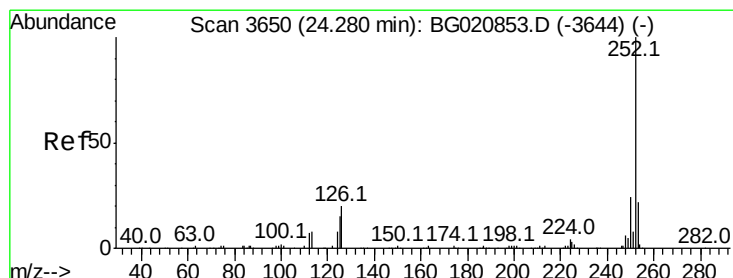
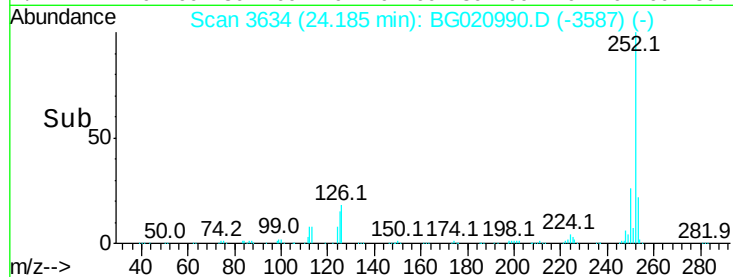
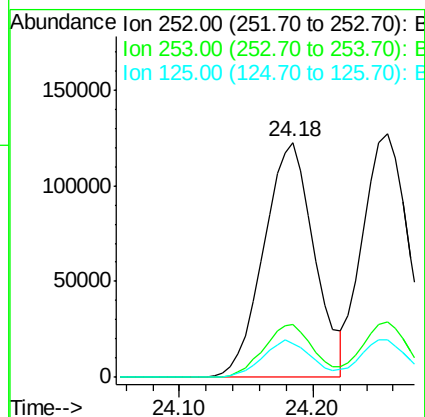
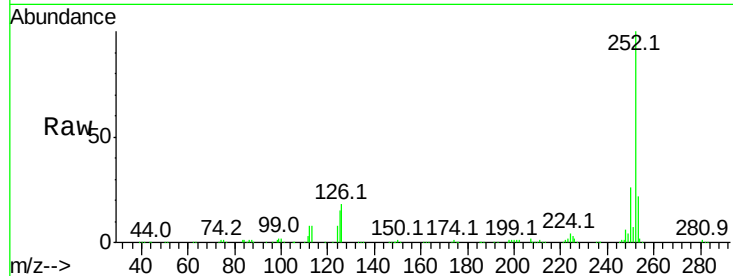
ClientSampleId :

PB88447BS

Tot Ion:	252	Resp:	321615
Ion Ratio		Lower	Upper
252	100		
253	22.3	17.5	26.3
125	14.6	12.5	18.7

Manual Integrations
APPROVED

UMANGI
2/22/2016 10:55:40 AM



#88

Benzo(k)fluoranthene

Concen: 40.15 ng

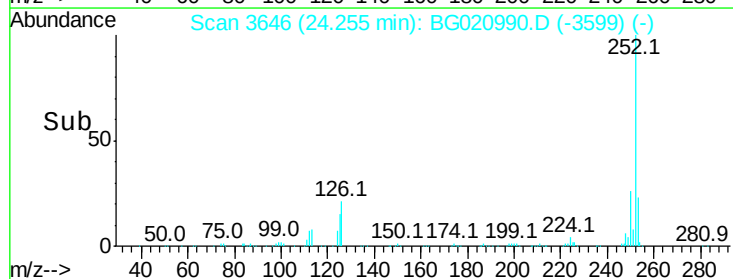
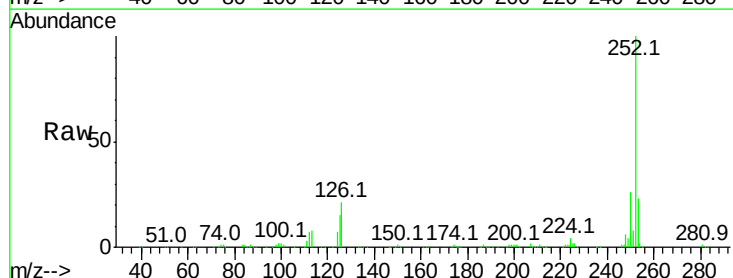
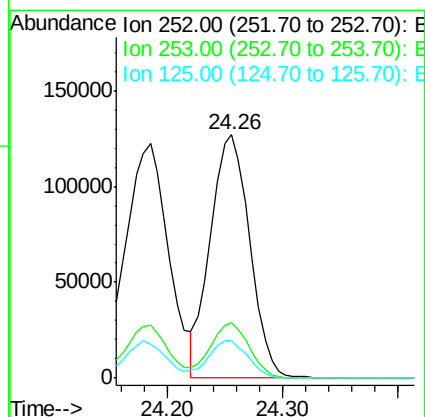
RT: 24.26 min Scan# 3646

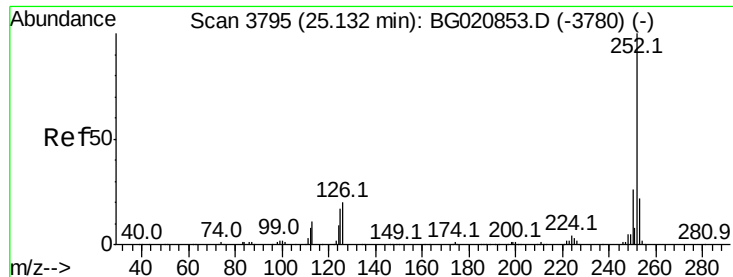
Delta R.T. -0.02 min

Lab File: BG020990.D

Acq: 20 Feb 2016 2:48

Tgt Ion:	252	Resp:	299043
Ion Ratio		Lower	Upper
252	100		
253	22.7	17.7	26.5
125	15.3	12.2	18.4





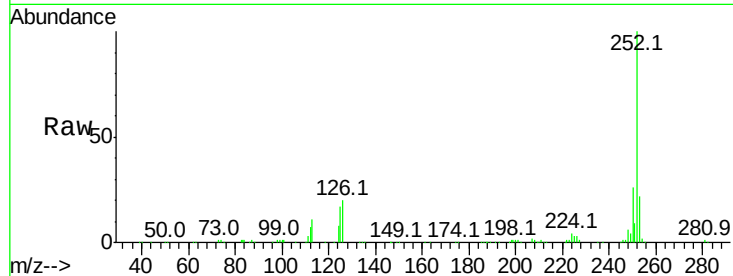
#89
Benzo(a)pyrene
Concen: 42.00 ng
RT: 25.10 min Scan# 3790
Delta R.T. -0.03 min
Lab File: BG020990.D
Acq: 20 Feb 2016 2:48

Instrument :
BNA_G
ClientSampled :
PB88447BS

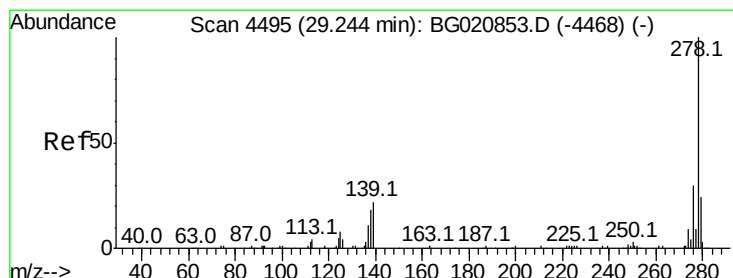
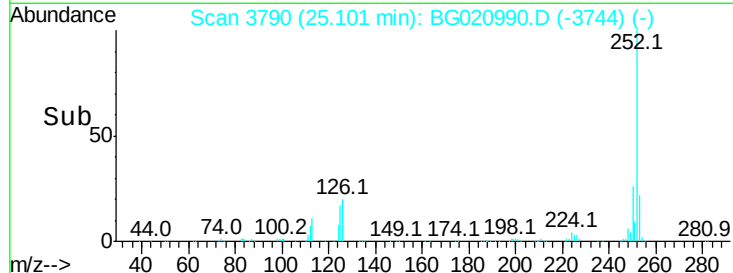
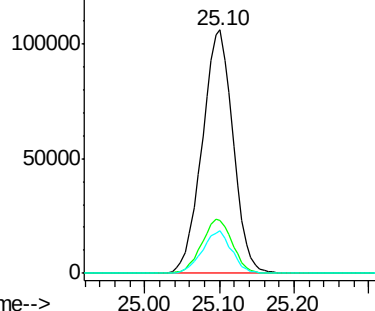
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.2
125	17.3	13.6	20.4

Manual Integrations
APPROVED

UMANGI
2/22/2016 10:55:40 AM



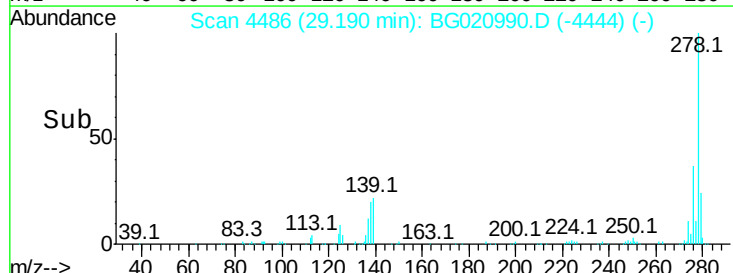
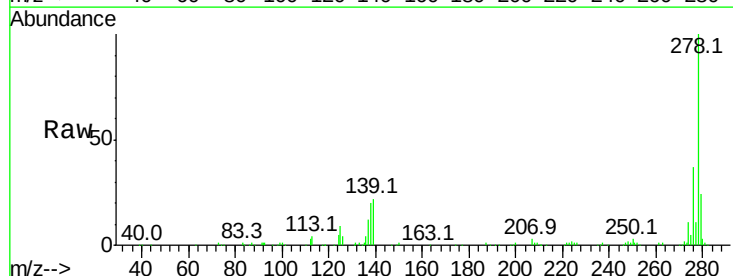
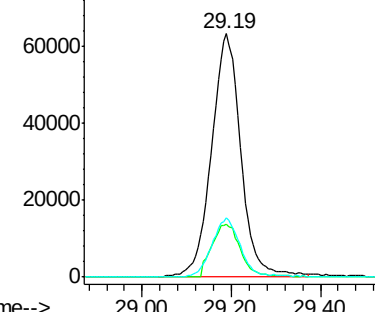
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

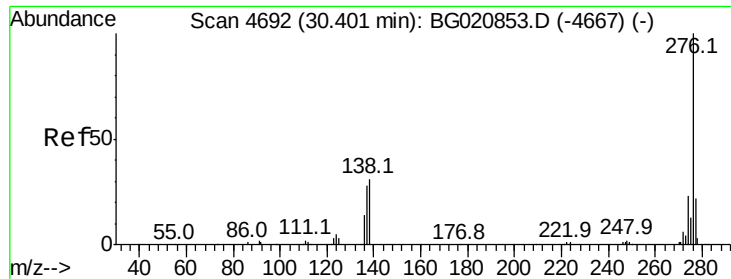


#90
Dibenzo(a,h)anthracene
Concen: 40.66 ng
RT: 29.19 min Scan# 4486
Delta R.T. -0.05 min
Lab File: BG020990.D
Acq: 20 Feb 2016 2:48

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.5	17.3	25.9
279	24.1	19.1	28.7

Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





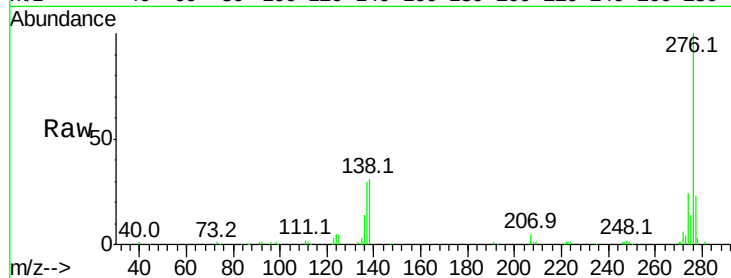
#91
 Benzo(a,h,i)perylene
 Concen: 39.27 ng
 RT: 30.34 min Scan# 4681
 Delta R.T. -0.07 min
 Lab File: BG020990.D
 Acq: 20 Feb 2016 2:48

Instrument :
 BNA_G
 ClientSampleId :
 PB88447BS

Tot Ion:	276	Resp:	274557
Ion Ratio	Lower	Upper	
276	100		
277	22.7	17.6	26.4
138	31.4	25.2	37.8

Manual Integrations
 APPROVED

UMANGI
 2/22/2016 10:55:40 AM



Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 277.00 (276.70 to 277.70): E
 Ion 138.00 (137.70 to 138.70): E

