

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121616\
 Data File : BG025253.D
 Acq On : 17 Dec 2016 00:32
 Operator : UM/SJ
 Sample : H6040-08MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DA8W1MSD

Manual Integrations
 APPROVED

umangi
 12/20/2016 10:48:40 AM

Quant Time: Dec 17 01:35:43 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Dec 17 00:22:48 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.23	152	76453	20.00	ng/ul	0.00
18) Naphthalene-d8	11.06	136	307812	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.86	164	234978	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.60	188	450962	20.00	ng/ul	0.00
75) Chrysene-d12	21.90	240	605028	20.00	ng/ul	0.00
83) Perylene-d12	25.33	264	647114	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.58	96	6089	4.11	ng/uL	0.00
5) Phenol-d5	7.40	99	153380	23.25	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.54	67	93883	23.01	ng/ul	0.00
9) 2-Chlorophenol-d4	7.77	132	110854	24.03	ng/ul	0.00
13) 4-Methylphenol-d8	8.95	113	133120	24.15	ng/ul	0.00
19) Nitrobenzene-d5	9.41	128	56887	26.10	ng/ul	0.00
22) 2-Nitrophenol-d4	10.14	143	67516	24.85	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.68	165	134701	25.78	ng/ul	0.00
29) 4-Chloroaniline-d4	11.22	131	20604	4.01	ng/ul	0.02
43) Dimethylphthalate-d6	14.25	166	421536	26.08	ng/ul	0.00
46) Acenaphthylene-d8	14.55	160	493147	27.85	ng/ul	0.00
51) 4-Nitrophenol-d4	15.10	143	74857	26.95	ng/ul	0.02
57) Fluorene-d10	15.85	176	368646	24.23	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.98	200	90155	32.33	ng/ul	0.00
70) Anthracene-d10	17.70	188	523404	27.50	ng/ul	0.00
76) Pyrene-d10	19.98	212	645668	25.91	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.10	264	704004	26.85	ng/ul	0.02

Target Compounds

						Ovalue
6) Phenol	7.42	94	179716	26.55	ng/ul#	90
10) 2-Chlorophenol	7.80	128	103305	22.28	ng/ul	89
15) N-Nitroso-di-n-propylamine	9.04	70	113384	23.40	ng/ul#	84
28) Naphthalene	11.11	128	25776	1.80	ng/ul#	92
33) 4-Chloro-3-methylphenol	12.34	107	146848	23.48	ng/ul	99
34) 2-Methylnaphthalene	12.70	142	28888	2.56	ng/ul	99
44) Dimethylphthalate	14.29	163	129959	8.18	ng/ul#	98
49) Acenaphthene	14.92	153	314186	26.65	ng/ul	99
52) 4-Nitrophenol	15.11	109	92244	27.61	ng/ul	96
53) Dibenzofuran	15.25	168	24414	1.31	ng/ul	90
54) 2,4-Dinitrotoluene	15.23	165	129625	25.20	ng/ul#	98
68) Pentachlorophenol	17.26	266	106318	30.87	ng/ul	90
69) Phenanthrene	17.64	178	153133	7.11	ng/ul	97
71) Anthracene	17.74	178	23323	1.05	ng/ul#	89
74) Fluoranthene	19.64	202	122726	4.80	ng/ul#	94
77) Pyrene	20.01	202	931960	32.04	ng/ul	96
80) Benzo(a)anthracene	21.88	228	138818	4.42	ng/ul#	83
81) Bis(2-ethylhexyl)phthalate	21.72	149	47769	3.05	ng/ul#	64
82) Chrysene	21.95	228	180810	6.15	ng/ul#	86
85) Benzo(b)fluoranthene	24.23	252	152256m	4.74	ng/ul	
86) Benzo(k)fluoranthene	24.29	252	54891m	1.80	ng/ul	
88) Benzo(a)pyrene	25.18	252	120853	3.92	ng/ul#	85
89) Indeno(1,2,3-cd)pyrene	29.29	276	96929m	2.53	ng/ul	

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121616\
Data File : BG025253.D
Acq On : 17 Dec 2016 00:32
Operator : UM/SJ
Sample : H6040-08MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DA8W1MSD

Manual Integrations
APPROVED

umangi
12/20/2016 10:48:40 AM

Quant Time: Dec 17 01:35:43 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 17 00:22:48 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Benzo(q,h,i)perylene	30.54	276	103820m	3.24	ng/ul	

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

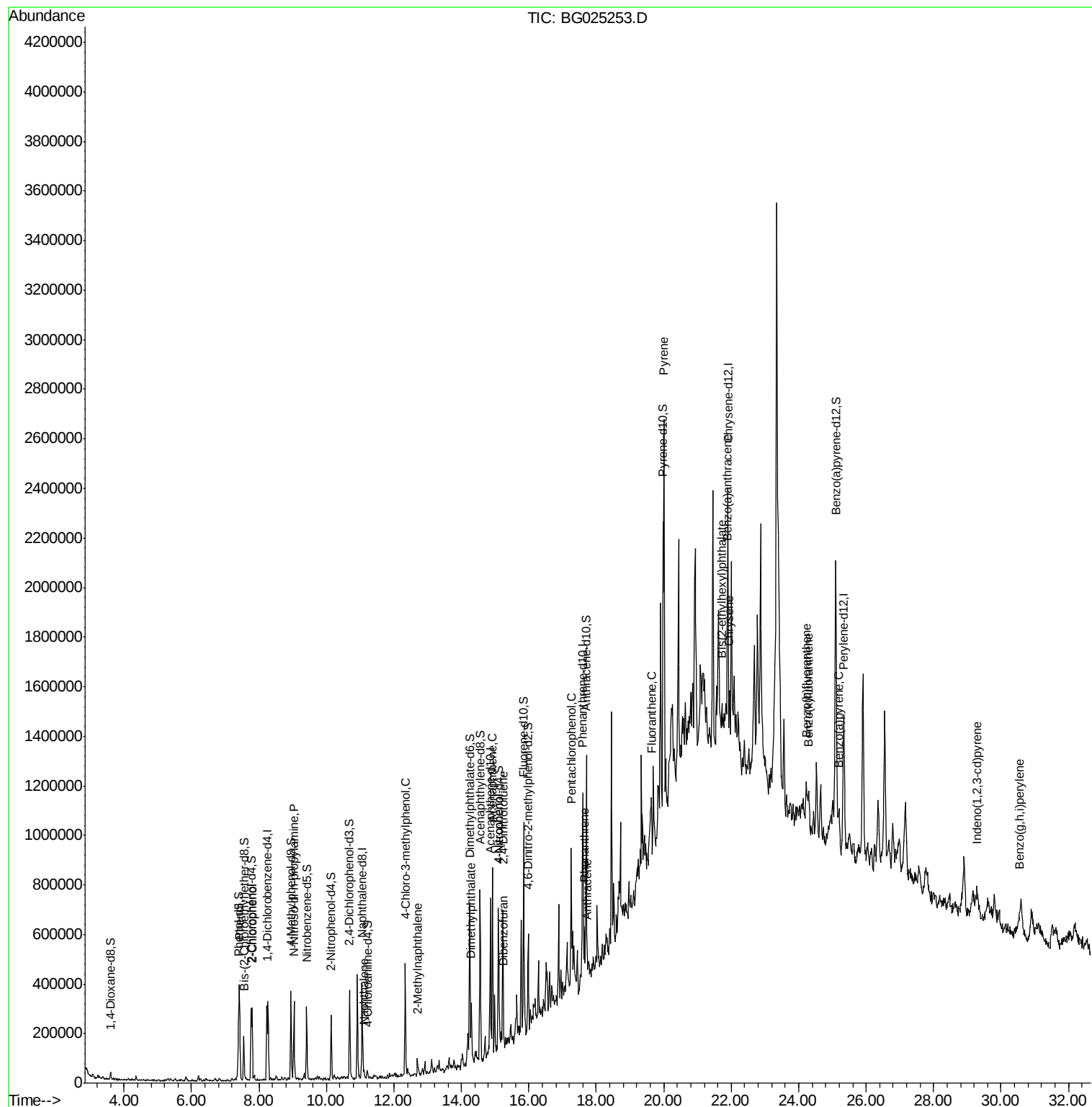
Data Path : Z:\HPCHEM1\BNA G\DATA\BG121616\
Data File : BG025253.D
Acq On : 17 Dec 2016 00:32
Operator : UM/SJ
Sample : H6040-08MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

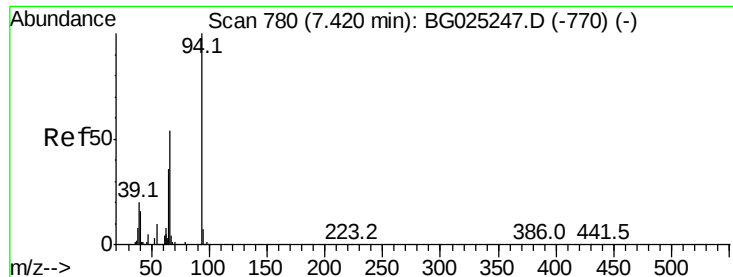
Instrument :
BNA_G
ClientSampleId :
DA8W1MSD

Manual Integrations
APPROVED

umangi
12/20/2016 10:48:40 AM

Quant Time: Dec 17 01:35:43 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 17 00:22:48 2016
Response via : Initial Calibration





#6

Phenol

Concen: 26.55 ng/ul

RT: 7.42 min Scan# 780

Delta R.T. 0.00 min

Lab File: BG025253.D

Acq: 17 Dec 2016 00:32

Instrument :

BNA_G

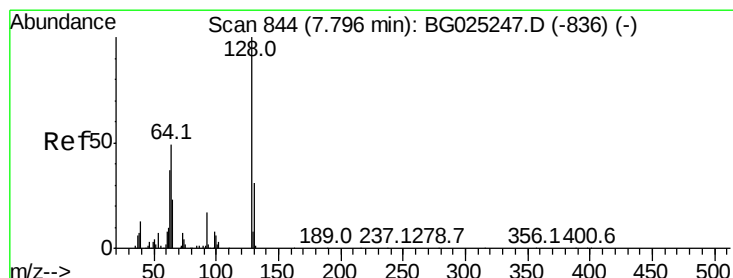
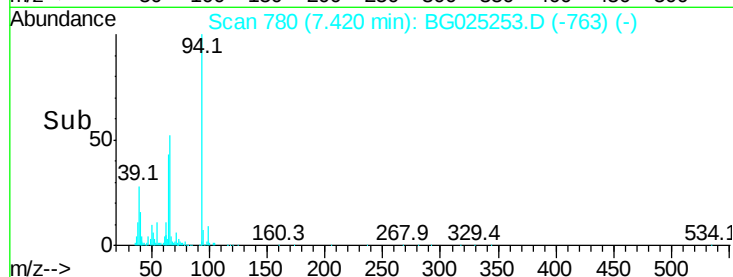
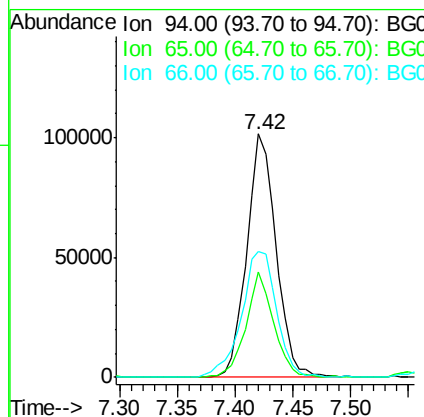
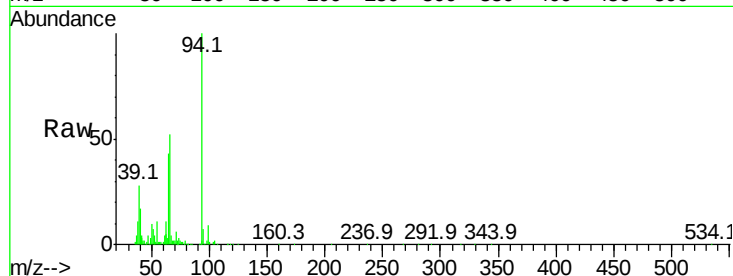
ClientSampleId :

DA8W1MSD

Tot Ion:	94	Resp:	179716
Ion Ratio	Lower	Upper	
94	100		
65	43.3	26.8	40.2#
66	51.6	44.4	66.6

Manual Integrations
APPROVED

umangi
12/20/2016 10:48:40 AM



#10

2-Chlorophenol

Concen: 22.28 ng/ul

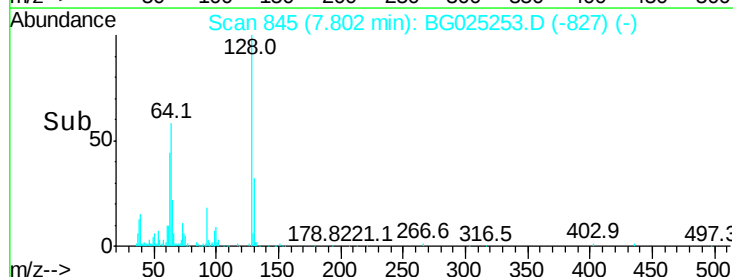
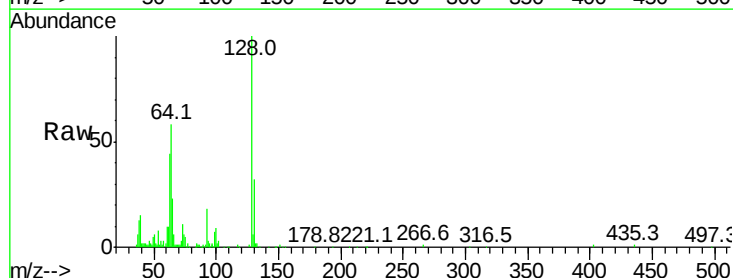
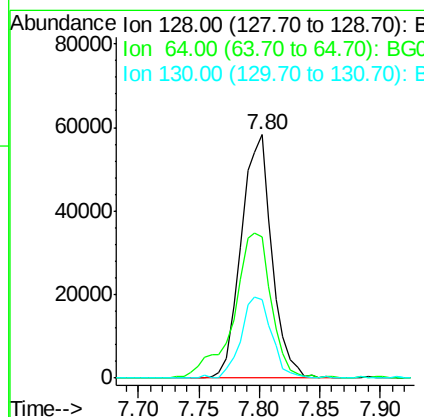
RT: 7.80 min Scan# 845

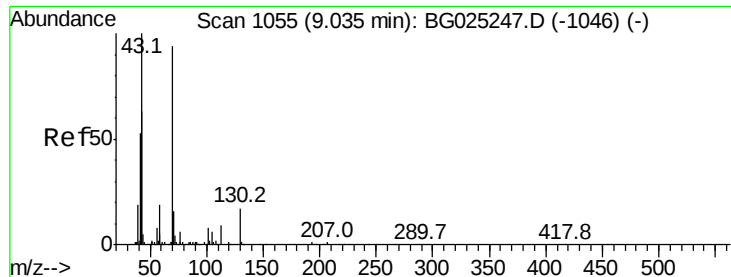
Delta R.T. 0.01 min

Lab File: BG025253.D

Acq: 17 Dec 2016 00:32

Tgt Ion:	128	Resp:	103305
Ion Ratio	Lower	Upper	
128	100		
64	57.9	56.3	84.5
130	32.1	26.7	40.1





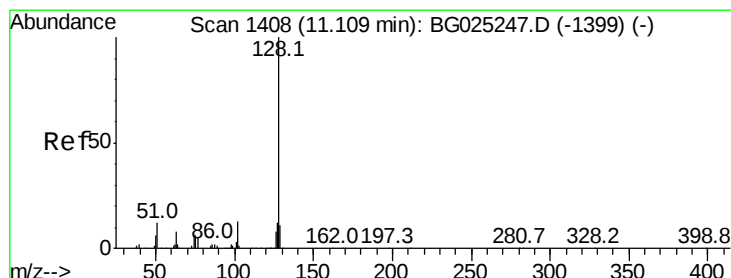
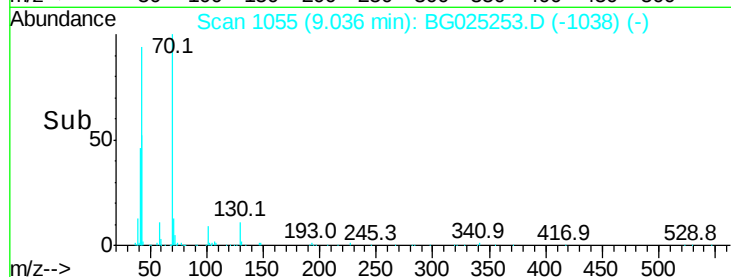
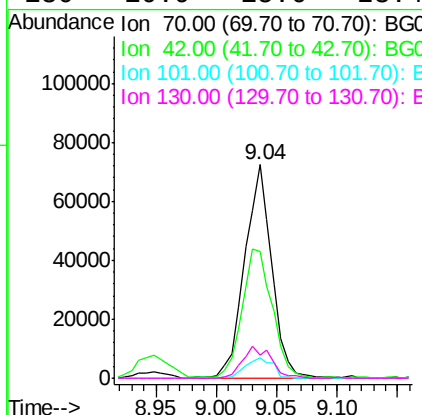
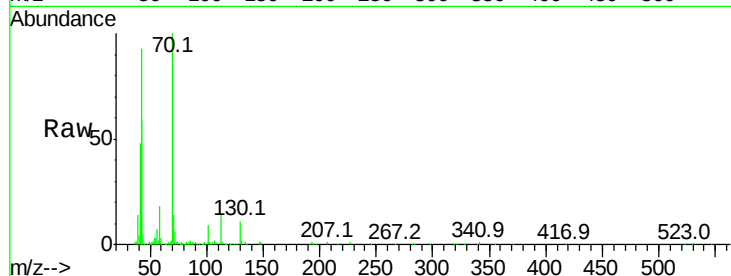
#15
N-Nitroso-di-n-propylamine
Concen: 23.40 ng/ul
RT: 9.04 min Scan# 1055
Delta R.T. 0.00 min
Lab File: BG025253.D
Acq: 17 Dec 2016 00:32

Instrument :
BNA_G
ClientSampleId :
DA8W1MSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	59.3	59.0	88.6
101	9.5	6.6	9.8
130	10.9	15.6	23.4#

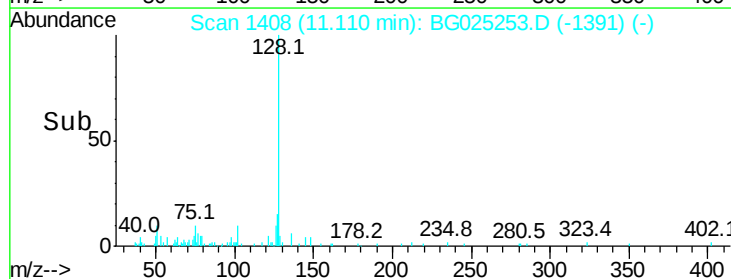
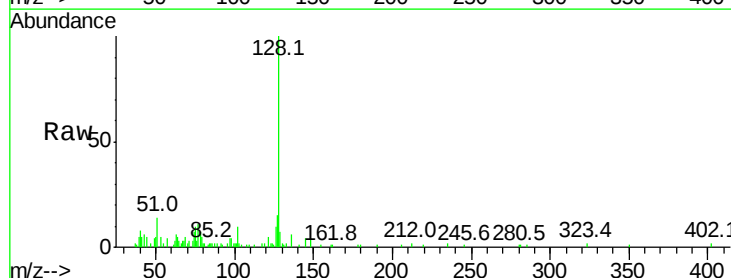
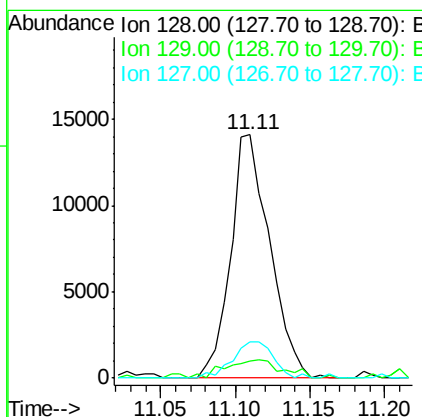
Manual Integrations
APPROVED

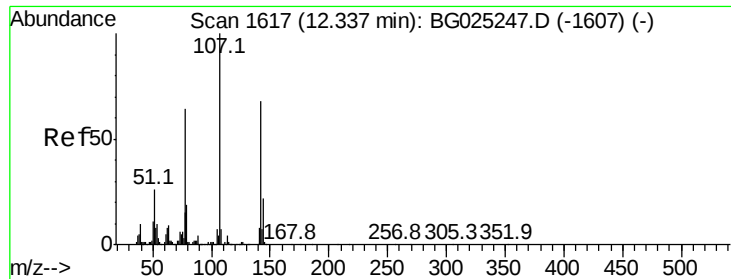
umangi
12/20/2016 10:48:40 AM



#28
Naphthalene
Concen: 1.80 ng/ul
RT: 11.11 min Scan# 1408
Delta R.T. 0.00 min
Lab File: BG025253.D
Acq: 17 Dec 2016 00:32

Tgt Ion	Ratio	Lower	Upper
128	100		
129	7.0	9.4	14.2#
127	14.8	10.3	15.5





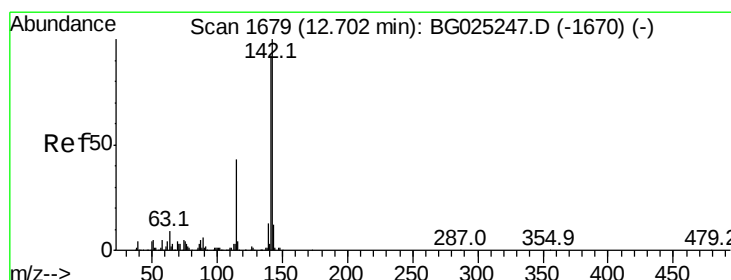
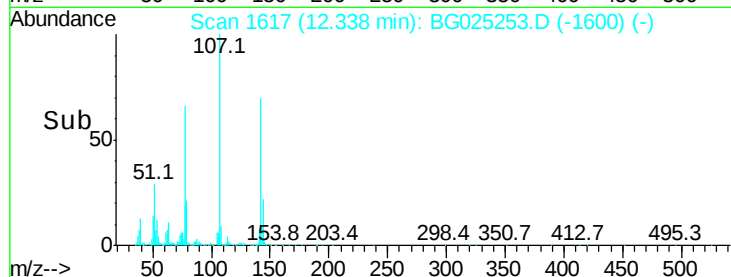
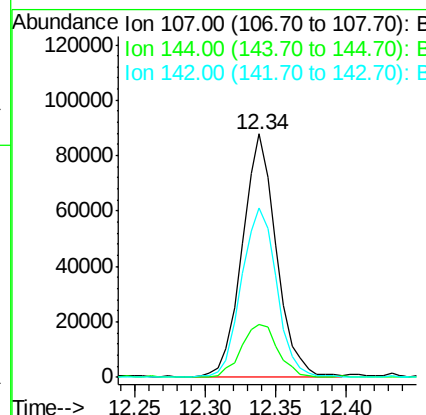
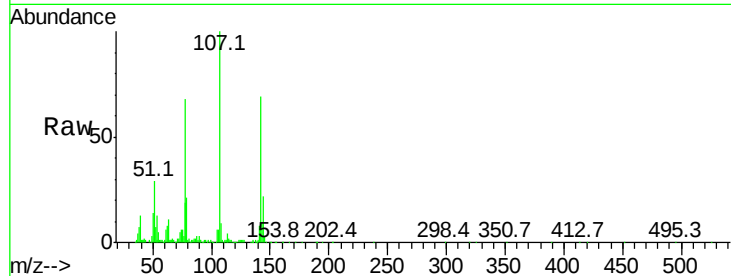
#33
 4-Chloro-3-methylphenol
 Concen: 23.48 ng/ul
 RT: 12.34 min Scan# 1617
 Delta R.T. 0.00 min
 Lab File: BG025253.D
 Acq: 17 Dec 2016 00:32

Instrument :
 BNA_G
 ClientSampleId :
 DA8W1MSD

Tot Ion	Ratio	Lower	Upper
107	100		
144	21.6	18.2	27.4
142	69.3	55.0	82.4

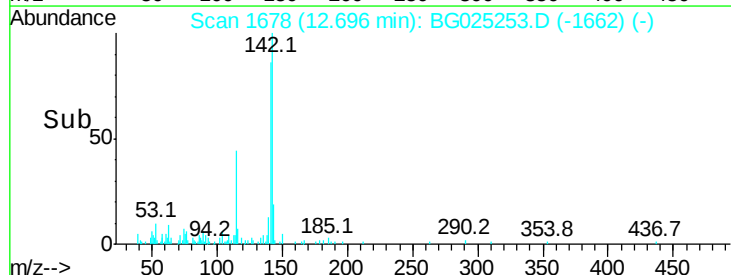
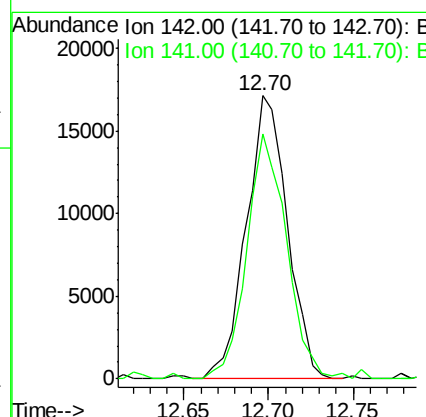
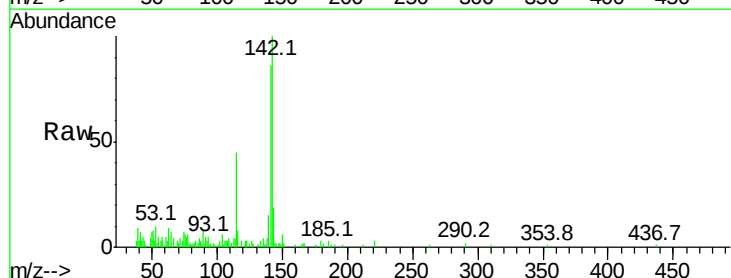
Manual Integrations
 APPROVED

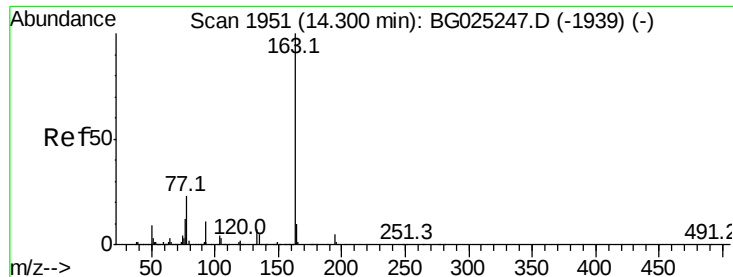
umangi
 12/20/2016 10:48:40 AM



#34
 2-Methylnaphthalene
 Concen: 2.56 ng/ul
 RT: 12.70 min Scan# 1678
 Delta R.T. -0.01 min
 Lab File: BG025253.D
 Acq: 17 Dec 2016 00:32

Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.4	68.6	102.8





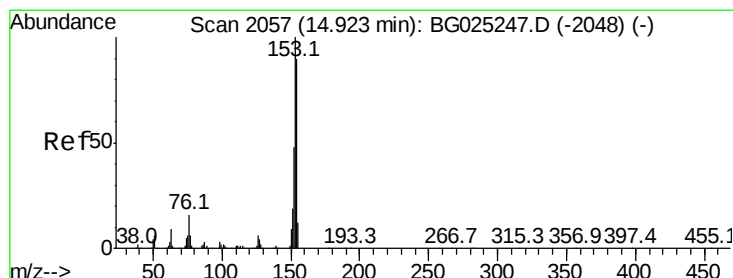
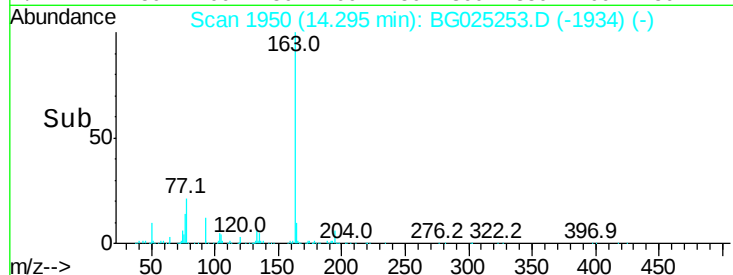
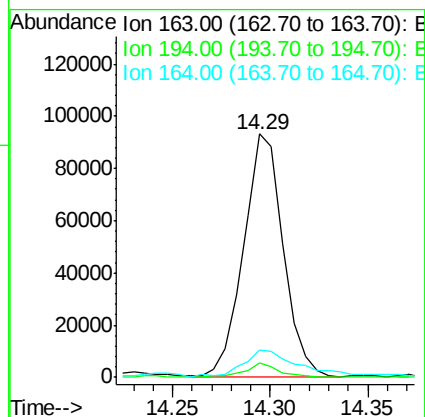
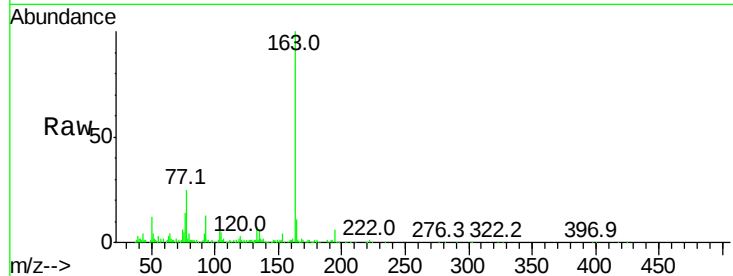
#44
Dimethylphthalate
Concen: 8.18 ng/ul
RT: 14.29 min Scan# 1950
Delta R.T. -0.01 min
Lab File: BG025253.D
Acq: 17 Dec 2016 00:32

Instrument :
BNA_G
ClientSampleId :
DA8W1MSD

Tot Ion	Ratio	Resp	Lower	Upper
163	100	129959		
194	6.0		3.4	5.0#
164	11.0		9.0	13.4

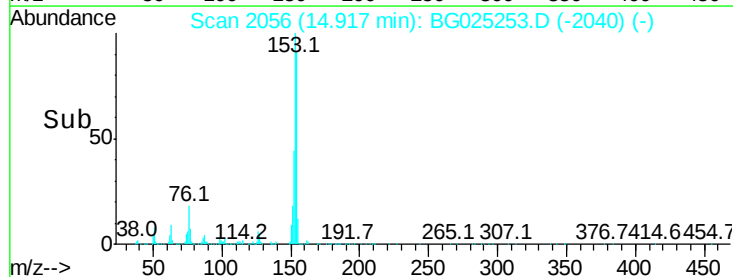
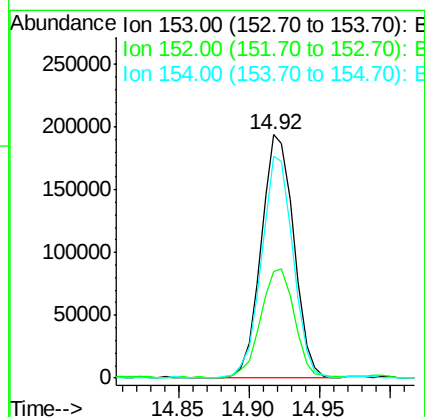
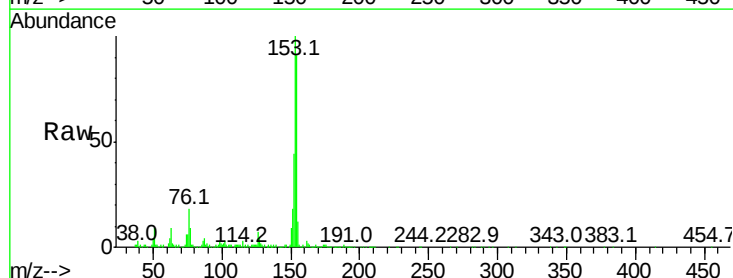
Manual Integrations
APPROVED

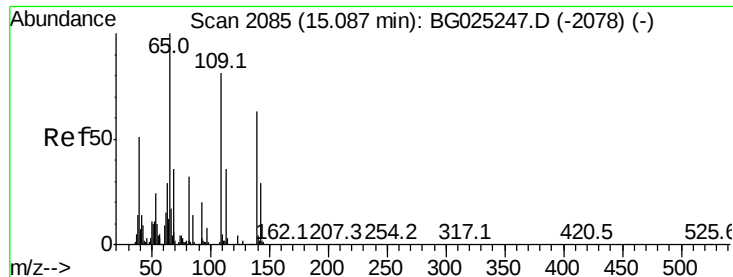
umangi
12/20/2016 10:48:40 AM



#49
Acenaphthene
Concen: 26.65 ng/ul
RT: 14.92 min Scan# 2056
Delta R.T. -0.01 min
Lab File: BG025253.D
Acq: 17 Dec 2016 00:32

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	314186		
152	44.0		36.5	54.7
154	90.9		72.3	108.5





#52

4-Nitrophenol

Concen: 27.61 ng/ul

RT: 15.11 min Scan# 2089

Delta R.T. 0.02 min

Lab File: BG025253.D

Acq: 17 Dec 2016 00:32

Instrument :

BNA_G

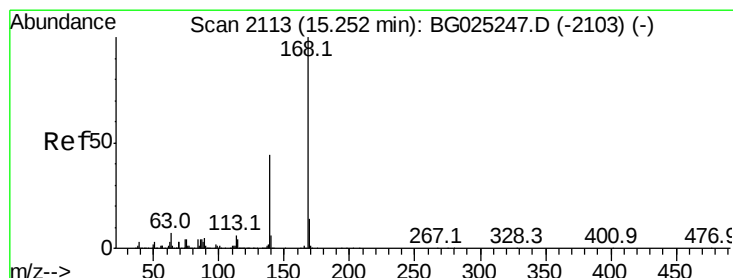
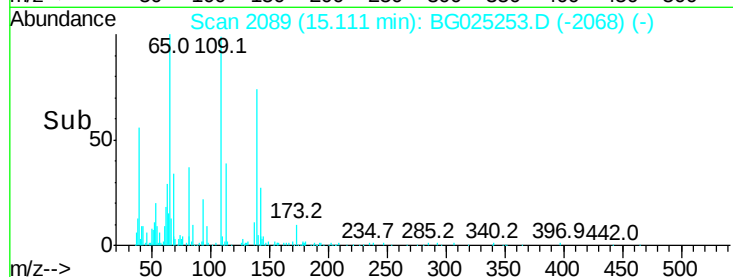
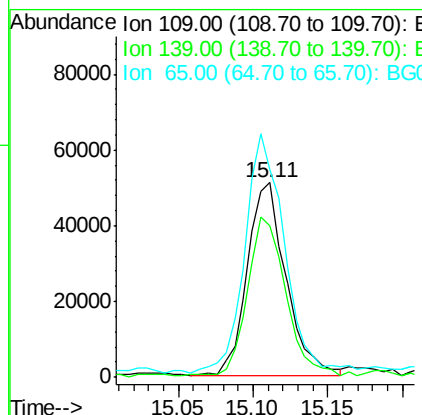
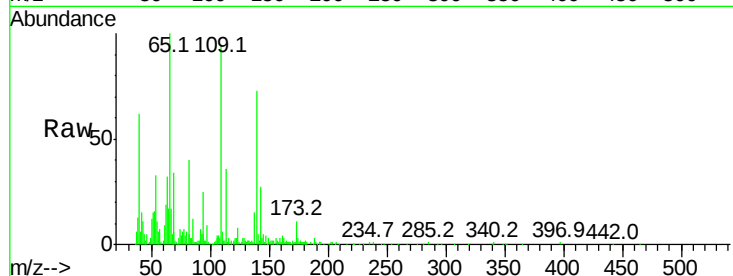
ClientSampleId :

DA8W1MSD

Tot Ion	Ratio	Lower	Upper
109	100		
139	77.6	62.6	93.8
65	106.8	90.4	135.6

Manual Integrations
APPROVED

umangi
12/20/2016 10:48:40 AM



#53

Dibenzofuran

Concen: 1.31 ng/ul

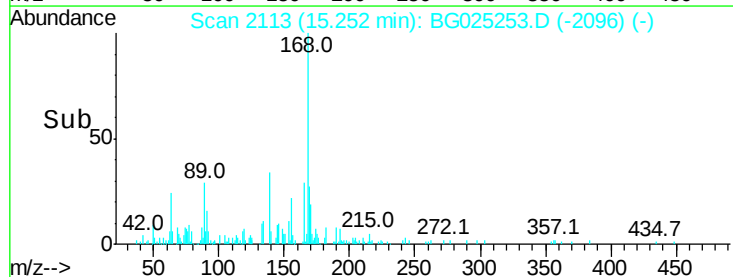
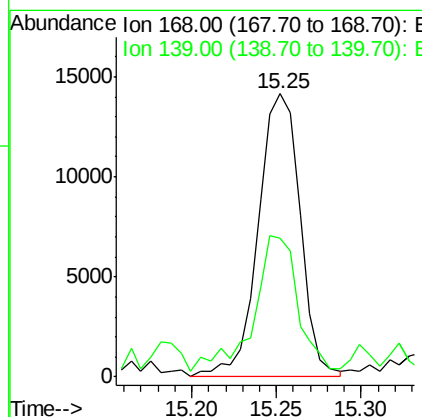
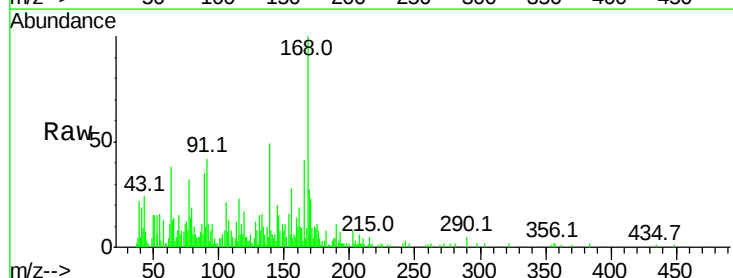
RT: 15.25 min Scan# 2113

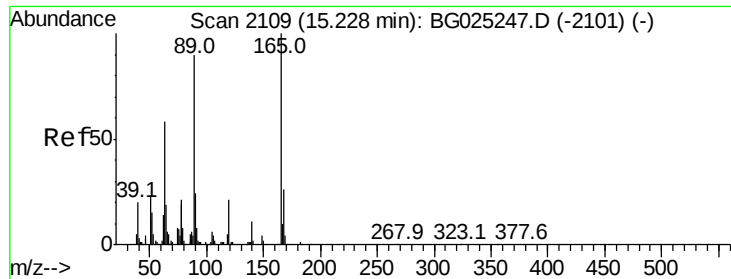
Delta R.T. 0.00 min

Lab File: BG025253.D

Acq: 17 Dec 2016 00:32

Tgt Ion	Ratio	Lower	Upper
168	100		
139	48.8	33.8	50.8





#54

2,4-Dinitrotoluene

Concen: 25.20 ng/ul

RT: 15.23 min Scan# 2109

Delta R.T. 0.00 min

Lab File: BG025253.D

Acq: 17 Dec 2016 00:32

Instrument :

BNA_G

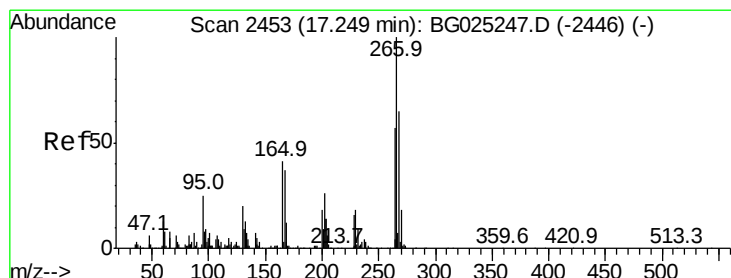
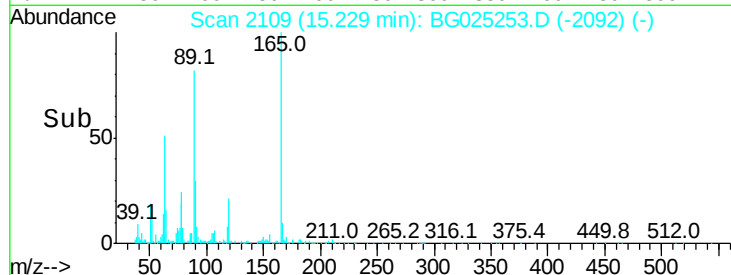
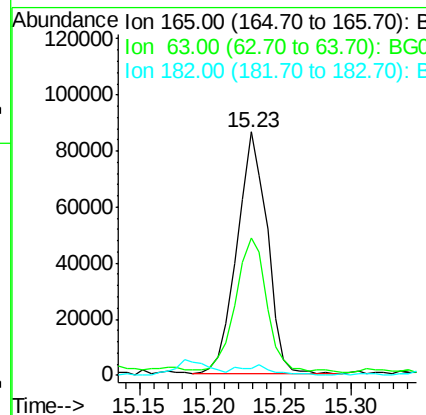
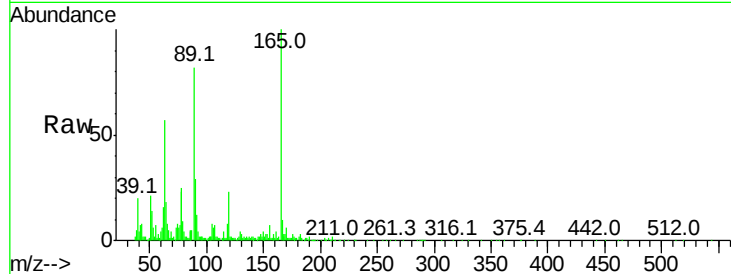
ClientSampleId :

DA8W1MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	129625		
63	56.6	46.8	70.2	
182	2.7	1.8	2.6	

Manual Integrations
APPROVED

umangi
12/20/2016 10:48:40 AM



#68

Pentachlorophenol

Concen: 30.87 ng/ul

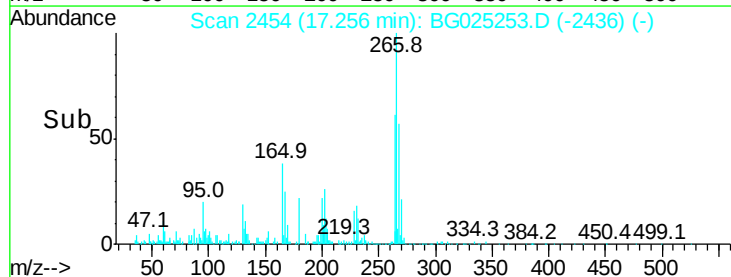
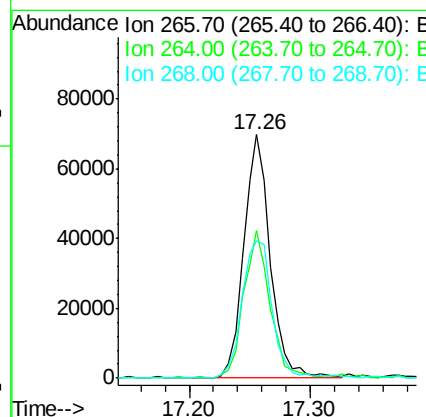
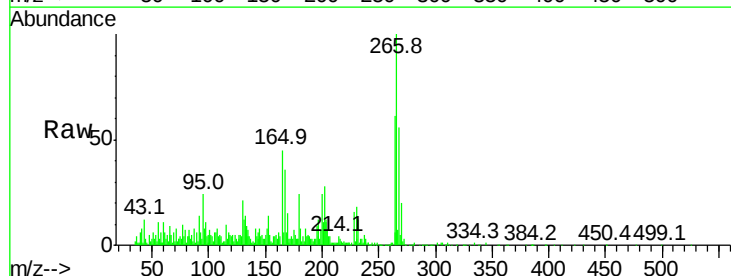
RT: 17.26 min Scan# 2454

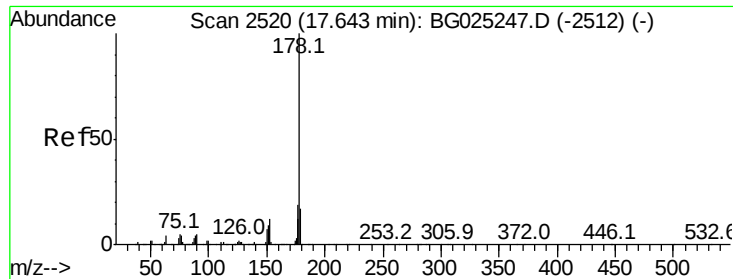
Delta R.T. 0.01 min

Lab File: BG025253.D

Acq: 17 Dec 2016 00:32

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	106318		
264	60.5	47.1	70.7	
268	56.4	56.2	84.4	





#69

Phenanthrene

Concen: 7.11 ng/ul

RT: 17.64 min Scan# 2520

Delta R.T. 0.00 min

Lab File: BG025253.D

Acq: 17 Dec 2016 00:32

Instrument :

BNA_G

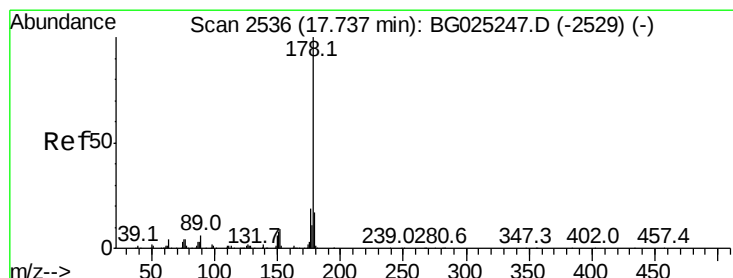
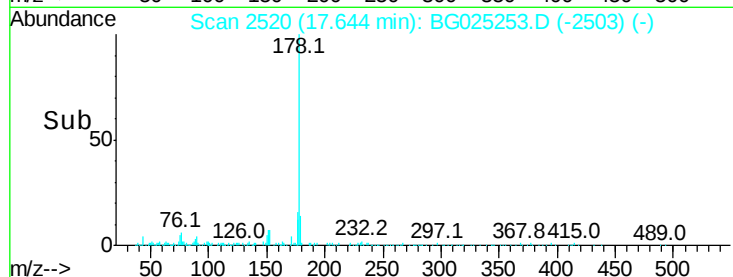
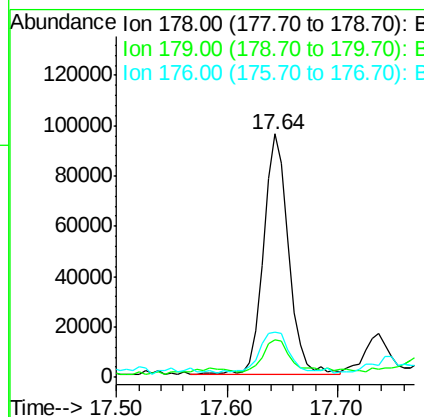
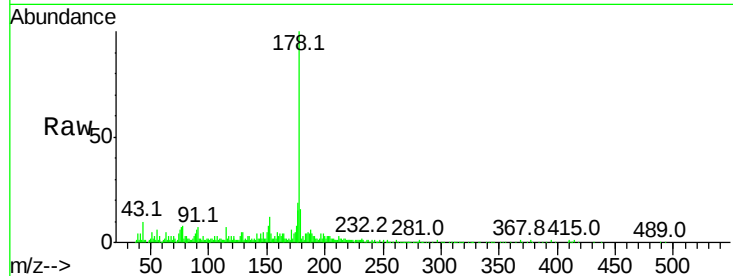
ClientSampleId :

DA8W1MSD

Tot Ion:	178	Resp:	153133
Ion Ratio	Lower	Upper	
178	100		
179	15.6	12.4	18.6
176	18.6	16.5	24.7

Manual Integrations
APPROVED

umangi
12/20/2016 10:48:40 AM



#71

Anthracene

Concen: 1.05 ng/ul

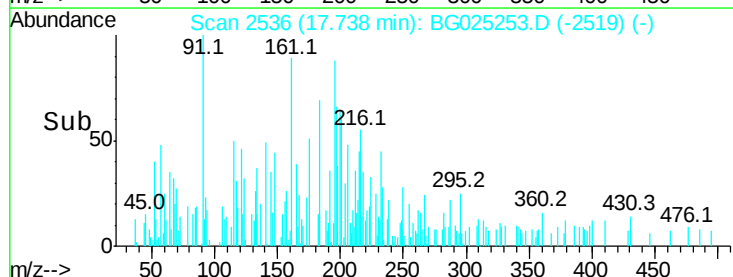
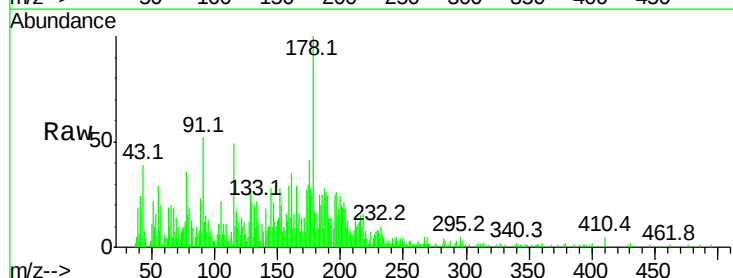
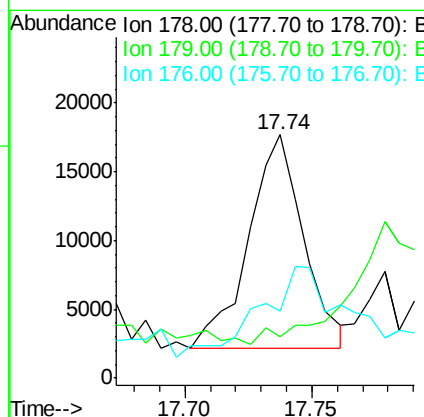
RT: 17.74 min Scan# 2536

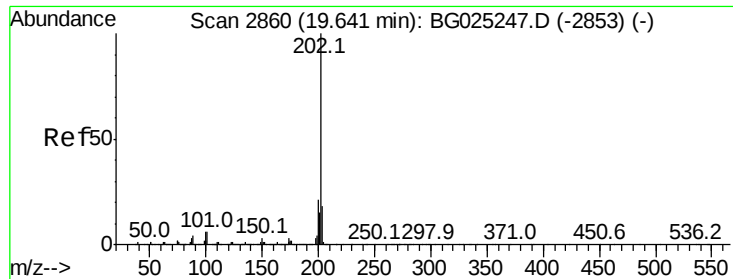
Delta R.T. 0.00 min

Lab File: BG025253.D

Acq: 17 Dec 2016 00:32

Tgt Ion:	178	Resp:	23323
Ion Ratio	Lower	Upper	
178	100		
179	17.0	12.6	19.0
176	27.7	15.9	23.9#





#74

Fluoranthene

Concen: 4.80 ng/ul

RT: 19.64 min Scan# 2860

Delta R.T. 0.00 min

Lab File: BG025253.D

Acq: 17 Dec 2016 00:32

Instrument :

BNA_G

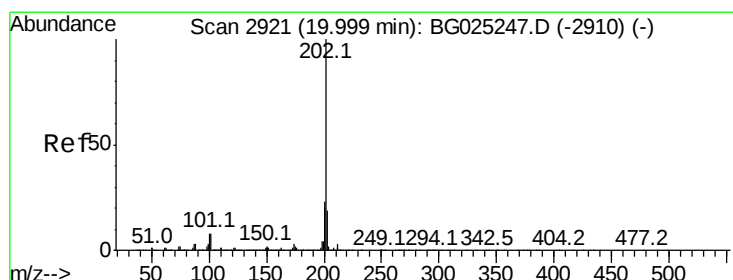
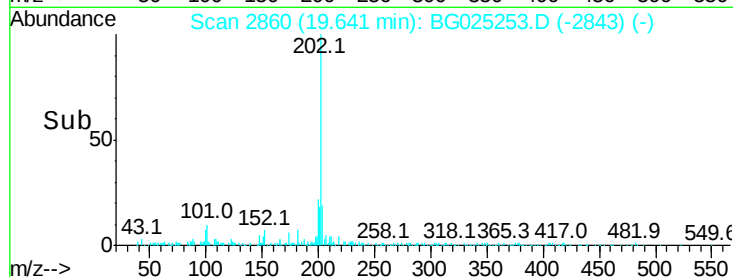
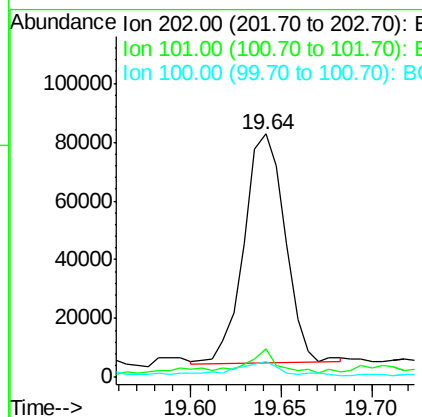
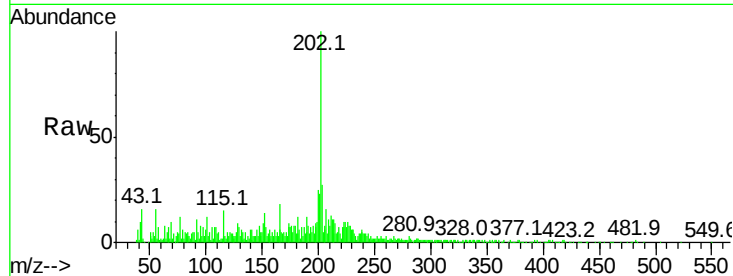
ClientSampleId :

DA8W1MSD

Tot Ion:	202	Resp:	122726
Ion Ratio	Lower	Upper	
202	100		
101	11.9	6.2	9.2#
100	6.5	5.2	7.8

Manual Integrations
APPROVED

umangi
12/20/2016 10:48:40 AM



#77

Pyrene

Concen: 32.04 ng/ul

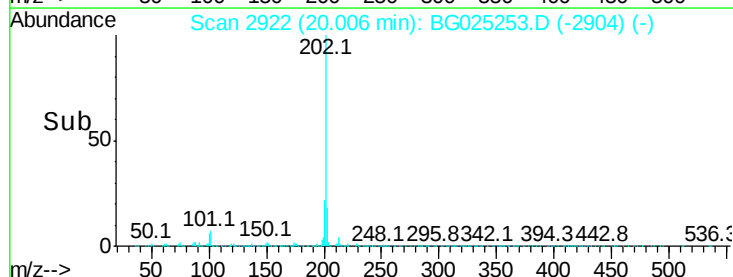
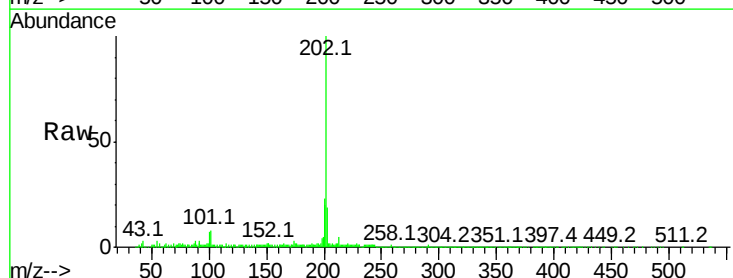
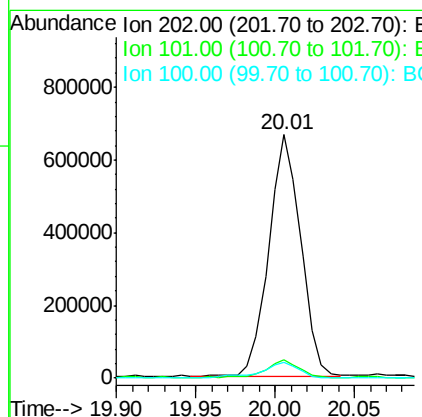
RT: 20.01 min Scan# 2922

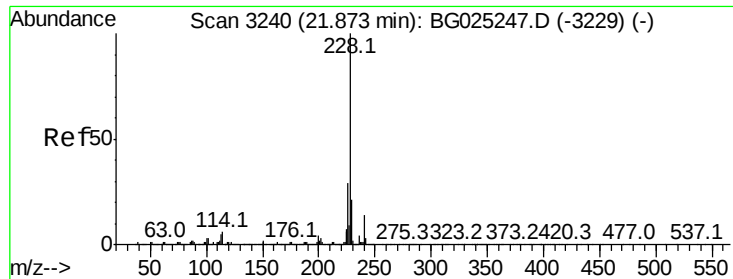
Delta R.T. 0.01 min

Lab File: BG025253.D

Acq: 17 Dec 2016 00:32

Tgt Ion:	202	Resp:	931960
Ion Ratio	Lower	Upper	
202	100		
101	7.7	6.9	10.3
100	6.6	6.6	10.0





#80

Benzo(a)anthracene

Concen: 4.42 ng/ul

RT: 21.88 min Scan# 3241

Delta R.T. 0.01 min

Lab File: BG025253.D

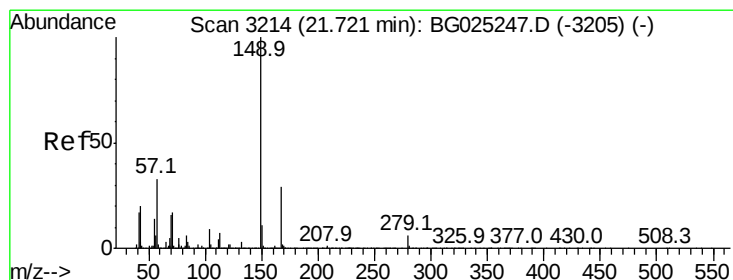
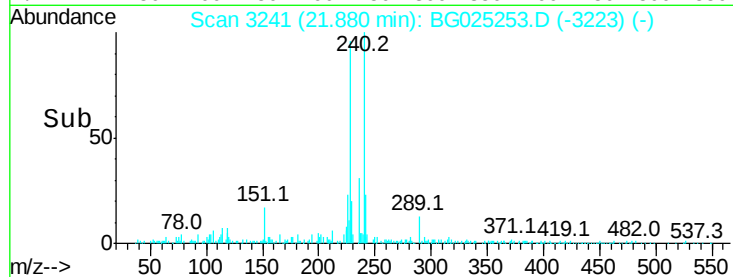
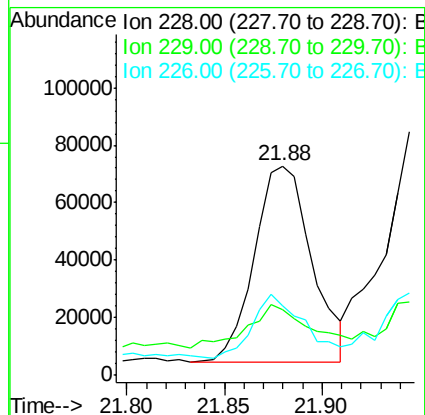
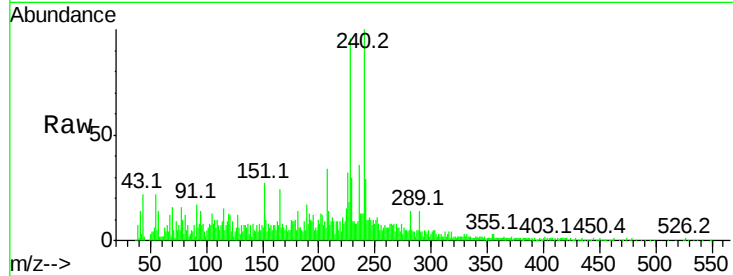
Acq: 17 Dec 2016 00:32

Instrument :
BNA_G
ClientSampleId :
DA8W1MSD

Tot Ion:	228	Resp:	138818
Ion Ratio	Lower	Upper	
228	100		
229	31.4	16.3	24.5#
226	33.4	21.9	32.9#

Manual Integrations
APPROVED

umangi
12/20/2016 10:48:40 AM



#81

Bis(2-ethylhexyl)phthalate

Concen: 3.05 ng/ul

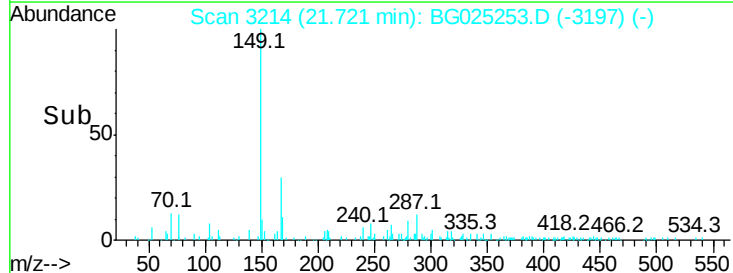
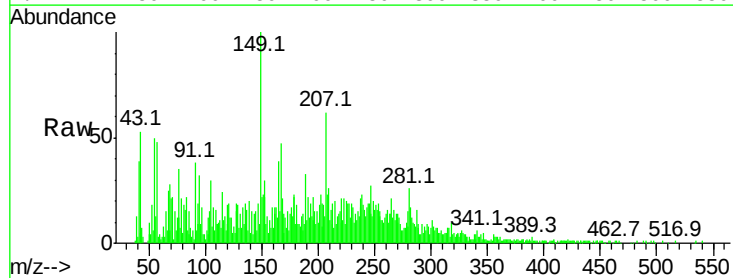
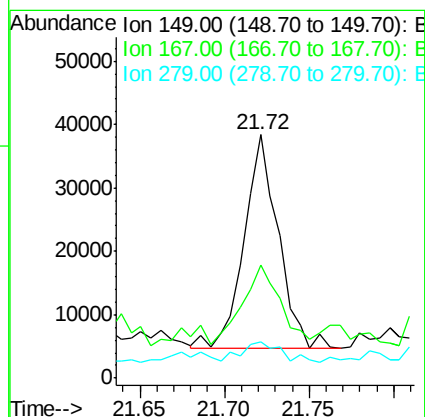
RT: 21.72 min Scan# 3214

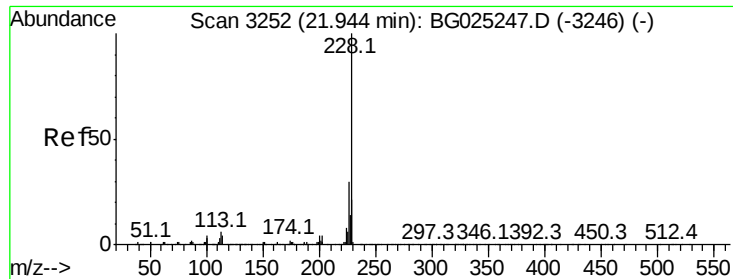
Delta R.T. 0.00 min

Lab File: BG025253.D

Acq: 17 Dec 2016 00:32

Tgt Ion:	149	Resp:	47769
Ion Ratio	Lower	Upper	
149	100		
167	46.6	21.8	32.8#
279	15.1	4.5	6.7#





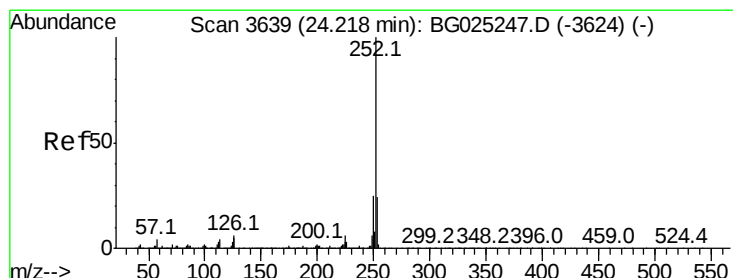
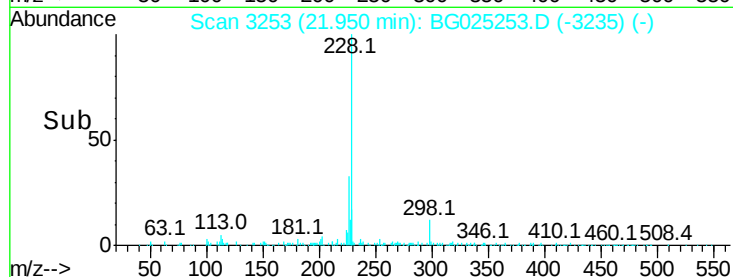
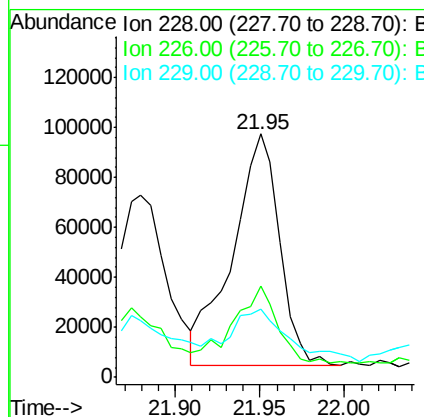
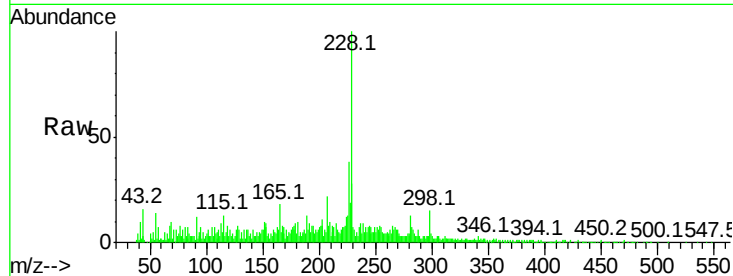
#82
Chrysene
Concen: 6.15 ng/ul
RT: 21.95 min Scan# 3253
Delta R.T. 0.01 min
Lab File: BG025253.D
Acq: 17 Dec 2016 00:32

Instrument :
BNA_G
ClientSampleId :
DA8W1MSD

Tot Ion:	228	Resp:	180810
Ion Ratio	Lower	Upper	
228	100		
226	37.6	24.0	36.0#
229	28.1	16.9	25.3#

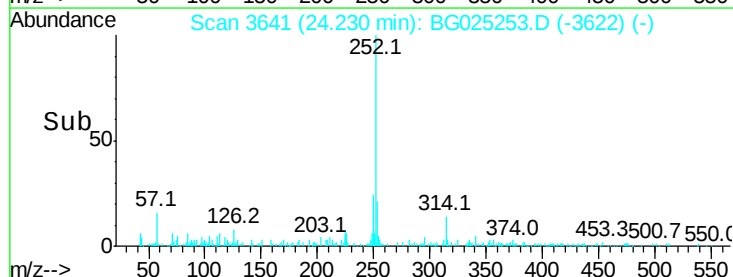
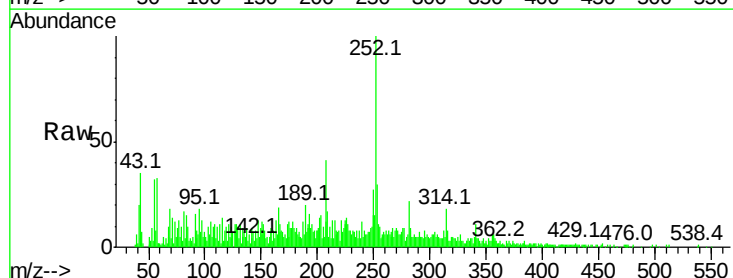
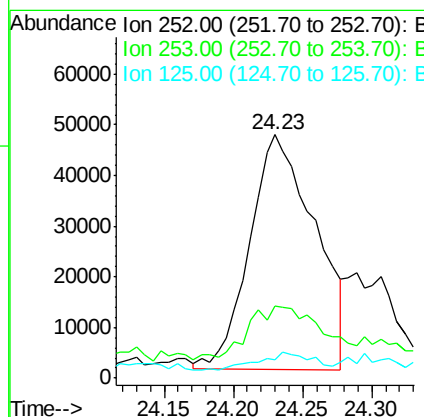
Manual Integrations
APPROVED

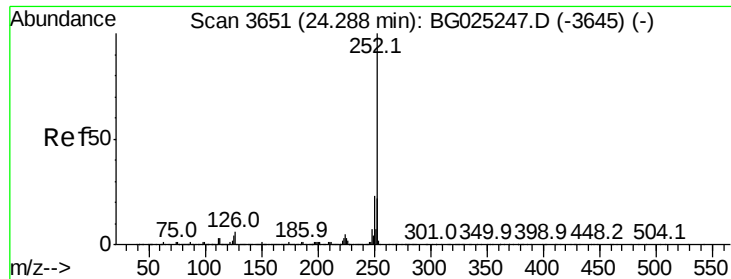
umangi
12/20/2016 10:48:40 AM



#85
Benzo(b)fluoranthene
Concen: 4.74 ng/ul m
RT: 24.23 min Scan# 3641
Delta R.T. 0.01 min
Lab File: BG025253.D
Acq: 17 Dec 2016 00:32

Tgt Ion:	252	Resp:	152256
Ion Ratio	Lower	Upper	
252	100		
253	29.8	17.7	26.5#
125	7.3	4.0	6.0#





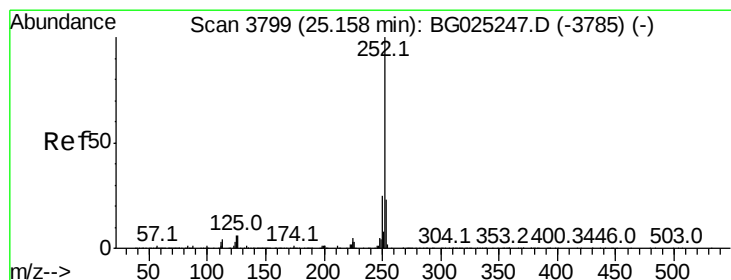
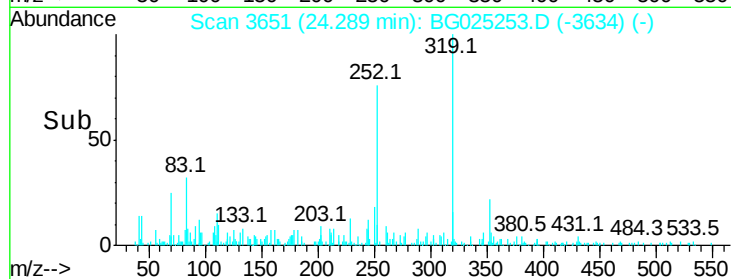
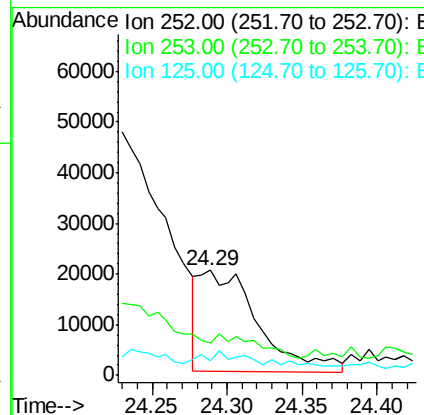
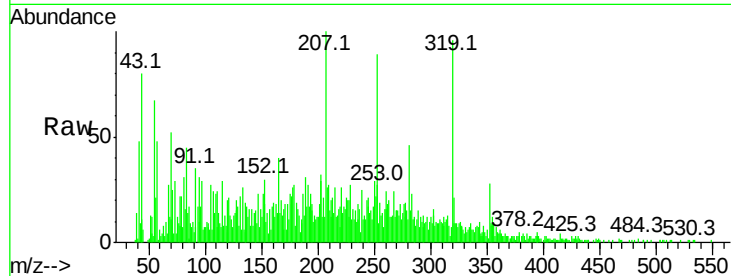
#86
Benzo(k)fluoranthene
Concen: 1.80 ng/ul m
RT: 24.29 min Scan# 3651
Delta R.T. 0.00 min
Lab File: BG025253.D
Acq: 17 Dec 2016 00:32

Instrument :
BNA_G
ClientSampleId :
DA8W1MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	30.5	18.5	27.7#
125	14.2	4.1	6.1#

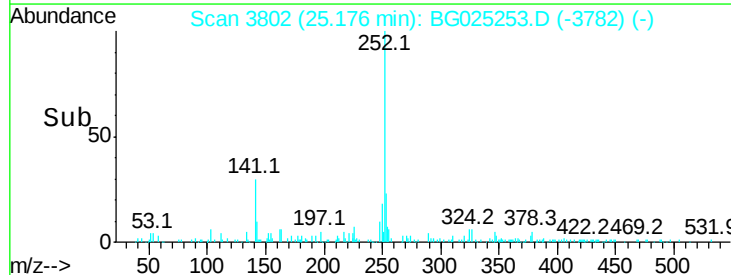
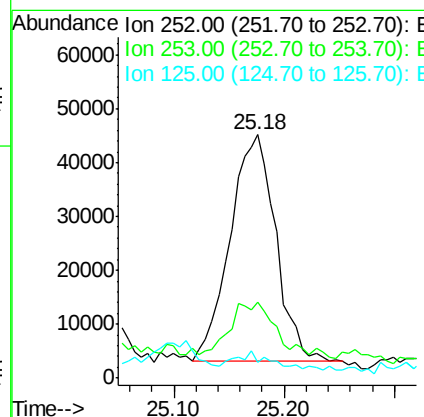
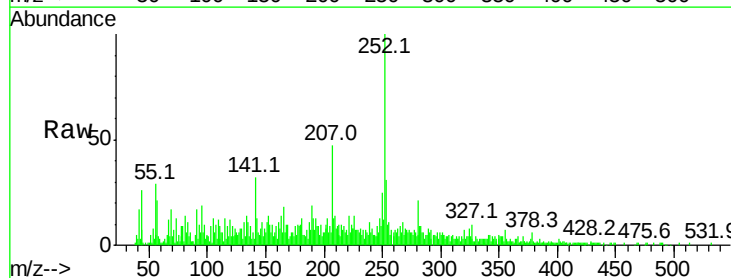
Manual Integrations
APPROVED

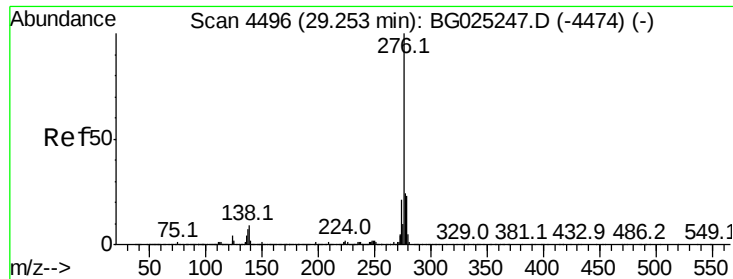
umangi
12/20/2016 10:48:40 AM



#88
Benzo(a)pyrene
Concen: 3.92 ng/ul
RT: 25.18 min Scan# 3802
Delta R.T. 0.02 min
Lab File: BG025253.D
Acq: 17 Dec 2016 00:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	31.1	17.8	26.6#
125	6.3	5.4	8.0





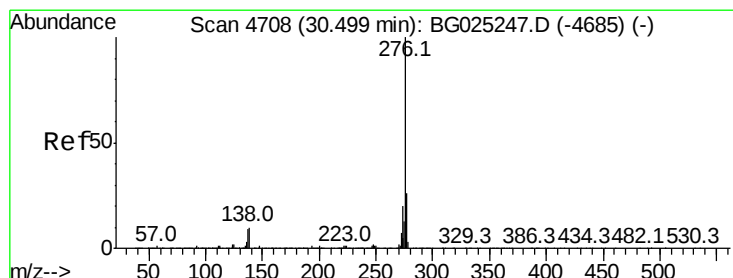
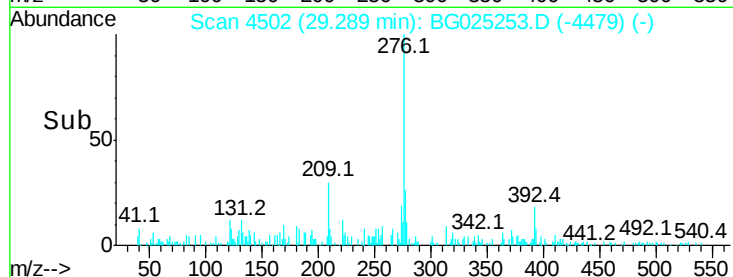
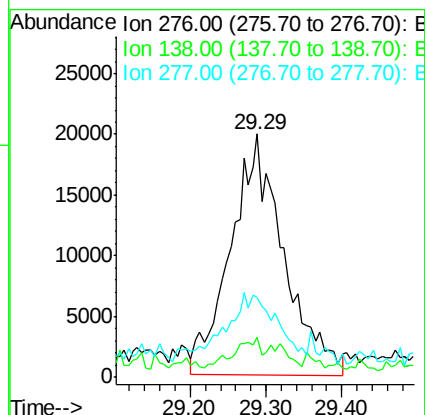
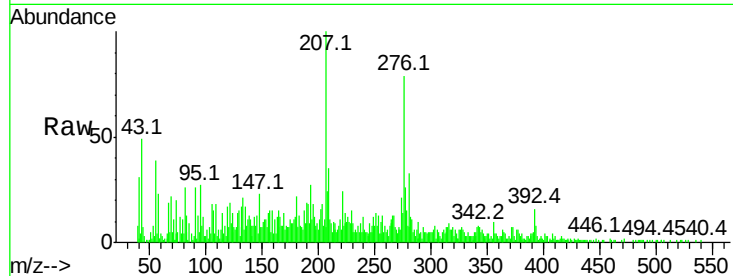
#89
 Indeno(1,2,3-cd)pyrene
 Concen: 2.53 ng/ul m
 RT: 29.29 min Scan# 4502
 Delta R.T. 0.04 min
 Lab File: BG025253.D
 Acq: 17 Dec 2016 00:32

Instrument :
 BNA_G
 ClientSampleId :
 DA8W1MSD

Tot Ion	Ratio	Lower	Upper
276	100		
138	16.4	8.2	12.4#
277	32.7	18.6	28.0#

Manual Integrations
 APPROVED

umangi
 12/20/2016 10:48:40 AM



#91
 Benzo(g,h,i)perylene
 Concen: 3.24 ng/ul m
 RT: 30.54 min Scan# 4715
 Delta R.T. 0.04 min
 Lab File: BG025253.D
 Acq: 17 Dec 2016 00:32

Tgt Ion	Ratio	Lower	Upper
276	100		
138	7.7	8.6	12.8#
277	21.9	17.6	26.4

