

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091219\
 Data File : BG042812.D
 Acq On : 13 Sep 2019 11:33
 Operator : HP/JU
 Sample : PB123017BS
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB123017BS

Manual Integrations
 APPROVED

mohammad
 9/16/2019 9:03:48 AM

Quant Time: Sep 13 14:13:19 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG091219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 12 14:06:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	72220	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	290699	20.00	ng	0.00
39) Acenaphthene-d10	14.73	164	198028	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	471237	20.00	ng	0.00
76) Chrysene-d12	21.75	240	511154	20.00	ng	0.00
87) Perylene-d12	25.03	264	562606	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	502174	120.89	ng	0.00
7) Phenol-d6	7.27	99	691707	116.01	ng	0.00
23) Nitrobenzene-d5	9.27	82	398910	71.44	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	298717	113.38	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	886855	70.89	ng	0.00
79) Terphenyl-d14	20.09	244	1613632	69.96	ng	0.00

Target Compounds					Qvalue
2) 1,4-Dioxane	3.58	88	73540	38.791 ng	96
3) Pyridine	3.98	79	195762	34.296 ng	97
4) n-Nitrosodimethylamine	3.89	42	117208	42.199 ng	97
6) Aniline	7.44	93	253983	31.572 ng	97
8) 2-Chlorophenol	7.68	128	201763	44.933 ng	99
9) Benzaldehyde	7.25	77	145969	37.620 ng	91
10) Phenol	7.29	94	278050	45.473 ng	99
11) bis(2-Chloroethyl)ether	7.53	93	193195	41.168 ng	99
12) 1,3-Dichlorobenzene	8.01	146	211370	38.594 ng	99
13) 1,4-Dichlorobenzene	8.15	146	220182	40.156 ng	99
14) 1,2-Dichlorobenzene	8.48	146	200240	38.364 ng	99
15) Benzyl Alcohol	8.35	79	215263	42.069 ng	99
16) 2,2'-oxybis(1-Chloropropan	8.65	45	417123	40.476 ng	97
17) 2-Methylphenol	8.55	107	181112	44.273 ng	98
18) Hexachloroethane	9.21	117	80017	39.527 ng	95
19) n-Nitroso-di-n-propylamine	8.92	70	178697	40.673 ng	# 94
20) 3+4-Methylphenols	8.88	107	243815	43.237 ng	94
22) Acetophenone	8.93	105	307440	41.876 ng	99
24) Nitrobenzene	9.32	77	250614	42.761 ng	98
25) Isophorone	9.84	82	478475	41.111 ng	98
26) 2-Nitrophenol	10.03	139	103948	45.104 ng	96
27) 2,4-Dimethylphenol	10.09	122	201237	49.362 ng	97
28) bis(2-Chloroethoxy)methane	10.32	93	266706	41.091 ng	97
29) 2,4-Dichlorophenol	10.57	162	209682	44.261 ng	98
30) 1,2,4-Trichlorobenzene	10.79	180	227957	39.412 ng	99
31) Naphthalene	10.98	128	596295	41.546 ng	100
32) Benzoic acid	10.20	122	110854	35.406 ng	99
33) 4-Chloroaniline	11.07	127	160007	23.851 ng	100
34) Hexachlorobutadiene	11.27	225	153900	37.977 ng	94
35) Caprolactam	11.84	113	72552m	41.183 ng	
36) 4-Chloro-3-methylphenol	12.18	107	225410	43.822 ng	97
37) 2-Methylnaphthalene	12.57	142	444502	41.343 ng	100
38) 1-Methylnaphthalene	12.79	142	419273	41.578 ng	99
40) 1,2,4,5-Tetrachlorobenzene	12.94	216	270375	41.318 ng	98

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091219\
 Data File : BG042812.D
 Acq On : 13 Sep 2019 11:33
 Operator : HP/JU
 Sample : PB123017BS
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleID :
 PB123017BS

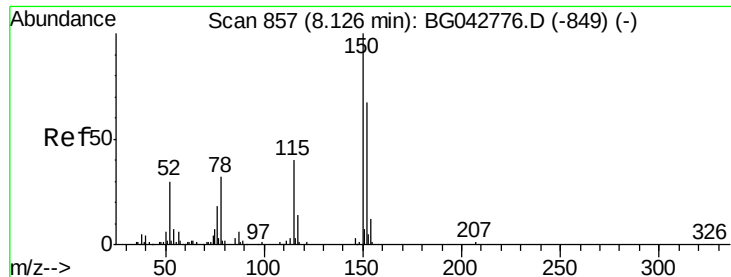
Manual Integrations
 APPROVED

mohammad
 9/16/2019 9:03:48 AM

Quant Time: Sep 13 14:13:19 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG091219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 12 14:06:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.93	237	368290	98.244	nq	97
43) 2,4,6-Trichlorophenol	13.17	196	186083	42.714	nq	95
44) 2,4,5-Trichlorophenol	13.24	196	197462	44.251	nq	95
46) 1,1'-Biphenyl	13.58	154	592318	42.726	nq	99
47) 2-Chloronaphthalene	13.62	162	465466	40.588	nq	98
48) 2-Nitroaniline	13.80	65	167900	42.205	nq	97
49) Acenaphthylene	14.46	152	761847	43.472	nq	97
50) Dimethylphthalate	14.19	163	600371	40.471	nq	99
51) 2,6-Dinitrotoluene	14.30	165	134658	44.238	nq	93
52) Acenaphthene	14.80	154	475837	41.561	nq	98
53) 3-Nitroaniline	14.62	138	99275	29.059	nq	99
54) 2,4-Dinitrophenol	14.83	184	59741	39.867	nq	# 84
55) Dibenzofuran	15.13	168	715454	42.041	nq	98
56) 4-Nitrophenol	14.92	139	230415	87.231	nq	98
57) 2,4-Dinitrotoluene	15.08	165	179863	44.330	nq	# 99
58) Fluorene	15.78	166	591099	41.911	nq	98
59) 2,3,4,6-Tetrachlorophenol	15.35	232	192904	44.595	nq	100
60) Diethylphthalate	15.55	149	600545	39.881	nq	99
61) 4-Chlorophenyl-phenylether	15.77	204	336557	40.359	nq	97
62) 4-Nitroaniline	15.78	138	148425	40.306	nq	96
63) Azobenzene	16.07	77	619403	42.715	nq	99
65) 4,6-Dinitro-2-methylphenol	15.84	198	64553	32.015	nq	97
66) n-Nitrosodiphenylamine	15.98	169	532529	41.996	nq	98
67) 4-Bromophenyl-phenylether	16.67	248	228490	40.060	nq	97
68) Hexachlorobenzene	16.79	284	233776	38.358	nq	98
69) Atrazine	16.92	200	203139	46.003	nq	97
70) Pentachlorophenol	17.12	266	295333	81.686	nq	95
71) Phenanthrene	17.52	178	944751	41.921	nq	99
72) Anthracene	17.61	178	968703	43.025	nq	99
73) Carbazole	17.87	167	906594	42.365	nq	98
74) Di-n-butylphthalate	18.44	149	1050310	40.972	nq	99
75) Fluoranthene	19.52	202	1265810	43.338	nq	99
77) Benzidine	19.69	184	593002	41.524	nq	100
78) Pyrene	19.89	202	1279364	39.978	nq	100
80) Butylbenzylphthalate	20.77	149	515629	39.813	nq	99
81) Benzo(a)anthracene	21.74	228	1316518	40.508	nq	99
82) 3,3'-Dichlorobenzidine	21.64	252	350648	27.763	nq	99
83) Chrysene	21.80	228	1255919	40.797	nq	100
84) Bis(2-ethylhexyl)phthalate	21.65	149	726206	41.037	nq	99
85) Di-n-octyl phthalate	22.89	149	1241219	41.144	nq	100
86) Indeno(1,2,3-cd)pyrene	28.76	276	1576714	41.359	nq	# 93
88) Benzo(b)fluoranthene	23.99	252	1383395	41.877	nq	99
89) Benzo(k)fluoranthene	24.06	252	1335100	42.784	nq	100
90) Benzo(a)pyrene	24.87	252	1349926	43.641	nq	100
91) Dibenzo(a,h)anthracene	28.83	278	1305951	42.925	nq	99
92) Benzo(g,h,i)perylene	29.93	276	1293549	43.590	nq	96

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



#1

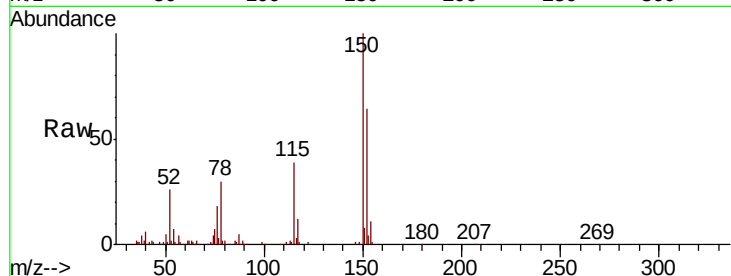
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.12 min Scan# 856
Delta R.T. -0.01 min
Lab File: BG042812.D
Acq: 13 Sep 2019 11:33

Instrument :
BNA_G
ClientSampleId :
PB123017BS

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	118.9	178.3
115	60.6	47.4	71.2

Manual Integrations
APPROVED

mohammad
9/16/2019 9:03:48 AM

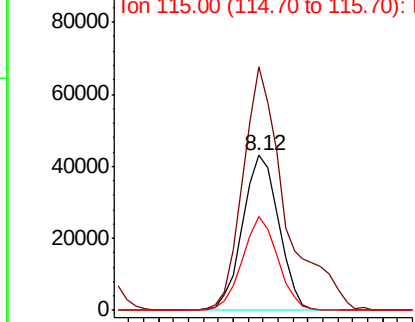


Abundance

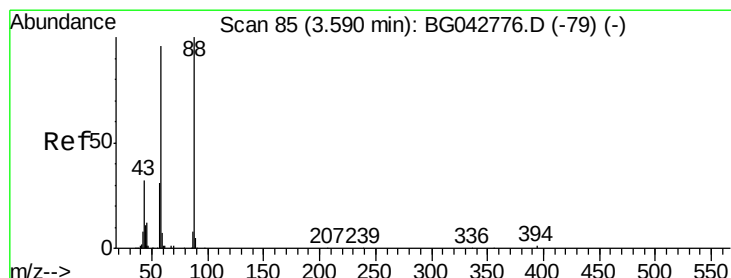
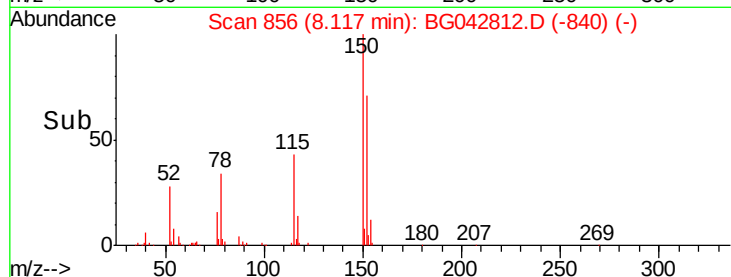
Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



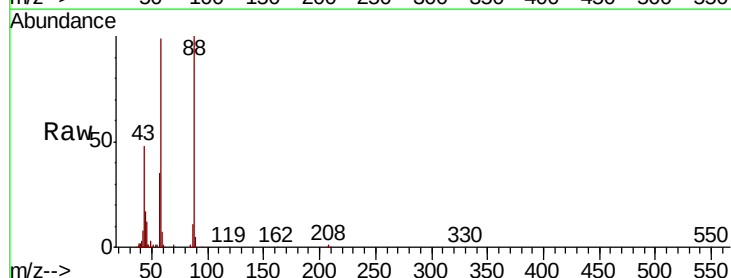
Time-->



#2

1,4-Dioxane
Concen: 38.791 ng
RT: 3.58 min Scan# 84
Delta R.T. -0.01 min
Lab File: BG042812.D
Acq: 13 Sep 2019 11:33

Tgt Ion	Ratio	Lower	Upper
88	100		
58	103.2	79.1	118.7
43	40.4	30.4	45.6

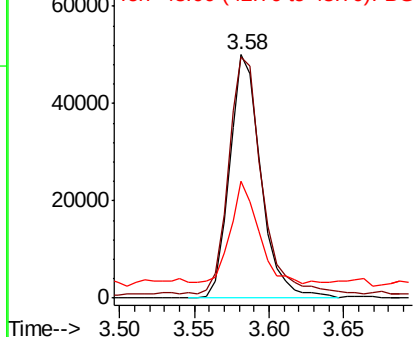


Abundance

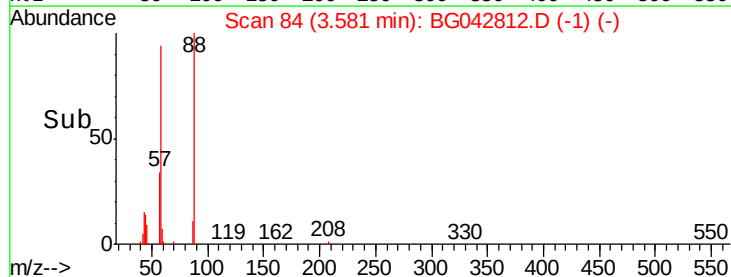
Ion 88.00 (87.70 to 88.70): BGC

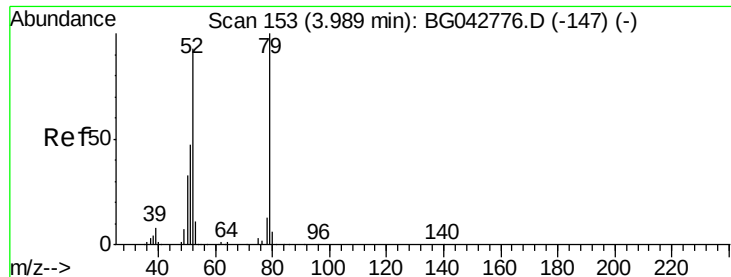
Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC



Time-->





#3

Pvridine

Concen: 34.296 ng

RT: 3.98 min Scan# 151

Delta R.T. -0.01 min

Lab File: BG042812.D

Acq: 13 Sep 2019 11:33

Instrument :

BNA_G

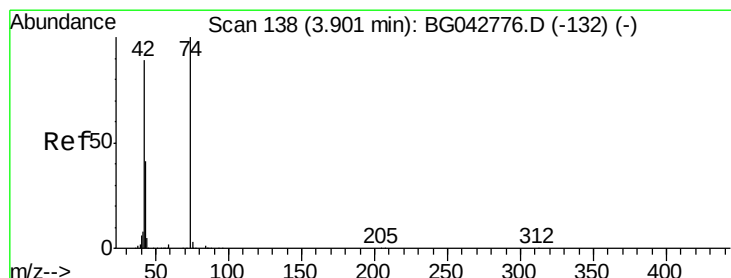
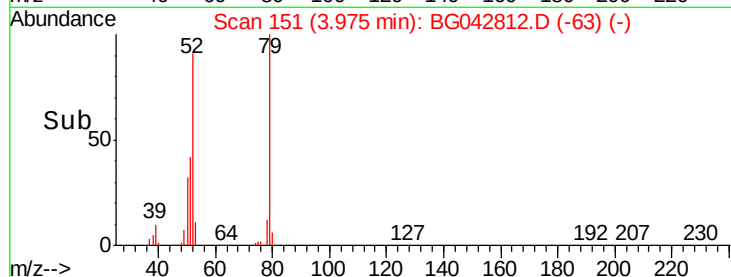
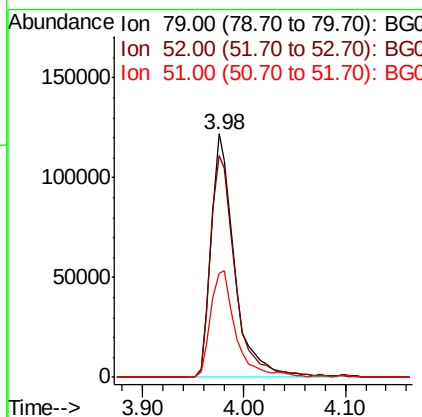
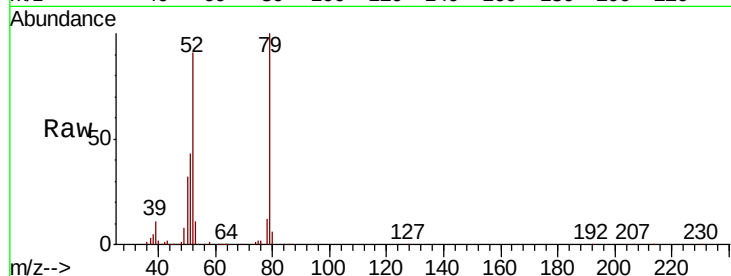
ClientSampleId :

PB123017BS

Tot Ion:	79	Resp:	195762
Ion	Ratio	Lower	Upper
79	100		
52	91.1	74.0	111.0
51	42.8	37.5	56.3

Manual Integrations
APPROVED

mohammad
9/16/2019 9:03:48 AM



#4

n-Nitrosodimethylamine

Concen: 42.199 ng

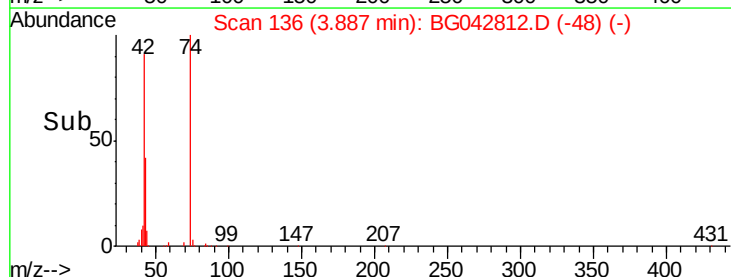
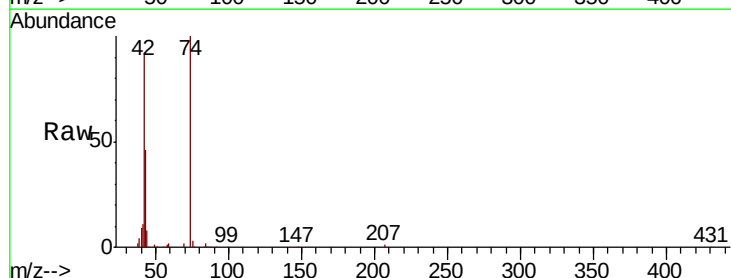
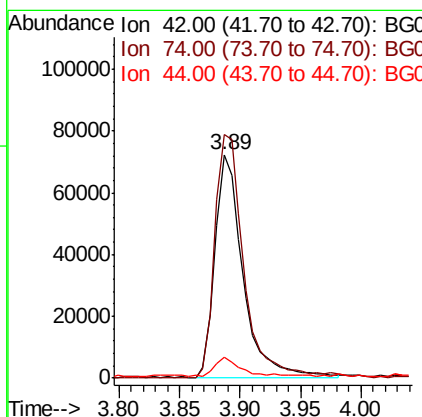
RT: 3.89 min Scan# 136

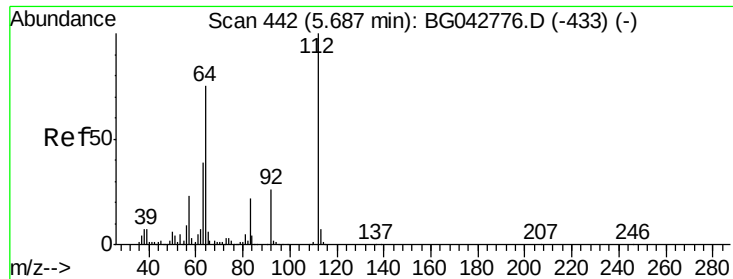
Delta R.T. -0.01 min

Lab File: BG042812.D

Acq: 13 Sep 2019 11:33

Tgt Ion:	42	Resp:	117208
Ion	Ratio	Lower	Upper
42	100		
74	109.0	90.2	135.2
44	9.2	6.6	9.8





#5

2-Fluorophenol

Concen: 120.888 ng

RT: 5.68 min Scan# 442

Delta R.T. -0.00 min

Lab File: BG042812.D

Acq: 13 Sep 2019 11:33

Instrument :

BNA_G

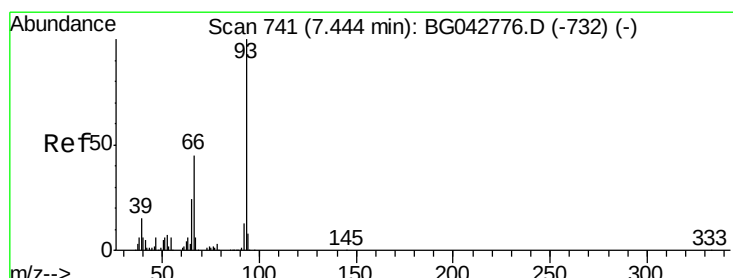
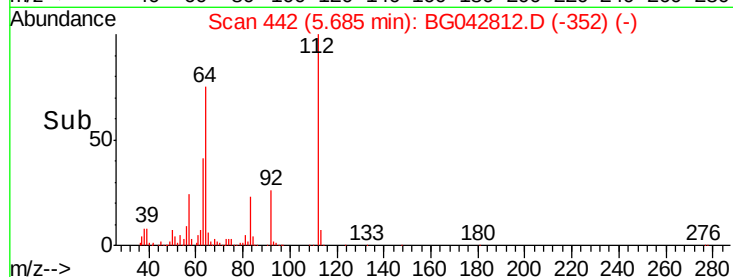
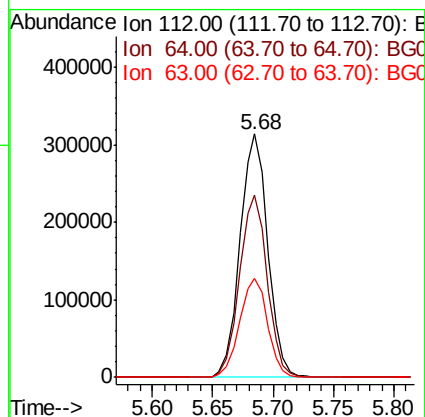
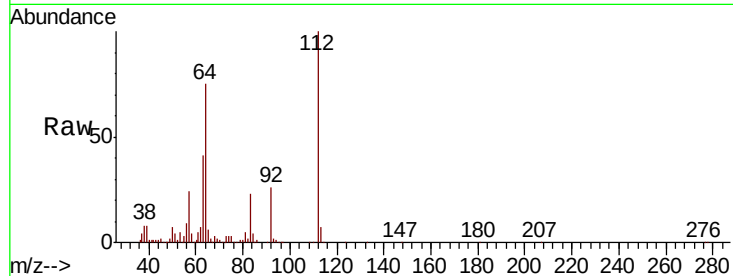
ClientSampleId :

PB123017BS

Tot Ion:	112	Resp:	502174
Ion Ratio	Lower	Upper	
112	100		
64	75.0	60.2	90.2
63	40.9	31.2	46.8

Manual Integrations
APPROVED

mohammad
9/16/2019 9:03:48 AM



#6

Aniline

Concen: 31.572 ng

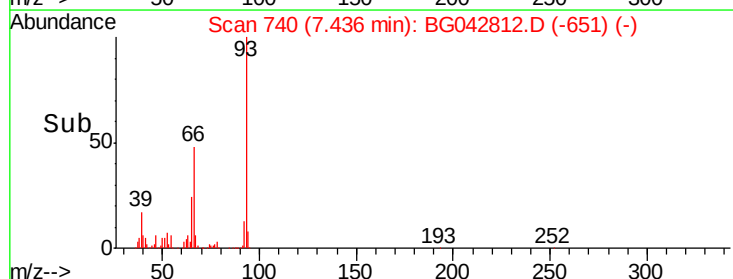
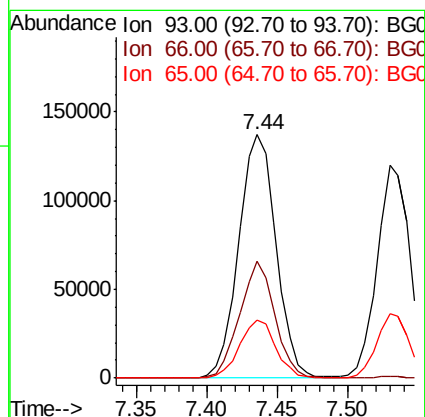
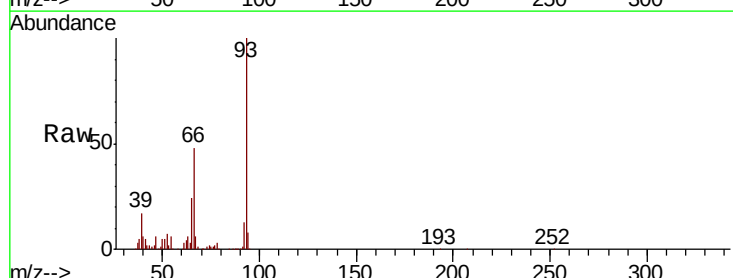
RT: 7.44 min Scan# 740

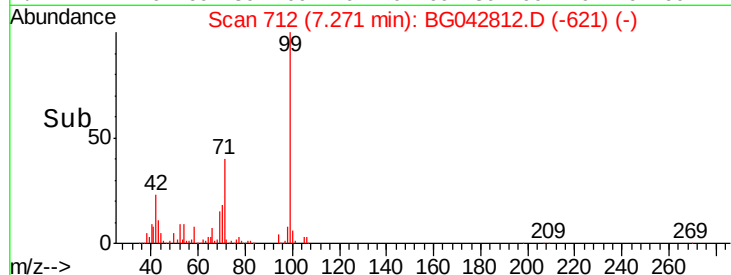
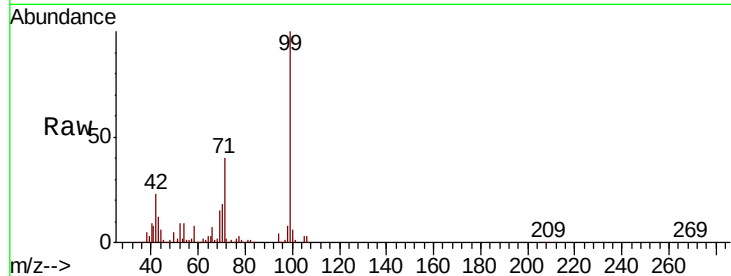
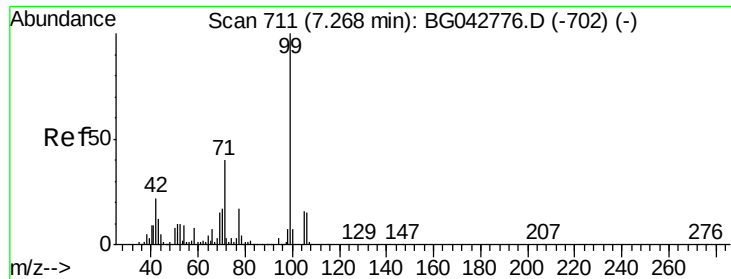
Delta R.T. -0.01 min

Lab File: BG042812.D

Acq: 13 Sep 2019 11:33

Tgt Ion:	93	Resp:	253983
Ion Ratio	Lower	Upper	
93	100		
66	48.3	36.3	54.5
65	23.6	19.3	28.9





#7

Phenol-d6

Concen: 116.010 ng

RT: 7.27 min Scan# 712

Delta R.T. 0.00 min

Lab File: BG042812.D

Acq: 13 Sep 2019 11:33

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		691707		
42	22.7	17.5	26.3		
71	40.2	32.0	48.0		

Instrument :

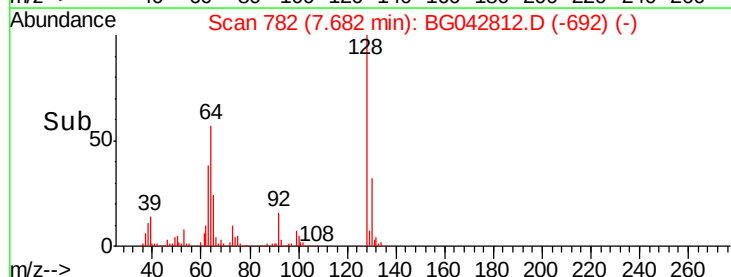
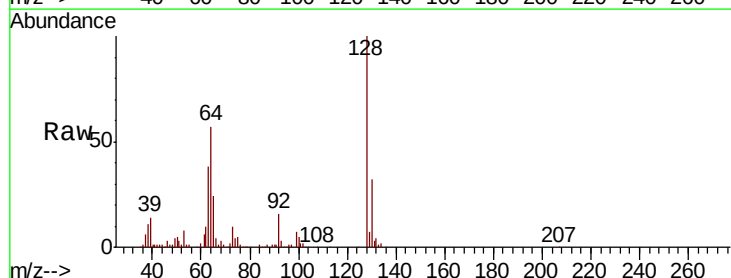
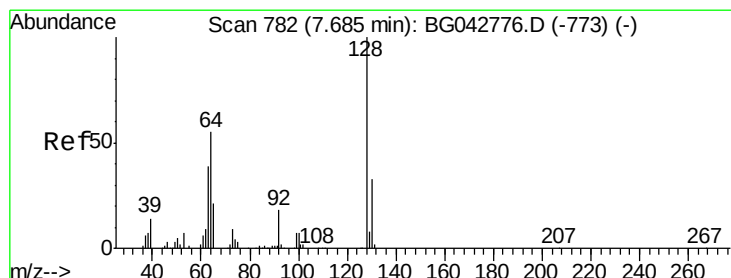
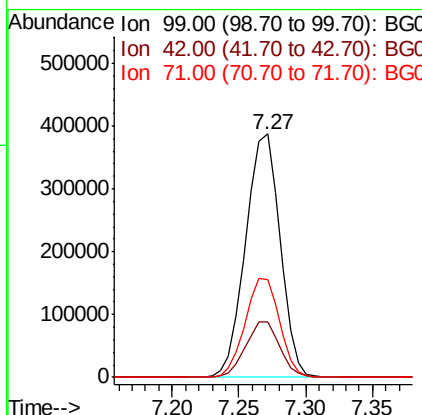
BNA_G

ClientSampleId :

PB123017BS

Manual Integrations
APPROVED

mohammad
9/16/2019 9:03:48 AM



#8

2-Chlorophenol

Concen: 44.933 ng

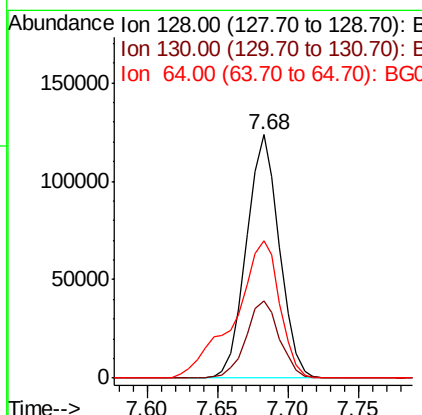
RT: 7.68 min Scan# 782

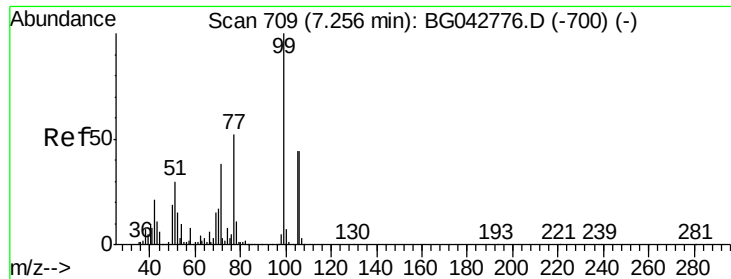
Delta R.T. -0.00 min

Lab File: BG042812.D

Acq: 13 Sep 2019 11:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
128	100		201763		
130	31.7	12.8	52.8		
64	56.7	36.8	76.8		





#9

Benzaldehyde

Concen: 37.620 ng

RT: 7.25 min Scan# 708

Delta R.T. -0.01 min

Lab File: BG042812.D

Acq: 13 Sep 2019 11:33

Instrument :

BNA_G

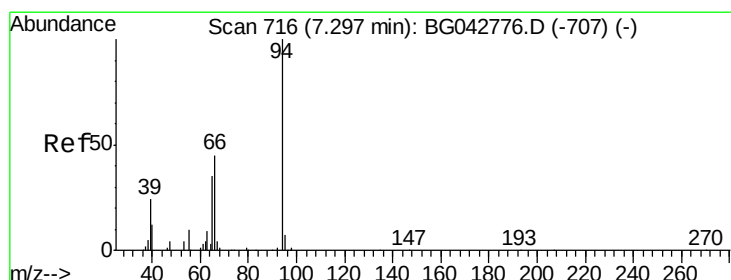
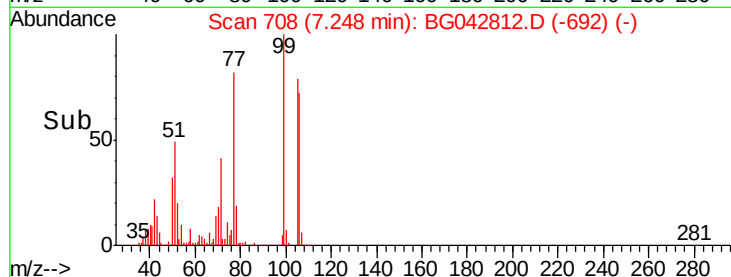
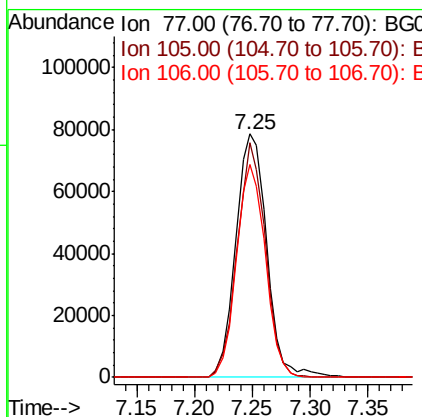
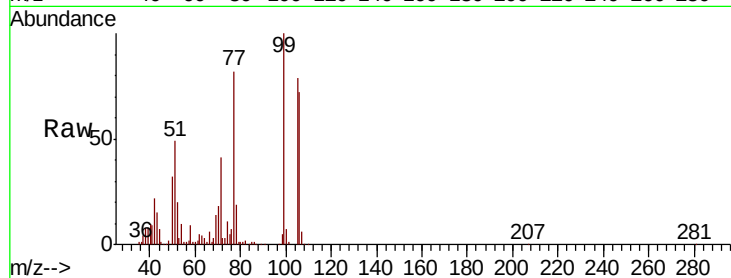
ClientSampleId :

PB123017BS

Tot Ion:	77	Resp:	145969
Ion	Ratio	Lower	Upper
77	100		
105	96.4	64.5	104.5
106	87.5	63.4	103.4

Manual Integrations
APPROVED

mohammad
9/16/2019 9:03:48 AM



#10

Phenol

Concen: 45.473 ng

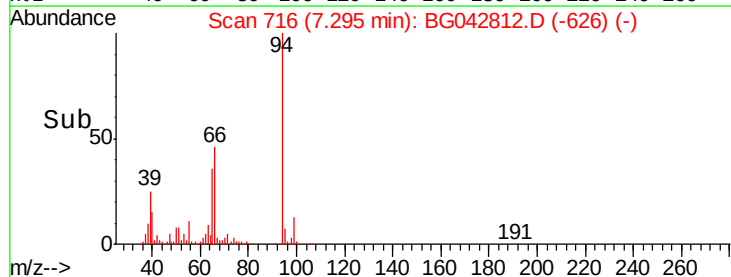
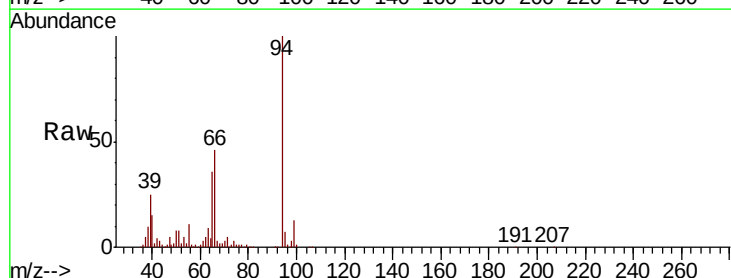
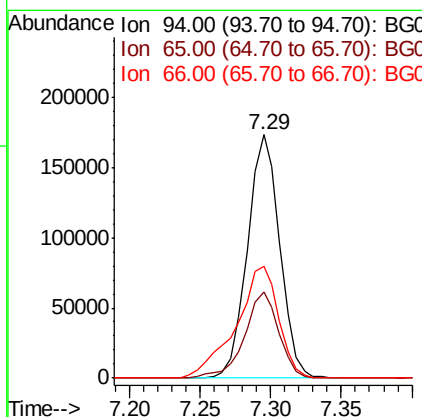
RT: 7.29 min Scan# 716

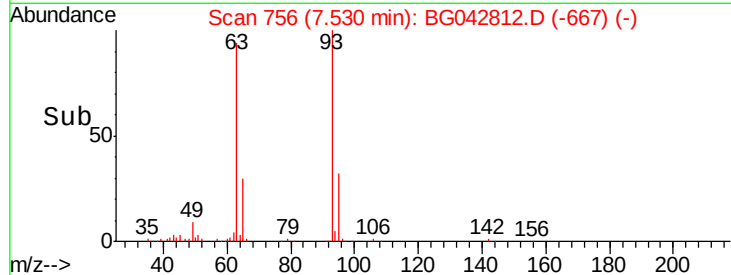
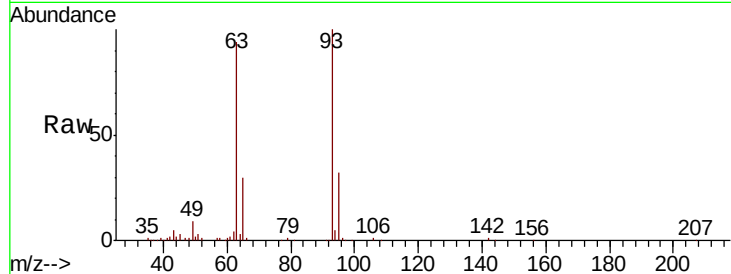
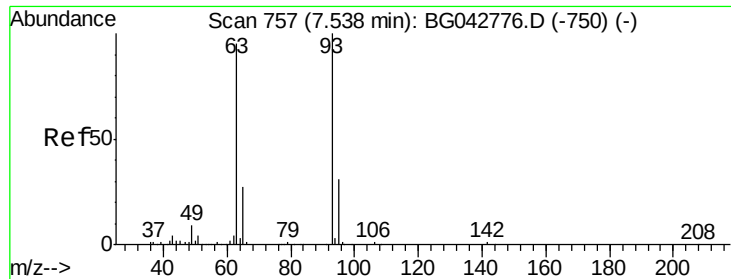
Delta R.T. -0.00 min

Lab File: BG042812.D

Acq: 13 Sep 2019 11:33

Tgt Ion:	94	Resp:	278050
Ion	Ratio	Lower	Upper
94	100		
65	35.5	15.0	55.0
66	45.9	26.1	66.1





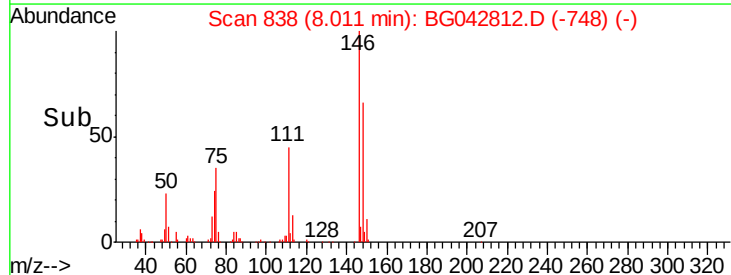
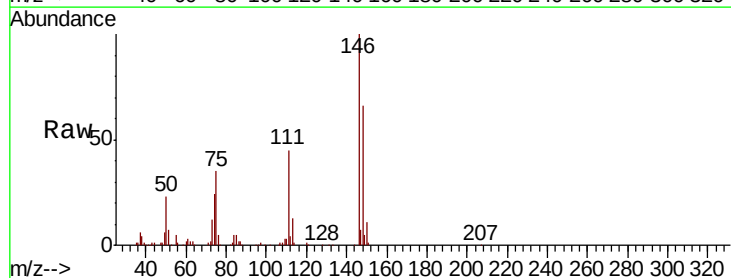
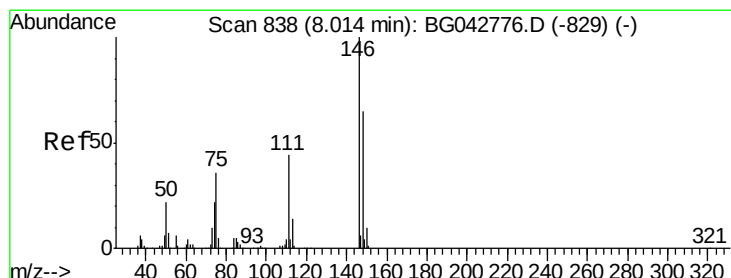
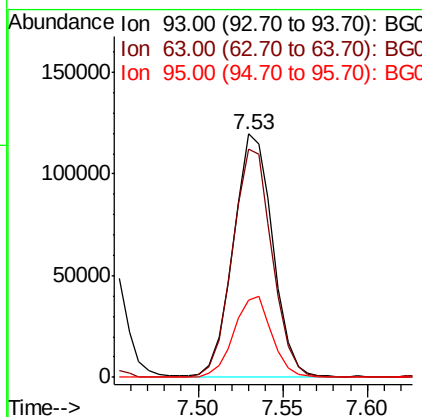
#11
bis(2-Chloroethyl)ether
Concen: 41.168 ng
RT: 7.53 min Scan# 756
Delta R.T. -0.01 min
Lab File: BG042812.D
Acq: 13 Sep 2019 11:33

Tot Ion	Ratio	Resp	Lower	Upper
93	100	193195		
63	93.8		74.7	114.7
95	31.6		11.1	51.1

Instrument :
BNA_G
ClientSampleId :
PB123017BS

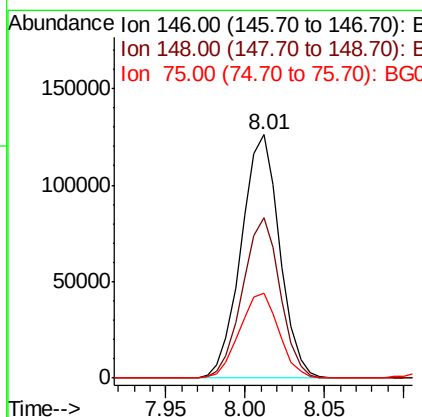
Manual Integrations
APPROVED

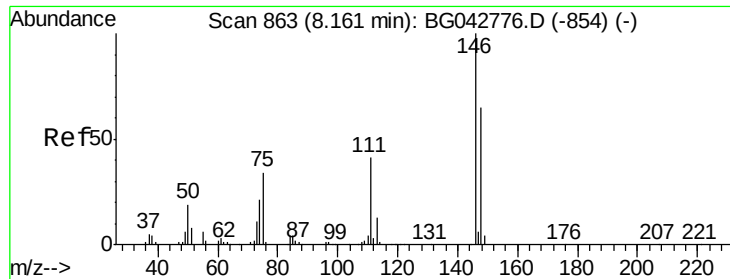
mohammad
9/16/2019 9:03:48 AM



#12
1,3-Dichlorobenzene
Concen: 38.594 ng
RT: 8.01 min Scan# 838
Delta R.T. -0.00 min
Lab File: BG042812.D
Acq: 13 Sep 2019 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	211370		
148	66.0		51.9	77.9
75	34.8		28.4	42.6





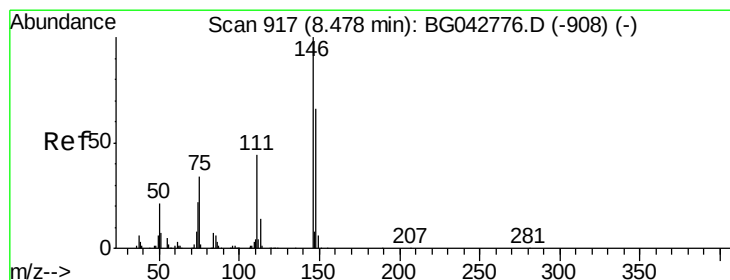
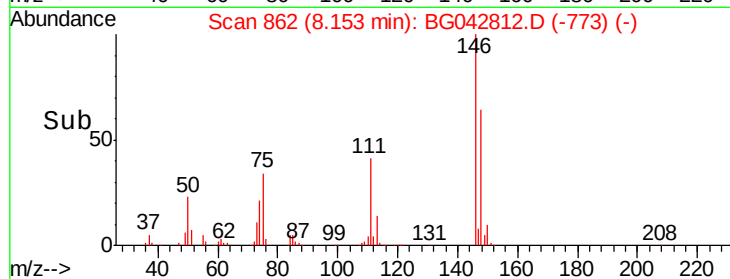
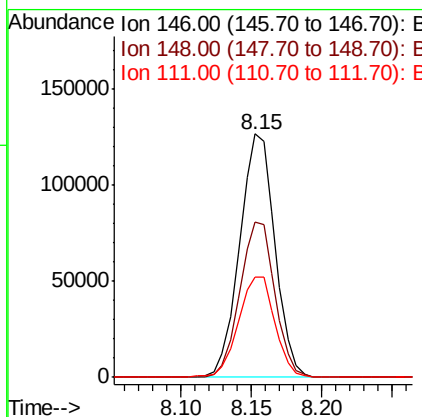
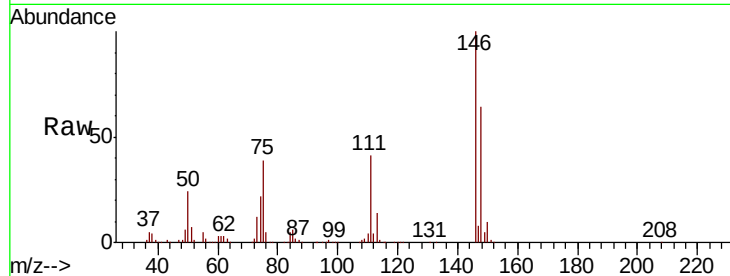
#13
 1,4-Dichlorobenzene
 Concen: 40.156 ng
 RT: 8.15 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: BG042812.D
 Acq: 13 Sep 2019 11:33

Instrument :
 BNA_G
 ClientSampleId :
 PB123017BS

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.8	52.2	78.4
111	41.2	32.6	49.0

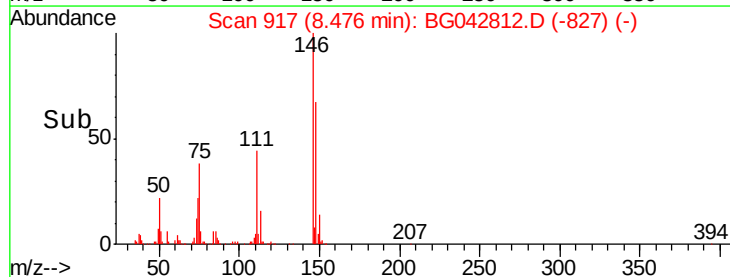
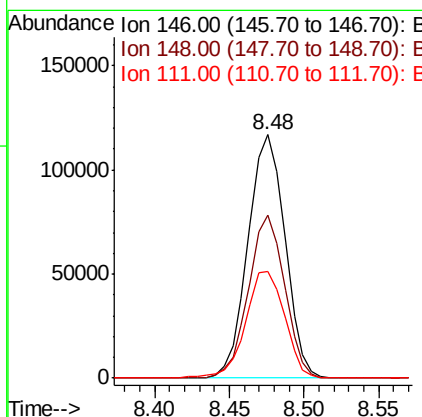
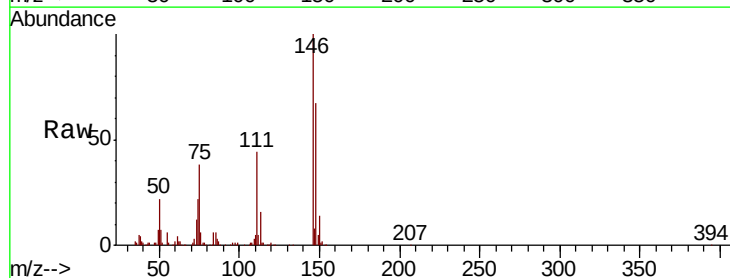
Manual Integrations
 APPROVED

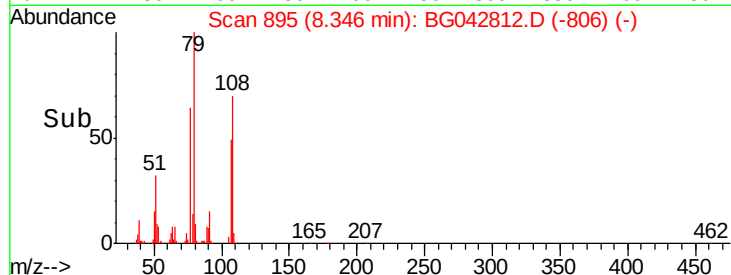
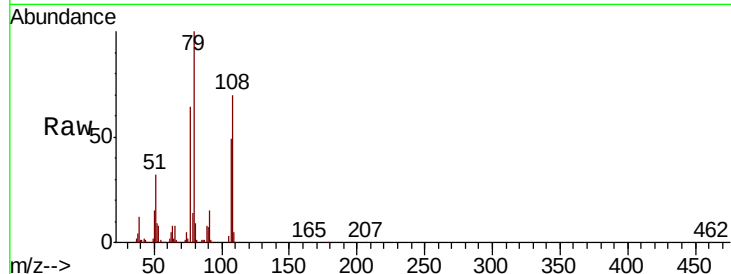
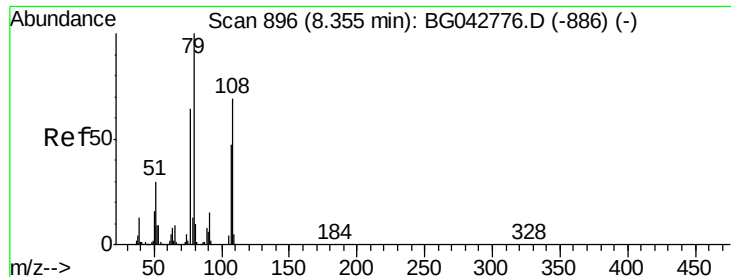
mohammad
 9/16/2019 9:03:48 AM



#14
 1,2-Dichlorobenzene
 Concen: 38.364 ng
 RT: 8.48 min Scan# 917
 Delta R.T. -0.00 min
 Lab File: BG042812.D
 Acq: 13 Sep 2019 11:33

Tgt Ion	Ratio	Lower	Upper
146	100		
148	66.7	52.6	78.8
111	43.7	35.3	52.9





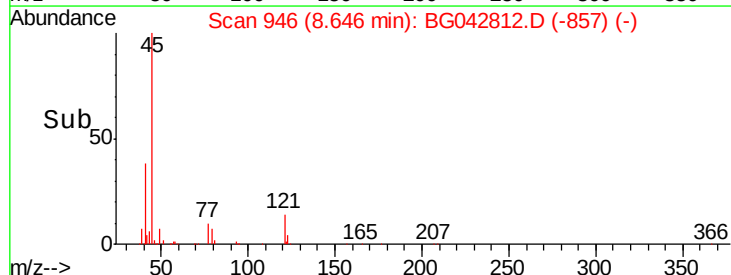
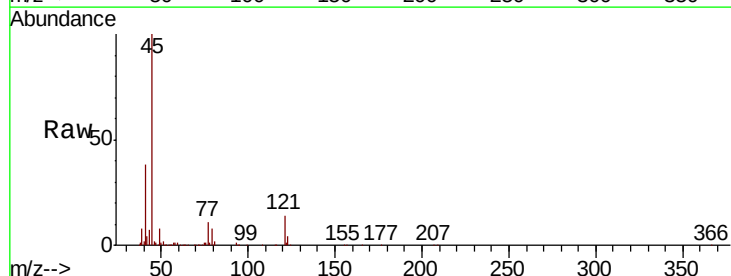
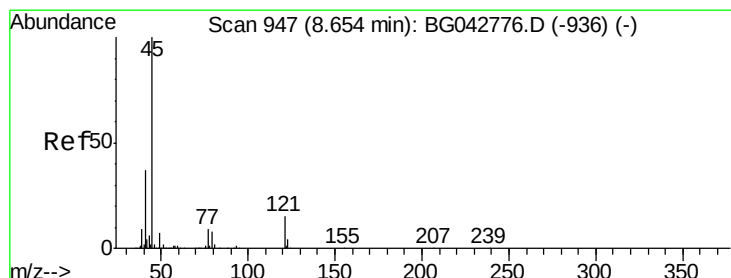
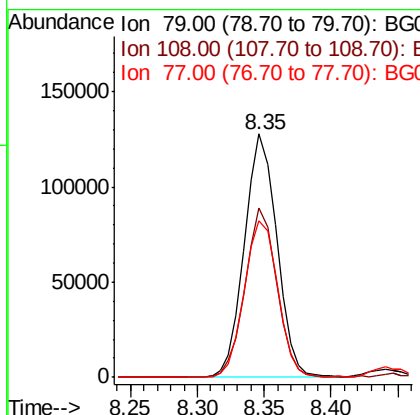
#15
Benzyl Alcohol
Concen: 42.069 ng
RT: 8.35 min Scan# 895
Delta R.T. -0.01 min
Lab File: BG042812.D
Acq: 13 Sep 2019 11:33

Tot Ion	Ratio	Resp	Lower	Upper
79	100			
108	69.7	54.9	82.3	
77	64.3	51.0	76.6	

Instrument :
BNA_G
ClientSampleId :
PB123017BS

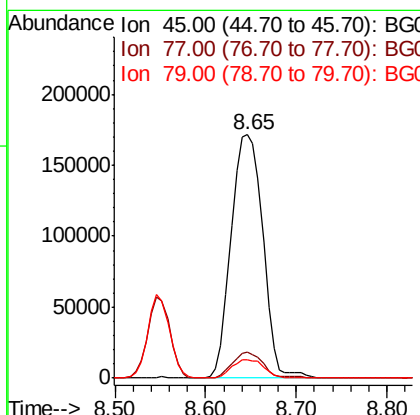
Manual Integrations
APPROVED

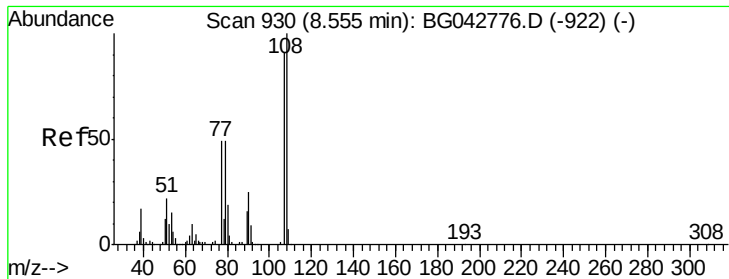
mohammad
9/16/2019 9:03:48 AM



#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.476 ng
RT: 8.65 min Scan# 946
Delta R.T. -0.01 min
Lab File: BG042812.D
Acq: 13 Sep 2019 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
45	100			
77	10.7	0.0	29.4	
79	7.7	0.0	28.4	





#17

2-Methylphenol

Concen: 44.273 ng

RT: 8.55 min Scan# 929

Delta R.T. -0.01 min

Lab File: BG042812.D

Acq: 13 Sep 2019 11:33

Instrument :

BNA_G

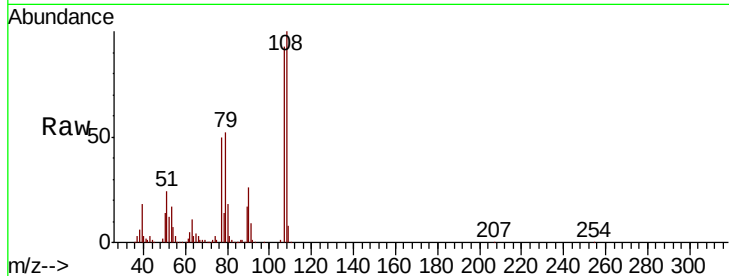
ClientSampleId :

PB123017BS

Tot Ion:	107	Resp:	181112
Ion Ratio	Lower	Upper	
107	100		
108	107.4	87.7	131.5
77	54.0	42.6	64.0
79	55.4	43.4	65.2

Manual Integrations
APPROVED

mohammad
9/16/2019 9:03:48 AM



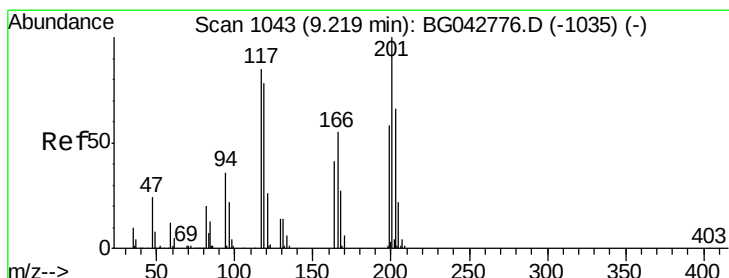
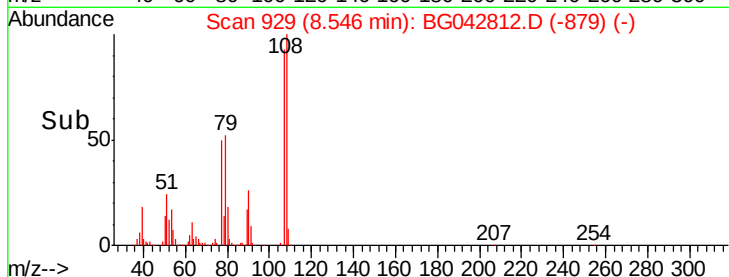
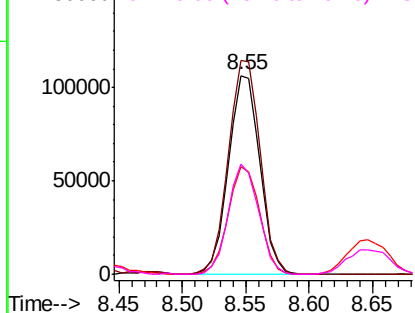
Abundance

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: 39.527 ng

RT: 9.21 min Scan# 1042

Delta R.T. -0.01 min

Lab File: BG042812.D

Acq: 13 Sep 2019 11:33

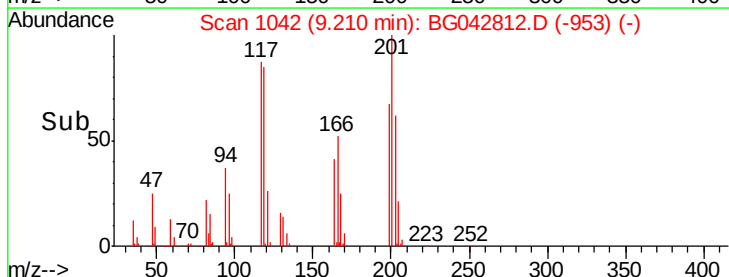
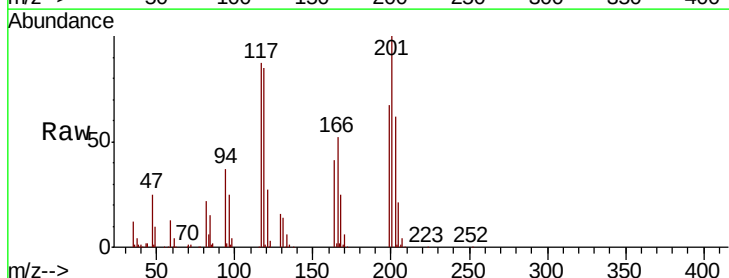
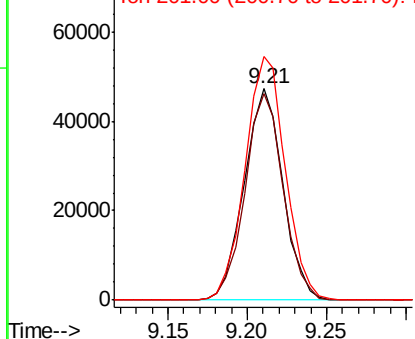
Tgt Ion:	117	Resp:	80017
Ion Ratio	Lower	Upper	
117	100		
119	98.8	73.8	110.8
201	115.2	94.6	142.0

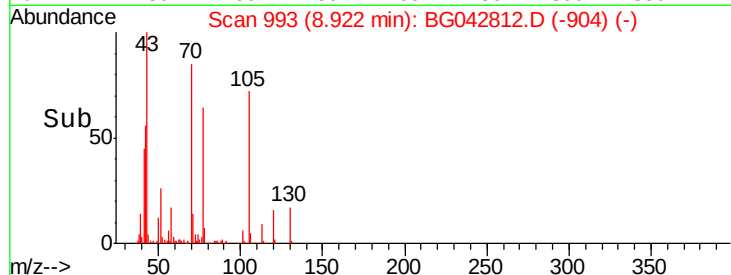
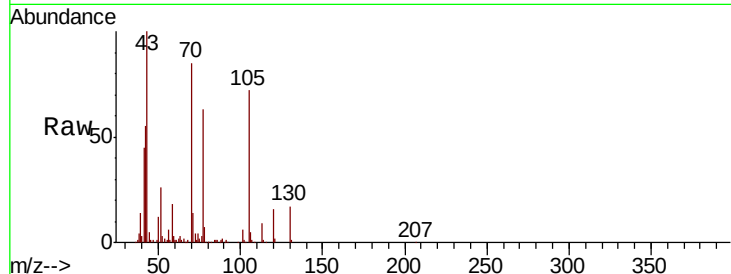
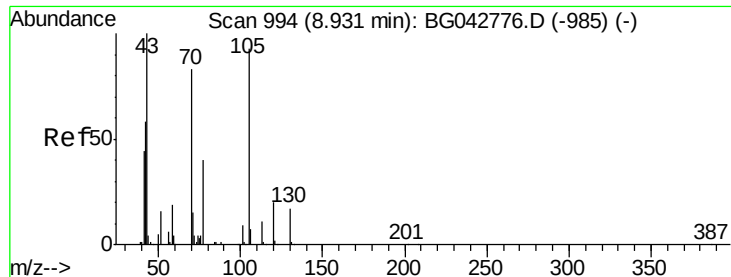
Abundance

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





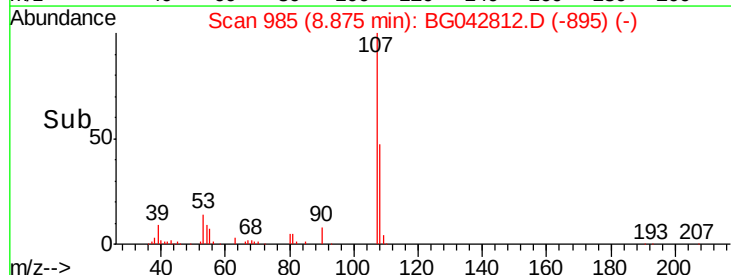
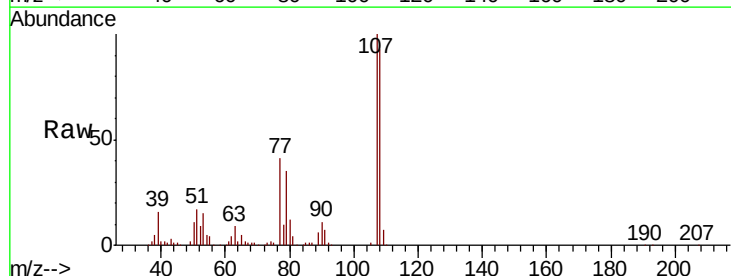
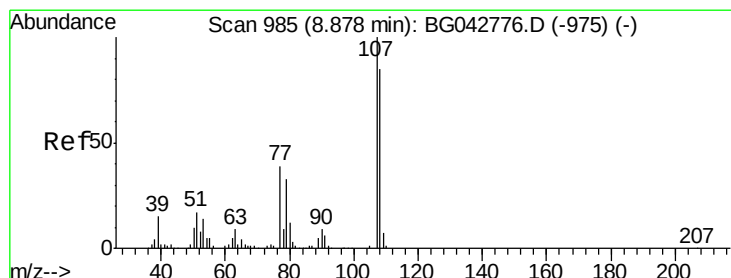
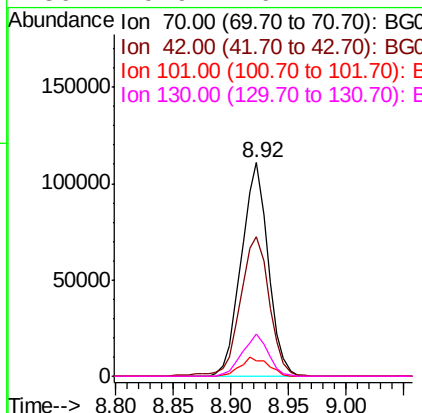
#19
n-Nitroso-di-n-propylamine
Concen: 40.673 ng
RT: 8.92 min Scan# 993
Delta R.T. -0.01 min
Lab File: BG042812.D
Acq: 13 Sep 2019 11:33

Instrument :
BNA_G
ClientSampleId :
PB123017BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100				
42	65.3		57.0	85.6	
101	7.1		8.4	12.6	
130	19.9		16.1	24.1	

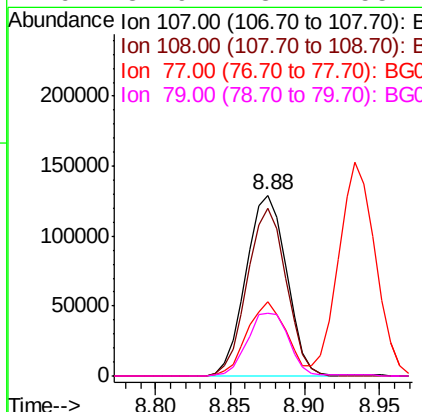
Manual Integrations
APPROVED

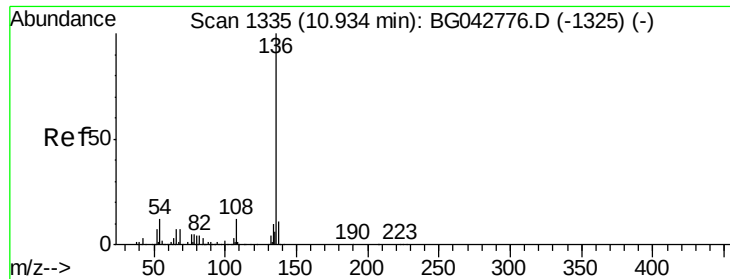
mohammad
9/16/2019 9:03:48 AM



#20
3+4-Methylphenols
Concen: 43.237 ng
RT: 8.88 min Scan# 985
Delta R.T. -0.00 min
Lab File: BG042812.D
Acq: 13 Sep 2019 11:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
108	93.0		65.4	105.4	
77	40.9		18.7	58.7	
79	34.9		13.7	53.7	





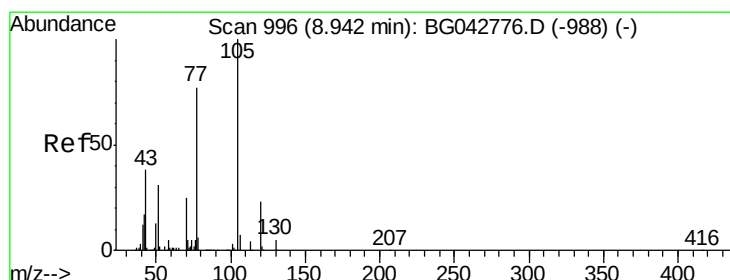
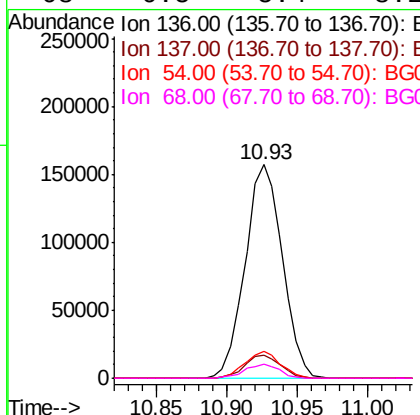
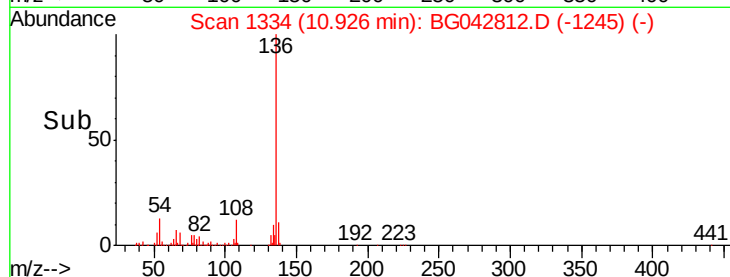
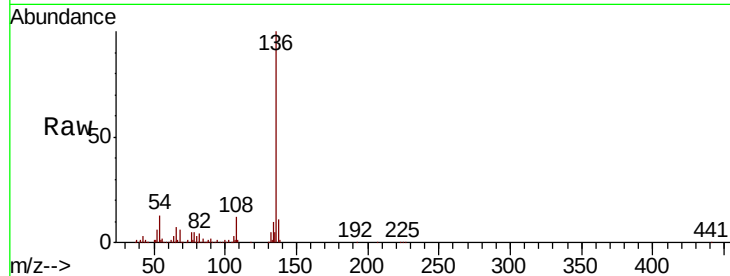
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1334
Delta R.T. -0.01 min
Lab File: BG042812.D
Acq: 13 Sep 2019 11:33

Instrument :
BNA_G
ClientSampleId :
PB123017BS

Tot Ion	Ratio	Resp	Lower	Upper
136	100	290699		
137	10.6		9.0	13.6
54	12.7		9.4	14.0
68	6.5		5.4	8.2

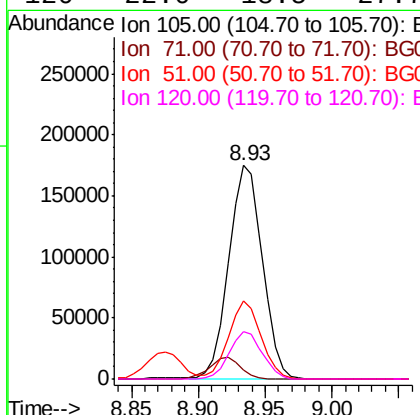
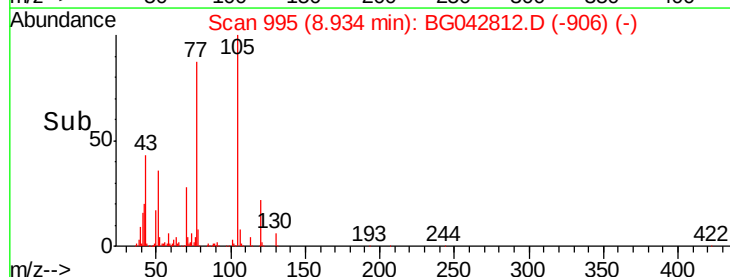
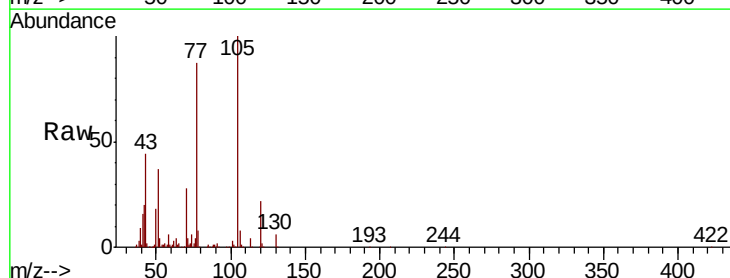
Manual Integrations
APPROVED

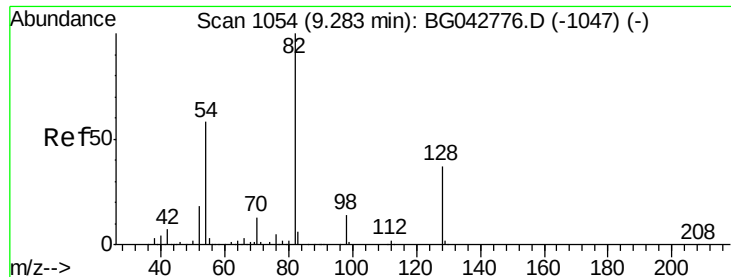
mohammad
9/16/2019 9:03:48 AM



#22
Acetophenone
Concen: 41.876 ng
RT: 8.93 min Scan# 995
Delta R.T. -0.01 min
Lab File: BG042812.D
Acq: 13 Sep 2019 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	307440		
71	4.4		3.7	5.5
51	36.6		28.8	43.2
120	22.0		18.5	27.7





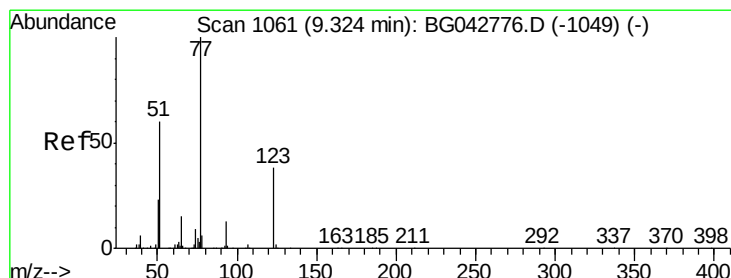
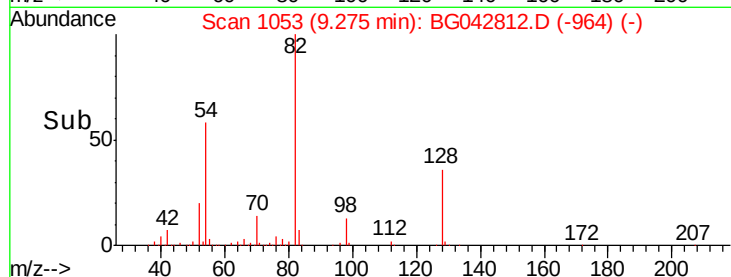
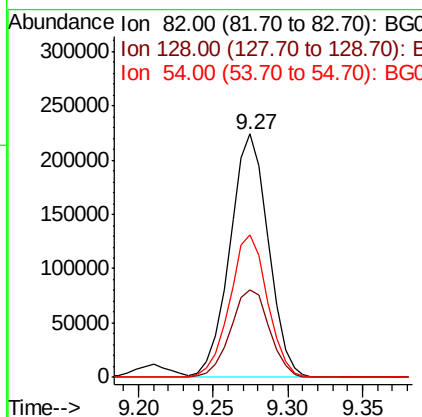
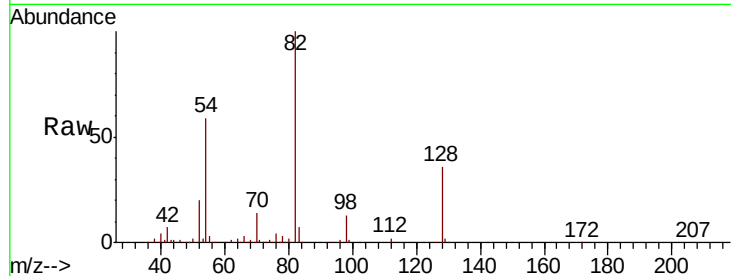
#23
Nitrobenzene-d5
Concen: 71.442 ng
RT: 9.27 min Scan# 1053
Delta R.T. -0.01 min
Lab File: BG042812.D
Acq: 13 Sep 2019 11:33

Instrument :
BNA_G
ClientSampleId :
PB123017BS

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	36.0	29.8	44.8	
54	58.6	46.1	69.1	

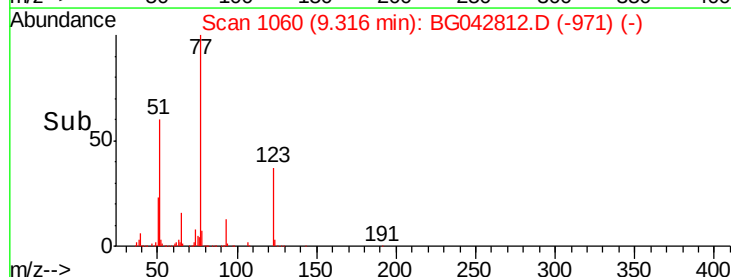
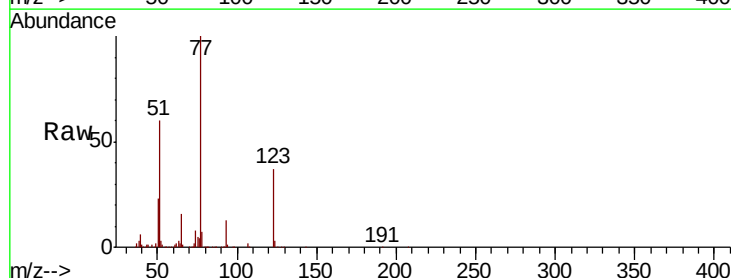
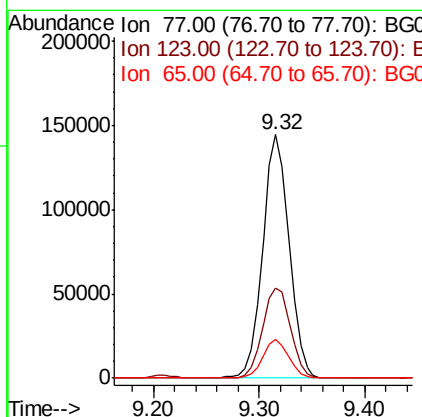
Manual Integrations
APPROVED

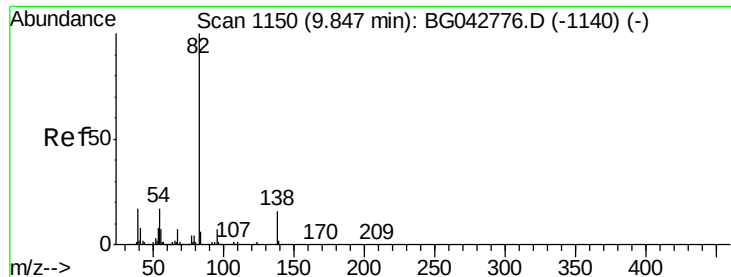
mohammad
9/16/2019 9:03:48 AM



#24
Nitrobenzene
Concen: 42.761 ng
RT: 9.32 min Scan# 1060
Delta R.T. -0.01 min
Lab File: BG042812.D
Acq: 13 Sep 2019 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
77	100			
123	36.9	30.7	46.1	
65	15.8	12.2	18.4	





#25

Isophorone

Concen: 41.111 ng

RT: 9.84 min Scan# 1150

Delta R.T. -0.00 min

Lab File: BG042812.D

Acq: 13 Sep 2019 11:33

Instrument :

BNA_G

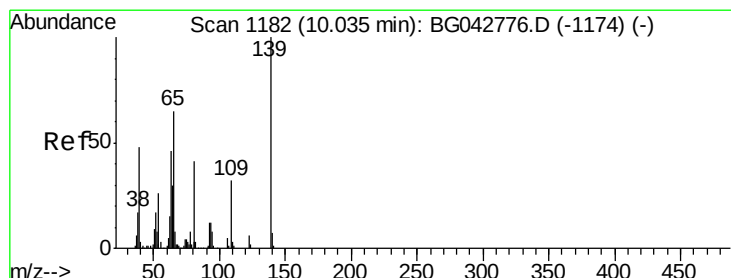
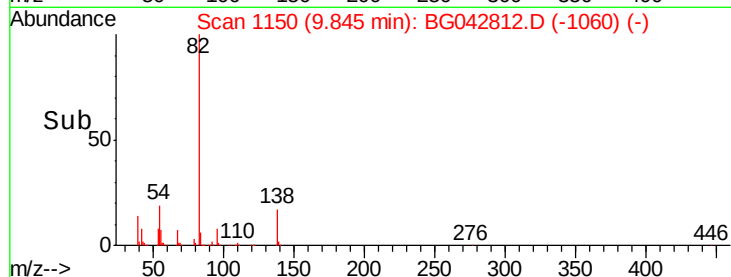
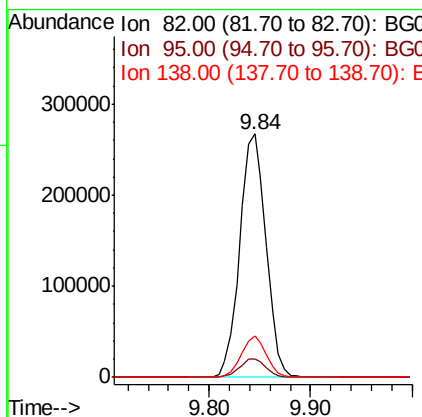
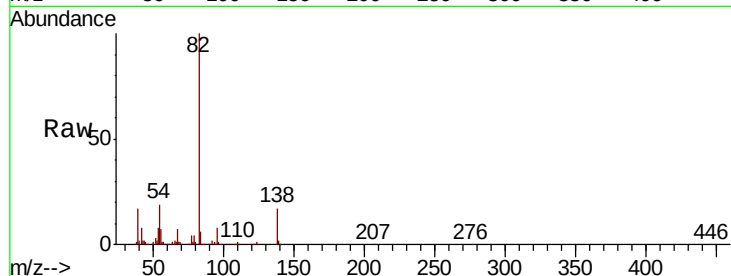
ClientSampleId :

PB123017BS

Tot Ion:	82	Resp:	478475
Ion Ratio	Lower	Upper	
82	100		
95	7.6	5.8	8.8
138	17.0	12.9	19.3

Manual Integrations
APPROVED

mohammad
9/16/2019 9:03:48 AM



#26

2-Nitrophenol

Concen: 45.104 ng

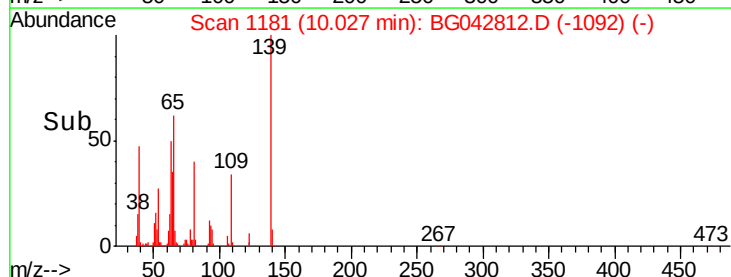
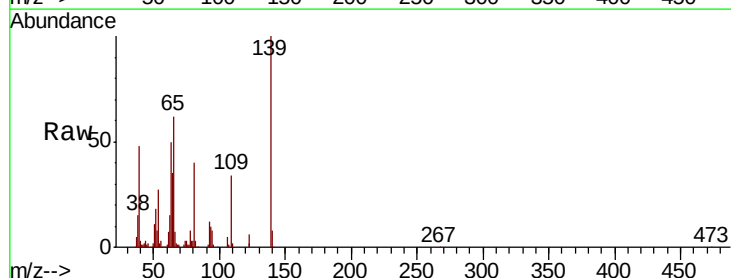
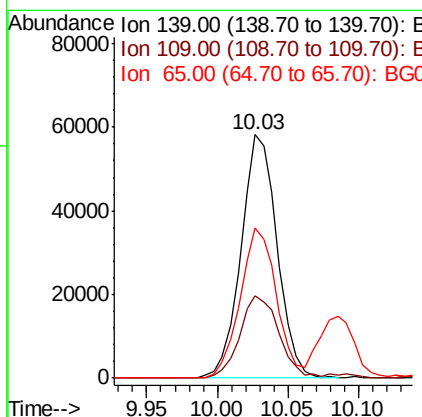
RT: 10.03 min Scan# 1181

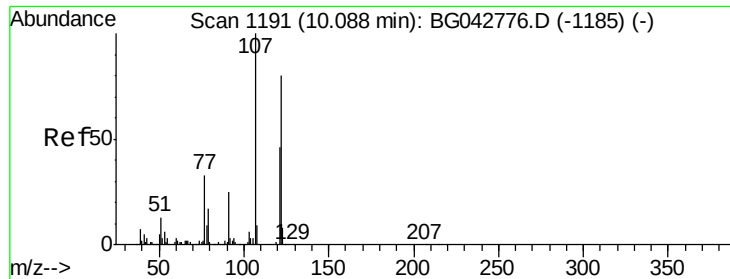
Delta R.T. -0.01 min

Lab File: BG042812.D

Acq: 13 Sep 2019 11:33

Tgt Ion:	139	Resp:	103948
Ion Ratio	Lower	Upper	
139	100		
109	33.8	25.8	38.8
65	61.5	52.2	78.2





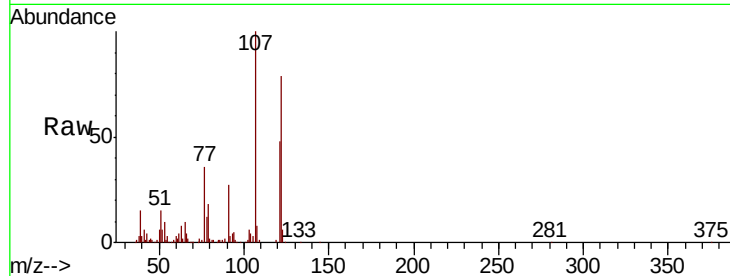
#27
 2,4-Dimethylphenol
 Concen: 49.362 ng
 RT: 10.09 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: BG042812.D
 Acq: 13 Sep 2019 11:33

Instrument :
 BNA_G
 ClientSampleId :
 PB123017BS

Tot Ion	Ratio	Resp	Lower	Upper
122	100	201237		
107	126.1	98.9	148.3	
121	60.4	46.2	69.2	

Manual Integrations
 APPROVED

mohammad
 9/16/2019 9:03:48 AM

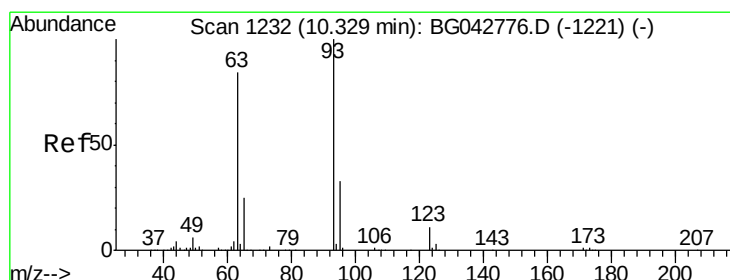
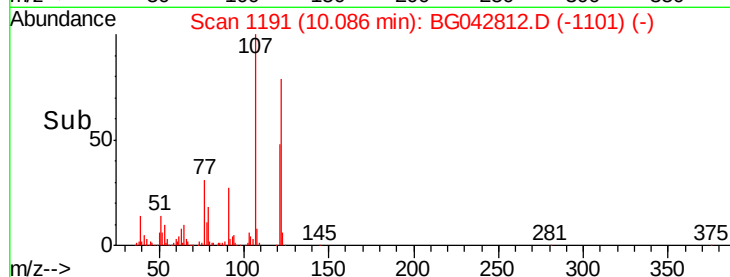
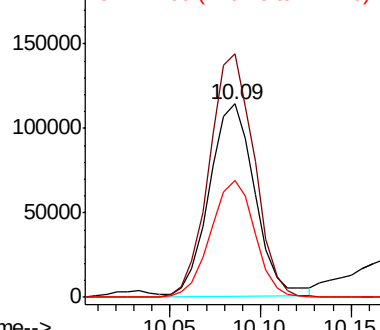


Abundance

Ion 122.00 (121.70 to 122.70): E

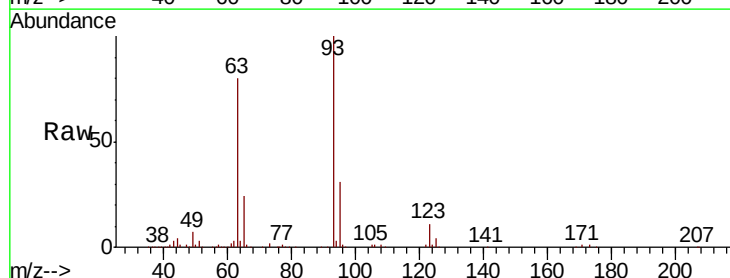
Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28
 bis(2-Chloroethoxy)methane
 Concen: 41.091 ng
 RT: 10.32 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BG042812.D
 Acq: 13 Sep 2019 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	266706		
95	31.4	26.6	40.0	
123	10.8	9.0	13.6	

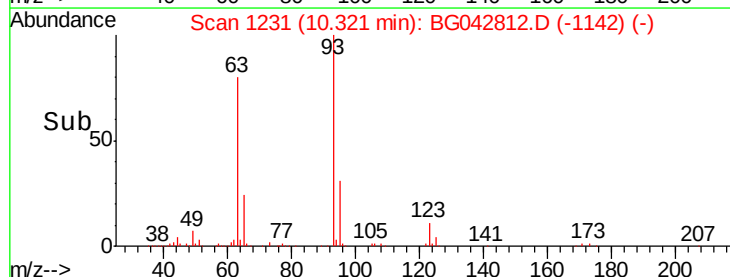
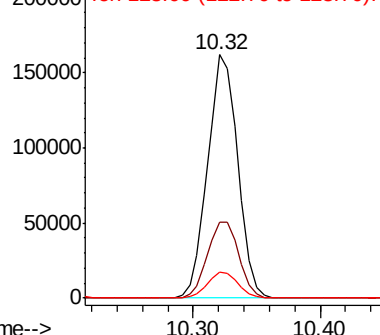


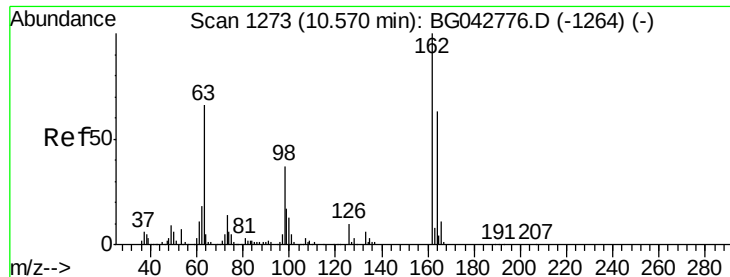
Abundance

Ion 93.00 (92.70 to 93.70): BGC

Ion 95.00 (94.70 to 95.70): BGC

Ion 123.00 (122.70 to 123.70): E





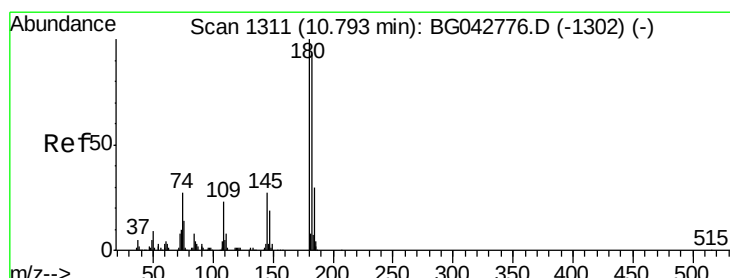
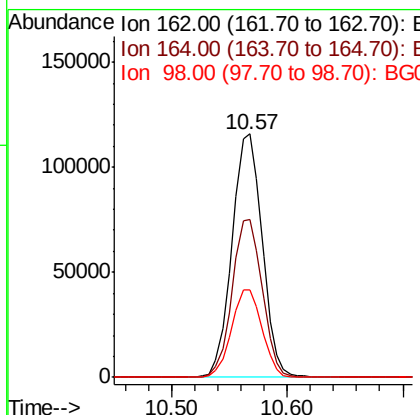
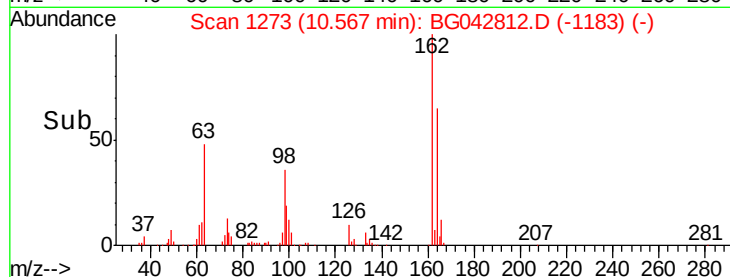
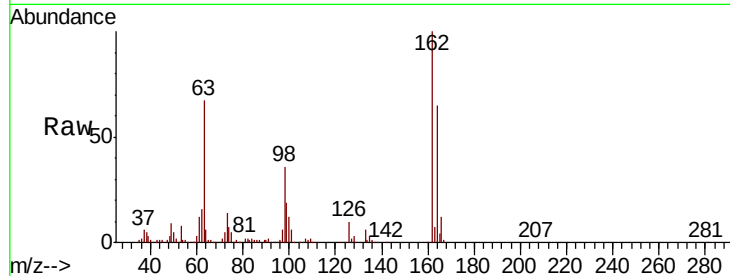
#29
2,4-Dichlorophenol
Concen: 44.261 ng
RT: 10.57 min Scan# 1273
Delta R.T. -0.00 min
Lab File: BG042812.D
Acq: 13 Sep 2019 11:33

Instrument :
BNA_G
ClientSampleId :
PB123017BS

Tot Ion	Ratio	Resp	Lower	Upper
162	100	209682		
164	64.8	43.4	83.4	
98	36.2	17.0	57.0	

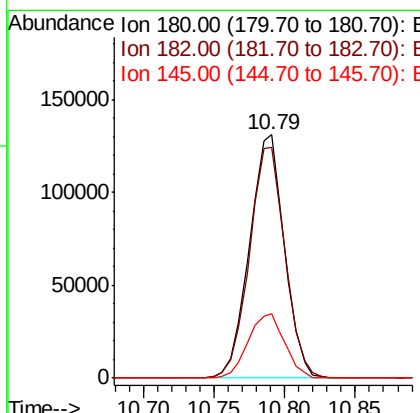
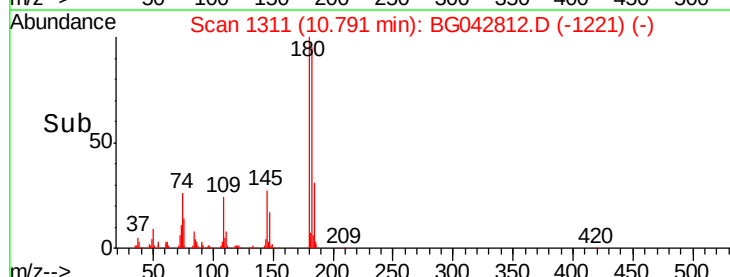
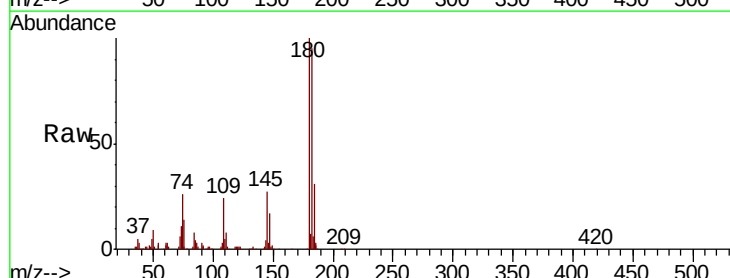
Manual Integrations
APPROVED

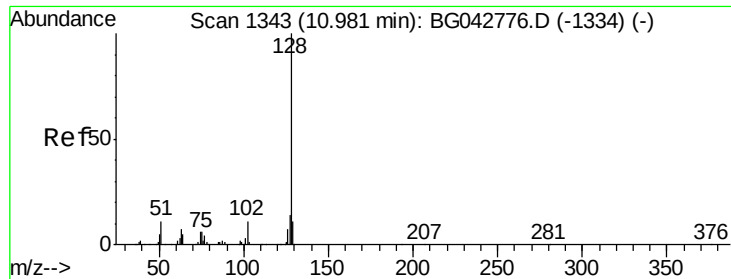
mohammad
9/16/2019 9:03:48 AM



#30
1,2,4-Trichlorobenzene
Concen: 39.412 ng
RT: 10.79 min Scan# 1311
Delta R.T. -0.00 min
Lab File: BG042812.D
Acq: 13 Sep 2019 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	227957		
182	94.7	74.6	112.0	
145	26.6	21.8	32.6	





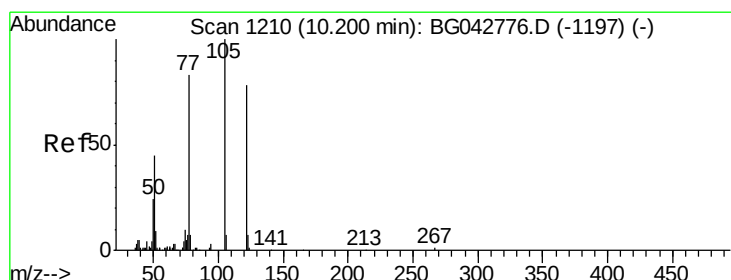
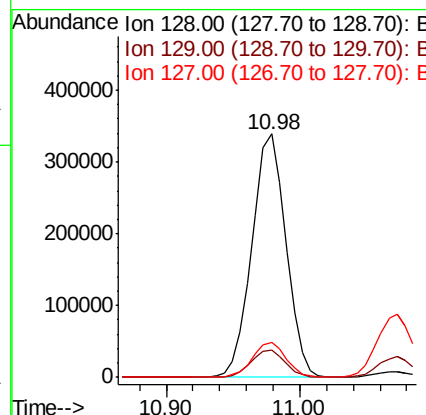
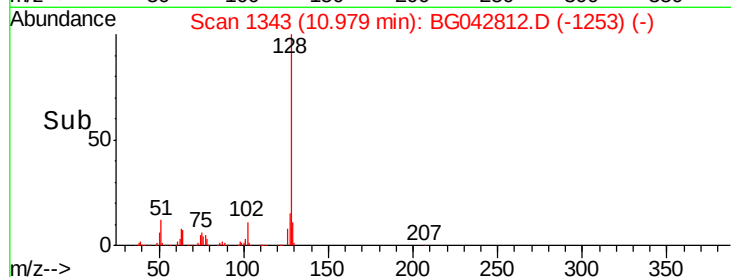
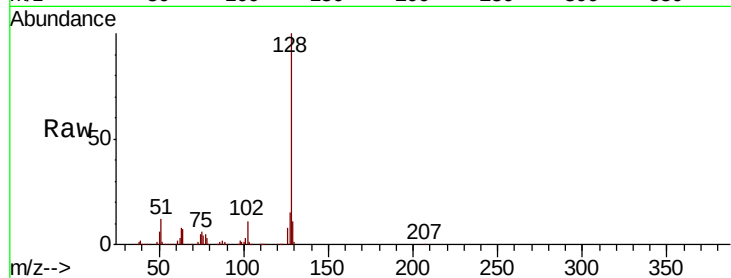
#31
Naphthalene
Concen: 41.546 ng
RT: 10.98 min Scan# 1343
Delta R.T. -0.00 min
Lab File: BG042812.D
Acq: 13 Sep 2019 11:33

Instrument :
BNA_G
ClientSampleId :
PB123017BS

Tot Ion	Ratio	Resp	Lower	Upper
128	100			
129	11.3	9.0	13.6	
127	14.6	11.4	17.2	

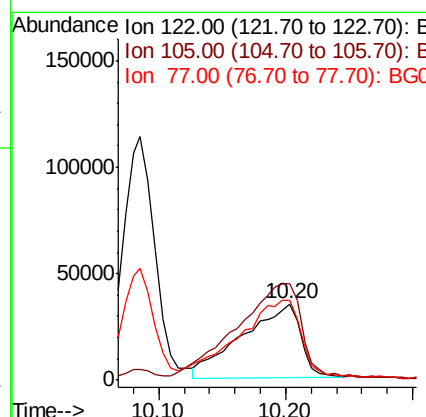
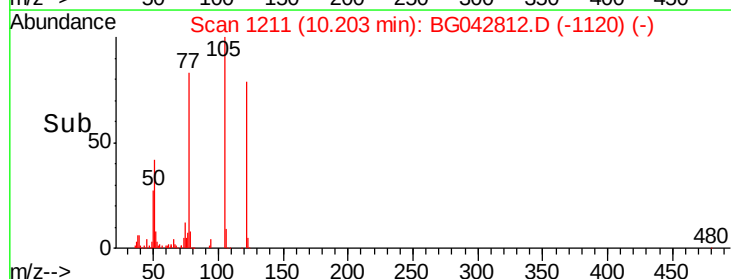
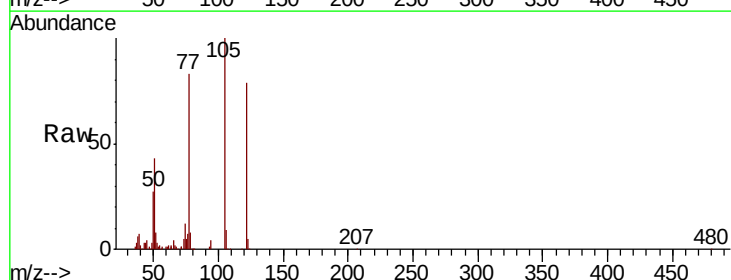
Manual Integrations
APPROVED

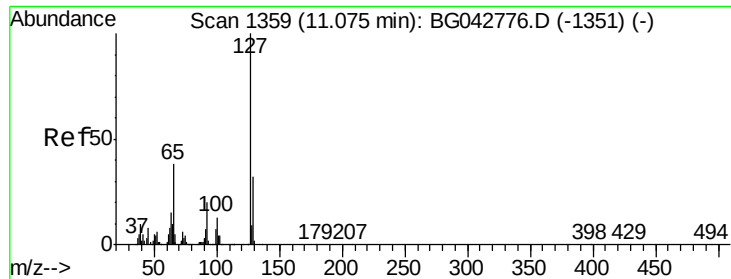
mohammad
9/16/2019 9:03:48 AM



#32
Benzoic acid
Concen: 35.406 ng
RT: 10.20 min Scan# 1211
Delta R.T. 0.00 min
Lab File: BG042812.D
Acq: 13 Sep 2019 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
122	100			
105	126.1	104.0	144.0	
77	104.1	84.2	124.2	





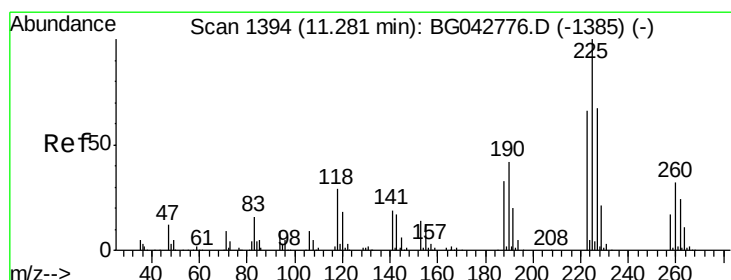
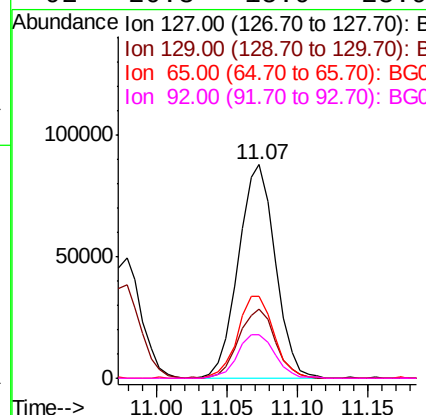
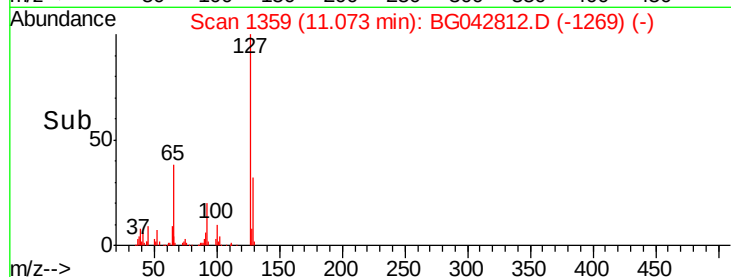
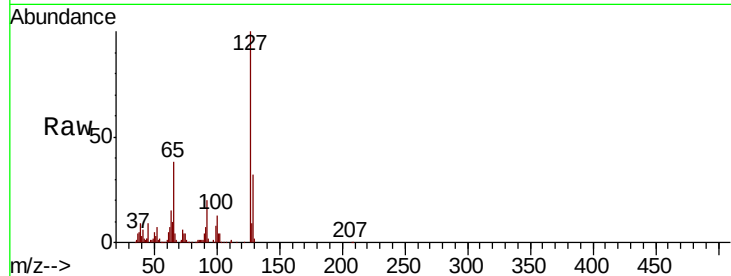
#33
4-Chloroaniline
Concen: 23.851 ng
RT: 11.07 min Scan# 1359
Delta R.T. -0.00 min
Lab File: BG042812.D
Acq: 13 Sep 2019 11:33

Instrument :
BNA_G
ClientSampled :
PB123017BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	32.2	25.8	38.6		
65	38.5	30.5	45.7		
92	20.3	15.9	23.9		

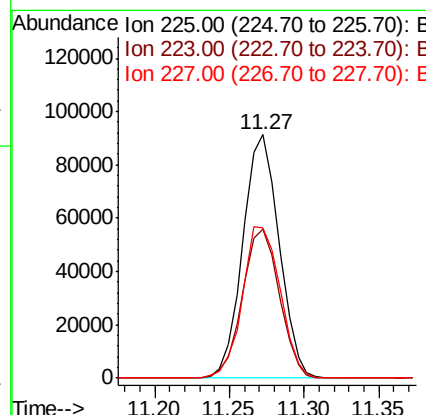
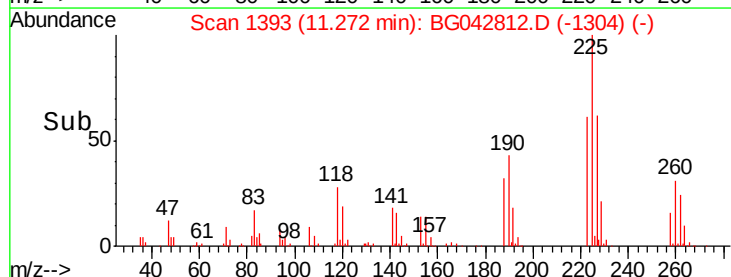
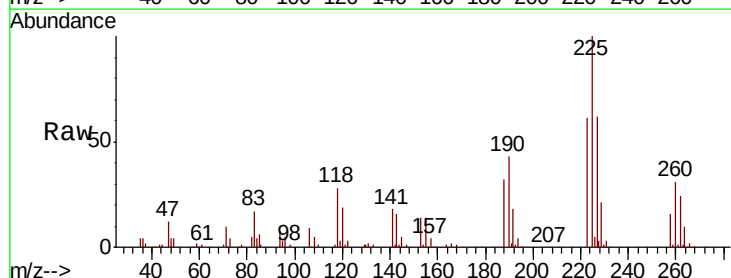
Manual Integrations
APPROVED

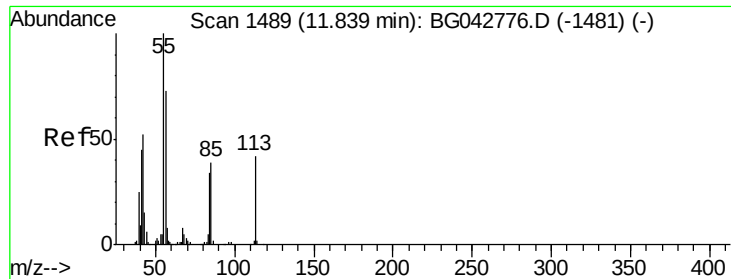
mohammad
9/16/2019 9:03:48 AM



#34
Hexachlorobutadiene
Concen: 37.977 ng
RT: 11.27 min Scan# 1393
Delta R.T. -0.01 min
Lab File: BG042812.D
Acq: 13 Sep 2019 11:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	61.3	52.6	79.0		
227	61.6	53.6	80.4		





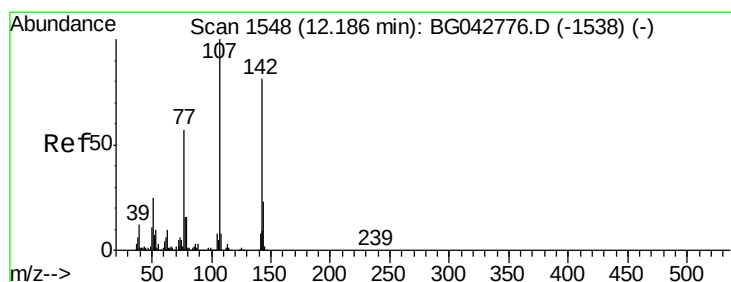
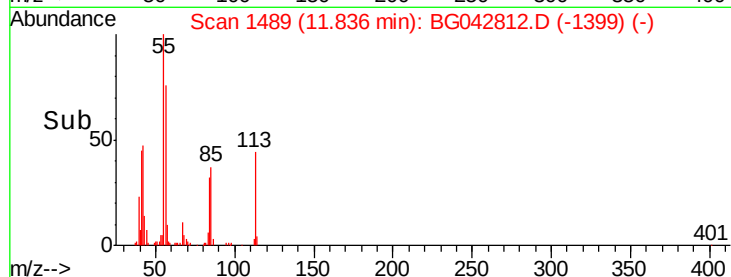
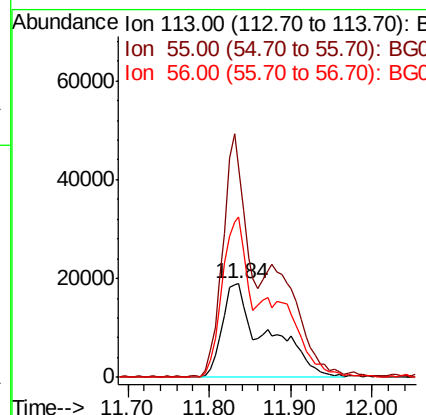
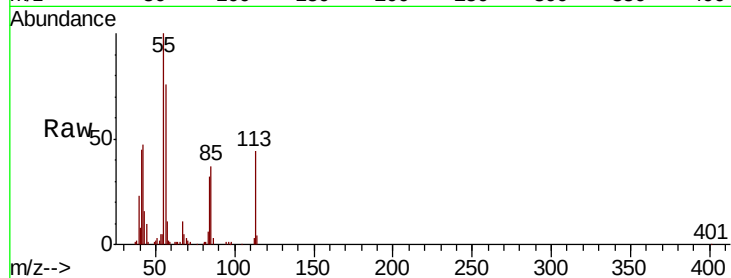
#35
 Caprolactam
 Concen: 41.183 ng/ml
 RT: 11.84 min Scan# 1489
 Delta R.T. -0.00 min
 Lab File: BG042812.D
 Acq: 13 Sep 2019 11:33

Instrument :
 BNA_G
 ClientSampleId :
 PB123017BS

Tot Ion	Ratio	Lower	Upper
113	100		
55	225.4	218.4	258.4
56	171.8	154.8	194.8

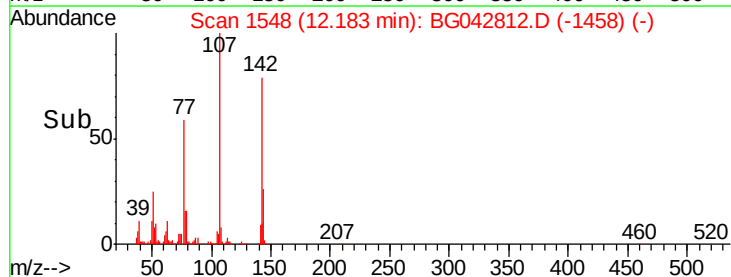
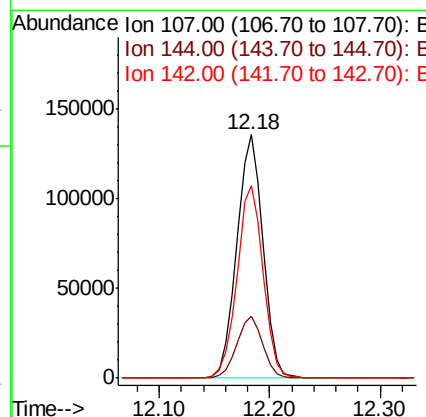
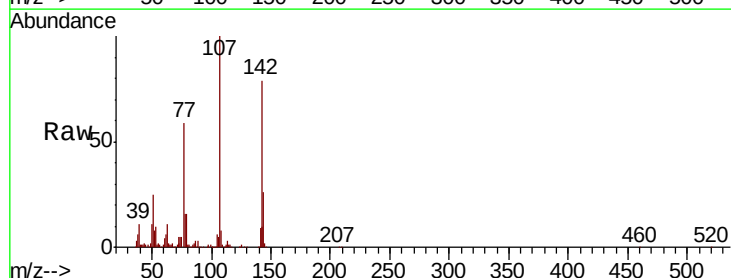
Manual Integrations
 APPROVED

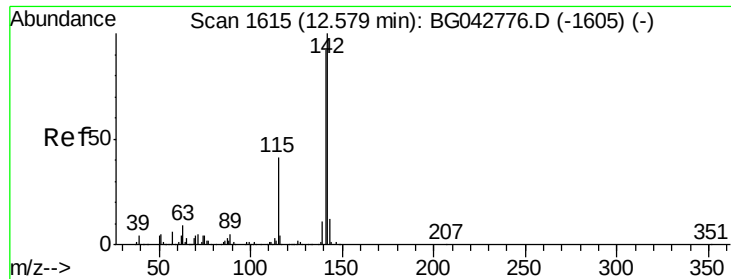
mohammad
 9/16/2019 9:03:48 AM



#36
 4-Chloro-3-methylphenol
 Concen: 43.822 ng/ml
 RT: 12.18 min Scan# 1548
 Delta R.T. -0.00 min
 Lab File: BG042812.D
 Acq: 13 Sep 2019 11:33

Tgt Ion	Ratio	Lower	Upper
107	100		
144	25.5	18.7	28.1
142	78.9	65.0	97.4





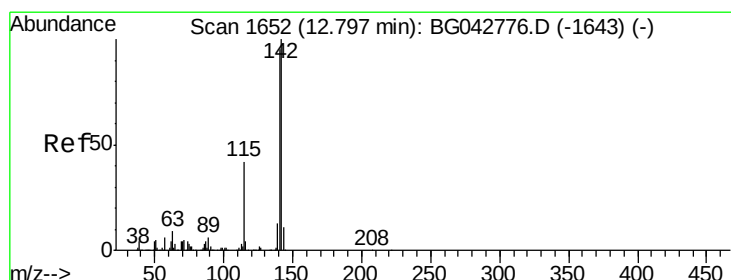
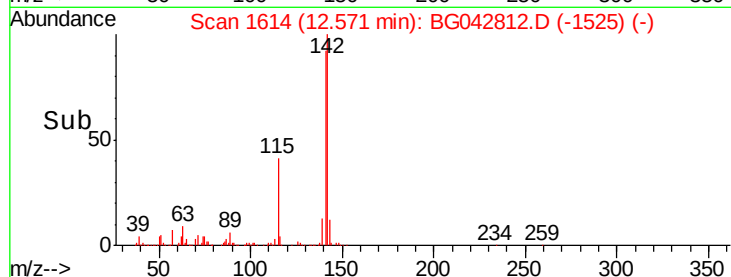
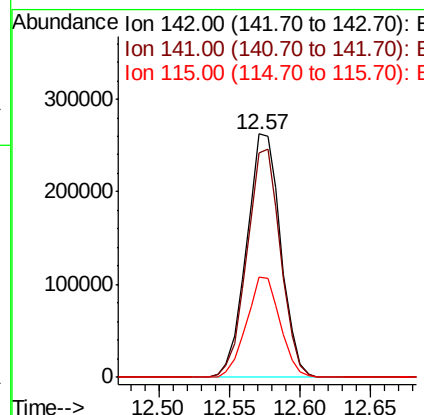
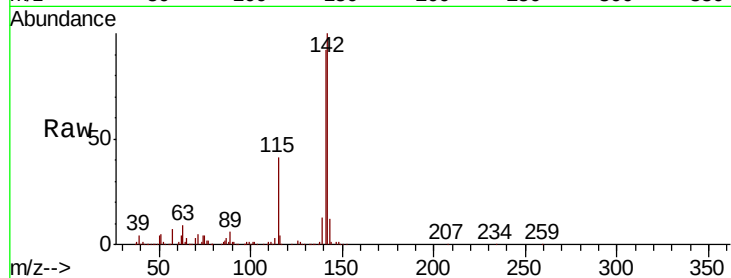
#37
2-Methylnaphthalene
Concen: 41.343 ng
RT: 12.57 min Scan# 1614
Delta R.T. -0.01 min
Lab File: BG042812.D
Acq: 13 Sep 2019 11:33

Instrument :
BNA_G
ClientSampleId :
PB123017BS

Tot Ion	Ratio	Resp	Lower	Upper
142	100	444502		
141	92.2	73.8	110.8	
115	41.0	33.0	49.4	

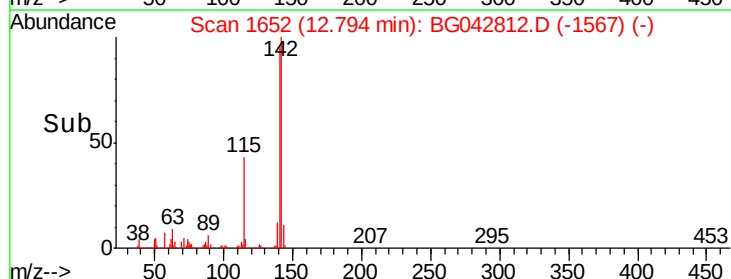
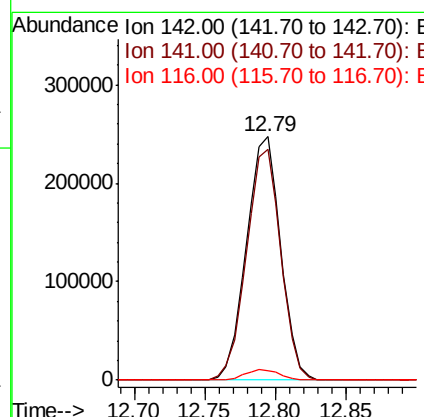
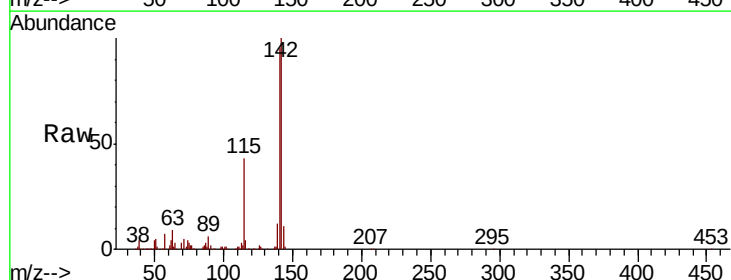
Manual Integrations
APPROVED

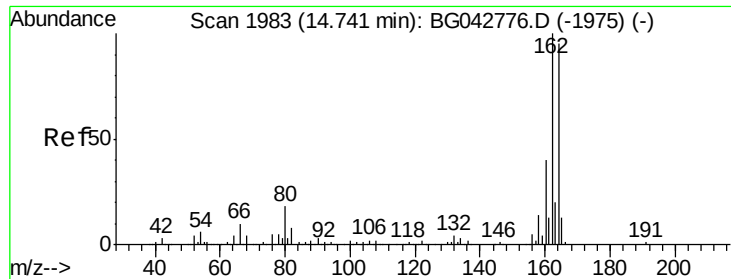
mohammad
9/16/2019 9:03:48 AM



#38
1-Methylnaphthalene
Concen: 41.578 ng
RT: 12.79 min Scan# 1652
Delta R.T. -0.00 min
Lab File: BG042812.D
Acq: 13 Sep 2019 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	419273		
141	94.7	76.3	114.5	
116	4.0	3.4	5.0	





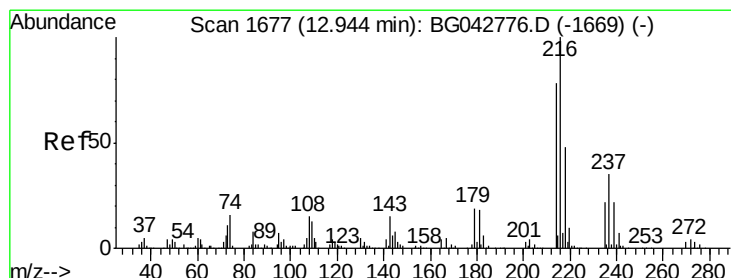
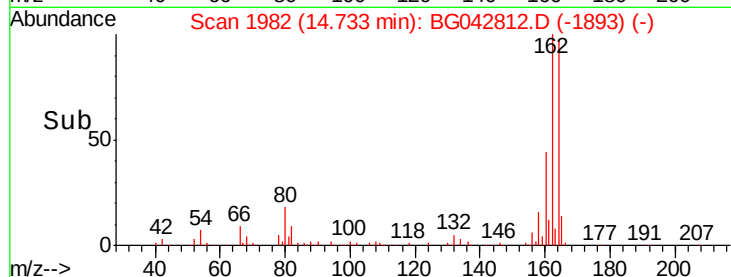
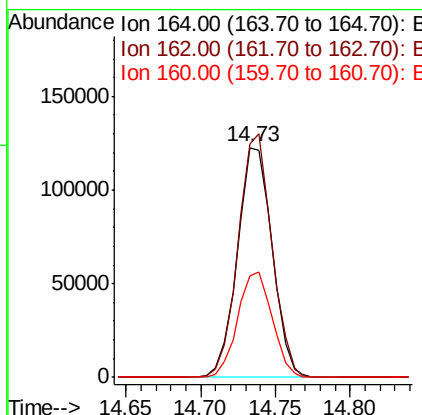
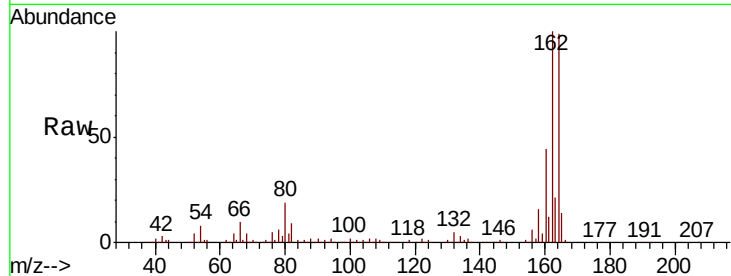
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.73 min Scan# 1982
Delta R.T. -0.01 min
Lab File: BG042812.D
Acq: 13 Sep 2019 11:33

Instrument :
BNA_G
ClientSampleId :
PB123017BS

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.4	84.6	126.8	
160	44.4	34.2	51.2	

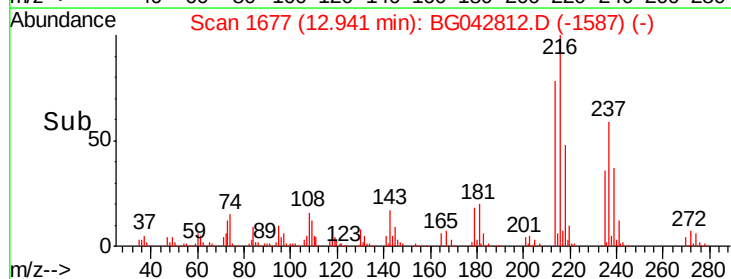
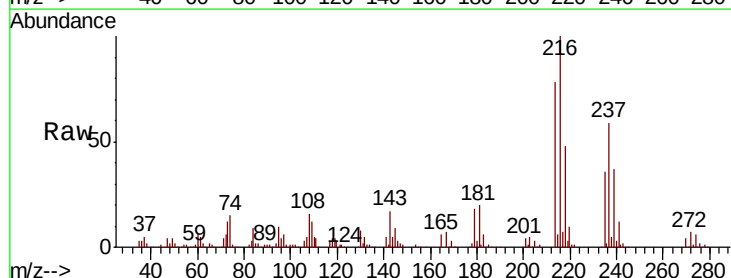
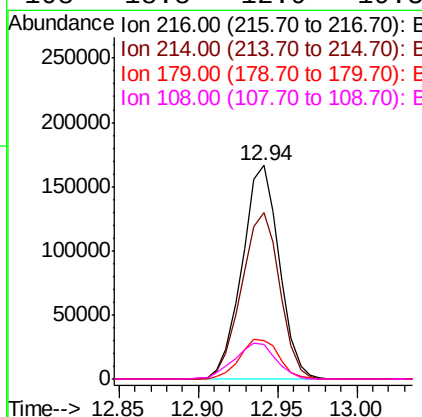
Manual Integrations
APPROVED

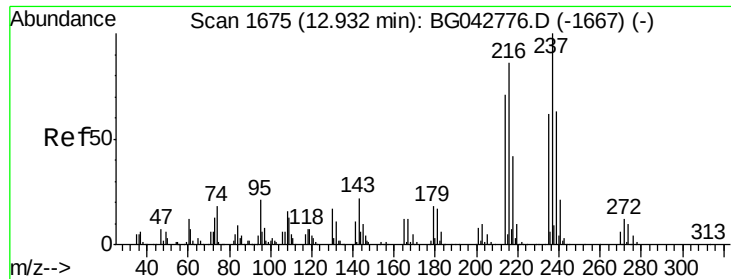
mohammad
9/16/2019 9:03:48 AM



#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.318 ng
RT: 12.94 min Scan# 1677
Delta R.T. -0.00 min
Lab File: BG042812.D
Acq: 13 Sep 2019 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
216	100			
214	80.1	62.8	94.2	
179	19.8	15.3	22.9	
108	18.8	12.9	19.3	





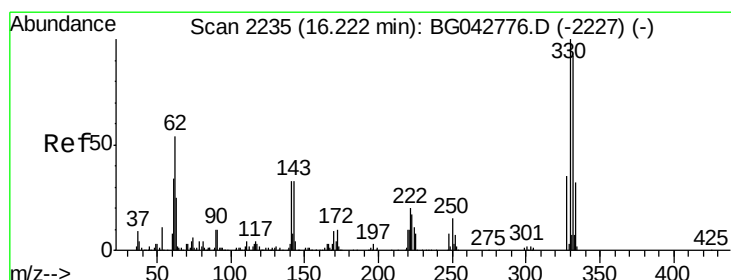
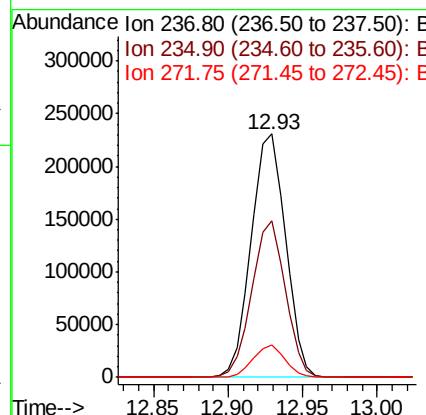
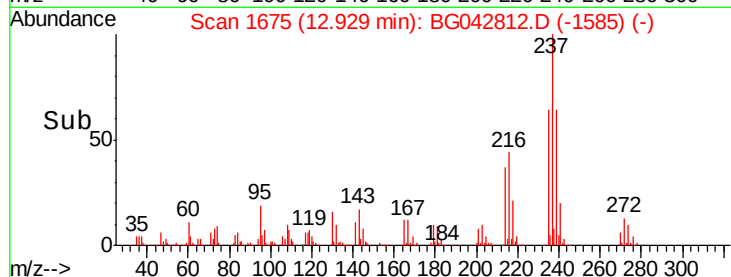
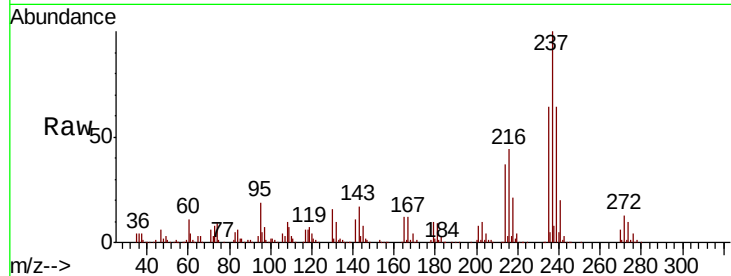
#41
Hexachlorocyclopentadiene
Concen: 98.244 ng
RT: 12.93 min Scan# 1675
Delta R.T. -0.00 min
Lab File: BG042812.D
Acq: 13 Sep 2019 11:33

Instrument :
BNA_G
ClientSampleId :
PB123017BS

Tot Ion	Ratio	Resp	Lower	Upper
237	100			
235	64.1	41.9	81.9	
272	13.2	0.0	31.6	

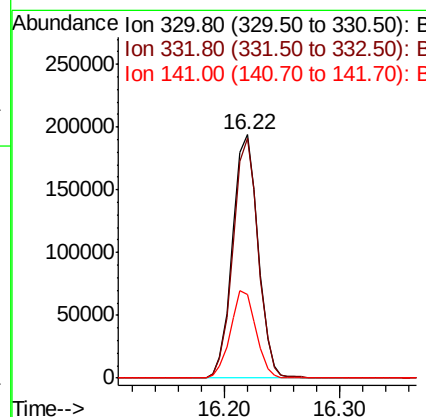
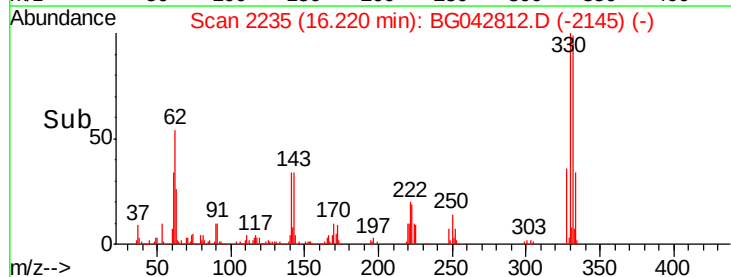
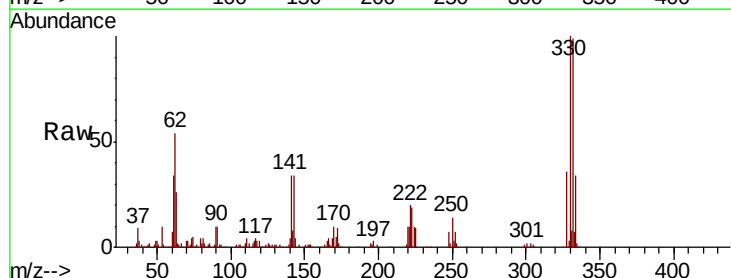
Manual Integrations
APPROVED

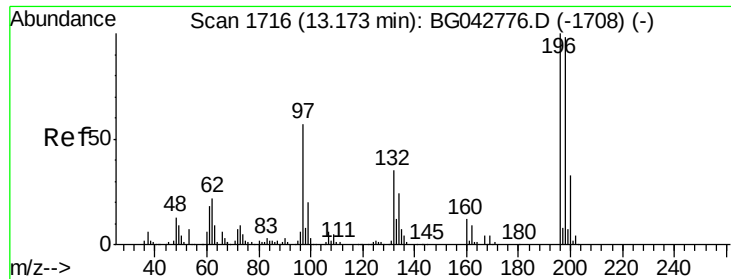
mohammad
9/16/2019 9:03:48 AM



#42
2,4,6-Tribromophenol
Concen: 113.382 ng
RT: 16.22 min Scan# 2235
Delta R.T. -0.00 min
Lab File: BG042812.D
Acq: 13 Sep 2019 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.5	76.7	115.1	
141	35.7	27.0	40.6	





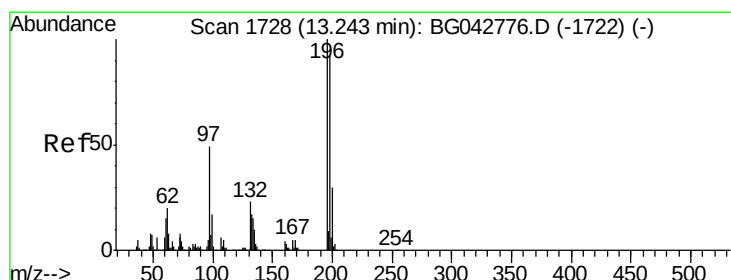
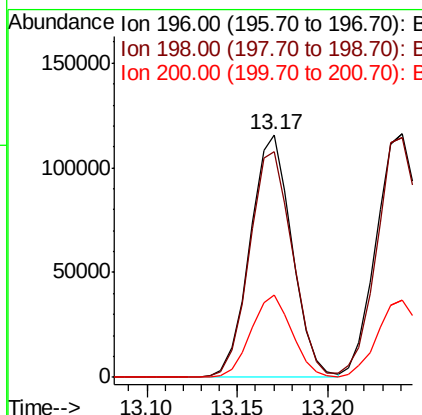
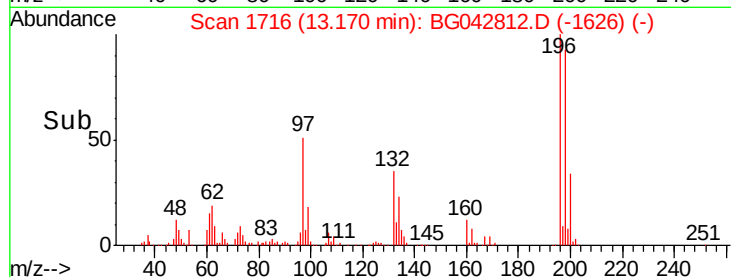
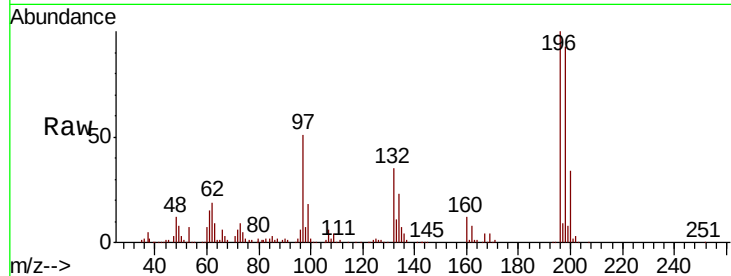
#43
 2,4,6-Trichlorophenol
 Concen: 42.714 ng
 RT: 13.17 min Scan# 1716
 Delta R.T. -0.00 min
 Lab File: BG042812.D
 Acq: 13 Sep 2019 11:33

Instrument :
 BNA_G
 ClientSampleId :
 PB123017BS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	186083		
198	93.1	78.8	118.2	
200	33.8	26.2	39.4	

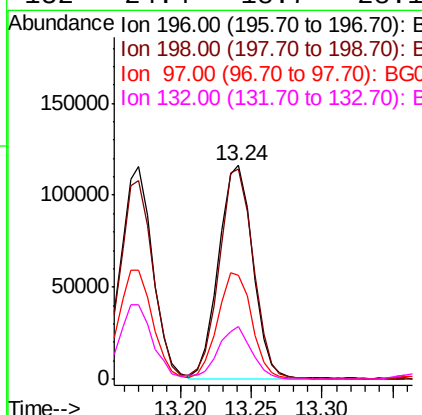
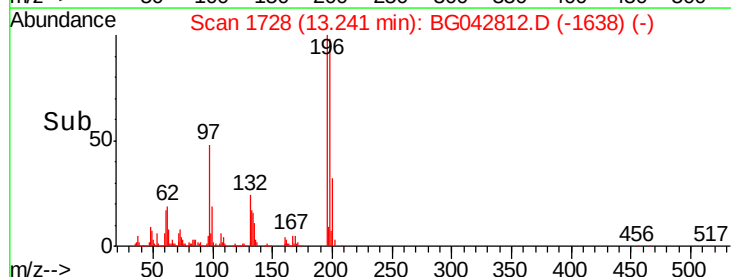
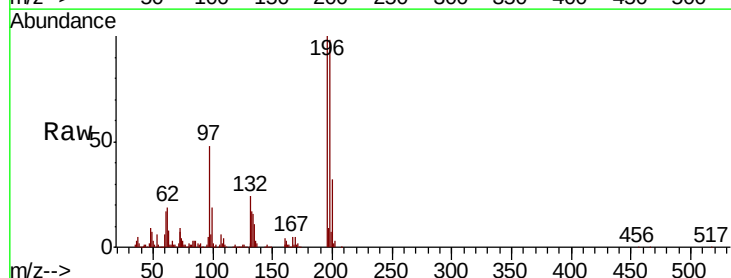
Manual Integrations
 APPROVED

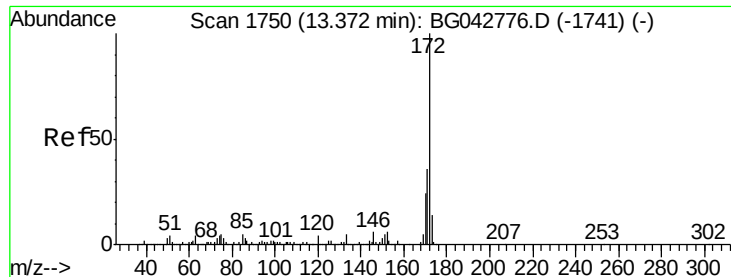
mohammad
 9/16/2019 9:03:48 AM



#44
 2,4,5-Trichlorophenol
 Concen: 44.251 ng
 RT: 13.24 min Scan# 1728
 Delta R.T. -0.00 min
 Lab File: BG042812.D
 Acq: 13 Sep 2019 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	197462		
198	98.5	73.4	110.0	
97	48.3	39.2	58.8	
132	24.4	18.7	28.1	





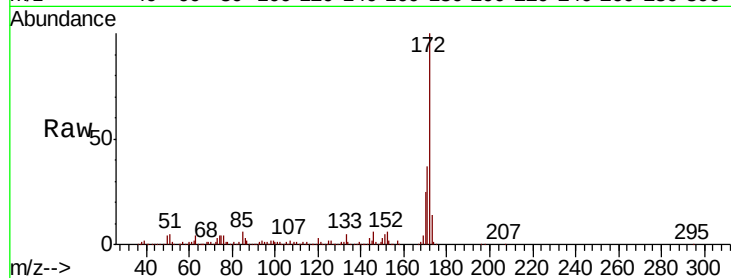
#45
2-Fluorobiphenyl
Concen: 70.891 ng
RT: 13.36 min Scan# 1749
Delta R.T. -0.01 min
Lab File: BG042812.D
Acq: 13 Sep 2019 11:33

Instrument :
BNA_G
ClientSampleId :
PB123017BS

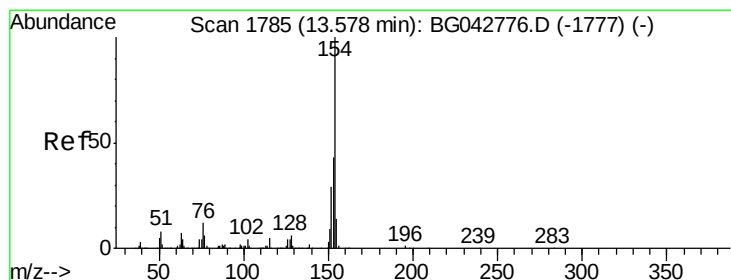
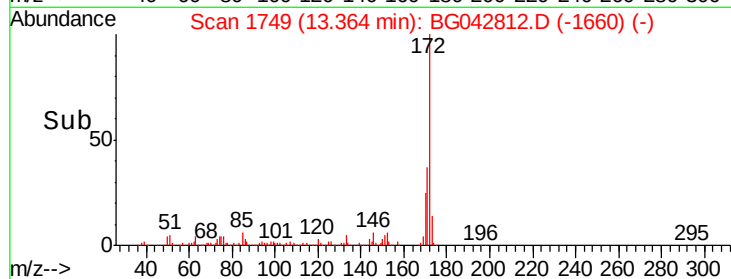
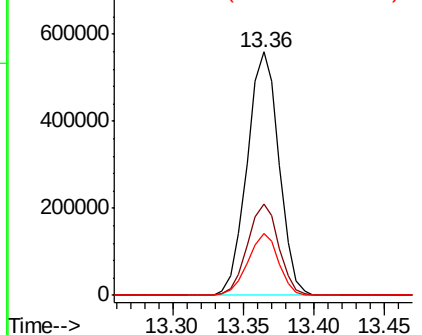
Tot Ion:	172	Resp:	886855
Ion Ratio	Lower	Upper	
172	100		
171	37.4	28.9	43.3
170	25.3	19.1	28.7

Manual Integrations
APPROVED

mohammad
9/16/2019 9:03:48 AM

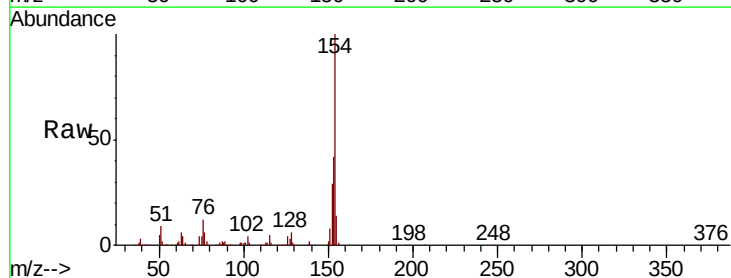


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

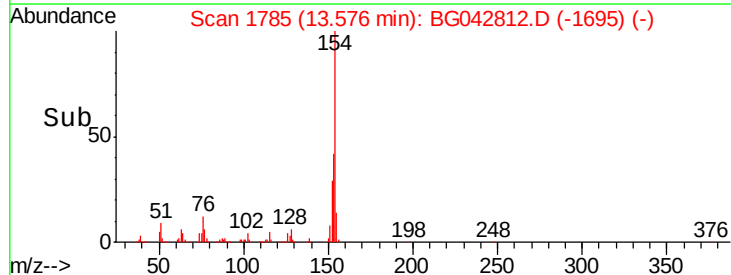
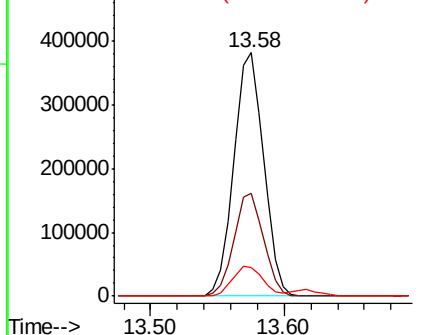


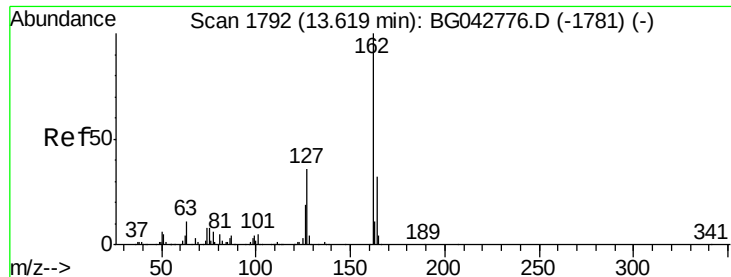
#46
1,1'-Biphenyl
Concen: 42.726 ng
RT: 13.58 min Scan# 1785
Delta R.T. -0.00 min
Lab File: BG042812.D
Acq: 13 Sep 2019 11:33

Tgt Ion:	154	Resp:	592318
Ion Ratio	Lower	Upper	
154	100		
153	42.2	22.6	62.6
76	11.9	0.0	32.2



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BGC





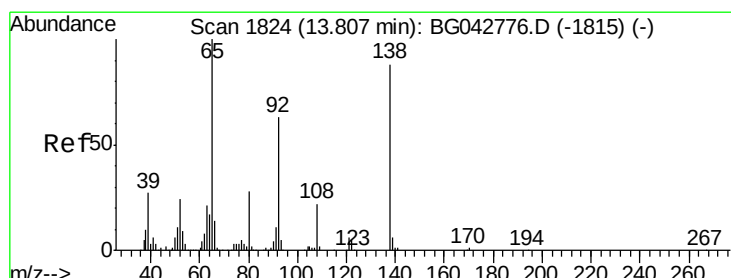
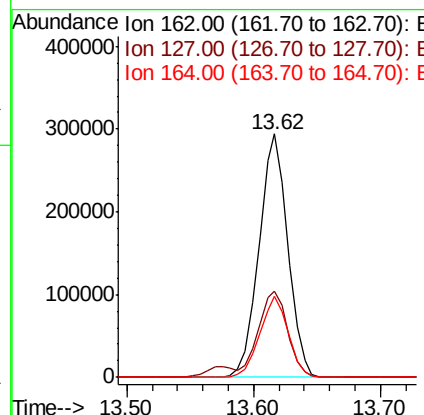
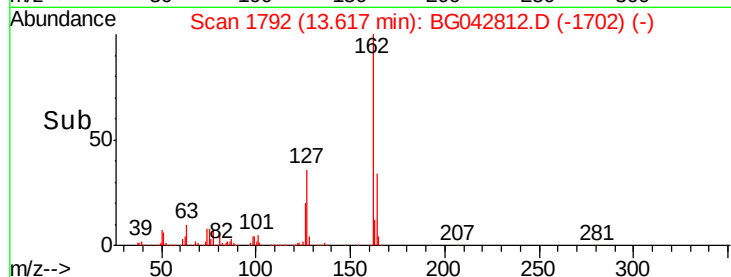
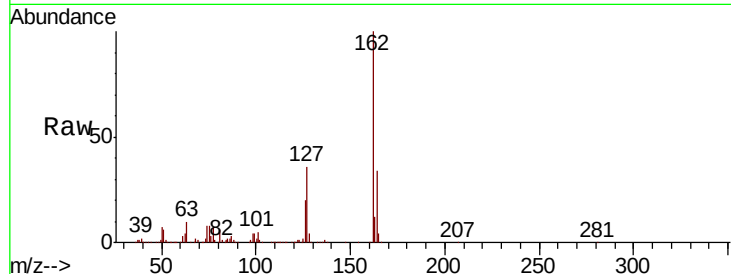
#47
2-Chloronaphthalene
Concen: 40.588 ng
RT: 13.62 min Scan# 1792
Delta R.T. -0.00 min
Lab File: BG042812.D
Acq: 13 Sep 2019 11:33

Instrument :
BNA_G
ClientSampleId :
PB123017BS

Tot Ion	Ratio	Resp Lower	Upper
162	100		
127	35.6	29.3	43.9
164	33.5	26.0	39.0

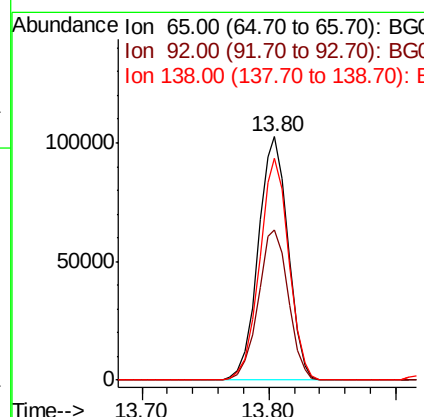
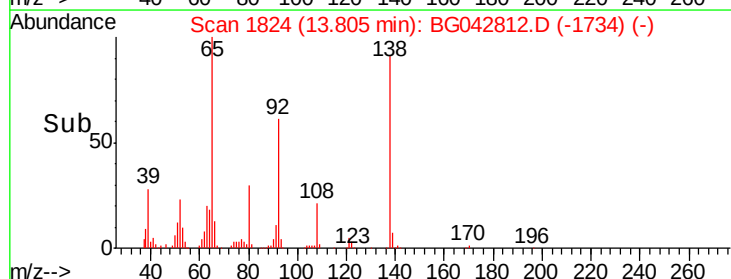
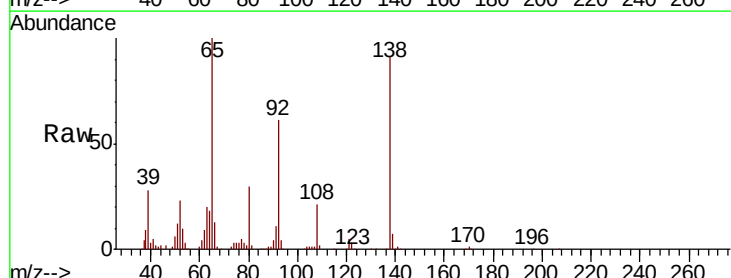
Manual Integrations
APPROVED

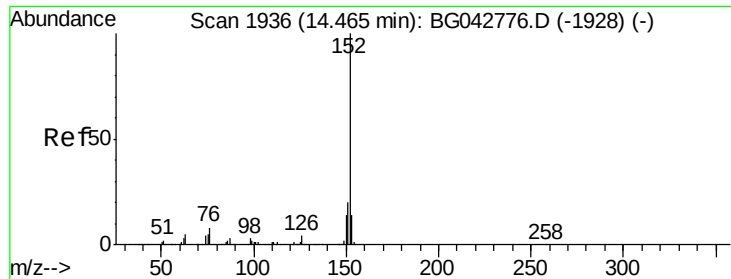
mohammad
9/16/2019 9:03:48 AM



#48
2-Nitroaniline
Concen: 42.205 ng
RT: 13.80 min Scan# 1824
Delta R.T. -0.00 min
Lab File: BG042812.D
Acq: 13 Sep 2019 11:33

Tgt Ion	Ratio	Resp Lower	Upper
65	100		
92	61.5	50.4	75.6
138	91.3	70.6	106.0





#49

Acenaphthylene

Concen: 43.472 ng

RT: 14.46 min Scan# 1935

Delta R.T. -0.01 min

Lab File: BG042812.D

Acq: 13 Sep 2019 11:33

Instrument :

BNA_G

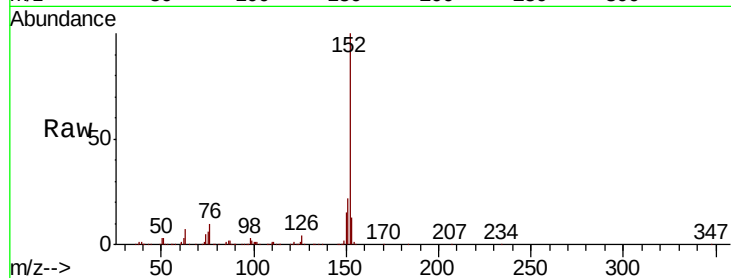
ClientSampleId :

PB123017BS

Tot Ion:	152	Resp:	761847
Ion Ratio	Lower	Upper	
152	100		
151	21.8	16.0	24.0
153	13.5	11.4	17.0

Manual Integrations
APPROVED

mohammad
9/16/2019 9:03:48 AM

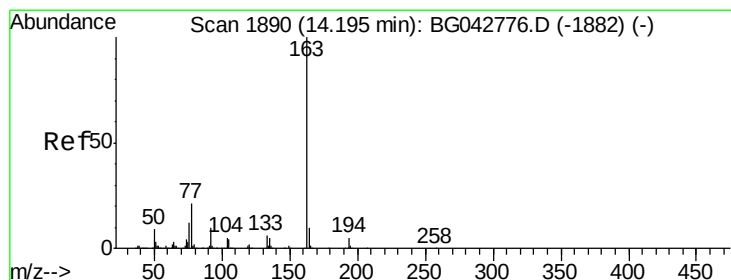
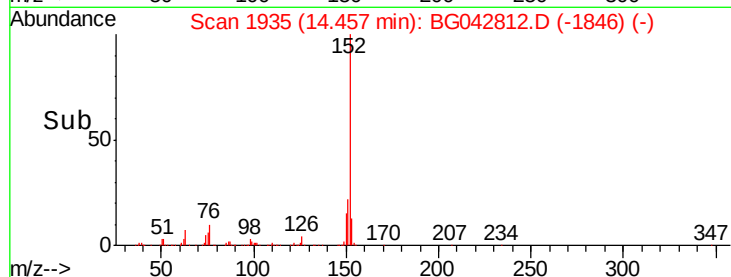
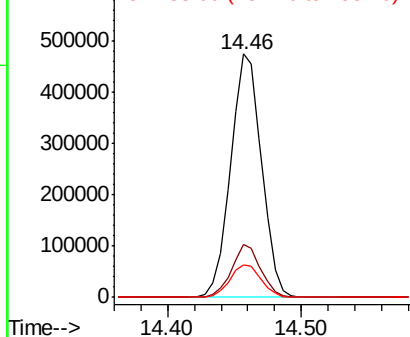


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 40.471 ng

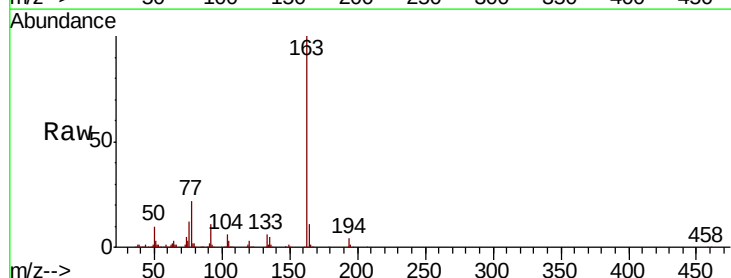
RT: 14.19 min Scan# 1889

Delta R.T. -0.01 min

Lab File: BG042812.D

Acq: 13 Sep 2019 11:33

Tgt Ion:	163	Resp:	600371
Ion Ratio	Lower	Upper	
163	100		
194	4.4	4.2	6.4
164	10.7	8.4	12.6

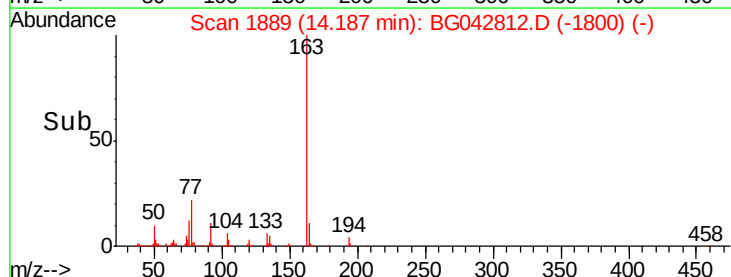
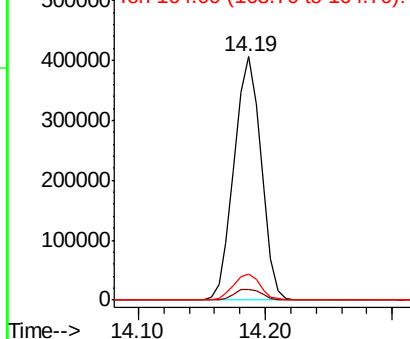


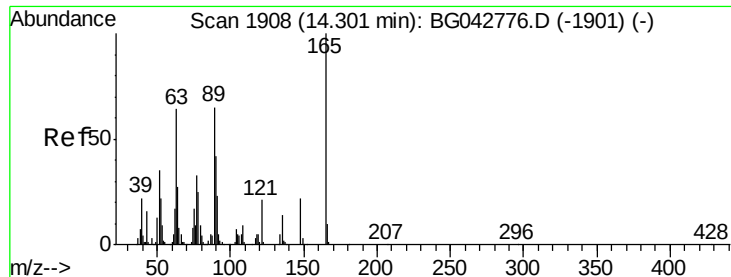
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





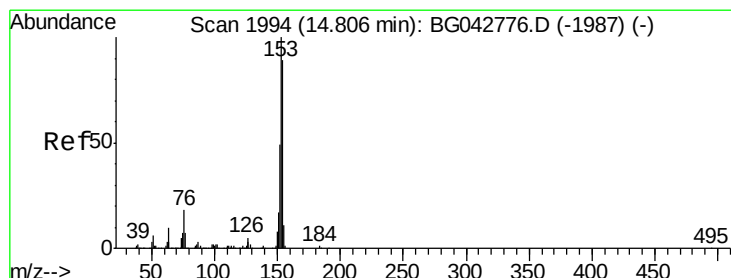
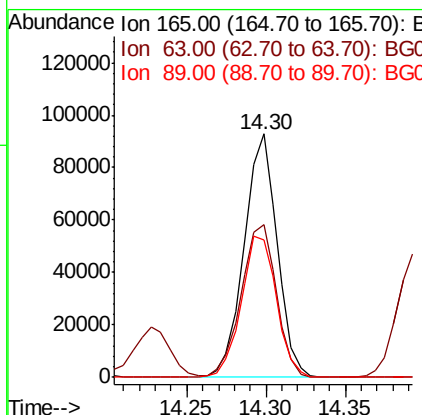
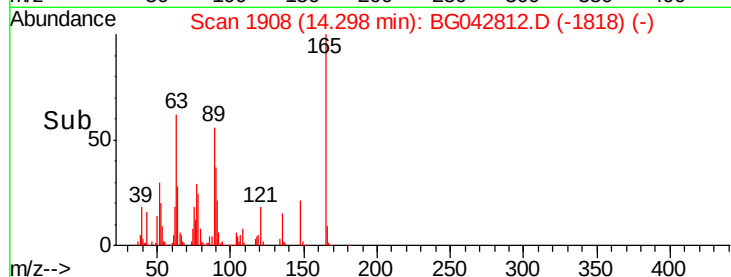
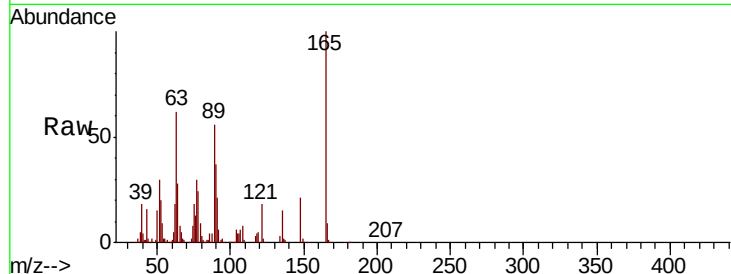
#51
 2,6-Dinitrotoluene
 Concen: 44.238 ng
 RT: 14.30 min Scan# 1908
 Delta R.T. -0.00 min
 Lab File: BG042812.D
 Acq: 13 Sep 2019 11:33

Instrument :
 BNA_G
 ClientSampleId :
 PB123017BS

Tot Ion	Ratio	Resp	Lower	Upper
165	100	134658		
63	62.5		52.1	78.1
89	56.2		51.7	77.5

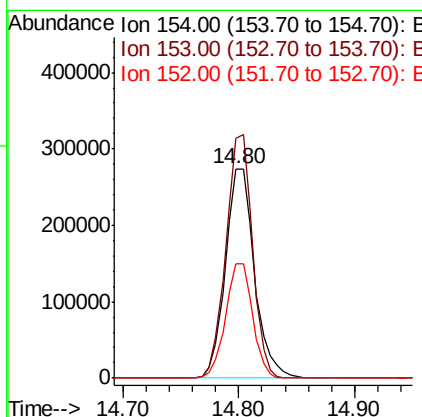
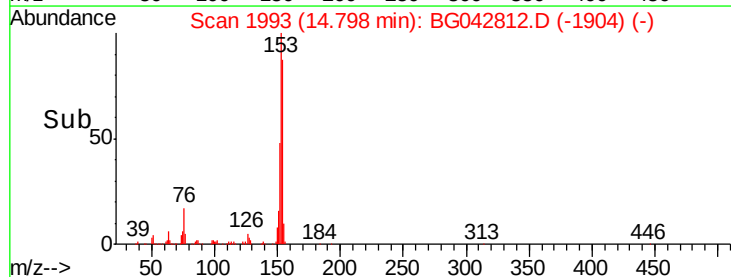
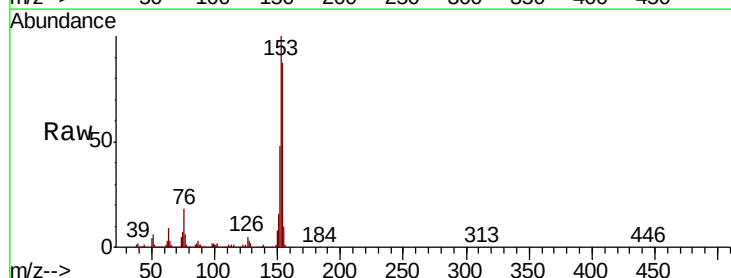
Manual Integrations
 APPROVED

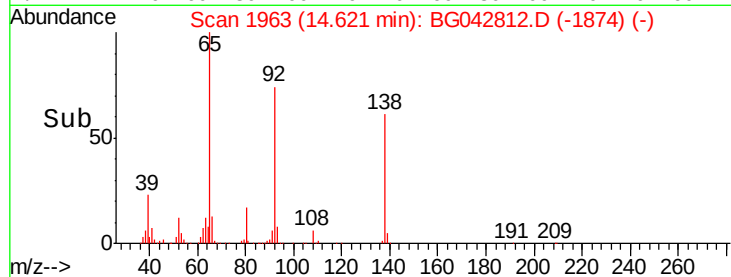
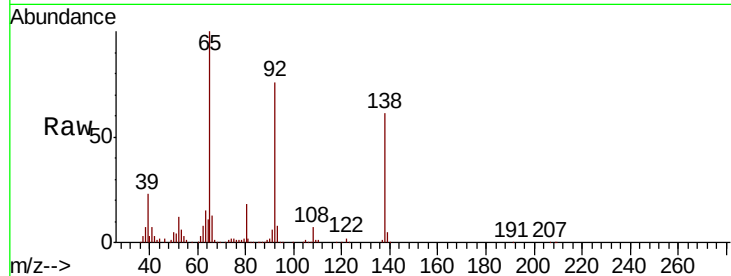
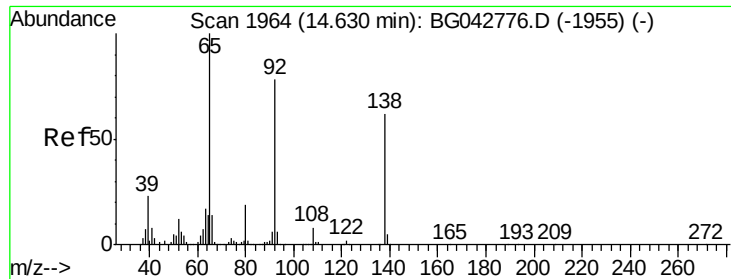
mohammad
 9/16/2019 9:03:48 AM



#52
 Acenaphthene
 Concen: 41.561 ng
 RT: 14.80 min Scan# 1993
 Delta R.T. -0.01 min
 Lab File: BG042812.D
 Acq: 13 Sep 2019 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	475837		
153	114.5		89.4	134.2
152	54.7		43.5	65.3





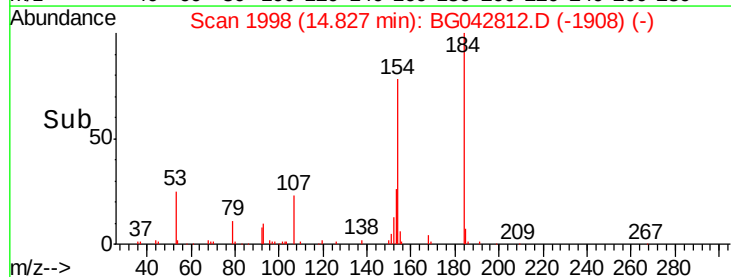
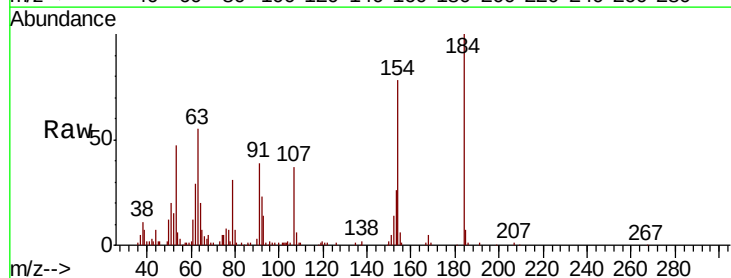
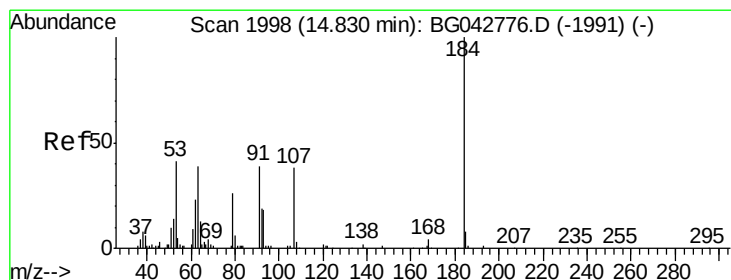
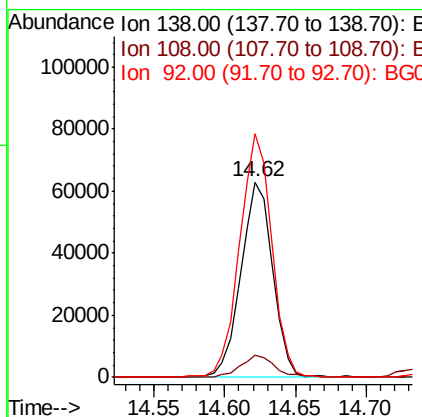
#53
3-Nitroaniline
Concen: 29.059 ng
RT: 14.62 min Scan# 1963
Delta R.T. -0.01 min
Lab File: BG042812.D
Acq: 13 Sep 2019 11:33

Instrument :
BNA_G
ClientSampled :
PB123017BS

Tot Ion	Ratio	Lower	Upper
138	100		
108	11.2	10.7	16.1
92	124.9	100.5	150.7

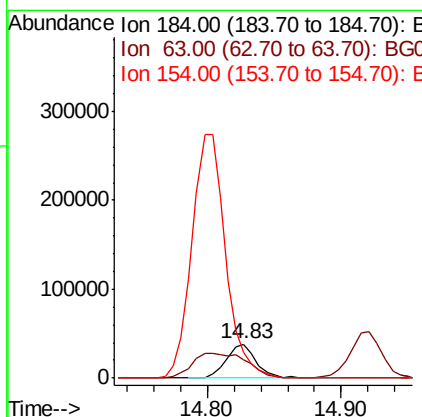
Manual Integrations
APPROVED

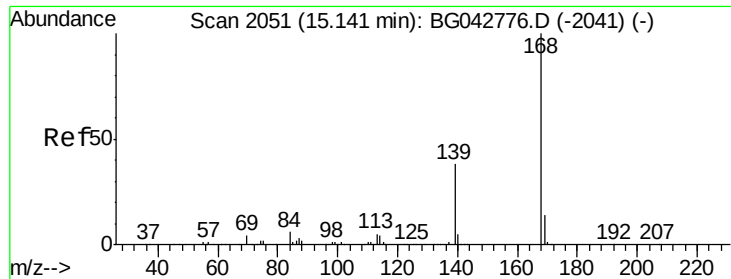
mohammad
9/16/2019 9:03:48 AM



#54
2,4-Dinitrophenol
Concen: 39.867 ng
RT: 14.83 min Scan# 1998
Delta R.T. -0.00 min
Lab File: BG042812.D
Acq: 13 Sep 2019 11:33

Tgt Ion	Ratio	Lower	Upper
184	100		
63	55.3	46.2	69.4
154	78.0	81.3	121.9#





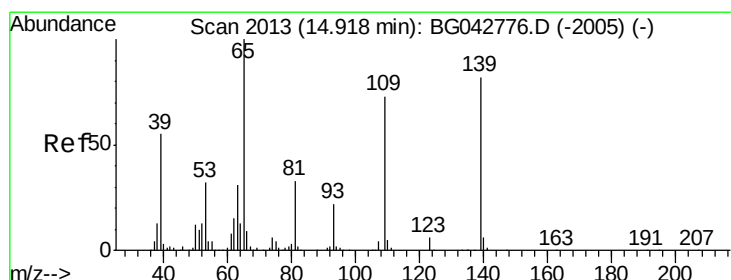
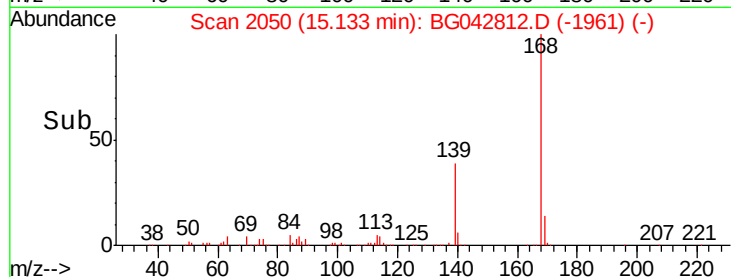
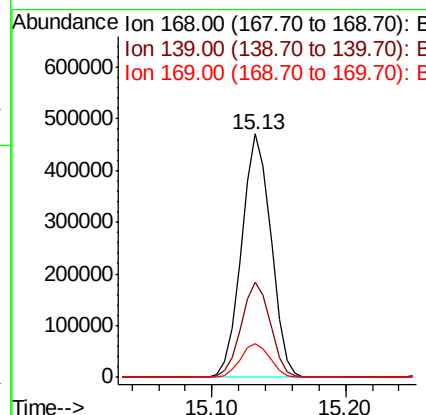
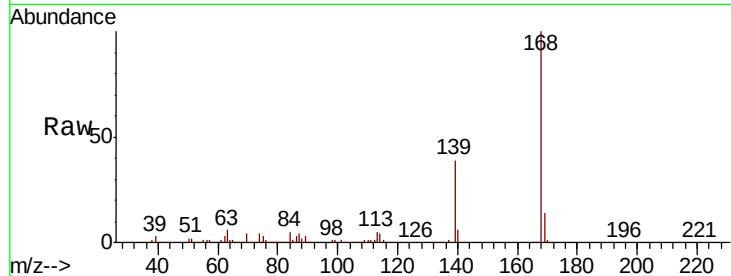
#55
Dibenzofuran
Concen: 42.041 ng
RT: 15.13 min Scan# 2050
Delta R.T. -0.01 min
Lab File: BG042812.D
Acq: 13 Sep 2019 11:33

Instrument :
BNA_G
ClientSampleId :
PB123017BS

Tot Ion	Ratio	Lower	Upper
168	100		
139	39.2	30.2	45.4
169	14.0	11.2	16.8

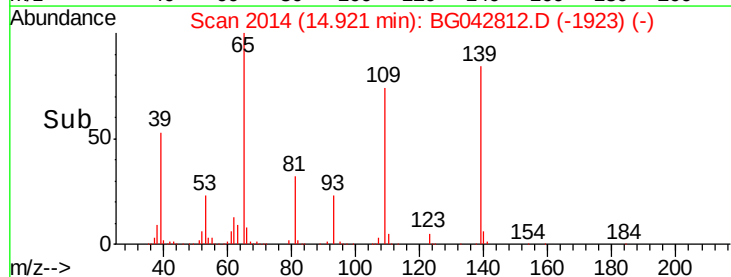
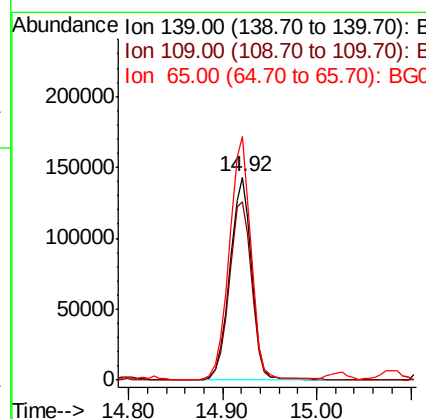
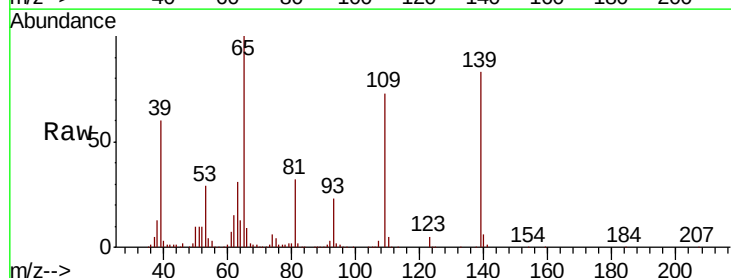
Manual Integrations
APPROVED

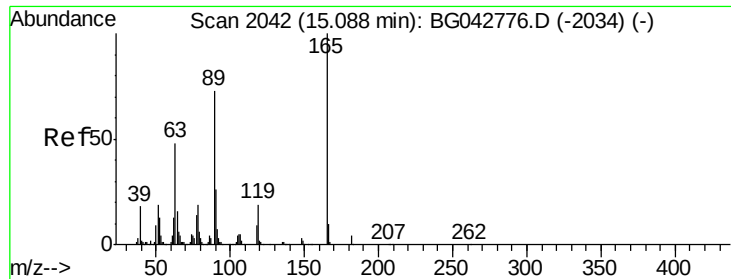
mohammad
9/16/2019 9:03:48 AM



#56
4-Nitrophenol
Concen: 87.231 ng
RT: 14.92 min Scan# 2014
Delta R.T. 0.00 min
Lab File: BG042812.D
Acq: 13 Sep 2019 11:33

Tgt Ion	Ratio	Lower	Upper
139	100		
109	87.7	69.4	109.4
65	119.9	102.5	142.5





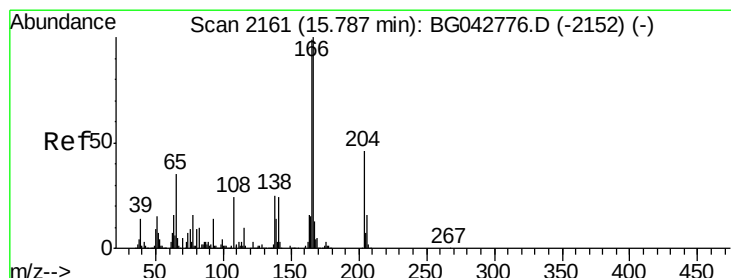
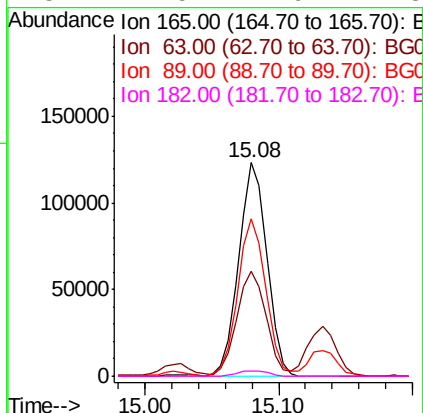
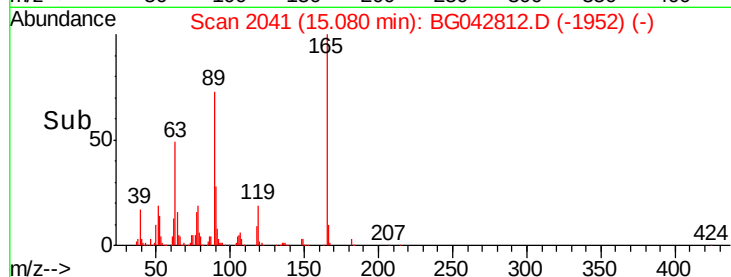
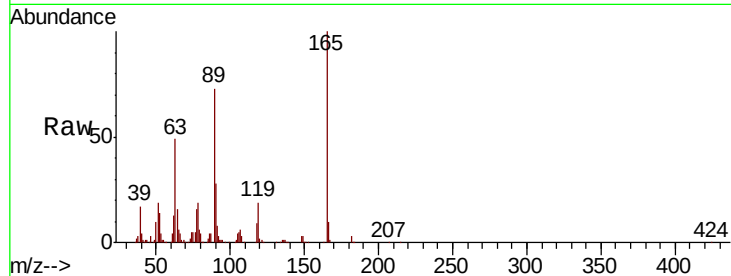
#57
2,4-Dinitrotoluene
Concen: 44.330 ng
RT: 15.08 min Scan# 2041
Delta R.T. -0.01 min
Lab File: BG042812.D
Acq: 13 Sep 2019 11:33

Instrument :
BNA_G
ClientSampleId :
PB123017BS

Tot Ion	Ratio	Resp	Lower	Upper
165	100	179863		
63	48.9	38.3	57.5	
89	73.5	58.4	87.6	
182	2.5	2.9	4.3	

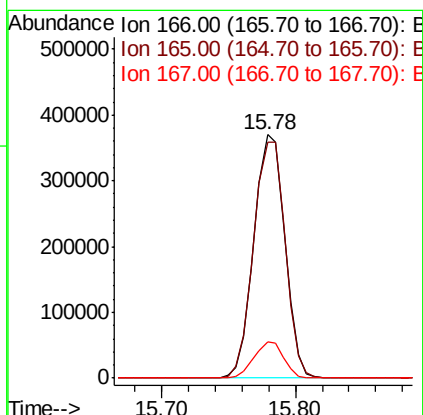
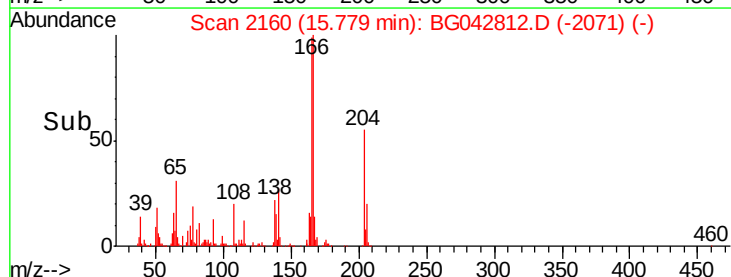
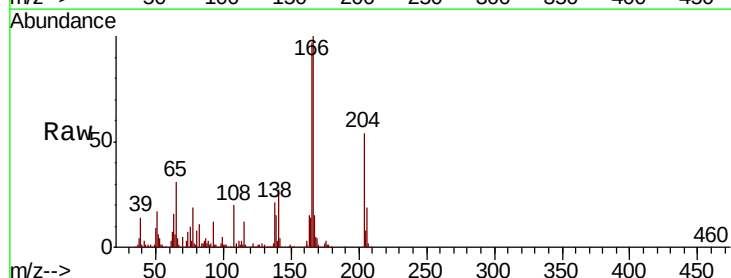
Manual Integrations
APPROVED

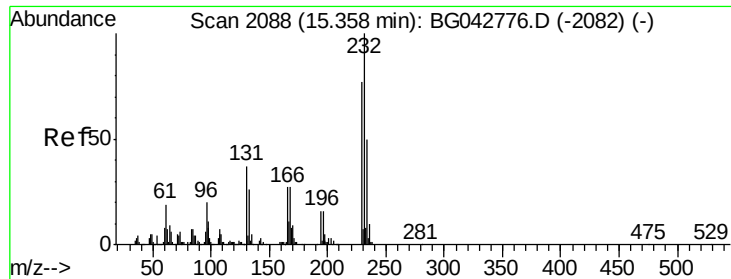
mohammad
9/16/2019 9:03:48 AM



#58
Fluorene
Concen: 41.911 ng
RT: 15.78 min Scan# 2160
Delta R.T. -0.01 min
Lab File: BG042812.D
Acq: 13 Sep 2019 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	591099		
165	96.8	79.1	118.7	
167	14.8	10.7	16.1	





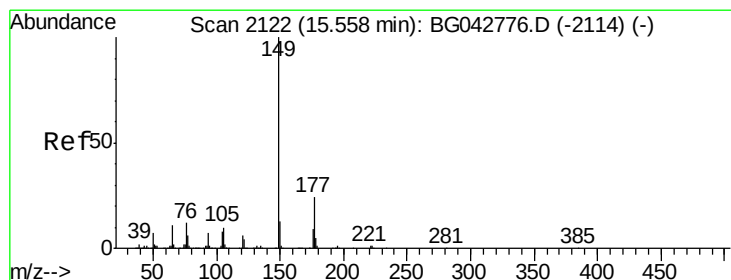
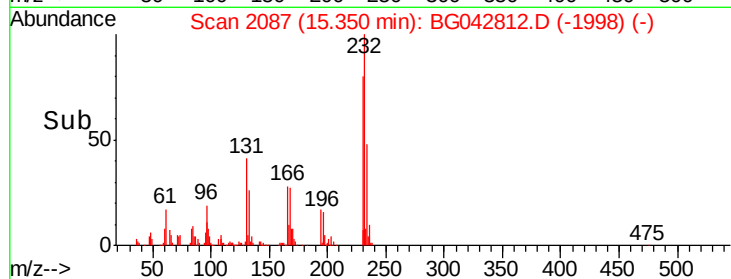
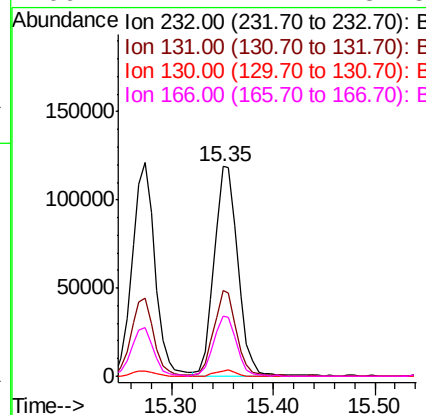
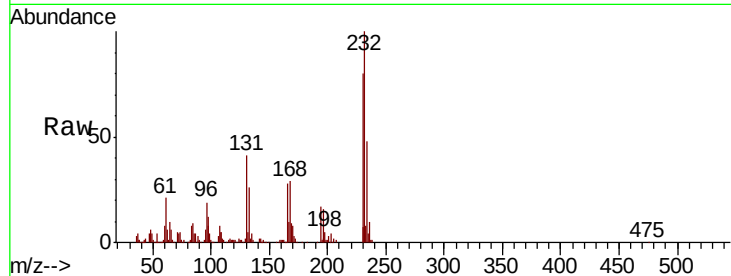
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 44.595 ng
 RT: 15.35 min Scan# 2087
 Delta R.T. -0.01 min
 Lab File: BG042812.D
 Acq: 13 Sep 2019 11:33

Instrument :
 BNA_G
 ClientSampleId :
 PB123017BS

Tot Ion	Ratio	Resp	Lower	Upper
232	100	192904		
131	38.9		31.1	46.7
130	2.4		1.8	2.6
166	27.4		21.7	32.5

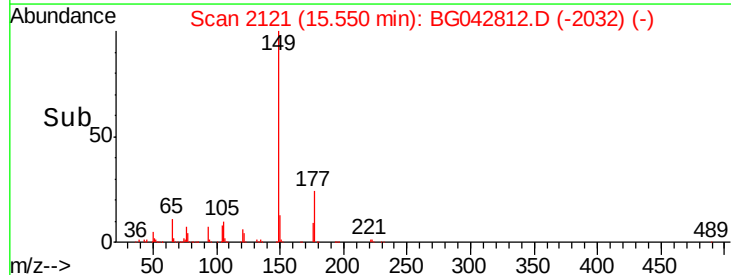
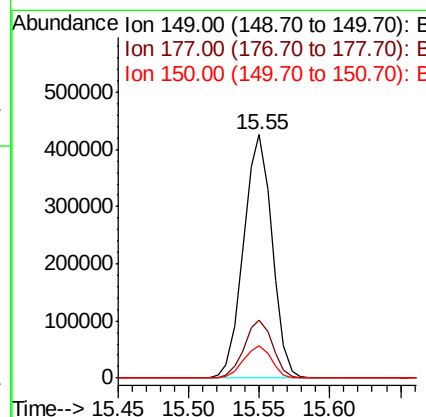
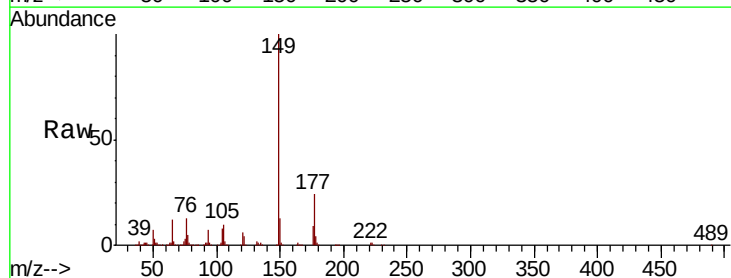
Manual Integrations
 APPROVED

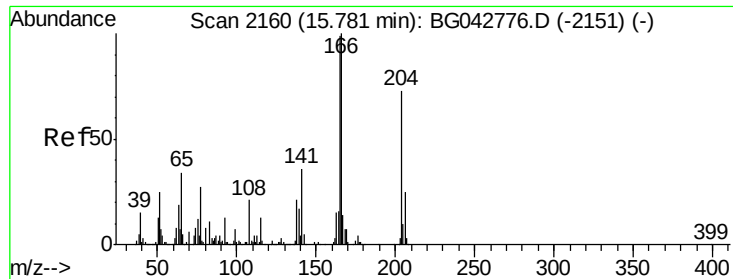
mohammad
 9/16/2019 9:03:48 AM



#60
 Diethylphthalate
 Concen: 39.881 ng
 RT: 15.55 min Scan# 2121
 Delta R.T. -0.01 min
 Lab File: BG042812.D
 Acq: 13 Sep 2019 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	600545		
177	23.7		19.4	29.0
150	13.4		10.2	15.4





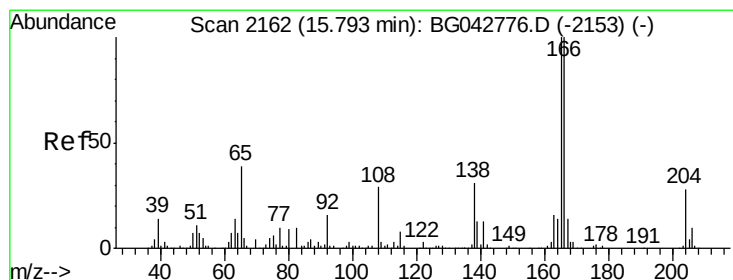
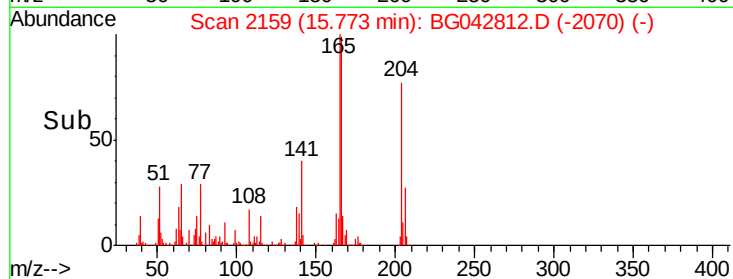
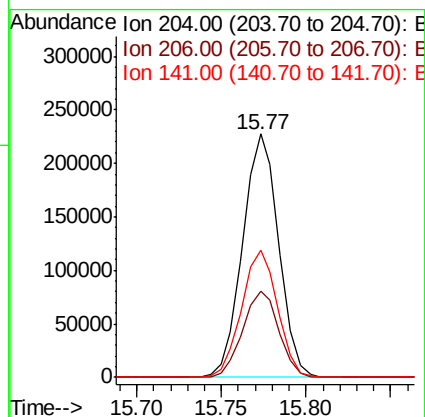
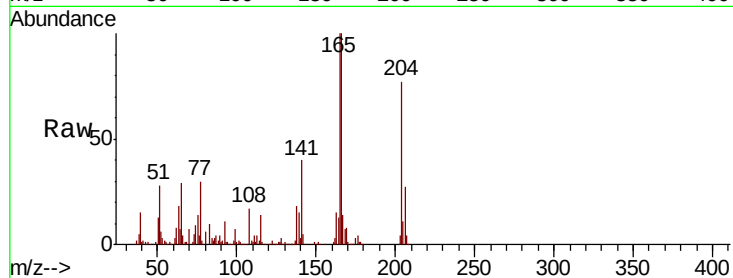
#61
 4-Chlorophenyl-phenylether
 Concen: 40.359 ng
 RT: 15.77 min Scan# 2159
 Delta R.T. -0.01 min
 Lab File: BG042812.D
 Acq: 13 Sep 2019 11:33

Instrument :
 BNA_G
 ClientSampleId :
 PB123017BS

Tot Ion:	204	Resp:	336557
Ion Ratio	Lower	Upper	
204	100		
206	35.5	27.6	41.4
141	52.1	39.8	59.6

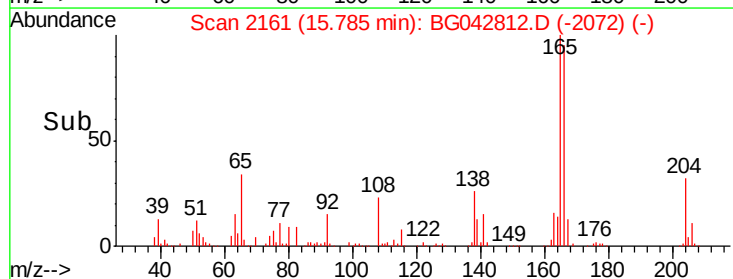
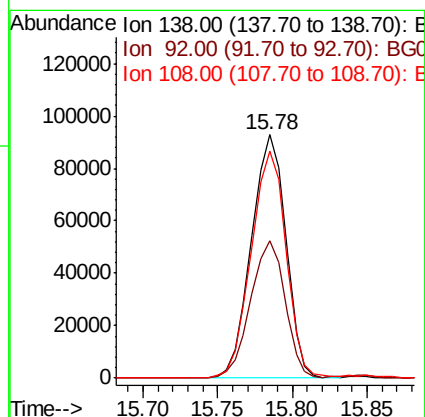
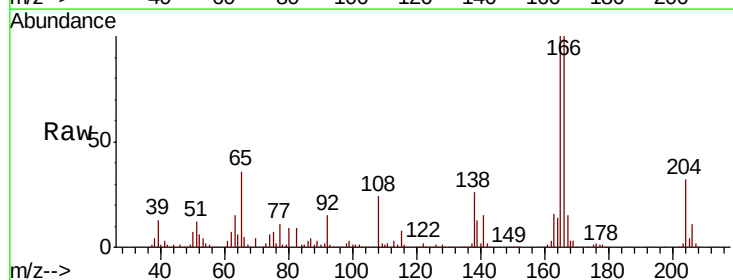
Manual Integrations
 APPROVED

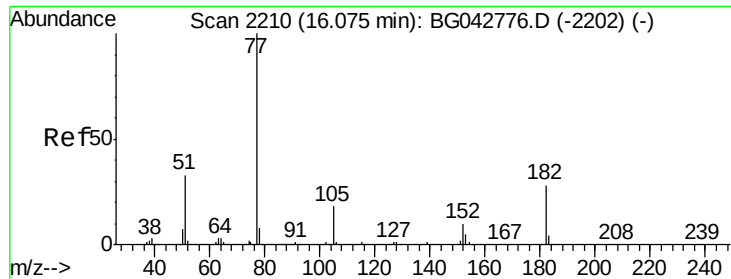
mohammad
 9/16/2019 9:03:48 AM



#62
 4-Nitroaniline
 Concen: 40.306 ng
 RT: 15.78 min Scan# 2161
 Delta R.T. -0.01 min
 Lab File: BG042812.D
 Acq: 13 Sep 2019 11:33

Tgt Ion:	138	Resp:	148425
Ion Ratio	Lower	Upper	
138	100		
92	56.2	31.4	71.4
108	93.0	74.8	114.8





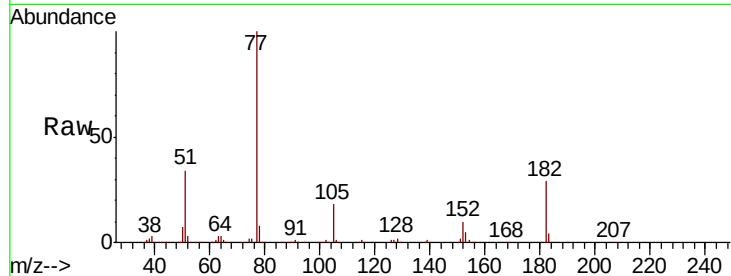
#63
Azobenzene
Concen: 42.715 ng
RT: 16.07 min Scan# 2209
Delta R.T. -0.01 min
Lab File: BG042812.D
Acq: 13 Sep 2019 11:33

Instrument :
BNA_G
ClientSampleId :
PB123017BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100		619403		
182	29.1	8.1	48.1		
105	18.4	0.0	38.1		
51	33.6	12.9	52.9		

Manual Integrations
APPROVED

mohammad
9/16/2019 9:03:48 AM



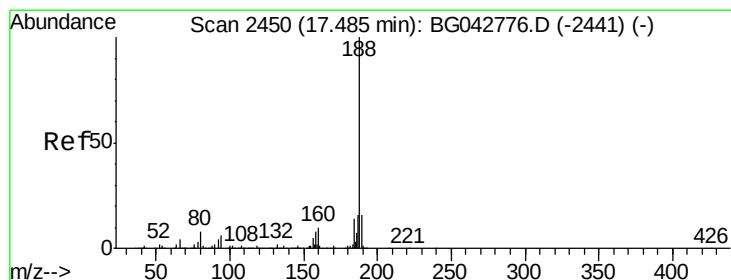
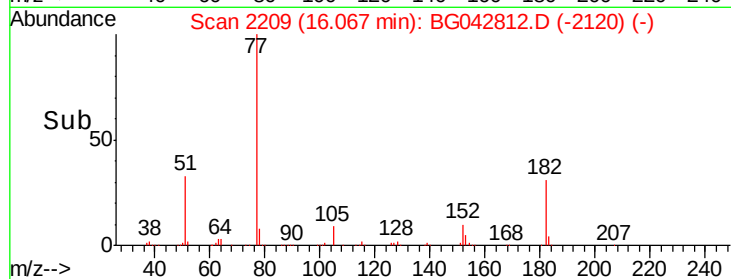
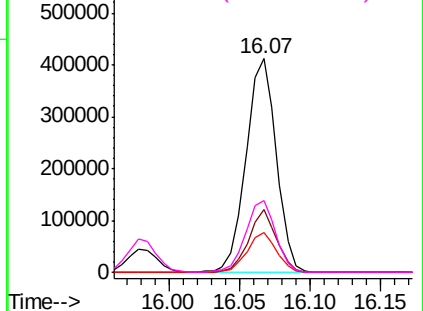
Abundance

Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.48 min Scan# 2449
Delta R.T. -0.01 min
Lab File: BG042812.D
Acq: 13 Sep 2019 11:33

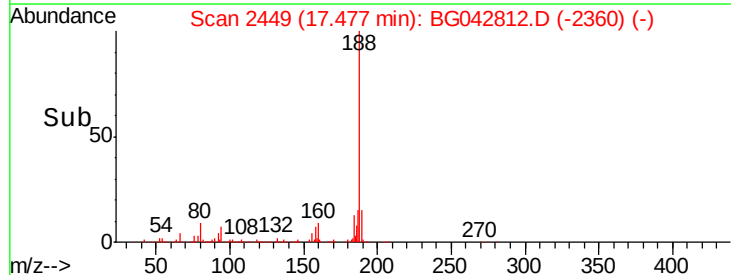
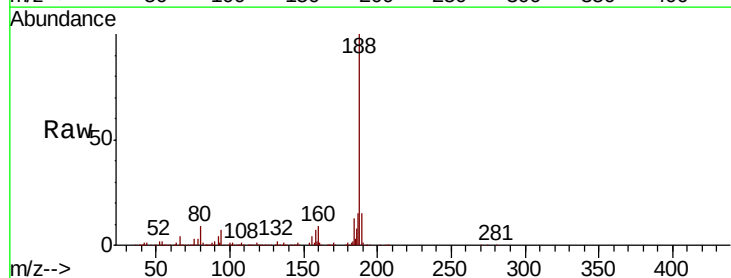
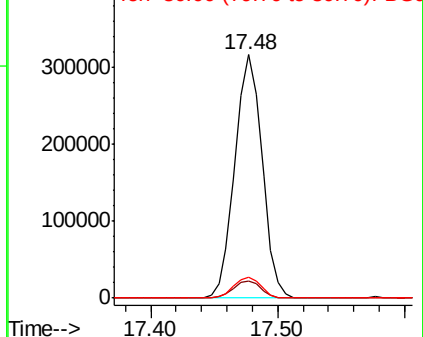
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		471237		
94	7.1	4.8	7.2		
80	8.8	6.6	9.8		

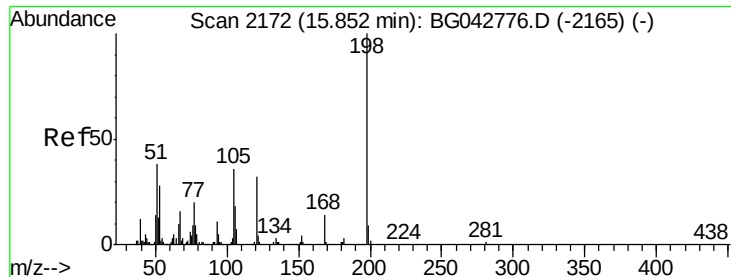
Abundance

Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#65

4,6-Dinitro-2-methylphenol

Concen: 32.015 ng

RT: 15.84 min Scan# 2171

Delta R.T. -0.01 min

Lab File: BG042812.D

Acq: 13 Sep 2019 11:33

Instrument :

BNA_G

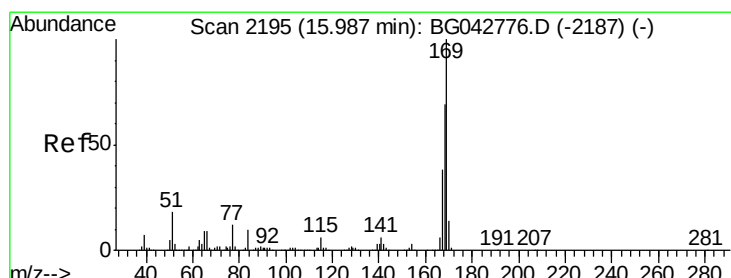
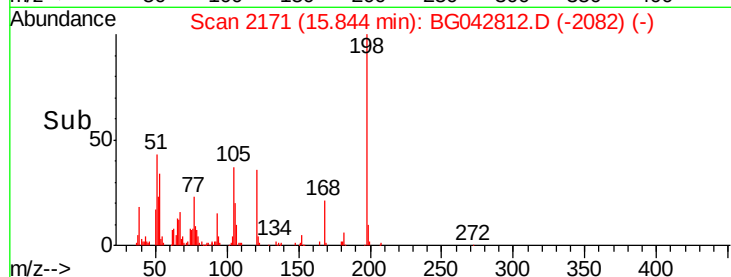
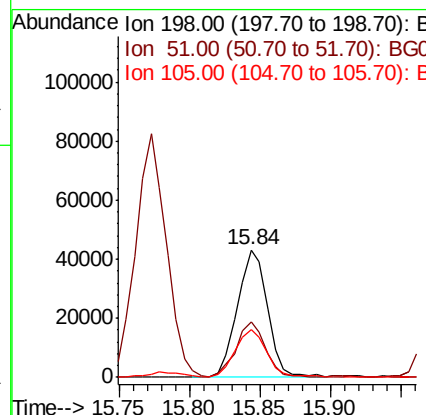
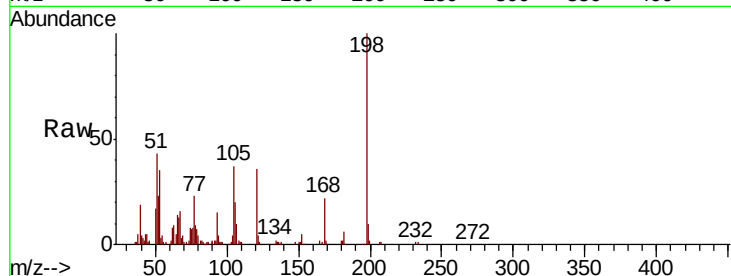
ClientSampleId :

PB123017BS

Tot Ion:	198	Resp:	64553
Ion Ratio	Lower	Upper	
198	100		
51	43.2	20.9	60.9
105	37.3	16.4	56.4

Manual Integrations
APPROVED

mohammad
9/16/2019 9:03:48 AM



#66

n-Nitrosodiphenylamine

Concen: 41.996 ng

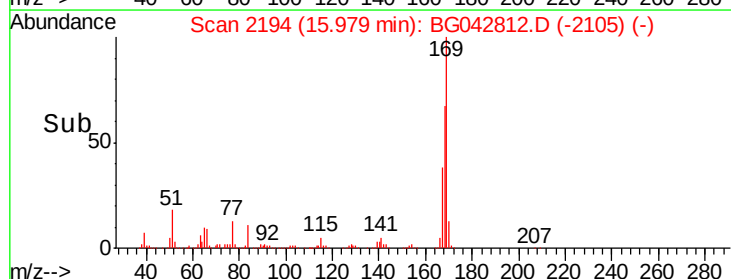
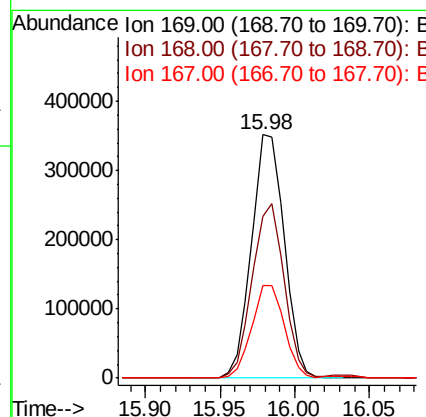
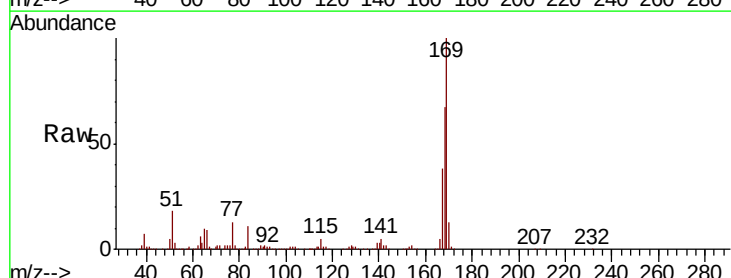
RT: 15.98 min Scan# 2194

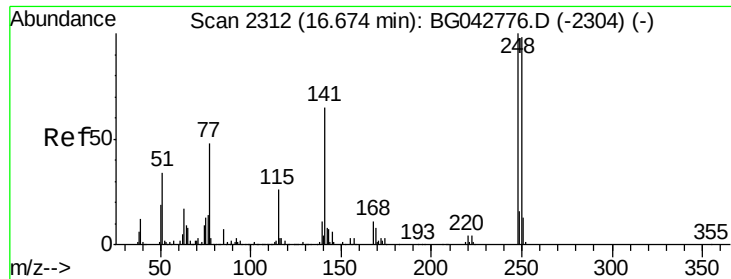
Delta R.T. -0.01 min

Lab File: BG042812.D

Acq: 13 Sep 2019 11:33

Tgt Ion:	169	Resp:	532529
Ion Ratio	Lower	Upper	
169	100		
168	66.6	55.4	83.2
167	38.1	30.4	45.6





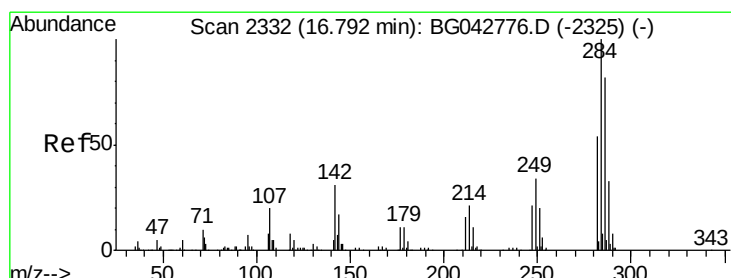
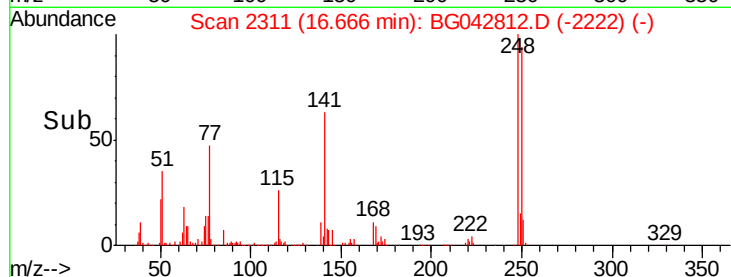
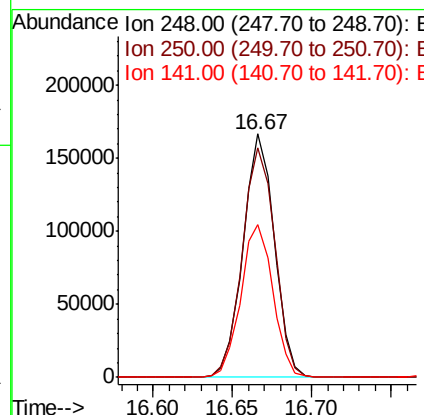
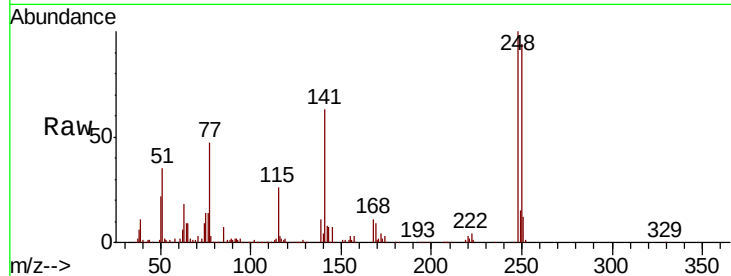
#67
4-Bromophenyl-phenylether
Concen: 40.060 ng
RT: 16.67 min Scan# 2311
Delta R.T. -0.01 min
Lab File: BG042812.D
Acq: 13 Sep 2019 11:33

Instrument :
BNA_G
ClientSampled :
PB123017BS

Tot Ion	Ratio	Lower	Upper
248	100		
250	94.2	78.0	117.0
141	62.7	51.8	77.6

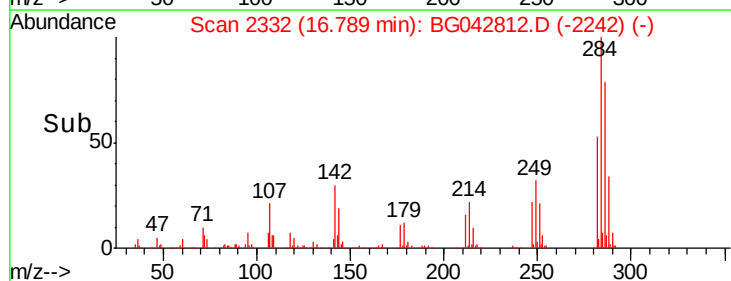
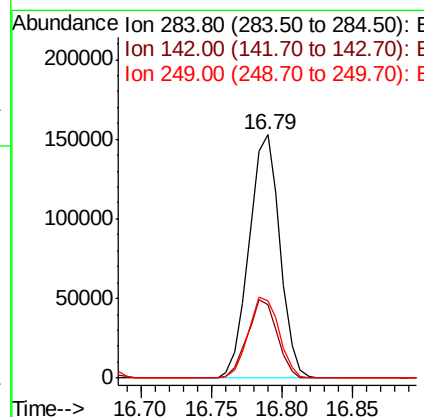
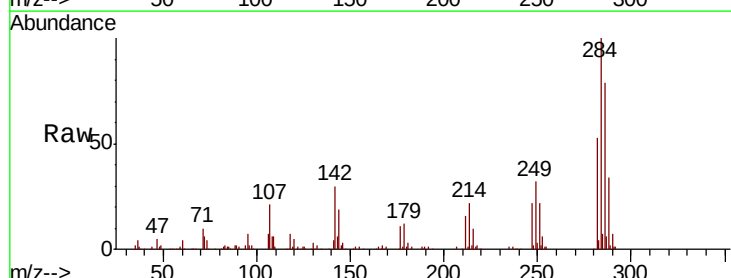
Manual Integrations
APPROVED

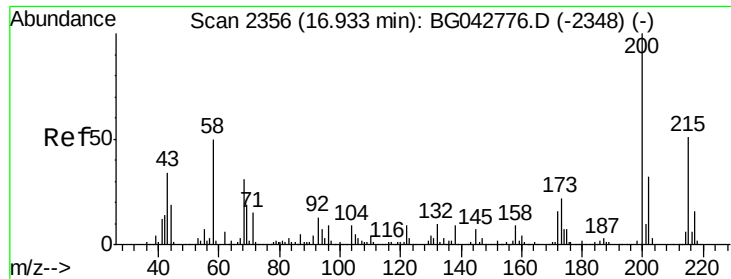
mohammad
9/16/2019 9:03:48 AM



#68
Hexachlorobenzene
Concen: 38.358 ng
RT: 16.79 min Scan# 2332
Delta R.T. -0.00 min
Lab File: BG042812.D
Acq: 13 Sep 2019 11:33

Tgt Ion	Ratio	Lower	Upper
284	100		
142	30.3	24.7	37.1
249	31.7	27.0	40.4





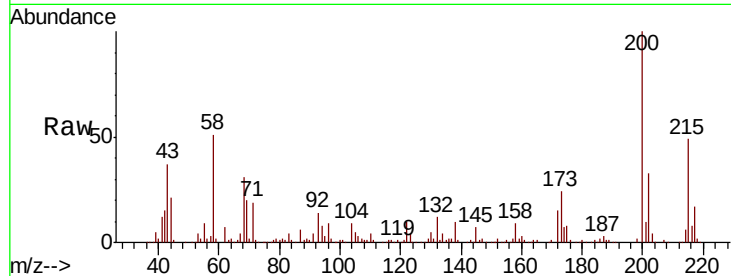
#69
 Atrazine
 Concen: 46.003 ng
 RT: 16.92 min Scan# 2355
 Delta R.T. -0.01 min
 Lab File: BG042812.D
 Acq: 13 Sep 2019 11:33

Instrument :
 BNA_G
 ClientSampleId :
 PB123017BS

Tot Ion	Ratio	Resp Lower	Resp Upper
200	100		
173	23.9	2.5	42.5
215	49.1	31.0	71.0

Manual Integrations
 APPROVED

mohammad
 9/16/2019 9:03:48 AM

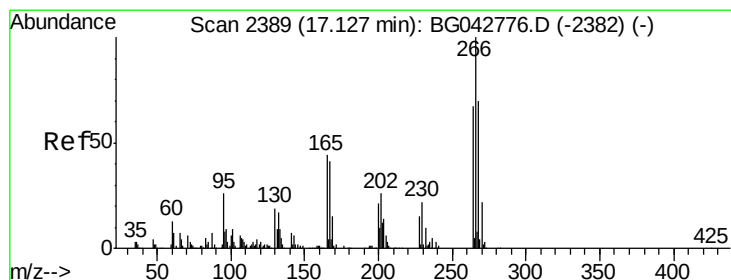
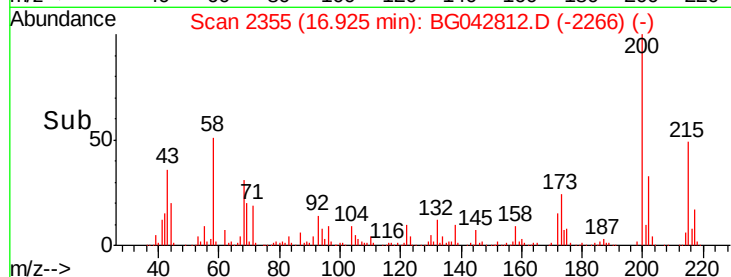
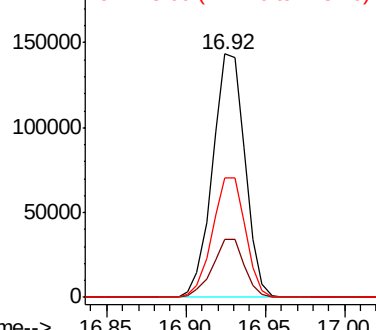


Abundance

Ion 200.00 (199.70 to 200.70): E

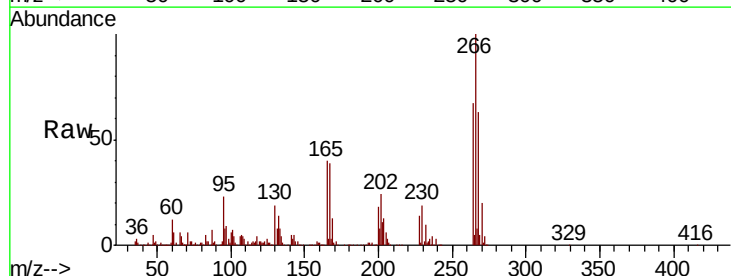
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70
 Pentachlorophenol
 Concen: 81.686 ng
 RT: 17.12 min Scan# 2389
 Delta R.T. -0.00 min
 Lab File: BG042812.D
 Acq: 13 Sep 2019 11:33

Tgt Ion	Ratio	Resp Lower	Resp Upper
266	100		
268	62.9	56.2	84.4
264	66.9	53.4	80.2

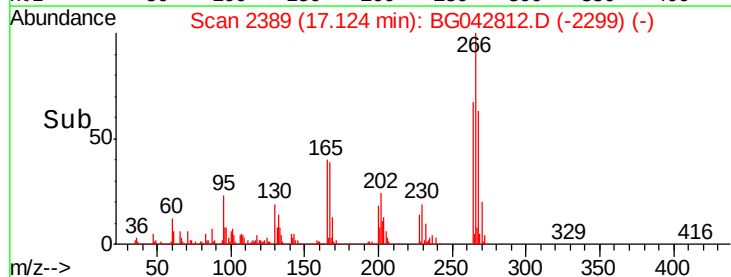
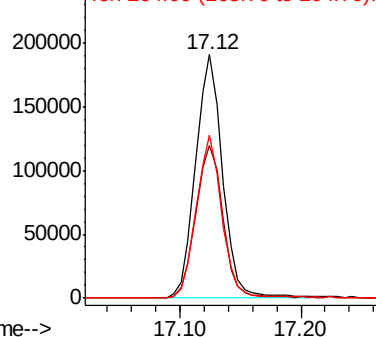


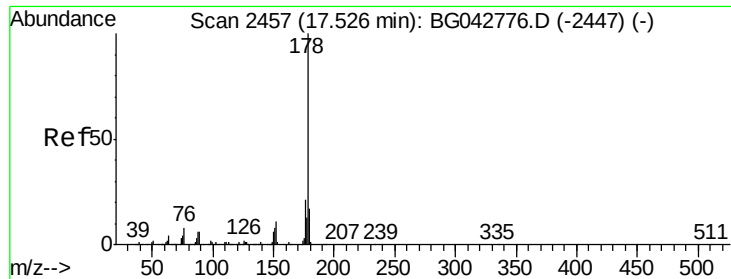
Abundance

Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 41.921 ng

RT: 17.52 min Scan# 2456

Delta R.T. -0.01 min

Lab File: BG042812.D

Acq: 13 Sep 2019 11:33

Instrument :

BNA_G

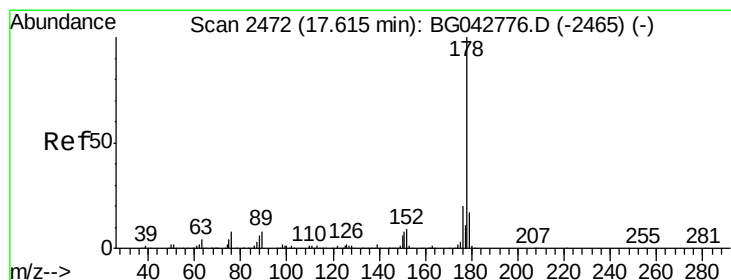
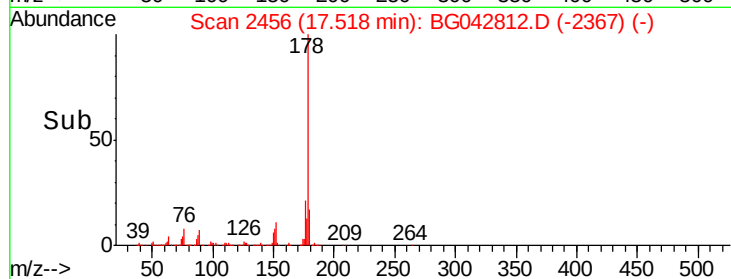
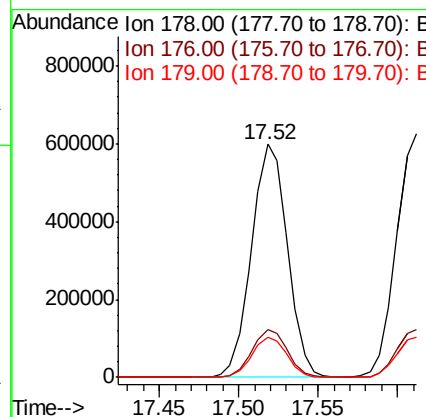
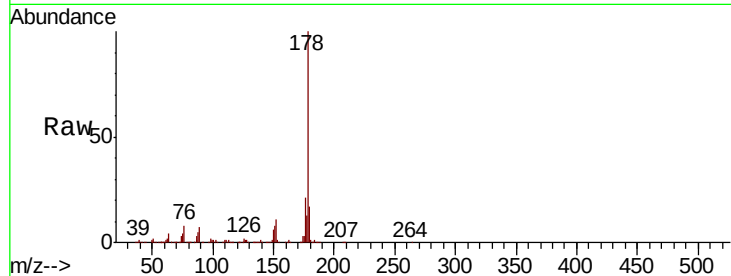
ClientSampleId :

PB123017BS

Tot Ion:	178	Resp:	944751
Ion Ratio	Lower	Upper	
178	100		
176	20.8	17.0	25.4
179	17.2	13.6	20.4

Manual Integrations
APPROVED

mohammad
9/16/2019 9:03:48 AM



#72

Anthracene

Concen: 43.025 ng

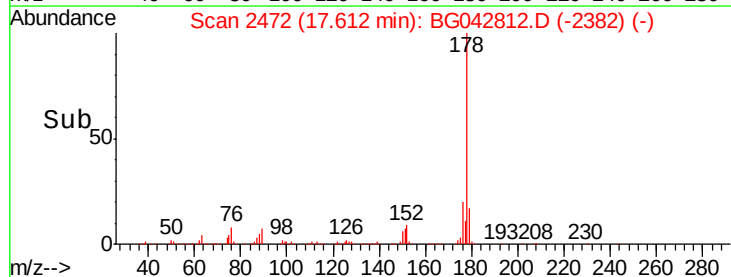
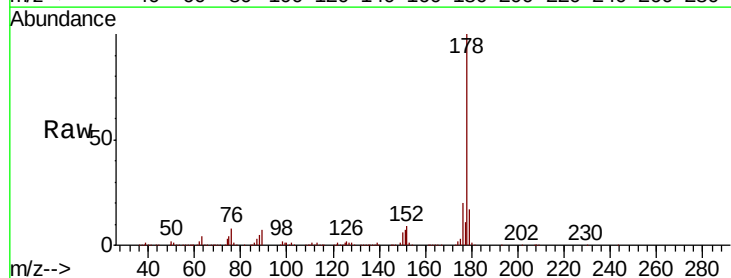
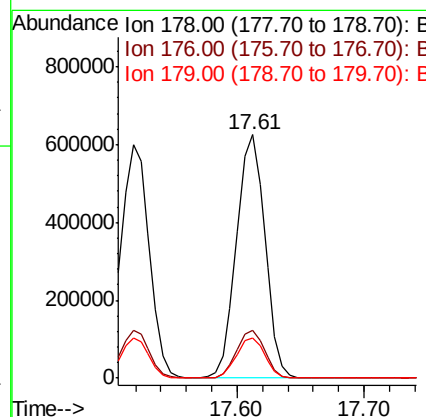
RT: 17.61 min Scan# 2472

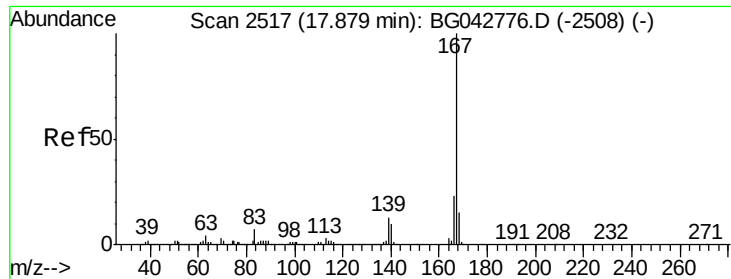
Delta R.T. -0.00 min

Lab File: BG042812.D

Acq: 13 Sep 2019 11:33

Tgt Ion:	178	Resp:	968703
Ion Ratio	Lower	Upper	
178	100		
176	19.7	16.2	24.4
179	16.6	13.6	20.4





#73

Carbazole

Concen: 42.365 ng

RT: 17.87 min Scan# 2516

Delta R.T. -0.01 min

Lab File: BG042812.D

Acq: 13 Sep 2019 11:33

Instrument :

BNA_G

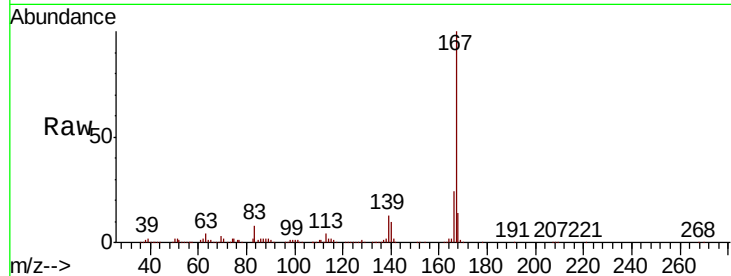
ClientSampleId :

PB123017BS

Tot Ion:	167	Resp:	906594
Ion Ratio	Lower	Upper	
167	100		
166	23.9	18.3	27.5
139	13.4	10.2	15.4

Manual Integrations
APPROVED

mohammad
9/16/2019 9:03:48 AM

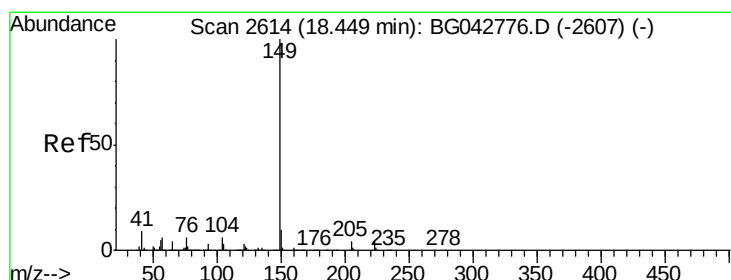
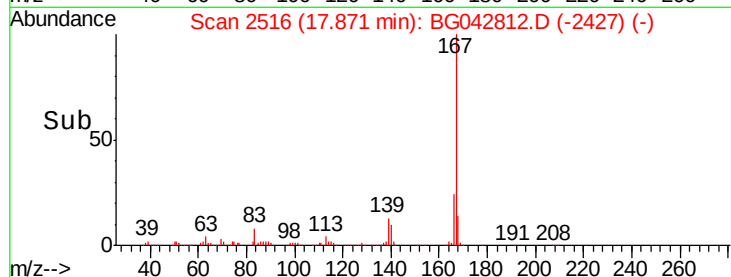
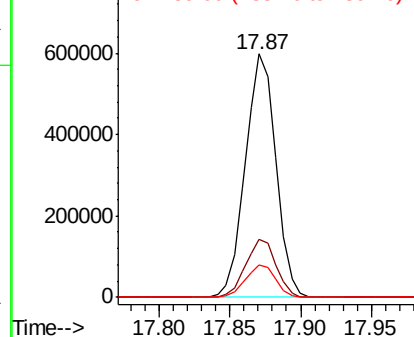


Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 40.972 ng

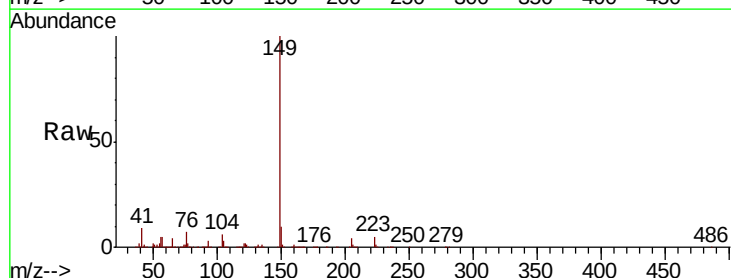
RT: 18.44 min Scan# 2613

Delta R.T. -0.01 min

Lab File: BG042812.D

Acq: 13 Sep 2019 11:33

Tgt Ion:	149	Resp:	1050310
Ion Ratio	Lower	Upper	
149	100		
150	9.6	8.0	12.0
104	6.3	5.1	7.7

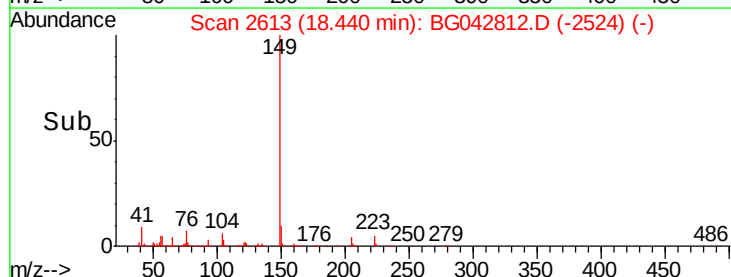
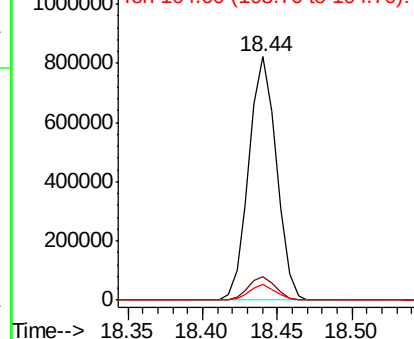


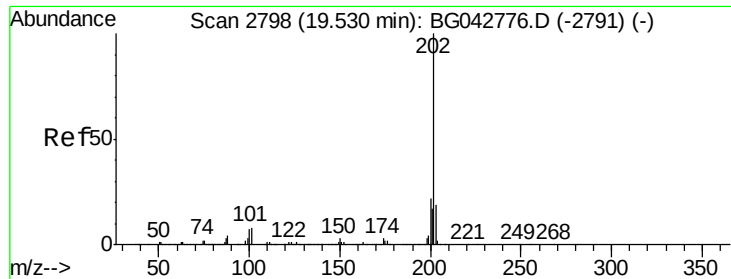
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 43.338 ng

RT: 19.52 min Scan# 2797

Delta R.T. -0.01 min

Lab File: BG042812.D

Acq: 13 Sep 2019 11:33

Instrument :

BNA_G

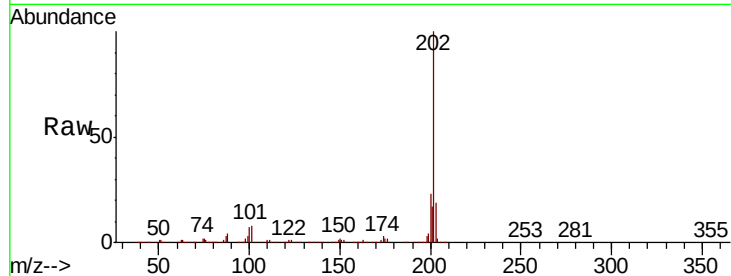
ClientSampleId :

PB123017BS

Tot Ion:	202	Resp:	1265810
Ion	Ratio	Lower	Upper
202	100		
101	8.2	0.0	27.8
203	19.4	0.0	39.1

Manual Integrations
APPROVED

mohammad
9/16/2019 9:03:48 AM

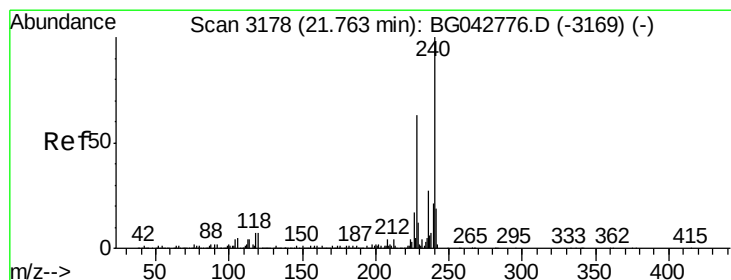
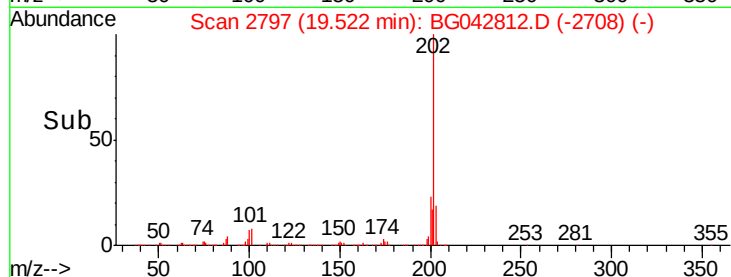
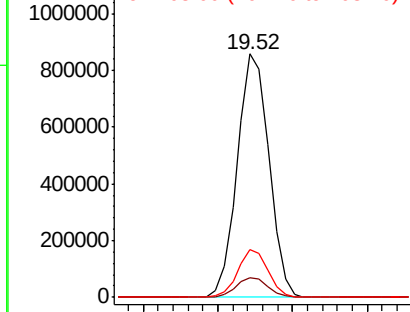


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

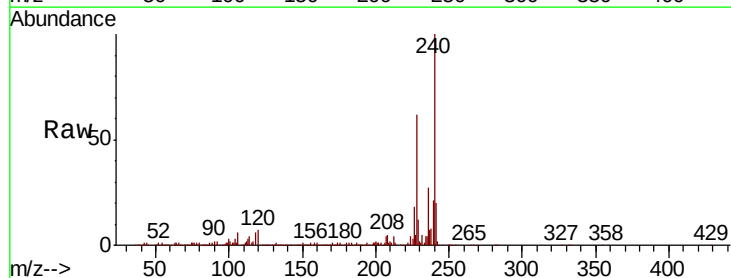
RT: 21.75 min Scan# 3177

Delta R.T. -0.01 min

Lab File: BG042812.D

Acq: 13 Sep 2019 11:33

Tgt Ion:	240	Resp:	511154
Ion	Ratio	Lower	Upper
240	100		
120	6.7	5.4	8.2
236	27.2	21.7	32.5

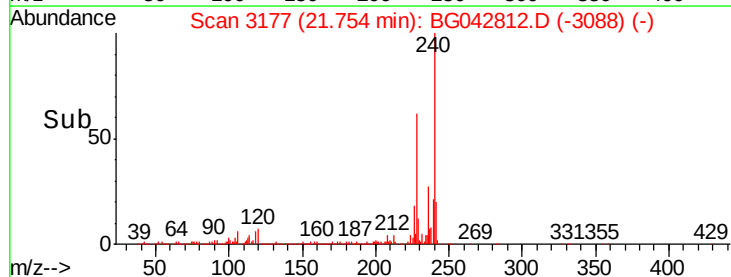
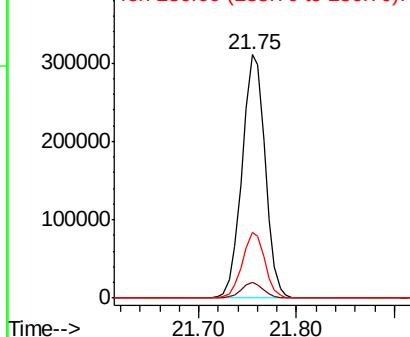


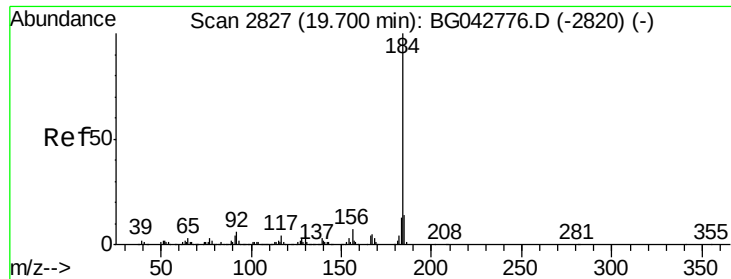
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 41.524 ng

RT: 19.69 min Scan# 2826

Delta R.T. -0.01 min

Lab File: BG042812.D

Acq: 13 Sep 2019 11:33

Instrument :

BNA_G

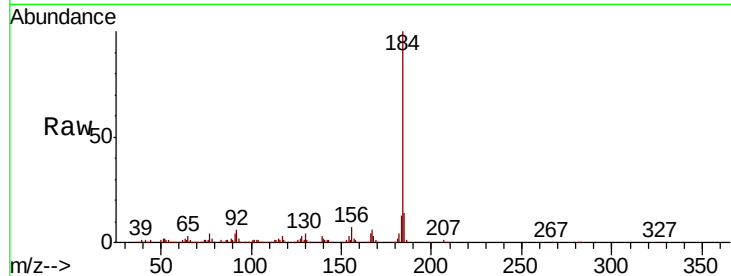
ClientSampleId :

PB123017BS

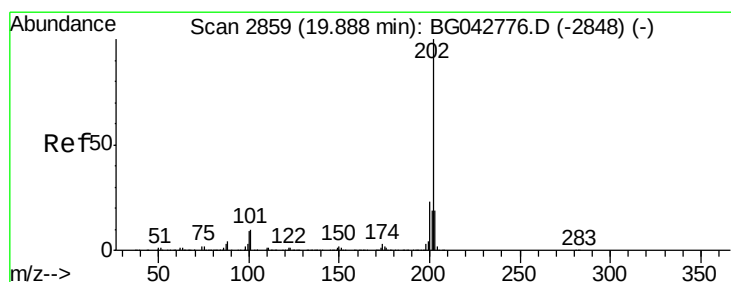
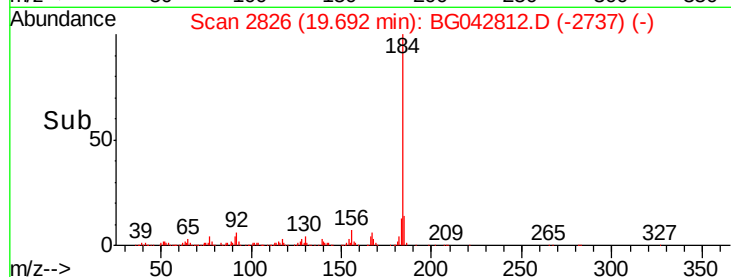
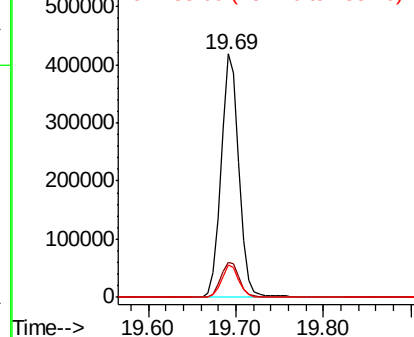
Tot Ion:	184	Resp:	593002
Ion Ratio	Lower	Upper	
184	100		
185	14.5	11.6	17.4
183	13.4	10.4	15.6

Manual Integrations
APPROVED

mohammad
9/16/2019 9:03:48 AM



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 39.978 ng

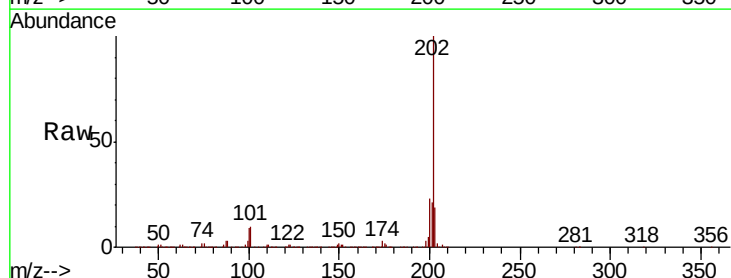
RT: 19.89 min Scan# 2859

Delta R.T. -0.00 min

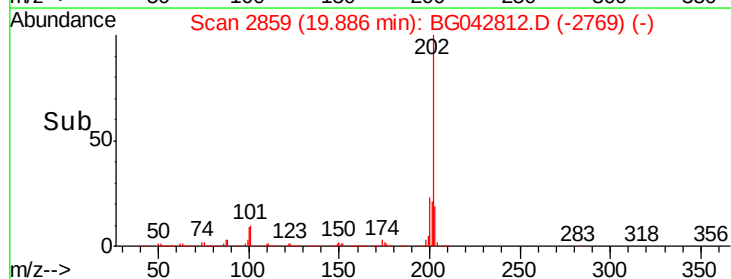
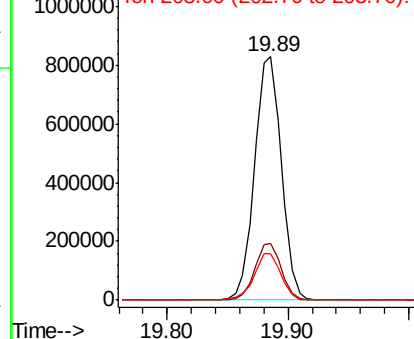
Lab File: BG042812.D

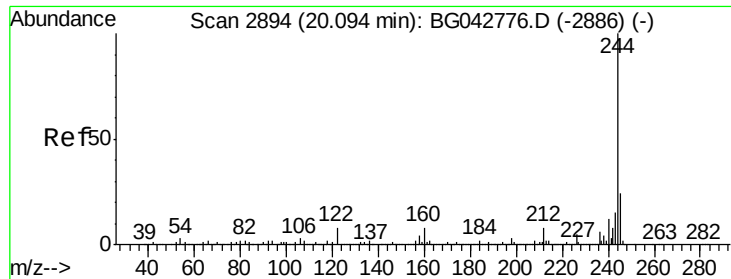
Acq: 13 Sep 2019 11:33

Tgt Ion:	202	Resp:	1279364
Ion Ratio	Lower	Upper	
202	100		
200	23.2	18.5	27.7
203	18.8	15.3	22.9



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





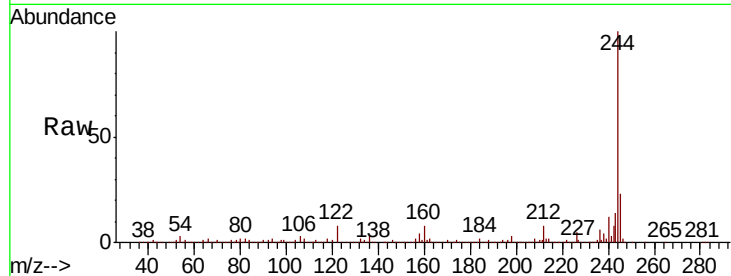
#79
 Terphenyl-d14
 Concen: 69.964 ng
 RT: 20.09 min Scan# 2893
 Delta R.T. -0.01 min
 Lab File: BG042812.D
 Acq: 13 Sep 2019 11:33

Instrument :
 BNA_G
 ClientSampleId :
 PB123017BS

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.2	6.6	10.0
122	8.0	6.2	9.4

Manual Integrations
 APPROVED

mohammad
 9/16/2019 9:03:48 AM

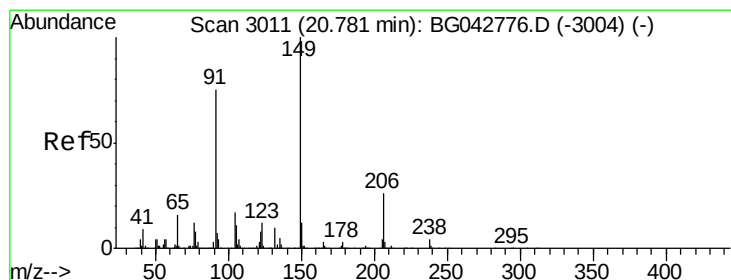
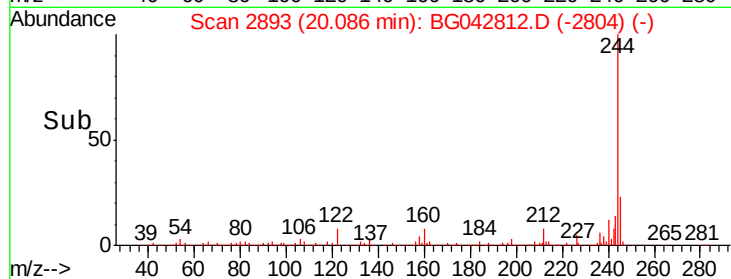
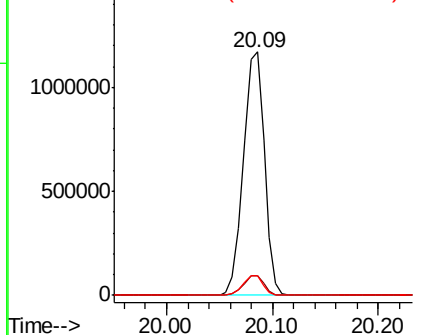


Abundance

Ion 244.00 (243.70 to 244.70): E

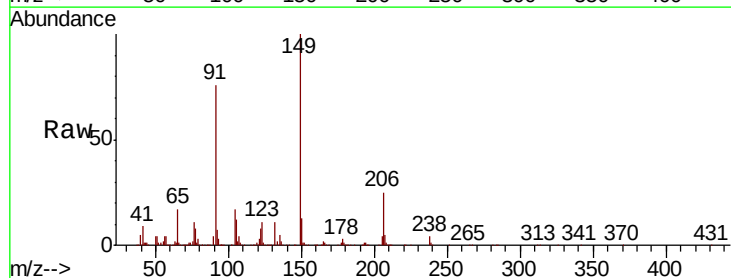
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80
 Butylbenzylphthalate
 Concen: 39.813 ng
 RT: 20.77 min Scan# 3010
 Delta R.T. -0.01 min
 Lab File: BG042812.D
 Acq: 13 Sep 2019 11:33

Tgt Ion	Ratio	Lower	Upper
149	100		
91	76.3	60.2	90.2
206	24.9	20.6	30.8

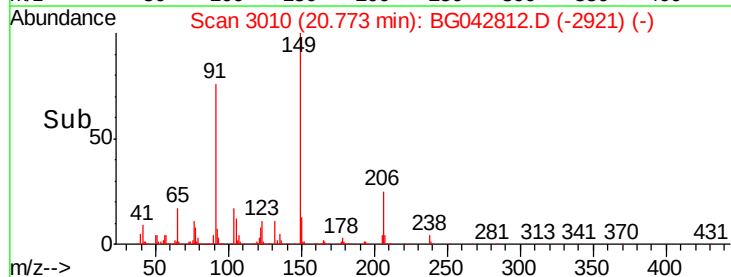
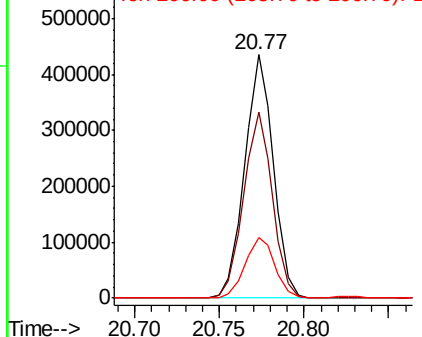


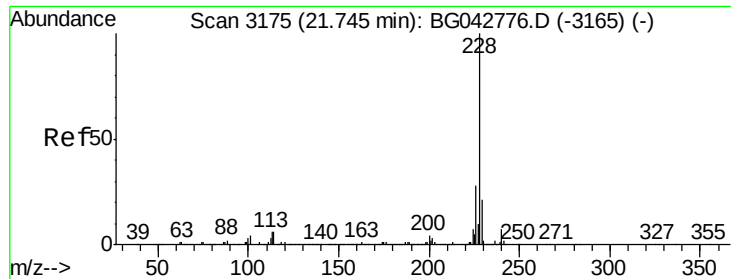
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 40.508 ng

RT: 21.74 min Scan# 3174

Delta R.T. -0.01 min

Lab File: BG042812.D

Acq: 13 Sep 2019 11:33

Instrument :

BNA_G

ClientSampleId :

PB123017BS

Tot Ion:228 Resp: 1316518

Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.5	33.7
229	21.7	17.2	25.8

228 100

226 29.2 22.5 33.7

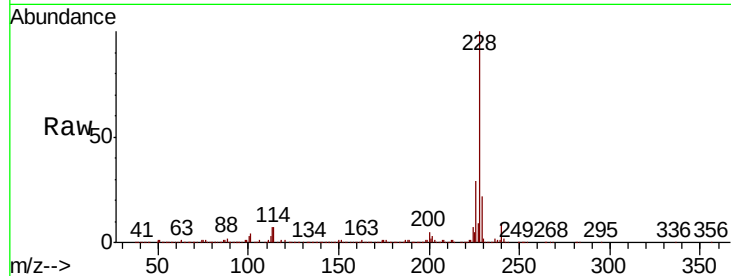
229 21.7 17.2 25.8

Manual Integrations

APPROVED

mohammad

9/16/2019 9:03:48 AM

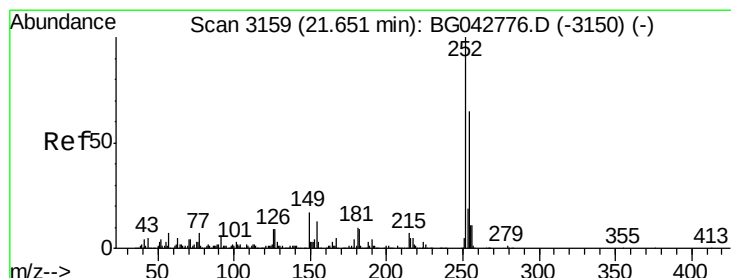
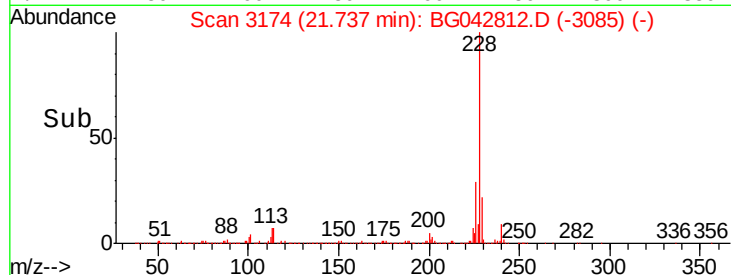
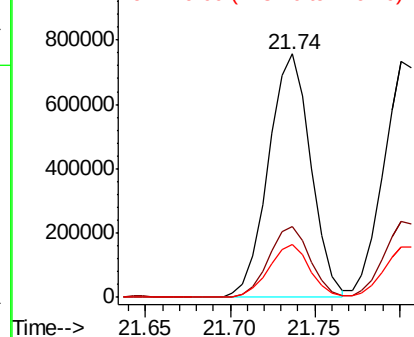


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 27.763 ng

RT: 21.64 min Scan# 3158

Delta R.T. -0.01 min

Lab File: BG042812.D

Acq: 13 Sep 2019 11:33

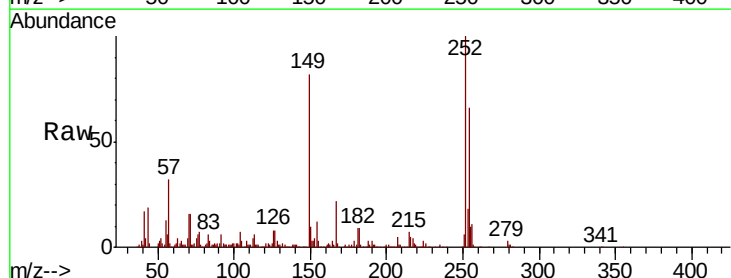
Tgt Ion:252 Resp: 350648

Ion	Ratio	Lower	Upper
252	100		
254	66.2	52.2	78.2
126	7.7	7.0	10.4

252 100

254 66.2 52.2 78.2

126 7.7 7.0 10.4

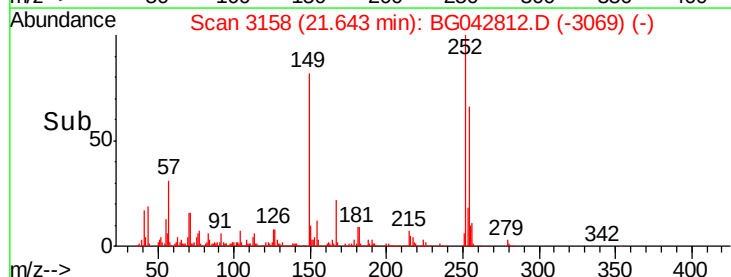
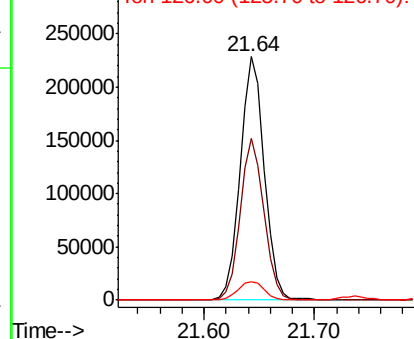


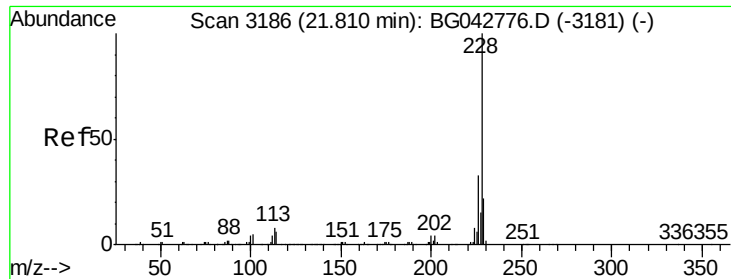
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 40.797 ng

RT: 21.80 min Scan# 3185

Delta R.T. -0.01 min

Lab File: BG042812.D

Acq: 13 Sep 2019 11:33

Instrument :

BNA_G

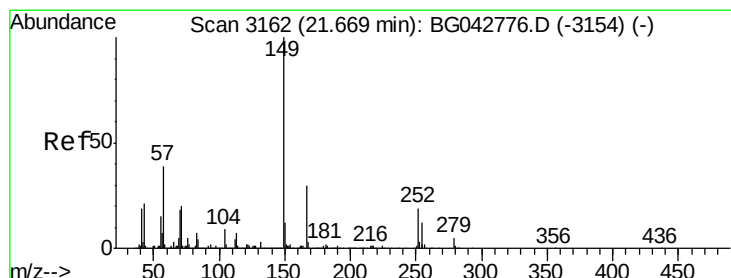
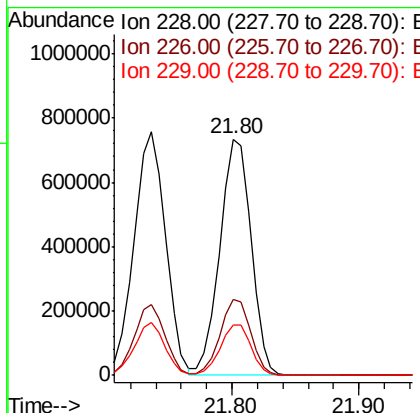
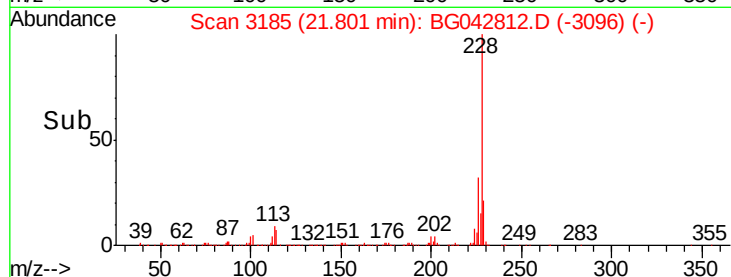
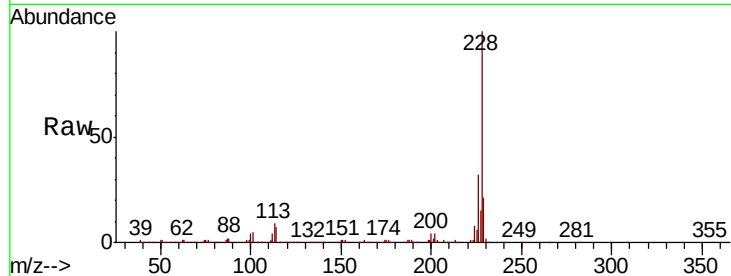
ClientSampleId :

PB123017BS

Tot Ion:	228	Resp:	1255919
Ion	Ratio	Lower	Upper
228	100		
226	32.2	26.0	39.0
229	21.4	17.1	25.7

Manual Integrations
APPROVED

mohammad
9/16/2019 9:03:48 AM



#84

Bis(2-ethylhexyl)phthalate

Concen: 41.037 ng

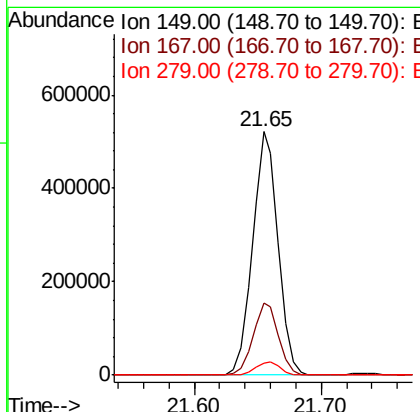
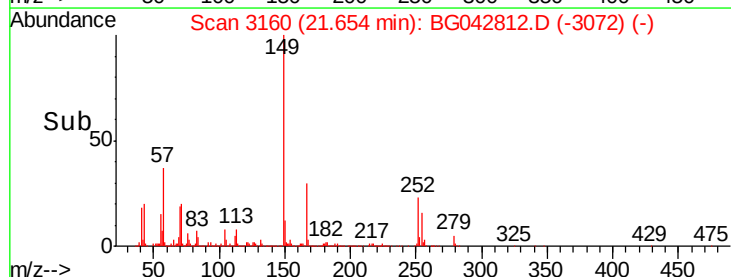
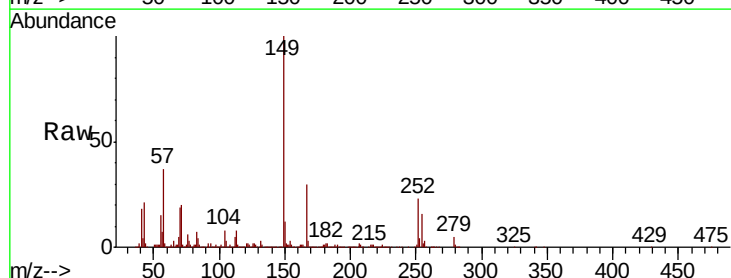
RT: 21.65 min Scan# 3160

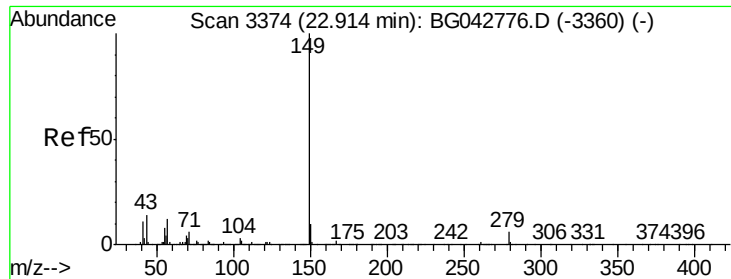
Delta R.T. -0.01 min

Lab File: BG042812.D

Acq: 13 Sep 2019 11:33

Tgt Ion:	149	Resp:	726206
Ion	Ratio	Lower	Upper
149	100		
167	29.7	24.3	36.5
279	5.1	4.2	6.4





#85

Di-n-octyl phthalate

Concen: 41.144 ng

RT: 22.89 min Scan# 3371

Delta R.T. -0.02 min

Lab File: BG042812.D

Acq: 13 Sep 2019 11:33

Instrument :

BNA_G

ClientSampleId :

PB123017BS

Tot Ion:149 Resp: 1241219

Ion Ratio Lower Upper

149 100

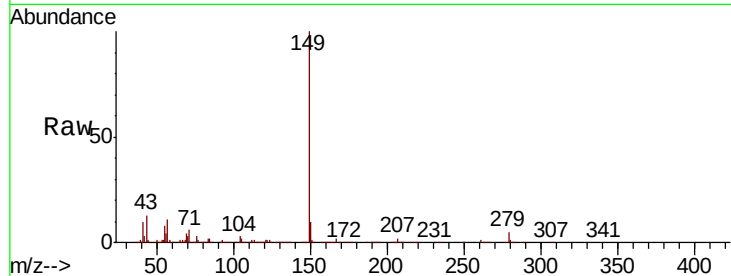
167 1.7 1.4 2.0

43 13.1 10.6 15.8

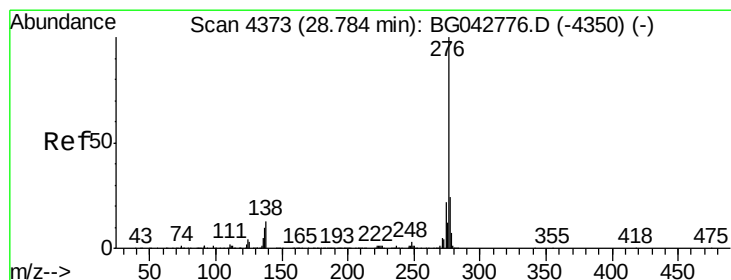
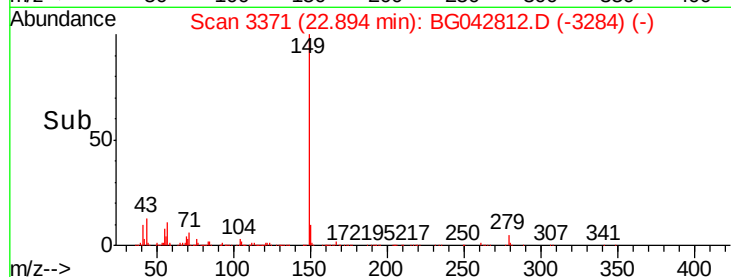
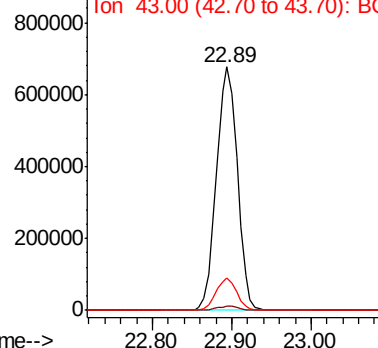
Manual Integrations
APPROVED

mohammad

9/16/2019 9:03:48 AM



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BGC



#86

Indeno(1,2,3-cd)pyrene

Concen: 41.359 ng

RT: 28.76 min Scan# 4370

Delta R.T. -0.02 min

Lab File: BG042812.D

Acq: 13 Sep 2019 11:33

Tgt Ion:276 Resp: 1576714

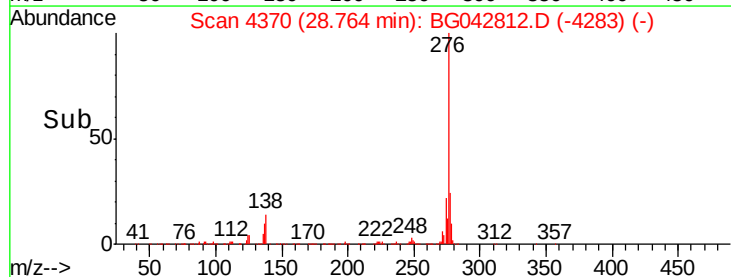
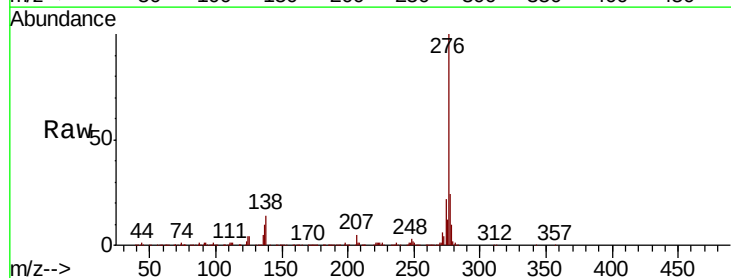
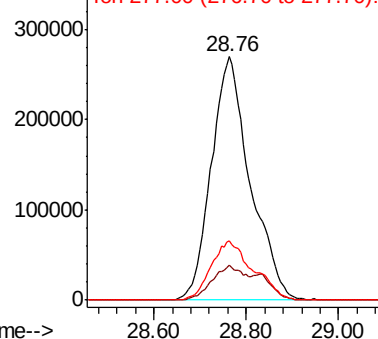
Ion Ratio Lower Upper

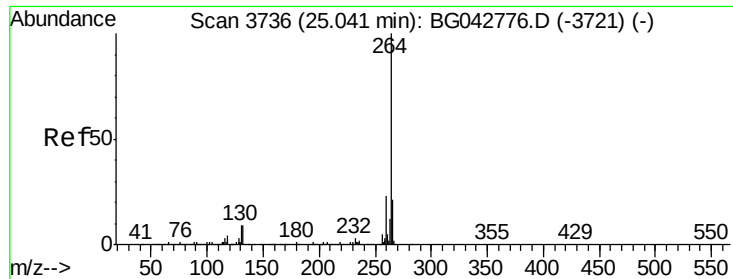
276 100

138 12.3 9.3 13.9

277 26.3 17.2 25.8#

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





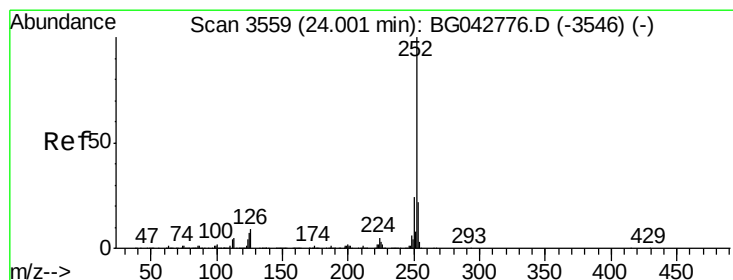
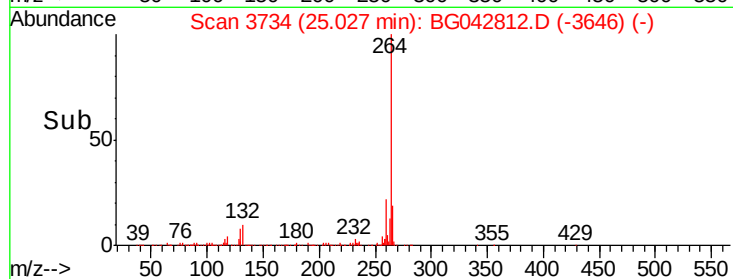
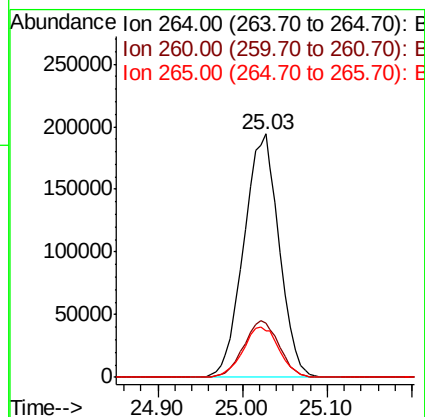
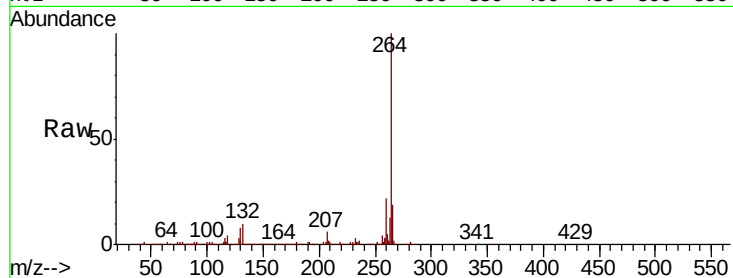
#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.03 min Scan# 3734
Delta R.T. -0.01 min
Lab File: BG042812.D
Acq: 13 Sep 2019 11:33

Instrument :
BNA_G
ClientSampleId :
PB123017BS

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.4	18.2	27.2
265	18.8	16.9	25.3

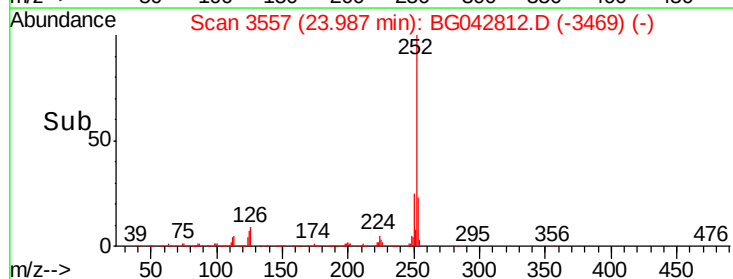
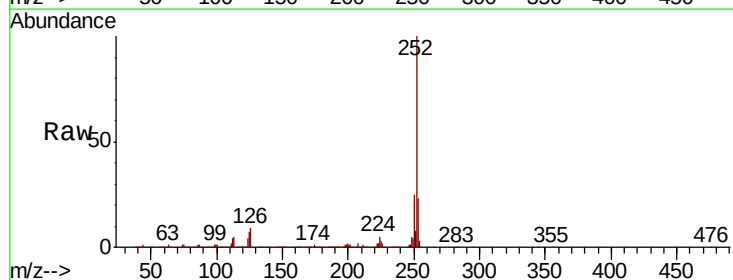
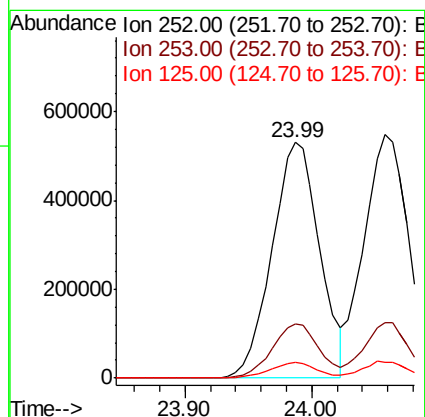
Manual Integrations
APPROVED

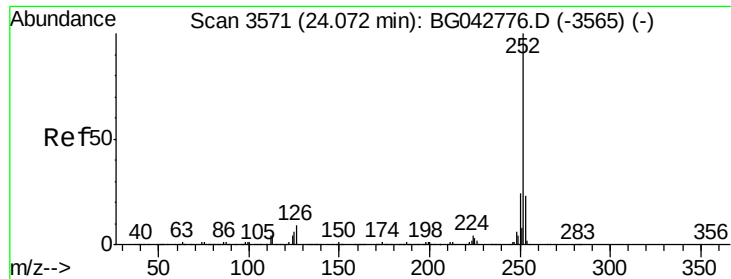
mohammad
9/16/2019 9:03:48 AM



#88
Benzo(b)fluoranthene
Concen: 41.877 ng
RT: 23.99 min Scan# 3557
Delta R.T. -0.01 min
Lab File: BG042812.D
Acq: 13 Sep 2019 11:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.9	26.9
125	6.9	5.6	8.4





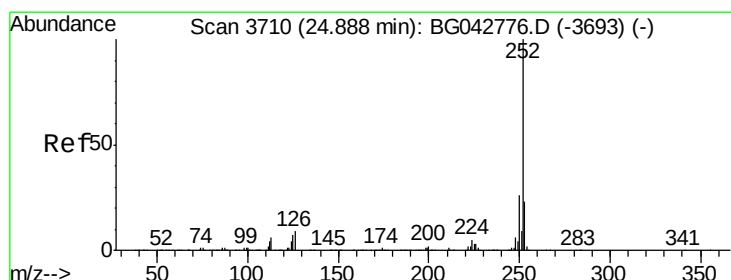
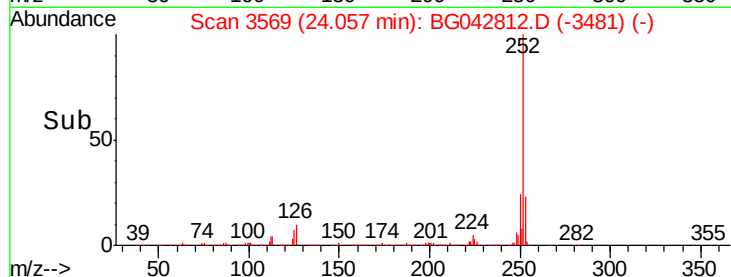
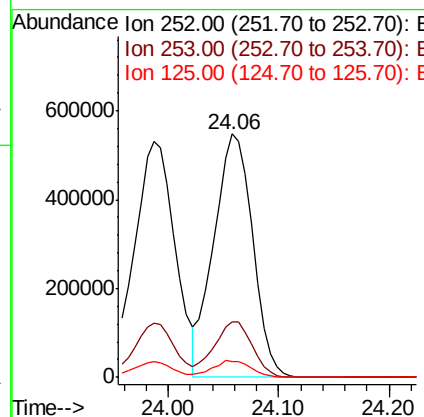
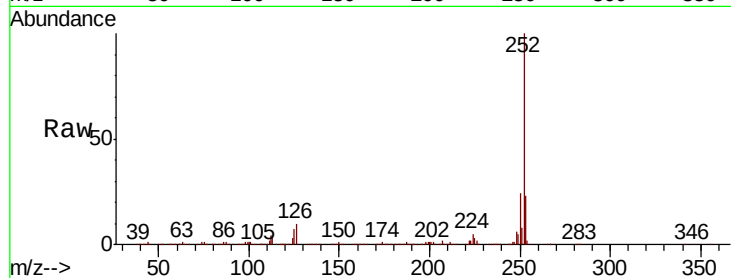
#89
Benzo(k)fluoranthene
Concen: 42.784 ng
RT: 24.06 min Scan# 3569
Delta R.T. -0.01 min
Lab File: BG042812.D
Acq: 13 Sep 2019 11:33

Instrument :
BNA_G
ClientSampleId :
PB123017BS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.2	27.4
125	6.7	5.3	7.9

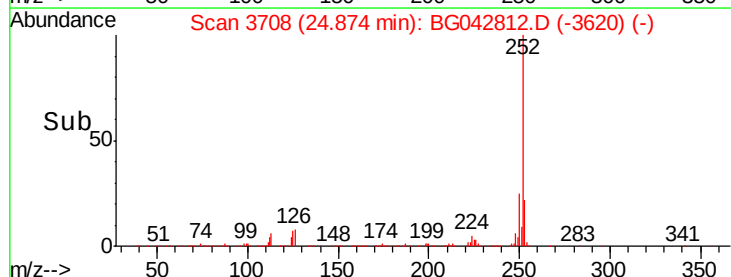
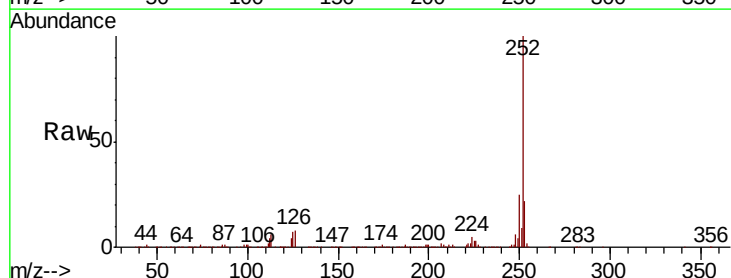
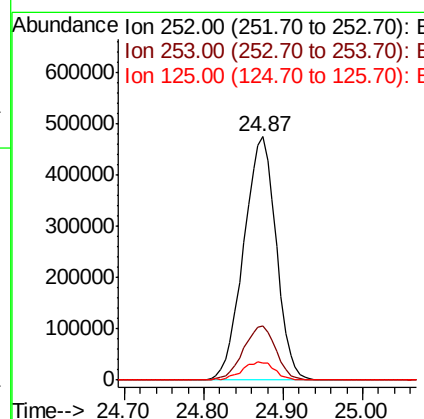
Manual Integrations
APPROVED

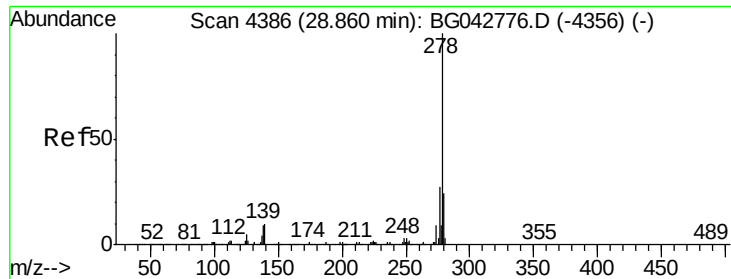
mohammad
9/16/2019 9:03:48 AM



#90
Benzo(a)pyrene
Concen: 43.641 ng
RT: 24.87 min Scan# 3708
Delta R.T. -0.01 min
Lab File: BG042812.D
Acq: 13 Sep 2019 11:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.1	27.1
125	7.2	5.7	8.5





#91

Dibenzo(a,h)anthracene

Concen: 42.925 ng

RT: 28.83 min Scan# 4382

Delta R.T. -0.03 min

Lab File: BG042812.D

Acq: 13 Sep 2019 11:33

Instrument :

BNA_G

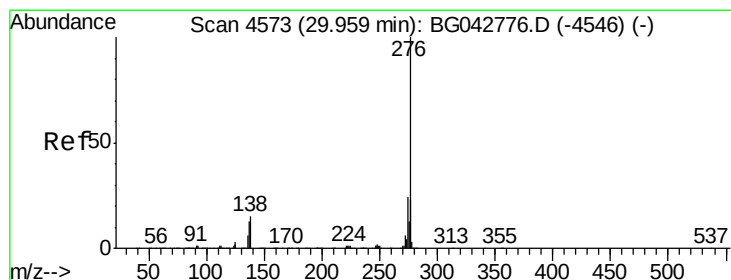
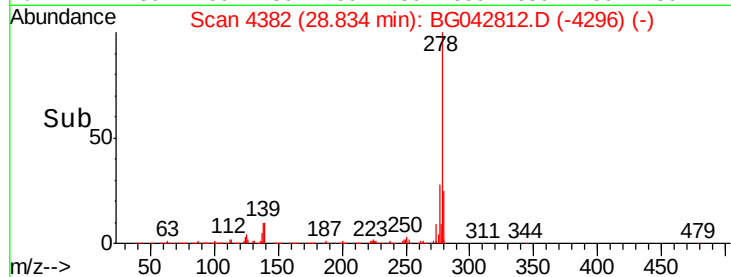
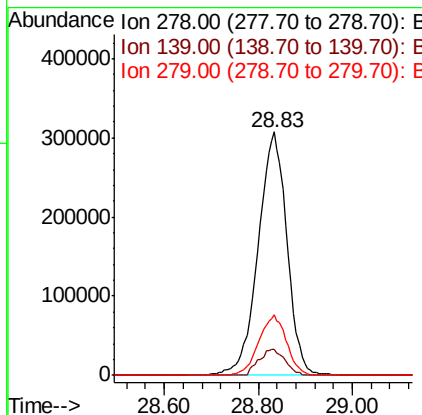
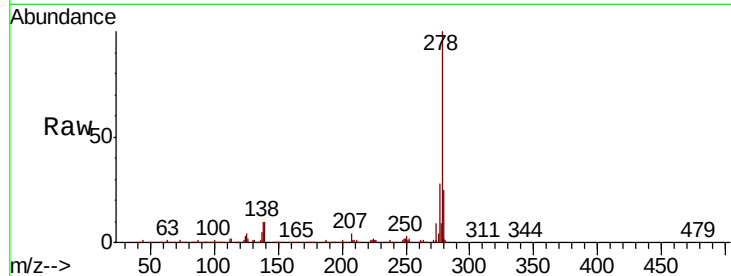
ClientSampleId :

PB123017BS

Tot Ion:	278	Resp:	1305951
Ion	Ratio	Lower	Upper
278	100		
139	10.4	8.2	12.2
279	24.7	19.4	29.2

Manual Integrations
APPROVED

mohammad
9/16/2019 9:03:48 AM



#92

Benzo(g,h,i)perylene

Concen: 43.590 ng

RT: 29.93 min Scan# 4568

Delta R.T. -0.03 min

Lab File: BG042812.D

Acq: 13 Sep 2019 11:33

Tgt Ion:	276	Resp:	1293549
Ion	Ratio	Lower	Upper
276	100		
277	25.4	18.4	27.6
138	13.7	11.8	17.8

