

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021120\
 Data File : BG044401.D
 Acq On : 11 Feb 2020 23:09
 Operator : CG/JU
 Sample : L1438-01MS
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HAM-WC-S-SB-BCMS

Manual Integrations
 APPROVED

mohammad
 2/13/2020 3:32:47 PM

Quant Time: Feb 12 03:42:57 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 10 16:11:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	70954	20.00	ng	0.00
21) Naphthalene-d8	10.71	136	296585	20.00	ng	0.00
39) Acenaphthene-d10	14.54	164	201435	20.00	ng	0.00
64) Phenanthrene-d10	17.29	188	460313	20.00	ng	0.00
76) Chrysene-d12	21.53	240	432621	20.00	ng	0.00
87) Perylene-d12	24.62	264	467963	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.48	112	624473	155.33	ng	0.00
7) Phenol-d6	7.08	99	787183	145.81	ng	0.00
23) Nitrobenzene-d5	9.06	82	516296	98.28	ng	0.00
42) 2,4,6-Tribromophenol	16.03	330	376045	159.02	ng	0.00
45) 2-Fluorobiphenyl	13.17	172	1177863	97.92	ng	0.00
79) Terphenyl-d14	19.90	244	1933085	91.91	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.37	88	76880	42.561	ng	# 65
3) Pyridine	3.77	79	186903	38.837	ng	99
4) n-Nitrosodimethylamine	3.68	42	100820	50.134	ng	98
6) Aniline	7.23	93	127078	18.963	ng	99
8) 2-Chlorophenol	7.47	128	257251	58.221	ng	99
9) Benzaldehyde	7.03	77	98495	32.033	ng	98
10) Phenol	7.10	94	292489	54.742	ng	98
11) bis(2-Chloroethyl)ether	7.32	93	235378	51.529	ng	95
12) 1,3-Dichlorobenzene	7.79	146	251759	47.721	ng	99
13) 1,4-Dichlorobenzene	7.94	146	251020	48.041	ng	98
14) 1,2-Dichlorobenzene	8.26	146	241659	48.931	ng	100
15) Benzyl Alcohol	8.14	79	215867	56.477	ng	93
16) 2,2'-oxybis(1-Chloropropan	8.44	45	303485	49.087	ng	98
17) 2-Methylphenol	8.36	107	212579	55.764	ng	97
18) Hexachloroethane	8.99	117	92527	47.190	ng	99
19) n-Nitroso-di-n-propylamine	8.71	70	186063	51.712	ng	99
20) 3+4-Methylphenols	8.68	107	292365	55.649	ng	99
22) Acetophenone	8.73	105	350778	48.618	ng	100
24) Nitrobenzene	9.10	77	263931	51.463	ng	99
25) Isophorone	9.63	82	520895	53.198	ng	99
26) 2-Nitrophenol	9.82	139	143095	53.772	ng	99
27) 2,4-Dimethylphenol	9.88	122	237693	63.275	ng	99
28) bis(2-Chloroethoxy)methane	10.11	93	328074	50.226	ng	99
29) 2,4-Dichlorophenol	10.36	162	254725	56.079	ng	100
30) 1,2,4-Trichlorobenzene	10.57	180	251542	48.296	ng	99
31) Naphthalene	10.75	128	740311	51.448	ng	99
32) Benzoic acid	10.02	122	47229	27.623	ng	97
33) 4-Chloroaniline	10.88	127	22742	3.475	ng	95
34) Hexachlorobutadiene	11.05	225	148378	46.298	ng	99
35) Caprolactam	11.63	113	90123m	54.163	ng	
36) 4-Chloro-3-methylphenol	12.00	107	274660	57.673	ng	98
37) 2-Methylnaphthalene	12.36	142	559611	52.380	ng	100
38) 1-Methylnaphthalene	12.59	142	532801	52.896	ng	100
40) 1,2,4,5-Tetrachlorobenzene	12.74	216	279302	46.353	ng	99

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021120\
 Data File : BG044401.D
 Acq On : 11 Feb 2020 23:09
 Operator : CG/JU
 Sample : L1438-01MS
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleID :
 HAM-WC-S-SB-BCMS

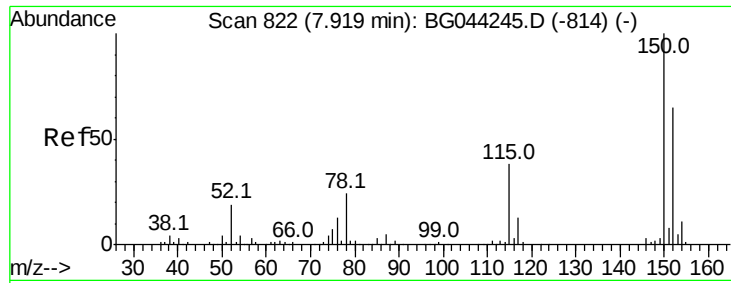
Manual Integrations
 APPROVED

mohammad
 2/13/2020 3:32:47 PM

Quant Time: Feb 12 03:42:57 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 10 16:11:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.72	237	267678	92.582	nq	99
43) 2,4,6-Trichlorophenol	12.98	196	209369	53.756	nq	97
44) 2,4,5-Trichlorophenol	13.06	196	225852	56.773	nq	99
46) 1,1'-Biphenyl	13.37	154	719381	49.511	nq	99
47) 2-Chloronaphthalene	13.41	162	564965	48.864	nq	99
48) 2-Nitroaniline	13.62	65	173908	50.967	nq	97
49) Acenaphthylene	14.27	152	901562	53.163	nq	99
50) Dimethylphthalate	14.00	163	773324	53.407	nq	99
51) 2,6-Dinitrotoluene	14.11	165	171832	53.224	nq	99
52) Acenaphthene	14.61	154	559515	50.902	nq	99
53) 3-Nitroaniline	14.44	138	57387	16.067	nq	99
54) 2,4-Dinitrophenol	14.65	184	104745	57.160	nq	98
55) Dibenzofuran	14.94	168	871817	52.386	nq	99
56) 4-Nitrophenol	14.77	139	305755	116.861	nq	99
57) 2,4-Dinitrotoluene	14.91	165	242607	53.615	nq	98
58) Fluorene	15.59	166	696139	53.108	nq	100
59) 2,3,4,6-Tetrachlorophenol	15.17	232	207674	57.795	nq	99
60) Diethylphthalate	15.36	149	767267	53.179	nq	99
61) 4-Chlorophenyl-phenylether	15.58	204	368638	51.868	nq	98
62) 4-Nitroaniline	15.61	138	176577	49.474	nq	98
63) Azobenzene	15.88	77	688835	54.474	nq	100
65) 4,6-Dinitro-2-methylphenol	15.67	198	109961	43.276	nq	98
66) n-Nitrosodiphenylamine	15.80	169	663758	51.454	nq	99
67) 4-Bromophenyl-phenylether	16.48	248	247439	49.339	nq	98
68) Hexachlorobenzene	16.60	284	270766	48.192	nq	99
69) Atrazine	16.75	200	263465	59.587	nq	99
70) Pentachlorophenol	16.95	266	252725	88.598	nq	97
71) Phenanthrene	17.33	178	1163530	52.200	nq	99
72) Anthracene	17.42	178	1191243	54.056	nq	99
73) Carbazole	17.69	167	1084751	53.395	nq	99
74) Di-n-butylphthalate	18.26	149	1339510	53.356	nq	99
75) Fluoranthene	19.34	202	1373966	53.285	nq	99
77) Benzidine	19.52	184	211041	17.587	nq	97
78) Pyrene	19.70	202	1383351	49.791	nq	99
80) Butylbenzylphthalate	20.59	149	618767	48.872	nq	99
81) Benzo(a)anthracene	21.52	228	1316029	49.358	nq	100
82) 3,3'-Dichlorobenzidine	21.43	252	191934	18.548	nq	100
83) Chrysene	21.58	228	1264591	49.068	nq	100
84) Bis(2-ethylhexyl)phthalate	21.43	149	869887	49.916	nq	100
85) Di-n-octyl phthalate	22.60	149	1507764	50.005	nq	100
86) Indeno(1,2,3-cd)pyrene	28.12	276	1656361	49.262	nq	100
88) Benzo(b)fluoranthene	23.65	252	1415602	52.496	nq	100
89) Benzo(k)fluoranthene	23.71	252	1385880	52.732	nq	100
90) Benzo(a)pyrene	24.47	252	1309203	51.350	nq	99
91) Dibenzo(a,h)anthracene	28.18	278	1354795	53.693	nq	99
92) Benzo(g,h,i)perylene	29.21	276	1389968	55.028	nq	97

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



#1

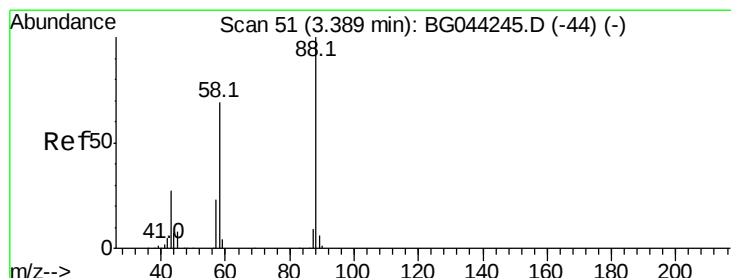
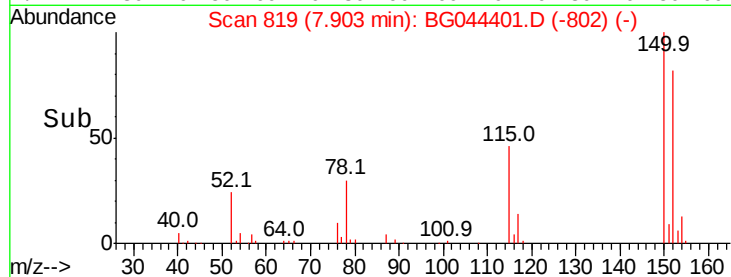
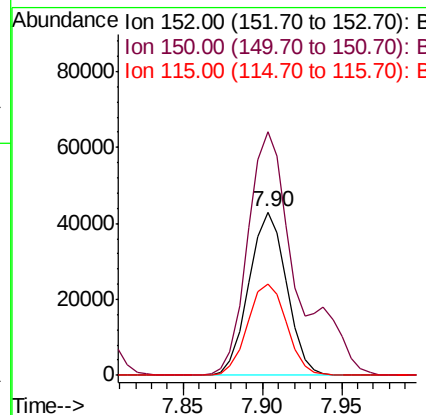
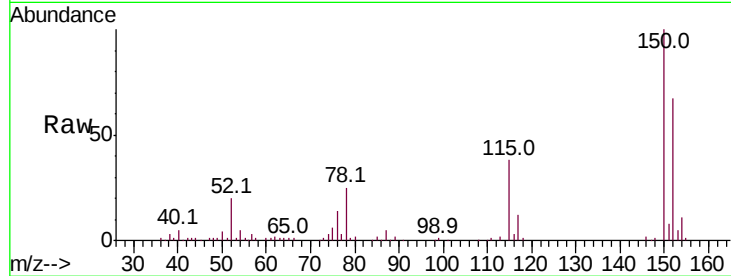
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.90 min Scan# 819
Delta R.T. -0.00 min
Lab File: BG044401.D
Acq: 11 Feb 2020 23:09

Instrument :
BNA_G
ClientSampleId :
HAM-WC-S-SB-BCMS

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.2	122.6	183.8
115	56.3	46.0	69.0

Manual Integrations
APPROVED

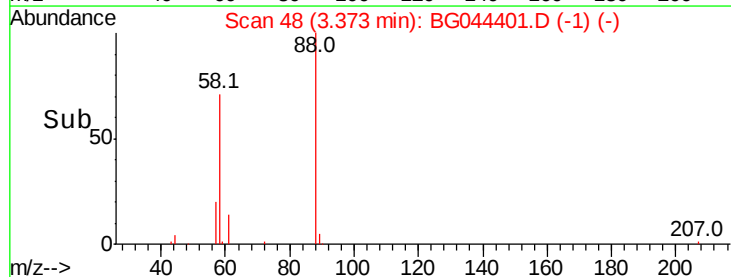
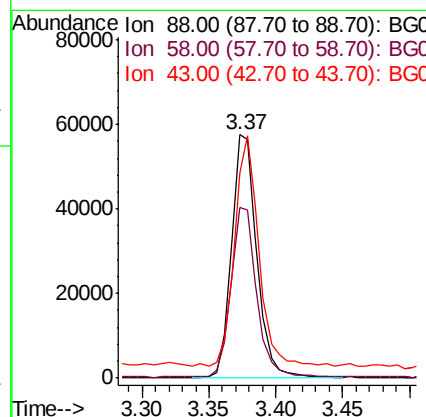
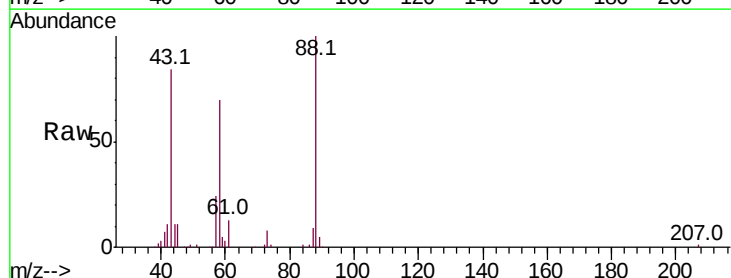
mohammad
2/13/2020 3:32:47 PM

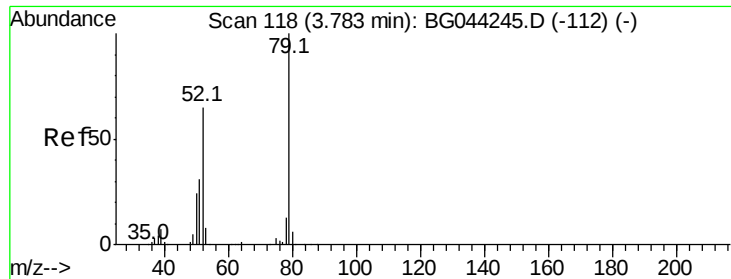


#2

1,4-Dioxane
Concen: 42.561 ng
RT: 3.37 min Scan# 48
Delta R.T. 0.01 min
Lab File: BG044401.D
Acq: 11 Feb 2020 23:09

Tgt Ion	Ratio	Lower	Upper
88	100		
58	70.3	55.8	83.6
43	90.5	21.6	32.4#





#3

Pvridine

Concen: 38.837 ng

RT: 3.77 min Scan# 116

Delta R.T. 0.01 min

Lab File: BG044401.D

Acq: 11 Feb 2020 23:09

Instrument :

BNA_G

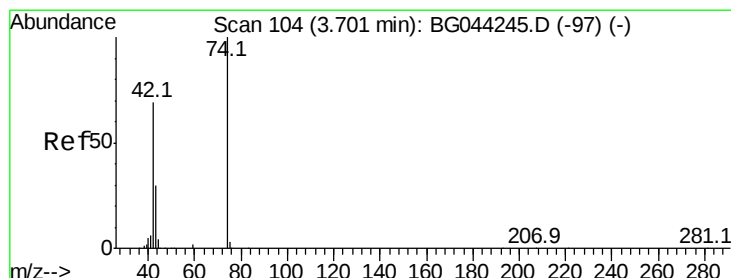
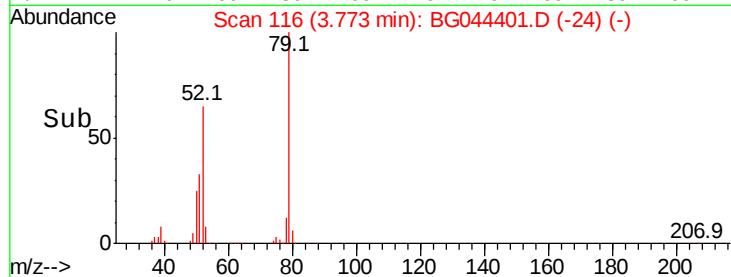
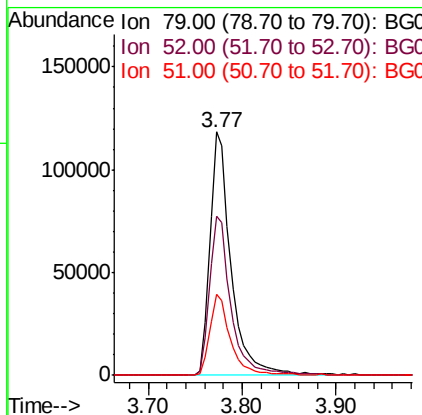
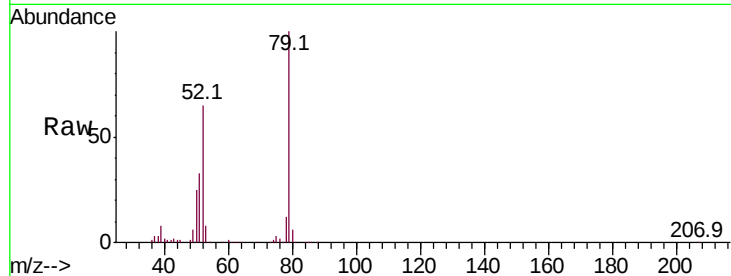
ClientSampleId :

HAM-WC-S-SB-BCMS

Tot Ion:	79	Resp:	186903
Ion	Ratio	Lower	Upper
79	100		
52	65.5	51.9	77.9
51	33.1	25.3	37.9

Manual Integrations
APPROVED

mohammad
2/13/2020 3:32:47 PM



#4

n-Nitrosodimethylamine

Concen: 50.134 ng

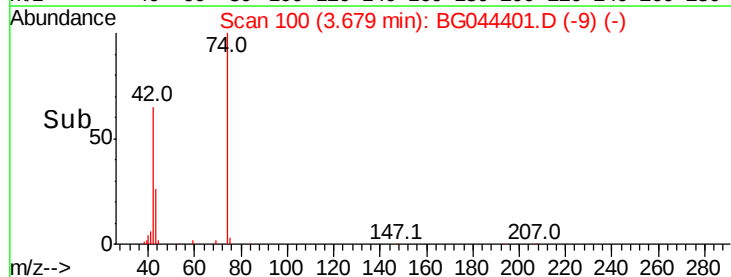
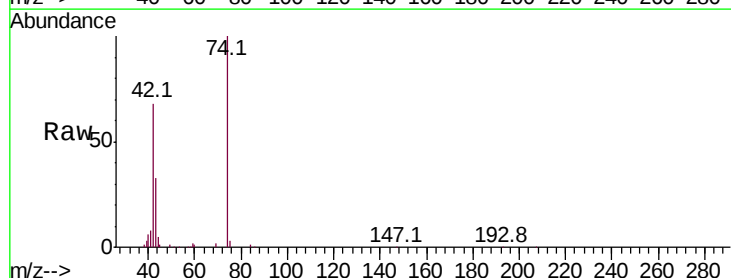
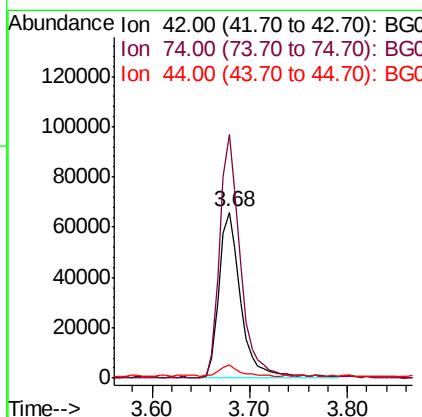
RT: 3.68 min Scan# 100

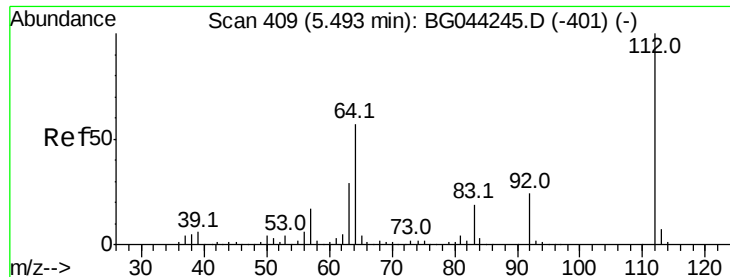
Delta R.T. 0.00 min

Lab File: BG044401.D

Acq: 11 Feb 2020 23:09

Tgt Ion:	42	Resp:	100820
Ion	Ratio	Lower	Upper
42	100		
74	146.7	115.1	172.7
44	7.8	5.6	8.4





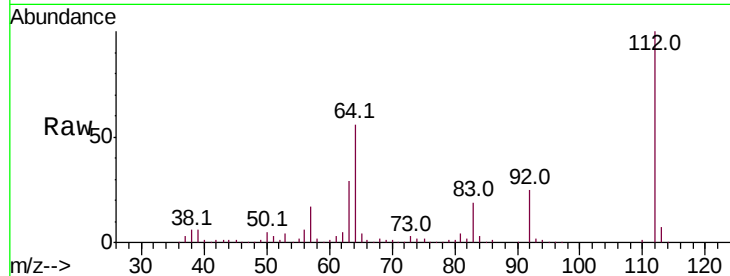
#5
2-Fluorophenol
Concen: 155.325 ng
RT: 5.48 min Scan# 407
Delta R.T. 0.00 min
Lab File: BG044401.D
Acq: 11 Feb 2020 23:09

Instrument :
BNA_G
ClientSampleId :
HAM-WC-S-SB-BCMS

Tot Ion	Ratio	Resp	Lower	Upper
112	100	624473		
64	55.9		45.4	68.2
63	29.2		22.9	34.3

Manual Integrations
APPROVED

mohammad
2/13/2020 3:32:47 PM

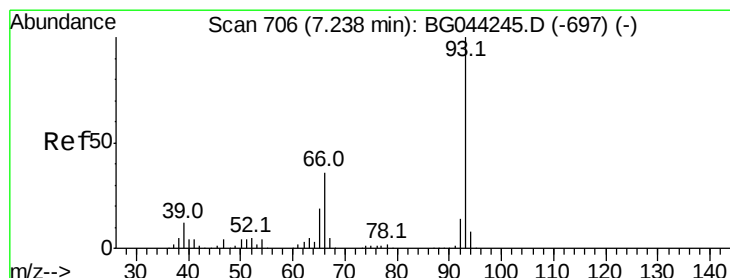
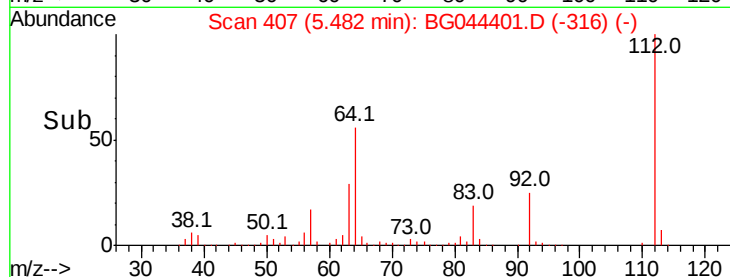
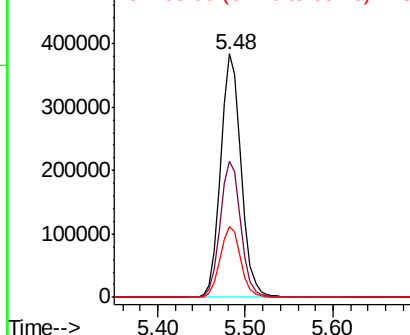


Abundance

Ion 112.00 (111.70 to 112.70): BGC

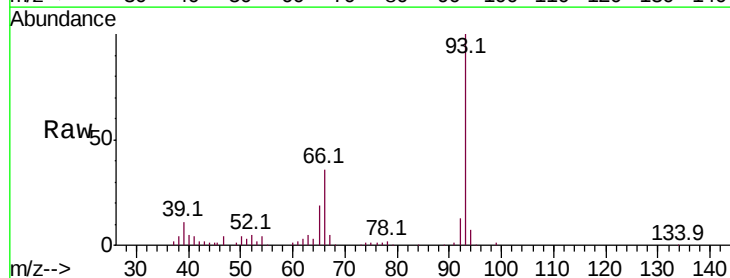
Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6
Aniline
Concen: 18.963 ng
RT: 7.23 min Scan# 704
Delta R.T. -0.00 min
Lab File: BG044401.D
Acq: 11 Feb 2020 23:09

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	127078		
66	36.2		28.7	43.1
65	18.7		15.4	23.0

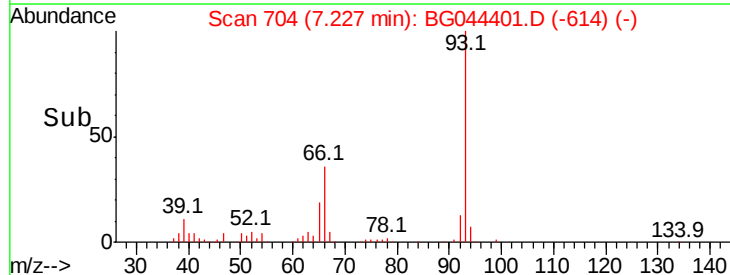
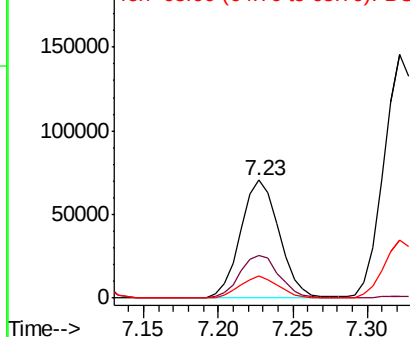


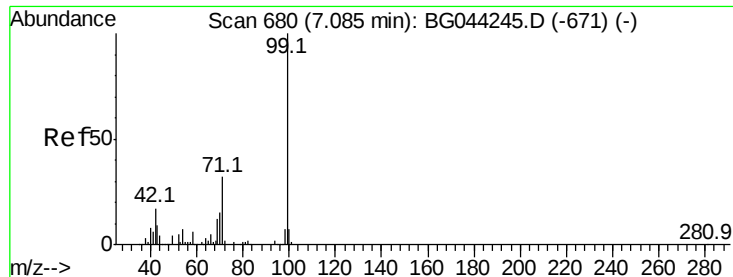
Abundance

Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 145.807 ng

RT: 7.08 min Scan# 679

Delta R.T. 0.00 min

Lab File: BG044401.D

Acq: 11 Feb 2020 23:09

Instrument :

BNA_G

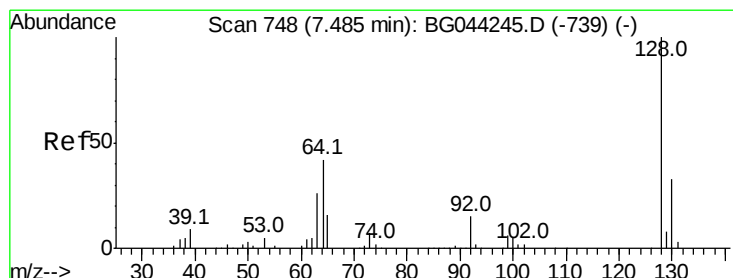
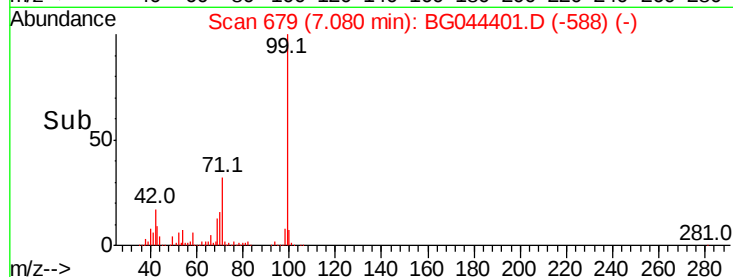
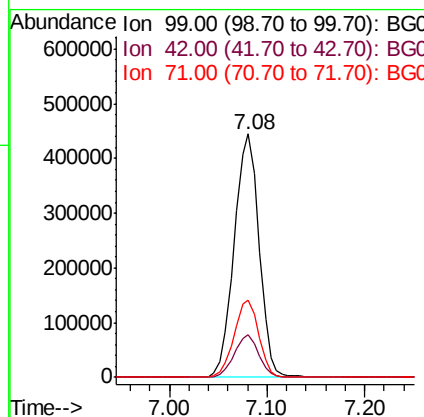
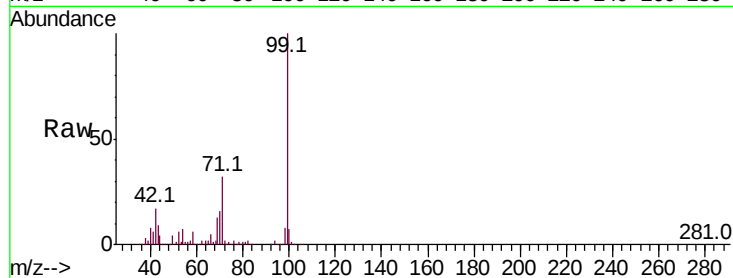
ClientSampleId :

HAM-WC-S-SB-BCMS

Tot Ion:	99	Resp:	787183
Ion Ratio	Lower	Upper	
99	100		
42	17.3	13.8	20.6
71	31.8	25.5	38.3

Manual Integrations
APPROVED

mohammad
2/13/2020 3:32:47 PM



#8

2-Chlorophenol

Concen: 58.221 ng

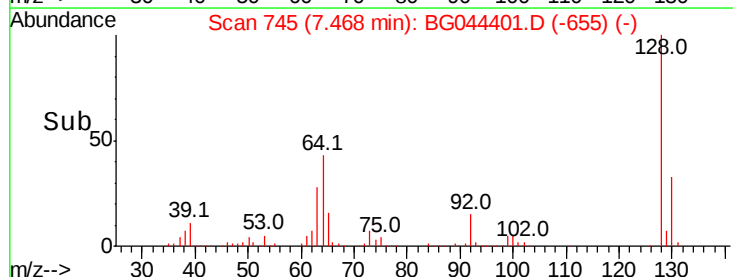
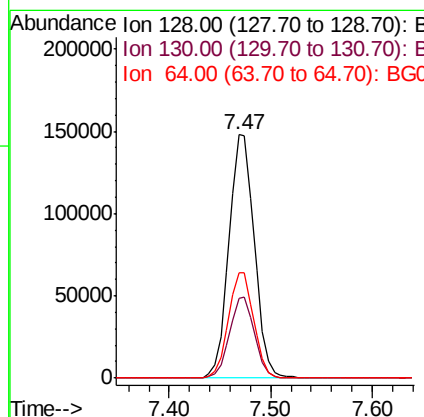
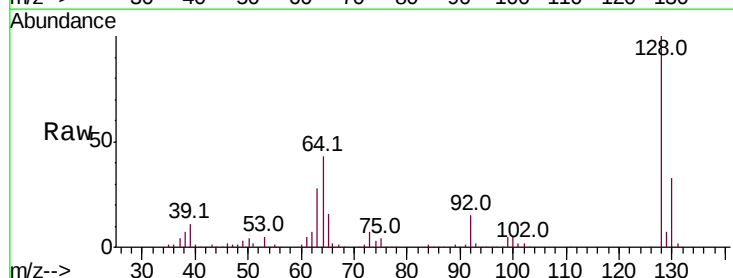
RT: 7.47 min Scan# 745

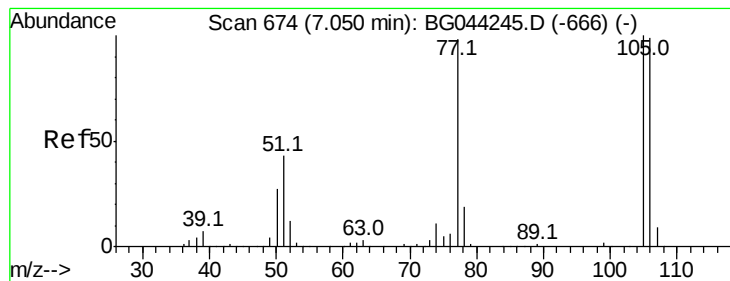
Delta R.T. -0.00 min

Lab File: BG044401.D

Acq: 11 Feb 2020 23:09

Tgt Ion:	128	Resp:	257251
Ion Ratio	Lower	Upper	
128	100		
130	32.9	12.5	52.5
64	43.5	24.2	64.2





#9

Benzaldehyde

Concen: 32.033 ng

RT: 7.03 min Scan# 671

Delta R.T. -0.00 min

Lab File: BG044401.D

Acq: 11 Feb 2020 23:09

Instrument :

BNA_G

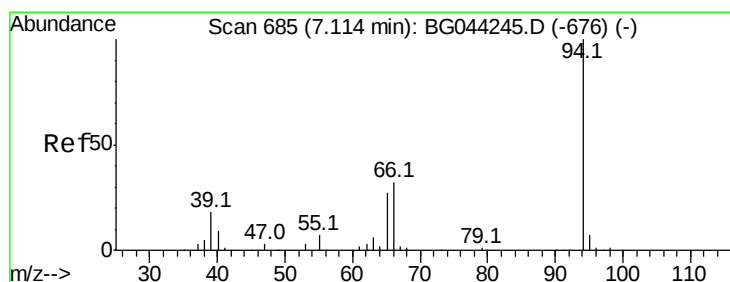
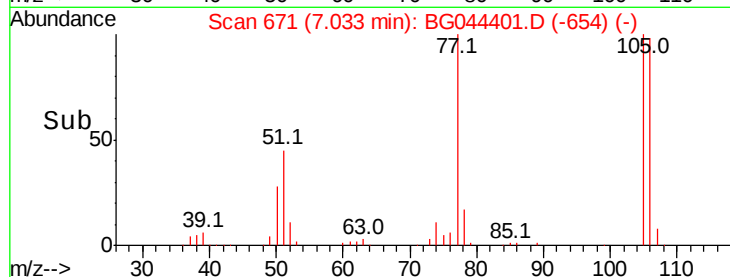
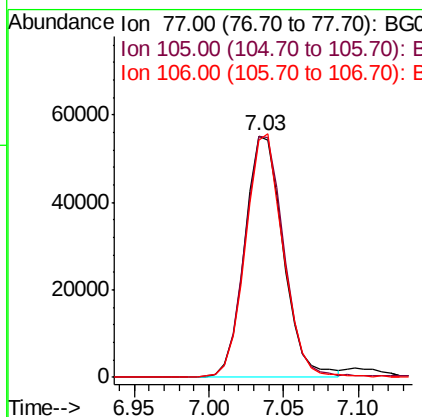
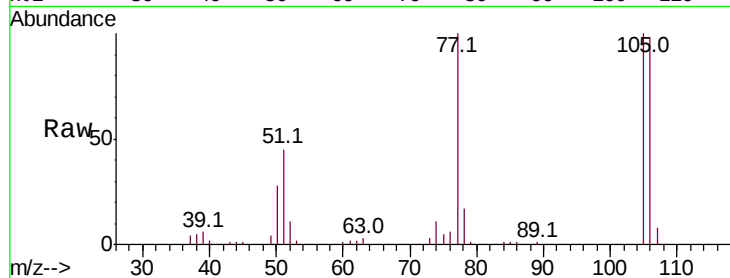
ClientSampleId :

HAM-WC-S-SB-BCMS

Tot Ion:	77	Resp:	98495
Ion	Ratio	Lower	Upper
77	100		
105	99.9	82.0	122.0
106	98.3	80.7	120.7

Manual Integrations
APPROVED

mohammad
2/13/2020 3:32:47 PM



#10

Phenol

Concen: 54.742 ng

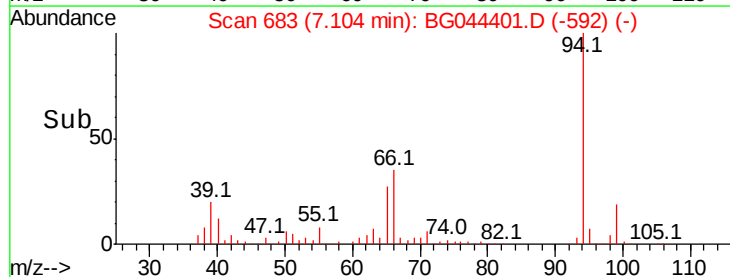
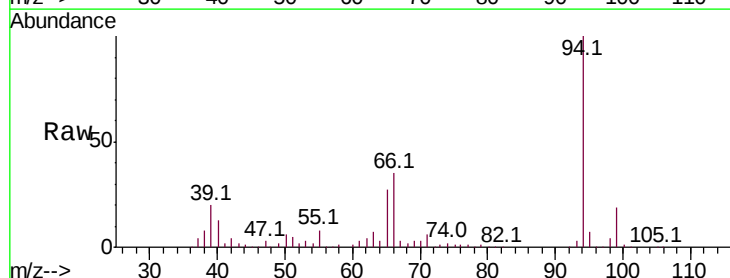
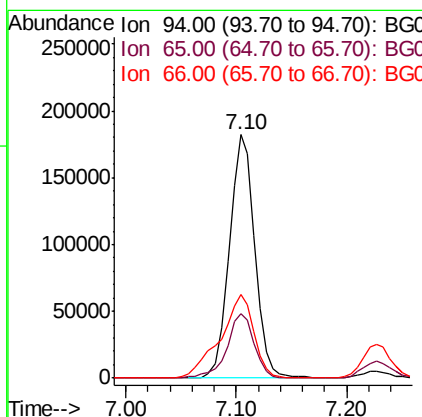
RT: 7.10 min Scan# 683

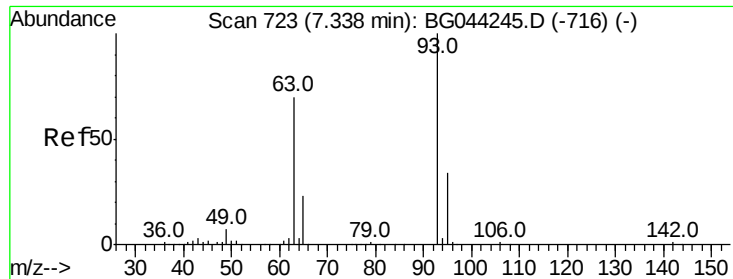
Delta R.T. 0.00 min

Lab File: BG044401.D

Acq: 11 Feb 2020 23:09

Tgt Ion:	94	Resp:	292489
Ion	Ratio	Lower	Upper
94	100		
65	26.5	7.0	47.0
66	34.5	12.7	52.7





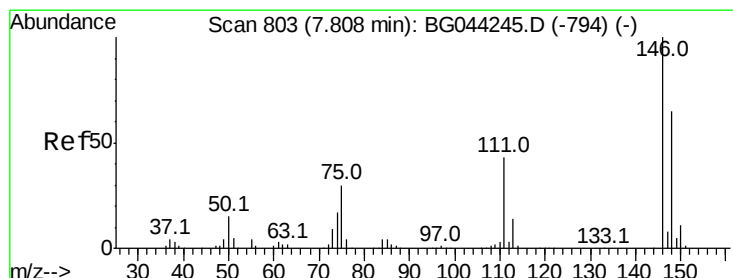
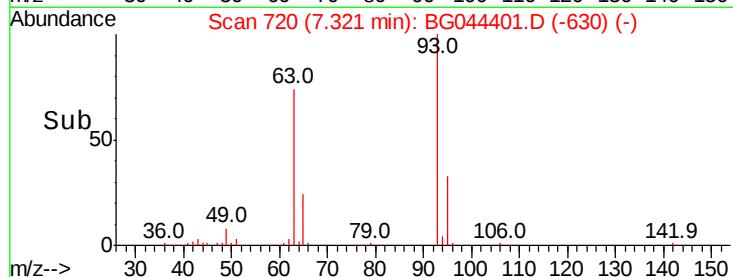
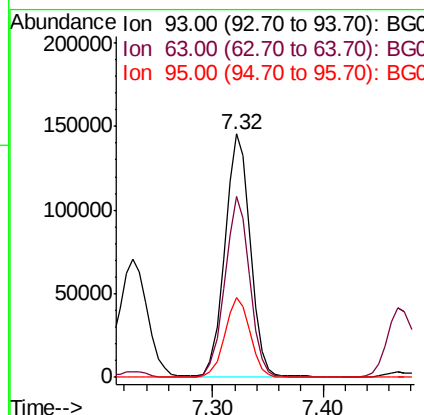
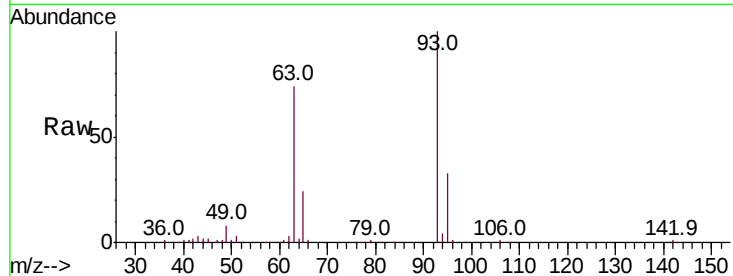
#11
bis(2-Chloroethyl)ether
Concen: 51.529 ng
RT: 7.32 min Scan# 720
Delta R.T. -0.00 min
Lab File: BG044401.D
Acq: 11 Feb 2020 23:09

Instrument :
BNA_G
ClientSampleId :
HAM-WC-S-SB-BCMS

Tot Ion	Ratio	Resp	Lower	Upper
93	100	235378		
63	74.1	49.2	89.2	
95	32.8	13.6	53.6	

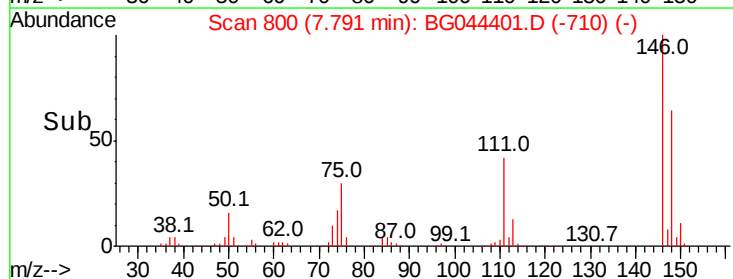
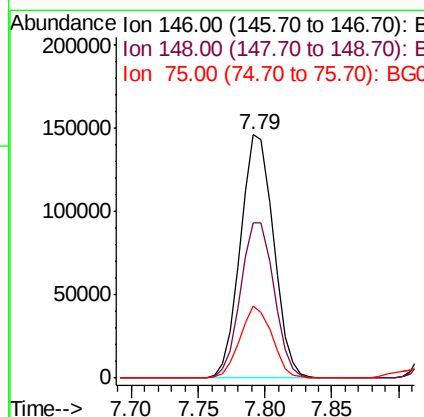
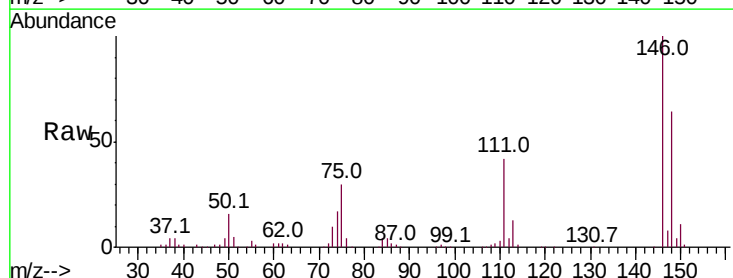
Manual Integrations
APPROVED

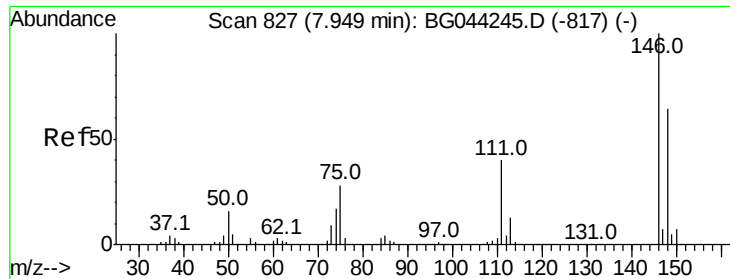
mohammad
2/13/2020 3:32:47 PM



#12
1,3-Dichlorobenzene
Concen: 47.721 ng
RT: 7.79 min Scan# 800
Delta R.T. -0.00 min
Lab File: BG044401.D
Acq: 11 Feb 2020 23:09

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	251759		
148	63.8	51.8	77.8	
75	29.7	23.7	35.5	





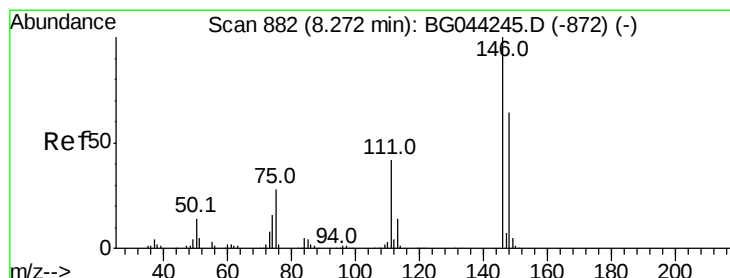
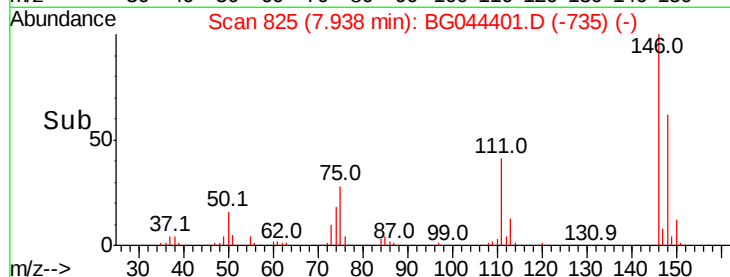
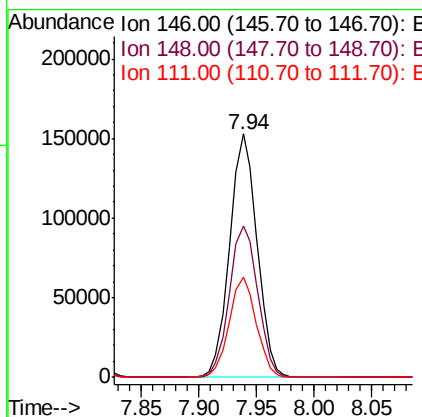
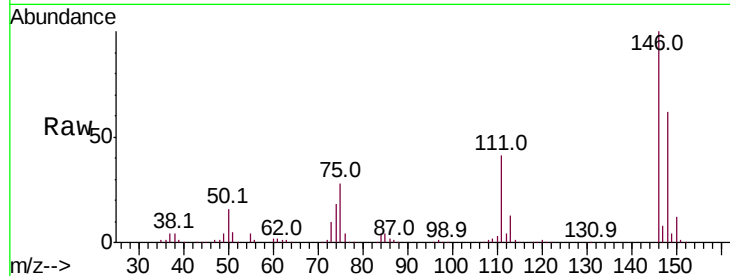
#13
 1,4-Dichlorobenzene
 Concen: 48.041 ng
 RT: 7.94 min Scan# 825
 Delta R.T. -0.00 min
 Lab File: BG044401.D
 Acq: 11 Feb 2020 23:09

Instrument :
 BNA_G
 ClientSampleId :
 HAM-WC-S-SB-BCMS

Tot Ion	Ratio	Lower	Upper
146	100		
148	62.1	51.4	77.0
111	41.0	31.8	47.8

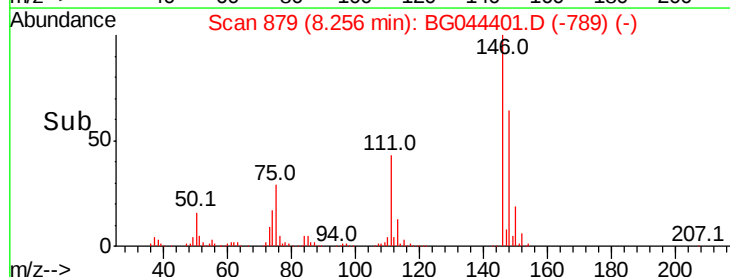
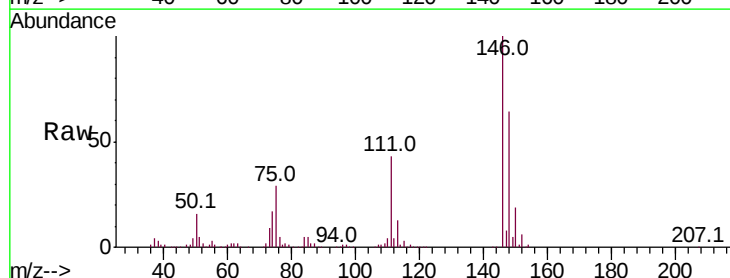
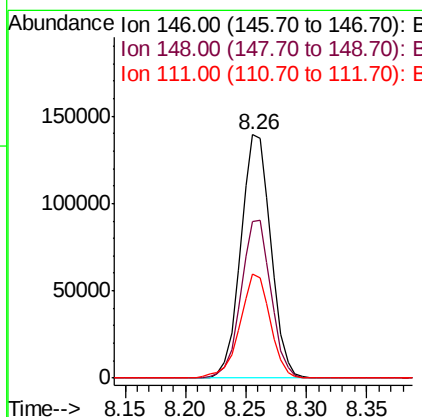
Manual Integrations
 APPROVED

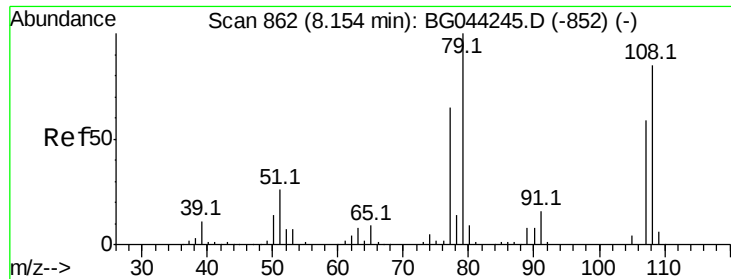
mohammad
 2/13/2020 3:32:47 PM



#14
 1,2-Dichlorobenzene
 Concen: 48.931 ng
 RT: 8.26 min Scan# 879
 Delta R.T. -0.00 min
 Lab File: BG044401.D
 Acq: 11 Feb 2020 23:09

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.2	76.8
111	42.6	34.0	51.0





#15

Benzyl Alcohol

Concen: 56.477 ng

RT: 8.14 min Scan# 860

Delta R.T. 0.00 min

Lab File: BG044401.D

Acq: 11 Feb 2020 23:09

Instrument :

BNA_G

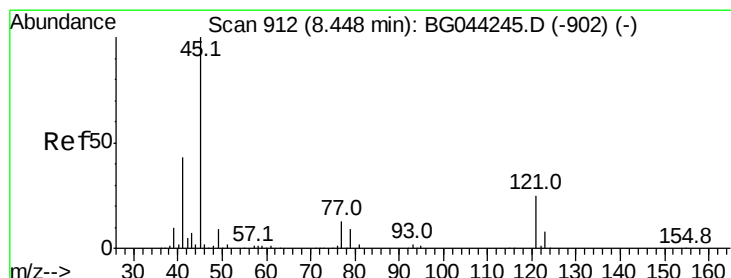
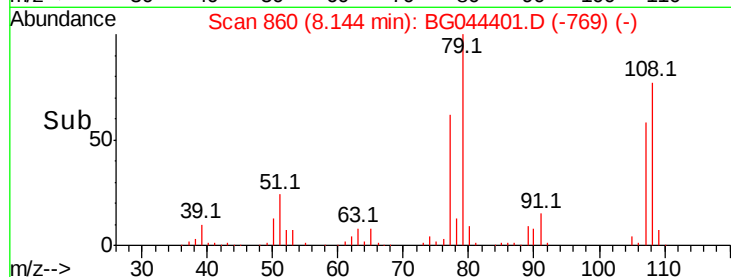
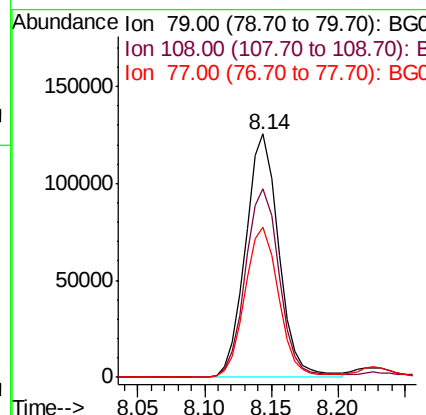
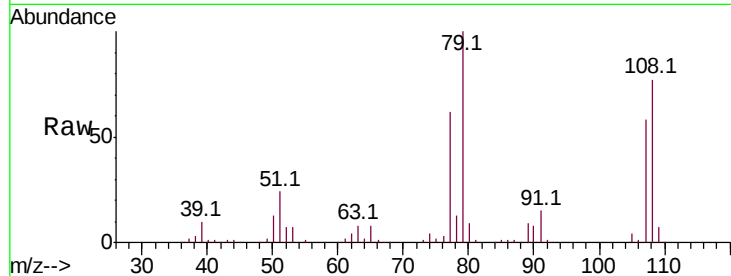
ClientSampleId :

HAM-WC-S-SB-BCMS

Tot Ion: 79 Resp: 215867
 Ion Ratio Lower Upper
 79 100
 108 77.3 68.3 102.5
 77 61.7 51.8 77.8

Manual Integrations
 APPROVED

mohammad
 2/13/2020 3:32:47 PM



#16

2,2'-oxybis(1-chloropropane)

Concen: 49.087 ng

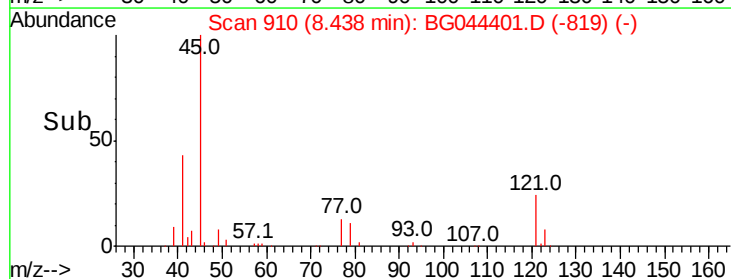
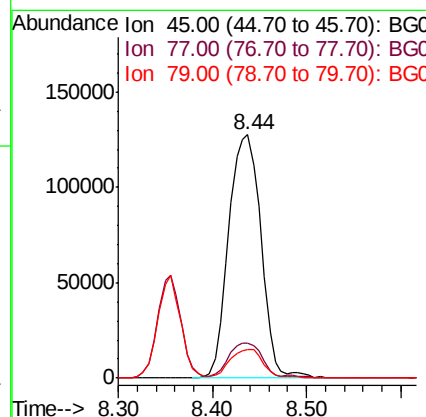
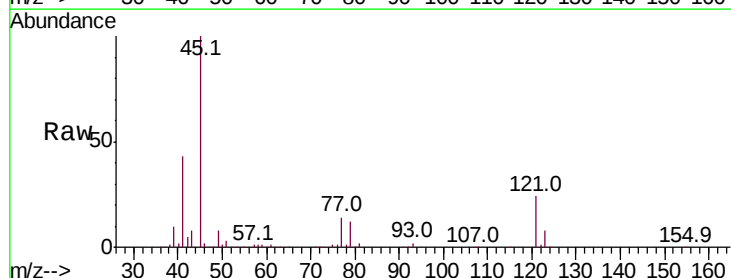
RT: 8.44 min Scan# 910

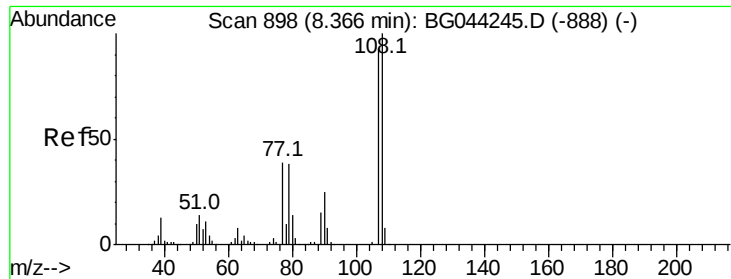
Delta R.T. 0.00 min

Lab File: BG044401.D

Acq: 11 Feb 2020 23:09

Tgt Ion: 45 Resp: 303485
 Ion Ratio Lower Upper
 45 100
 77 14.3 0.0 35.2
 79 11.7 0.0 31.1





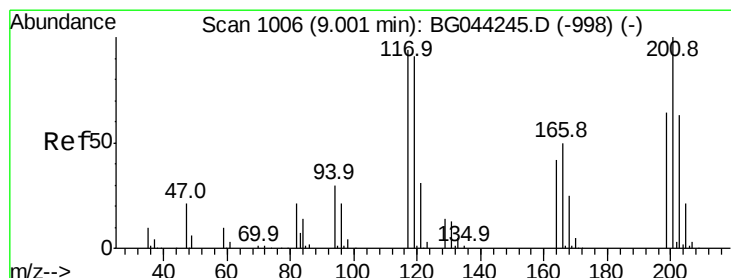
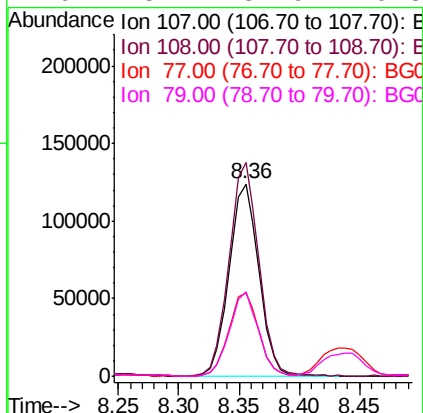
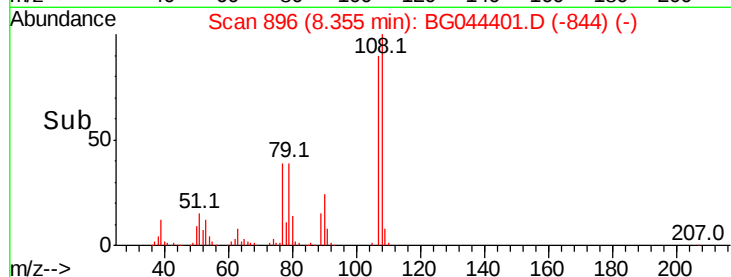
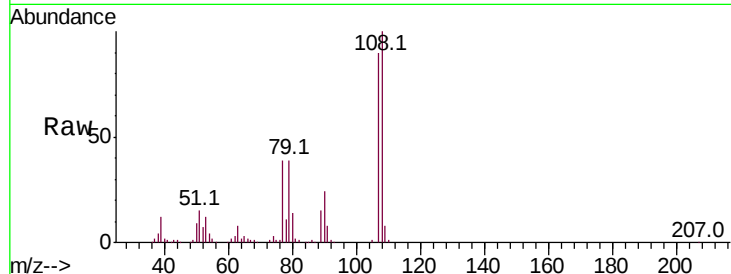
#17
2-Methylphenol
Concen: 55.764 ng
RT: 8.36 min Scan# 896
Delta R.T. 0.00 min
Lab File: BG044401.D
Acq: 11 Feb 2020 23:09

Instrument :
BNA_G
ClientSampleId :
HAM-WC-S-SB-BCMS

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	111.1	86.4	129.6	
77	43.5	34.0	51.0	
79	43.7	32.9	49.3	

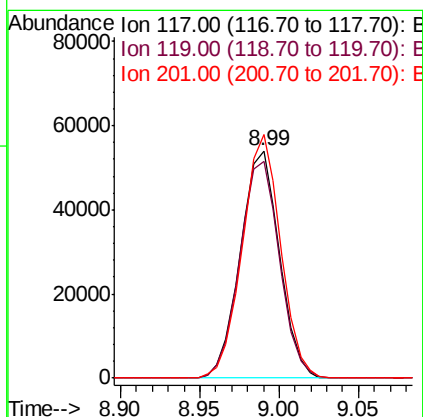
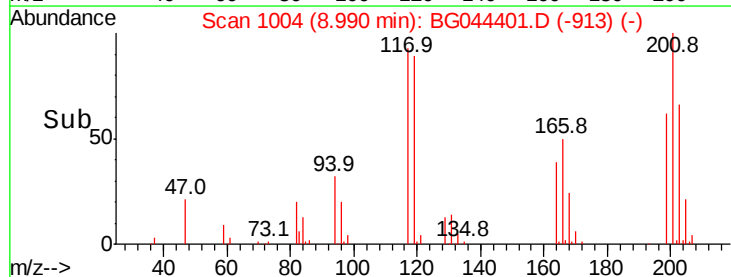
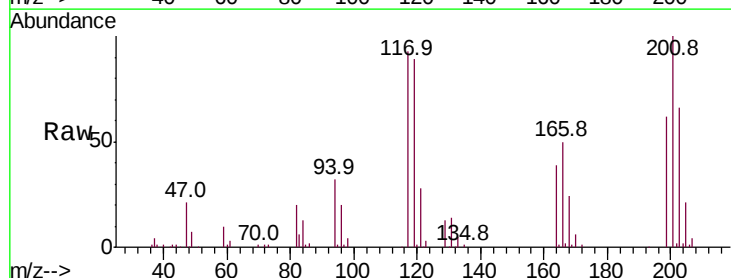
Manual Integrations
APPROVED

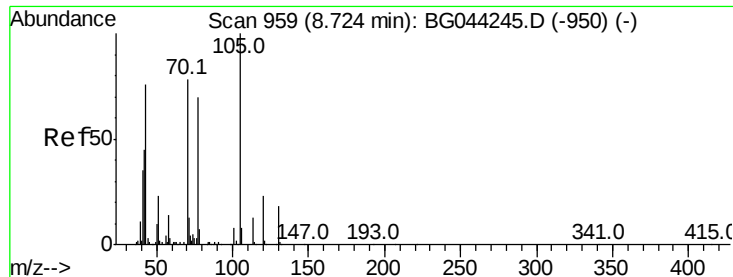
mohammad
2/13/2020 3:32:47 PM



#18
Hexachloroethane
Concen: 47.190 ng
RT: 8.99 min Scan# 1004
Delta R.T. 0.00 min
Lab File: BG044401.D
Acq: 11 Feb 2020 23:09

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	95.4	77.5	116.3	
201	107.1	84.9	127.3	





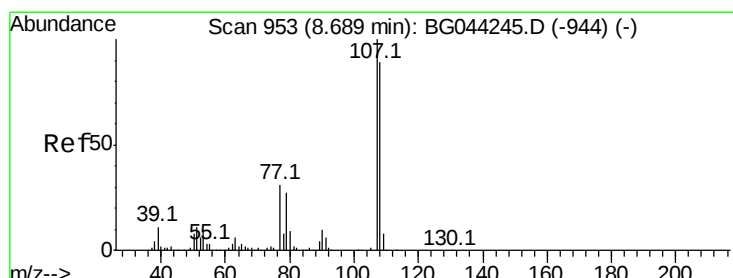
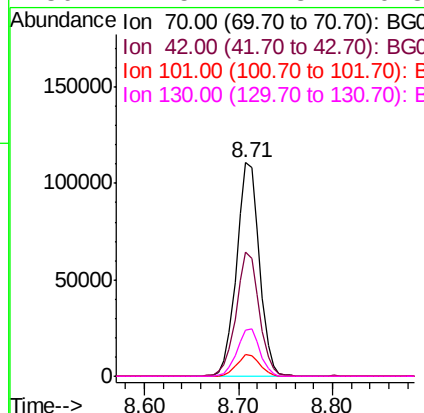
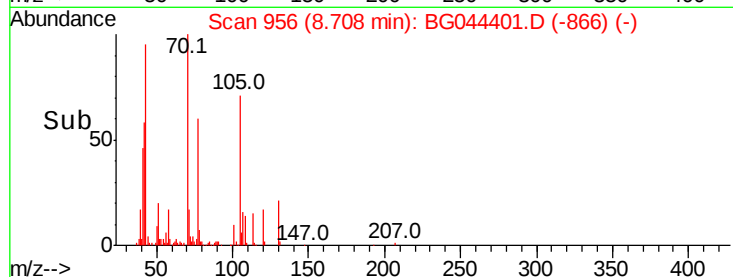
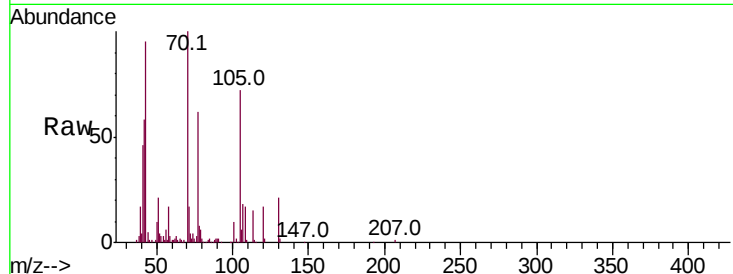
#19
n-Nitroso-di-n-propylamine
Concen: 51.712 ng
RT: 8.71 min Scan# 956
Delta R.T. -0.00 min
Lab File: BG044401.D
Acq: 11 Feb 2020 23:09

Instrument :
BNA_G
ClientSampleId :
HAM-WC-S-SB-BCMS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100				
42	58.1	46.2	69.2		
101	9.9	8.4	12.6		
130	21.5	17.8	26.8		

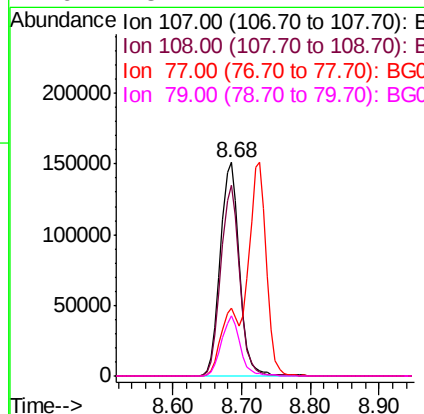
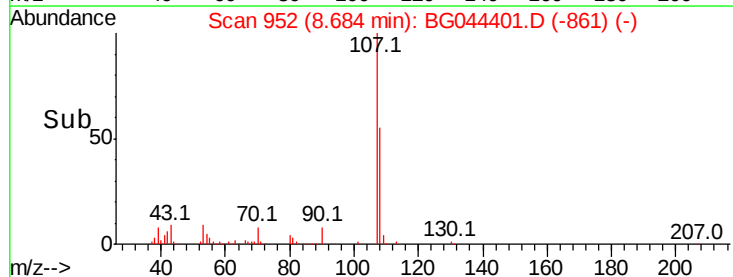
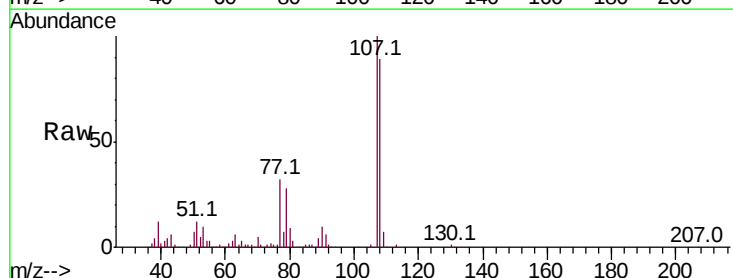
Manual Integrations
APPROVED

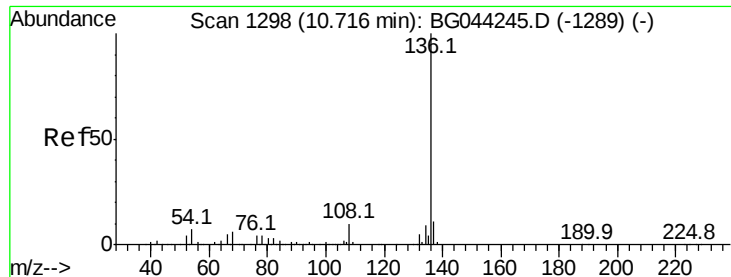
mohammad
2/13/2020 3:32:47 PM



#20
3+4-Methylphenols
Concen: 55.649 ng
RT: 8.68 min Scan# 952
Delta R.T. 0.00 min
Lab File: BG044401.D
Acq: 11 Feb 2020 23:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
108	89.3	68.5	108.5		
77	31.8	10.9	50.9		
79	28.1	7.1	47.1		





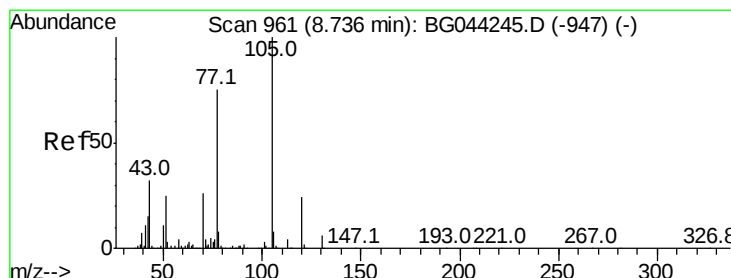
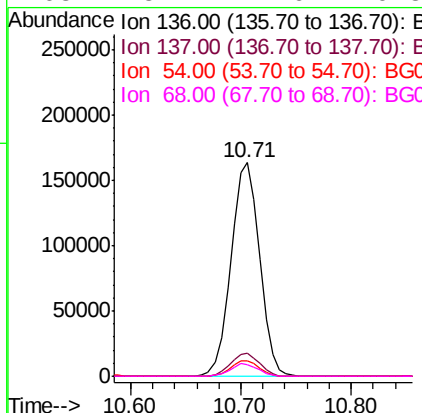
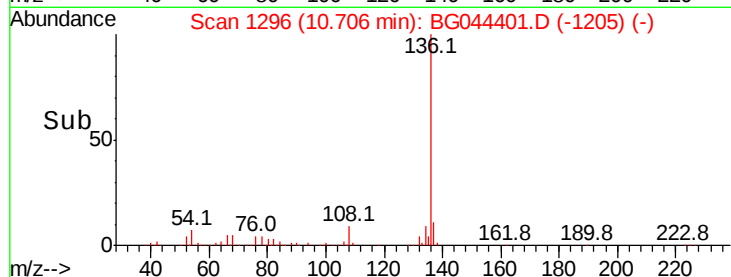
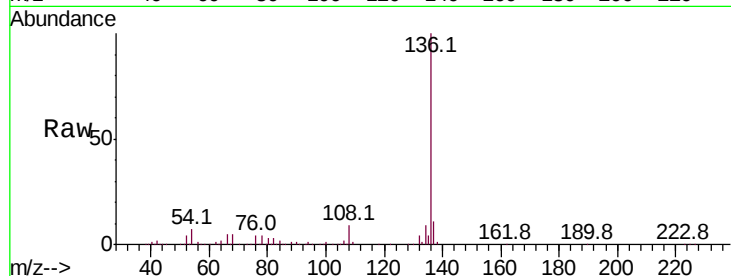
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.71 min Scan# 1296
Delta R.T. 0.00 min
Lab File: BG044401.D
Acq: 11 Feb 2020 23:09

Instrument :
BNA_G
ClientSampleId :
HAM-WC-S-SB-BCMS

Tot Ion	Ratio	Resp	Lower	Upper
136	100	296585		
137	10.9		8.8	13.2
54	7.5		5.8	8.8
68	5.1		4.6	6.8

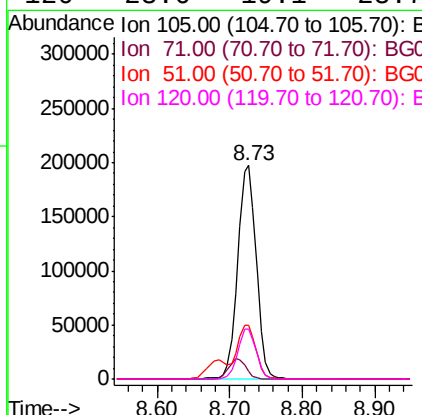
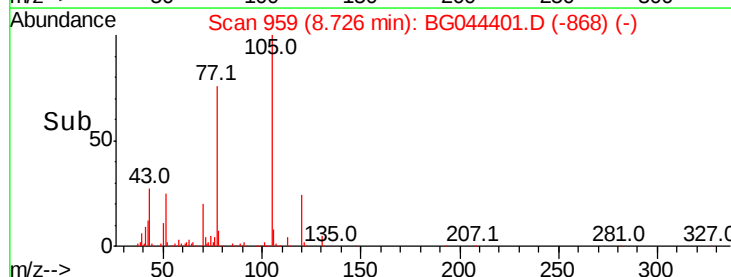
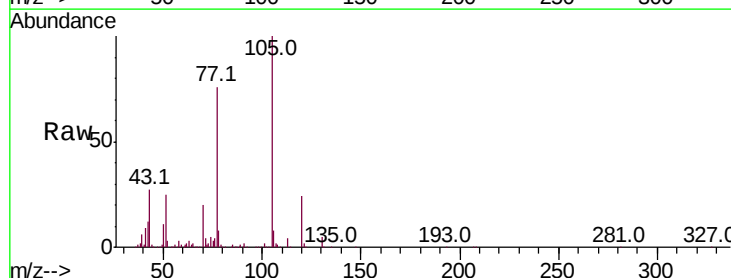
Manual Integrations
APPROVED

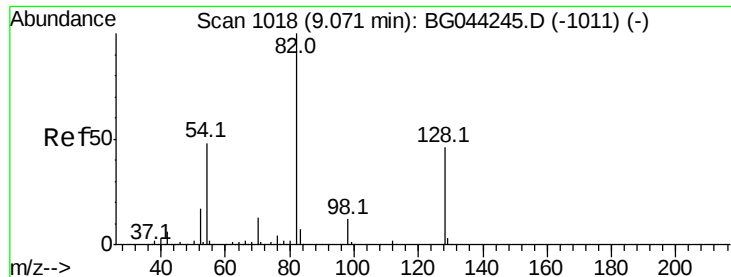
mohammad
2/13/2020 3:32:47 PM



#22
Acetophenone
Concen: 48.618 ng
RT: 8.73 min Scan# 959
Delta R.T. 0.00 min
Lab File: BG044401.D
Acq: 11 Feb 2020 23:09

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	350778		
71	3.6		3.4	5.0
51	25.3		20.2	30.4
120	23.6		19.1	28.7





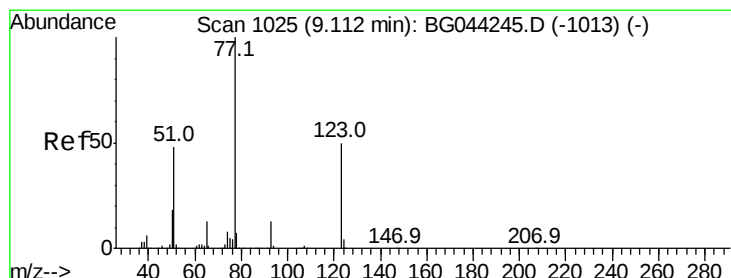
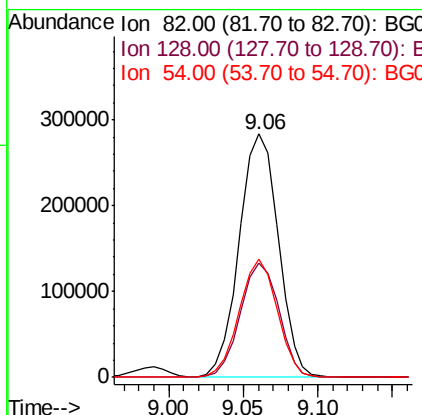
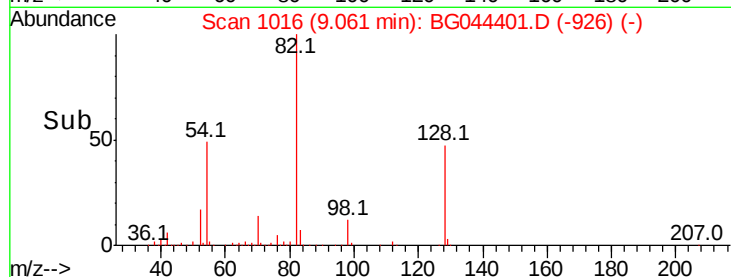
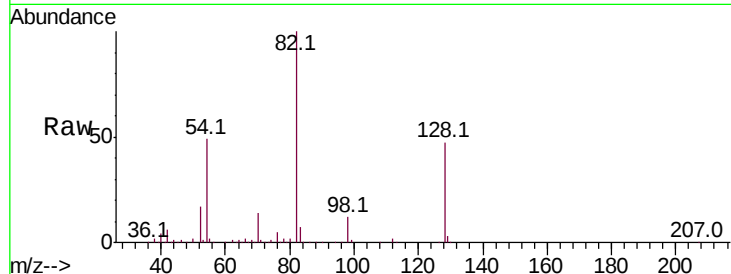
#23
Nitrobenzene-d5
Concen: 98.279 ng
RT: 9.06 min Scan# 1016
Delta R.T. -0.00 min
Lab File: BG044401.D
Acq: 11 Feb 2020 23:09

Instrument :
BNA_G
ClientSampleId :
HAM-WC-S-SB-BCMS

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.0	36.5	54.7
54	48.6	38.6	58.0

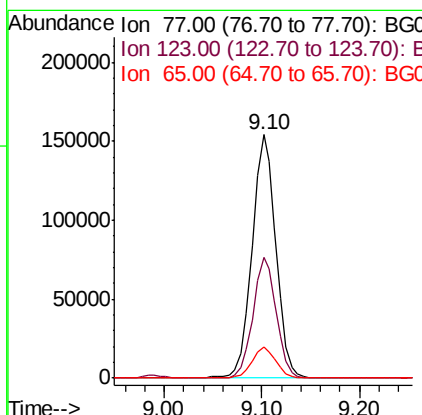
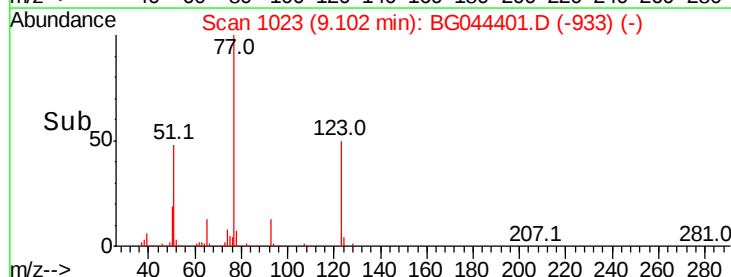
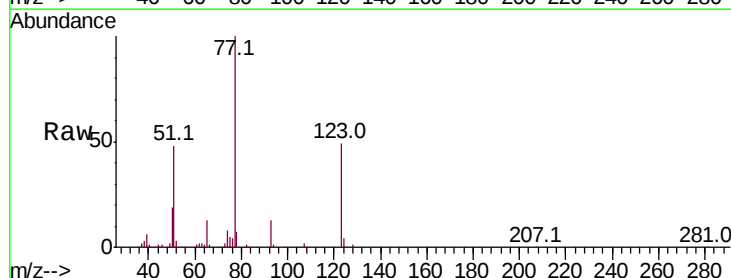
Manual Integrations
APPROVED

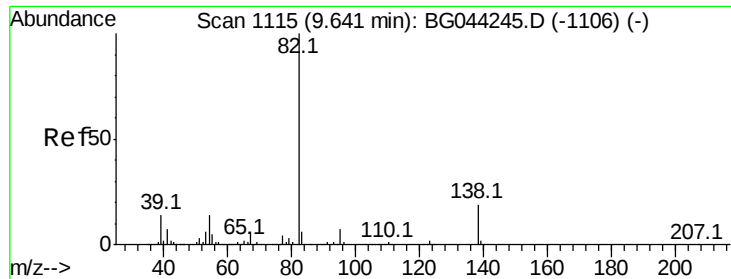
mohammad
2/13/2020 3:32:47 PM



#24
Nitrobenzene
Concen: 51.463 ng
RT: 9.10 min Scan# 1023
Delta R.T. -0.00 min
Lab File: BG044401.D
Acq: 11 Feb 2020 23:09

Tgt Ion	Ratio	Lower	Upper
77	100		
123	49.5	39.9	59.9
65	12.8	10.4	15.6





#25

Isophorone

Concen: 53.198 ng

RT: 9.63 min Scan# 1113

Delta R.T. -0.00 min

Lab File: BG044401.D

Acq: 11 Feb 2020 23:09

Instrument :

BNA_G

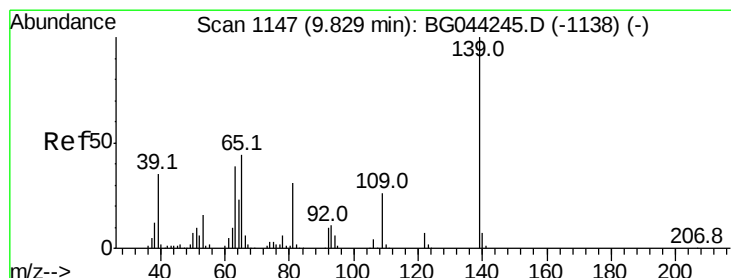
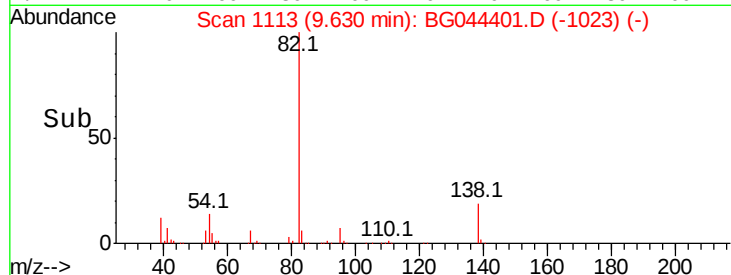
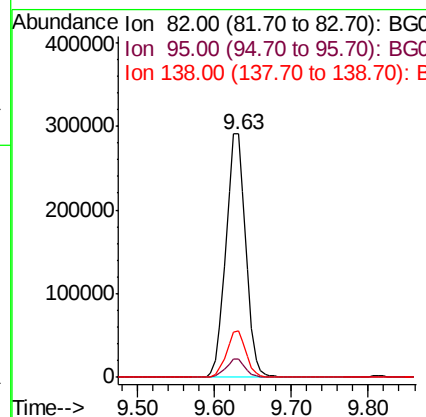
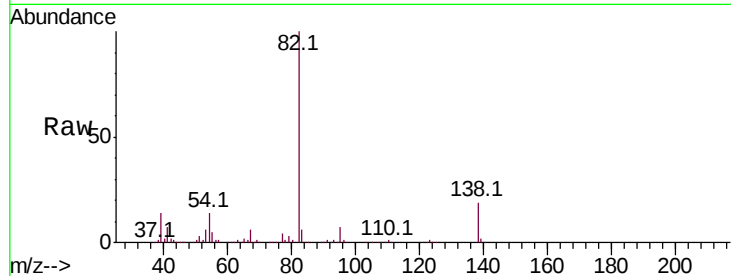
ClientSampleId :

HAM-WC-S-SB-BCMS

Tot Ion:	82	Resp:	520895
Ion Ratio	Lower	Upper	
82	100		
95	7.4	5.7	8.5
138	18.9	15.0	22.4

Manual Integrations
APPROVED

mohammad
2/13/2020 3:32:47 PM



#26

2-Nitrophenol

Concen: 53.772 ng

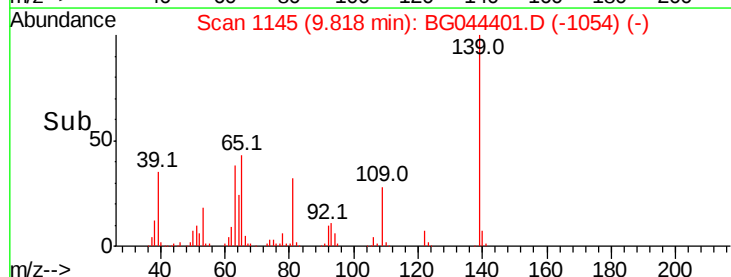
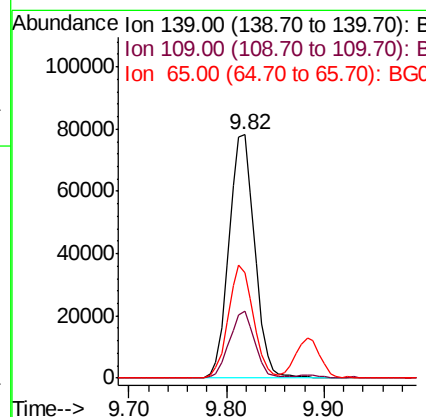
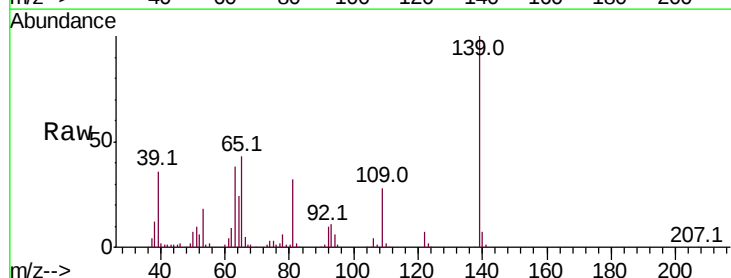
RT: 9.82 min Scan# 1145

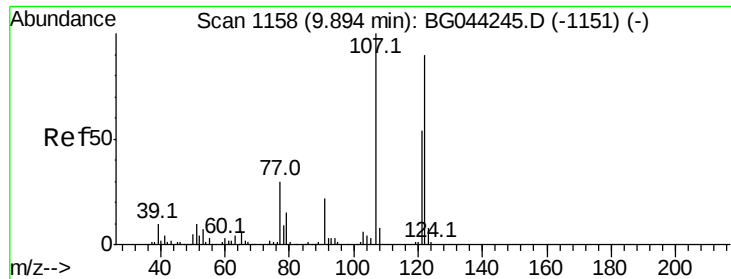
Delta R.T. 0.00 min

Lab File: BG044401.D

Acq: 11 Feb 2020 23:09

Tgt Ion:	139	Resp:	143095
Ion Ratio	Lower	Upper	
139	100		
109	27.6	21.0	31.4
65	43.2	35.0	52.4





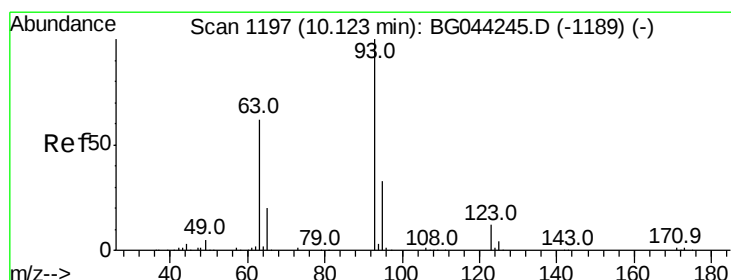
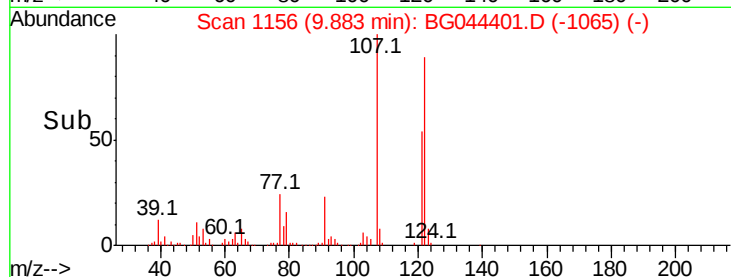
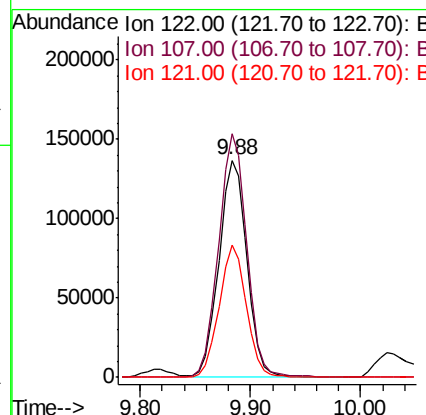
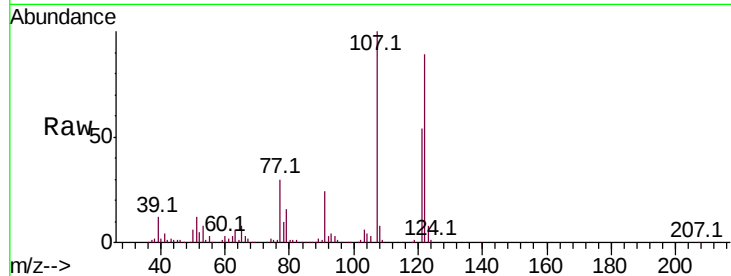
#27
2,4-Dimethylphenol
Concen: 63.275 ng
RT: 9.88 min Scan# 1156
Delta R.T. 0.00 min
Lab File: BG044401.D
Acq: 11 Feb 2020 23:09

Instrument :
BNA_G
ClientSampleId :
HAM-WC-S-SB-BCMS

Tot Ion	Ratio	Lower	Upper
122	100		
107	112.1	88.8	133.2
121	60.7	48.3	72.5

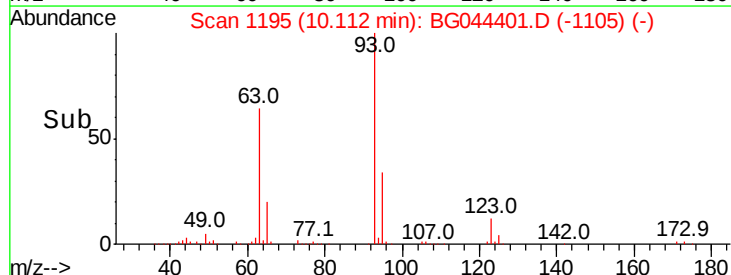
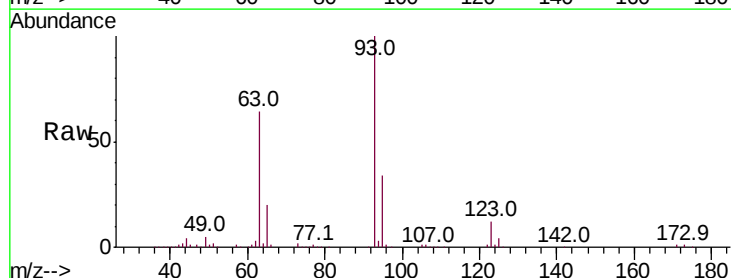
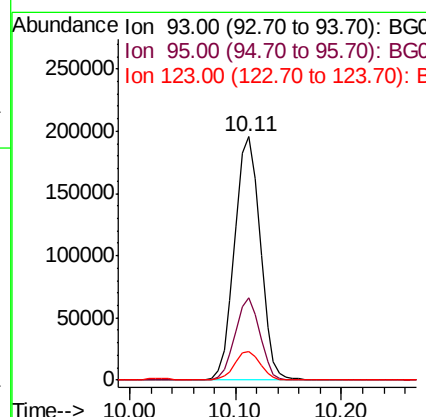
Manual Integrations
APPROVED

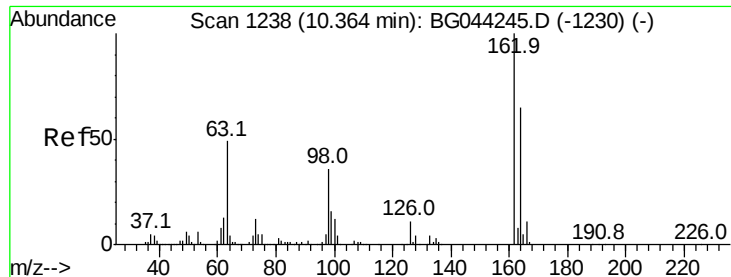
mohammad
2/13/2020 3:32:47 PM



#28
bis(2-Chloroethoxy)methane
Concen: 50.226 ng
RT: 10.11 min Scan# 1195
Delta R.T. -0.00 min
Lab File: BG044401.D
Acq: 11 Feb 2020 23:09

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.8	26.6	40.0
123	11.6	10.0	15.0





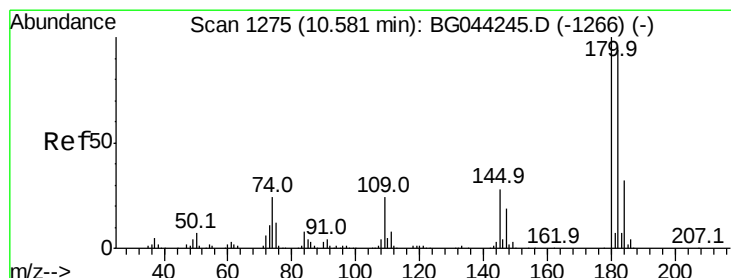
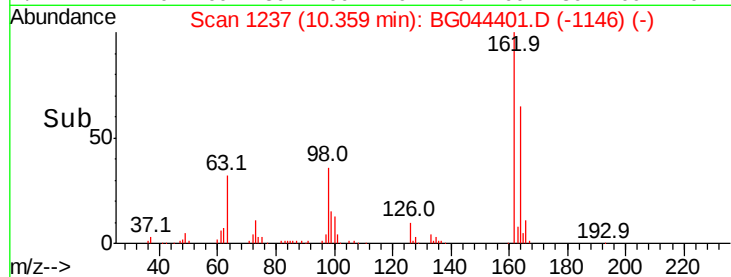
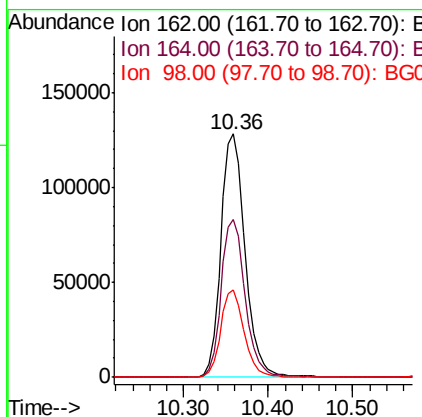
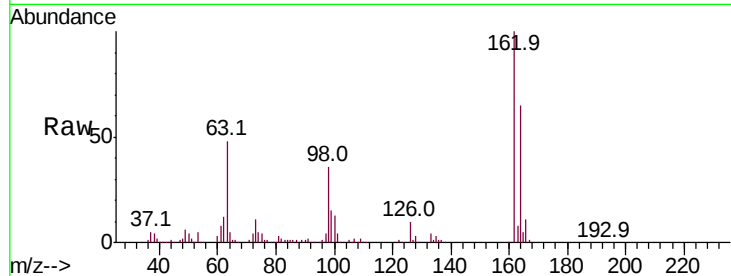
#29
 2,4-Dichlorophenol
 Concen: 56.079 ng
 RT: 10.36 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: BG044401.D
 Acq: 11 Feb 2020 23:09

Instrument :
 BNA_G
 ClientSampleId :
 HAM-WC-S-SB-BCMS

Tot Ion	Ratio	Resp	Lower	Upper
162	100	254725		
164	64.8	44.7	84.7	
98	36.1	15.8	55.8	

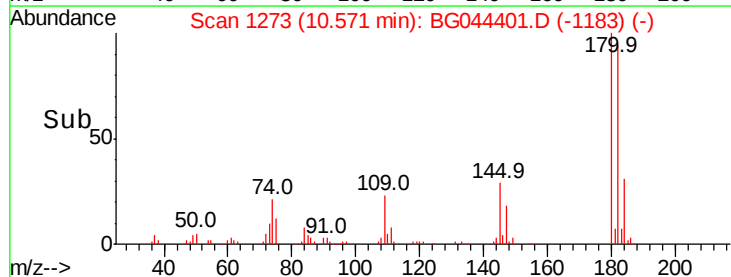
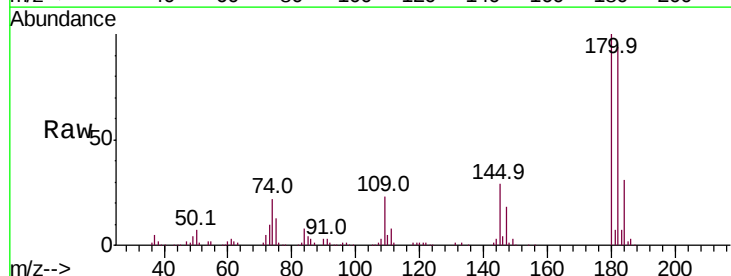
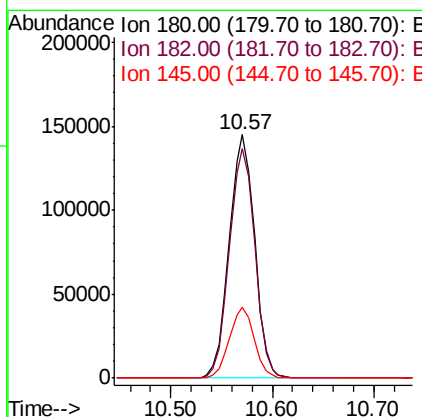
Manual Integrations
 APPROVED

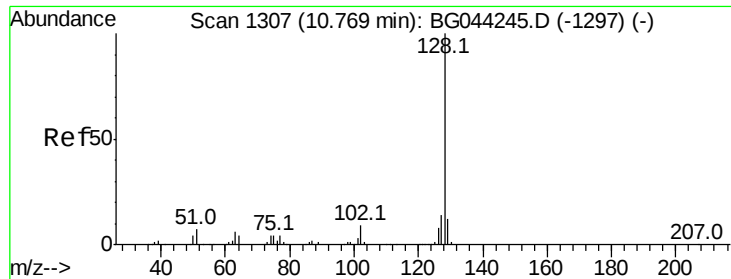
mohammad
 2/13/2020 3:32:47 PM



#30
 1,2,4-Trichlorobenzene
 Concen: 48.296 ng
 RT: 10.57 min Scan# 1273
 Delta R.T. -0.00 min
 Lab File: BG044401.D
 Acq: 11 Feb 2020 23:09

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	251542		
182	94.1	75.5	113.3	
145	29.0	22.6	34.0	





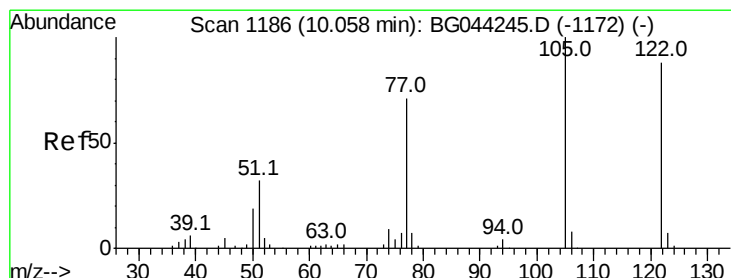
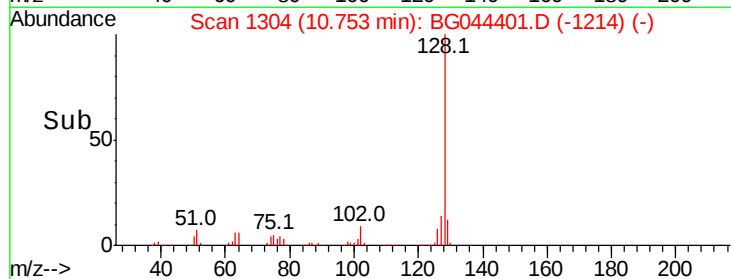
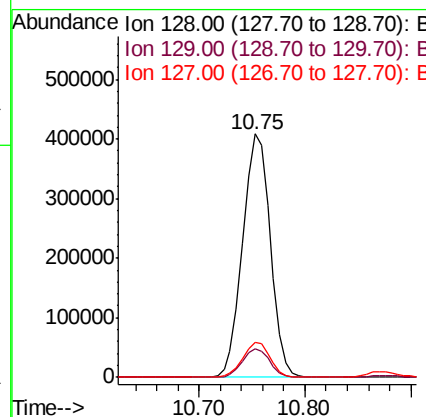
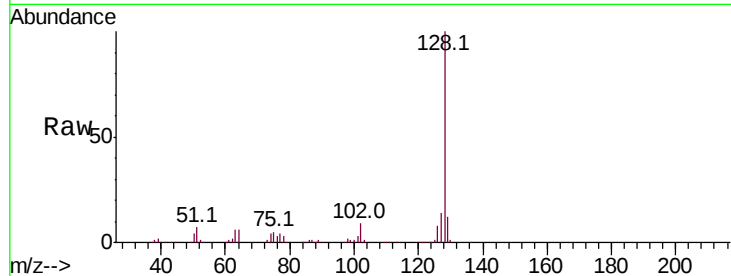
#31
Naphthalene
Concen: 51.448 ng
RT: 10.75 min Scan# 1304
Delta R.T. -0.00 min
Lab File: BG044401.D
Acq: 11 Feb 2020 23:09

Instrument :
BNA_G
ClientSampleId :
HAM-WC-S-SB-BCMS

Tot Ion	Ratio	Resp	Lower	Upper
128	100	740311		
129	11.8	9.3	13.9	
127	14.1	11.6	17.4	

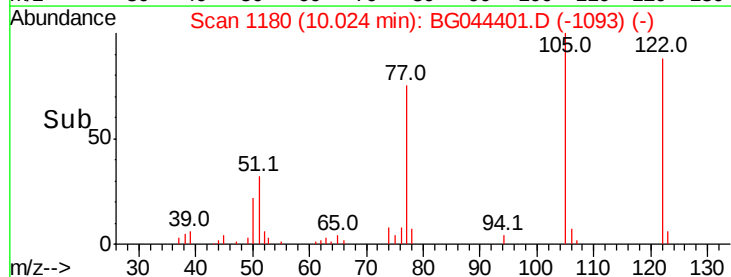
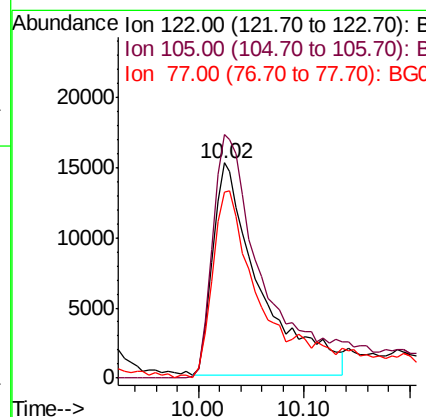
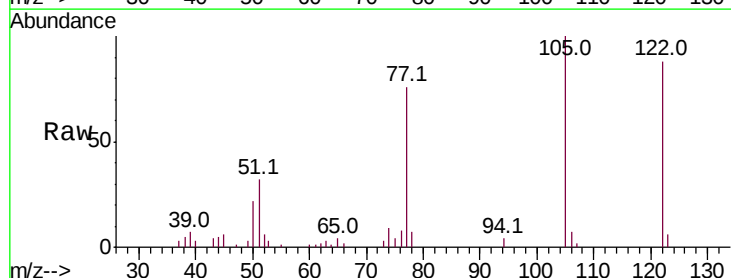
Manual Integrations
APPROVED

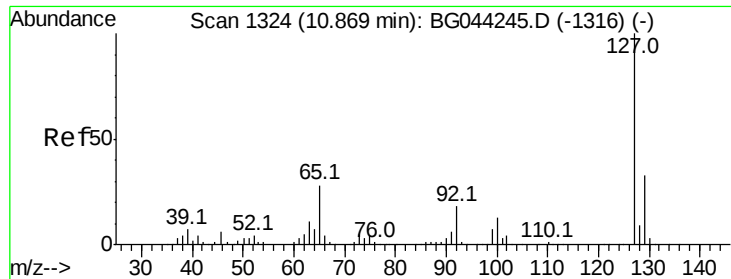
mohammad
2/13/2020 3:32:47 PM



#32
Benzoic acid
Concen: 27.623 ng
RT: 10.02 min Scan# 1180
Delta R.T. -0.02 min
Lab File: BG044401.D
Acq: 11 Feb 2020 23:09

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	47229		
105	113.2	93.5	133.5	
77	86.3	61.0	101.0	





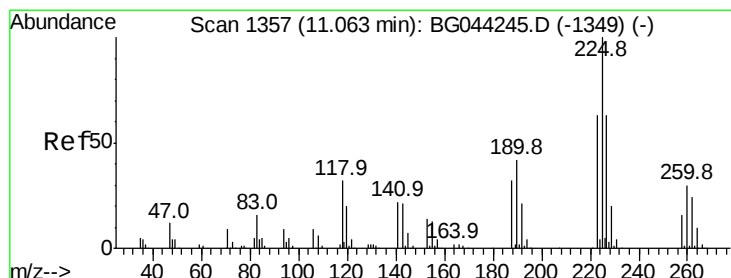
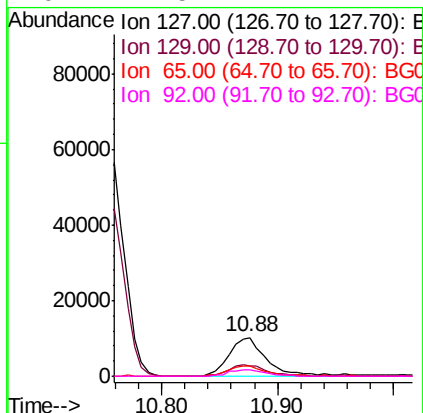
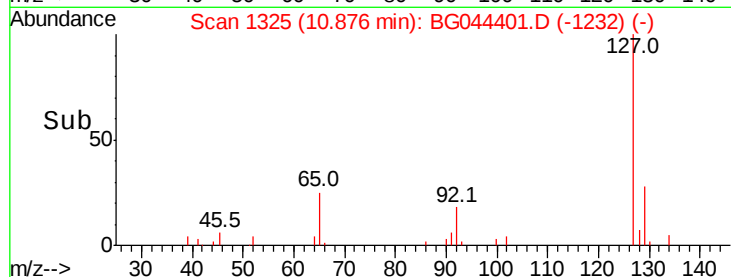
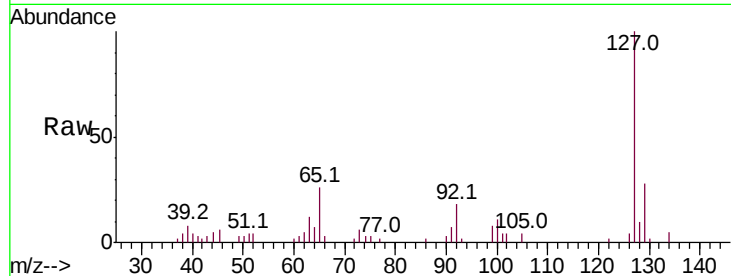
#33
4-Chloroaniline
Concen: 3.475 ng
RT: 10.88 min Scan# 1325
Delta R.T. 0.02 min
Lab File: BG044401.D
Acq: 11 Feb 2020 23:09

Instrument :
BNA_G
ClientSampleId :
HAM-WC-S-SB-BCMS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	28.0	26.6	40.0		
65	26.5	22.5	33.7		
92	17.5	14.1	21.1		

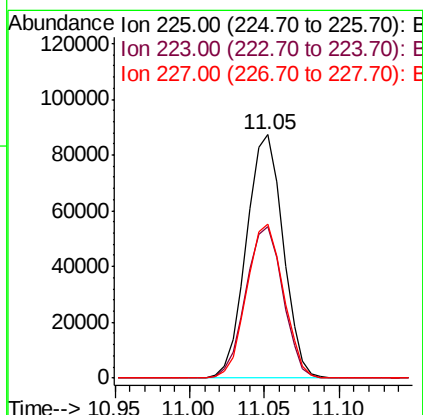
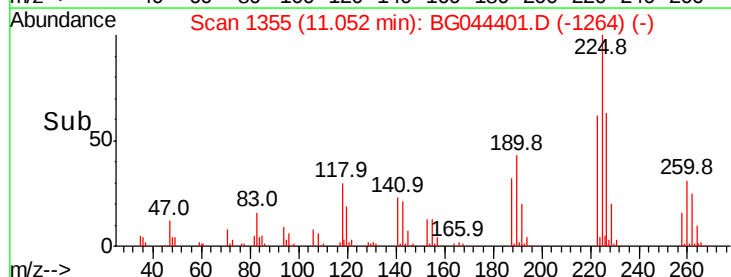
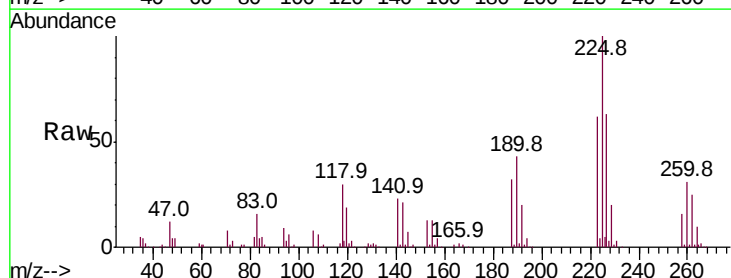
Manual Integrations
APPROVED

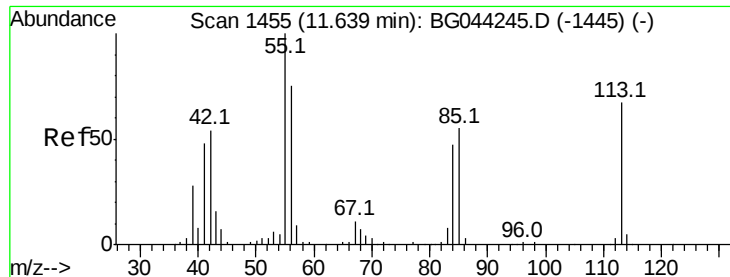
mohammad
2/13/2020 3:32:47 PM



#34
Hexachlorobutadiene
Concen: 46.298 ng
RT: 11.05 min Scan# 1355
Delta R.T. 0.00 min
Lab File: BG044401.D
Acq: 11 Feb 2020 23:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	62.2	50.2	75.4		
227	63.1	50.8	76.2		





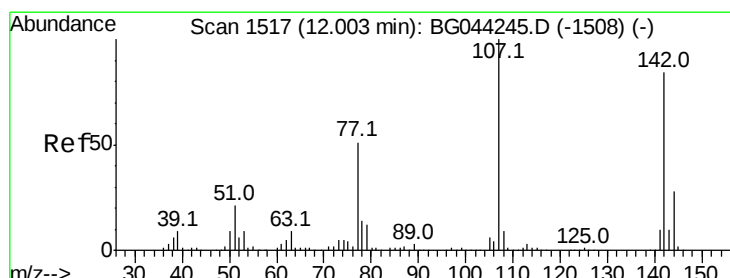
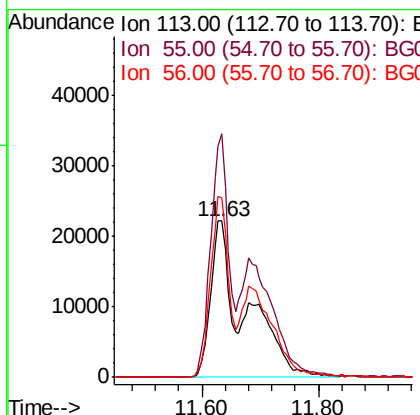
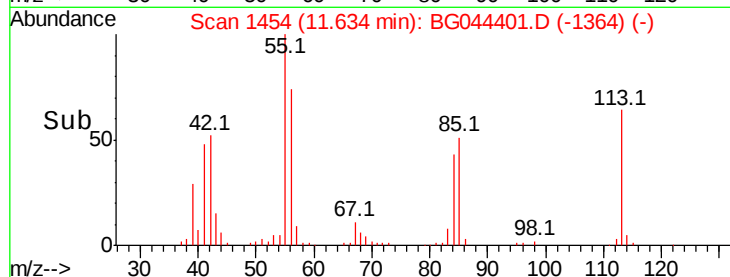
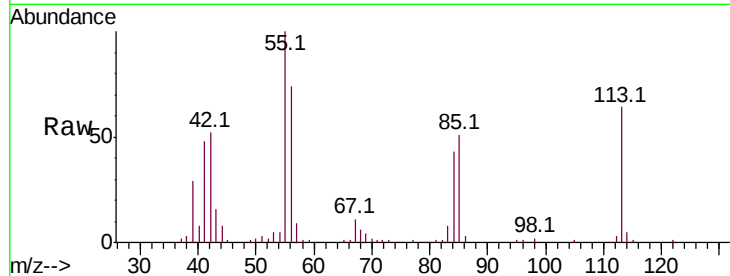
#35
Caprolactam
Concen: 54.163 ng/ml
RT: 11.63 min Scan# 1454
Delta R.T. -0.00 min
Lab File: BG044401.D
Acq: 11 Feb 2020 23:09

Instrument :
BNA_G
ClientSampleId :
HAM-WC-S-SB-BCMS

Tot Ion:113 Resp: 90123
Ion Ratio Lower Upper
113 100
55 155.7 129.9 169.9
56 115.2 92.5 132.5

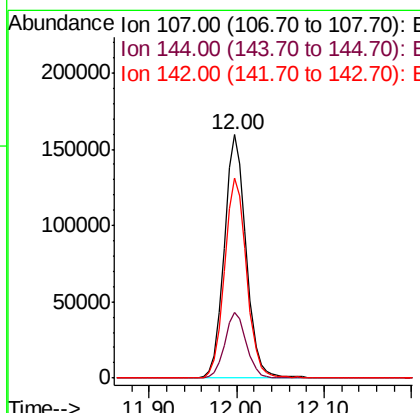
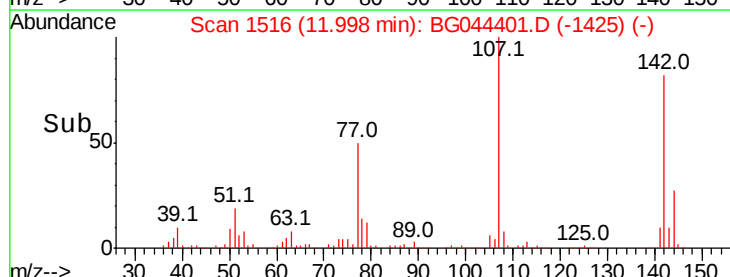
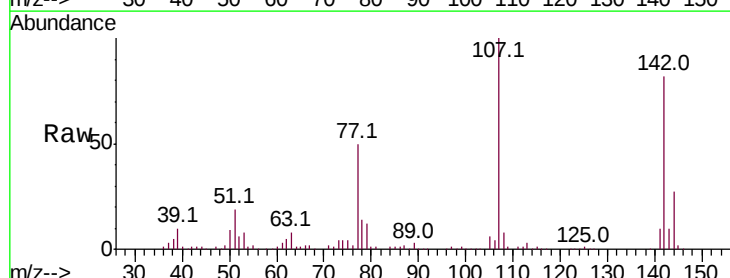
Manual Integrations
APPROVED

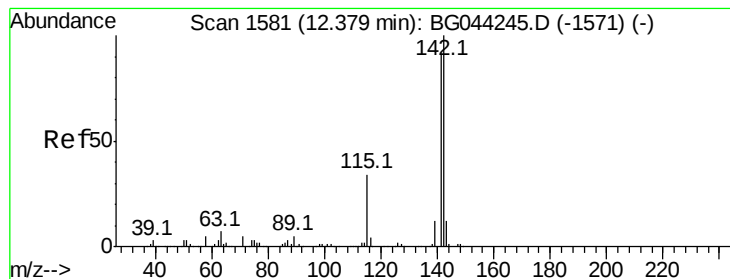
mohammad
2/13/2020 3:32:47 PM



#36
4-Chloro-3-methylphenol
Concen: 57.673 ng/ml
RT: 12.00 min Scan# 1516
Delta R.T. 0.00 min
Lab File: BG044401.D
Acq: 11 Feb 2020 23:09

Tgt Ion:107 Resp: 274660
Ion Ratio Lower Upper
107 100
144 27.2 22.2 33.4
142 82.4 67.4 101.0





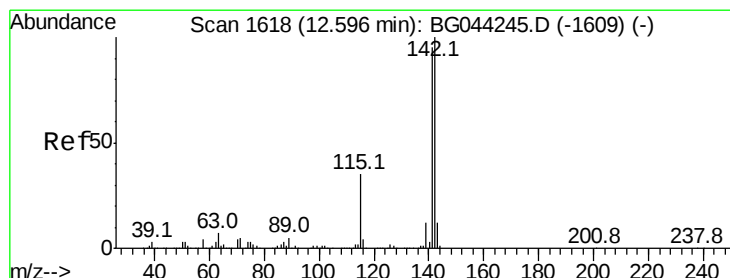
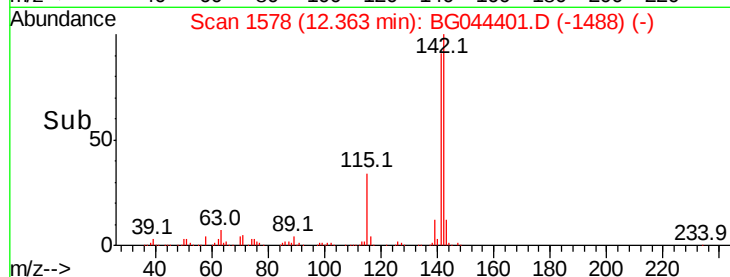
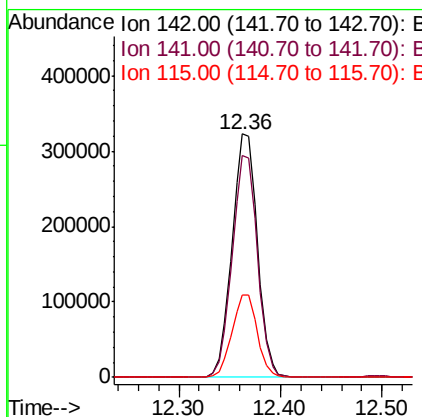
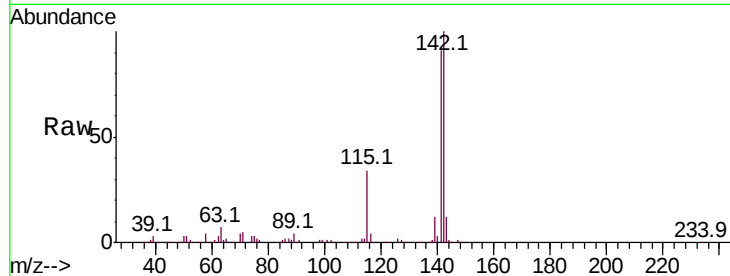
#37
 2-Methylnaphthalene
 Concen: 52.380 ng
 RT: 12.36 min Scan# 1578
 Delta R.T. -0.00 min
 Lab File: BG044401.D
 Acq: 11 Feb 2020 23:09

Instrument :
 BNA_G
 ClientSampleId :
 HAM-WC-S-SB-BCMS

Tot Ion	Ratio	Lower	Upper
142	100		
141	91.3	73.2	109.8
115	33.7	27.1	40.7

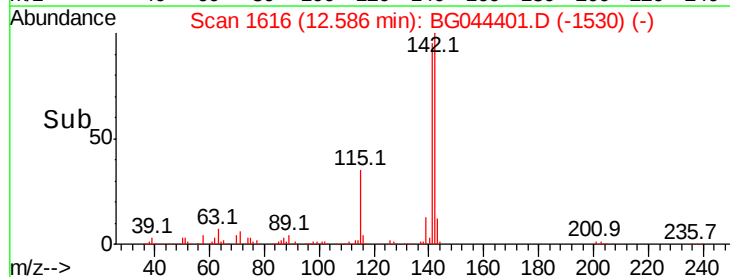
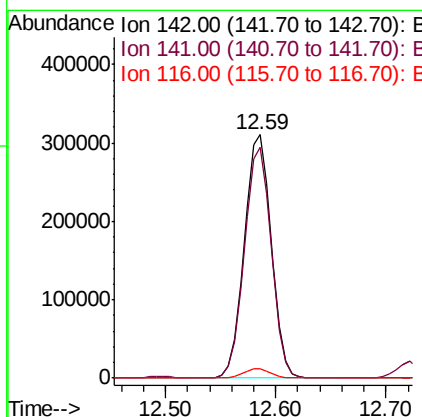
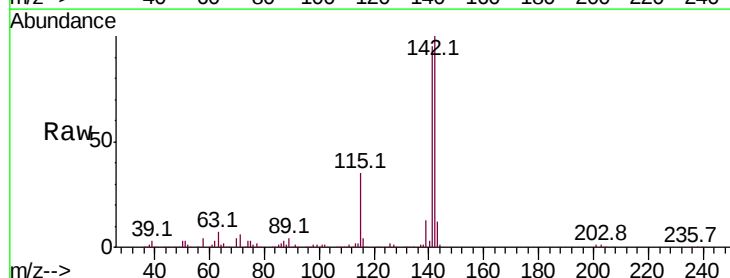
Manual Integrations
 APPROVED

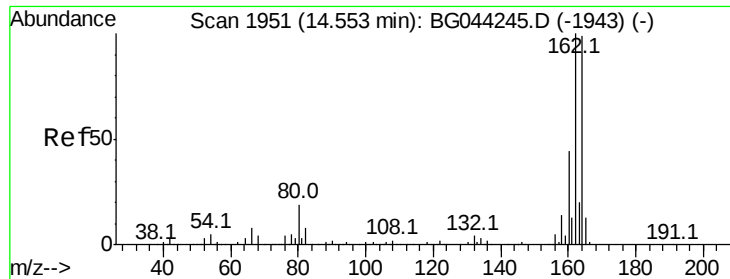
mohammad
 2/13/2020 3:32:47 PM



#38
 1-Methylnaphthalene
 Concen: 52.896 ng
 RT: 12.59 min Scan# 1616
 Delta R.T. 0.00 min
 Lab File: BG044401.D
 Acq: 11 Feb 2020 23:09

Tgt Ion	Ratio	Lower	Upper
142	100		
141	95.1	75.8	113.6
116	3.8	3.1	4.7





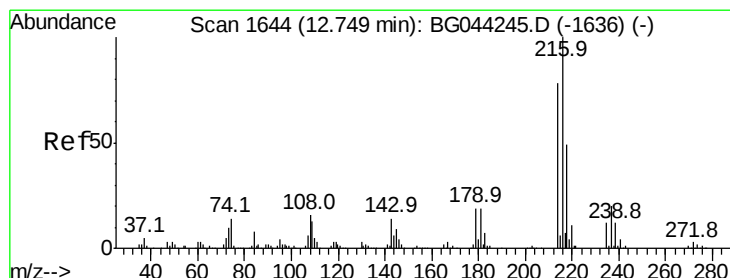
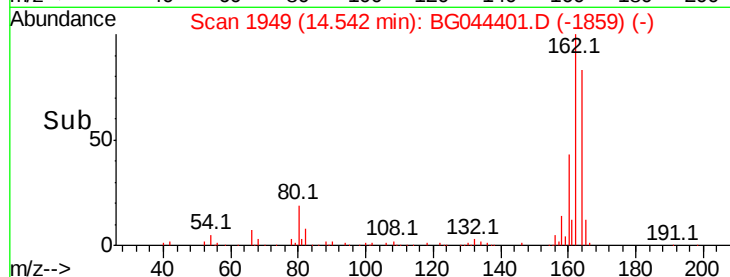
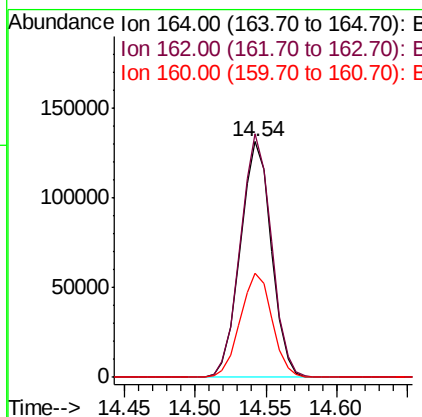
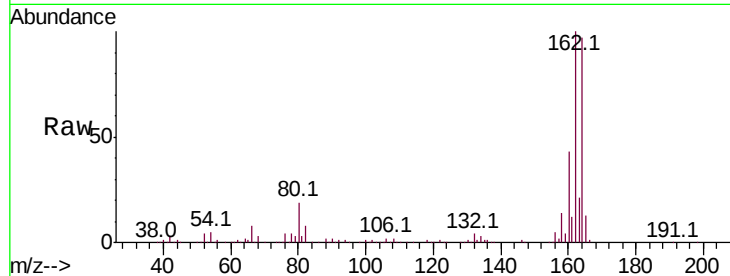
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.54 min Scan# 1949
Delta R.T. -0.00 min
Lab File: BG044401.D
Acq: 11 Feb 2020 23:09

Instrument :
BNA_G
ClientSampleId :
HAM-WC-S-SB-BCMS

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.5	80.7	121.1
160	44.4	35.3	52.9

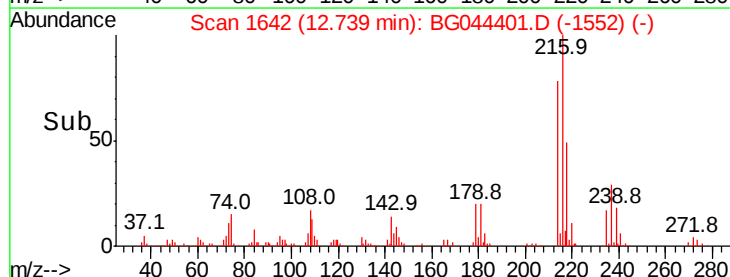
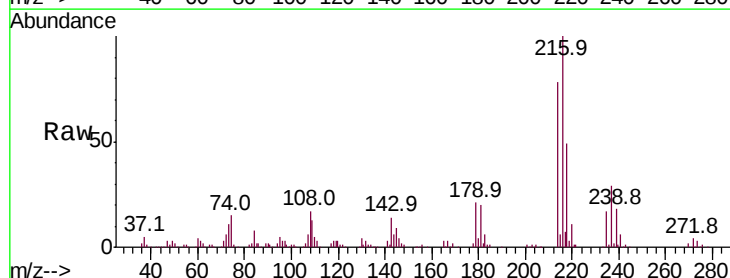
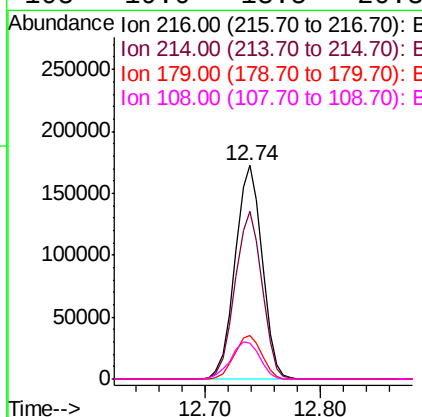
Manual Integrations
APPROVED

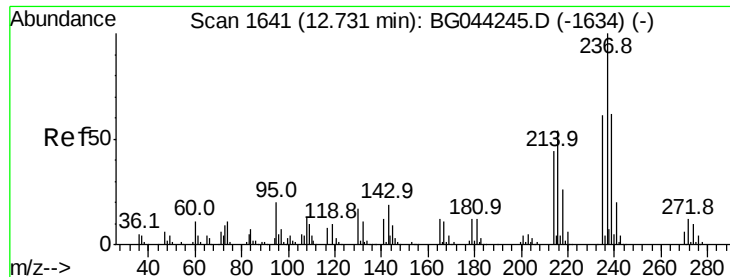
mohammad
2/13/2020 3:32:47 PM



#40
1,2,4,5-Tetrachlorobenzene
Concen: 46.353 ng
RT: 12.74 min Scan# 1642
Delta R.T. -0.00 min
Lab File: BG044401.D
Acq: 11 Feb 2020 23:09

Tgt Ion	Ratio	Lower	Upper
216	100		
214	78.5	63.0	94.6
179	20.8	16.2	24.4
108	19.0	13.5	20.3





#41

Hexachlorocyclopentadiene

Concen: 92.582 ng

RT: 12.72 min Scan# 1639

Delta R.T. -0.00 min

Lab File: BG044401.D

Acq: 11 Feb 2020 23:09

Instrument :

BNA_G

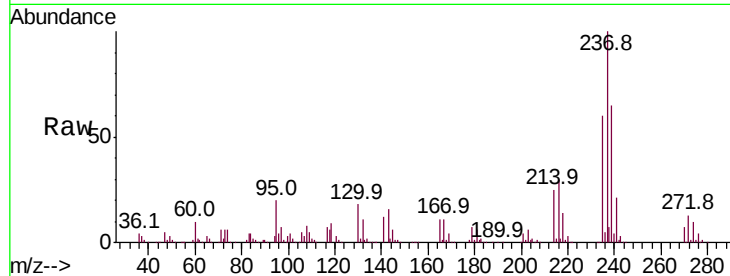
ClientSampleId :

HAM-WC-S-SB-BCMS

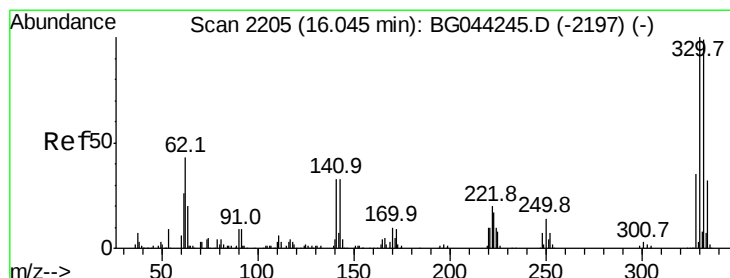
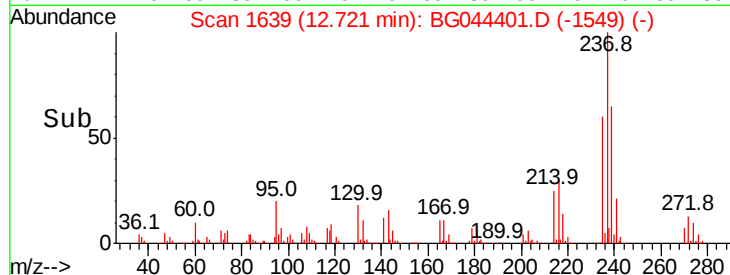
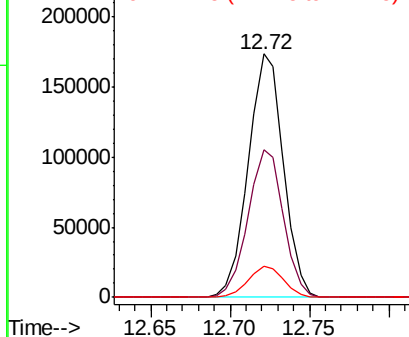
Tot Ion:	237	Resp:	267678
Ion Ratio	Lower	Upper	
237	100		
235	60.4	41.2	81.2
272	12.6	0.0	32.4

Manual Integrations
APPROVED

mohammad
2/13/2020 3:32:47 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: 159.022 ng

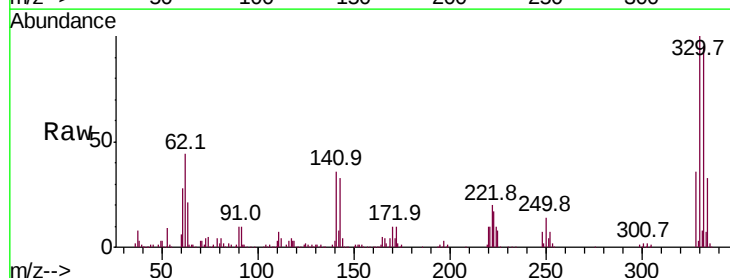
RT: 16.03 min Scan# 2203

Delta R.T. 0.00 min

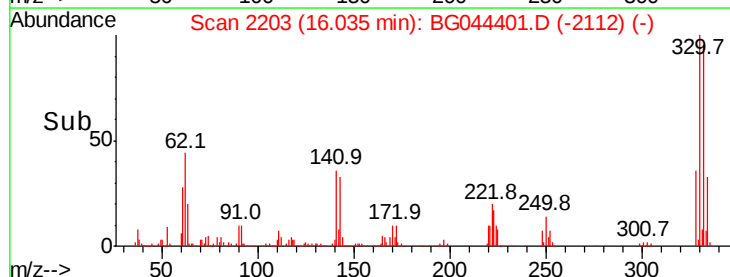
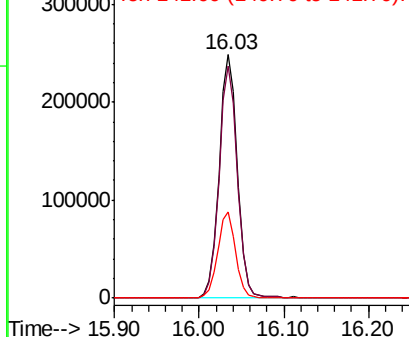
Lab File: BG044401.D

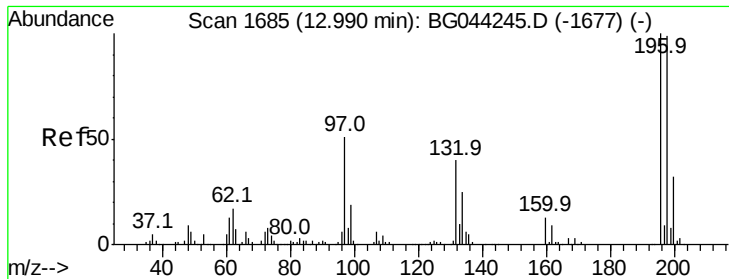
Acq: 11 Feb 2020 23:09

Tgt Ion:	330	Resp:	376045
Ion Ratio	Lower	Upper	
330	100		
332	95.0	77.2	115.8
141	35.0	28.3	42.5



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





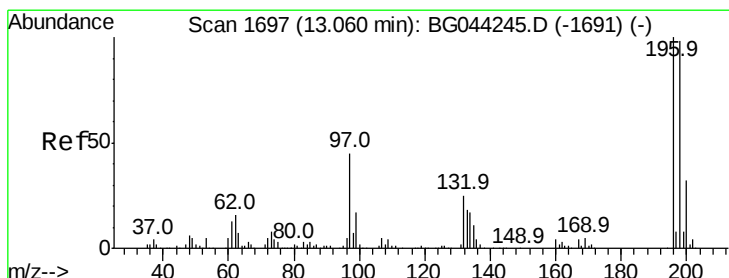
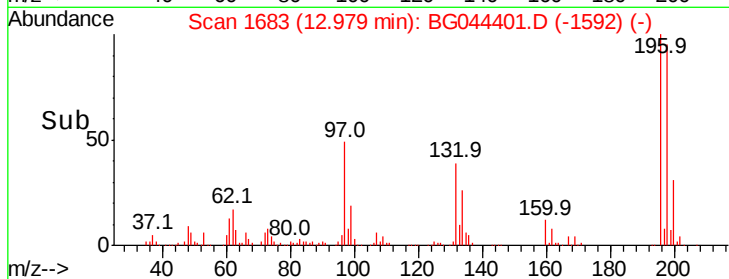
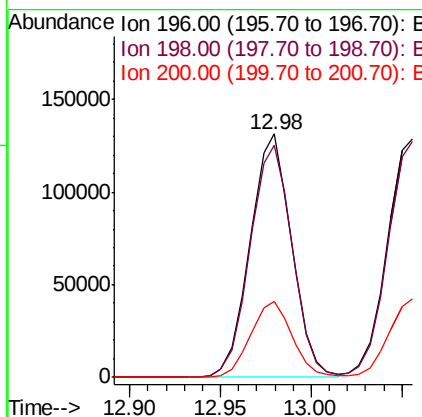
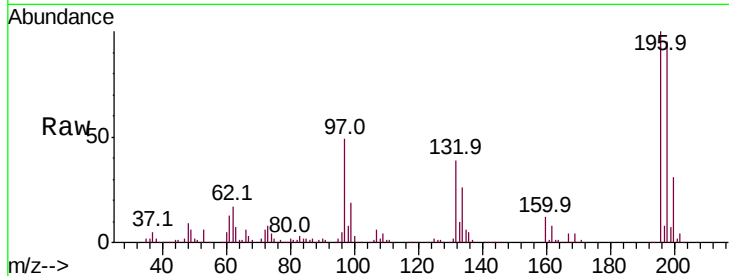
#43
 2,4,6-Trichlorophenol
 Concen: 53.756 ng
 RT: 12.98 min Scan# 1683
 Delta R.T. 0.00 min
 Lab File: BG044401.D
 Acq: 11 Feb 2020 23:09

Instrument :
 BNA_G
 ClientSampleId :
 HAM-WC-S-SB-BCMS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	209369		
198	95.3	79.3	118.9	
200	31.0	25.7	38.5	

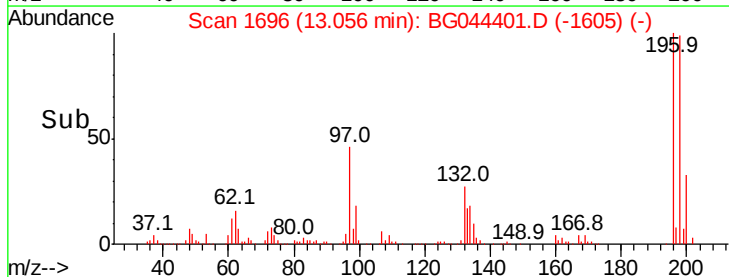
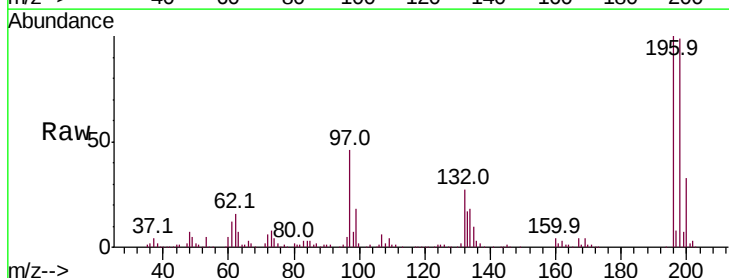
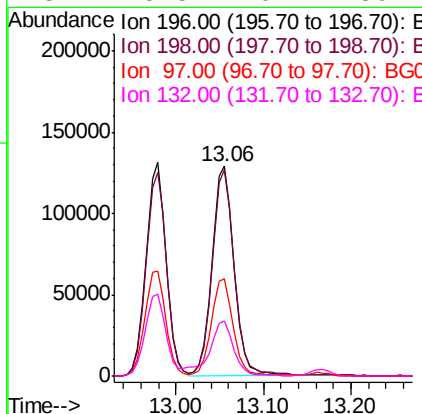
Manual Integrations
 APPROVED

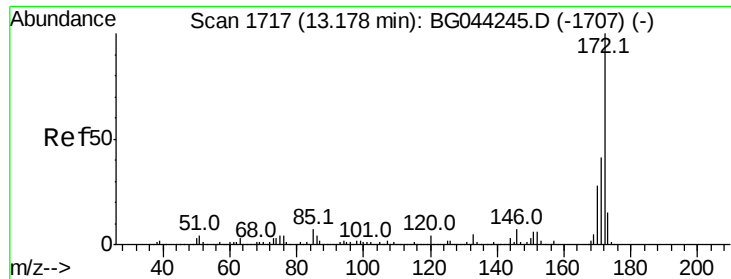
mohammad
 2/13/2020 3:32:47 PM



#44
 2,4,5-Trichlorophenol
 Concen: 56.773 ng
 RT: 13.06 min Scan# 1696
 Delta R.T. 0.00 min
 Lab File: BG044401.D
 Acq: 11 Feb 2020 23:09

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	225852		
198	98.5	78.2	117.2	
97	46.4	36.2	54.4	
132	26.5	20.2	30.4	





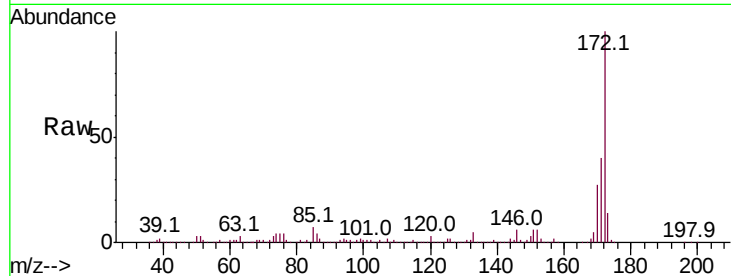
#45
2-Fluorobiphenyl
Concen: 97.917 ng
RT: 13.17 min Scan# 1715
Delta R.T. 0.00 min
Lab File: BG044401.D
Acq: 11 Feb 2020 23:09

Instrument :
BNA_G
ClientSampleId :
HAM-WC-S-SB-BCMS

Tot Ion	Ratio	Lower	Upper
172	100		
171	40.0	32.9	49.3
170	26.9	22.0	33.0

Manual Integrations
APPROVED

mohammad
2/13/2020 3:32:47 PM

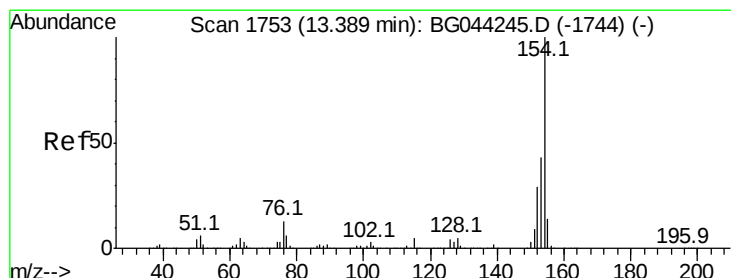
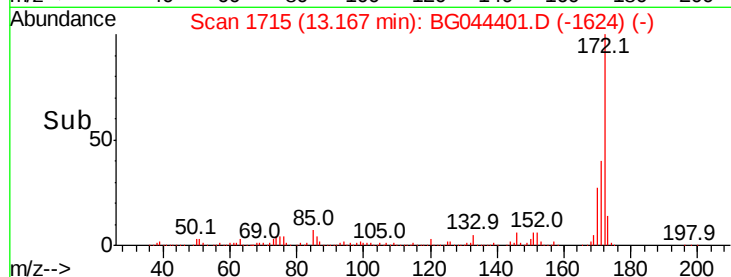
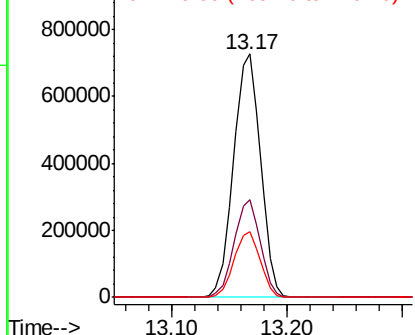


Abundance

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: 49.511 ng
RT: 13.37 min Scan# 1750
Delta R.T. -0.00 min
Lab File: BG044401.D
Acq: 11 Feb 2020 23:09

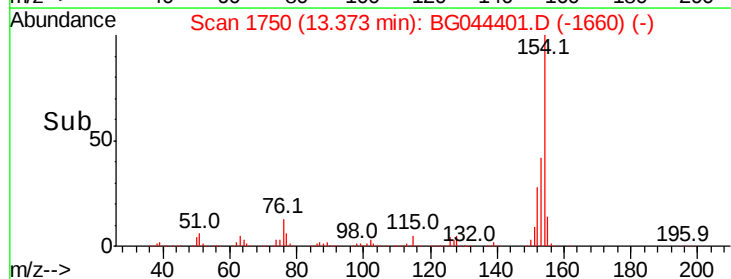
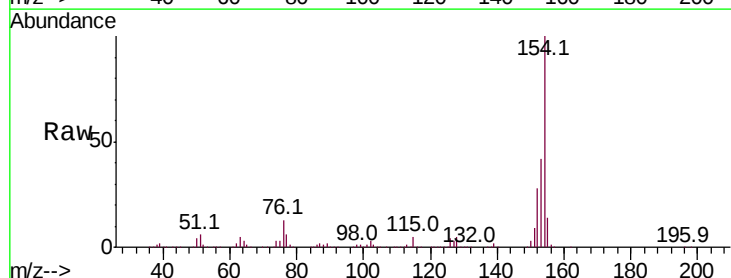
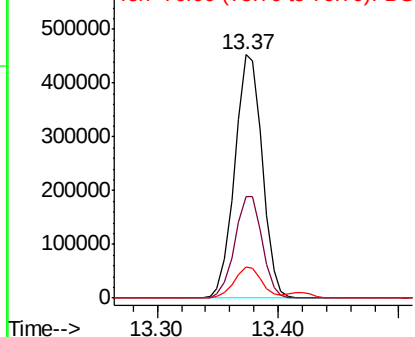
Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.8	22.7	62.7
76	12.7	0.0	32.9

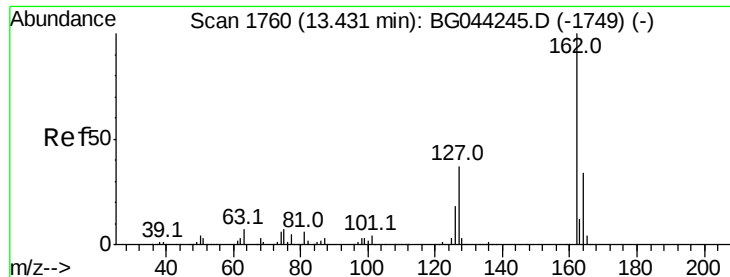
Abundance

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): BG





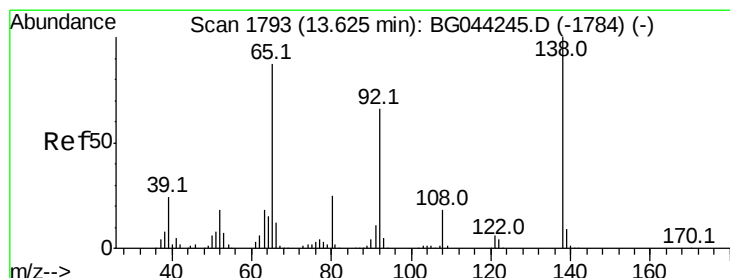
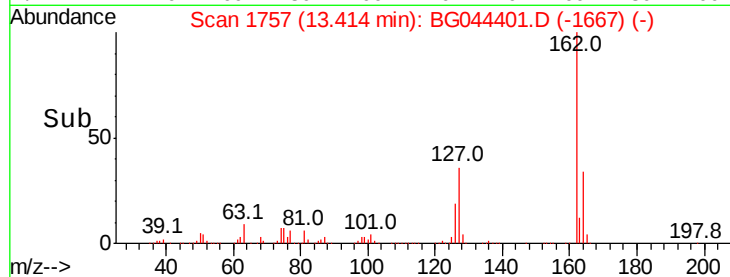
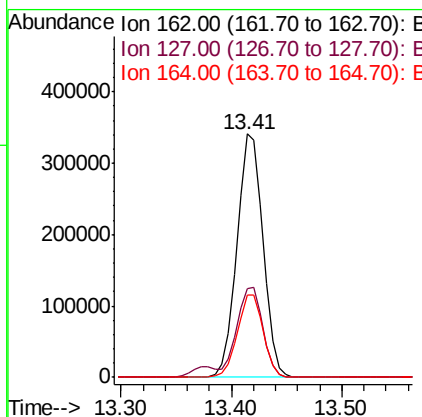
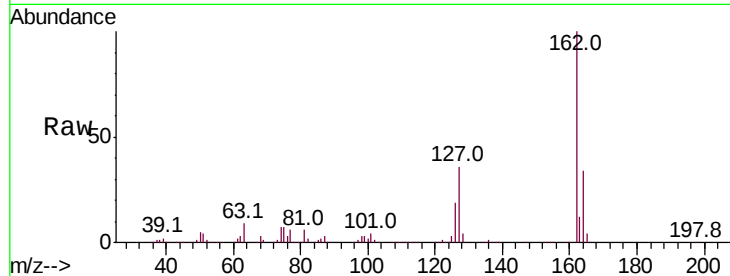
#47
2-Chloronaphthalene
Concen: 48.864 ng
RT: 13.41 min Scan# 1757
Delta R.T. -0.00 min
Lab File: BG044401.D
Acq: 11 Feb 2020 23:09

Instrument :
BNA_G
ClientSampleId :
HAM-WC-S-SB-BCMS

Tot Ion	Ratio	Resp	Lower	Upper
162	100			
127	36.3	30.0	45.0	
164	33.8	27.2	40.8	

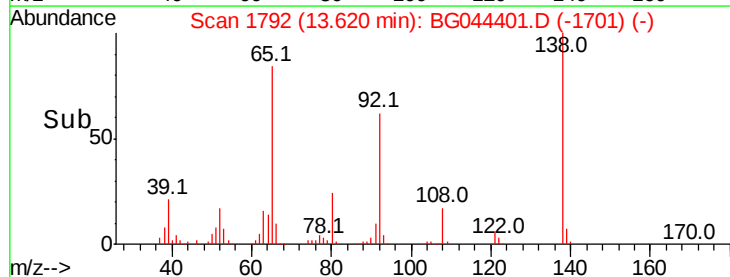
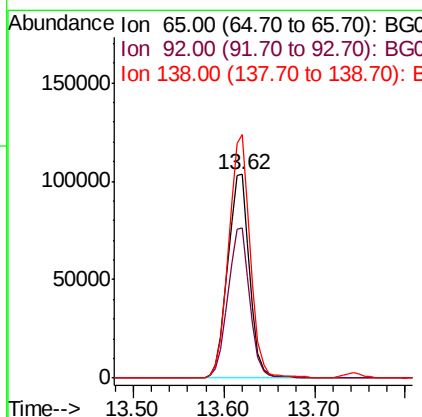
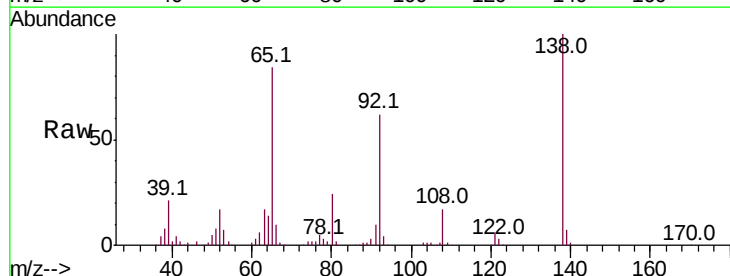
Manual Integrations
APPROVED

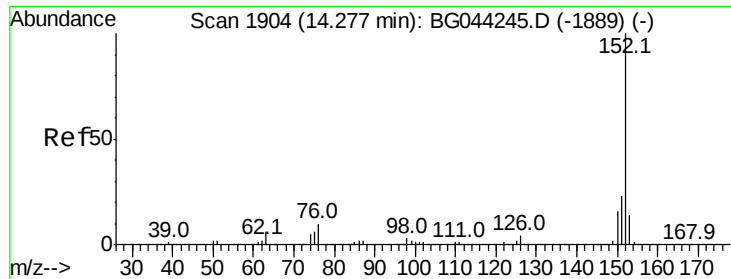
mohammad
2/13/2020 3:32:47 PM



#48
2-Nitroaniline
Concen: 50.967 ng
RT: 13.62 min Scan# 1792
Delta R.T. 0.00 min
Lab File: BG044401.D
Acq: 11 Feb 2020 23:09

Tgt Ion	Ratio	Resp	Lower	Upper
65	100			
92	73.5	60.3	90.5	
138	119.5	91.9	137.9	





#49

Acenaphthylene

Concen: 53.163 ng

RT: 14.27 min Scan# 1902

Delta R.T. 0.00 min

Lab File: BG044401.D

Acq: 11 Feb 2020 23:09

Instrument :

BNA_G

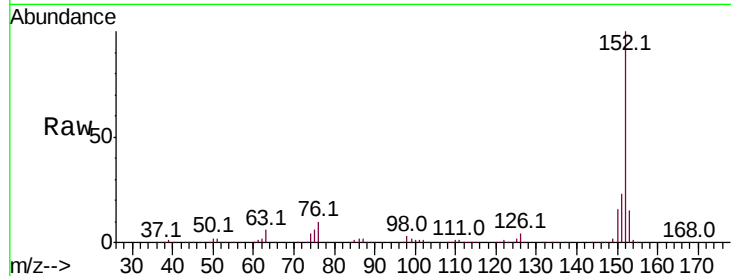
ClientSampleId :

HAM-WC-S-SB-BCMS

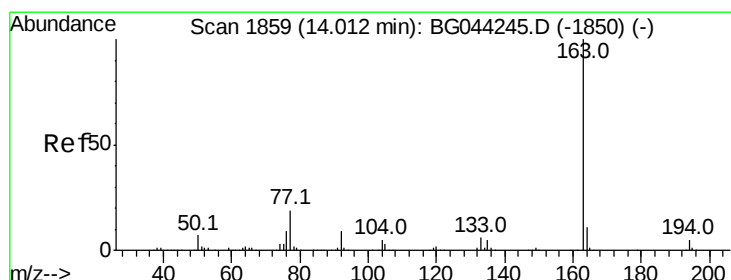
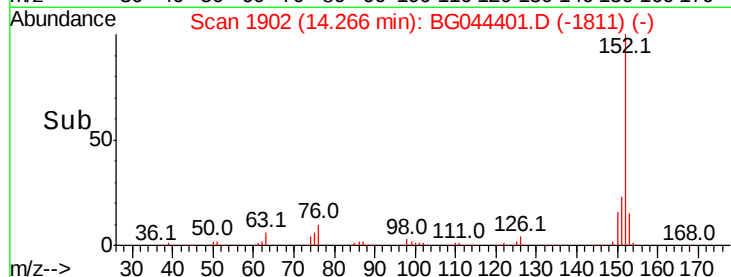
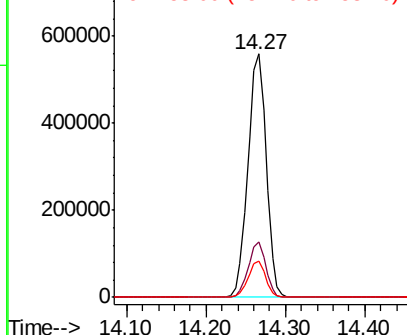
Tot Ion:	152	Resp:	901562
Ion Ratio	Lower	Upper	
152	100		
151	22.7	18.1	27.1
153	14.8	11.5	17.3

Manual Integrations
APPROVED

mohammad
2/13/2020 3:32:47 PM



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: 53.407 ng

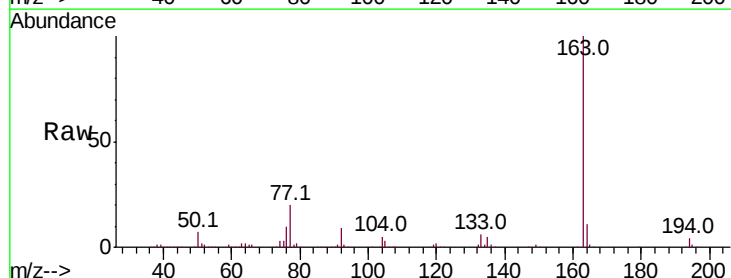
RT: 14.00 min Scan# 1857

Delta R.T. 0.00 min

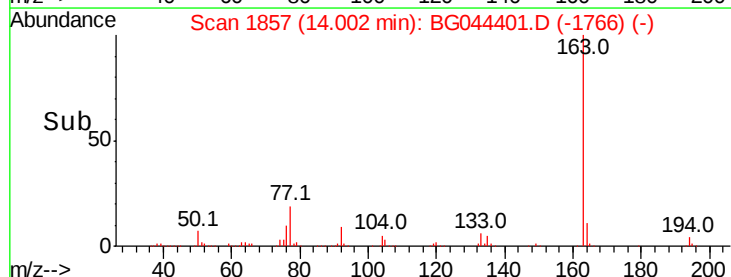
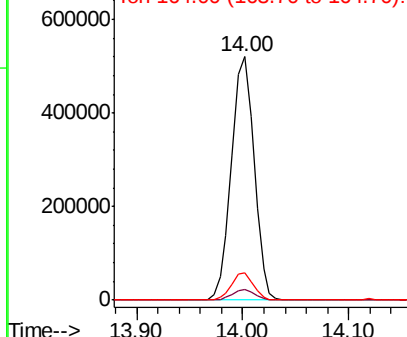
Lab File: BG044401.D

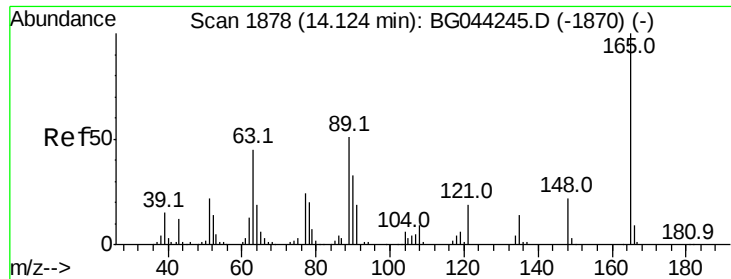
Acq: 11 Feb 2020 23:09

Tgt Ion:	163	Resp:	773324
Ion Ratio	Lower	Upper	
163	100		
194	4.3	3.6	5.4
164	11.2	8.7	13.1



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





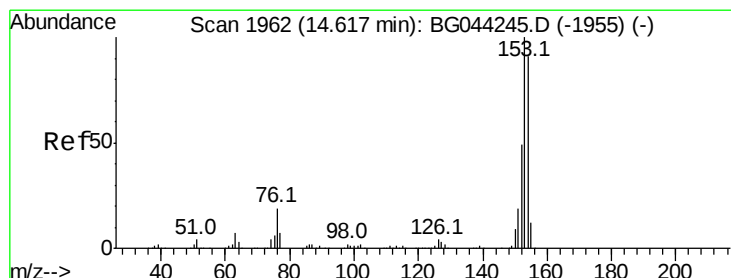
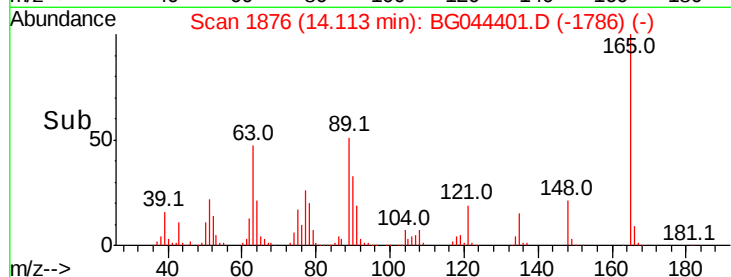
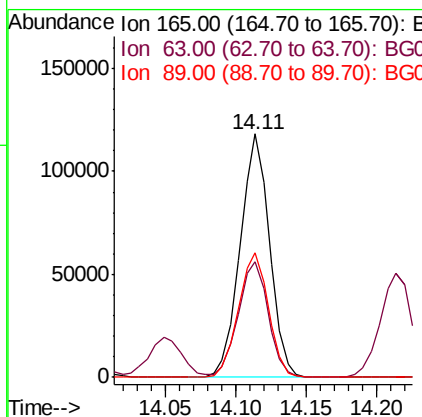
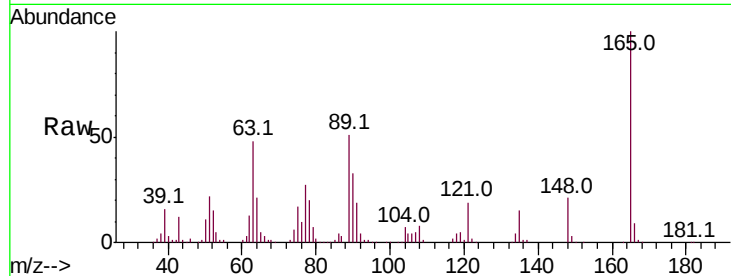
#51
 2,6-Dinitrotoluene
 Concen: 53.224 ng
 RT: 14.11 min Scan# 1876
 Delta R.T. -0.00 min
 Lab File: BG044401.D
 Acq: 11 Feb 2020 23:09

Instrument :
 BNA_G
 ClientSampleId :
 HAM-WC-S-SB-BCMS

Tot Ion	Ratio	Lower	Upper
165	100		
63	47.7	38.7	58.1
89	51.1	40.4	60.6

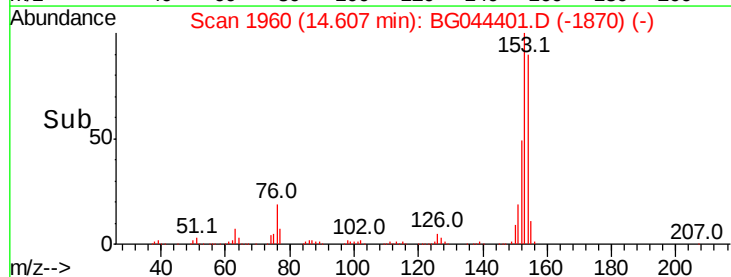
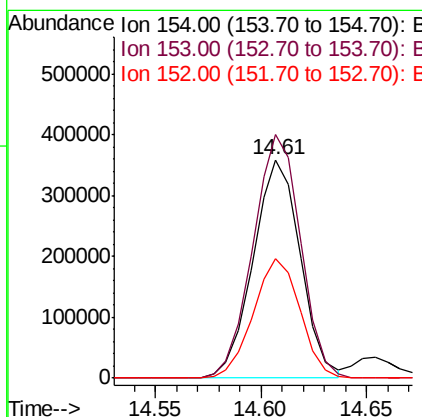
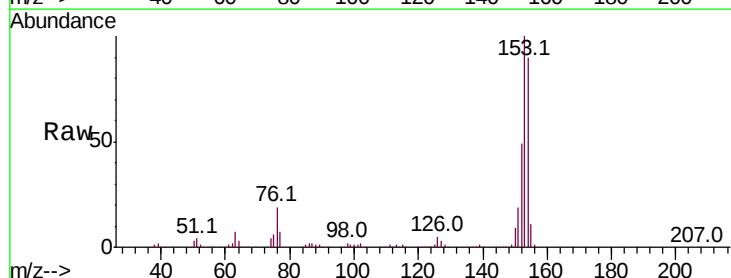
Manual Integrations
 APPROVED

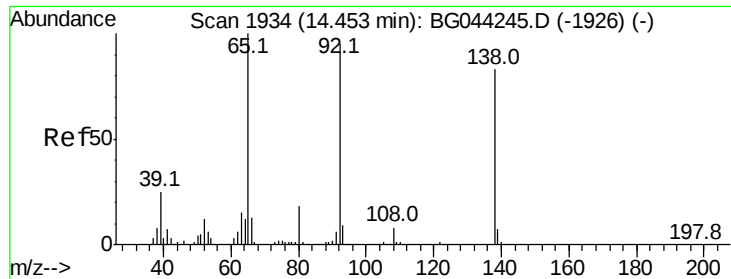
mohammad
 2/13/2020 3:32:47 PM



#52
 Acenaphthene
 Concen: 50.902 ng
 RT: 14.61 min Scan# 1960
 Delta R.T. -0.00 min
 Lab File: BG044401.D
 Acq: 11 Feb 2020 23:09

Tgt Ion	Ratio	Lower	Upper
154	100		
153	111.5	87.9	131.9
152	54.5	43.1	64.7





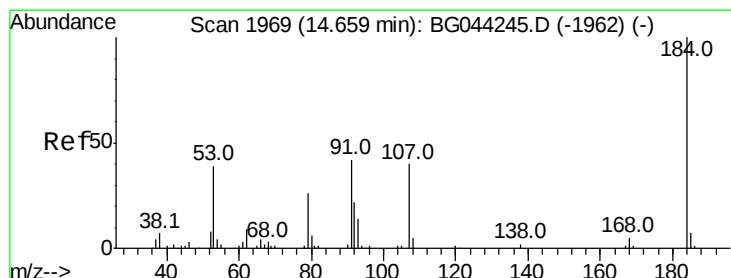
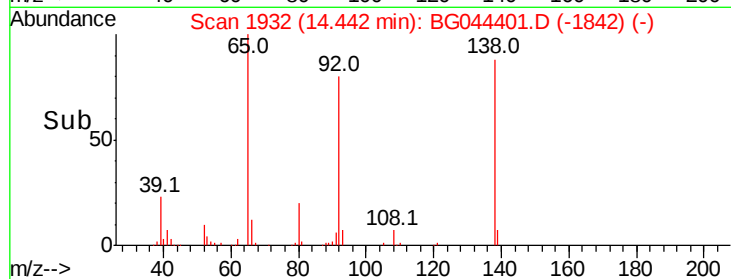
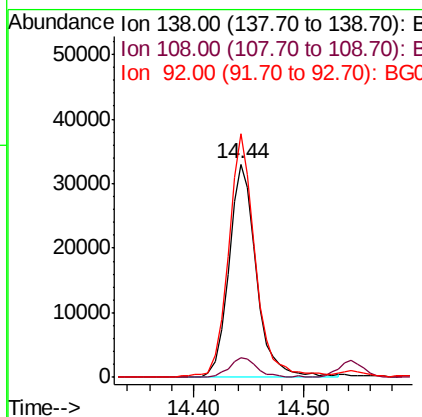
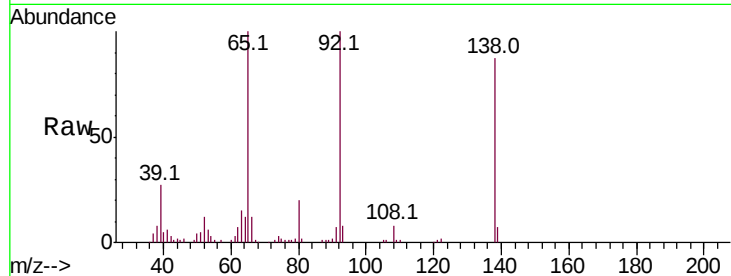
#53
3-Nitroaniline
Concen: 16.067 ng
RT: 14.44 min Scan# 1932
Delta R.T. -0.00 min
Lab File: BG044401.D
Acq: 11 Feb 2020 23:09

Instrument :
BNA_G
ClientSampleId :
HAM-WC-S-SB-BCMS

Tot Ion	Ratio	Lower	Upper
138	100		
108	9.2	7.9	11.9
92	114.3	91.0	136.4

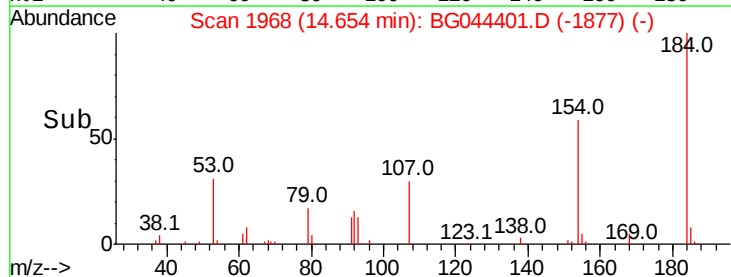
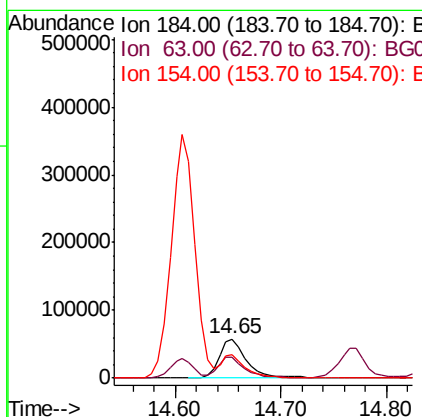
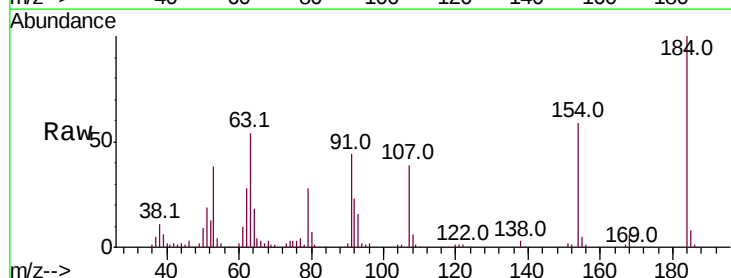
Manual Integrations
APPROVED

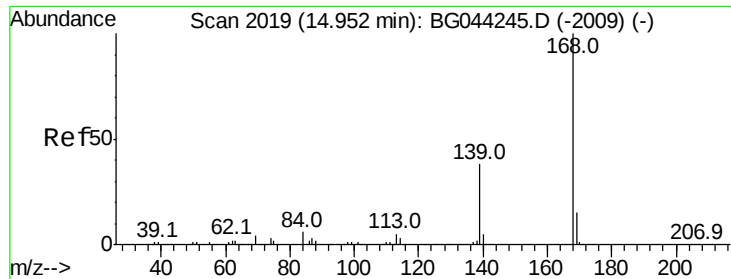
mohammad
2/13/2020 3:32:47 PM



#54
2,4-Dinitrophenol
Concen: 57.160 ng
RT: 14.65 min Scan# 1968
Delta R.T. 0.00 min
Lab File: BG044401.D
Acq: 11 Feb 2020 23:09

Tgt Ion	Ratio	Lower	Upper
184	100		
63	53.8	44.1	66.1
154	58.7	45.4	68.0





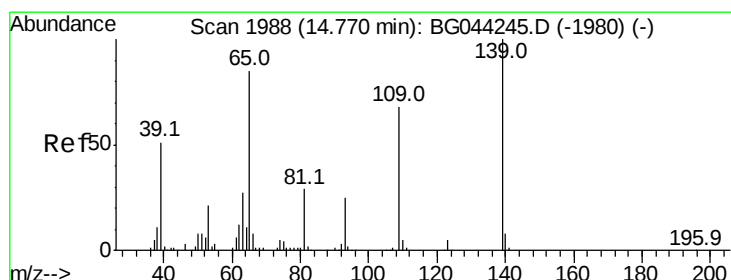
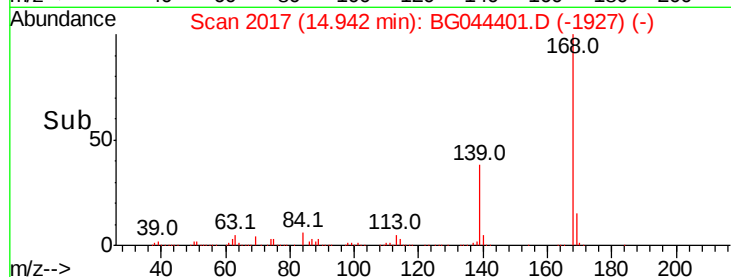
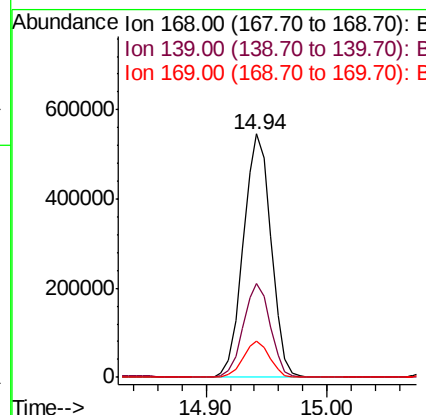
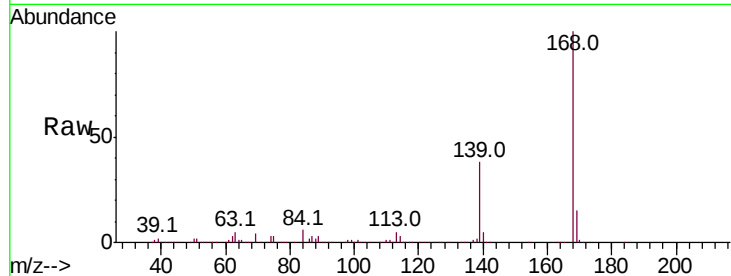
#55
Dibenzofuran
Concen: 52.386 ng
RT: 14.94 min Scan# 2017
Delta R.T. -0.00 min
Lab File: BG044401.D
Acq: 11 Feb 2020 23:09

Instrument :
BNA_G
ClientSampleId :
HAM-WC-S-SB-BCMS

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.5	30.5	45.7
169	14.6	11.7	17.5

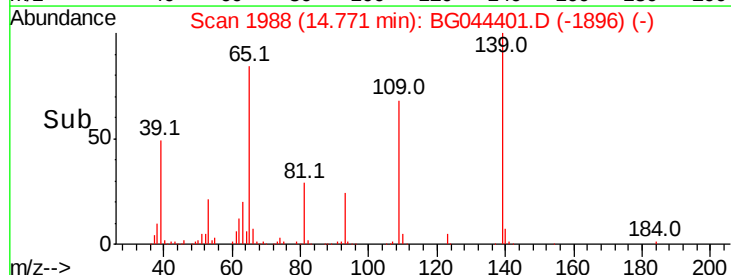
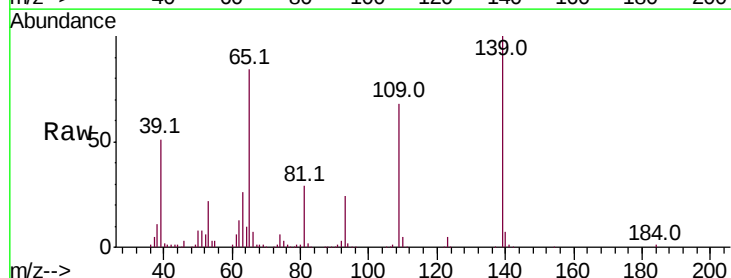
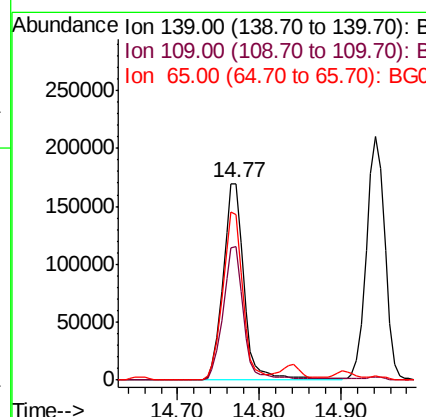
Manual Integrations
APPROVED

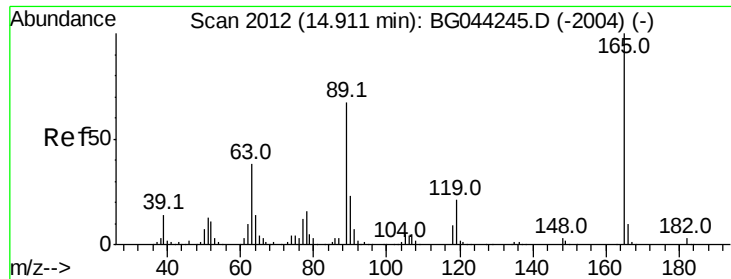
mohammad
2/13/2020 3:32:47 PM



#56
4-Nitrophenol
Concen: 116.861 ng
RT: 14.77 min Scan# 1988
Delta R.T. 0.01 min
Lab File: BG044401.D
Acq: 11 Feb 2020 23:09

Tgt Ion	Ratio	Lower	Upper
139	100		
109	68.0	47.5	87.5
65	84.0	64.9	104.9





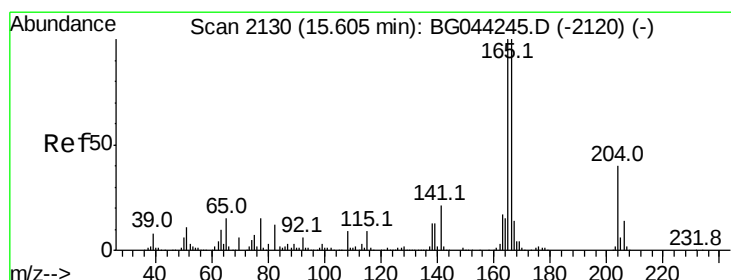
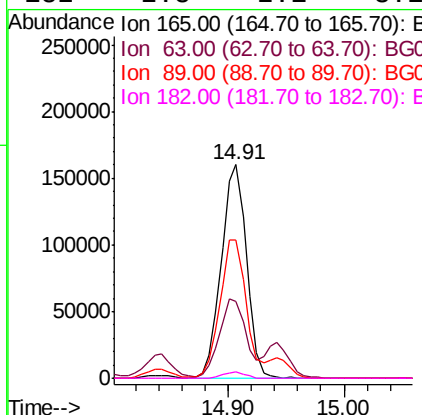
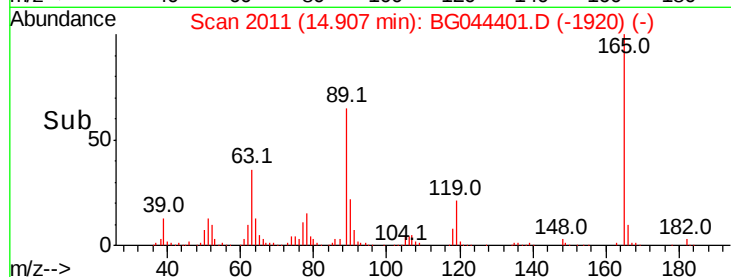
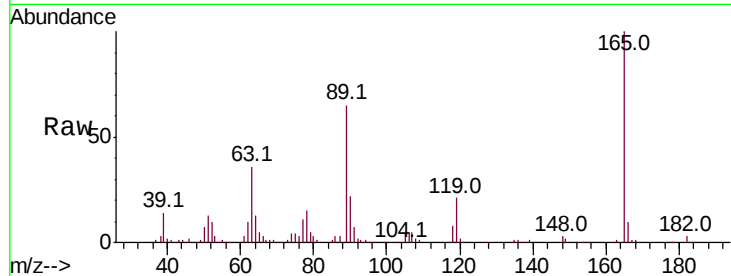
#57
2,4-Dinitrotoluene
Concen: 53.615 ng
RT: 14.91 min Scan# 2011
Delta R.T. 0.00 min
Lab File: BG044401.D
Acq: 11 Feb 2020 23:09

Instrument :
BNA_G
ClientSampleId :
HAM-WC-S-SB-BCMS

Tot Ion	Ratio	Resp	Lower	Upper
165	100	242607		
63	36.2		30.3	45.5
89	65.0		53.4	80.2
182	2.8		2.1	3.1

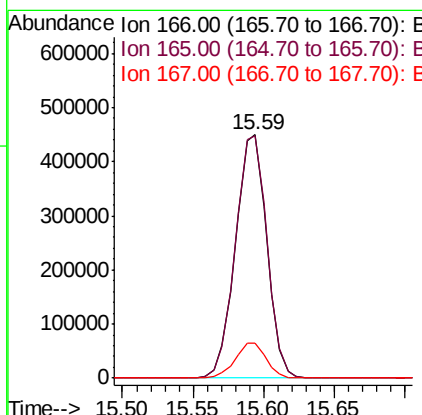
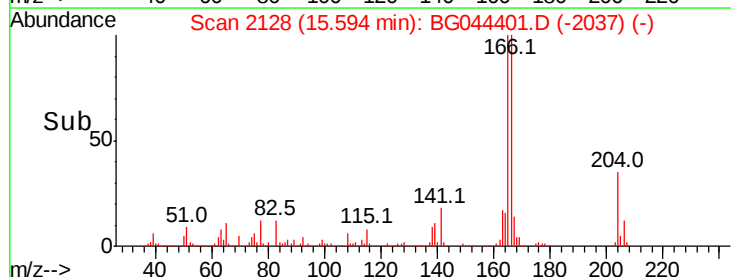
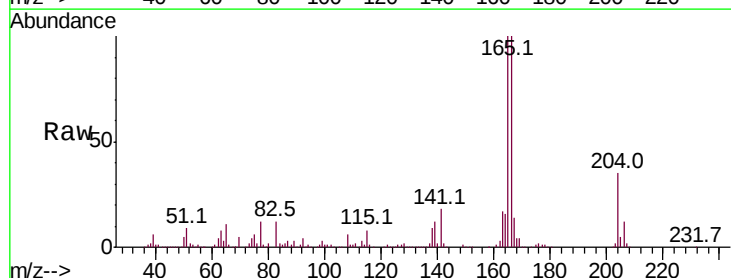
Manual Integrations
APPROVED

mohammad
2/13/2020 3:32:47 PM



#58
Fluorene
Concen: 53.108 ng
RT: 15.59 min Scan# 2128
Delta R.T. 0.00 min
Lab File: BG044401.D
Acq: 11 Feb 2020 23:09

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	696139		
165	99.7		79.9	119.9
167	14.5		11.4	17.0





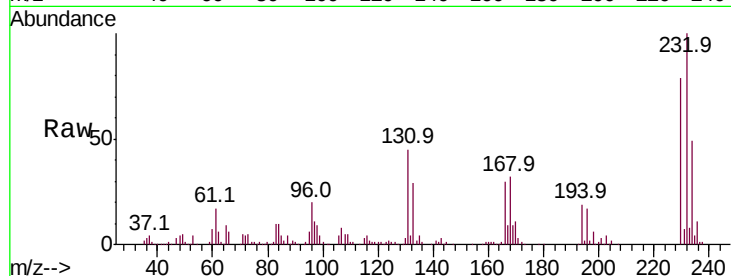
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 57.795 ng
 RT: 15.17 min Scan# 2056
 Delta R.T. -0.00 min
 Lab File: BG044401.D
 Acq: 11 Feb 2020 23:09

Instrument :
 BNA_G
 ClientSampleId :
 HAM-WC-S-SB-BCMS

Tot Ion	Ratio	Lower	Upper
232	100		
131	42.3	34.2	51.4
130	2.4	1.8	2.8
166	29.5	23.8	35.8

Manual Integrations
 APPROVED

mohammad
 2/13/2020 3:32:47 PM



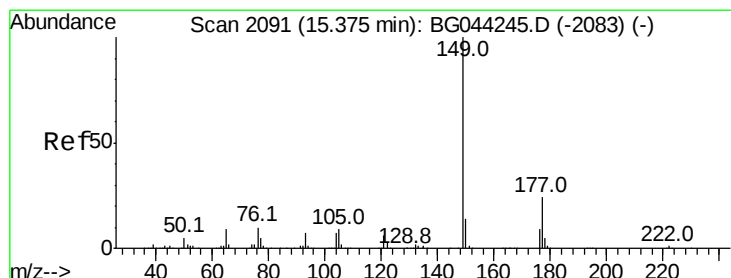
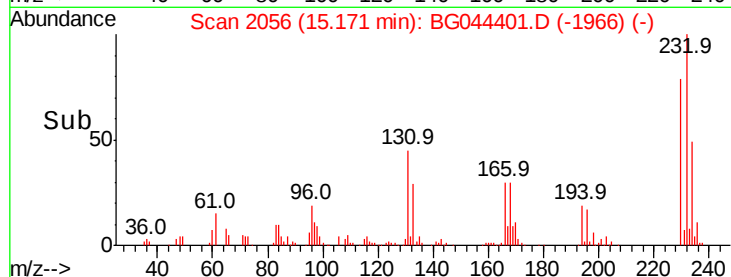
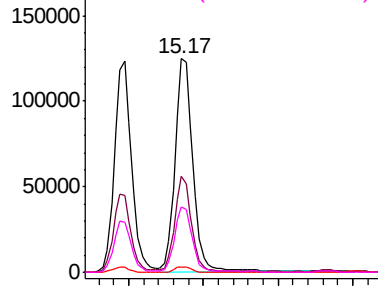
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

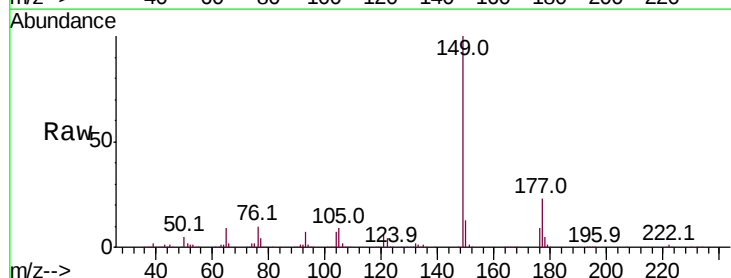
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60
 Diethylphthalate
 Concen: 53.179 ng
 RT: 15.36 min Scan# 2089
 Delta R.T. -0.00 min
 Lab File: BG044401.D
 Acq: 11 Feb 2020 23:09

Tgt Ion	Ratio	Lower	Upper
149	100		
177	23.4	19.4	29.0
150	13.4	10.9	16.3

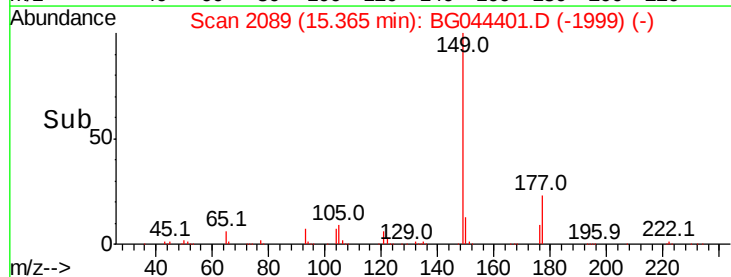
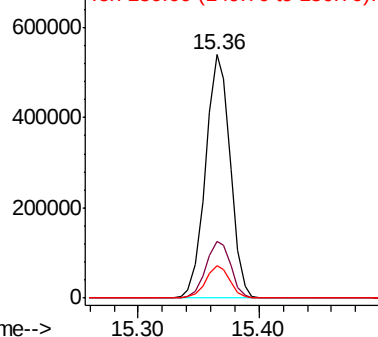


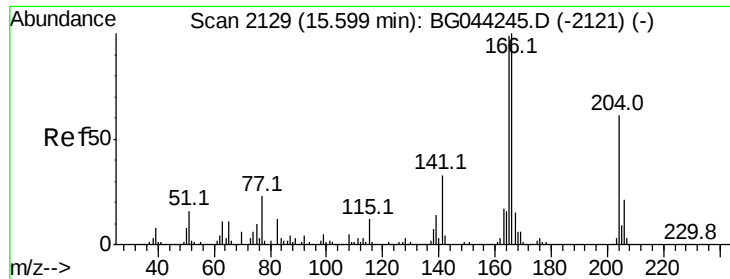
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





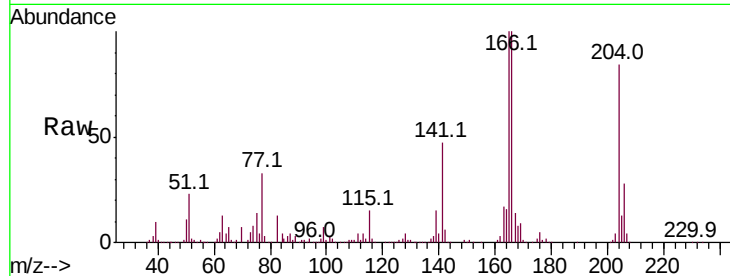
#61
4-Chlorophenyl-phenylether
Concen: 51.868 ng
RT: 15.58 min Scan# 2126
Delta R.T. -0.00 min
Lab File: BG044401.D
Acq: 11 Feb 2020 23:09

Instrument :
BNA_G
ClientSampleId :
HAM-WC-S-SB-BCMS

Tot Ion	Ratio	Lower	Upper
204	100		
206	33.4	27.6	41.4
141	55.8	43.4	65.0

Manual Integrations
APPROVED

mohammad
2/13/2020 3:32:47 PM

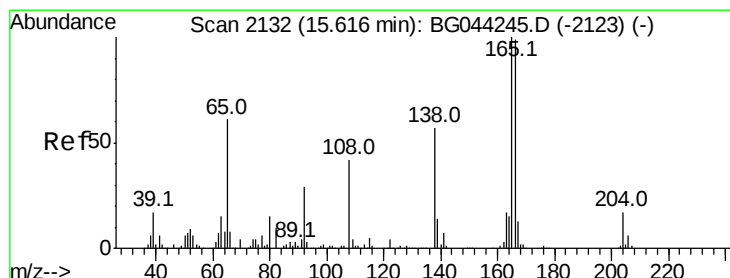
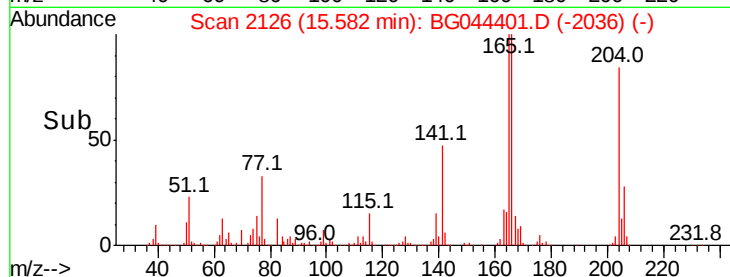
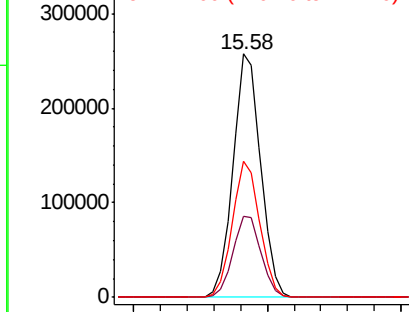


Abundance

Ion 204.00 (203.70 to 204.70): E

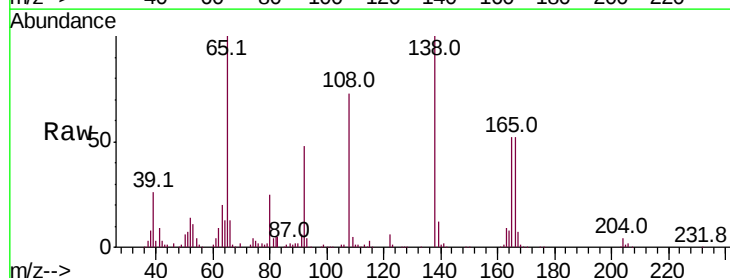
Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#62
4-Nitroaniline
Concen: 49.474 ng
RT: 15.61 min Scan# 2131
Delta R.T. 0.00 min
Lab File: BG044401.D
Acq: 11 Feb 2020 23:09

Tgt Ion	Ratio	Lower	Upper
138	100		
92	48.0	31.3	71.3
108	72.9	52.6	92.6

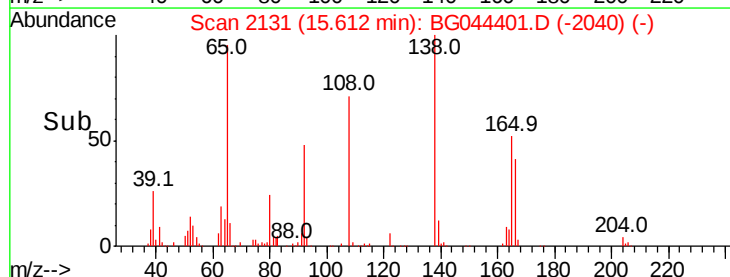
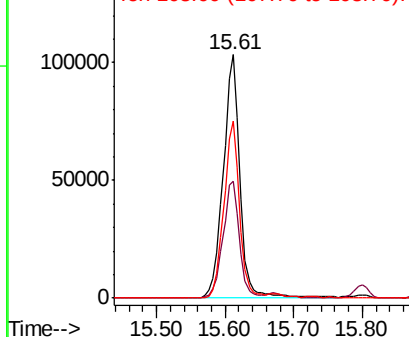


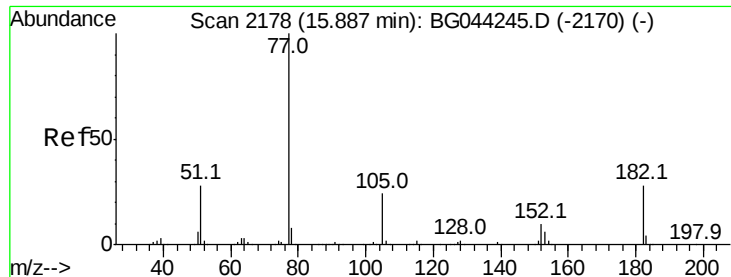
Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG

Ion 108.00 (107.70 to 108.70): E





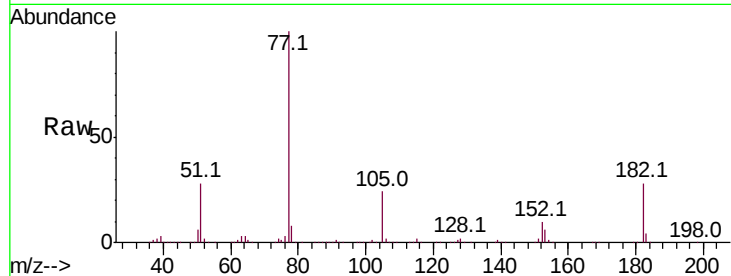
#63
Azobenzene
Concen: 54.474 ng
RT: 15.88 min Scan# 2176
Delta R.T. -0.00 min
Lab File: BG044401.D
Acq: 11 Feb 2020 23:09

Instrument :
BNA_G
ClientSampleId :
HAM-WC-S-SB-BCMS

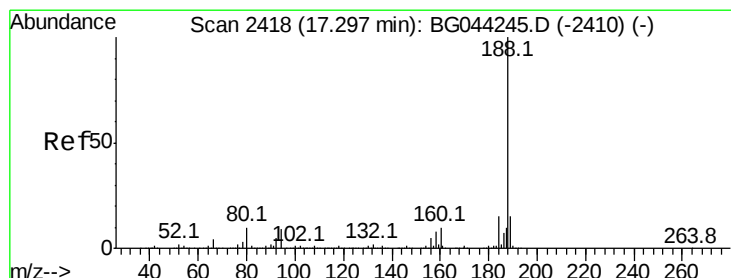
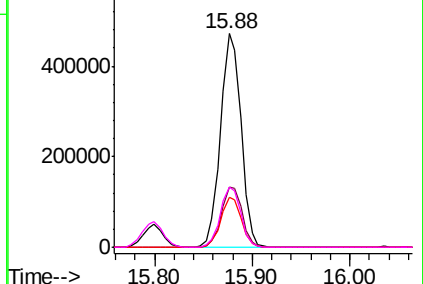
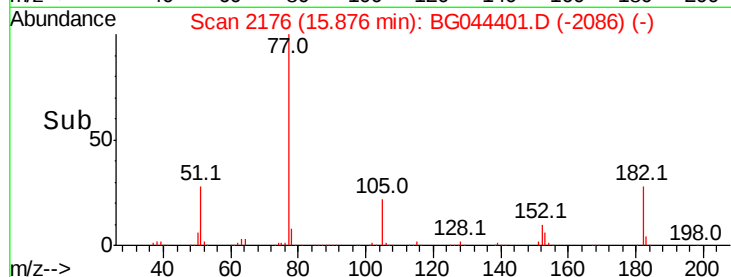
Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100				
182	28.2	8.2	48.2		
105	23.5	3.6	43.6		
51	28.4	8.3	48.3		

Manual Integrations
APPROVED

mohammad
2/13/2020 3:32:47 PM

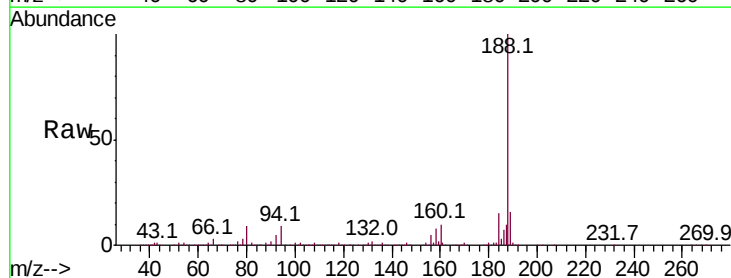


Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 182.00 (181.70 to 182.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 51.00 (50.70 to 51.70): BGC

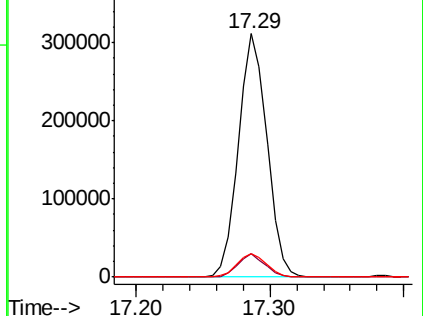
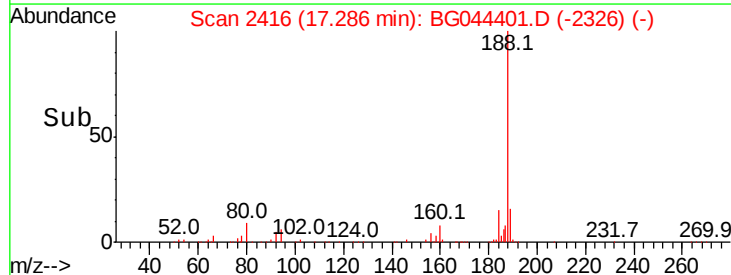


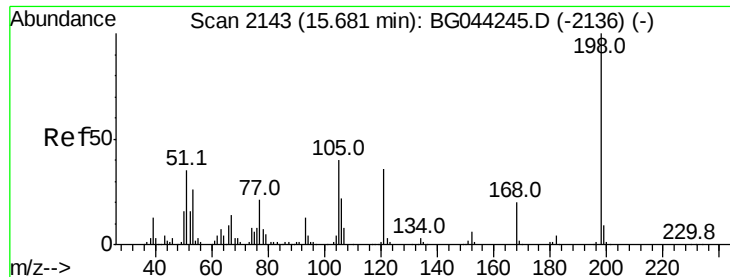
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.29 min Scan# 2416
Delta R.T. -0.00 min
Lab File: BG044401.D
Acq: 11 Feb 2020 23:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	9.5	7.4	11.2		
80	9.4	7.7	11.5		



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





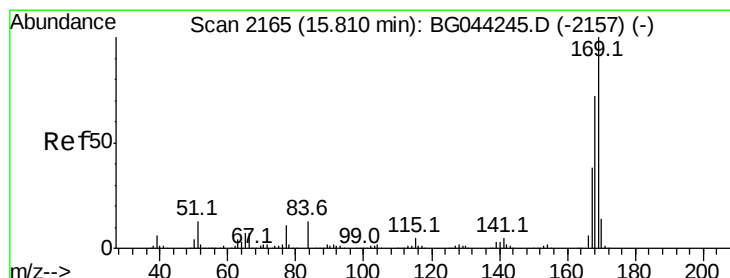
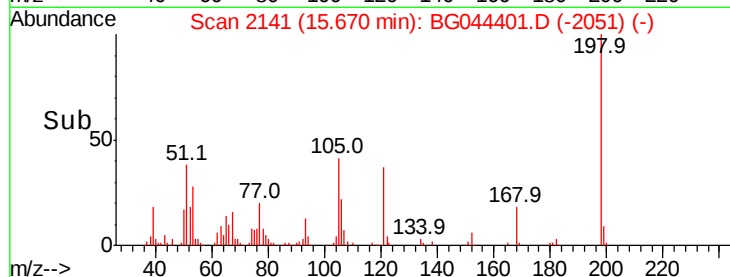
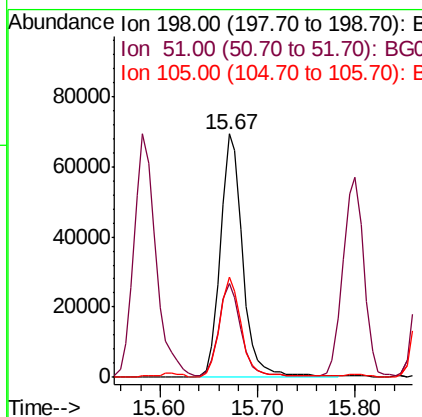
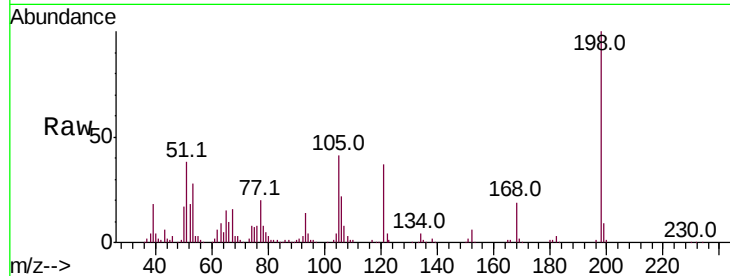
#65
4,6-Dinitro-2-methylphenol
Concen: 43.276 ng
RT: 15.67 min Scan# 2141
Delta R.T. -0.00 min
Lab File: BG044401.D
Acq: 11 Feb 2020 23:09

Instrument :
BNA_G
ClientSampleId :
HAM-WC-S-SB-BCMS

Tot Ion	Ratio	Lower	Upper
198	100		
51	38.3	16.6	56.6
105	41.2	20.6	60.6

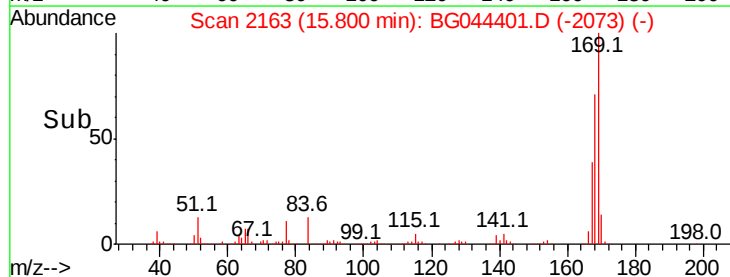
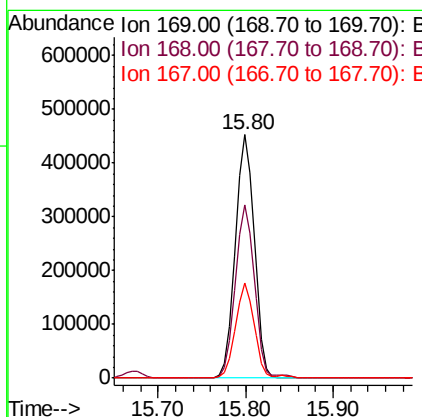
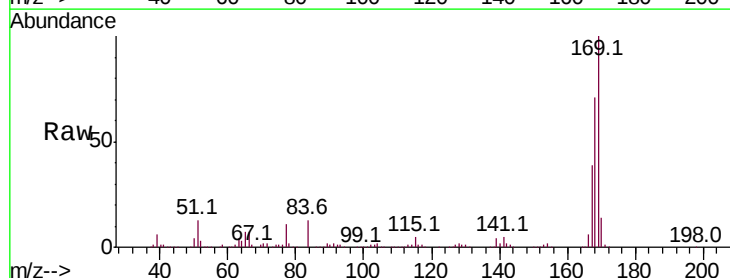
Manual Integrations
APPROVED

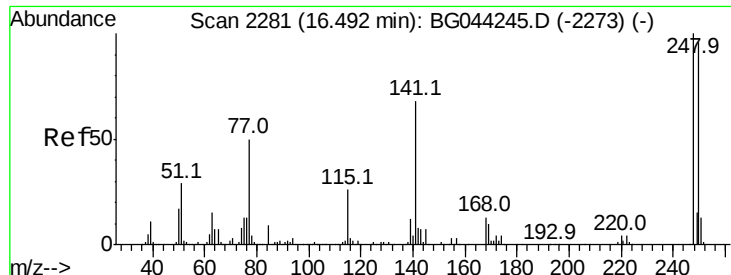
mohammad
2/13/2020 3:32:47 PM



#66
n-Nitrosodiphenylamine
Concen: 51.454 ng
RT: 15.80 min Scan# 2163
Delta R.T. -0.00 min
Lab File: BG044401.D
Acq: 11 Feb 2020 23:09

Tgt Ion	Ratio	Lower	Upper
169	100		
168	71.1	57.9	86.9
167	38.9	30.7	46.1





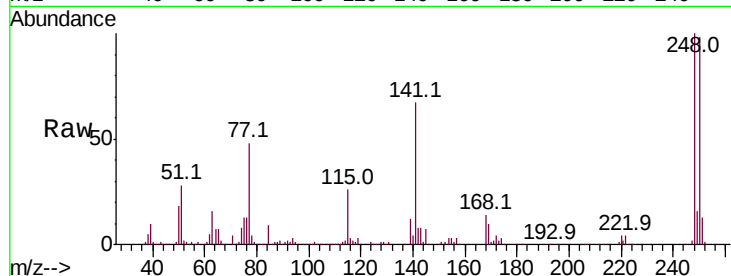
#67
 4-Bromophenyl-phenylether
 Concen: 49.339 ng
 RT: 16.48 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: BG044401.D
 Acq: 11 Feb 2020 23:09

Instrument :
 BNA_G
 ClientSampleId :
 HAM-WC-S-SB-BCMS

Tot Ion	Ratio	Lower	Upper
248	100		
250	98.1	76.6	114.8
141	67.0	54.7	82.1

Manual Integrations
 APPROVED

mohammad
 2/13/2020 3:32:47 PM

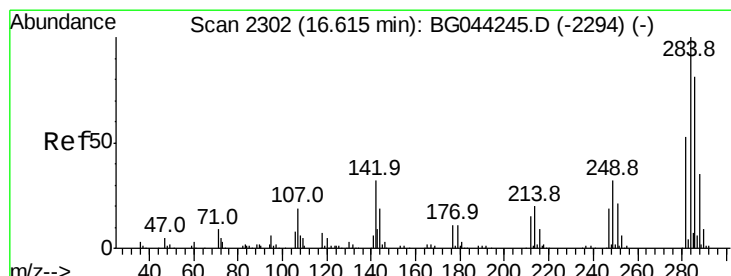
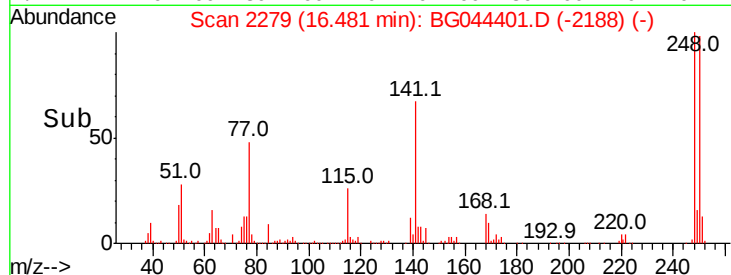
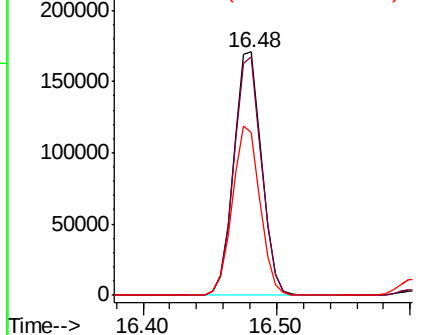


Abundance

Ion 248.00 (247.70 to 248.70): E

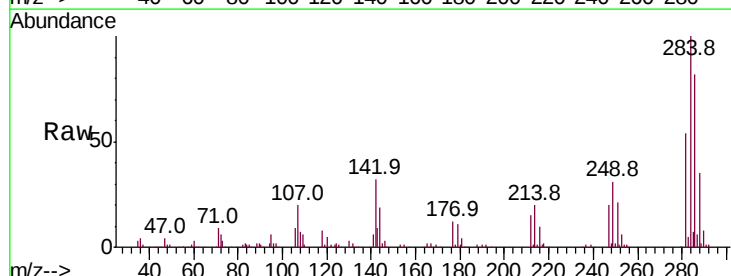
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
 Hexachlorobenzene
 Concen: 48.192 ng
 RT: 16.60 min Scan# 2300
 Delta R.T. 0.00 min
 Lab File: BG044401.D
 Acq: 11 Feb 2020 23:09

Tgt Ion	Ratio	Lower	Upper
284	100		
142	32.2	25.3	37.9
249	31.5	25.5	38.3

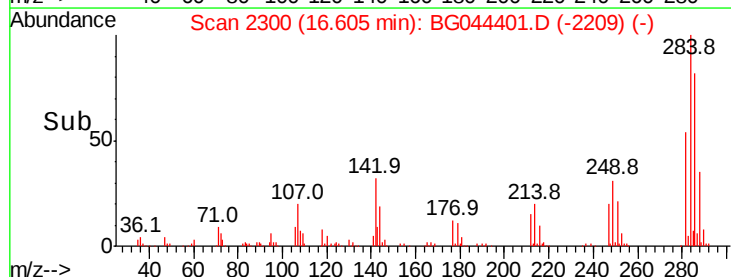
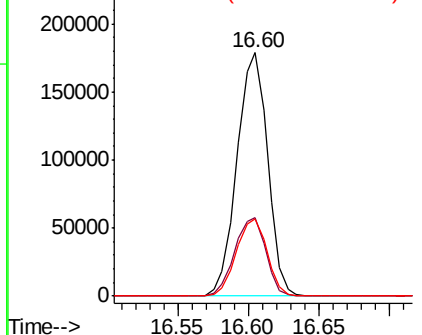


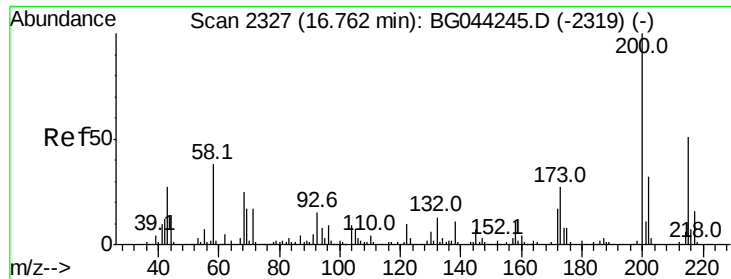
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





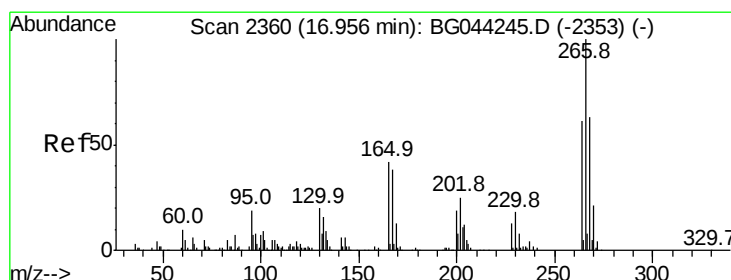
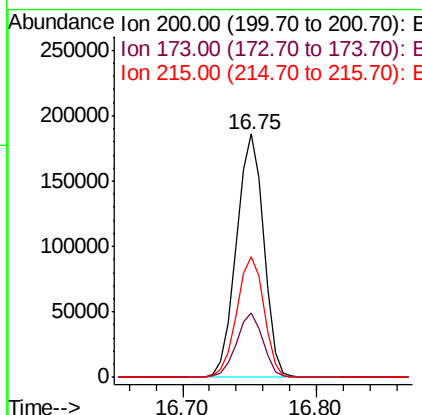
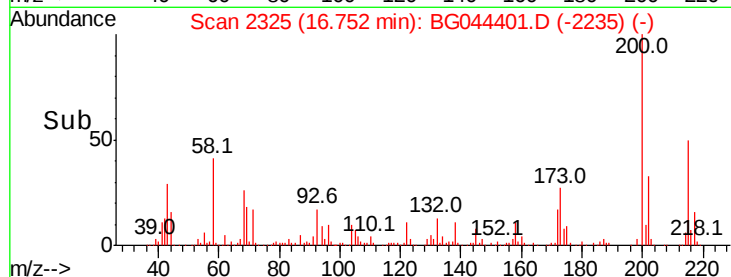
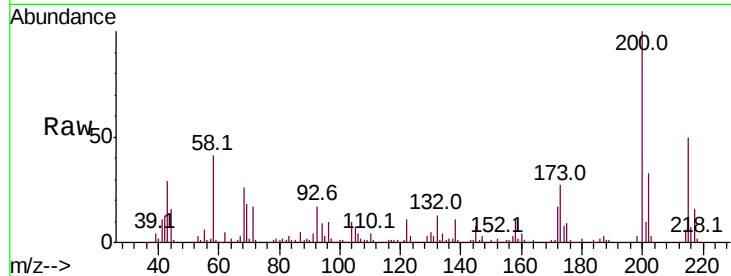
#69
Atrazine
Concen: 59.587 ng
RT: 16.75 min Scan# 2325
Delta R.T. -0.00 min
Lab File: BG044401.D
Acq: 11 Feb 2020 23:09

Instrument :
BNA_G
ClientSampleId :
HAM-WC-S-SB-BCMS

Tot Ion	Ratio	Resp Lower	Resp Upper
200	100		
173	26.6	6.6	46.6
215	49.8	31.0	71.0

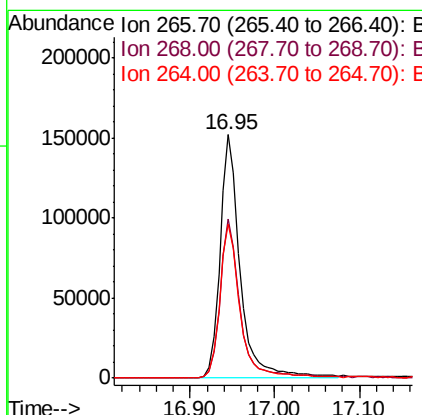
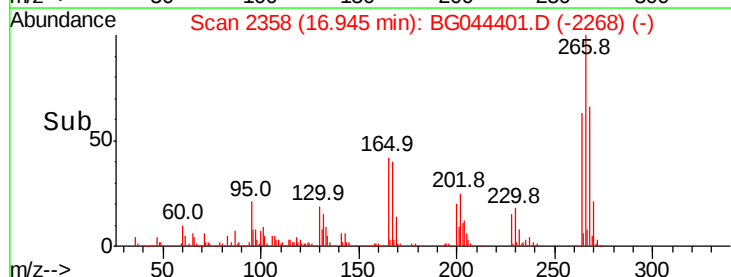
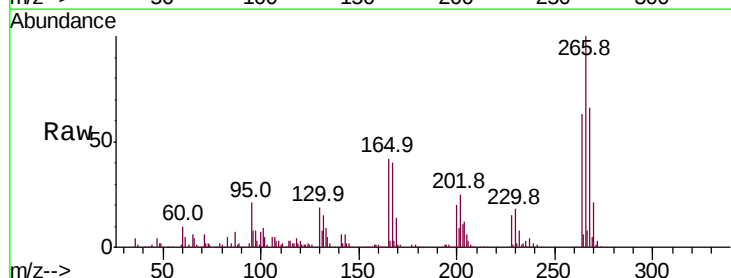
Manual Integrations
APPROVED

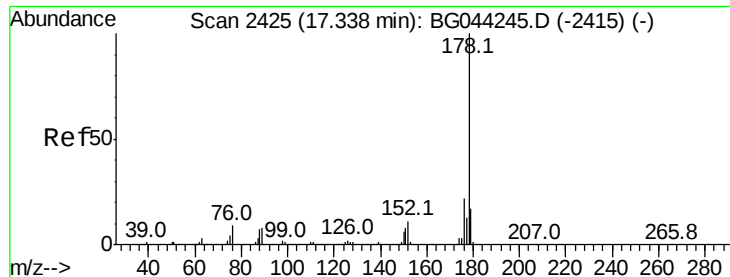
mohammad
2/13/2020 3:32:47 PM



#70
Pentachlorophenol
Concen: 88.598 ng
RT: 16.95 min Scan# 2358
Delta R.T. -0.00 min
Lab File: BG044401.D
Acq: 11 Feb 2020 23:09

Tgt Ion	Ratio	Resp Lower	Resp Upper
266	100		
268	65.6	50.6	75.8
264	63.4	48.7	73.1





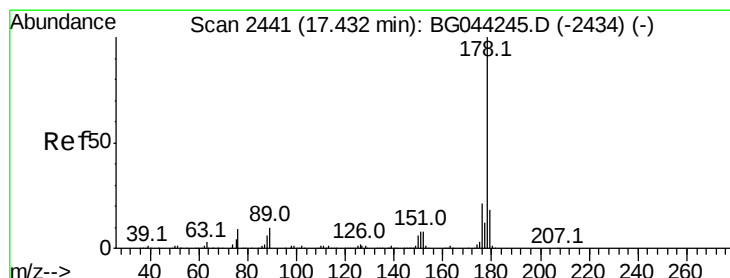
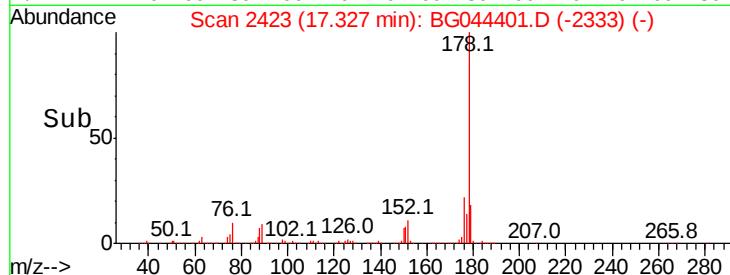
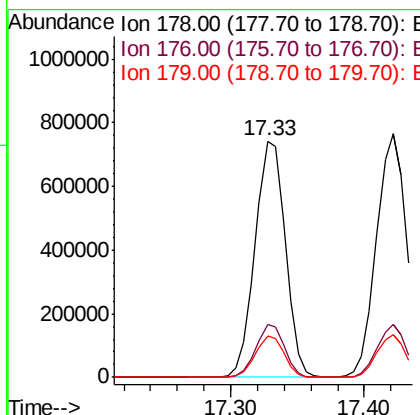
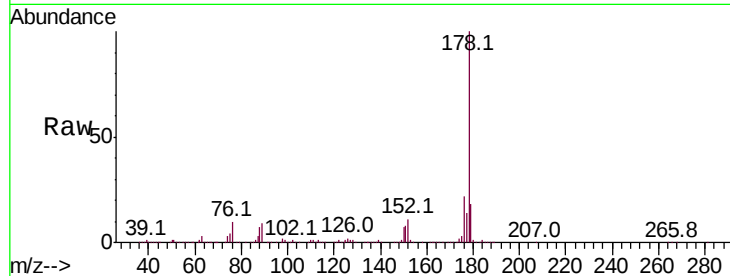
#71
Phenanthrene
Concen: 52.200 ng
RT: 17.33 min Scan# 2423
Delta R.T. -0.00 min
Lab File: BG044401.D
Acq: 11 Feb 2020 23:09

Instrument :
BNA_G
ClientSampleId :
HAM-WC-S-SB-BCMS

Tot Ion:178 Resp: 1163530
Ion Ratio Lower Upper
178 100
176 22.2 17.7 26.5
179 17.8 13.7 20.5

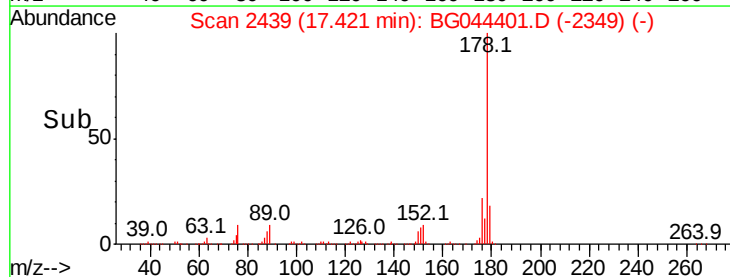
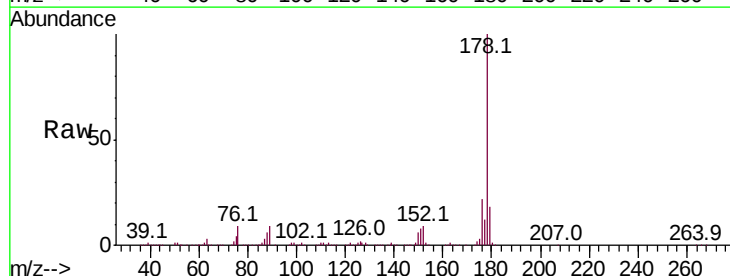
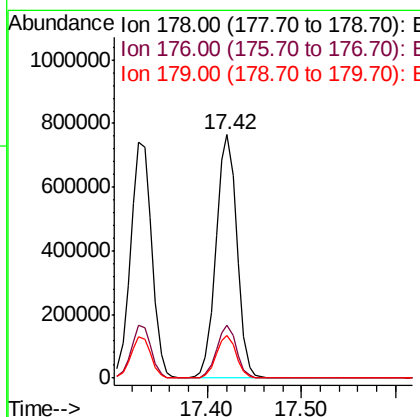
Manual Integrations
APPROVED

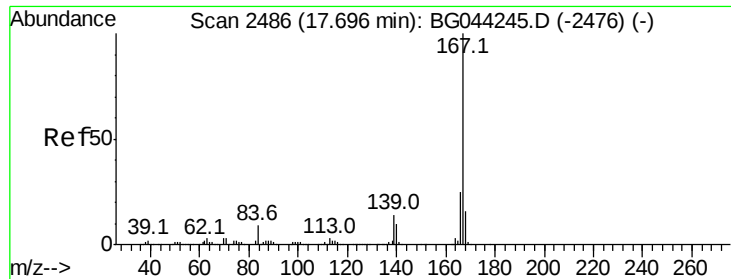
mohammad
2/13/2020 3:32:47 PM



#72
Anthracene
Concen: 54.056 ng
RT: 17.42 min Scan# 2439
Delta R.T. -0.00 min
Lab File: BG044401.D
Acq: 11 Feb 2020 23:09

Tgt Ion:178 Resp: 1191243
Ion Ratio Lower Upper
178 100
176 21.5 17.0 25.4
179 17.5 14.4 21.6





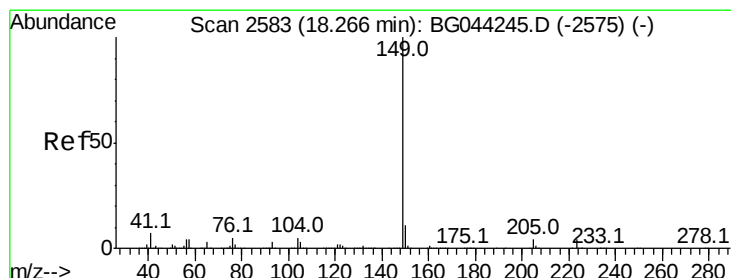
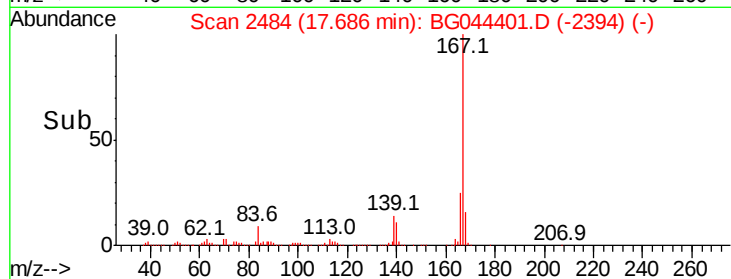
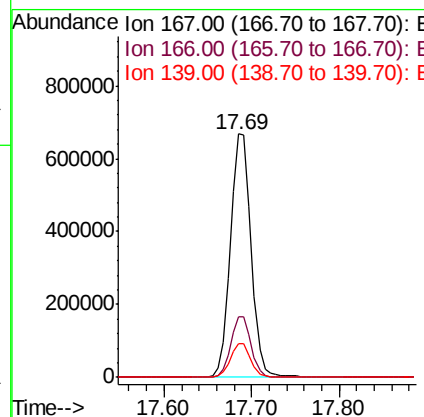
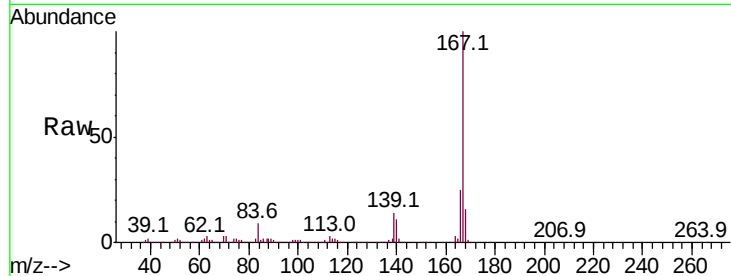
#73
 Carbazole
 Concen: 53.395 ng
 RT: 17.69 min Scan# 2484
 Delta R.T. -0.00 min
 Lab File: BG044401.D
 Acq: 11 Feb 2020 23:09

Instrument :
 BNA_G
 ClientSampleId :
 HAM-WC-S-SB-BCMS

Tot Ion	Ratio	Lower	Upper
167	100		
166	25.1	19.8	29.6
139	14.0	11.1	16.7

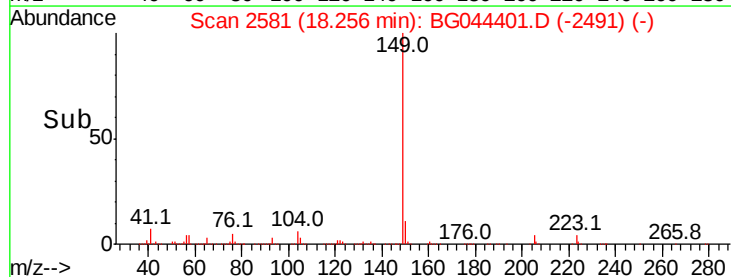
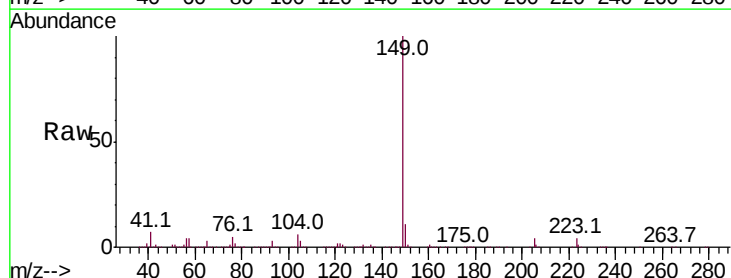
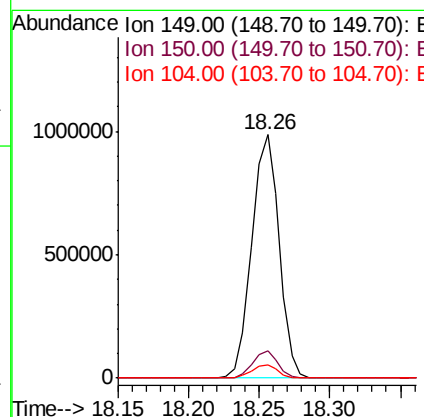
Manual Integrations
 APPROVED

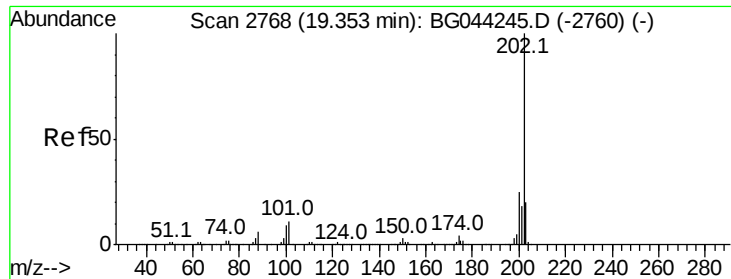
mohammad
 2/13/2020 3:32:47 PM



#74
 Di-n-butylphthalate
 Concen: 53.356 ng
 RT: 18.26 min Scan# 2581
 Delta R.T. -0.00 min
 Lab File: BG044401.D
 Acq: 11 Feb 2020 23:09

Tgt Ion	Ratio	Lower	Upper
149	100		
150	11.1	8.7	13.1
104	5.6	4.3	6.5





#75

Fluoranthene

Concen: 53.285 ng

RT: 19.34 min Scan# 2766

Delta R.T. 0.00 min

Lab File: BG044401.D

Acq: 11 Feb 2020 23:09

Instrument :

BNA_G

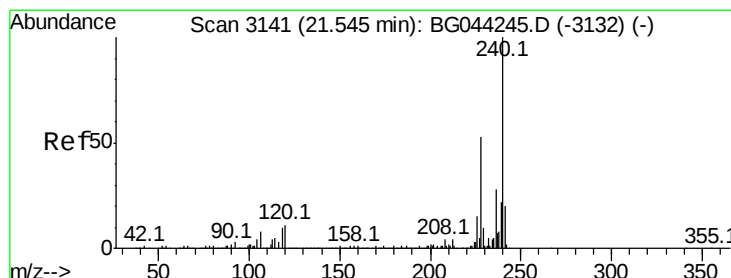
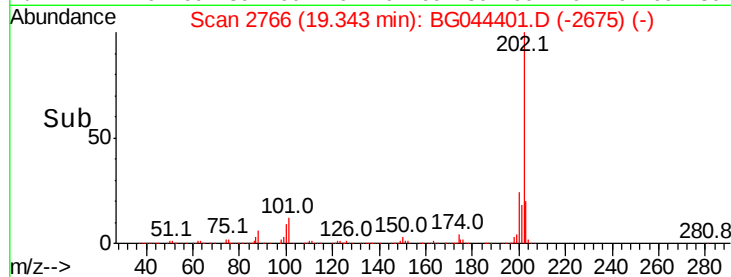
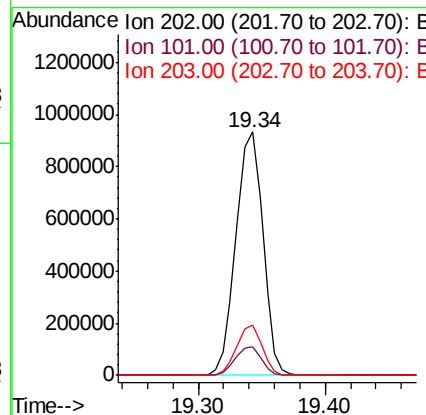
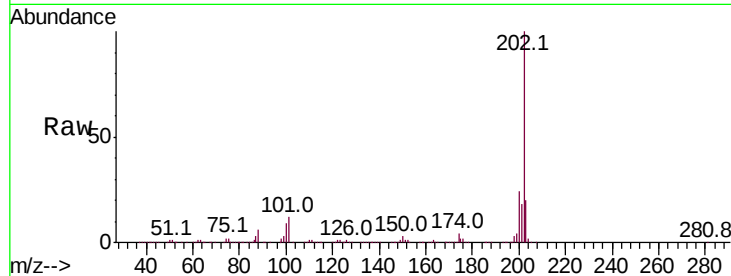
ClientSampleId :

HAM-WC-S-SB-BCMS

Tot Ion:	202	Resp:	1373966
Ion Ratio	Lower	Upper	
202	100		
101	11.7	0.0	31.3
203	20.5	0.0	39.9

Manual Integrations
APPROVED

mohammad
2/13/2020 3:32:47 PM



#76

Chrysene-d12

Concen: 20.000 ng

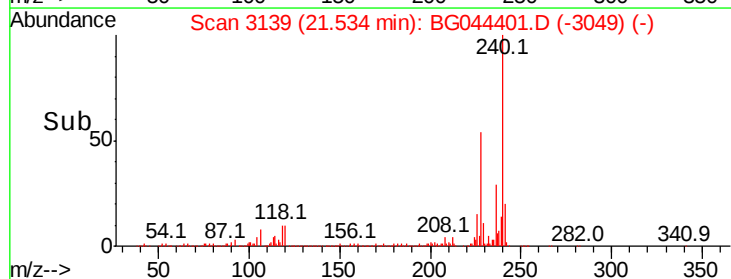
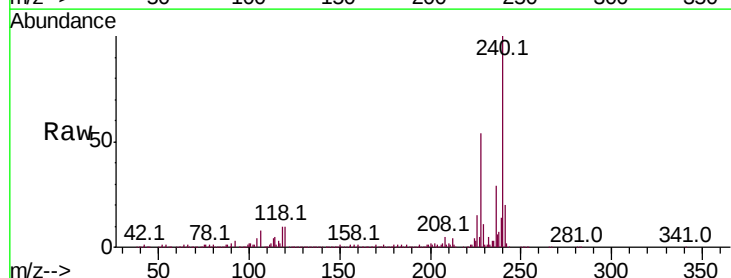
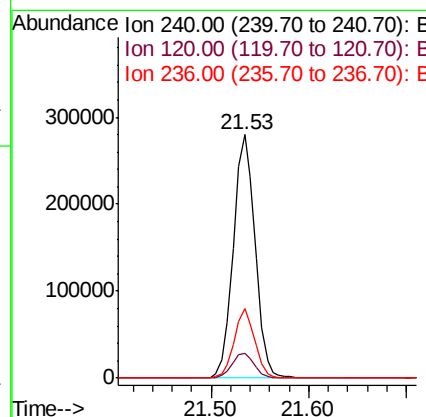
RT: 21.53 min Scan# 3139

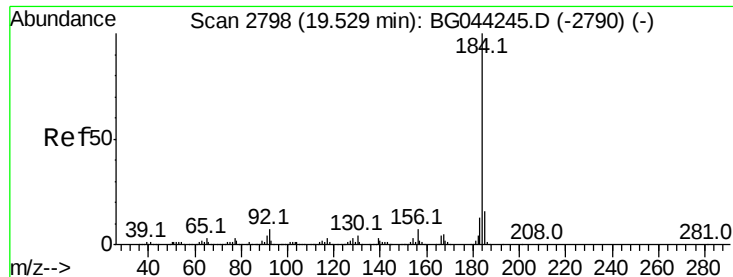
Delta R.T. -0.00 min

Lab File: BG044401.D

Acq: 11 Feb 2020 23:09

Tgt Ion:	240	Resp:	432621
Ion Ratio	Lower	Upper	
240	100		
120	10.1	8.4	12.6
236	28.8	22.1	33.1





#77

Benzidine

Concen: 17.587 ng

RT: 19.52 min Scan# 2796

Delta R.T. -0.00 min

Lab File: BG044401.D

Acq: 11 Feb 2020 23:09

Instrument :

BNA_G

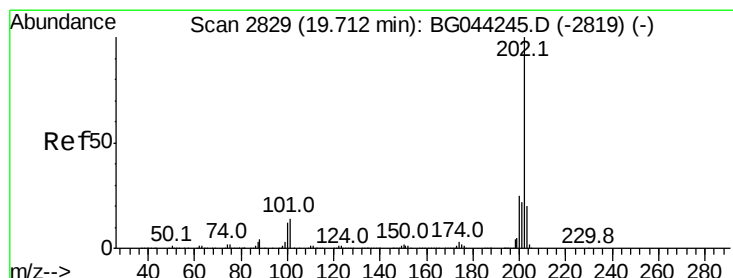
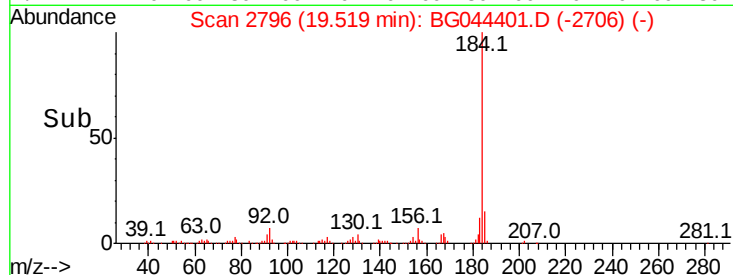
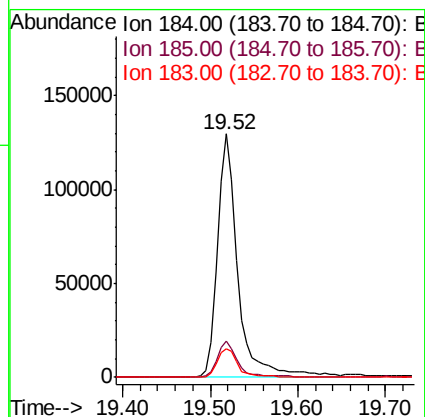
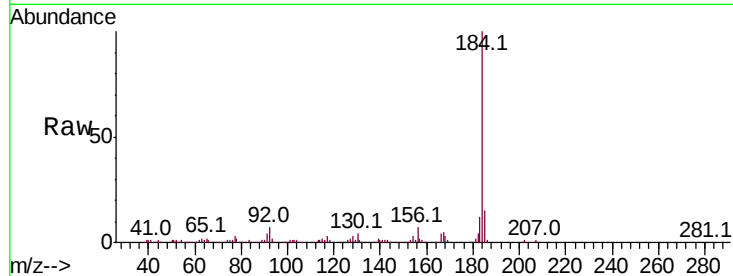
ClientSampleId :

HAM-WC-S-SB-BCMS

Tot Ion:	184	Resp:	211041
Ion Ratio	Lower	Upper	
184	100		
185	14.8	12.9	19.3
183	11.9	10.8	16.2

Manual Integrations
APPROVED

mohammad
2/13/2020 3:32:47 PM



#78

Pyrene

Concen: 49.791 ng

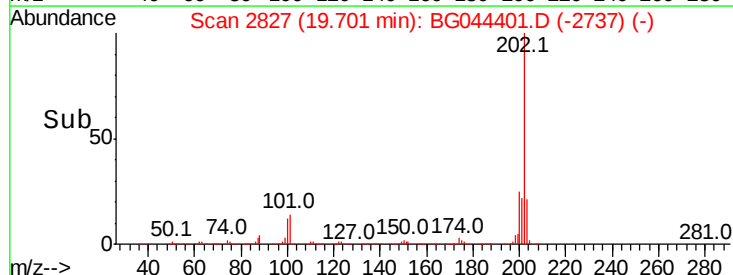
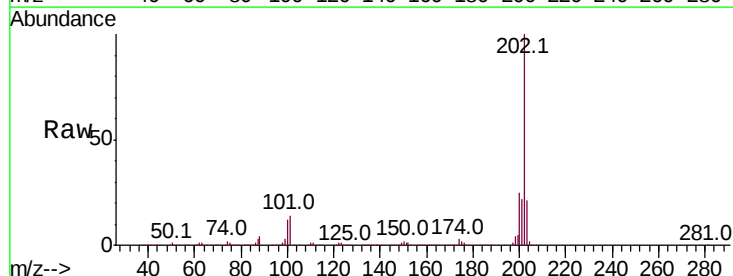
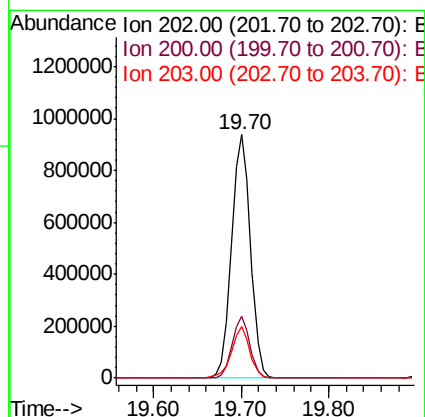
RT: 19.70 min Scan# 2827

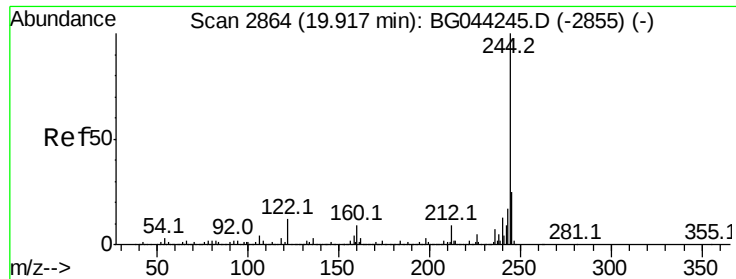
Delta R.T. -0.00 min

Lab File: BG044401.D

Acq: 11 Feb 2020 23:09

Tgt Ion:	202	Resp:	1383351
Ion Ratio	Lower	Upper	
202	100		
200	25.2	20.0	30.0
203	21.0	16.2	24.2





#79

Terphenyl-d14

Concen: 91.907 ng

RT: 19.90 min Scan# 2861

Delta R.T. -0.00 min

Lab File: BG044401.D

Acq: 11 Feb 2020 23:09

Instrument :

BNA_G

ClientSampleId :

HAM-WC-S-SB-BCMS

Tot Ion:244 Resp: 1933085

Ion Ratio Lower Upper

244 100

212 9.6 7.4 11.2

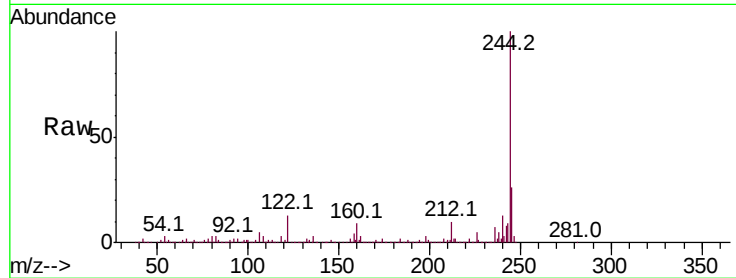
122 13.1 9.8 14.6

Manual Integrations

APPROVED

mohammad

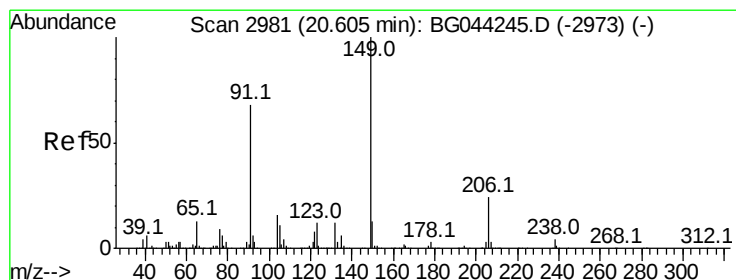
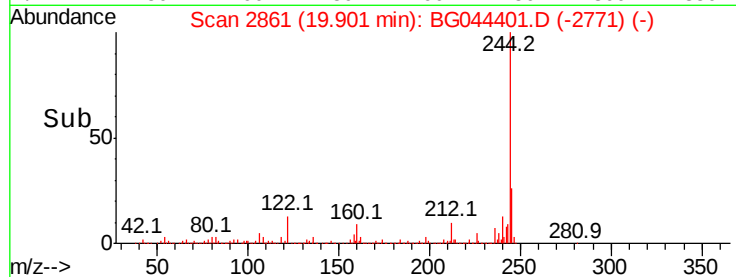
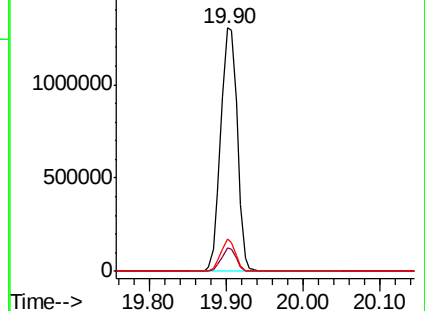
2/13/2020 3:32:47 PM



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: 48.872 ng

RT: 20.59 min Scan# 2979

Delta R.T. -0.00 min

Lab File: BG044401.D

Acq: 11 Feb 2020 23:09

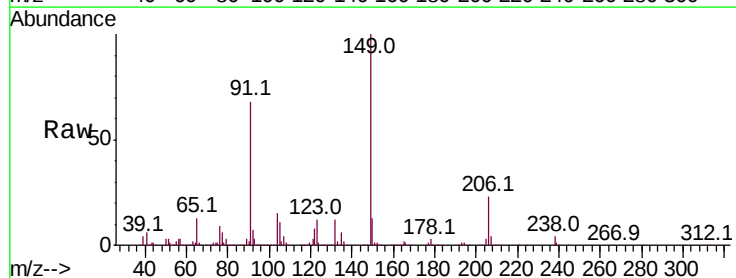
Tgt Ion:149 Resp: 618767

Ion Ratio Lower Upper

149 100

91 68.3 54.5 81.7

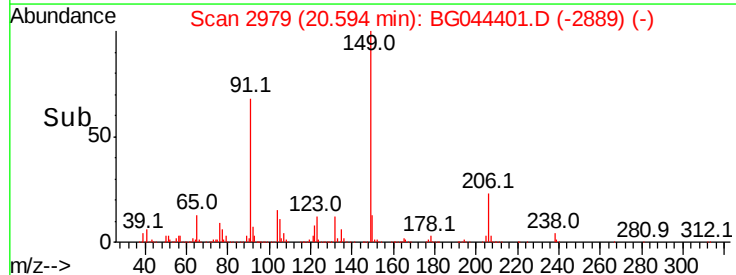
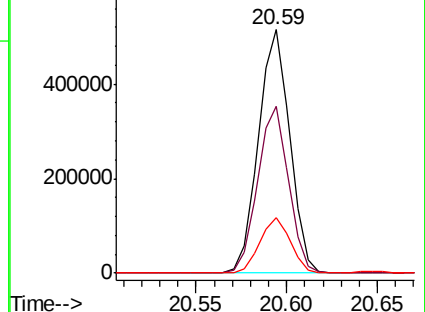
206 22.7 19.1 28.7

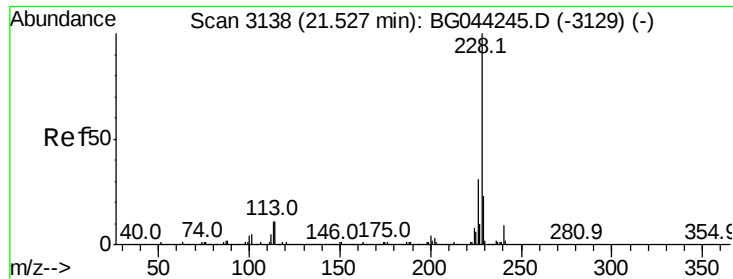


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 49.358 ng

RT: 21.52 min Scan# 3136

Delta R.T. 0.00 min

Lab File: BG044401.D

Acq: 11 Feb 2020 23:09

Instrument :

BNA_G

ClientSampleId :

HAM-WC-S-SB-BCMS

Tot Ion:228 Resp: 1316029

Ion Ratio Lower Upper

228 100

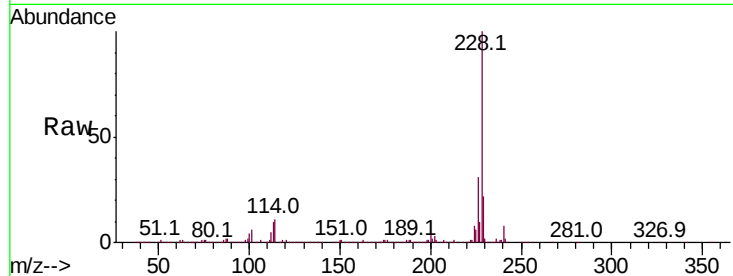
226 30.9 24.7 37.1

229 22.4 18.2 27.4

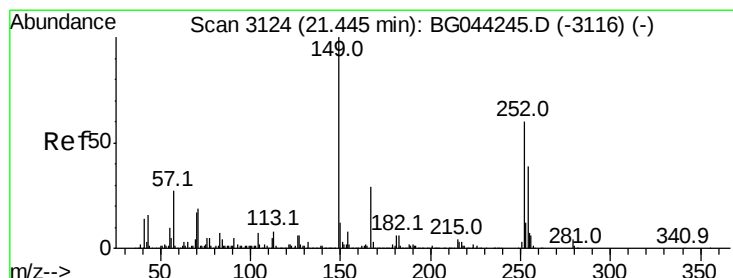
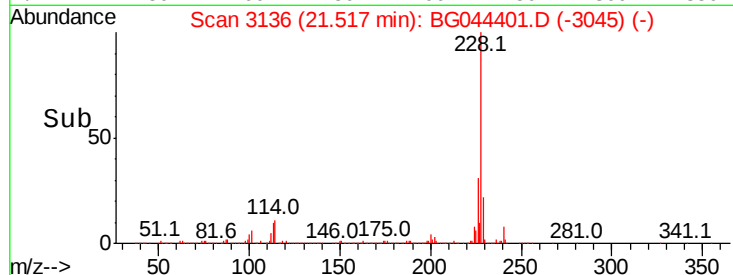
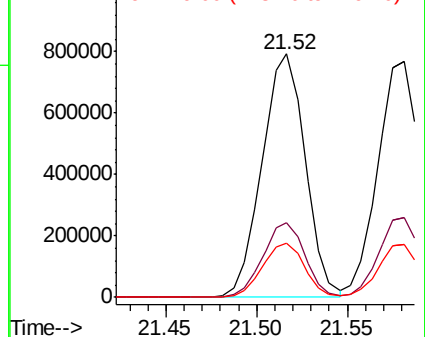
Manual Integrations
APPROVED

mohammad

2/13/2020 3:32:47 PM



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: 18.548 ng

RT: 21.43 min Scan# 3122

Delta R.T. -0.00 min

Lab File: BG044401.D

Acq: 11 Feb 2020 23:09

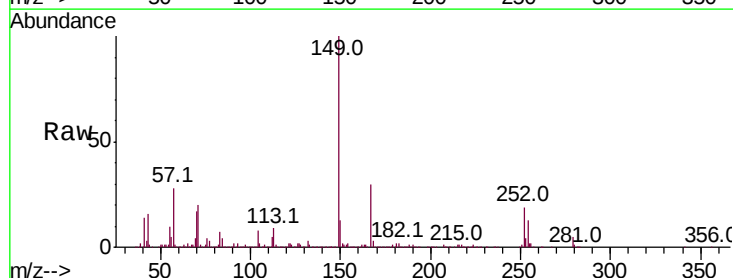
Tgt Ion:252 Resp: 191934

Ion Ratio Lower Upper

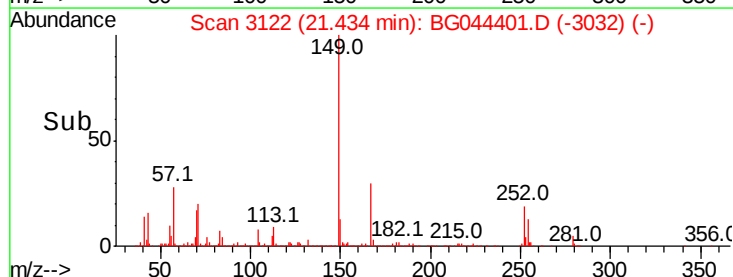
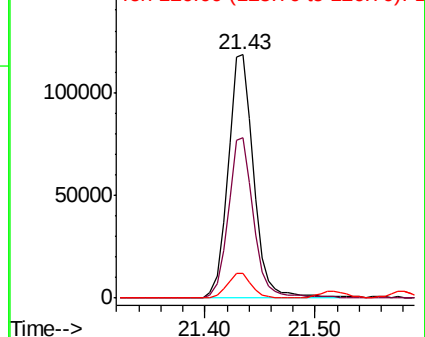
252 100

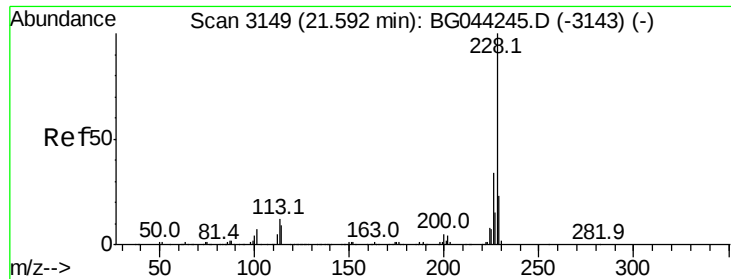
254 65.7 52.6 78.8

126 9.9 8.2 12.4



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





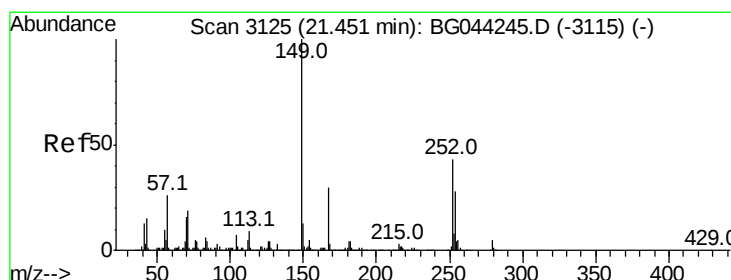
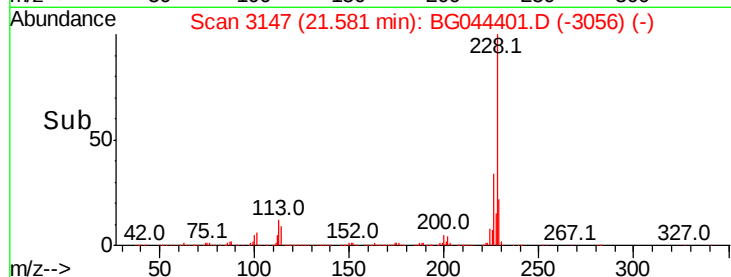
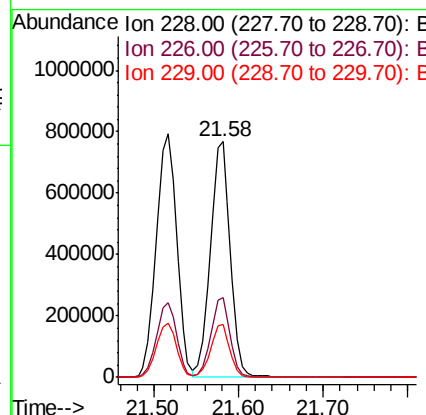
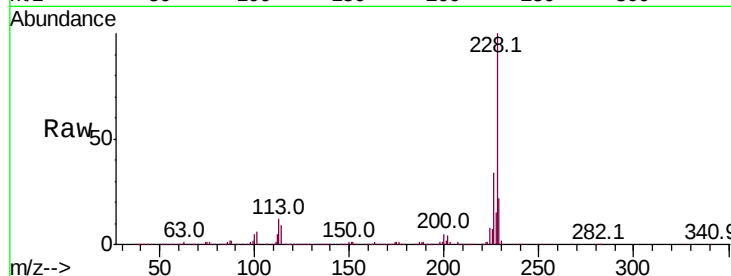
#83
 Chrvsene
 Concen: 49.068 ng
 RT: 21.58 min Scan# 3147
 Delta R.T. 0.00 min
 Lab File: BG044401.D
 Acq: 11 Feb 2020 23:09

Instrument :
 BNA_G
 ClientSampleId :
 HAM-WC-S-SB-BCMS

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.9	27.1	40.7
229	22.4	17.9	26.9

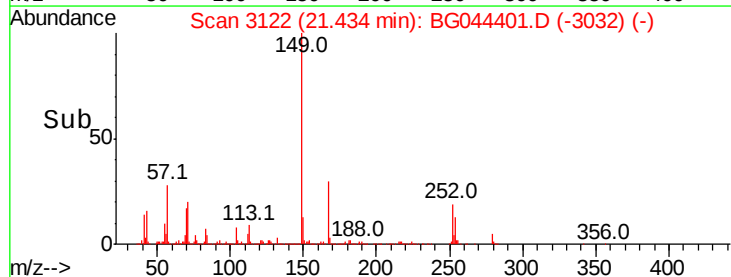
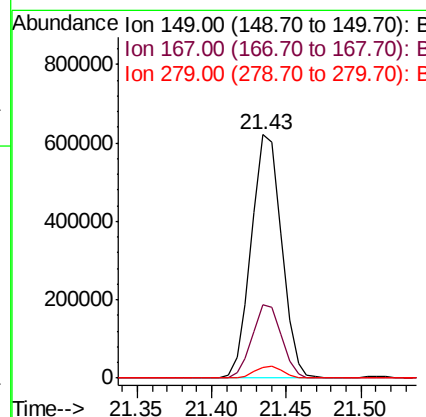
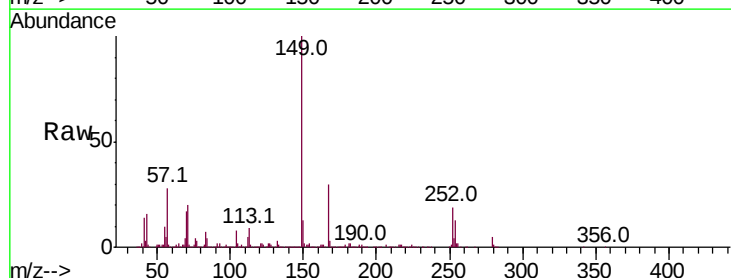
Manual Integrations
 APPROVED

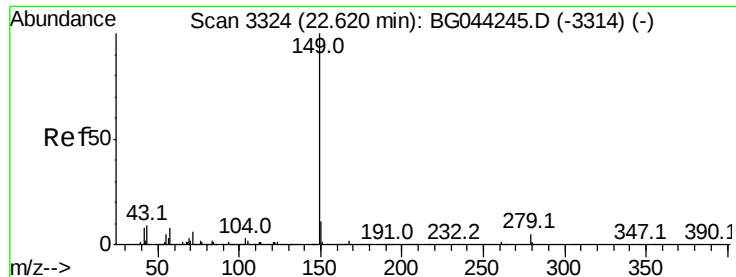
mohammad
 2/13/2020 3:32:47 PM



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 49.916 ng
 RT: 21.43 min Scan# 3122
 Delta R.T. -0.00 min
 Lab File: BG044401.D
 Acq: 11 Feb 2020 23:09

Tgt Ion	Ratio	Lower	Upper
149	100		
167	29.9	24.0	36.0
279	4.6	3.8	5.8





#85

Di-n-octyl phthalate

Concen: 50.005 ng

RT: 22.60 min Scan# 3321

Delta R.T. -0.00 min

Lab File: BG044401.D

Acq: 11 Feb 2020 23:09

Instrument :

BNA_G

ClientSampleId :

HAM-WC-S-SB-BCMS

Tot Ion:149 Resp: 1507764

Ion Ratio Lower Upper

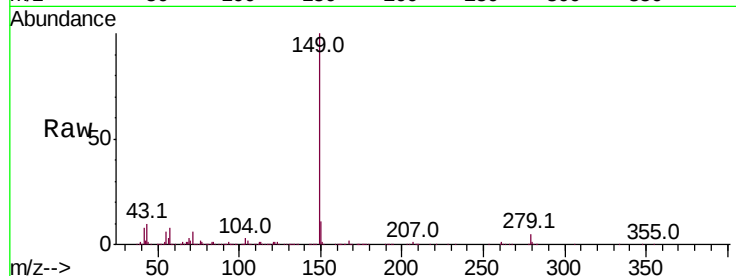
149 100

167 1.8 1.3 1.9

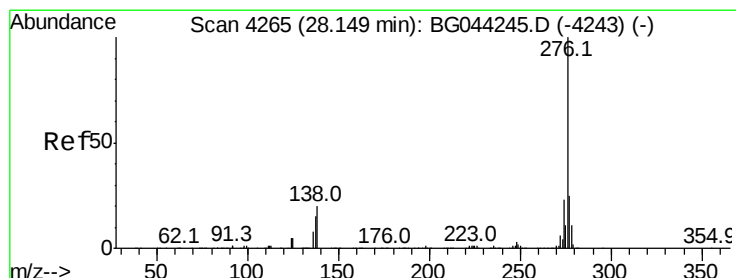
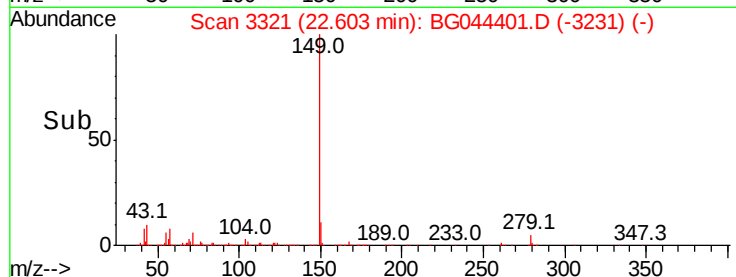
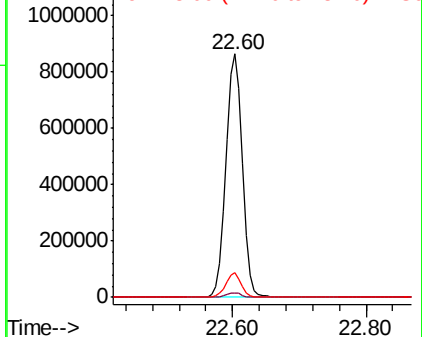
43 9.3 7.4 11.0

Manual Integrations
APPROVED

mohammad
2/13/2020 3:32:47 PM



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: 49.262 ng

RT: 28.12 min Scan# 4260

Delta R.T. 0.00 min

Lab File: BG044401.D

Acq: 11 Feb 2020 23:09

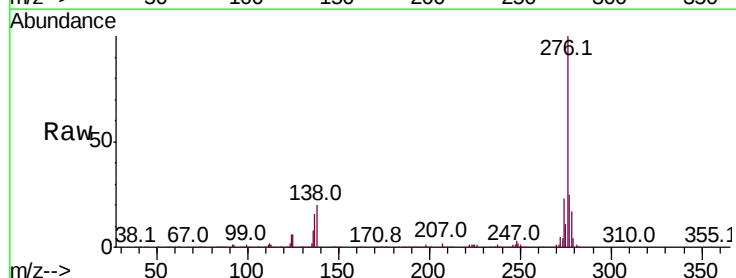
Tgt Ion:276 Resp: 1656361

Ion Ratio Lower Upper

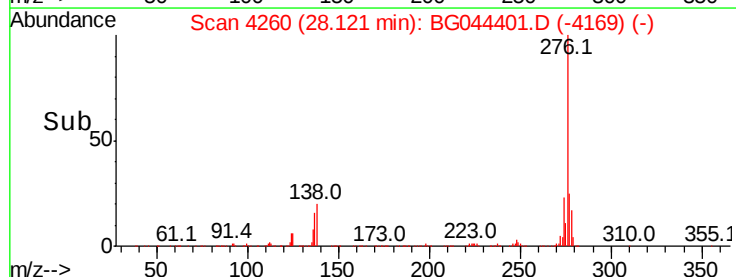
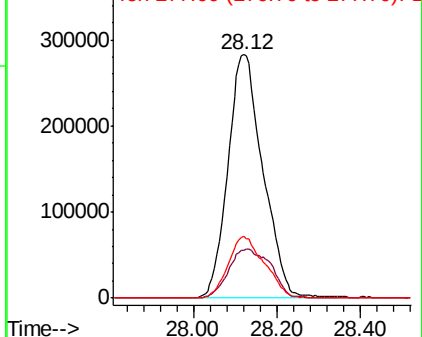
276 100

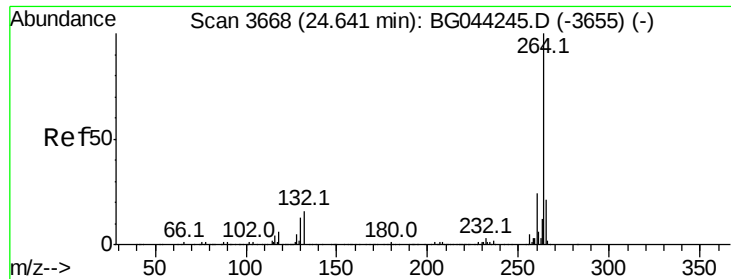
138 24.3 19.4 29.0

277 26.2 21.0 31.6



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





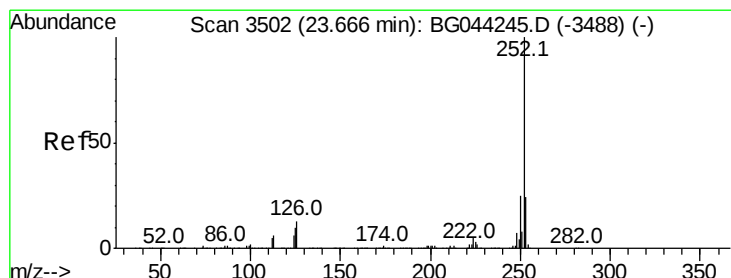
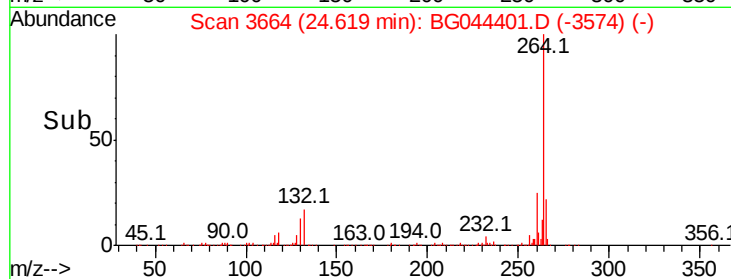
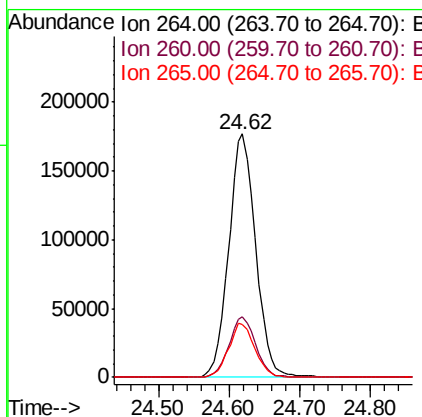
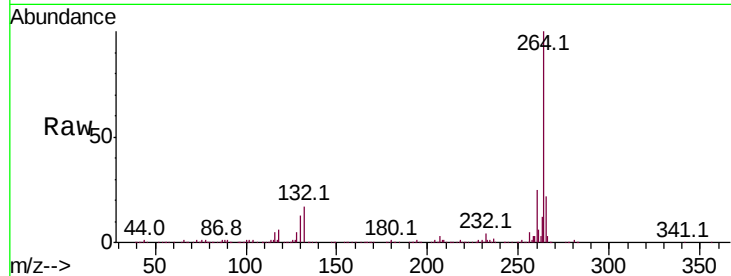
#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.62 min Scan# 3664
Delta R.T. -0.00 min
Lab File: BG044401.D
Acq: 11 Feb 2020 23:09

Instrument :
BNA_G
ClientSampleId :
HAM-WC-S-SB-BCMS

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.4	29.2
265	21.9	16.7	25.1

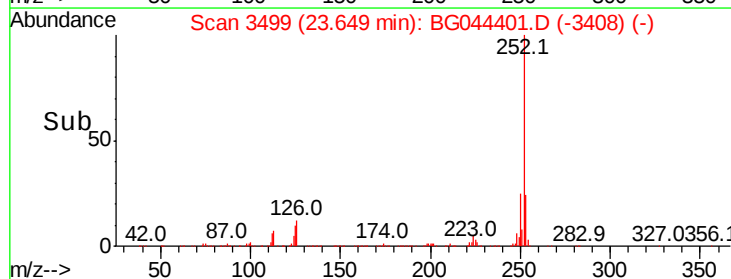
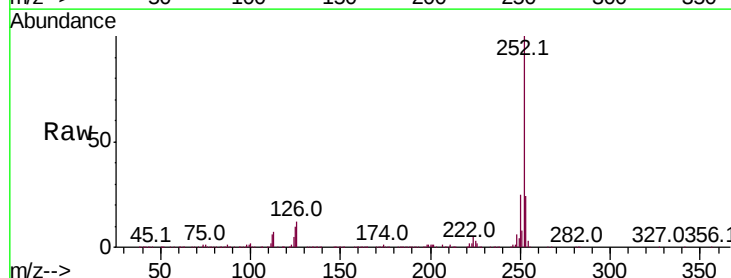
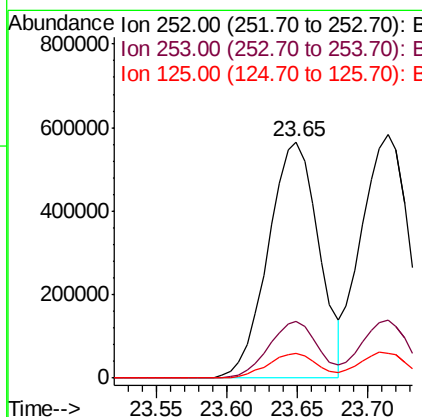
Manual Integrations
APPROVED

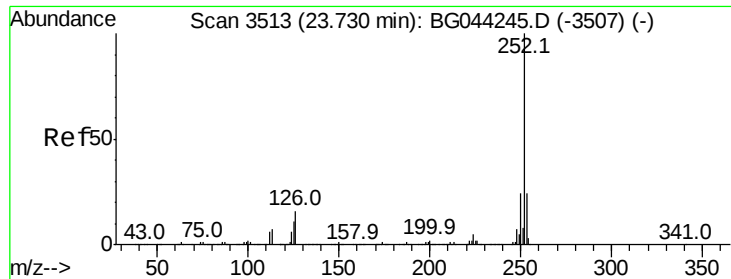
mohammad
2/13/2020 3:32:47 PM



#88
Benzo(b)fluoranthene
Concen: 52.496 ng
RT: 23.65 min Scan# 3499
Delta R.T. 0.00 min
Lab File: BG044401.D
Acq: 11 Feb 2020 23:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	19.2	28.8
125	10.4	8.4	12.6





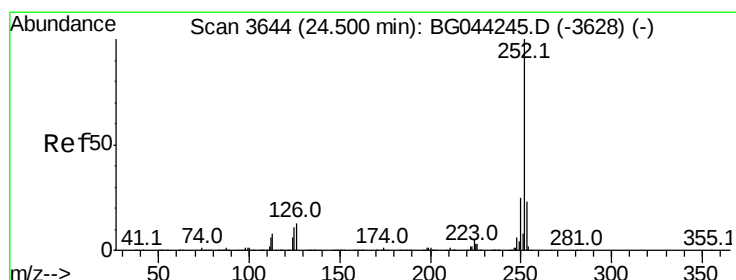
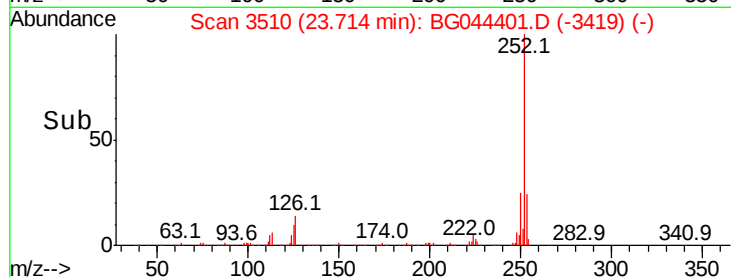
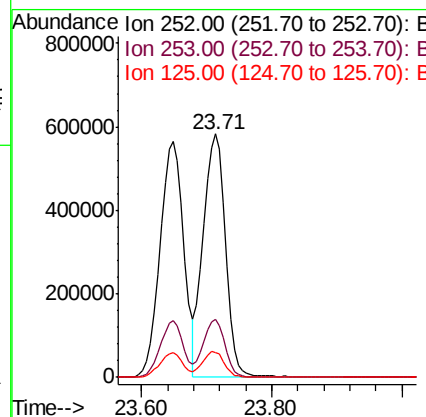
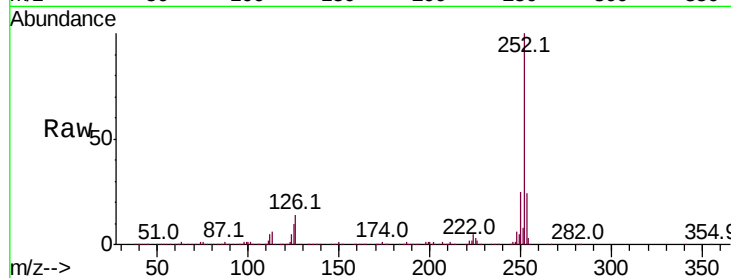
#89
Benzo(k)fluoranthene
Concen: 52.732 ng
RT: 23.71 min Scan# 3510
Delta R.T. 0.00 min
Lab File: BG044401.D
Acq: 11 Feb 2020 23:09

Instrument :
BNA_G
ClientSampleId :
HAM-WC-S-SB-BCMS

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	19.1	28.7
125	10.4	8.6	12.8

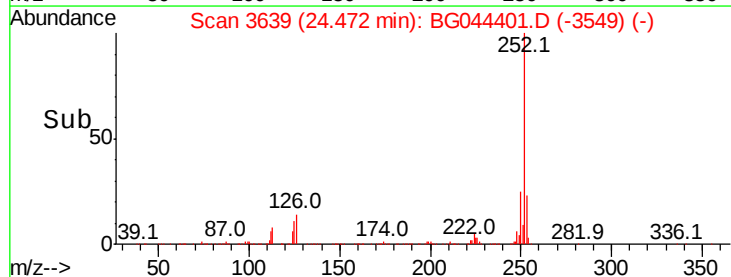
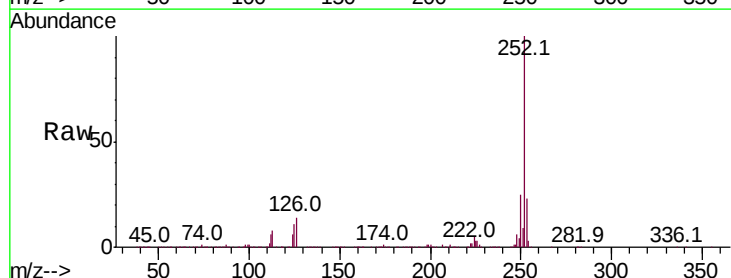
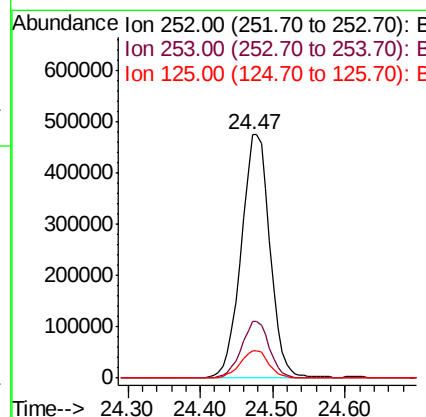
Manual Integrations
APPROVED

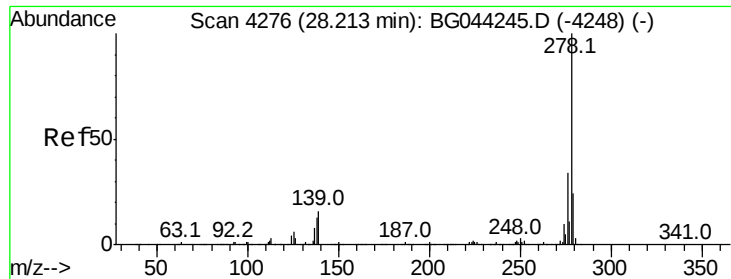
mohammad
2/13/2020 3:32:47 PM



#90
Benzo(a)pyrene
Concen: 51.350 ng
RT: 24.47 min Scan# 3639
Delta R.T. -0.00 min
Lab File: BG044401.D
Acq: 11 Feb 2020 23:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.1	27.1
125	11.4	8.6	13.0





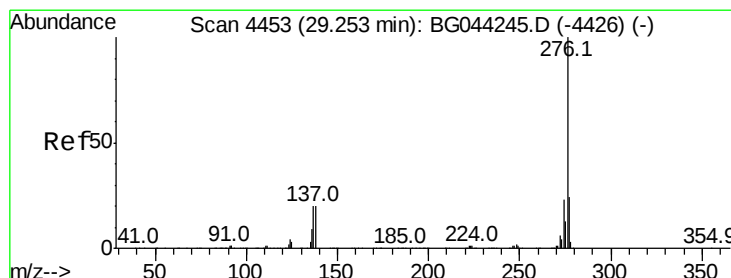
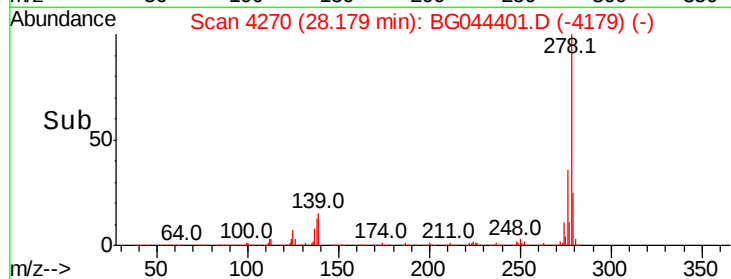
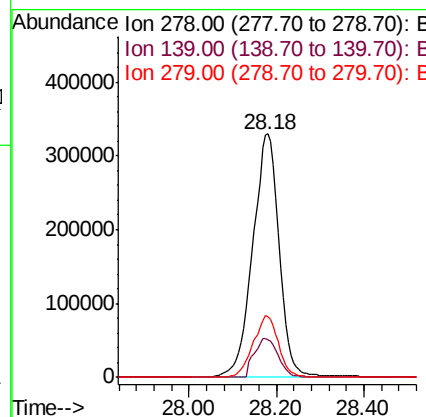
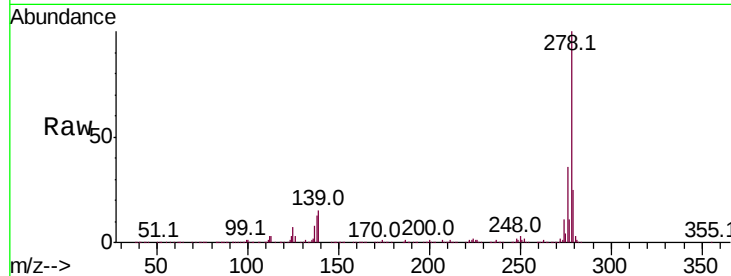
#91
Dibenzo(a,h)anthracene
Concen: 53.693 ng
RT: 28.18 min Scan# 4270
Delta R.T. 0.00 min
Lab File: BG044401.D
Acq: 11 Feb 2020 23:09

Instrument :
BNA_G
ClientSampleId :
HAM-WC-S-SB-BCMS

Tot Ion	Ratio	Lower	Upper
278	100		
139	15.5	12.7	19.1
279	24.7	19.3	28.9

Manual Integrations
APPROVED

mohammad
2/13/2020 3:32:47 PM



#92
Benzo(g,h,i)perylene
Concen: 55.028 ng
RT: 29.21 min Scan# 4445
Delta R.T. 0.00 min
Lab File: BG044401.D
Acq: 11 Feb 2020 23:09

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.6	18.8	28.2
138	21.6	16.2	24.2

