

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG052920\
 Data File : BG045521.D
 Acq On : 29 May 2020 13:18
 Operator : CG/JU
 Sample : PB129160BSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB129160BSD

Manual Integrations
 APPROVED

mohammad
 6/1/2020 12:22:40 PM

Quant Time: May 29 14:05:00 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG051520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 29 11:17:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	67325	20.00	ng	0.00
21) Naphthalene-d8	10.76	136	269610	20.00	ng	0.00
39) Acenaphthene-d10	14.60	164	195171	20.00	ng	0.00
64) Phenanthrene-d10	17.35	188	462017	20.00	ng	0.00
76) Chrysene-d12	21.61	240	431514	20.00	ng	0.00
87) Perylene-d12	24.75	264	479376	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.55	112	526651	152.88	ng	0.00
7) Phenol-d6	7.16	99	736131	150.13	ng	0.00
23) Nitrobenzene-d5	9.12	82	461712	93.39	ng	0.00
42) 2,4,6-Tribromophenol	16.10	330	352535	141.24	ng	0.00
45) 2-Fluorobiphenyl	13.22	172	1064976	92.56	ng	0.00
79) Terphenyl-d14	19.96	244	1796552	97.10	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.40	88	65337	38.25	ng	96
3) Pyridine	3.80	79	152950	32.15	ng	95
4) n-Nitrosodimethylamine	3.71	42	70406	45.22	ng	97
6) Aniline	7.28	93	250388	39.12	ng	99
8) 2-Chlorophenol	7.53	128	196549	52.03	ng	98
9) Benzaldehyde	7.08	77	125591	39.31	ng	96
10) Phenol	7.19	94	259518	51.35	ng	98
11) bis(2-Chloroethyl)ether	7.37	93	185061	46.95	ng	99
12) 1,3-Dichlorobenzene	7.84	146	203741	44.88	ng	99
13) 1,4-Dichlorobenzene	7.99	146	209352	46.73	ng	99
14) 1,2-Dichlorobenzene	8.31	146	199072	46.20	ng	95
15) Benzyl Alcohol	8.21	79	194778	48.09	ng	98
16) 2,2'-oxybis(1-Chloropropan	8.49	45	170456	45.56	ng	96
17) 2-Methylphenol	8.43	107	172990	45.73	ng	96
18) Hexachloroethane	9.04	117	78641	45.83	ng	93
19) n-Nitroso-di-n-propylamine	8.76	70	157649	46.50	ng	98
20) 3+4-Methylphenols	8.76	107	236848	45.98	ng	# 83
22) Acetophenone	8.78	105	293207	45.88	ng	97
24) Nitrobenzene	9.16	77	238544	45.03	ng	99
25) Isophorone	9.68	82	445229	45.73	ng	99
26) 2-Nitrophenol	9.87	139	112405	49.60	ng	# 87
27) 2,4-Dimethylphenol	9.96	122	187822	55.89	ng	97
28) bis(2-Chloroethoxy)methane	10.17	93	248055	48.58	ng	94
29) 2,4-Dichlorophenol	10.43	162	200592	50.54	ng	99
30) 1,2,4-Trichlorobenzene	10.63	180	220297	46.98	ng	99
31) Naphthalene	10.81	128	594358	47.31	ng	99
32) Benzoic acid	10.14	122	126648	53.86	ng	94
33) 4-Chloroaniline	10.93	127	127985	24.37	ng	98
34) Hexachlorobutadiene	11.10	225	146718	44.26	ng	97
35) Caprolactam	11.70	113	71242m	48.91	ng	
36) 4-Chloro-3-methylphenol	12.08	107	227835	50.95	ng	99
37) 2-Methylnaphthalene	12.42	142	453015	48.38	ng	98
38) 1-Methylnaphthalene	12.64	142	429825	48.59	ng	94
40) 1,2,4,5-Tetrachlorobenzene	12.79	216	258061	47.34	ng	98

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG052920\
 Data File : BG045521.D
 Acq On : 29 May 2020 13:18
 Operator : CG/JU
 Sample : PB129160BSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB129160BSD

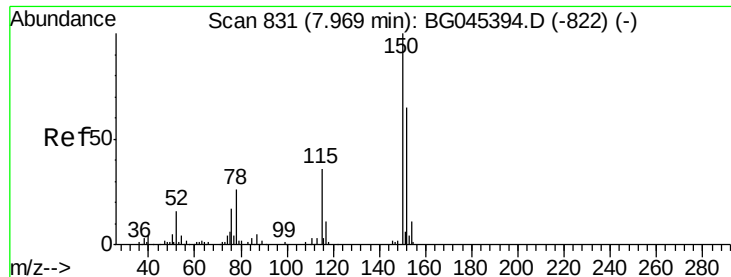
Manual Integrations
 APPROVED

mohammad
 6/1/2020 12:22:40 PM

Quant Time: May 29 14:05:00 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG051520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 29 11:17:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.78	237	303822	96.56	ng	99
43) 2,4,6-Trichlorophenol	13.04	196	175909	46.45	ng	99
44) 2,4,5-Trichlorophenol	13.13	196	186851	43.18	ng	98
46) 1,1'-Biphenyl	13.43	154	588625	49.08	ng	99
47) 2-Chloronaphthalene	13.48	162	447739	45.98	ng	99
48) 2-Nitroaniline	13.68	65	144106	44.99	ng	87
49) Acenaphthylene	14.32	152	746957	47.75	ng	100
50) Dimethylphthalate	14.06	163	610926	45.63	ng	99
51) 2,6-Dinitrotoluene	14.17	165	141054	46.69	ng	91
52) Acenaphthene	14.66	154	553567m	52.87	ng	
53) 3-Nitroaniline	14.51	138	91186	29.69	ng	96
54) 2,4-Dinitrophenol	14.72	184	177751	89.15	ng	96
55) Dibenzofuran	15.00	168	716558	46.08	ng	98
56) 4-Nitrophenol	14.86	139	220241	94.72	ng	99
57) 2,4-Dinitrotoluene	14.96	165	200454	45.81	ng	98
58) Fluorene	15.65	166	596753	46.72	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.24	232	182322	47.89	ng	96
60) Diethylphthalate	15.42	149	638623	45.83	ng	99
61) 4-Chlorophenyl-phenylether	15.64	204	331329	45.33	ng	99
62) 4-Nitroaniline	15.68	138	143815	44.86	ng	96
63) Azobenzene	15.94	77	604786	46.54	ng	98
65) 4,6-Dinitro-2-methylphenol	15.73	198	133027	49.44	ng	92
66) n-Nitrosodiphenylamine	15.86	169	537651	48.47	ng	97
67) 4-Bromophenyl-phenylether	16.54	248	234410	46.85	ng	93
68) Hexachlorobenzene	16.66	284	251973	48.15	ng	98
69) Atrazine	16.81	200	212475	46.50	ng	99
70) Pentachlorophenol	17.01	266	273607	100.70	ng	97
71) Phenanthrene	17.39	178	974277	48.30	ng	100
72) Anthracene	17.48	178	1006680	49.70	ng	98
73) Carbazole	17.75	167	919761	46.59	ng	100
74) Di-n-butylphthalate	18.31	149	1110300	46.85	ng	99
75) Fluoranthene	19.40	202	1225829	47.78	ng	99
77) Benzidine	19.58	184	662644	54.68	ng	98
78) Pyrene	19.76	202	1207599	49.09	ng	99
80) Butylbenzylphthalate	20.65	149	492669	46.40	ng	98
81) Benzo(a)anthracene	21.59	228	1170528	48.69	ng	99
82) 3,3'-Dichlorobenzidine	21.51	252	311091	32.99	ng	99
83) Chrysene	21.65	228	1109747	48.01	ng	98
84) Bis(2-ethylhexyl)phthalate	21.50	149	695231	47.64	ng	98
85) Di-n-octyl phthalate	22.69	149	1174207	46.84	ng	100
86) Indeno(1,2,3-cd)pyrene	28.33	276	1459014	48.27	ng	# 95
88) Benzo(b)fluoranthene	23.76	252	1231679	47.91	ng	100
89) Benzo(k)fluoranthene	23.83	252	1222364	50.61	ng	99
90) Benzo(a)pyrene	24.61	252	1147133	47.91	ng	# 98
91) Dibenzo(a,h)anthracene	28.40	278	1187209	49.34	ng	98
92) Benzo(g,h,i)perylene	29.45	276	1206320	50.13	ng	96

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



#1

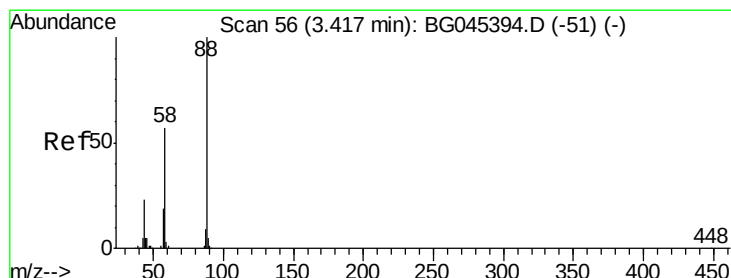
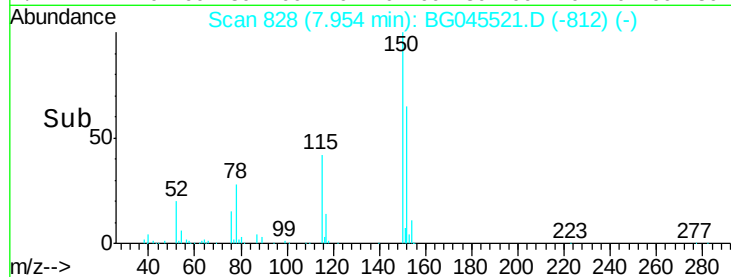
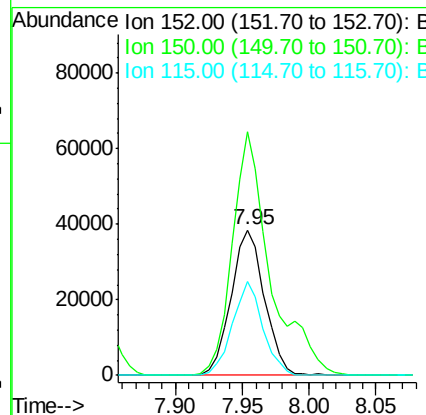
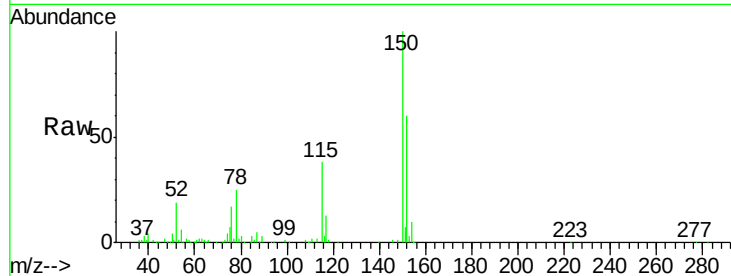
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.95 min Scan# 828
Delta R.T. -0.00 min
Lab File: BG045521.D
Acq: 29 May 2020 13:18

Instrument :
BNA_G
ClientSampleId :
PB129160BSD

Tgt Ion	Ratio	Lower	Upper
152	100		
150	167.8	122.4	183.6
115	64.3	44.2	66.4

Manual Integrations
APPROVED

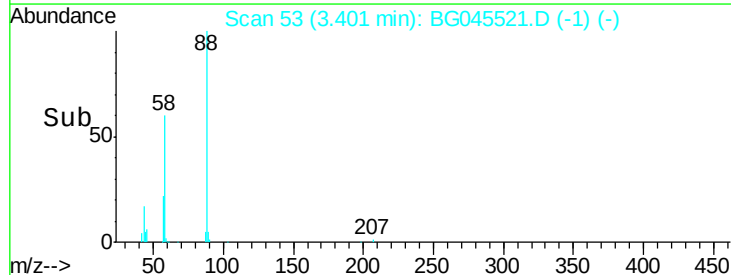
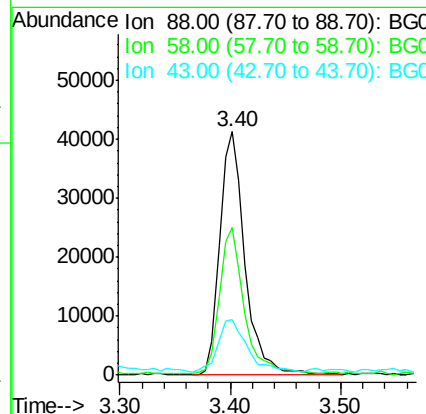
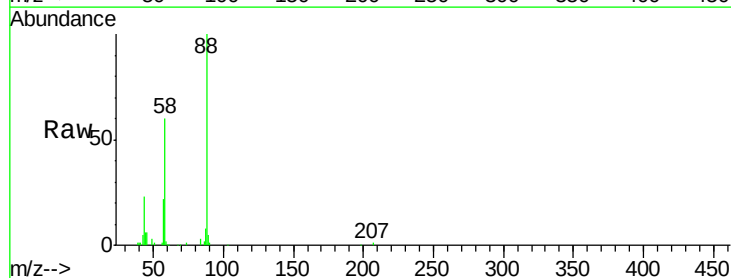
mohammad
6/1/2020 12:22:40 PM

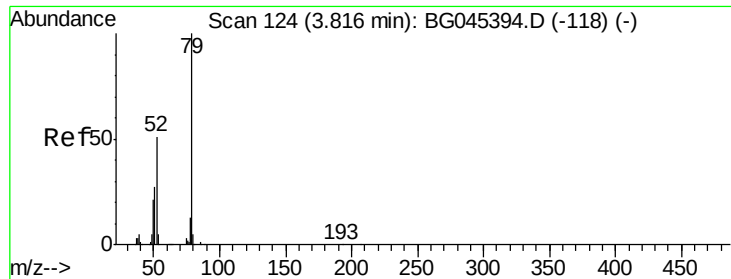


#2

1,4-Dioxane
Concen: 38.25 ng
RT: 3.40 min Scan# 53
Delta R.T. -0.00 min
Lab File: BG045521.D
Acq: 29 May 2020 13:18

Tgt Ion	Ratio	Lower	Upper
88	100		
58	58.7	45.7	68.5
43	24.4	16.8	25.2





#3

Pyridine

Concen: 32.15 ng

RT: 3.80 min Scan# 121

Delta R.T. -0.00 min

Lab File: BG045521.D

Acq: 29 May 2020 13:18

Instrument :

BNA_G

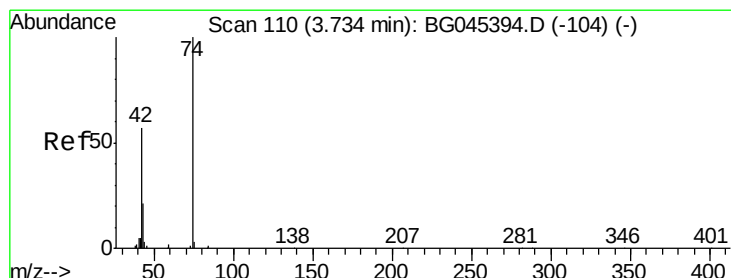
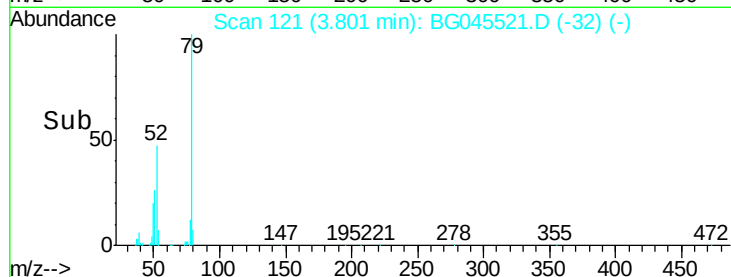
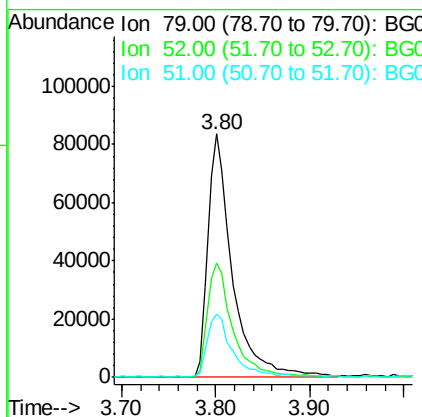
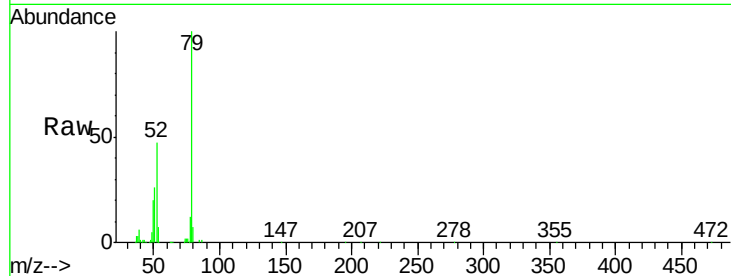
ClientSampleId :

PB129160BSD

Tgt Ion	Ratio	Lower	Upper
79	100		
52	46.8	40.8	61.2
51	26.1	21.9	32.9

Manual Integrations
APPROVED

mohammad
6/1/2020 12:22:40 PM



#4

n-Nitrosodimethylamine

Concen: 45.22 ng

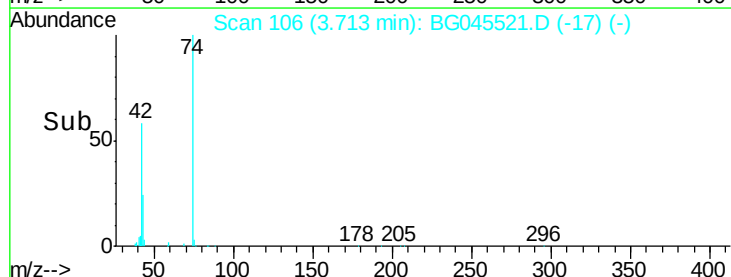
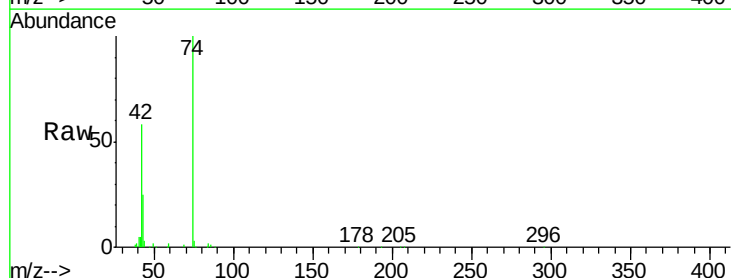
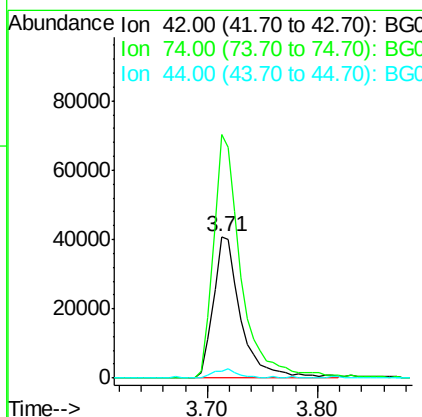
RT: 3.71 min Scan# 106

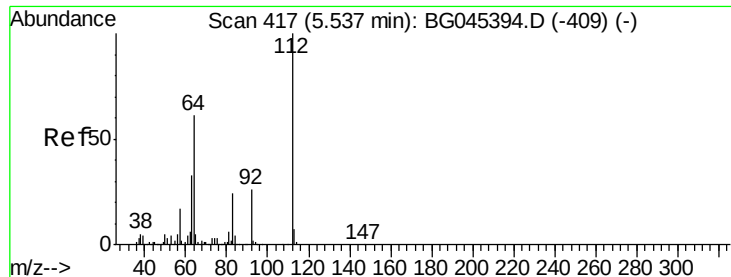
Delta R.T. -0.00 min

Lab File: BG045521.D

Acq: 29 May 2020 13:18

Tgt Ion	Ratio	Lower	Upper
42	100		
74	172.0	141.3	211.9
44	5.2	4.2	6.4





#5

2-Fluorophenol

Concen: 152.88 ng

RT: 5.55 min Scan# 419

Delta R.T. 0.00 min

Lab File: BG045521.D

Acq: 29 May 2020 13:18

Instrument :

BNA_G

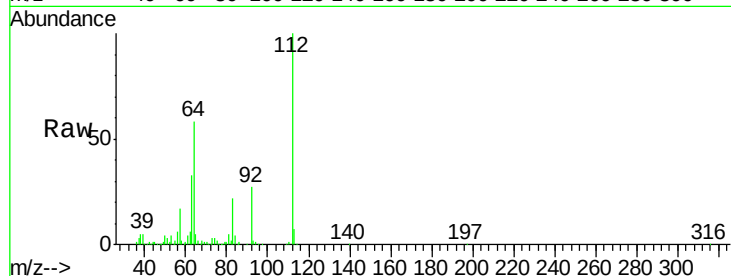
ClientSampleId :

PB129160BSD

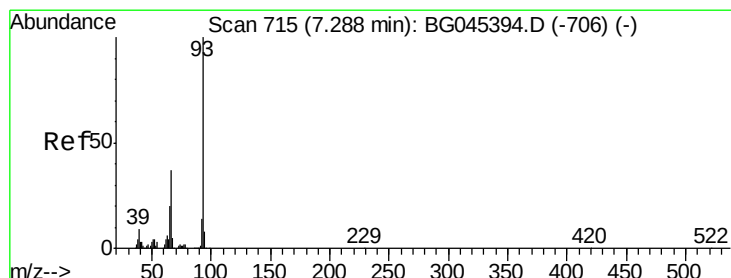
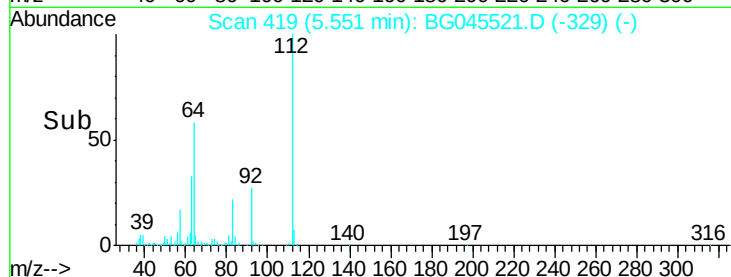
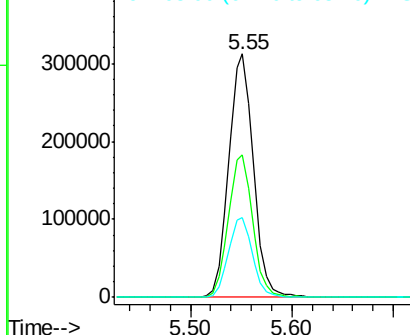
Tgt Ion	Ratio	Resp	Lower	Upper
112	100	526651		
64	58.4	48.6	72.8	
63	32.6	26.5	39.7	

Manual Integrations
APPROVED

mohammad
6/1/2020 12:22:40 PM



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



#6

Aniline

Concen: 39.12 ng

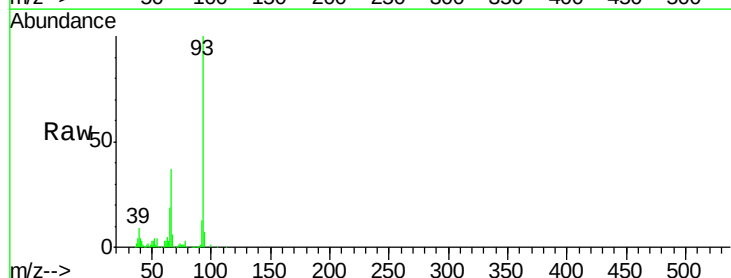
RT: 7.28 min Scan# 713

Delta R.T. -0.00 min

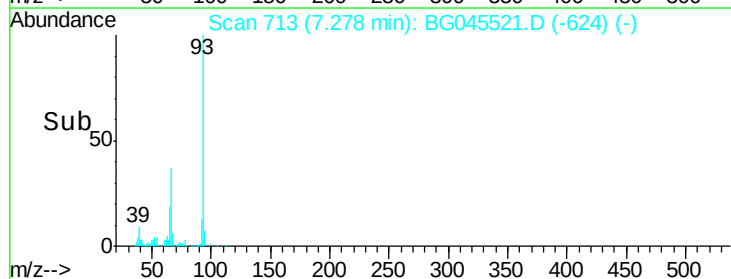
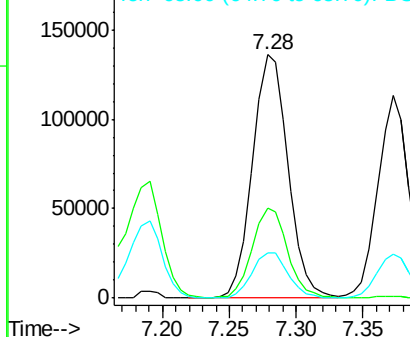
Lab File: BG045521.D

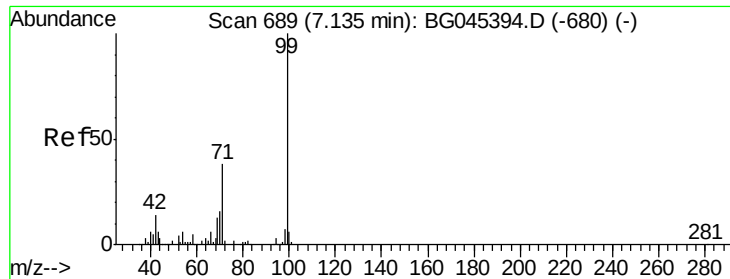
Acq: 29 May 2020 13:18

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	250388		
66	37.0	29.6	44.4	
65	18.6	15.9	23.9	



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





#7

Phenol-d6

Concen: 150.13 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.00 min

Lab File: BG045521.D

Acq: 29 May 2020 13:18

Instrument :

BNA_G

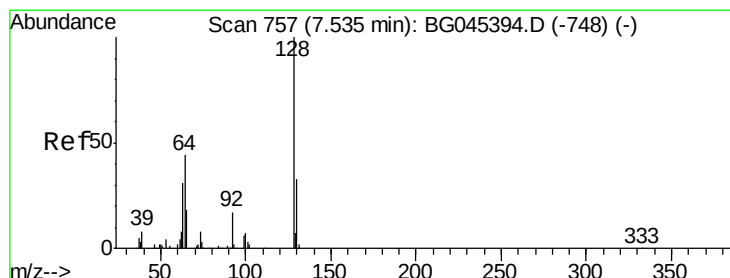
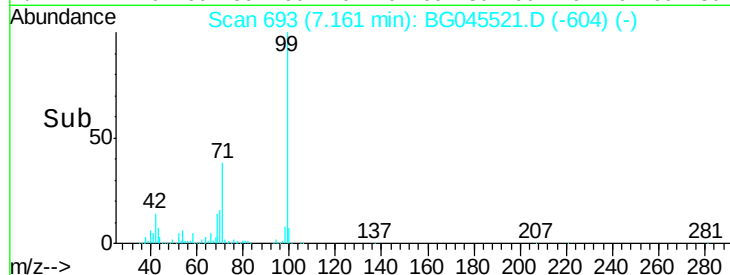
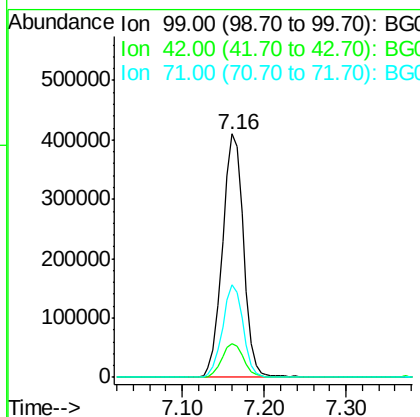
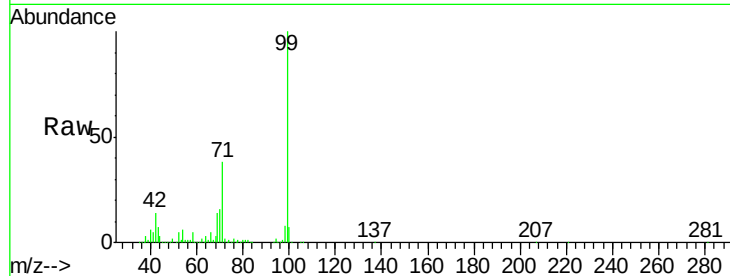
ClientSampleId :

PB129160BSD

Tgt Ion:	99	Resp:	736131
Ion Ratio	Lower	Upper	
99	100		
42	13.6	11.3	16.9
71	38.1	30.8	46.2

Manual Integrations
APPROVED

mohammad
6/1/2020 12:22:40 PM



#8

2-Chlorophenol

Concen: 52.03 ng

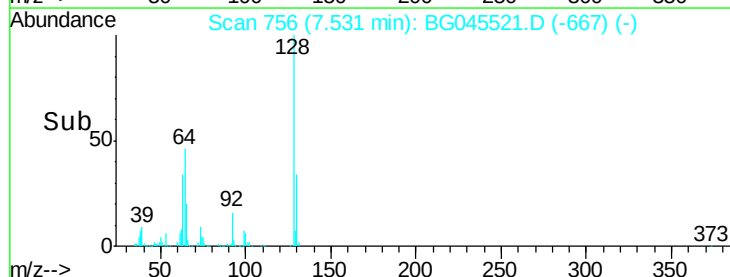
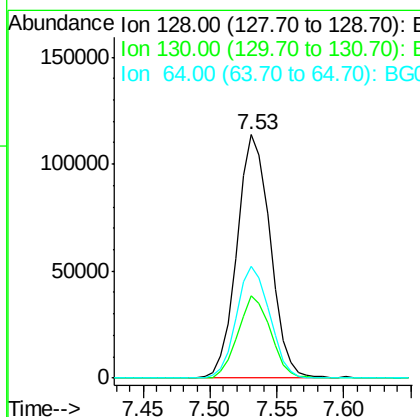
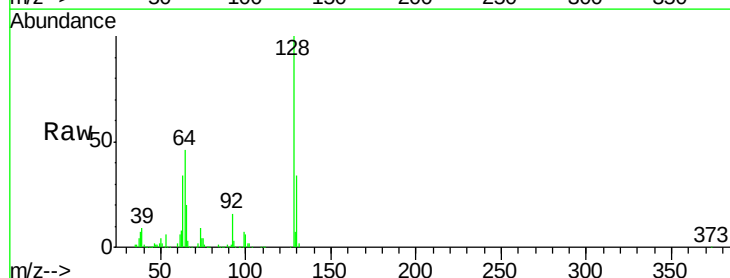
RT: 7.53 min Scan# 756

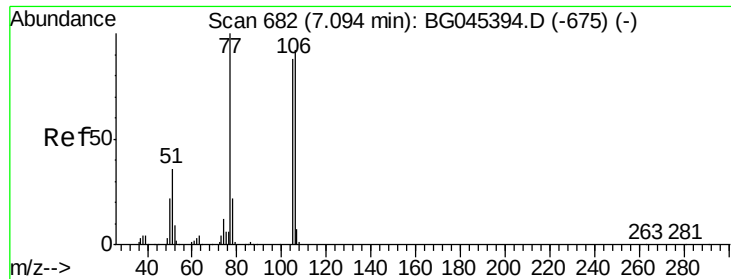
Delta R.T. -0.00 min

Lab File: BG045521.D

Acq: 29 May 2020 13:18

Tgt Ion:	128	Resp:	196549
Ion Ratio	Lower	Upper	
128	100		
130	33.8	12.6	52.6
64	45.8	27.0	67.0





#9

Benzaldehyde

Concen: 39.31 ng

RT: 7.08 min Scan# 680

Delta R.T. -0.00 min

Lab File: BG045521.D

Acq: 29 May 2020 13:18

Instrument :

BNA_G

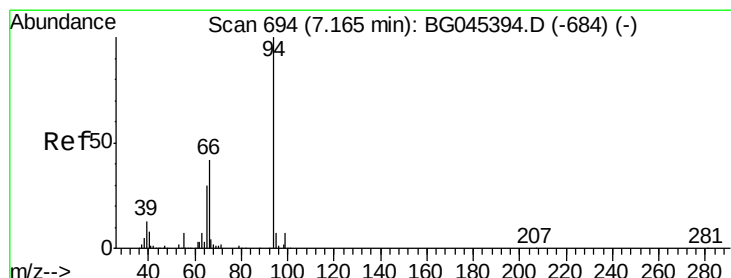
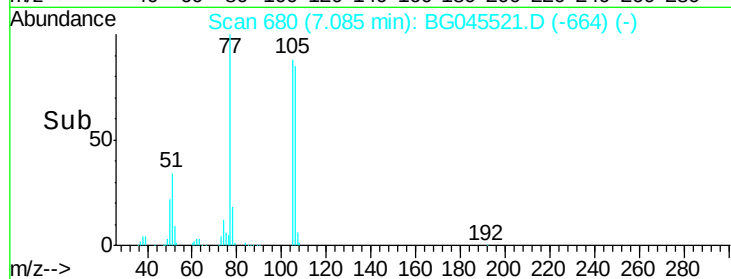
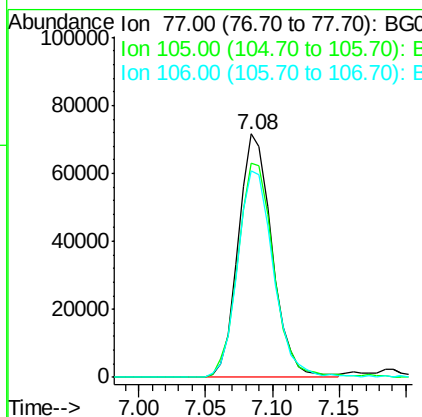
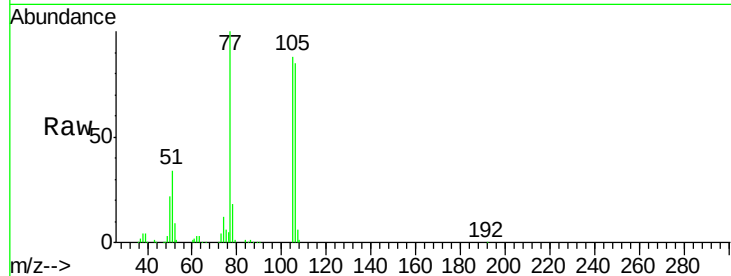
ClientSampleId :

PB129160BSD

Tgt Ion:	77	Resp:	125591
Ion Ratio	Lower	Upper	
77	100		
105	88.2	68.5	108.5
106	84.9	71.6	111.6

Manual Integrations
APPROVED

mohammad
6/1/2020 12:22:40 PM



#10

Phenol

Concen: 51.35 ng

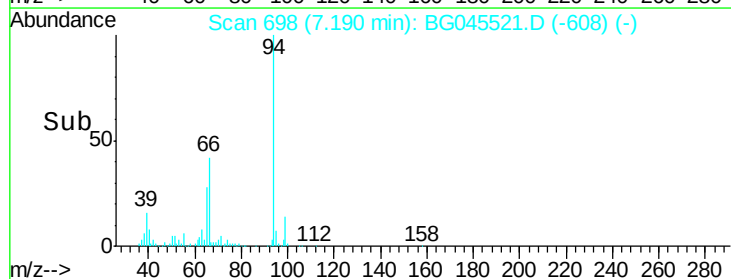
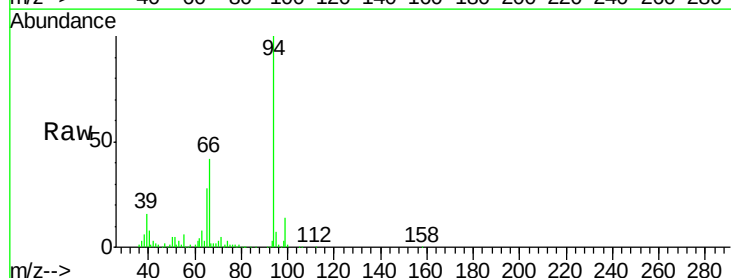
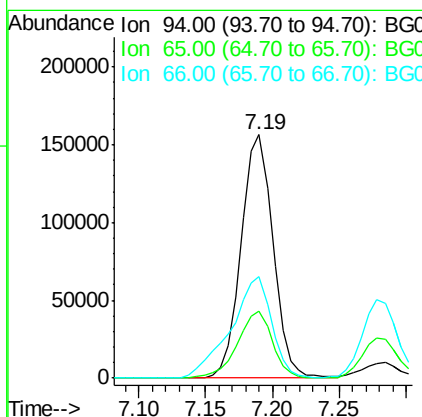
RT: 7.19 min Scan# 698

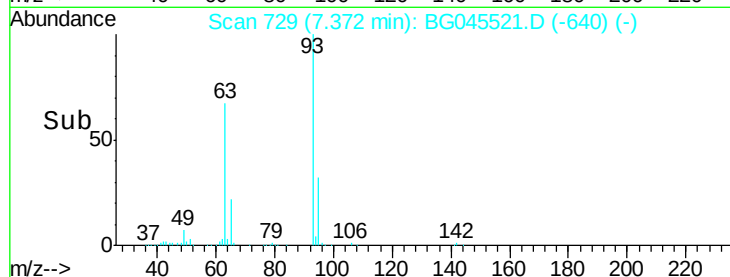
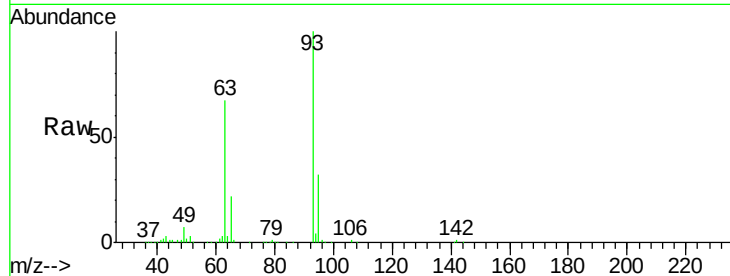
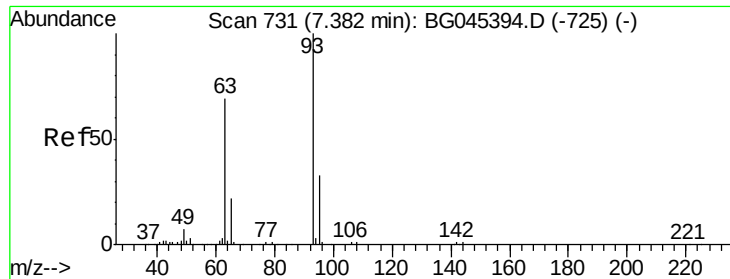
Delta R.T. 0.00 min

Lab File: BG045521.D

Acq: 29 May 2020 13:18

Tgt Ion:	94	Resp:	259518
Ion Ratio	Lower	Upper	
94	100		
65	27.6	9.8	49.8
66	41.8	22.0	62.0





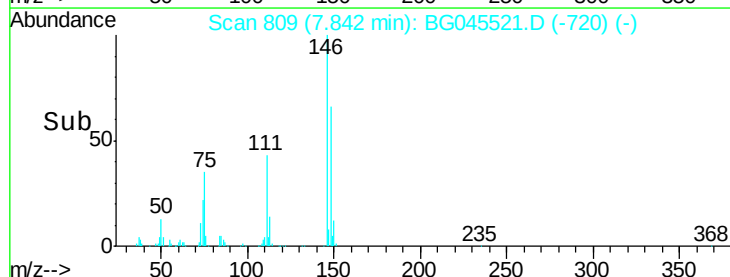
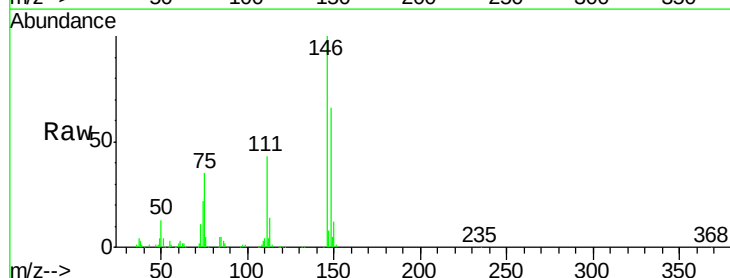
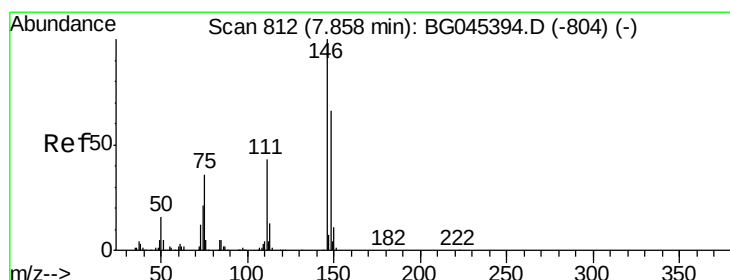
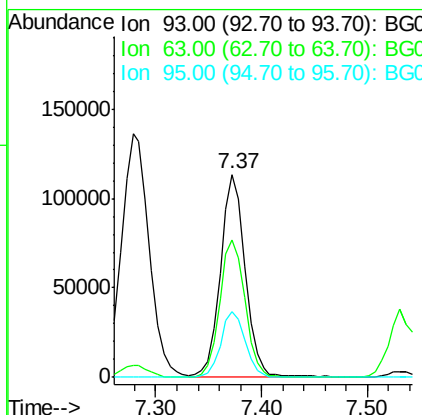
#11
bis(2-Chloroethyl)ether
Concen: 46.95 ng
RT: 7.37 min Scan# 729
Delta R.T. -0.00 min
Lab File: BG045521.D
Acq: 29 May 2020 13:18

Tgt Ion:	93	Resp:	185061
Ion	Ratio	Lower	Upper
93	100		
63	67.4	48.4	88.4
95	32.2	12.4	52.4

Instrument :
BNA_G
ClientSampleId :
PB129160BSD

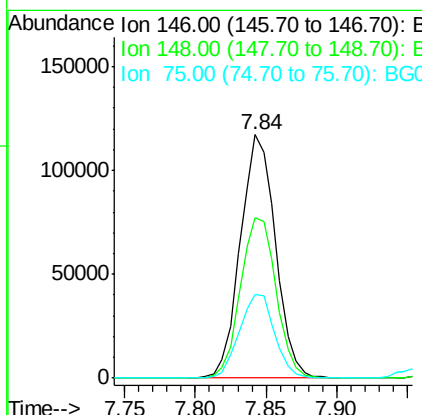
Manual Integrations
APPROVED

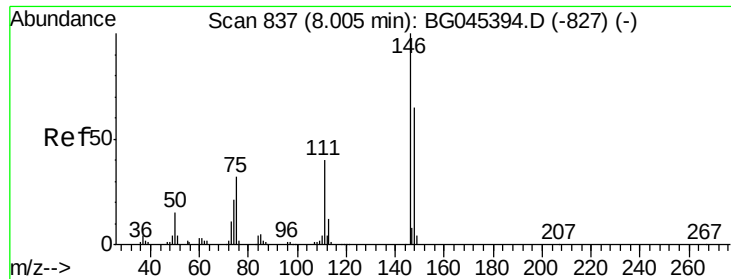
mohammad
6/1/2020 12:22:40 PM



#12
1,3-Dichlorobenzene
Concen: 44.88 ng
RT: 7.84 min Scan# 809
Delta R.T. -0.00 min
Lab File: BG045521.D
Acq: 29 May 2020 13:18

Tgt Ion:	146	Resp:	203741
Ion	Ratio	Lower	Upper
146	100		
148	65.9	53.2	79.8
75	34.6	28.6	43.0





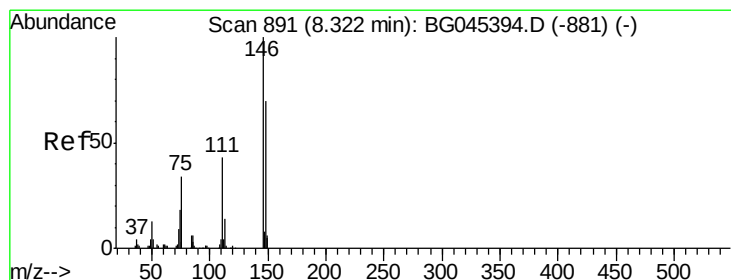
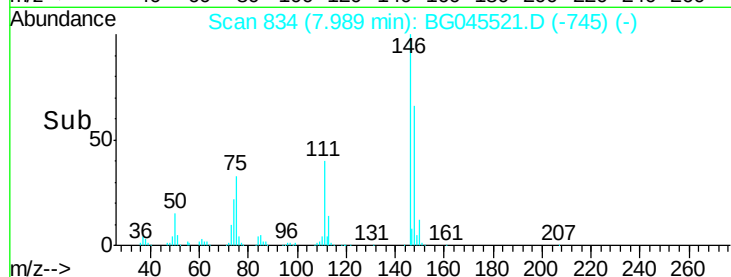
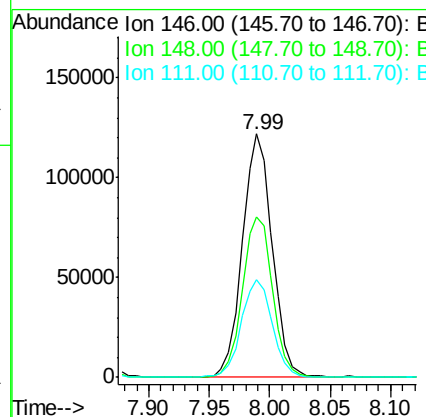
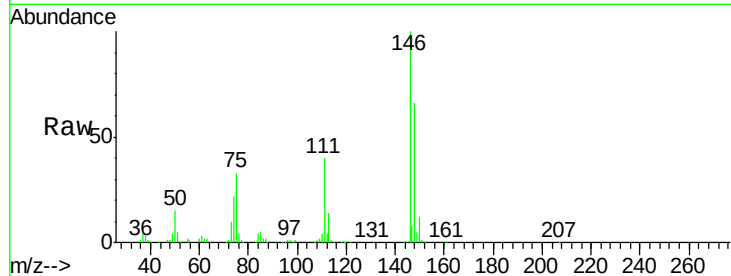
#13
 1,4-Dichlorobenzene
 Concen: 46.73 ng
 RT: 7.99 min Scan# 834
 Delta R.T. -0.00 min
 Lab File: BG045521.D
 Acq: 29 May 2020 13:18

Instrument :
 BNA_G
 ClientSampleId :
 PB129160BSD

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	209352		
148	65.7	51.8	77.8	
111	39.9	32.1	48.1	

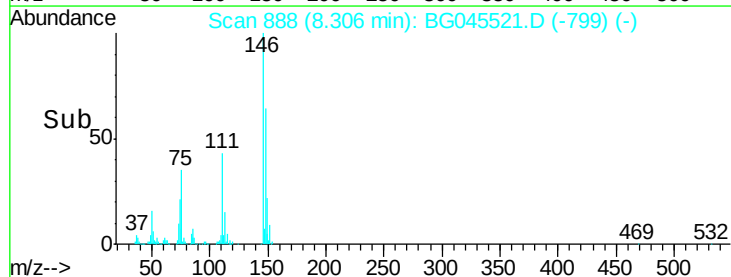
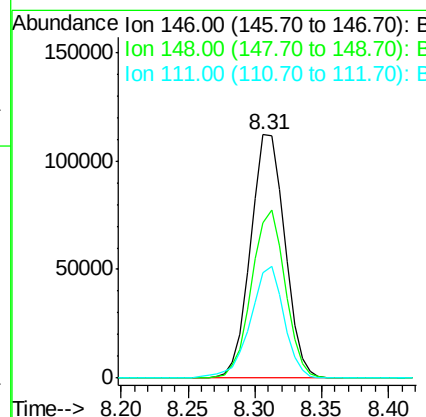
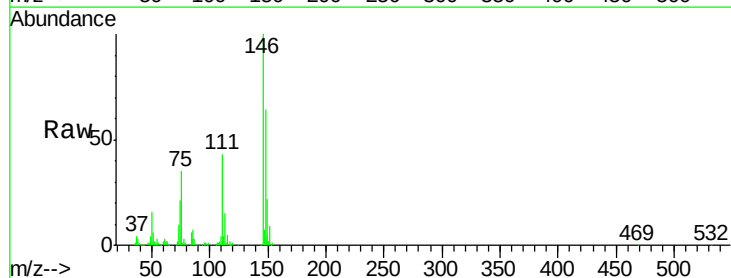
Manual Integrations
 APPROVED

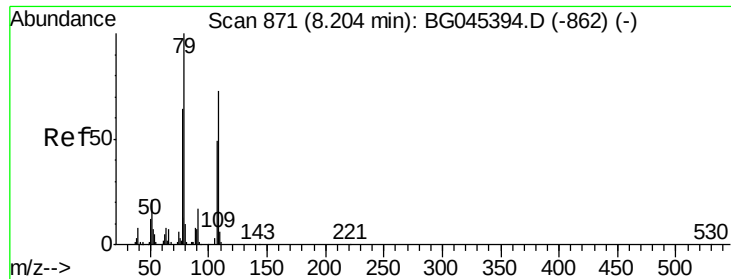
mohammad
 6/1/2020 12:22:40 PM



#14
 1,2-Dichlorobenzene
 Concen: 46.20 ng
 RT: 8.31 min Scan# 888
 Delta R.T. -0.00 min
 Lab File: BG045521.D
 Acq: 29 May 2020 13:18

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	199072		
148	63.6	55.9	83.9	
111	43.2	35.0	52.4	





#15

Benzyl Alcohol

Concen: 48.09 ng

RT: 8.21 min Scan# 871

Delta R.T. 0.00 min

Lab File: BG045521.D

Acq: 29 May 2020 13:18

Instrument :

BNA_G

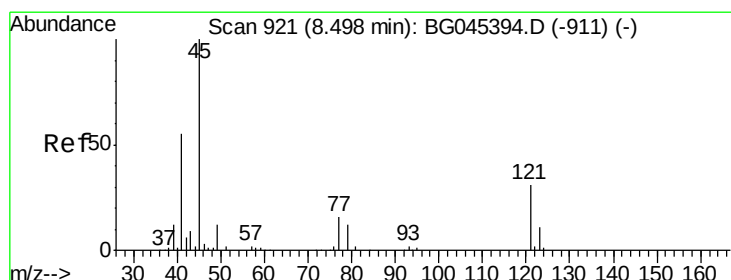
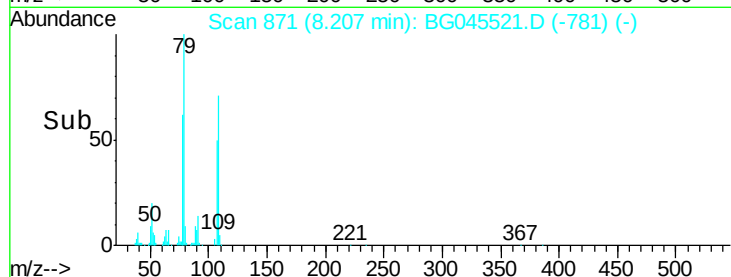
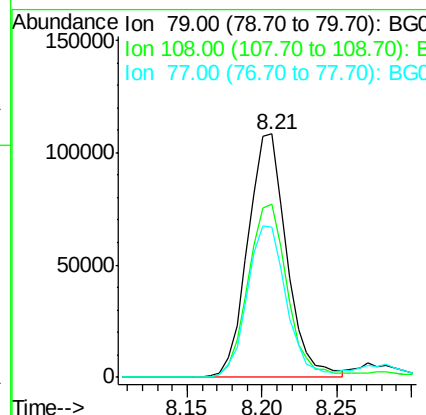
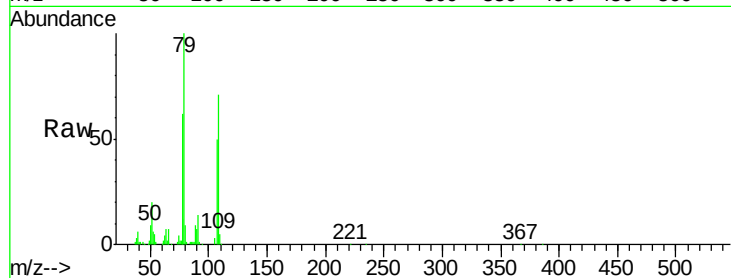
ClientSampleId :

PB129160BSD

Tgt Ion:	79	Resp:	194778
Ion Ratio	Lower	Upper	
79	100		
108	71.3	58.2	87.4
77	61.6	51.0	76.4

Manual Integrations
APPROVED

mohammad
6/1/2020 12:22:40 PM



#16

2,2'-oxybis(1-Chloropropane)

Concen: 45.56 ng

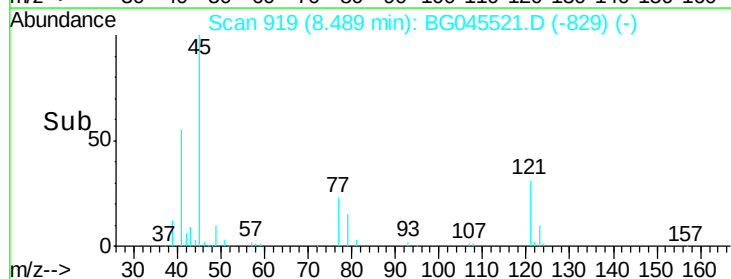
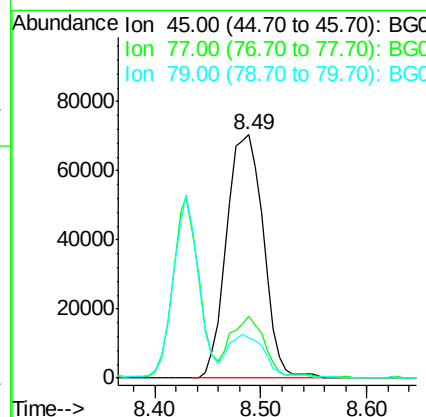
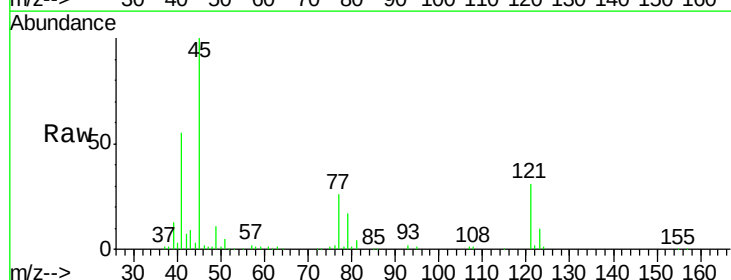
RT: 8.49 min Scan# 919

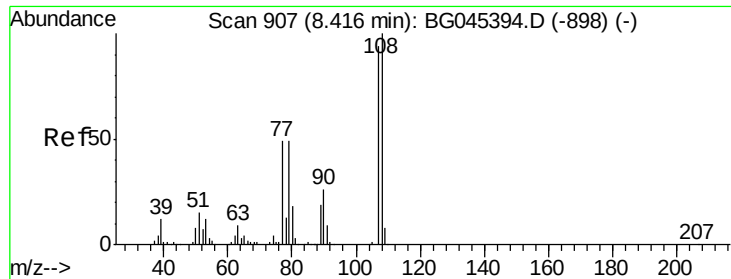
Delta R.T. 0.00 min

Lab File: BG045521.D

Acq: 29 May 2020 13:18

Tgt Ion:	45	Resp:	170456
Ion Ratio	Lower	Upper	
45	100		
77	25.6	4.0	44.0
79	16.6	0.0	38.6





#17

2-Methylphenol

Concen: 45.73 ng

RT: 8.43 min Scan# 909

Delta R.T. -0.00 min

Lab File: BG045521.D

Acq: 29 May 2020 13:18

Instrument :

BNA_G

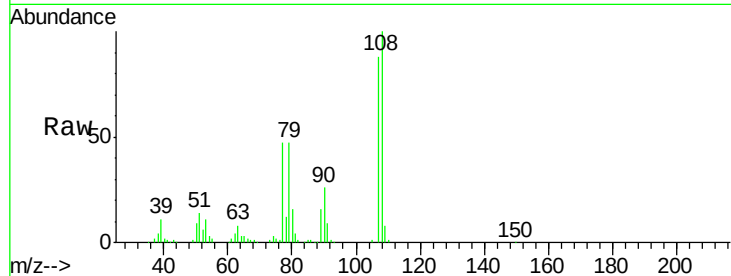
ClientSampleId :

PB129160BSD

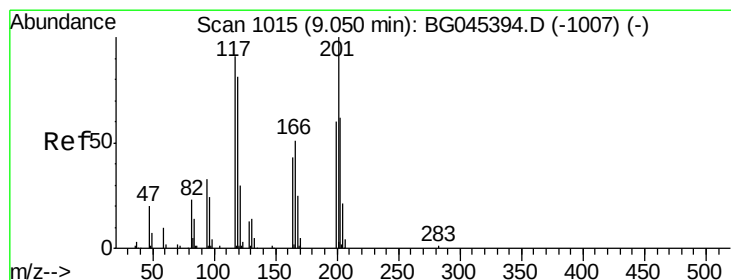
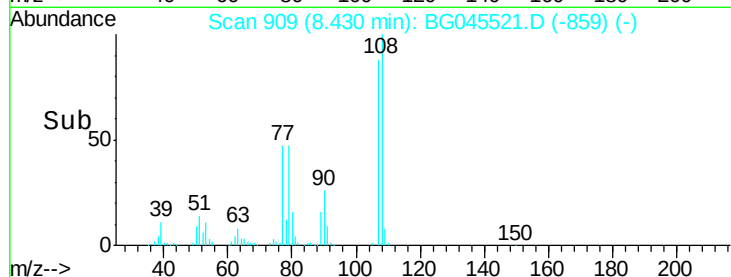
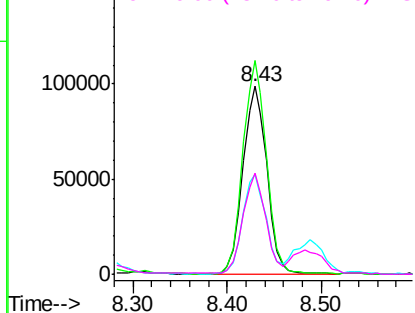
Tgt Ion:	107	Resp:	172990
Ion Ratio	Lower	Upper	
107	100		
108	113.8	85.2	127.8
77	53.0	41.6	62.4
79	53.6	41.8	62.8

Manual Integrations
APPROVED

mohammad
6/1/2020 12:22:40 PM



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: 45.83 ng

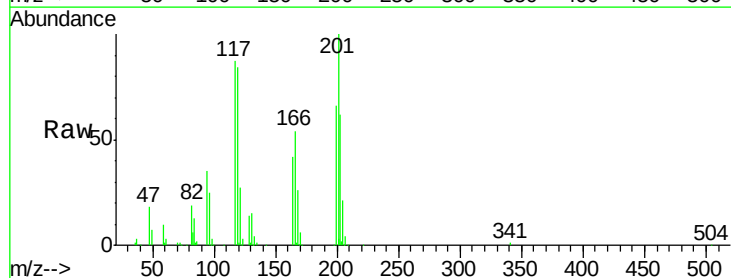
RT: 9.04 min Scan# 1013

Delta R.T. 0.00 min

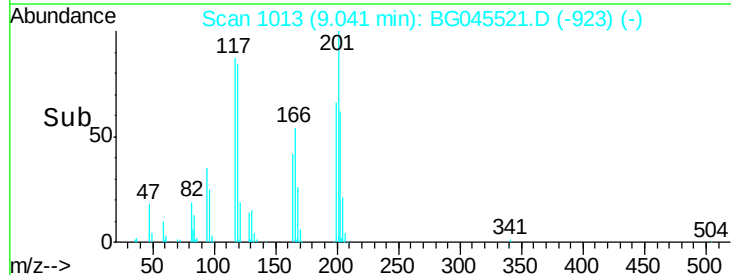
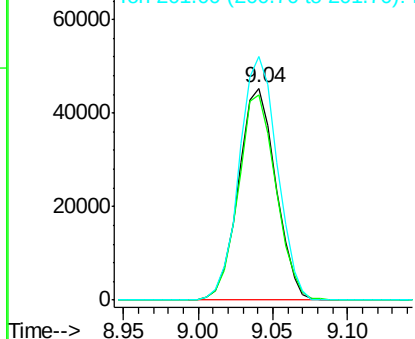
Lab File: BG045521.D

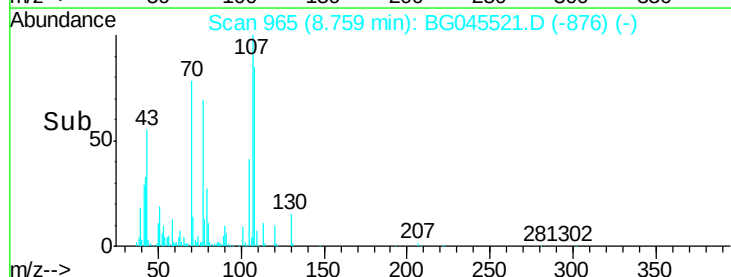
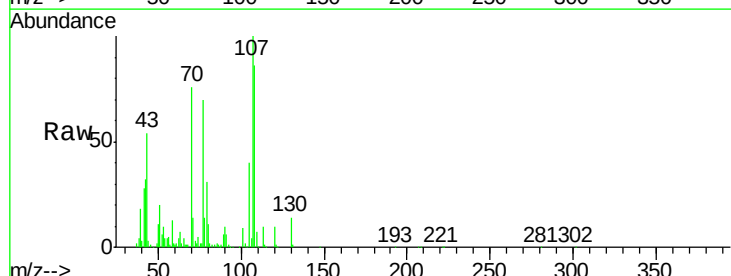
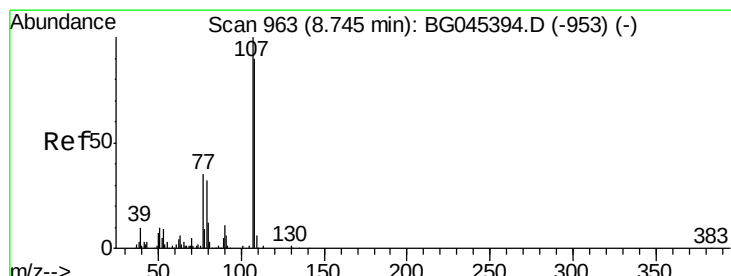
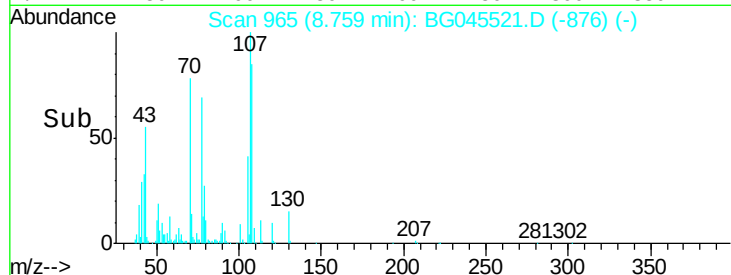
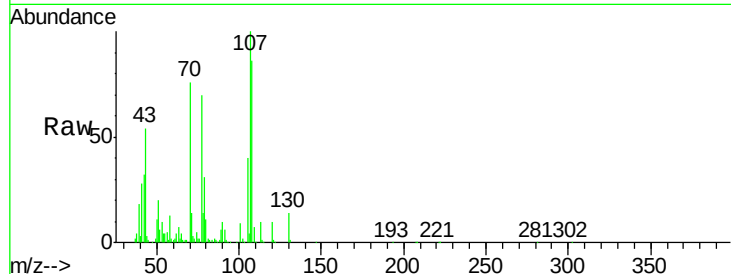
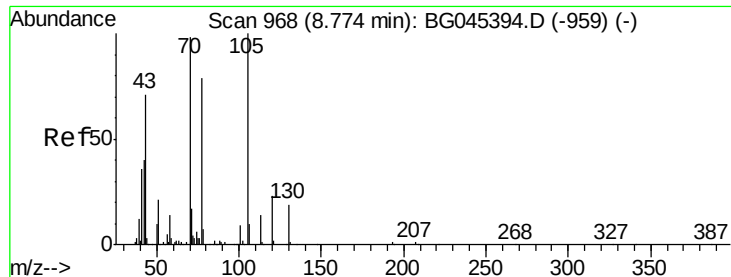
Acq: 29 May 2020 13:18

Tgt Ion:	117	Resp:	78641
Ion Ratio	Lower	Upper	
117	100		
119	96.9	71.3	106.9
201	114.8	87.5	131.3



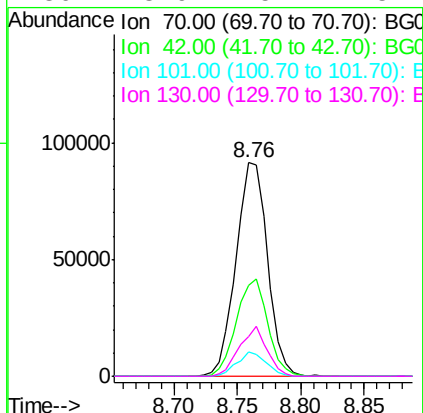
Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E





#19
n-Nitroso-di-n-propylamine
Concen: 46.50 ng
RT: 8.76 min Scan# 965
Delta R.T. -0.00 min
Lab File: BG045521.D
Acq: 29 May 2020 13:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
70	100		157649		
42	42.5	33.2	49.8		
101	11.5	7.8	11.6		
130	18.9	15.4	23.2		



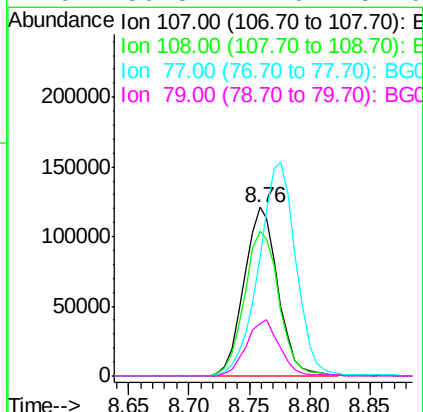
Instrument :
BNA_G
ClientSampleId :
PB129160BSD

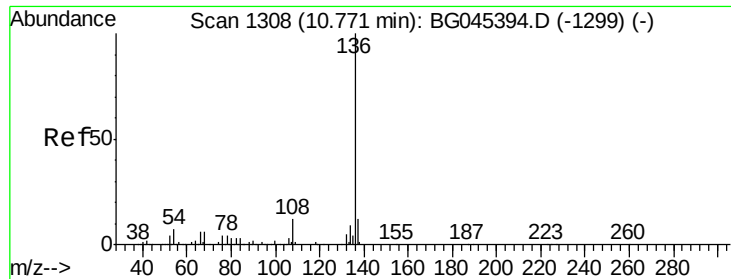
Manual Integrations
APPROVED

mohammad
6/1/2020 12:22:40 PM

#20
3+4-Methylphenols
Concen: 45.98 ng
RT: 8.76 min Scan# 965
Delta R.T. -0.00 min
Lab File: BG045521.D
Acq: 29 May 2020 13:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		236848		
108	85.6	70.3	110.3		
77	70.5	15.4	55.4		
79	30.8	12.6	52.6		





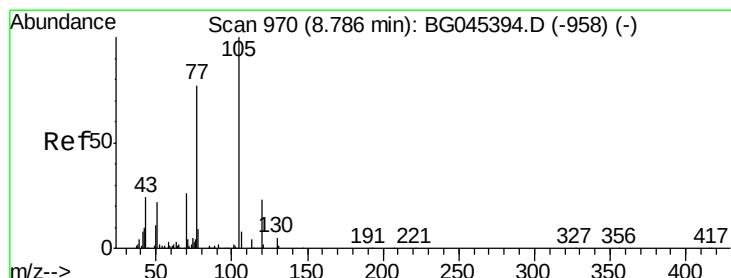
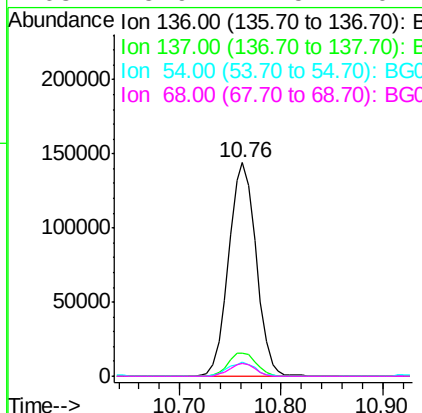
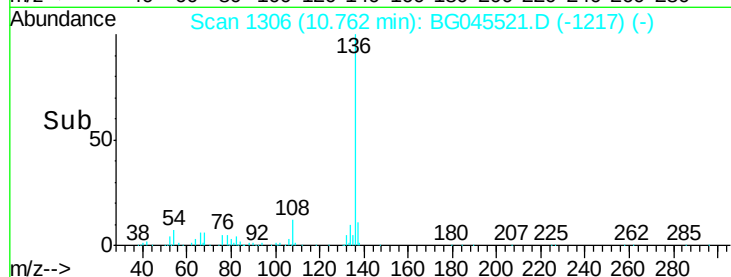
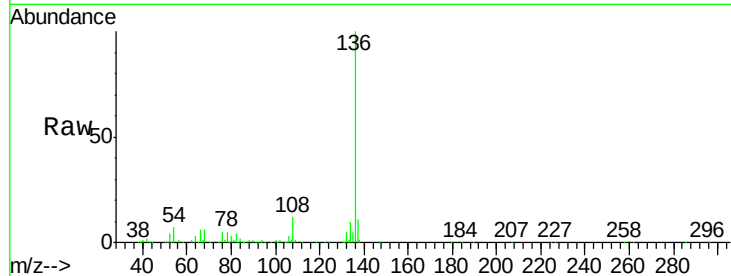
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.76 min Scan# 1306
Delta R.T. -0.00 min
Lab File: BG045521.D
Acq: 29 May 2020 13:18

Instrument :
BNA_G
ClientSampleId :
PB129160BSD

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	269610		
137	10.6	9.4	14.2	
54	6.9	5.8	8.6	
68	5.9	4.5	6.7	

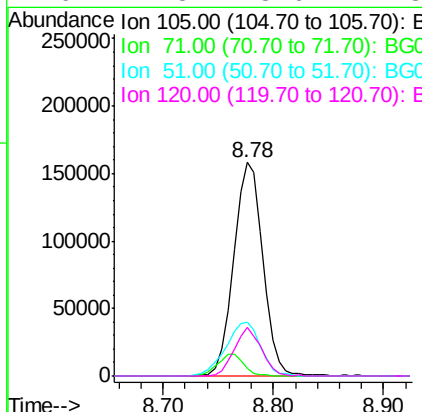
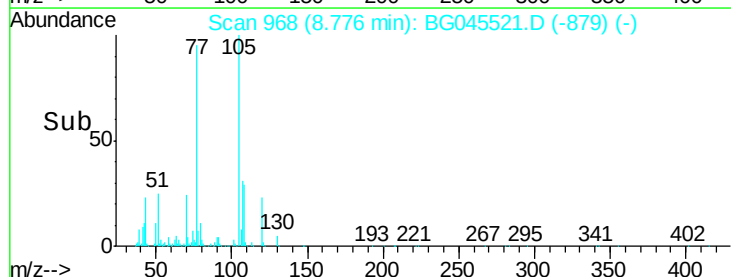
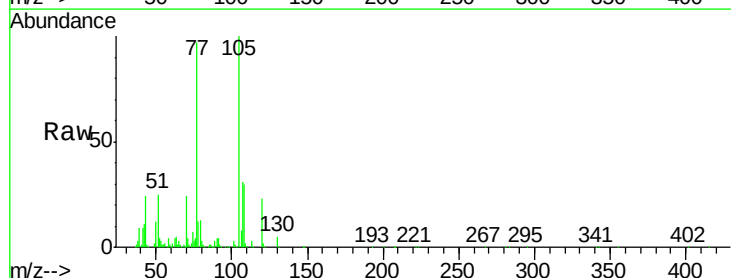
Manual Integrations
APPROVED

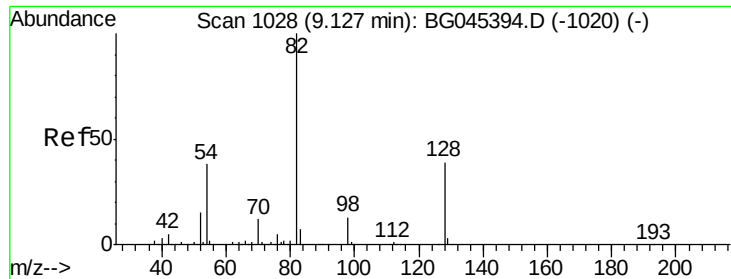
mohammad
6/1/2020 12:22:40 PM



#22
Acetophenone
Concen: 45.88 ng
RT: 8.78 min Scan# 968
Delta R.T. -0.00 min
Lab File: BG045521.D
Acq: 29 May 2020 13:18

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	293207		
71	3.8	3.4	5.0	
51	25.3	18.2	27.2	
120	22.8	18.6	27.8	





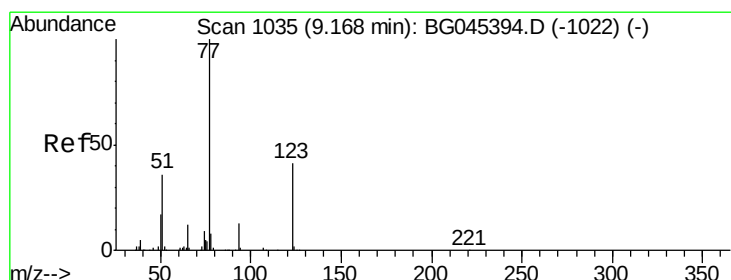
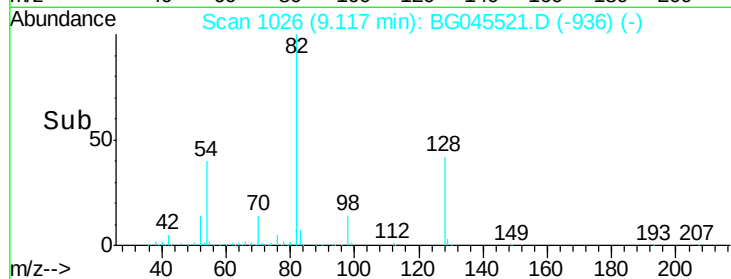
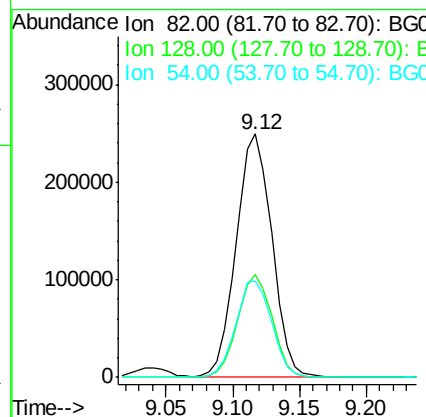
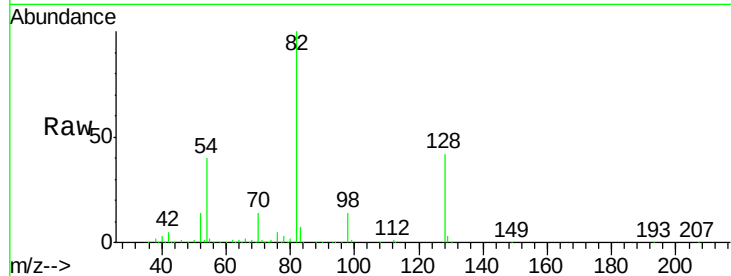
#23
 Nitrobenzene-d5
 Concen: 93.39 ng
 RT: 9.12 min Scan# 1026
 Delta R.T. 0.00 min
 Lab File: BG045521.D
 Acq: 29 May 2020 13:18

Instrument :
 BNA_G
 ClientSampleId :
 PB129160BSD

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	461712		
128	42.5	30.9	46.3	
54	39.8	30.3	45.5	

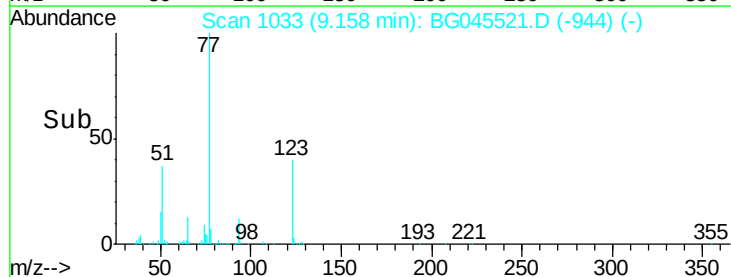
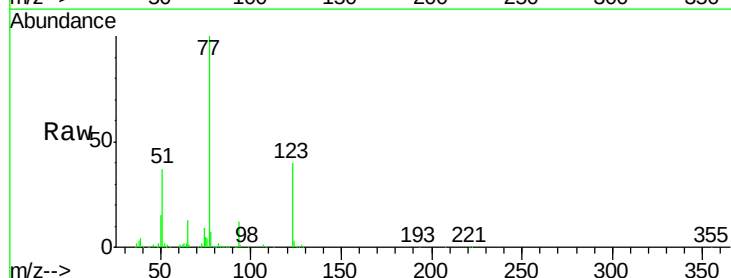
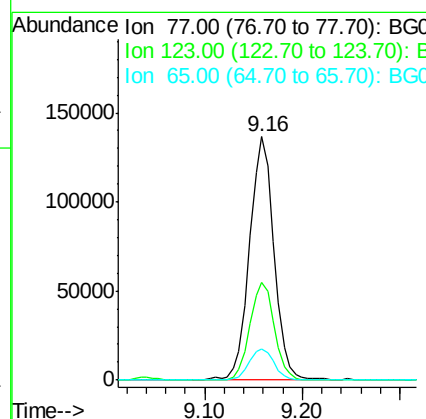
Manual Integrations
 APPROVED

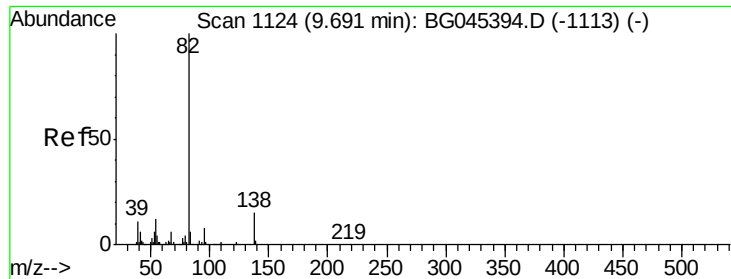
mohammad
 6/1/2020 12:22:40 PM



#24
 Nitrobenzene
 Concen: 45.03 ng
 RT: 9.16 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: BG045521.D
 Acq: 29 May 2020 13:18

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	238544		
123	40.4	32.9	49.3	
65	12.6	9.4	14.2	





#25

Isophorone

Concen: 45.73 ng

RT: 9.68 min Scan# 1122

Delta R.T. -0.00 min

Lab File: BG045521.D

Acq: 29 May 2020 13:18

Instrument :

BNA_G

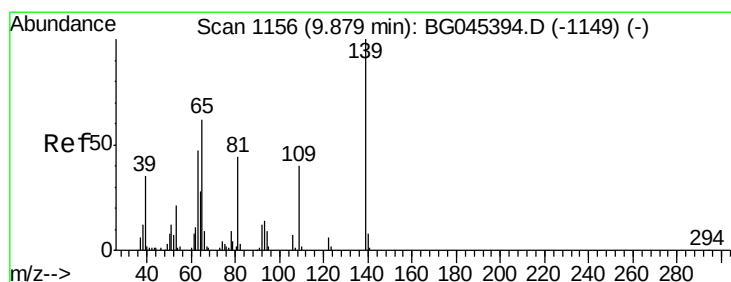
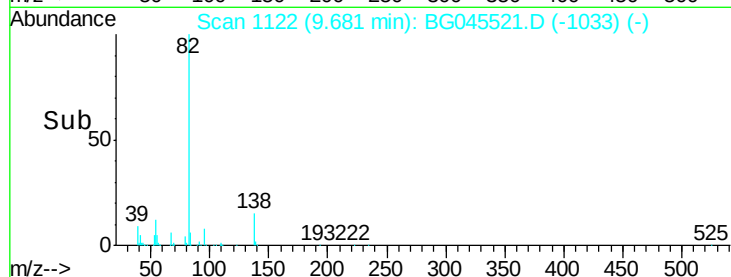
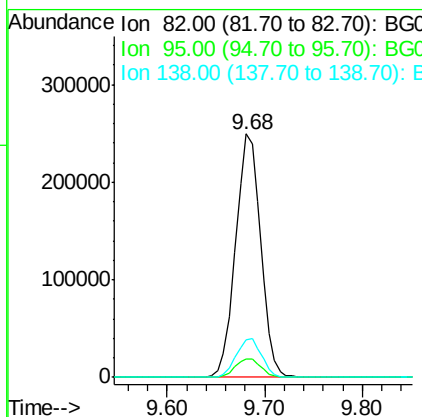
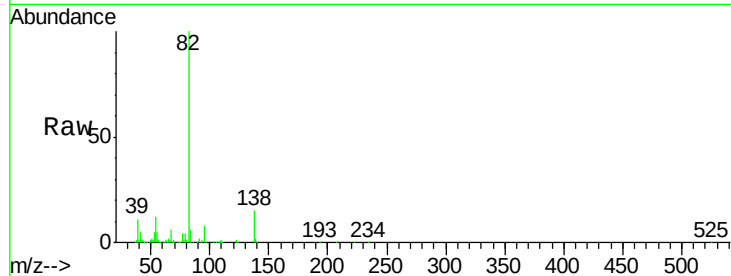
ClientSampleId :

PB129160BSD

Tgt Ion:	82	Resp:	445229
Ion Ratio	Lower	Upper	
82	100		
95	7.7	6.7	10.1
138	15.2	12.2	18.4

Manual Integrations
APPROVED

mohammad
6/1/2020 12:22:40 PM



#26

2-Nitrophenol

Concen: 49.60 ng

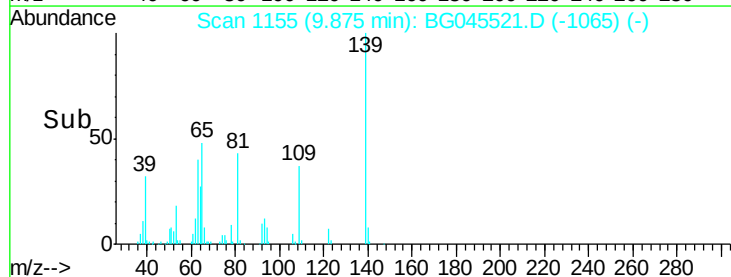
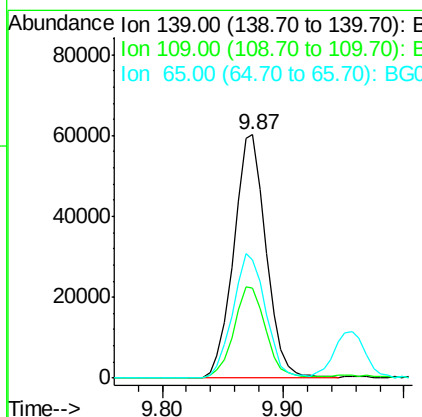
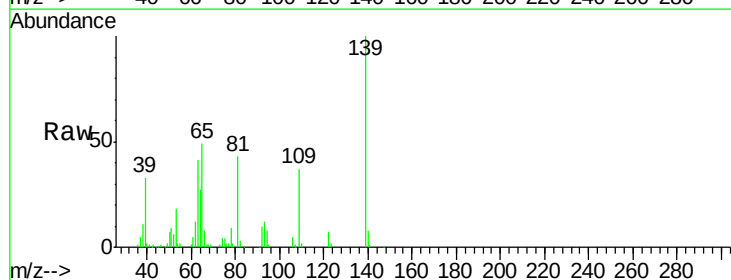
RT: 9.87 min Scan# 1155

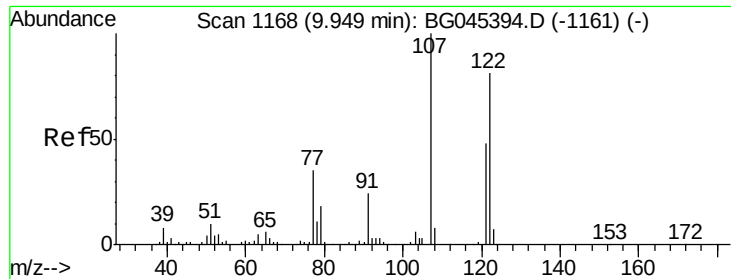
Delta R.T. 0.00 min

Lab File: BG045521.D

Acq: 29 May 2020 13:18

Tgt Ion:	139	Resp:	112405
Ion Ratio	Lower	Upper	
139	100		
109	37.0	32.2	48.4
65	48.8	49.6	74.4#





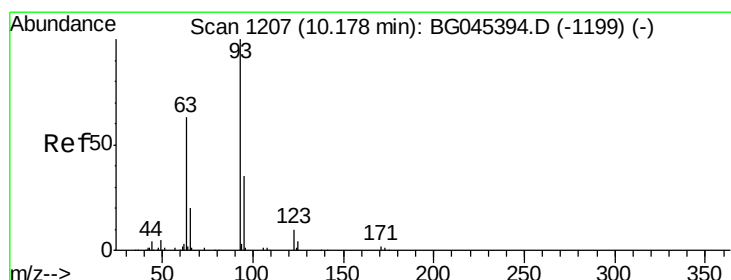
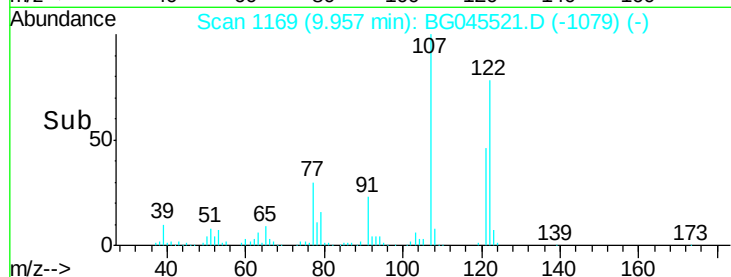
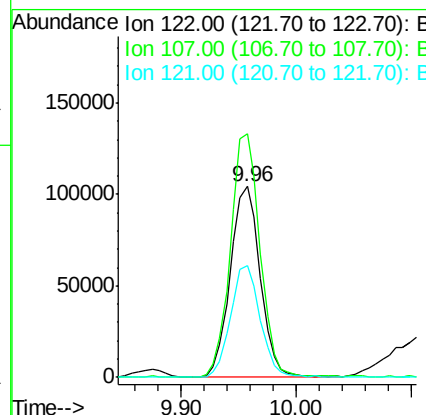
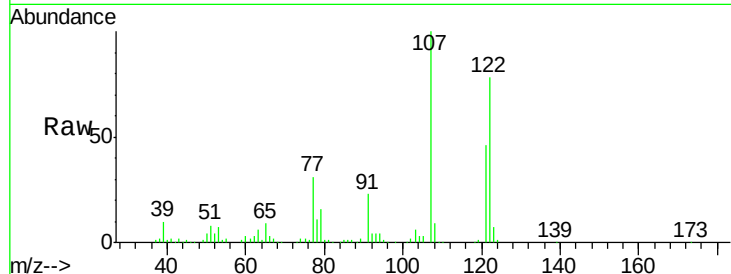
#27
 2,4-Dimethylphenol
 Concen: 55.89 ng
 RT: 9.96 min Scan# 1169
 Delta R.T. 0.00 min
 Lab File: BG045521.D
 Acq: 29 May 2020 13:18

Instrument :
 BNA_G
 ClientSampleId :
 PB129160BSD

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	187822		
107	127.7	99.0	148.4	
121	58.3	47.7	71.5	

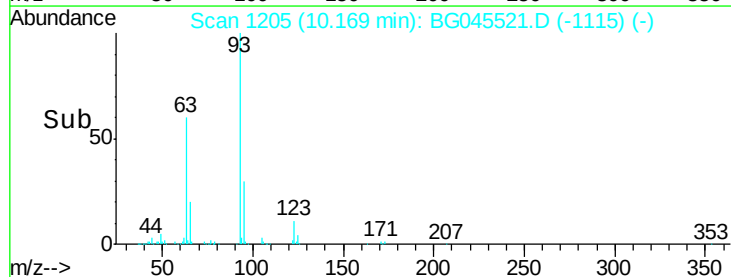
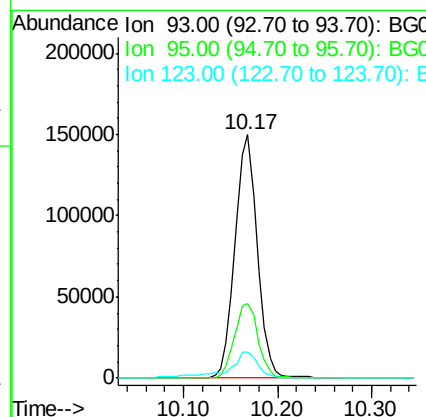
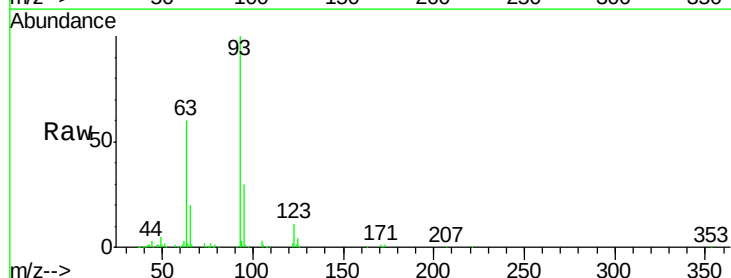
Manual Integrations
 APPROVED

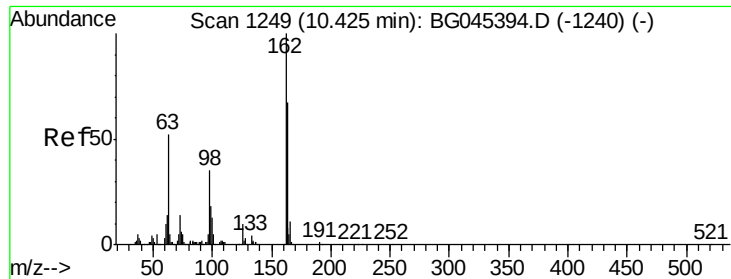
mohammad
 6/1/2020 12:22:40 PM



#28
 bis(2-Chloroethoxy)methane
 Concen: 48.58 ng
 RT: 10.17 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: BG045521.D
 Acq: 29 May 2020 13:18

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	248055		
95	30.4	27.6	41.4	
123	10.6	8.1	12.1	





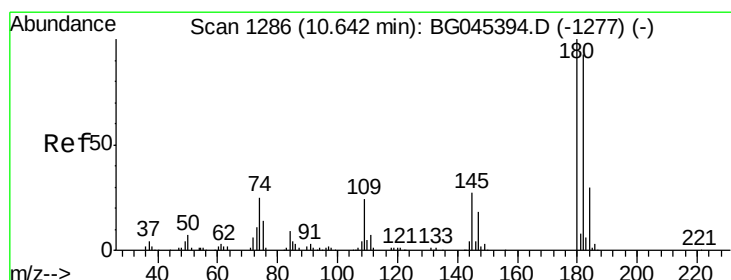
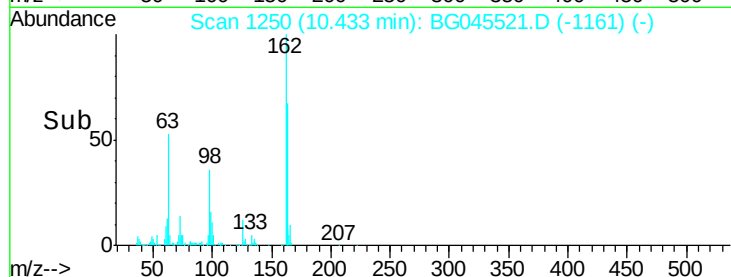
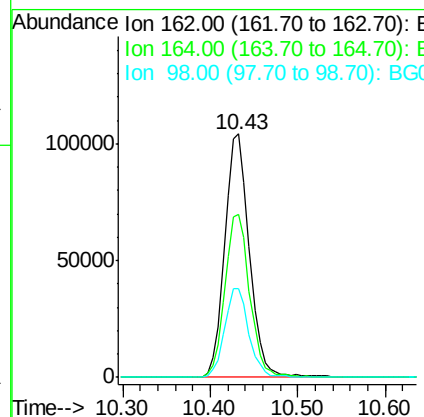
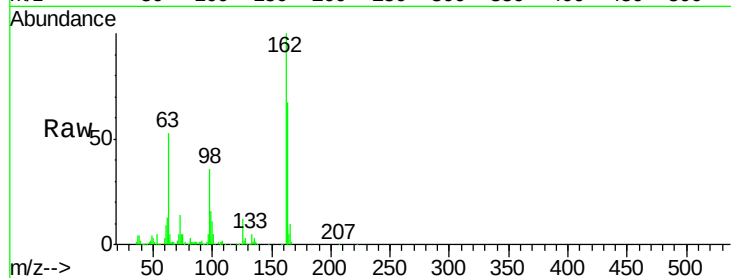
#29
 2,4-Dichlorophenol
 Concen: 50.54 ng
 RT: 10.43 min Scan# 1250
 Delta R.T. -0.00 min
 Lab File: BG045521.D
 Acq: 29 May 2020 13:18

Instrument :
 BNA_G
 ClientSampleID :
 PB129160BSD

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	200592		
164	67.1	46.8	86.8	
98	36.3	15.2	55.2	

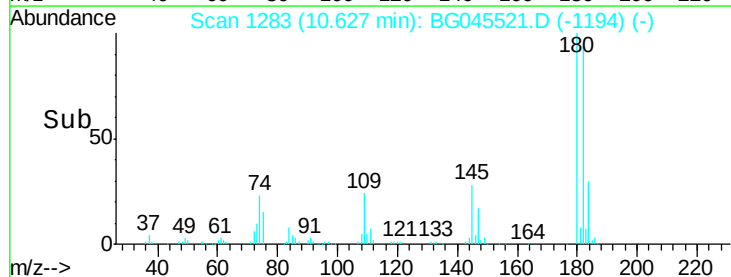
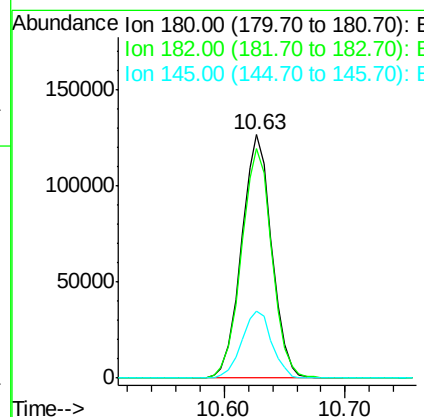
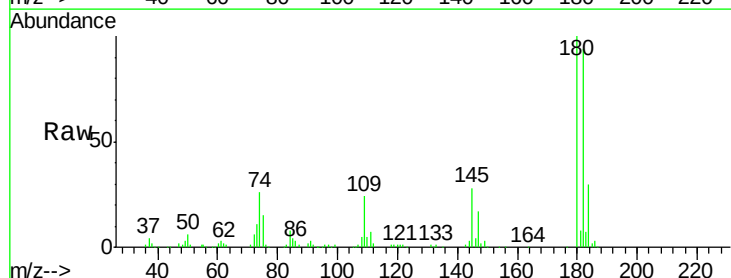
Manual Integrations
 APPROVED

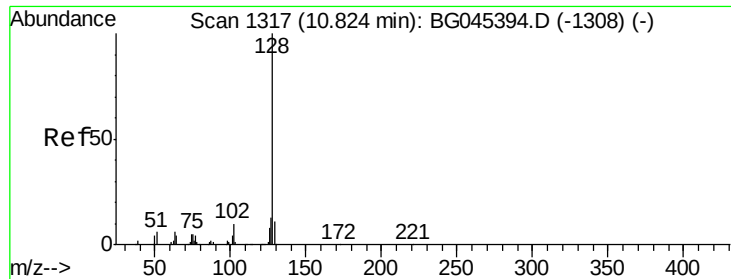
mohammad
 6/1/2020 12:22:40 PM



#30
 1,2,4-Trichlorobenzene
 Concen: 46.98 ng
 RT: 10.63 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: BG045521.D
 Acq: 29 May 2020 13:18

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	220297		
182	94.0	74.8	112.2	
145	27.7	21.9	32.9	





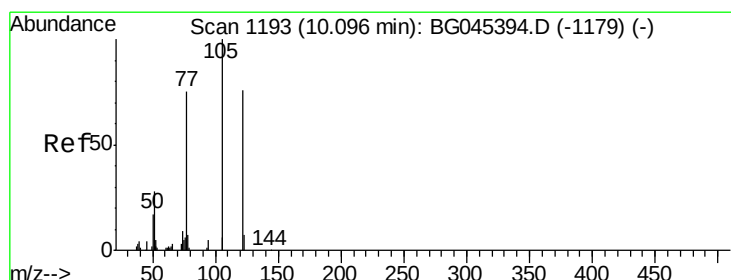
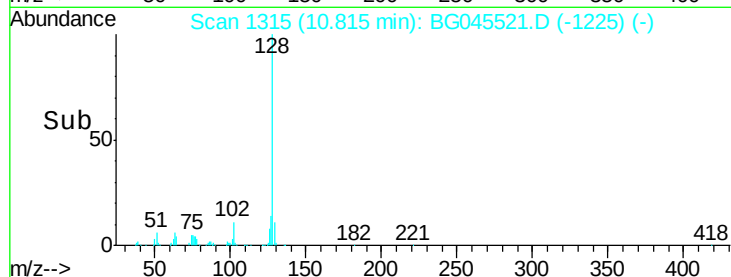
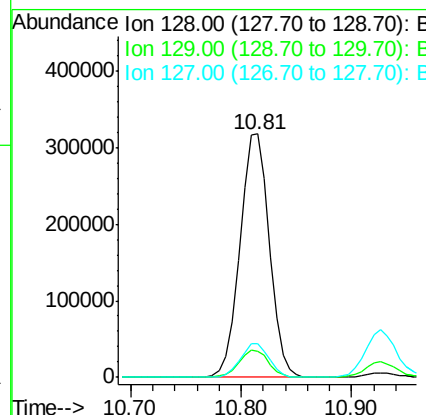
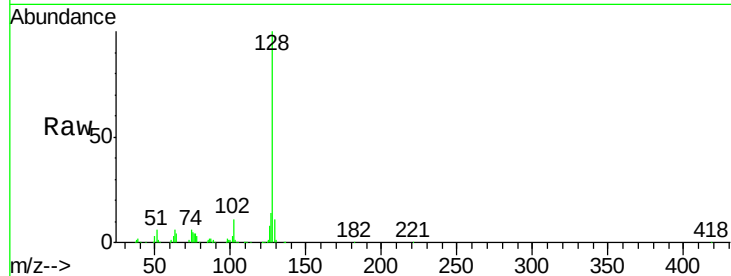
#31
Naphthalene
Concen: 47.31 ng
RT: 10.81 min Scan# 1315
Delta R.T. 0.00 min
Lab File: BG045521.D
Acq: 29 May 2020 13:18

Instrument :
BNA_G
ClientSampleId :
PB129160BSD

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	594358		
129	10.9	9.0	13.6	
127	13.8	10.7	16.1	

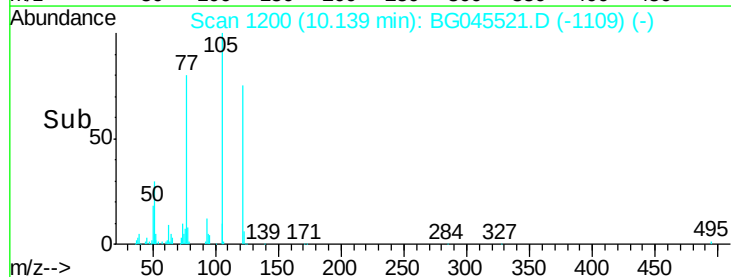
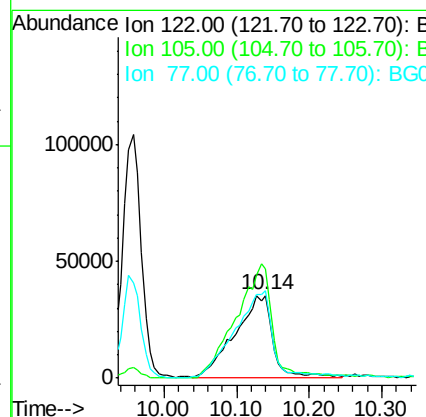
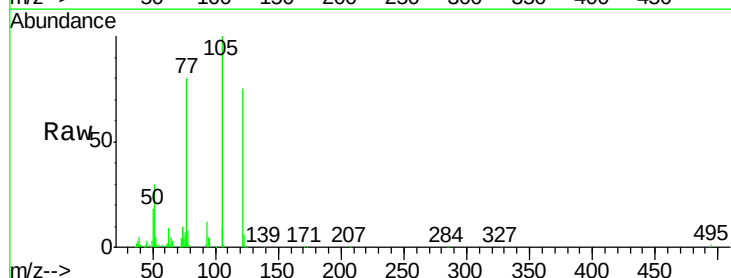
Manual Integrations
APPROVED

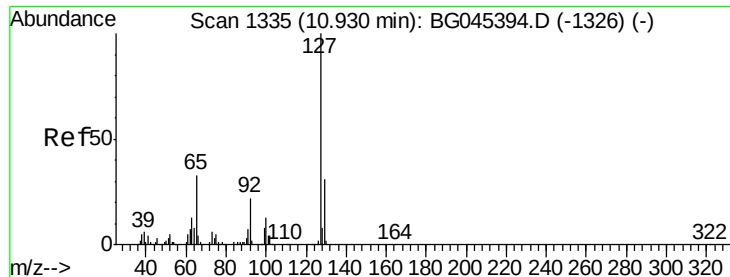
mohammad
6/1/2020 12:22:40 PM



#32
Benzoic acid
Concen: 53.86 ng
RT: 10.14 min Scan# 1200
Delta R.T. 0.01 min
Lab File: BG045521.D
Acq: 29 May 2020 13:18

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	126648		
105	132.7	107.9	147.9	
77	106.3	78.9	118.9	





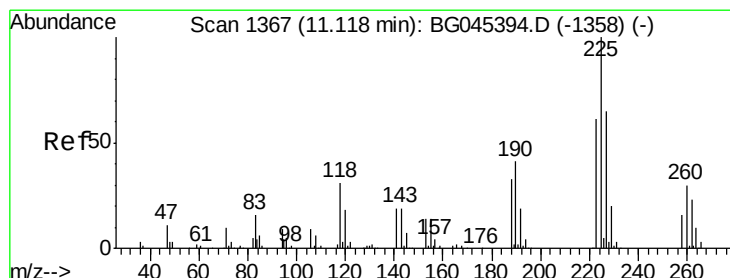
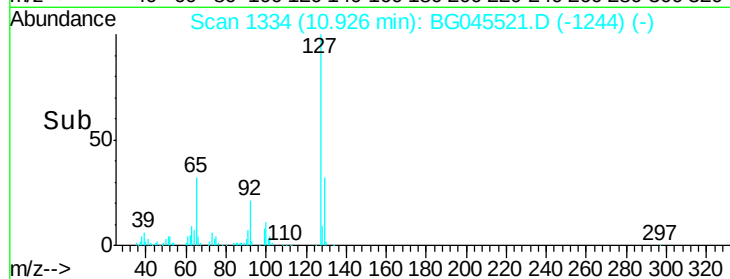
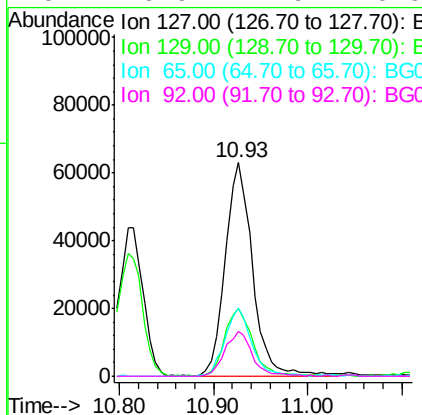
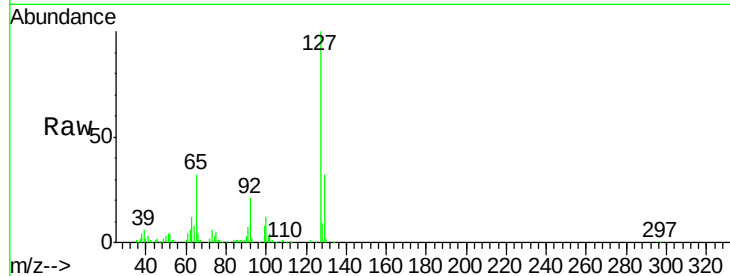
#33
4-Chloroaniline
Concen: 24.37 ng
RT: 10.93 min Scan# 1334
Delta R.T. 0.00 min
Lab File: BG045521.D
Acq: 29 May 2020 13:18

Instrument :
BNA_G
ClientSampleId :
PB129160BSD

Tgt Ion	Ratio	Resp	Lower	Upper
127	100	127985		
129	31.8	24.7	37.1	
65	31.9	26.2	39.2	
92	20.9	17.9	26.9	

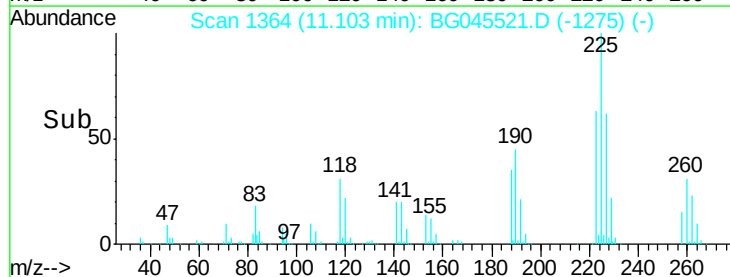
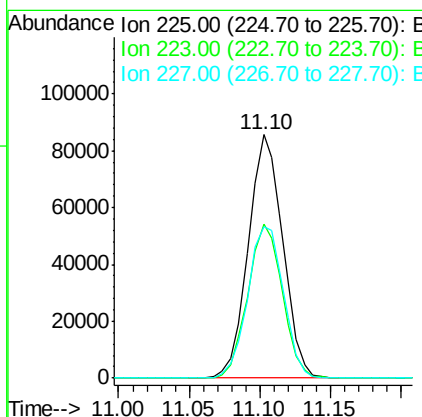
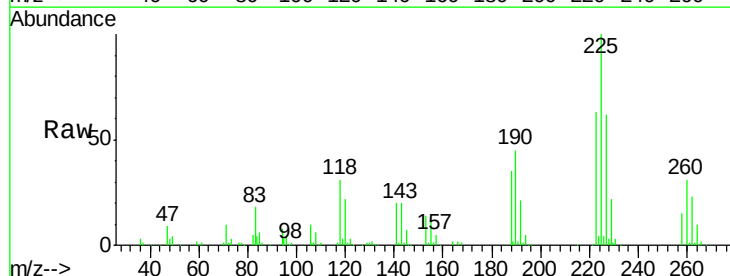
Manual Integrations
APPROVED

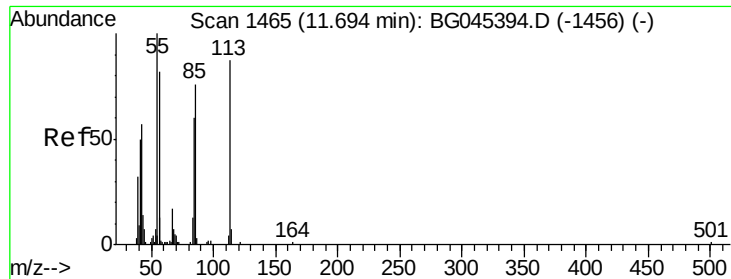
mohammad
6/1/2020 12:22:40 PM



#34
Hexachlorobutadiene
Concen: 44.26 ng
RT: 11.10 min Scan# 1364
Delta R.T. -0.00 min
Lab File: BG045521.D
Acq: 29 May 2020 13:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	146718		
223	63.1	49.1	73.7	
227	62.4	52.0	78.0	





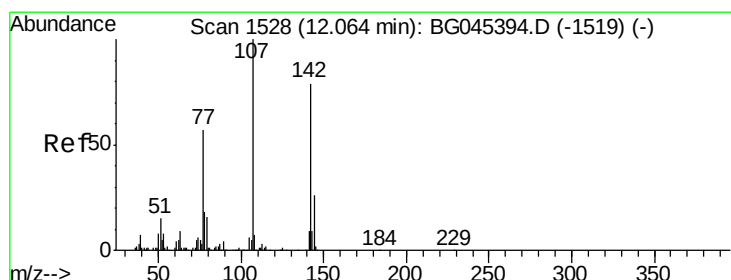
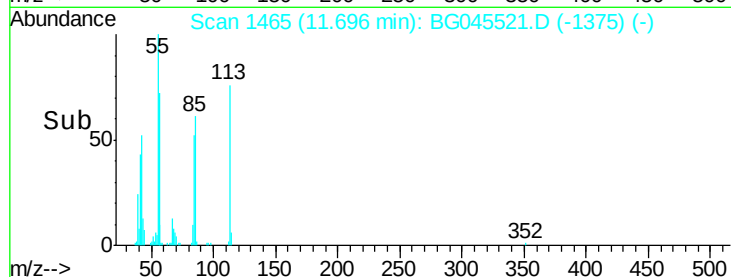
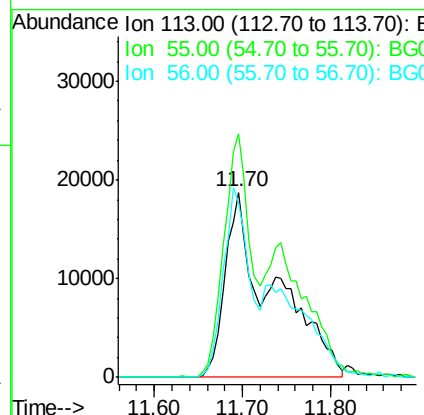
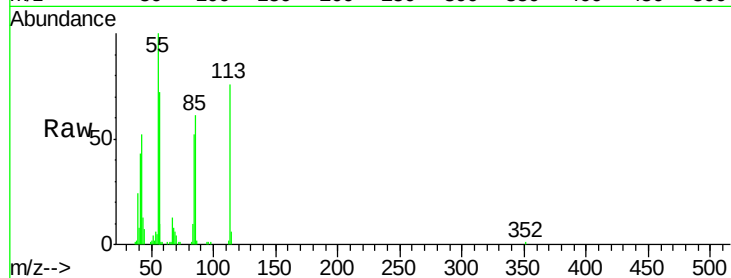
#35
 Caprolactam
 Concen: 48.91 ng m
 RT: 11.70 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: BG045521.D
 Acq: 29 May 2020 13:18

Instrument :
 BNA_G
 ClientSampleId :
 PB129160BSD

Tgt Ion	Ratio	Lower	Upper
113	100		
55	131.3	96.0	136.0
56	94.2	75.1	115.1

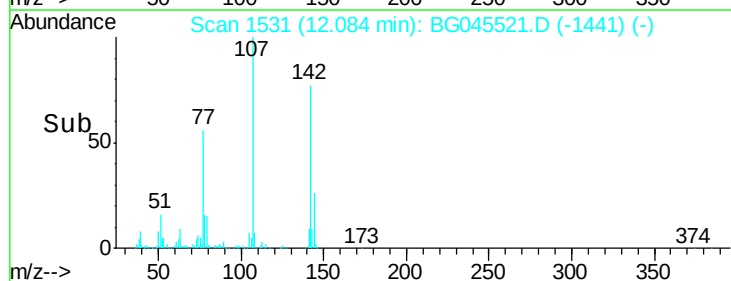
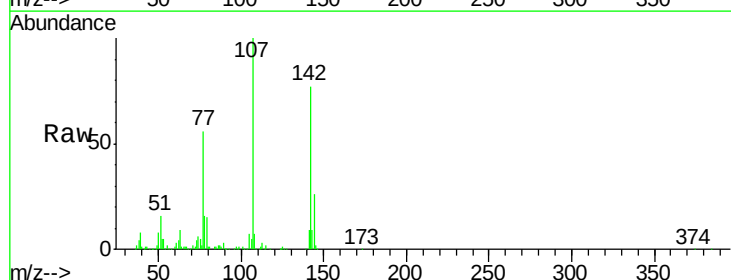
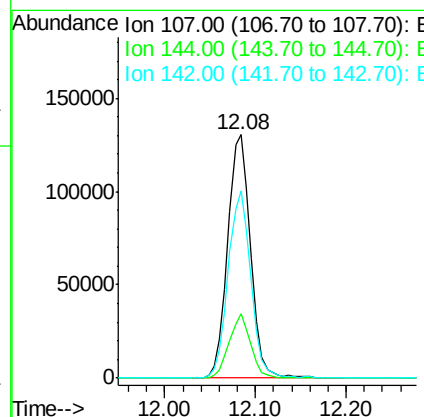
Manual Integrations
 APPROVED

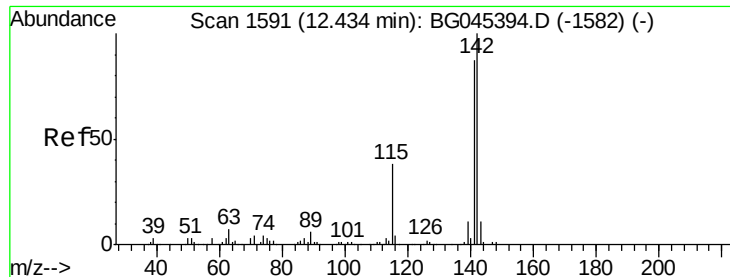
mohammad
 6/1/2020 12:22:40 PM



#36
 4-Chloro-3-methylphenol
 Concen: 50.95 ng
 RT: 12.08 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: BG045521.D
 Acq: 29 May 2020 13:18

Tgt Ion	Ratio	Lower	Upper
107	100		
144	26.3	20.8	31.2
142	77.1	62.8	94.2





#37

2-Methylnaphthalene

Concen: 48.38 ng

RT: 12.42 min Scan# 1589

Delta R.T. 0.00 min

Lab File: BG045521.D

Acq: 29 May 2020 13:18

Instrument :

BNA_G

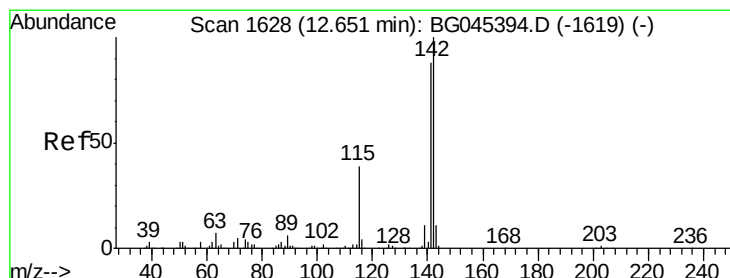
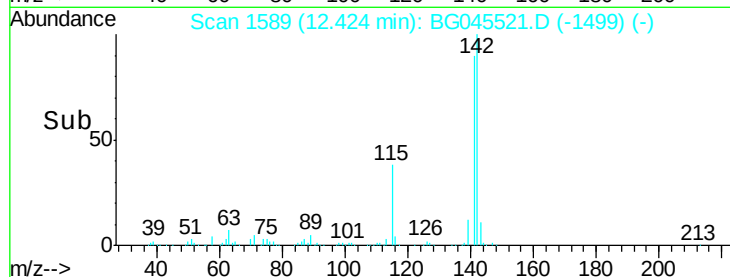
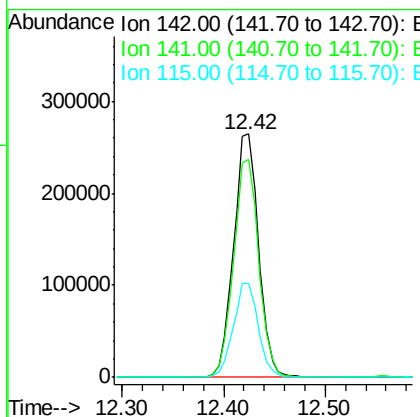
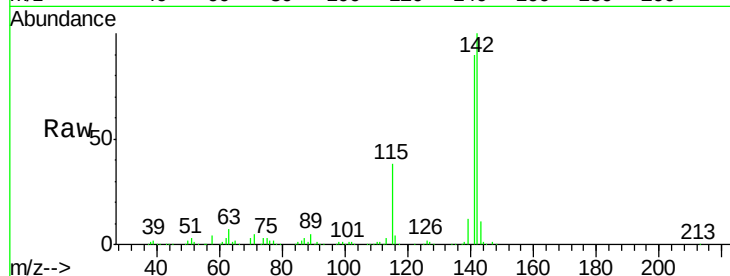
ClientSampleId :

PB129160BSD

Tgt Ion:	142	Resp:	453015
Ion Ratio	Lower	Upper	
142	100		
141	89.7	70.0	105.0
115	38.5	30.8	46.2

Manual Integrations
APPROVED

mohammad
6/1/2020 12:22:40 PM



#38

1-Methylnaphthalene

Concen: 48.59 ng

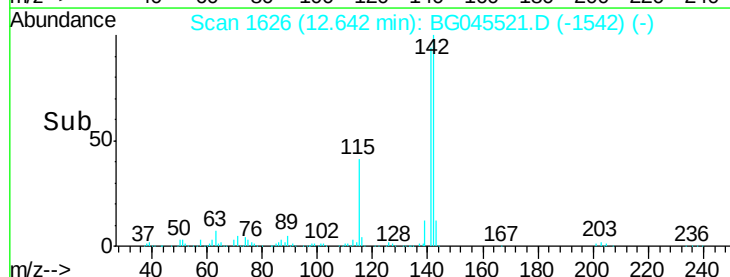
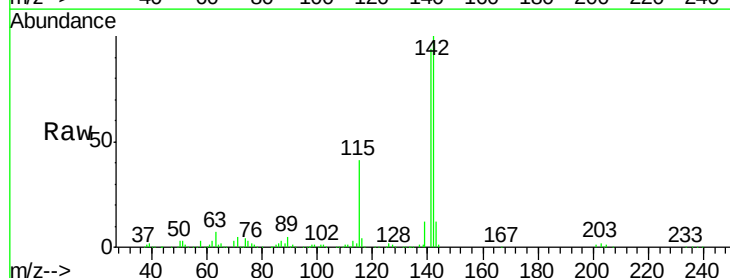
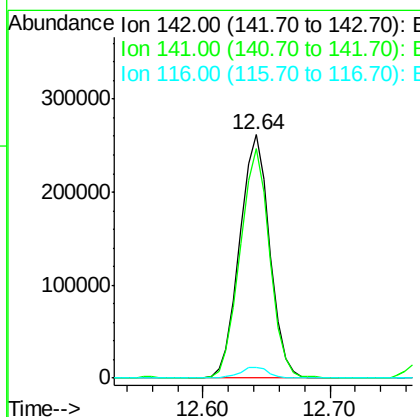
RT: 12.64 min Scan# 1626

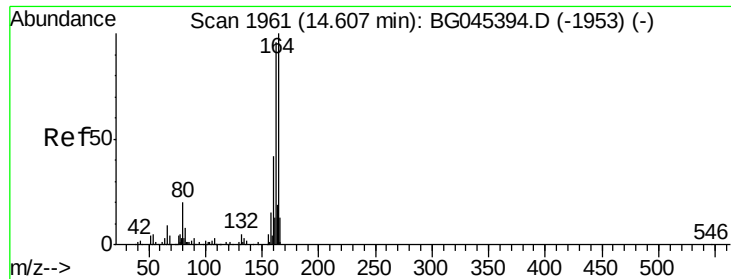
Delta R.T. -0.00 min

Lab File: BG045521.D

Acq: 29 May 2020 13:18

Tgt Ion:	142	Resp:	429825
Ion Ratio	Lower	Upper	
142	100		
141	94.0	70.8	106.2
116	4.4	3.0	4.6





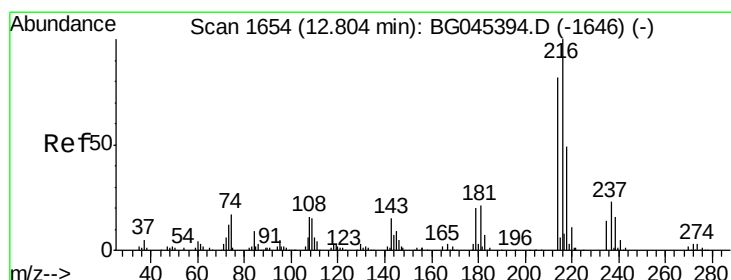
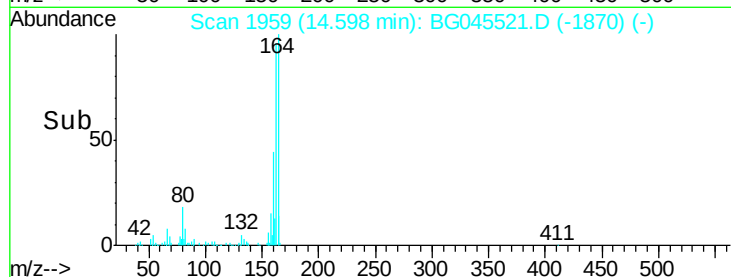
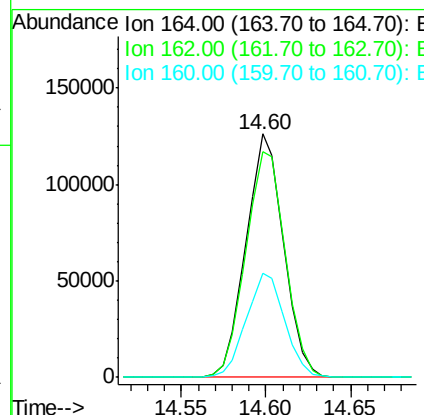
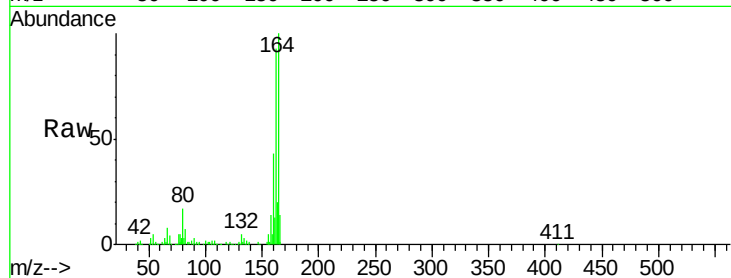
#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.60 min Scan# 1959
Delta R.T. -0.00 min
Lab File: BG045521.D
Acq: 29 May 2020 13:18

Instrument :
BNA_G
ClientSampleId :
PB129160BSD

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	195171		
162	92.7	76.9	115.3	
160	42.6	33.8	50.8	

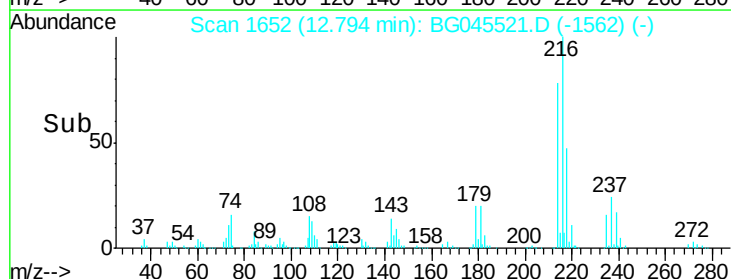
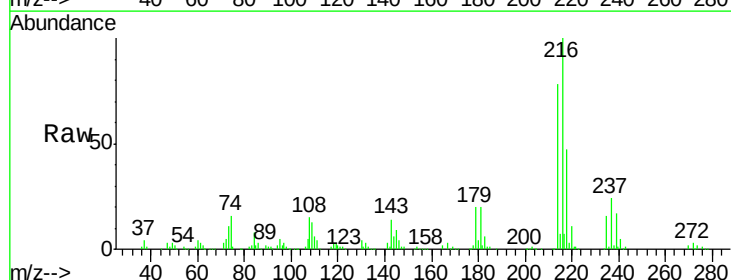
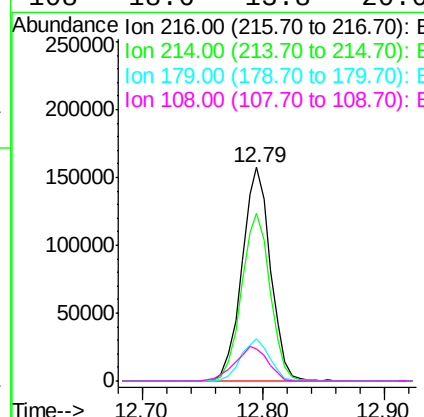
Manual Integrations
APPROVED

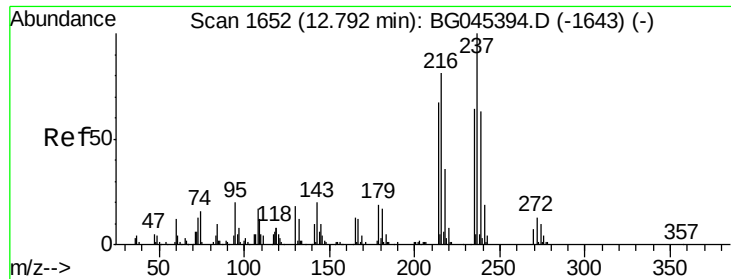
mohammad
6/1/2020 12:22:40 PM



#40
1,2,4,5-Tetrachlorobenzene
Concen: 47.34 ng
RT: 12.79 min Scan# 1652
Delta R.T. 0.00 min
Lab File: BG045521.D
Acq: 29 May 2020 13:18

Tgt Ion	Ratio	Resp	Lower	Upper
216	100	258061		
214	78.3	63.7	95.5	
179	19.8	16.1	24.1	
108	18.6	13.8	20.6	





#41

Hexachlorocyclopentadiene

Concen: 96.56 ng

RT: 12.78 min Scan# 1649

Delta R.T. -0.00 min

Lab File: BG045521.D

Acq: 29 May 2020 13:18

Instrument :

BNA_G

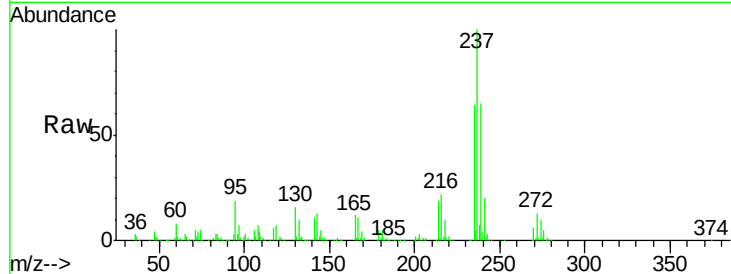
ClientSampleId :

PB129160BSD

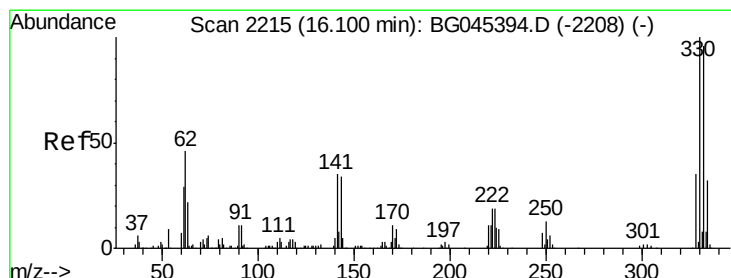
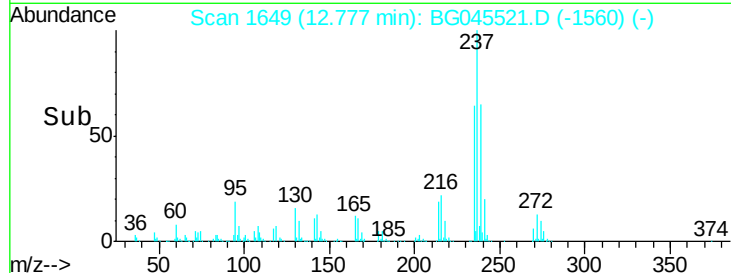
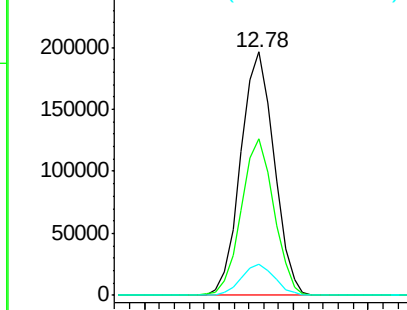
Tgt Ion:	237	Resp:	303822
Ion Ratio		Lower	Upper
237	100		
235	64.1	44.4	84.4
272	13.0	0.0	32.5

Manual Integrations
APPROVED

mohammad
6/1/2020 12:22:40 PM



Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 141.24 ng

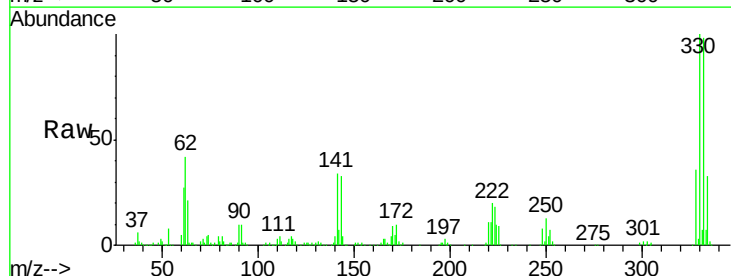
RT: 16.10 min Scan# 2214

Delta R.T. 0.00 min

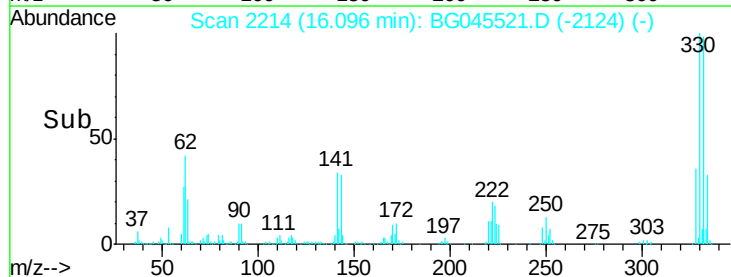
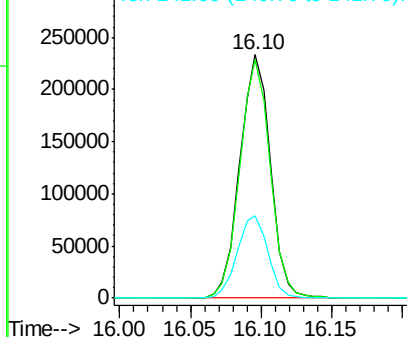
Lab File: BG045521.D

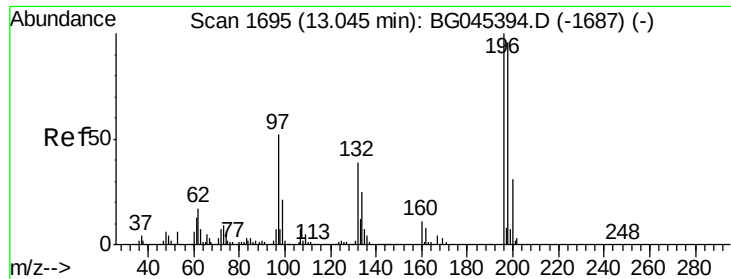
Acq: 29 May 2020 13:18

Tgt Ion:	330	Resp:	352535
Ion Ratio		Lower	Upper
330	100		
332	97.6	78.2	117.4
141	34.4	28.2	42.4



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





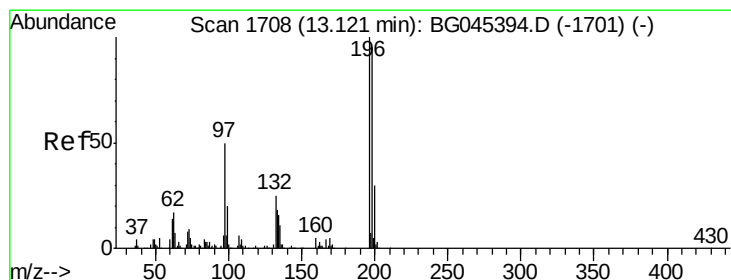
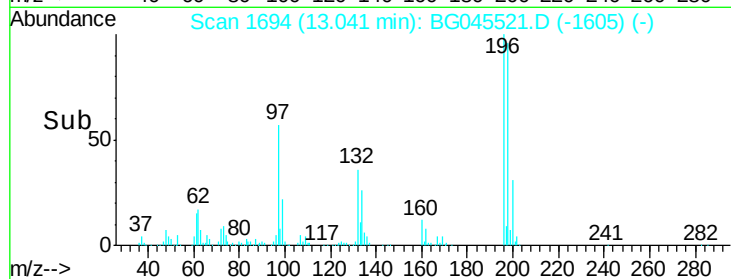
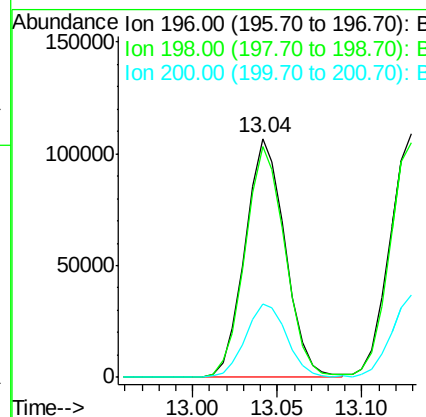
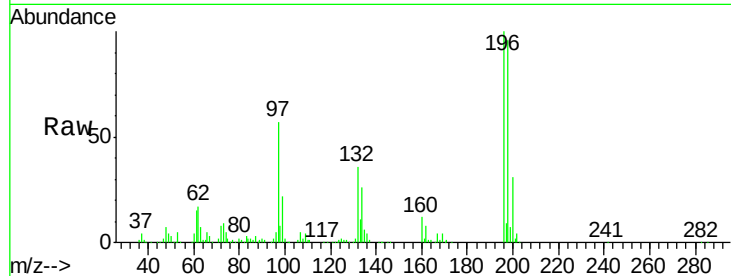
#43
2,4,6-Trichlorophenol
Concen: 46.45 ng
RT: 13.04 min Scan# 1694
Delta R.T. -0.00 min
Lab File: BG045521.D
Acq: 29 May 2020 13:18

Instrument :
BNA_G
ClientSampleId :
PB129160BSD

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	175909		
198	96.4	76.7	115.1	
200	30.5	24.9	37.3	

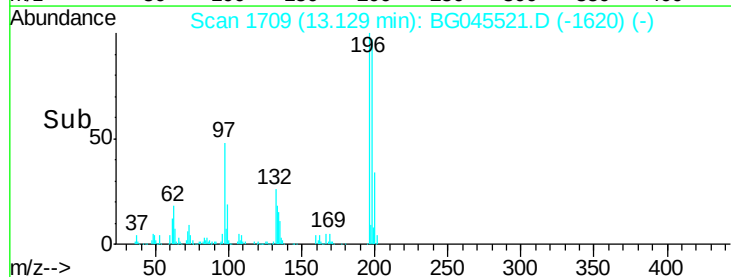
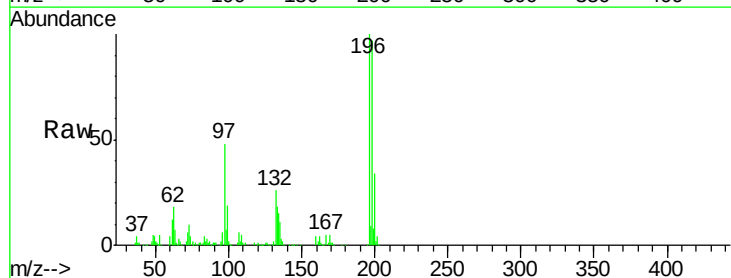
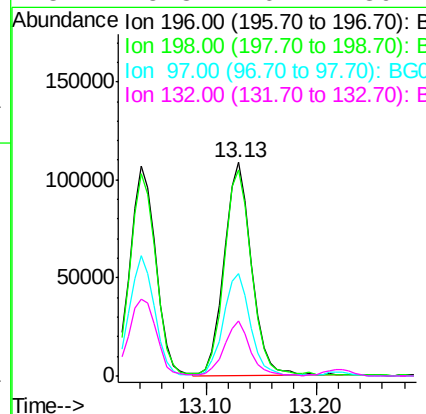
Manual Integrations
APPROVED

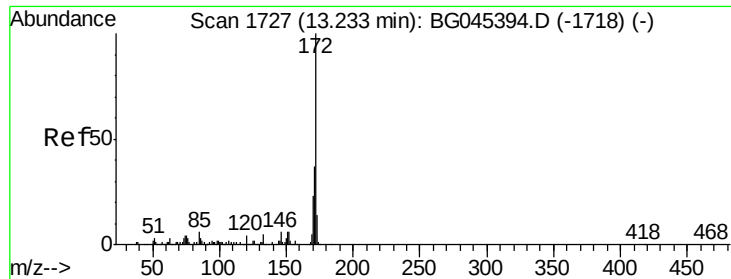
mohammad
6/1/2020 12:22:40 PM



#44
2,4,5-Trichlorophenol
Concen: 43.18 ng
RT: 13.13 min Scan# 1709
Delta R.T. -0.00 min
Lab File: BG045521.D
Acq: 29 May 2020 13:18

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	186851		
198	96.6	76.1	114.1	
97	47.8	40.0	60.0	
132	25.8	20.2	30.2	





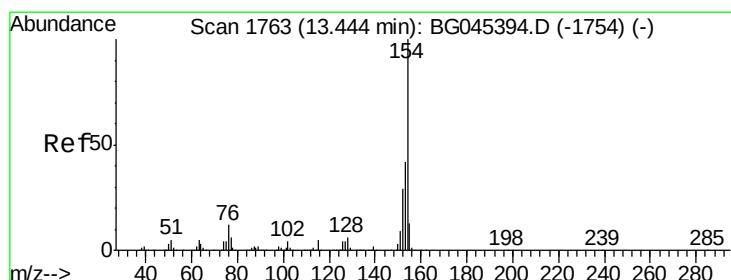
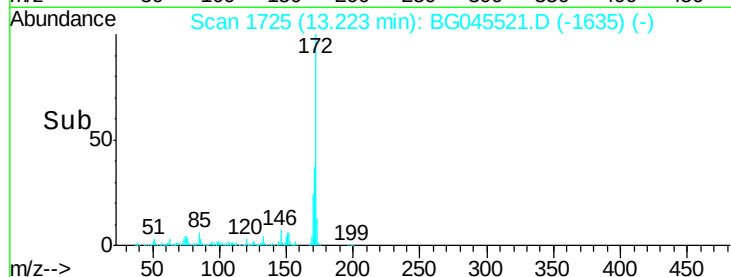
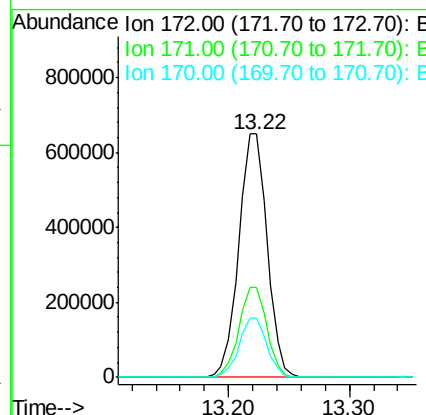
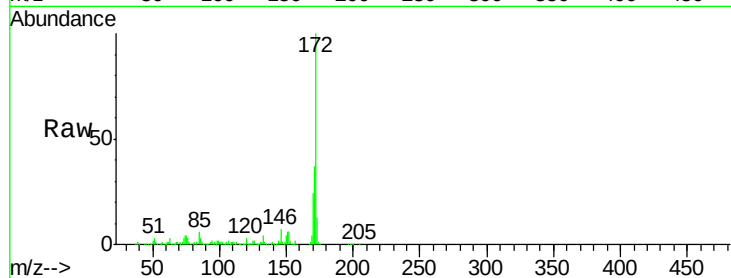
#45
2-Fluorobiphenyl
Concen: 92.56 ng
RT: 13.22 min Scan# 1725
Delta R.T. 0.00 min
Lab File: BG045521.D
Acq: 29 May 2020 13:18

Instrument :
BNA_G
ClientSampleId :
PB129160BSD

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.5	44.3
170	24.5	18.5	27.7

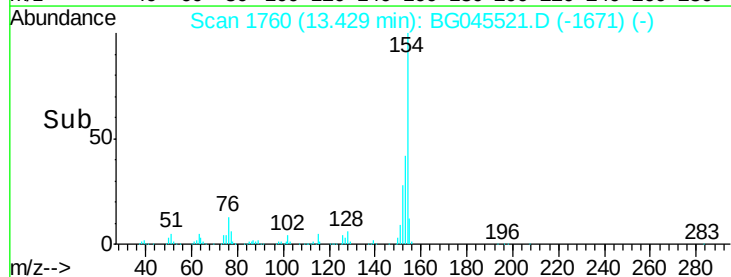
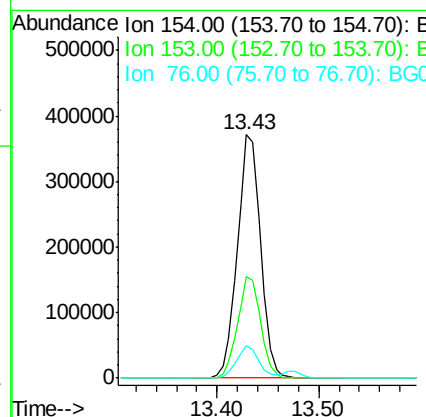
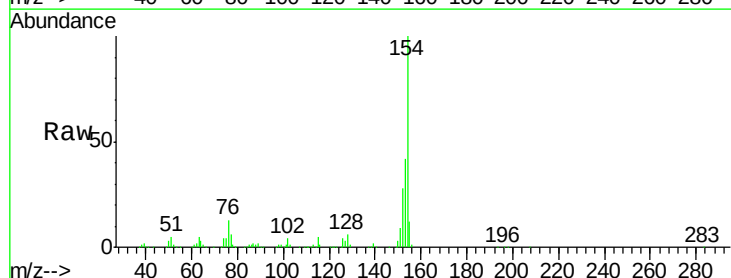
Manual Integrations
APPROVED

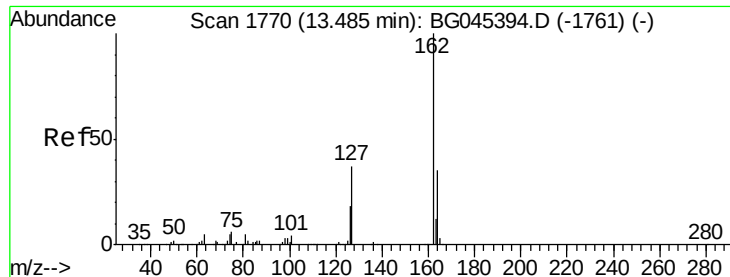
mohammad
6/1/2020 12:22:40 PM



#46
1,1'-Biphenyl
Concen: 49.08 ng
RT: 13.43 min Scan# 1760
Delta R.T. -0.00 min
Lab File: BG045521.D
Acq: 29 May 2020 13:18

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.5	22.2	62.2
76	13.2	0.0	32.4





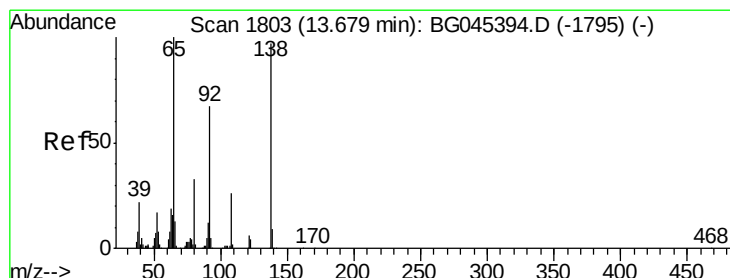
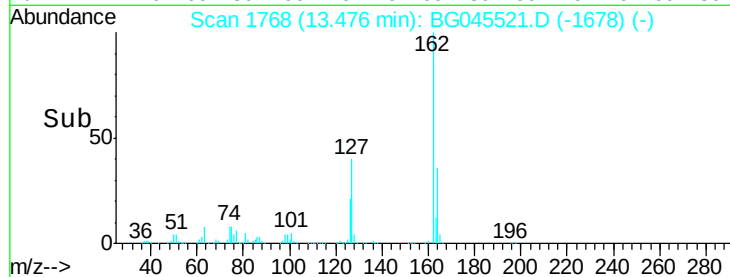
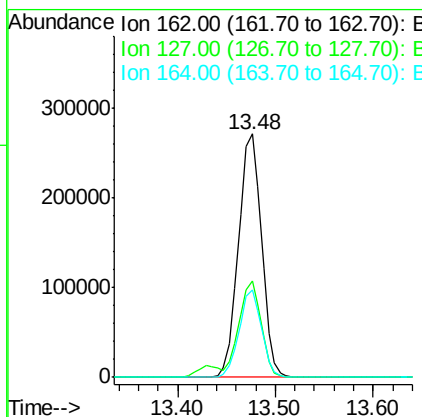
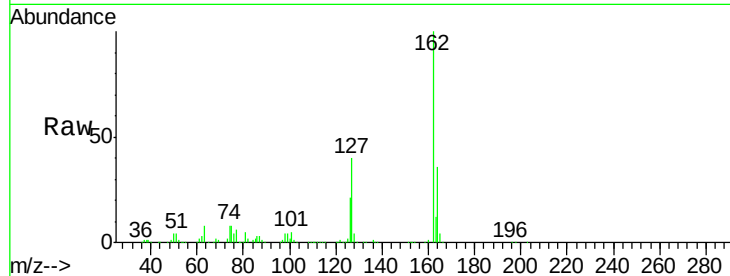
#47
2-Chloronaphthalene
Concen: 45.98 ng
RT: 13.48 min Scan# 1768
Delta R.T. 0.00 min
Lab File: BG045521.D
Acq: 29 May 2020 13:18

Instrument :
BNA_G
ClientSampleId :
PB129160BSD

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	447739		
127	39.6	31.6	47.4	
164	35.9	28.1	42.1	

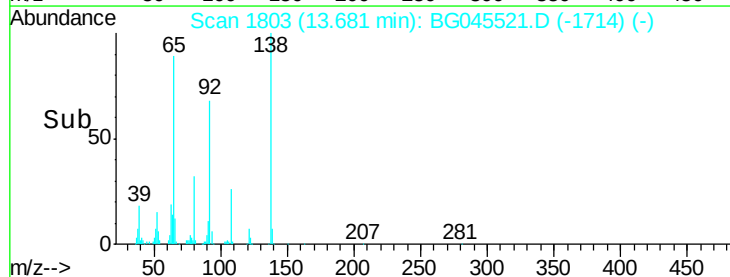
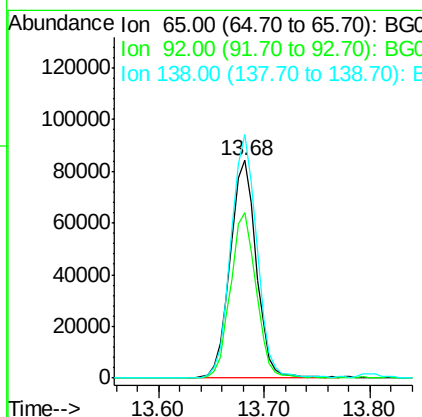
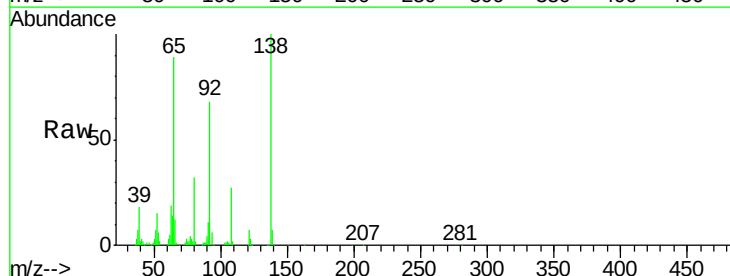
Manual Integrations
APPROVED

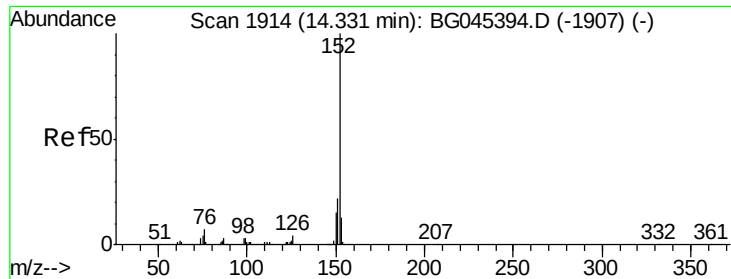
mohammad
6/1/2020 12:22:40 PM



#48
2-Nitroaniline
Concen: 44.99 ng
RT: 13.68 min Scan# 1803
Delta R.T. -0.00 min
Lab File: BG045521.D
Acq: 29 May 2020 13:18

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	144106		
92	76.2	53.8	80.8	
138	111.7	77.9	116.9	





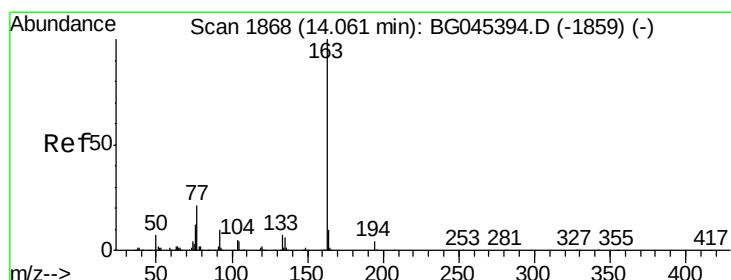
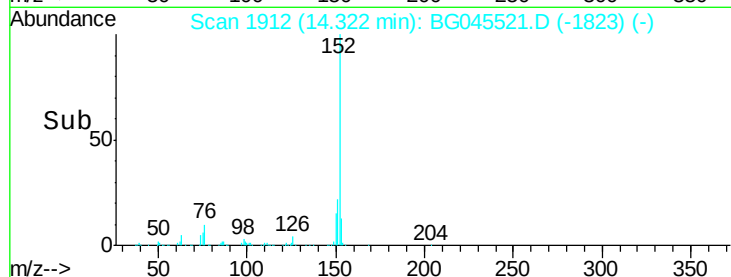
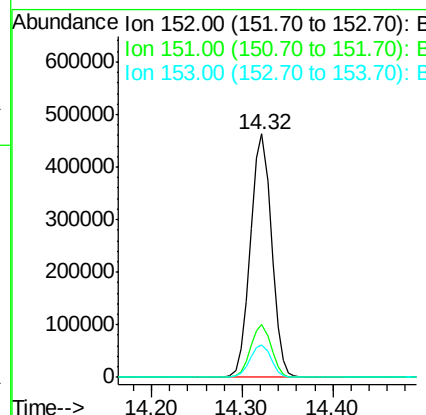
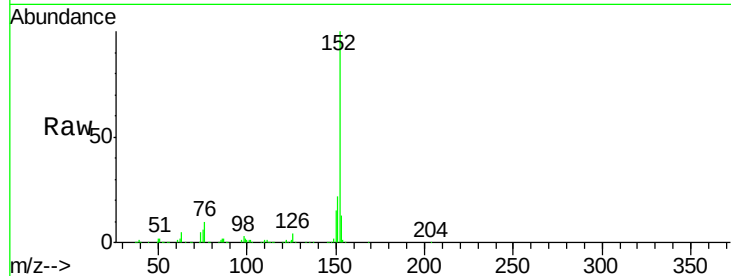
#49
Acenaphthylene
Concen: 47.75 ng
RT: 14.32 min Scan# 1912
Delta R.T. -0.00 min
Lab File: BG045521.D
Acq: 29 May 2020 13:18

Instrument :
BNA_G
ClientSampleId :
PB129160BSD

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	746957		
151	21.7		17.4	26.2
153	13.4		10.7	16.1

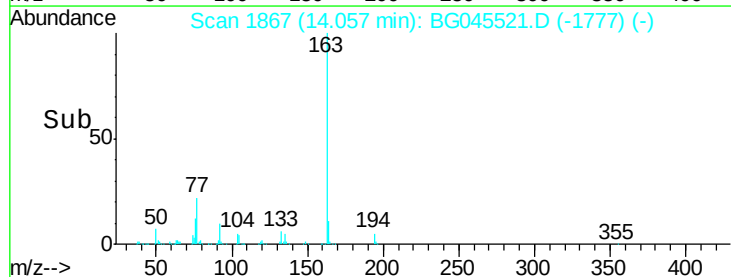
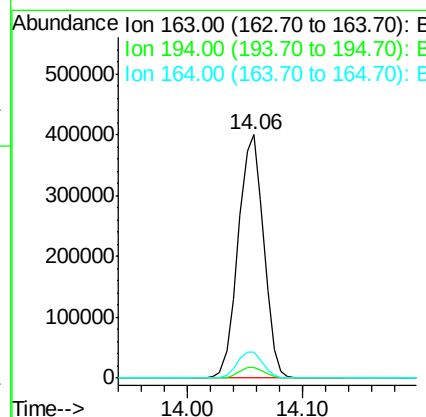
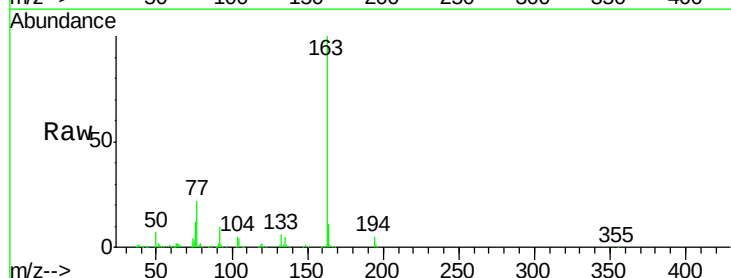
Manual Integrations
APPROVED

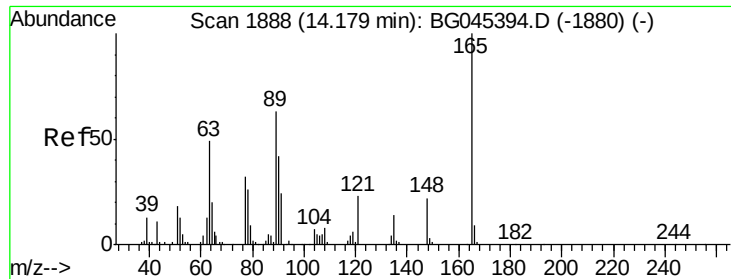
mohammad
6/1/2020 12:22:40 PM



#50
Dimethylphthalate
Concen: 45.63 ng
RT: 14.06 min Scan# 1867
Delta R.T. 0.00 min
Lab File: BG045521.D
Acq: 29 May 2020 13:18

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	610926		
194	4.5		3.2	4.8
164	10.8		8.3	12.5





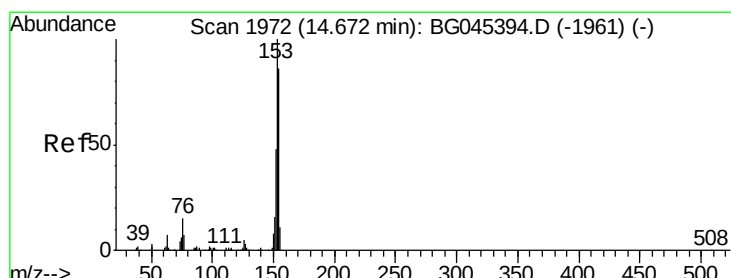
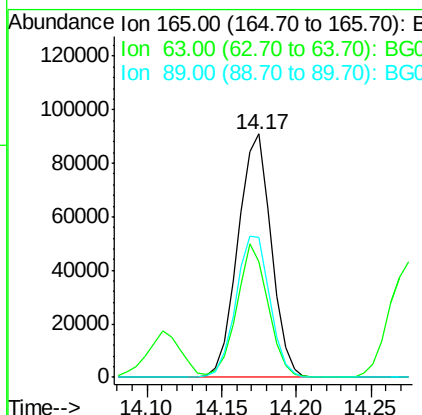
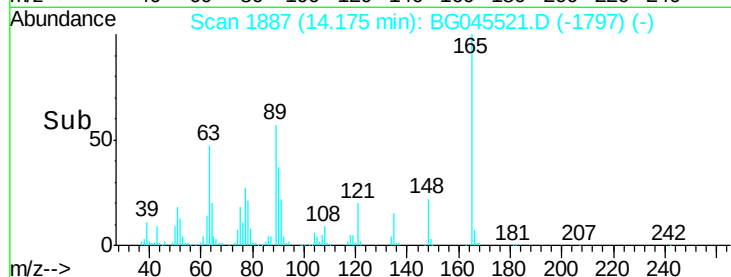
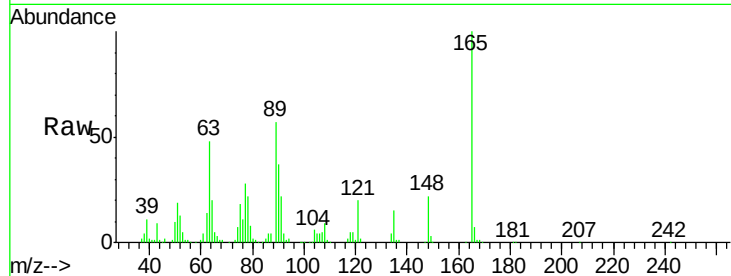
#51
 2,6-Dinitrotoluene
 Concen: 46.69 ng
 RT: 14.17 min Scan# 1887
 Delta R.T. 0.00 min
 Lab File: BG045521.D
 Acq: 29 May 2020 13:18

Instrument :
 BNA_G
 ClientSampleId :
 PB129160BSD

Tgt Ion	Ratio	Resp Lower	Upper
165	100		
63	47.6	45.0	67.4
89	57.3	50.2	75.4

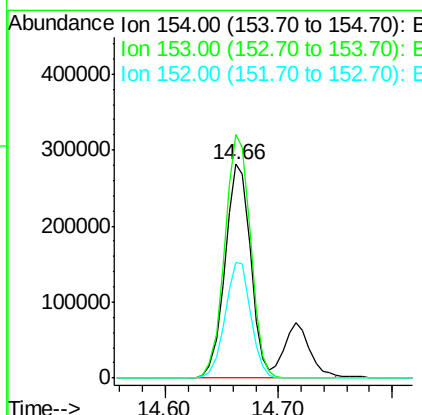
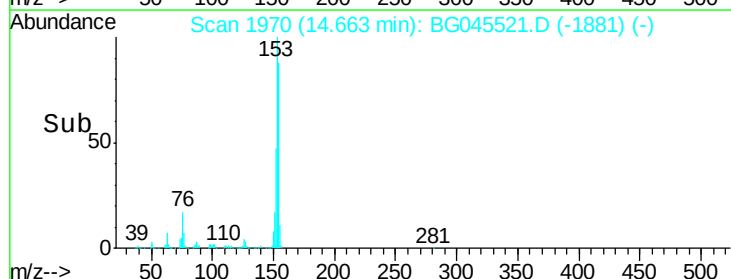
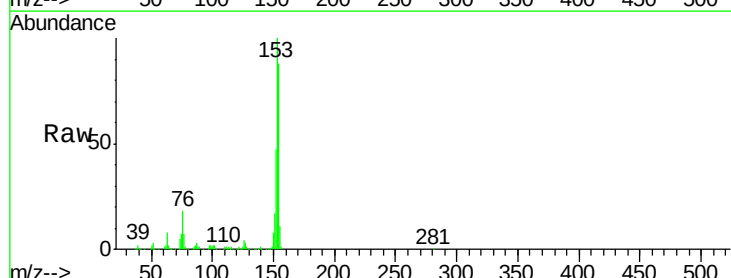
Manual Integrations
 APPROVED

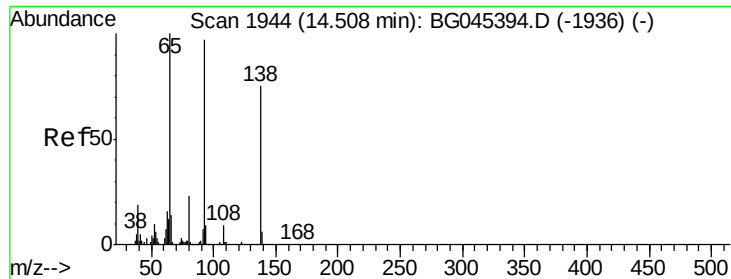
mohammad
 6/1/2020 12:22:40 PM



#52
 Acenaphthene
 Concen: 52.87 ng m
 RT: 14.66 min Scan# 1970
 Delta R.T. -0.00 min
 Lab File: BG045521.D
 Acq: 29 May 2020 13:18

Tgt Ion	Ratio	Resp Lower	Upper
154	100		
153	113.9	92.8	139.2
152	53.8	44.6	66.8





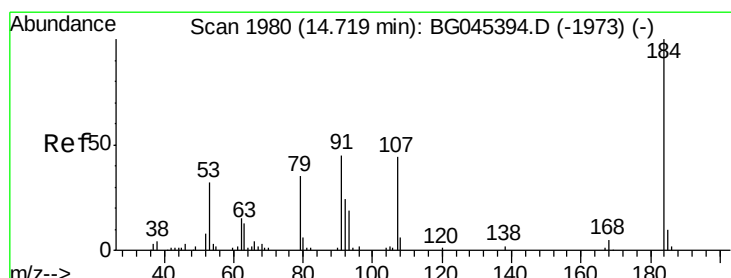
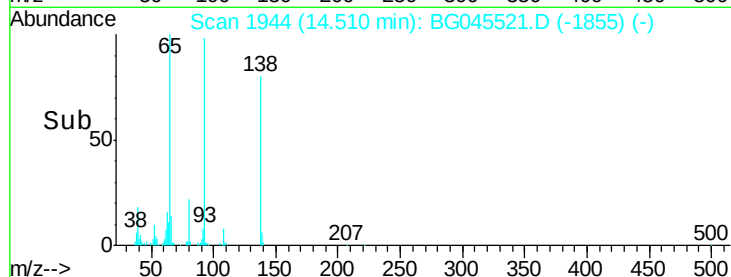
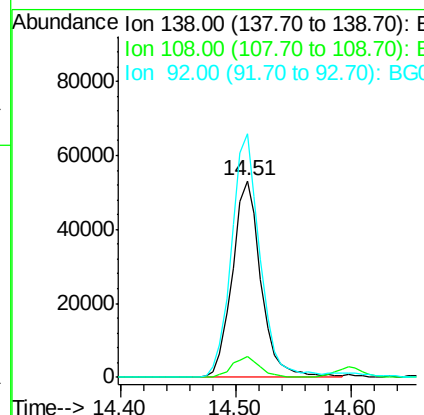
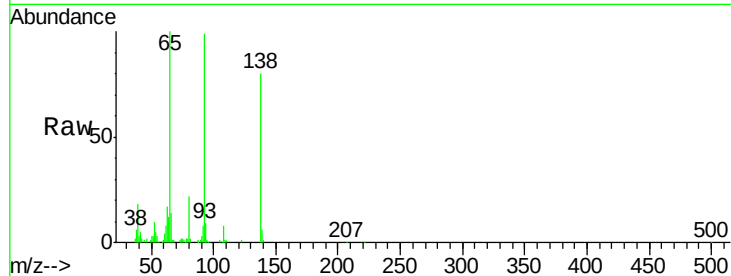
#53
 3-Nitroaniline
 Concen: 29.69 ng
 RT: 14.51 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: BG045521.D
 Acq: 29 May 2020 13:18

Instrument :
 BNA_G
 ClientSampleId :
 PB129160BSD

Tgt Ion:138 Resp: 91186
 Ion Ratio Lower Upper
 138 100
 108 10.3 9.8 14.6
 92 124.0 103.0 154.4

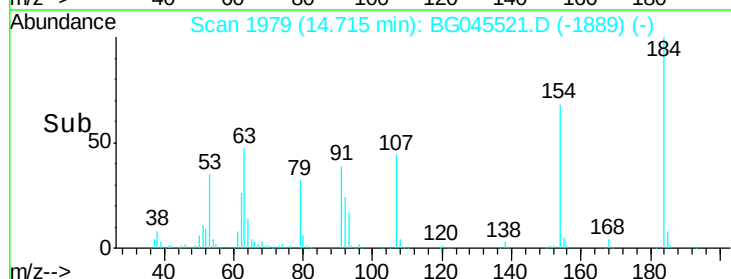
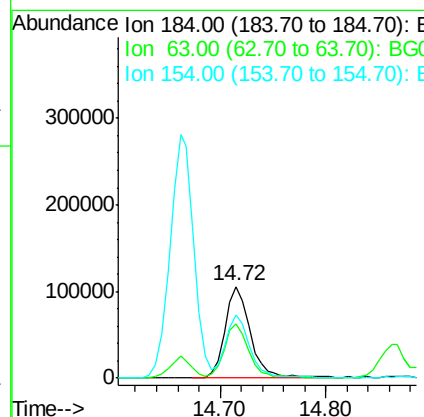
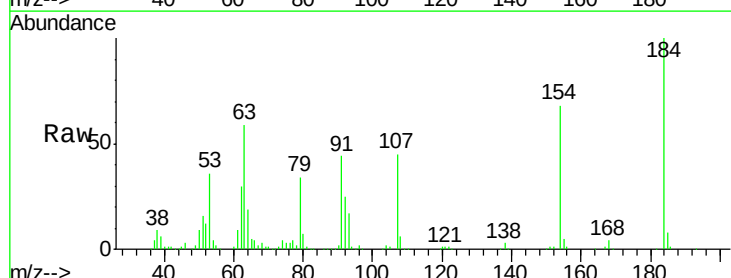
Manual Integrations
 APPROVED

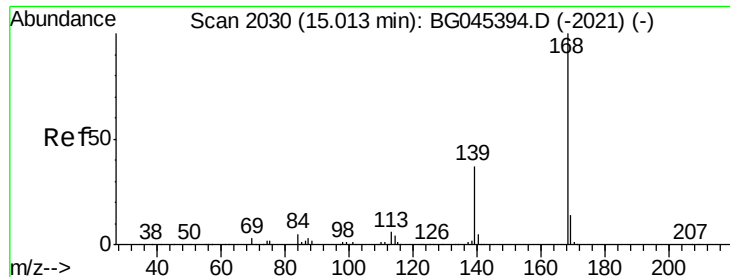
mohammad
 6/1/2020 12:22:40 PM



#54
 2,4-Dinitrophenol
 Concen: 89.15 ng
 RT: 14.72 min Scan# 1979
 Delta R.T. 0.00 min
 Lab File: BG045521.D
 Acq: 29 May 2020 13:18

Tgt Ion:184 Resp: 177751
 Ion Ratio Lower Upper
 184 100
 63 58.7 47.8 71.6
 154 68.3 58.3 87.5





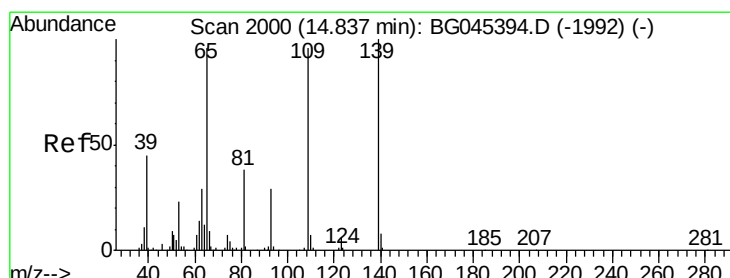
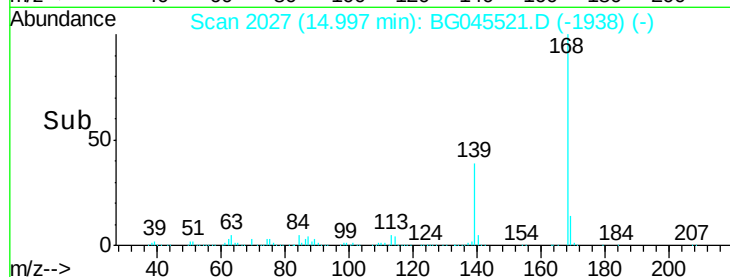
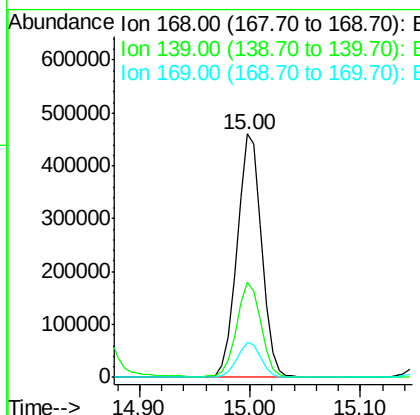
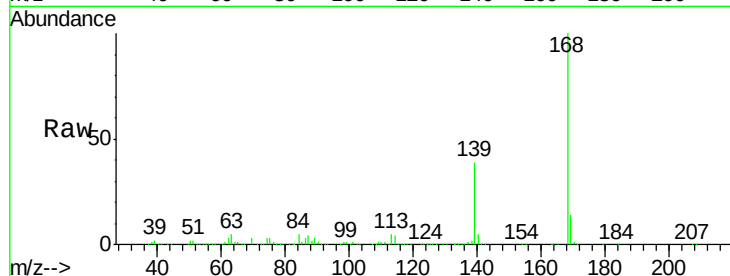
#55
Dibenzofuran
Concen: 46.08 ng
RT: 15.00 min Scan# 2027
Delta R.T. -0.00 min
Lab File: BG045521.D
Acq: 29 May 2020 13:18

Instrument :
BNA_G
ClientSampleId :
PB129160BSD

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	716558		
139	38.9	29.9	44.9	
169	14.2	10.9	16.3	

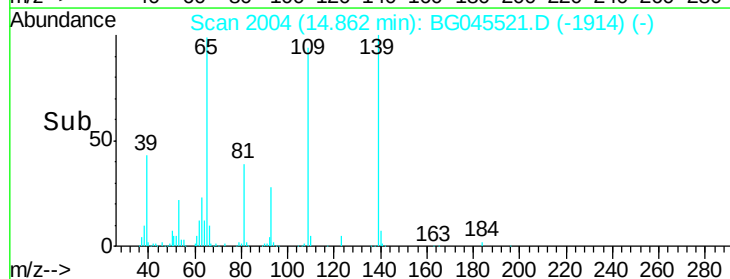
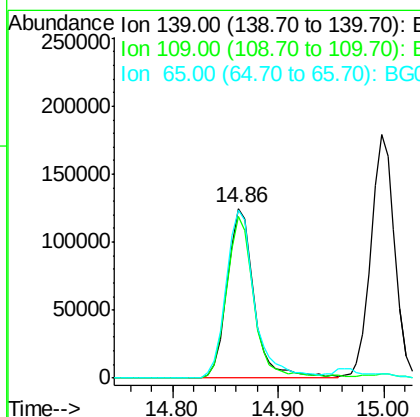
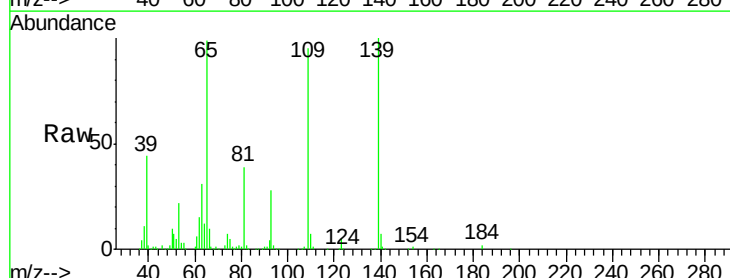
Manual Integrations
APPROVED

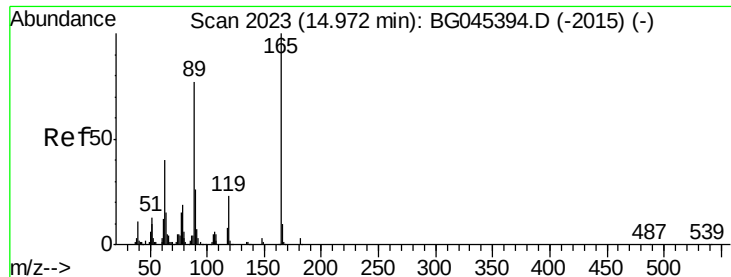
mohammad
6/1/2020 12:22:40 PM



#56
4-Nitrophenol
Concen: 94.72 ng
RT: 14.86 min Scan# 2004
Delta R.T. 0.00 min
Lab File: BG045521.D
Acq: 29 May 2020 13:18

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	220241		
109	95.1	75.6	115.6	
65	98.6	76.8	116.8	





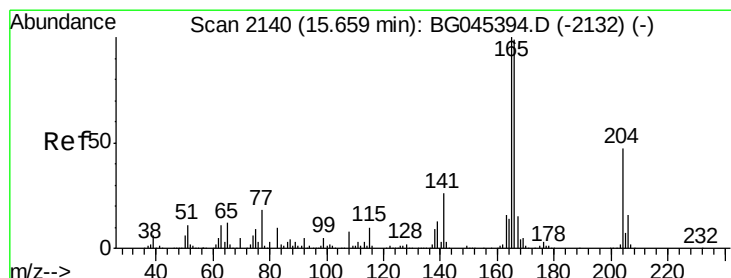
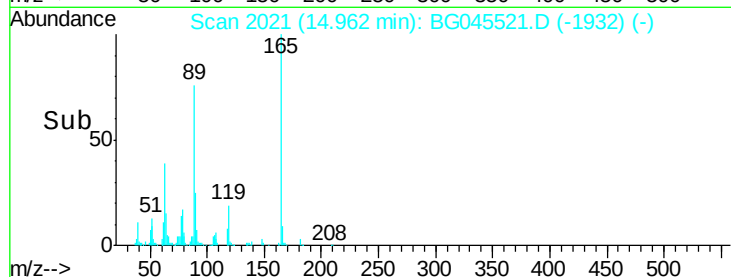
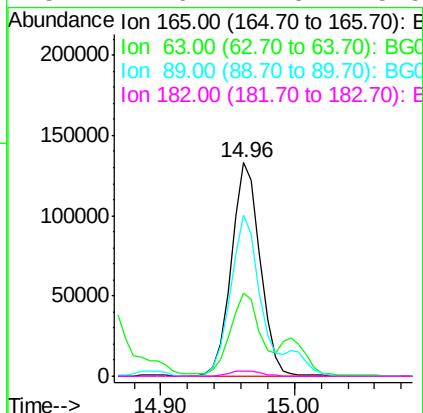
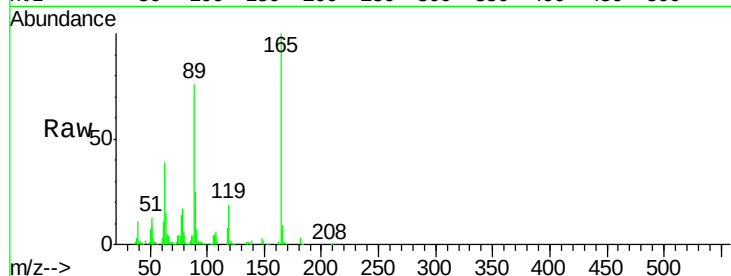
#57
2,4-Dinitrotoluene
Concen: 45.81 ng
RT: 14.96 min Scan# 2021
Delta R.T. -0.00 min
Lab File: BG045521.D
Acq: 29 May 2020 13:18

Instrument :
BNA_G
ClientSampleId :
PB129160BSD

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	200454		
63	38.9		32.5	48.7
89	75.7		61.8	92.6
182	2.6		2.3	3.5

Manual Integrations
APPROVED

mohammad
6/1/2020 12:22:40 PM



#58
Fluorene
Concen: 46.72 ng
RT: 15.65 min Scan# 2138
Delta R.T. -0.00 min
Lab File: BG045521.D
Acq: 29 May 2020 13:18

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	596753		
165	100.3		80.8	121.2
167	14.4		12.0	18.0

