

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121516\
 Data File : BG025244.D
 Acq On : 16 Dec 2016 12:21
 Operator : UM/SJ
 Sample : H5970-22
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DA861

Manual Integrations
 APPROVED

UMANGI
 12/16/2016 6:21:31 PM

Quant Time: Dec 16 14:04:03 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 16 05:54:49 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.24	152	80081	20.00	ng/ul	0.00
18) Naphthalene-d8	11.07	136	320323	20.00	ng/ul	0.01
35) Acenaphthene-d10	14.87	164	242969	20.00	ng/ul	0.02
61) Phenanthrene-d10	17.62	188	488763	20.00	ng/ul	0.02
75) Chrysene-d12	21.92	240	606632	20.00	ng/ul	0.03
83) Perylene-d12	25.37	264	540051	20.00	ng/ul	0.06

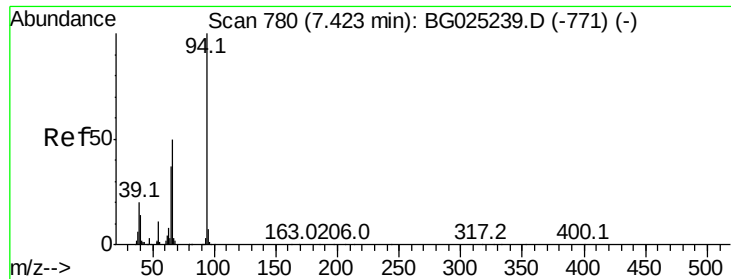
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.59	96	5411	3.49	ng/uL	0.00
5) Phenol-d5	7.40	99	181176	26.22	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	7.56	67	115656	27.06	ng/ul	0.00
9) 2-Chlorophenol-d4	7.77	132	127852	26.46	ng/ul	0.00
13) 4-Methylphenol-d8	8.95	113	151483	26.24	ng/ul	0.01
19) Nitrobenzene-d5	9.42	128	66370	29.26	ng/ul	0.00
22) 2-Nitrophenol-d4	10.15	143	77308	27.34	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.69	165	149706	27.53	ng/ul	0.02
29) 4-Chloroaniline-d4	11.21	131	56396	10.55	ng/ul	0.01
43) Dimethylphthalate-d6	14.26	166	484781	29.01	ng/ul	0.01
46) Acenaphthylene-d8	14.57	160	564241	30.82	ng/ul	0.02
51) 4-Nitrophenol-d4	15.07	143	15200	5.29	ng/ul	0.01
57) Fluorene-d10	15.86	176	475339	30.22	ng/ul	0.02
62) 4,6-Dinitro-2-methylphenol	16.00	200	87087	28.82	ng/ul	0.03
70) Anthracene-d10	17.72	188	690531	33.47	ng/ul	0.02
76) Pyrene-d10	19.99	212	824581	33.00	ng/ul	0.02
87) Benzo(a)pyrene-d12	25.13	264	771034	35.24	ng/ul	0.06

Target Compounds

					Ovalue
6) Phenol	7.43	94	38482	5.43 ng/ul	95
11) 2-Methylphenol	8.69	108	8386	1.61 ng/ul#	71
16) 4-Methylphenol	9.02	108	14922m	2.57 ng/ul	
24) 2,4-Dimethylphenol	10.24	107	58906	8.98 ng/ul#	45
28) Naphthalene	11.12	128	87694	5.89 ng/ul#	94
34) 2-Methylnaphthalene	12.71	142	234052	19.92 ng/ul	98
40) 1,1'-Biphenyl	13.70	154	56082	3.81 ng/ul#	82
44) Dimethylphthalate	14.31	163	224271	13.65 ng/ul#	92
49) Acenaphthene	14.93	153	127511	10.46 ng/ul#	81
53) Dibenzofuran	15.27	168	158793	8.23 ng/ul#	73
58) Fluorene	15.92	166	312514	19.91 ng/ul#	88
69) Phenanthrene	17.66	178	803116	34.43 ng/ul#	89
71) Anthracene	17.75	178	95114	3.97 ng/ul#	59
74) Fluoranthene	19.66	202	257993	9.31 ng/ul#	96
77) Pyrene	20.02	202	525600	18.02 ng/ul#	94
81) Bis(2-ethylhexyl)phthalate	21.73	149	100434	6.39 ng/ul#	61
88) Benzo(a)pyrene	25.21	252	81199	3.15 ng/ul#	58

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



#6

Phenol

Concen: 5.43 ng/ul

RT: 7.43 min Scan# 781

Delta R.T. 0.01 min

Lab File: BG025244.D

Acq: 16 Dec 2016 12:21

Instrument :

BNA_G

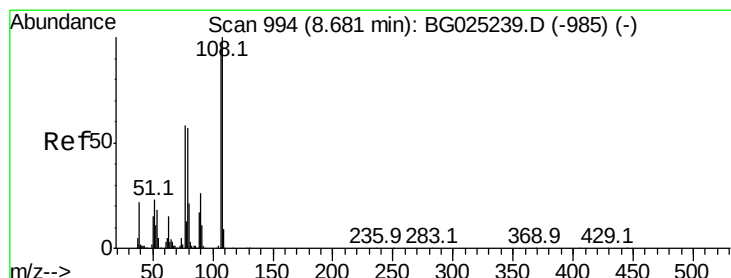
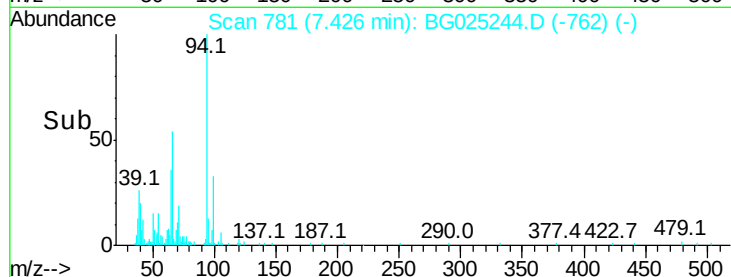
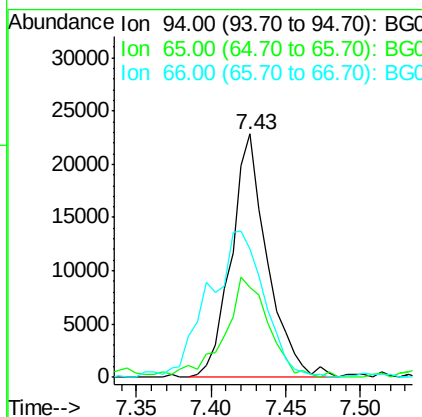
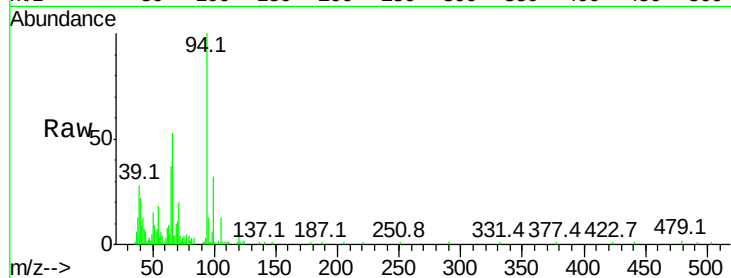
ClientSampleId :

DA861

Tot Ion:	94	Resp:	38482
Ion Ratio	Lower	Upper	
94	100		
65	36.9	26.8	40.2
66	52.5	44.4	66.6

Manual Integrations
APPROVED

UMANGI
12/16/2016 6:21:31 PM



#11

2-Methylphenol

Concen: 1.61 ng/ul

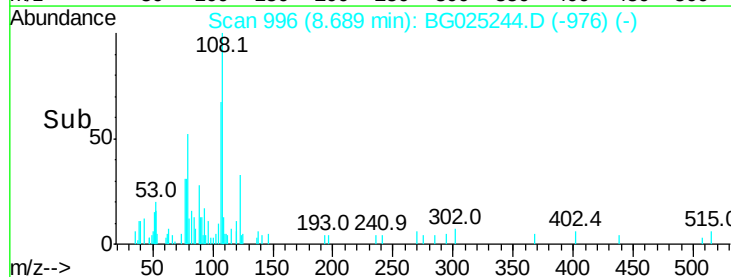
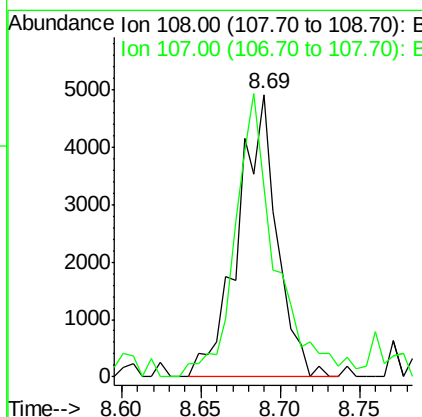
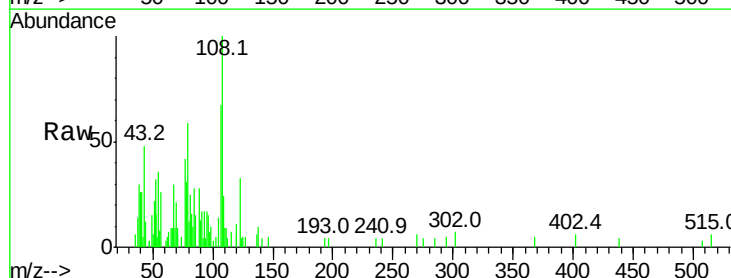
RT: 8.69 min Scan# 996

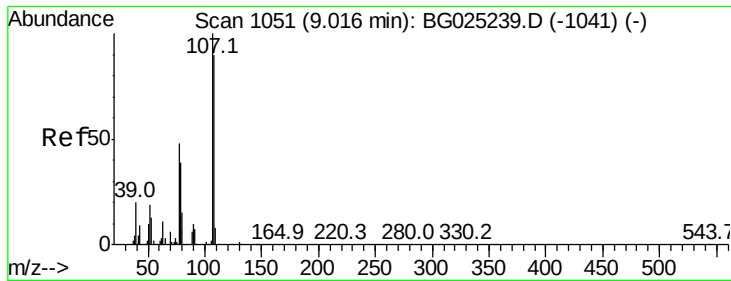
Delta R.T. 0.02 min

Lab File: BG025244.D

Acq: 16 Dec 2016 12:21

Tgt Ion:	108	Resp:	8386
Ion Ratio	Lower	Upper	
108	100		
107	67.2	76.7	115.1#





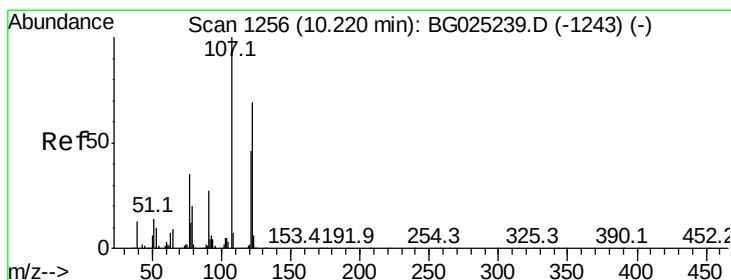
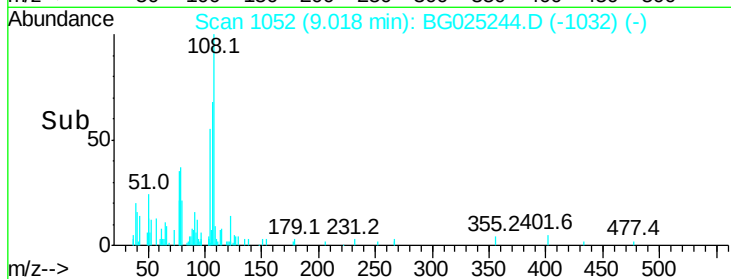
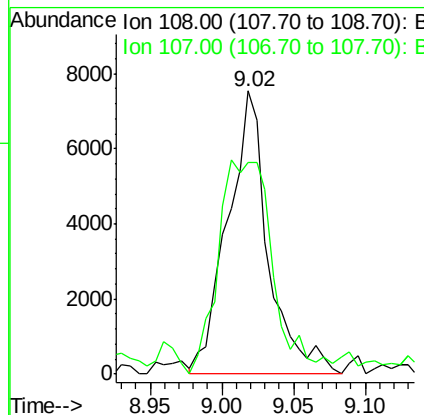
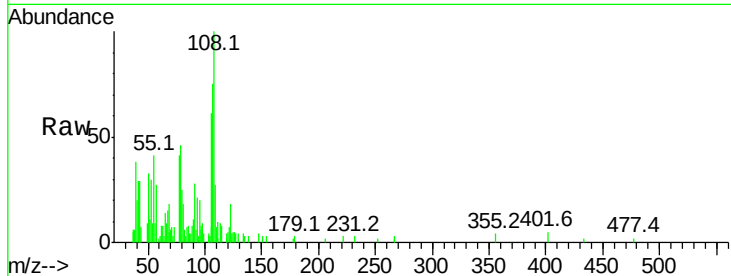
#16
4-Methylphenol
Concen: 2.57 ng/ul m
RT: 9.02 min Scan# 1052
Delta R.T. 0.02 min
Lab File: BG025244.D
Acq: 16 Dec 2016 12:21

Instrument :
BNA_G
ClientSampleId :
DA861

Tot Ion:108 Resp: 14922
Ion Ratio Lower Upper
108 100
107 74.7 91.7 137.5#

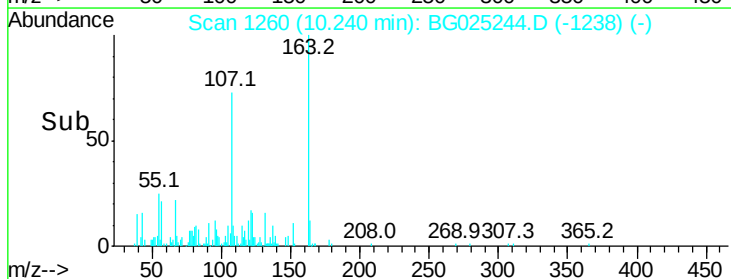
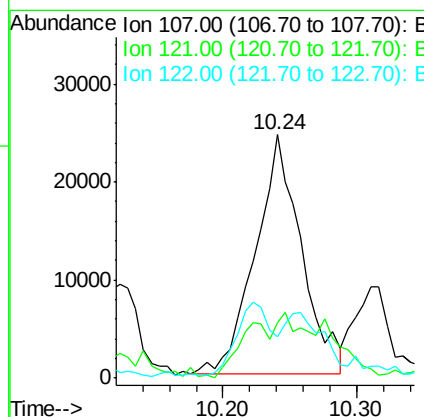
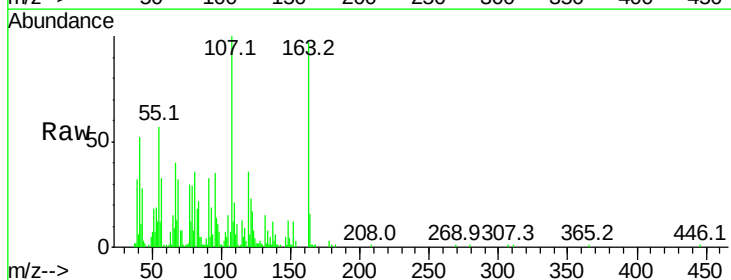
Manual Integrations
APPROVED

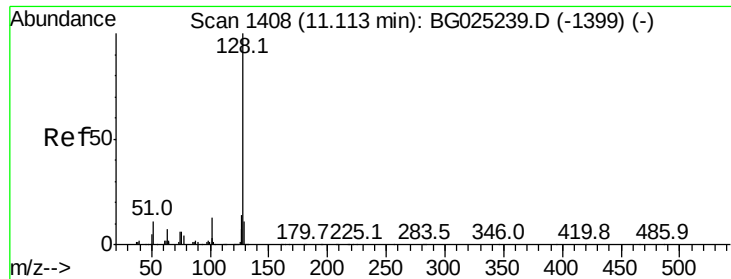
UMANGI
12/16/2016 6:21:31 PM



#24
2,4-Dimethylphenol
Concen: 8.98 ng/ul
RT: 10.24 min Scan# 1260
Delta R.T. 0.03 min
Lab File: BG025244.D
Acq: 16 Dec 2016 12:21

Tgt Ion:107 Resp: 58906
Ion Ratio Lower Upper
107 100
121 22.6 32.3 48.5#
122 17.0 61.2 91.8#





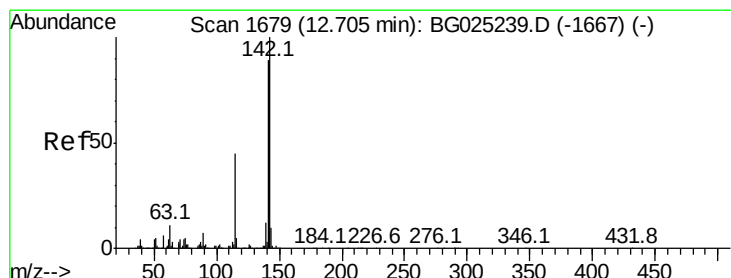
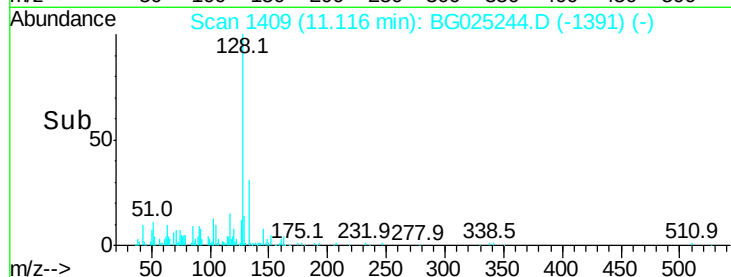
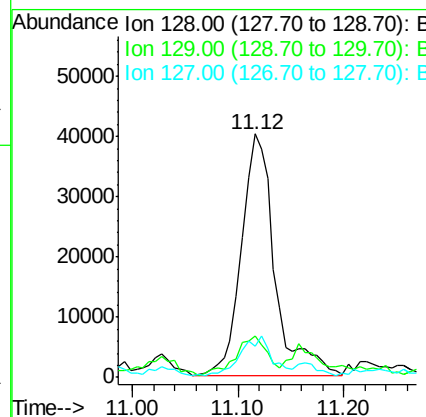
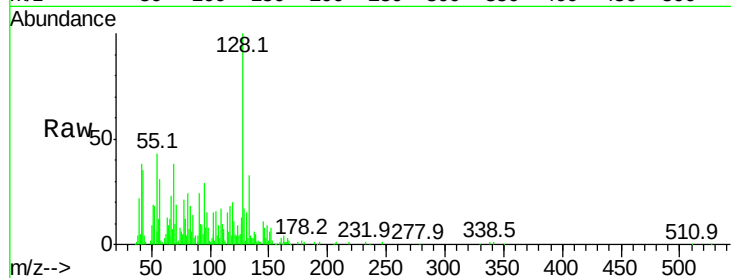
#28
Naphthalene
Concen: 5.89 ng/ul
RT: 11.12 min Scan# 1409
Delta R.T. 0.00 min
Lab File: BG025244.D
Acq: 16 Dec 2016 12:21

Instrument :
BNA_G
ClientSampled :
DA861

Tot Ion	Ratio	Lower	Upper
128	100		
129	16.7	9.4	14.2#
127	12.6	10.3	15.5

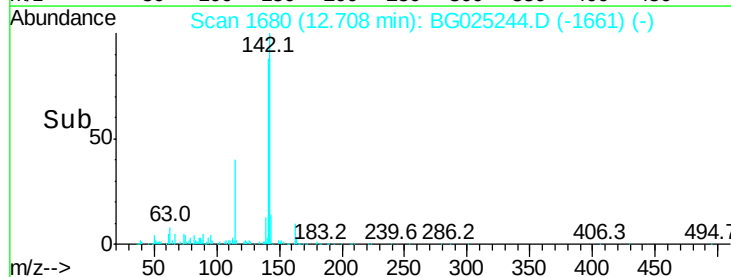
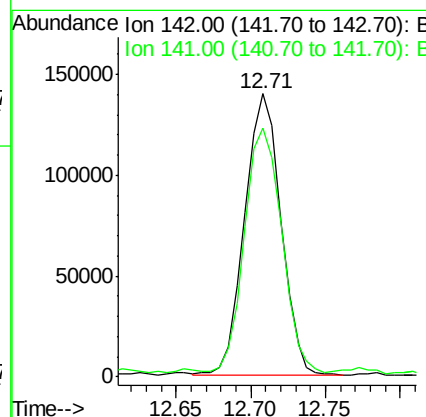
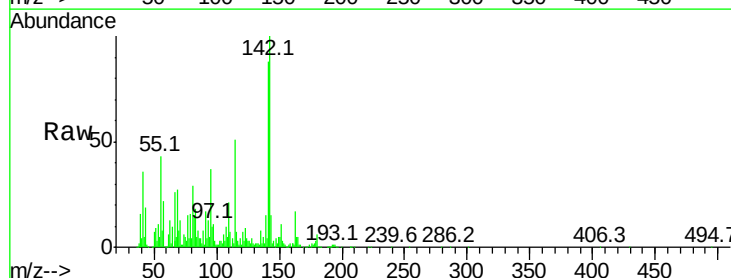
Manual Integrations
APPROVED

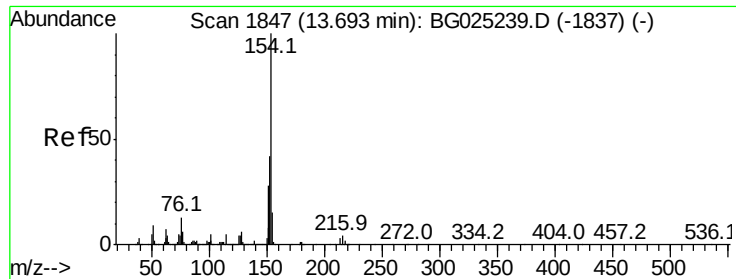
UMANGI
12/16/2016 6:21:31 PM



#34
2-Methylnaphthalene
Concen: 19.92 ng/ul
RT: 12.71 min Scan# 1680
Delta R.T. 0.01 min
Lab File: BG025244.D
Acq: 16 Dec 2016 12:21

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.8	68.6	102.8





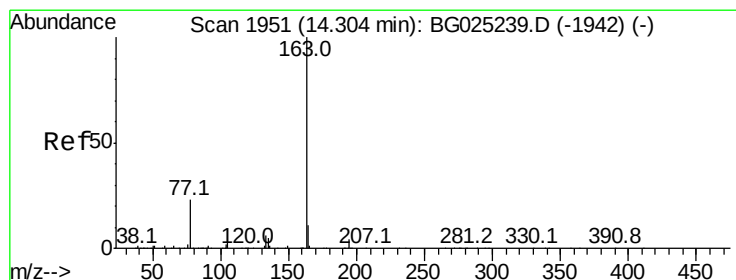
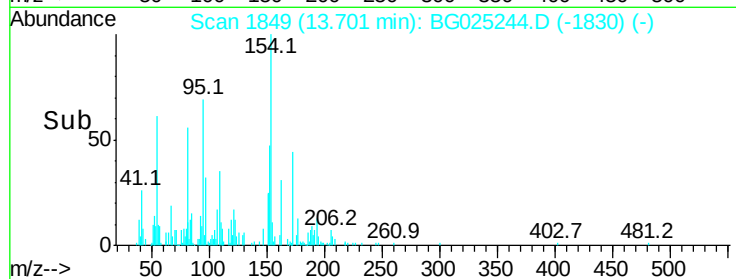
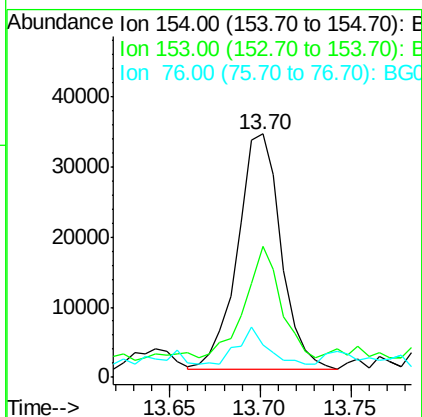
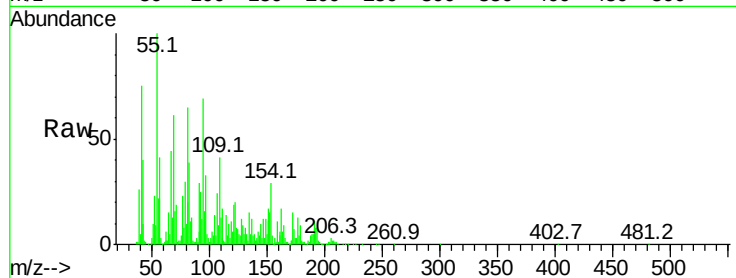
#40
1,1'-Biphenyl
Concen: 3.81 ng/ul
RT: 13.70 min Scan# 1849
Delta R.T. 0.01 min
Lab File: BG025244.D
Acq: 16 Dec 2016 12:21

Instrument :
BNA_G
ClientSampleId :
DA861

Tot Ion	Ratio	Lower	Upper
154	100		
153	53.7	32.2	48.2#
76	13.3	9.6	14.4

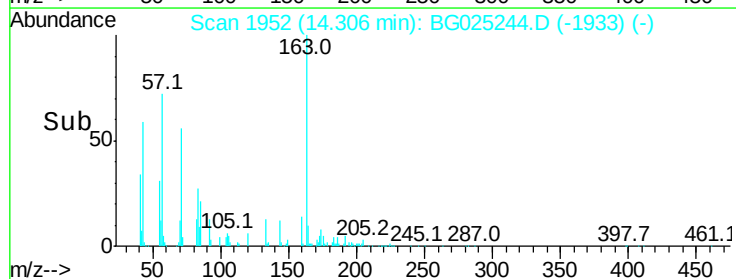
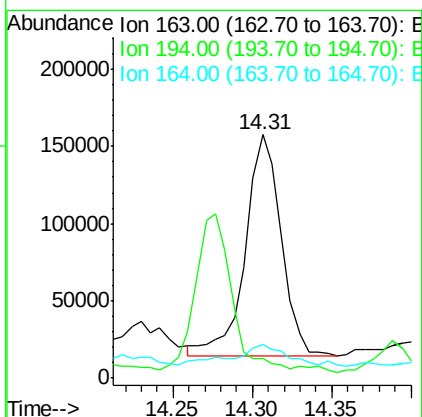
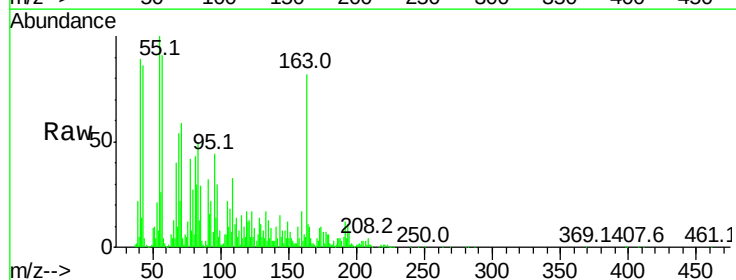
Manual Integrations
APPROVED

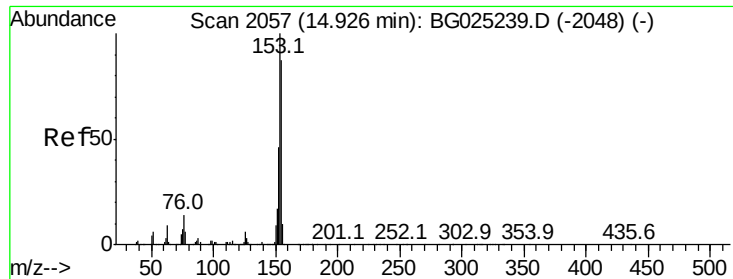
UMANGI
12/16/2016 6:21:31 PM



#44
Dimethylphthalate
Concen: 13.65 ng/ul
RT: 14.31 min Scan# 1952
Delta R.T. 0.01 min
Lab File: BG025244.D
Acq: 16 Dec 2016 12:21

Tgt Ion	Ratio	Lower	Upper
163	100		
194	8.3	3.4	5.0#
164	13.8	9.0	13.4#





#49

Acenaphthene

Concen: 10.46 ng/ul

RT: 14.93 min Scan# 2059

Delta R.T. 0.02 min

Lab File: BG025244.D

Acq: 16 Dec 2016 12:21

Instrument :

BNA_G

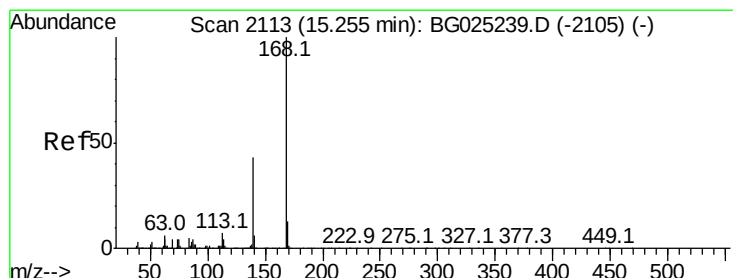
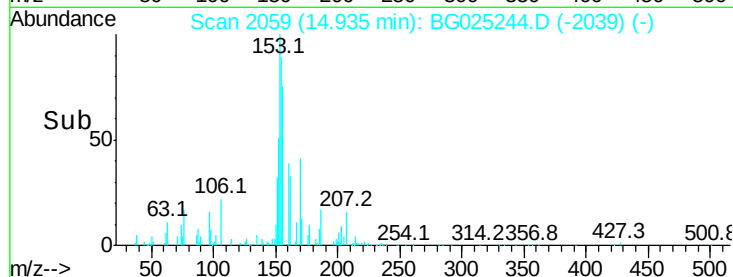
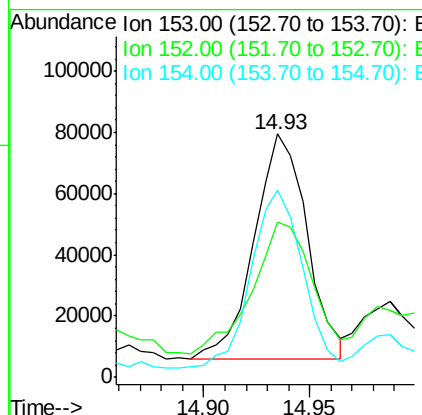
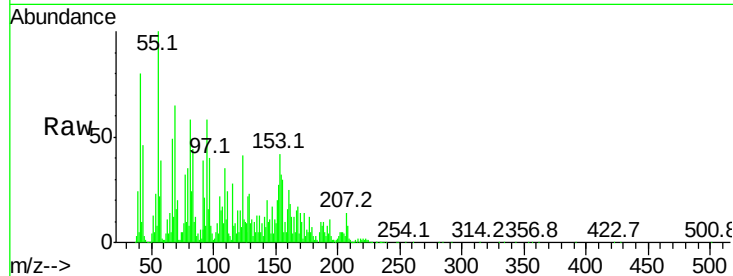
ClientSampleId :

DA861

Tot Ion	Ratio	Lower	Upper
153	100		
152	63.9	36.5	54.7#
154	76.9	72.3	108.5

Manual Integrations
APPROVED

UMANGI
12/16/2016 6:21:31 PM



#53

Dibenzofuran

Concen: 8.23 ng/ul

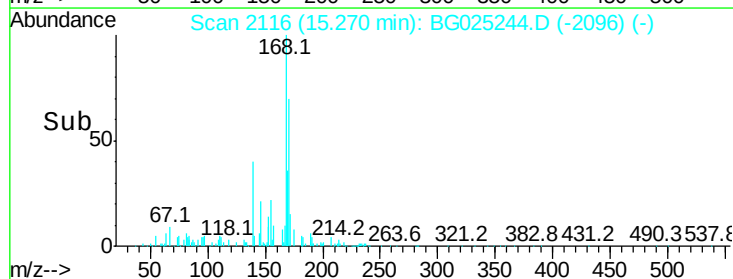
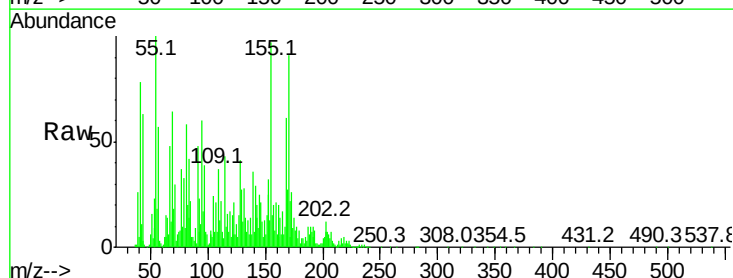
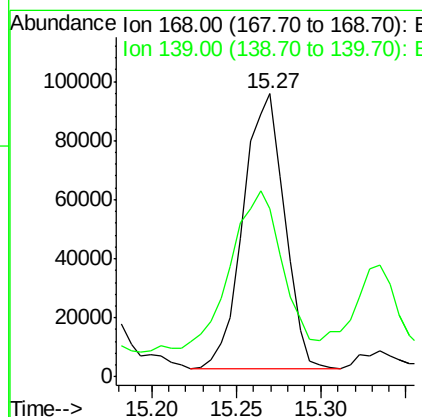
RT: 15.27 min Scan# 2116

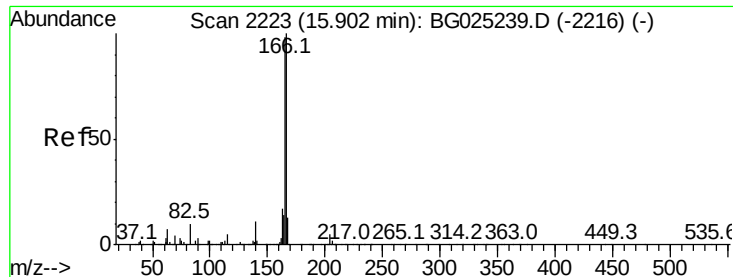
Delta R.T. 0.02 min

Lab File: BG025244.D

Acq: 16 Dec 2016 12:21

Tgt Ion	Ratio	Lower	Upper
168	100		
139	59.2	33.8	50.8#





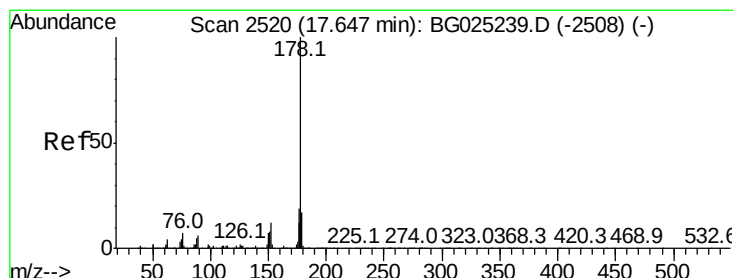
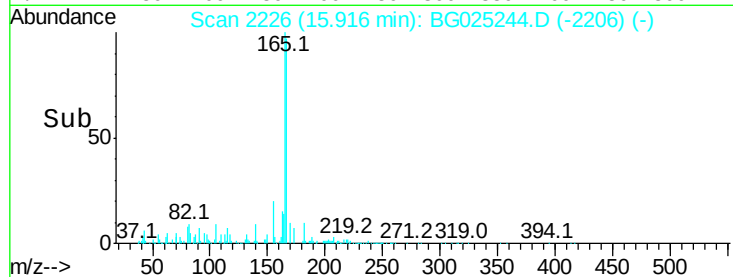
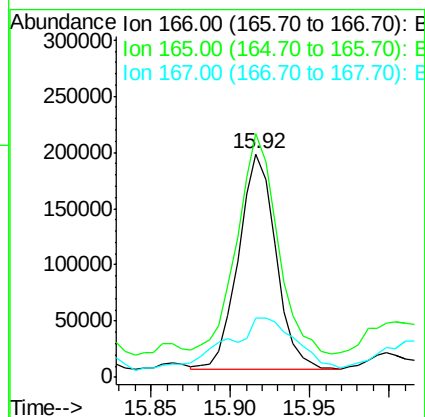
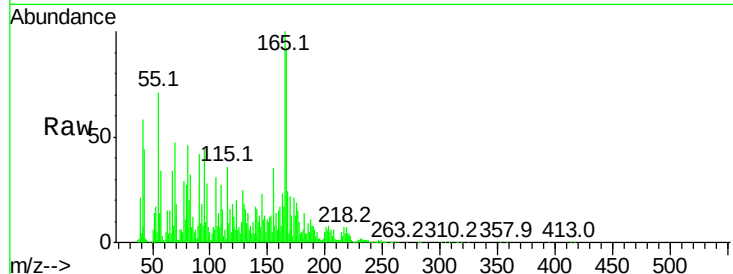
#58
 Fluorene
 Concen: 19.91 ng/ul
 RT: 15.92 min Scan# 2226
 Delta R.T. 0.02 min
 Lab File: BG025244.D
 Acq: 16 Dec 2016 12:21

Instrument :
 BNA_G
 ClientSampleID :
 DA861

Tot Ion:	166	Resp:	312514
Ion Ratio	Lower	Upper	
166	100		
165	109.0	79.7	119.5
167	26.6	11.4	17.2#

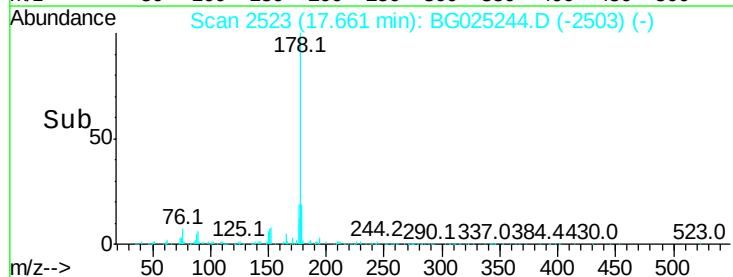
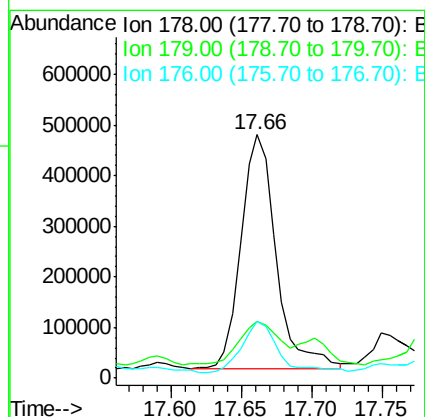
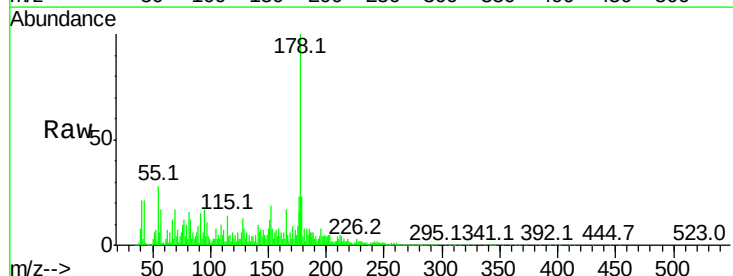
Manual Integrations
 APPROVED

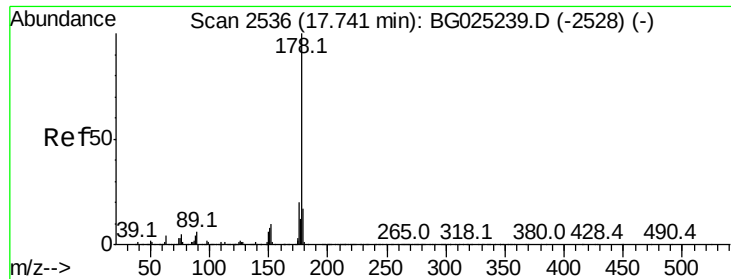
UMANGI
 12/16/2016 6:21:31 PM



#69
 Phenanthrene
 Concen: 34.43 ng/ul
 RT: 17.66 min Scan# 2523
 Delta R.T. 0.02 min
 Lab File: BG025244.D
 Acq: 16 Dec 2016 12:21

Tgt Ion:	178	Resp:	803116
Ion Ratio	Lower	Upper	
178	100		
179	23.1	12.4	18.6#
176	23.2	16.5	24.7





#71

Anthracene

Concen: 3.97 ng/ul

RT: 17.75 min Scan# 2538

Delta R.T. 0.02 min

Lab File: BG025244.D

Acq: 16 Dec 2016 12:21

Instrument :

BNA_G

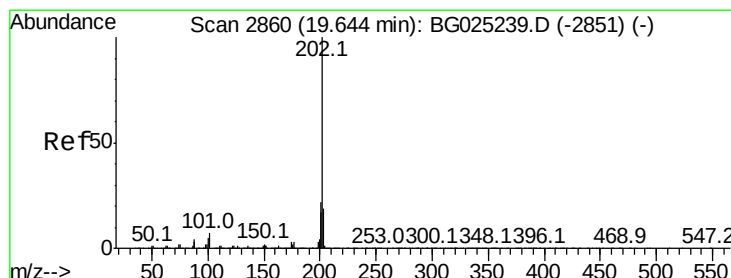
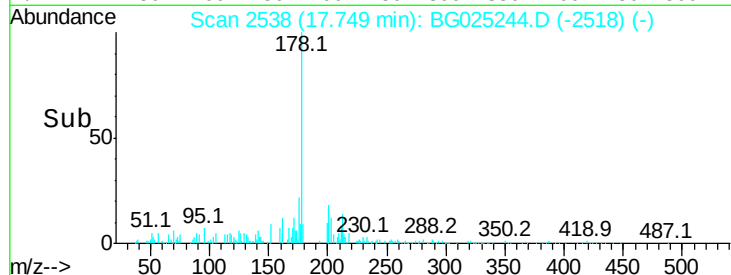
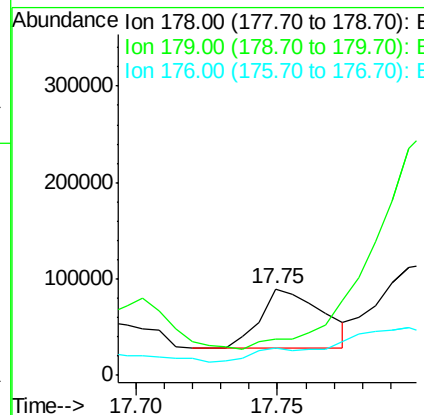
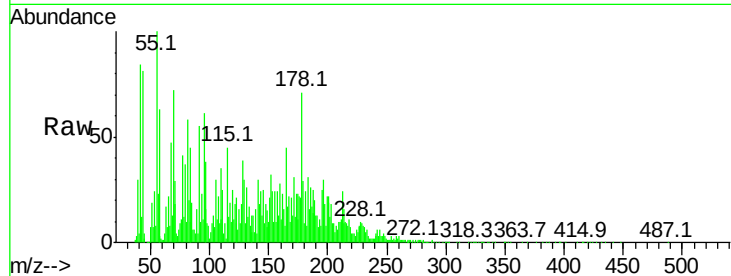
ClientSampleId :

DA861

Tot Ion	Ion	Ratio	Lower	Upper
178	100			
179	41.4	12.6	19.0#	
176	31.3	15.9	23.9#	

Manual Integrations
APPROVED

UMANGI
12/16/2016 6:21:31 PM



#74

Fluoranthene

Concen: 9.31 ng/ul

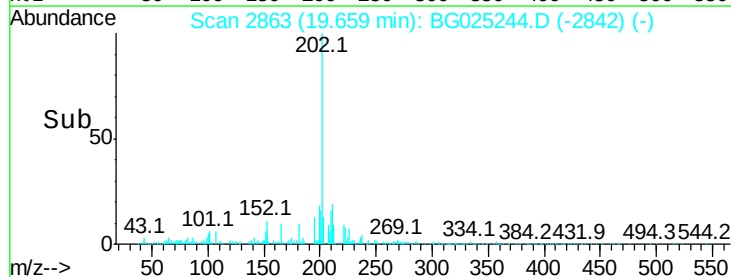
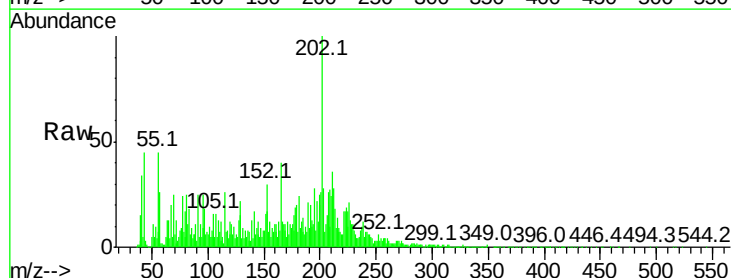
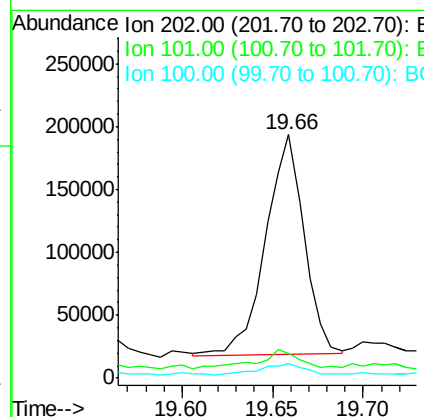
RT: 19.66 min Scan# 2863

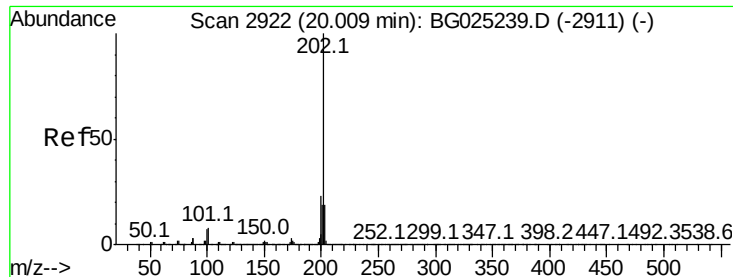
Delta R.T. 0.02 min

Lab File: BG025244.D

Acq: 16 Dec 2016 12:21

Tgt Ion	Ion	Ratio	Lower	Upper
202	100			
101	10.2	6.2	9.2#	
100	6.2	5.2	7.8	





#77

Pvrene

Concen: 18.02 ng/ul

RT: 20.02 min Scan# 2925

Delta R.T. 0.02 min

Lab File: BG025244.D

Acq: 16 Dec 2016 12:21

Instrument :

BNA_G

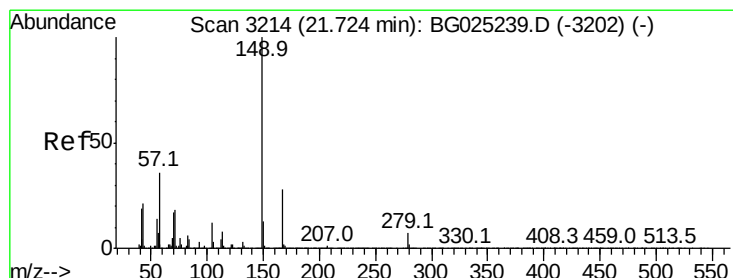
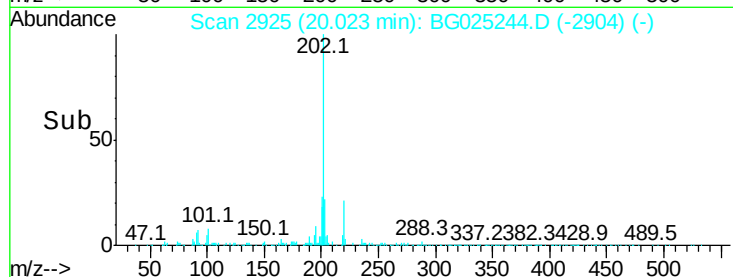
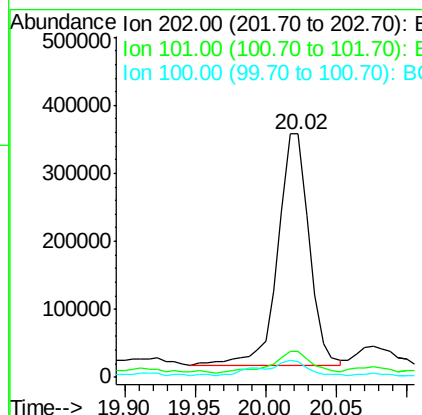
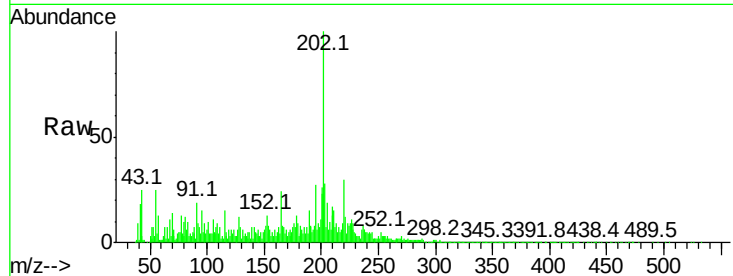
ClientSampleId :

DA861

Tot Ion:	202	Resp:	525600
Ion Ratio		Lower	Upper
202	100		
101	10.5	6.9	10.3#
100	6.2	6.6	10.0#

Manual Integrations
APPROVED

UMANGI
12/16/2016 6:21:31 PM



#81

Bis(2-ethylhexyl)phthalate

Concen: 6.39 ng/ul

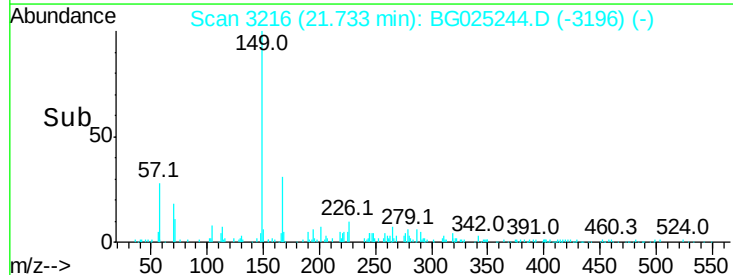
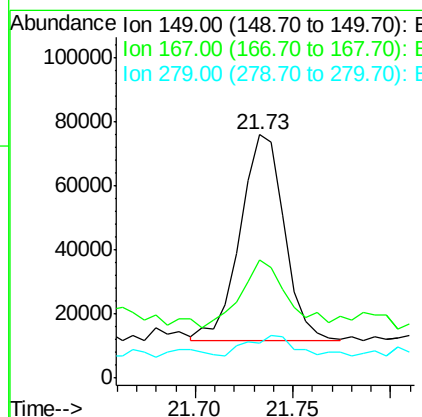
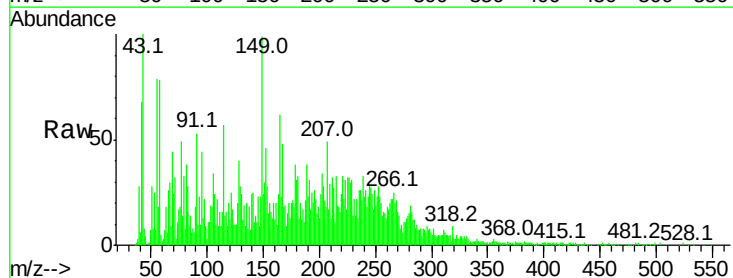
RT: 21.73 min Scan# 3216

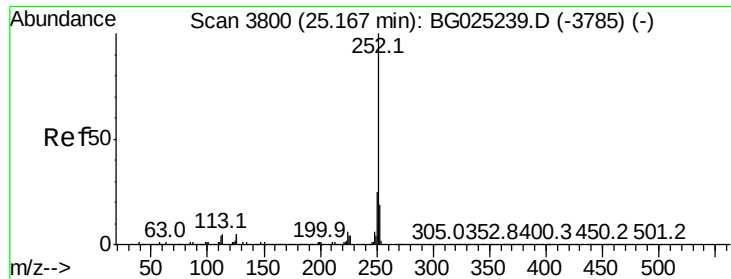
Delta R.T. 0.02 min

Lab File: BG025244.D

Acq: 16 Dec 2016 12:21

Tgt Ion:	149	Resp:	100434
Ion Ratio		Lower	Upper
149	100		
167	48.7	21.8	32.8#
279	14.4	4.5	6.7#





#88

Benzo(a)pyrene

Concen: 3.15 ng/ul

RT: 25.21 min Scan# 3807

Delta R.T. 0.06 min

Lab File: BG025244.D

Acq: 16 Dec 2016 12:21

Instrument :

BNA_G

ClientSampleId :

DA861

Tot Ion:	252	Resp:	81199
Ion Ratio	Lower	Upper	
252	100		
253	39.7	17.8	26.6#
125	27.1	5.4	8.0#

Manual Integrations
APPROVED

UMANGI
12/16/2016 6:21:31 PM

