

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG051120\
 Data File : BG045316.D
 Acq On : 12 May 2020 5:23
 Operator : CG/JU
 Sample : L2557-02MSD
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-12AMSD

Manual Integrations
 APPROVED

mohammad
 5/13/2020 8:15:26 AM

Quant Time: May 12 06:08:21 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 11 13:27:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.97	152	76444	20.00	ng	0.00
21) Naphthalene-d8	10.79	136	316265	20.00	ng	0.00
39) Acenaphthene-d10	14.62	164	231908	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	562111	20.00	ng	0.00
76) Chrysene-d12	21.63	240	511832	20.00	ng	0.00
87) Perylene-d12	24.80	264	583219	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.55	112	366855	79.23	ng	0.00
7) Phenol-d6	7.14	99	523019	76.03	ng	0.00
23) Nitrobenzene-d5	9.13	82	328391	47.38	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	258351	72.11	ng	0.00
45) 2-Fluorobiphenyl	13.24	172	782209	49.46	ng	0.00
79) Terphenyl-d14	19.98	244	1385972	59.02	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.43	88	72599	35.28	ng	96
3) Pyridine	3.82	79	172695	27.26	ng	94
4) n-Nitrosodimethylamine	3.74	42	79835	41.13	ng	90
6) Aniline	7.30	93	273198	30.54	ng	97
8) 2-Chlorophenol	7.54	128	219031	44.01	ng	98
9) Benzaldehyde	7.10	77	164139	43.36	ng	98
10) Phenol	7.17	94	296215	43.03	ng	96
11) bis(2-Chloroethyl)ether	7.39	93	201774	36.81	ng	96
12) 1,3-Dichlorobenzene	7.87	146	230668	39.34	ng	96
13) 1,4-Dichlorobenzene	8.01	146	232373	39.77	ng	98
14) 1,2-Dichlorobenzene	8.33	146	218176	39.03	ng	93
15) Benzyl Alcohol	8.21	79	223562	38.76	ng	97
16) 2,2'-oxybis(1-Chloropropan	8.51	45	180131	33.48	ng	96
17) 2-Methylphenol	8.42	107	196048	36.91	ng	96
18) Hexachloroethane	9.07	117	87528	39.85	ng	99
19) n-Nitroso-di-n-propylamine	8.78	70	171438	35.24	ng	98
20) 3+4-Methylphenols	8.75	107	290531	39.08	ng	97
22) Acetophenone	8.79	105	328488	38.41	ng	98
24) Nitrobenzene	9.18	77	271830	38.26	ng	95
25) Isophorone	9.70	82	489190	34.46	ng	98
26) 2-Nitrophenol	9.89	139	122149	39.91	ng	96
27) 2,4-Dimethylphenol	9.96	122	204881	42.19	ng	95
28) bis(2-Chloroethoxy)methane	10.19	93	270769	36.31	ng	99
29) 2,4-Dichlorophenol	10.43	162	228265	40.71	ng	97
30) 1,2,4-Trichlorobenzene	10.65	180	247878	39.05	ng	98
31) Naphthalene	10.83	128	659787	38.14	ng	98
32) Benzoic acid	10.12	122	122276	33.41	ng	96
33) 4-Chloroaniline	10.94	127	166669	20.66	ng	98
34) Hexachlorobutadiene	11.13	225	161085	37.01	ng	98
35) Caprolactam	11.71	113	82370m	36.91	ng	
36) 4-Chloro-3-methylphenol	12.07	107	259377	39.38	ng	97
37) 2-Methylnaphthalene	12.44	142	506621	37.73	ng	99
38) 1-Methylnaphthalene	12.66	142	484568m	38.22	ng	
40) 1,2,4,5-Tetrachlorobenzene	12.81	216	285752	38.27	ng	99

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG051120\
 Data File : BG045316.D
 Acq On : 12 May 2020 5:23
 Operator : CG/JU
 Sample : L2557-02MSD
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleID :
 TP-12AMSD

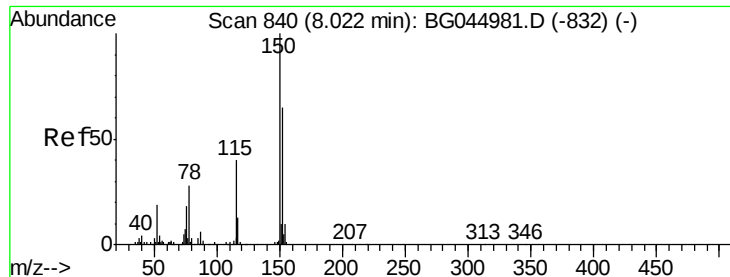
Manual Integrations
 APPROVED

mohammad
 5/13/2020 8:15:26 AM

Quant Time: May 12 06:08:21 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 11 13:27:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.80	237	332694	71.29	ng	96
43) 2,4,6-Trichlorophenol	13.05	196	208631	39.59	ng	95
44) 2,4,5-Trichlorophenol	13.12	196	217213	36.21	ng	97
46) 1,1'-Biphenyl	13.45	154	646560	36.68	ng	99
47) 2-Chloronaphthalene	13.49	162	504048	37.42	ng	99
48) 2-Nitroaniline	13.69	65	165542	37.36	ng	96
49) Acenaphthylene	14.34	152	837515	38.18	ng	100
50) Dimethylphthalate	14.08	163	751191	39.78	ng	99
51) 2,6-Dinitrotoluene	14.19	165	157327	37.25	ng	97
52) Acenaphthene	14.69	154	627062m	42.25	ng	
53) 3-Nitroaniline	14.52	138	113984	24.61	ng	90
54) 2,4-Dinitrophenol	14.73	184	190980	76.04	ng	93
55) Dibenzofuran	15.02	168	810676	37.46	ng	96
56) 4-Nitrophenol	14.84	139	276922	77.10	ng	97
57) 2,4-Dinitrotoluene	14.98	165	233388	37.81	ng	93
58) Fluorene	15.67	166	677488	38.33	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.25	232	214755	40.24	ng	99
60) Diethylphthalate	15.44	149	708533	35.99	ng	100
61) 4-Chlorophenyl-phenylether	15.66	204	369857	36.35	ng	99
62) 4-Nitroaniline	15.69	138	159801	33.26	ng	89
63) Azobenzene	15.96	77	683109	37.63	ng	99
65) 4,6-Dinitro-2-methylphenol	15.75	198	143997	38.97	ng	98
66) n-Nitrosodiphenylamine	15.87	169	600315	37.17	ng	97
67) 4-Bromophenyl-phenylether	16.55	248	264672	36.50	ng	98
68) Hexachlorobenzene	16.68	284	290170	38.58	ng	95
69) Atrazine	16.83	200	236572	39.59	ng	96
70) Pentachlorophenol	17.02	266	345137	74.81	ng	100
71) Phenanthrene	17.41	178	1106190	38.30	ng	99
72) Anthracene	17.50	178	1136239	39.21	ng	99
73) Carbazole	17.77	167	1053876	35.84	ng	98
74) Di-n-butylphthalate	18.33	149	1231034	37.44	ng	99
75) Fluoranthene	19.42	202	1362837	39.37	ng	98
77) Benzidine	19.60	184	887803	62.16	ng	97
78) Pyrene	19.78	202	1358019	38.49	ng	99
80) Butylbenzylphthalate	20.67	149	557364	38.11	ng	98
81) Benzo(a)anthracene	21.61	228	1290101	38.89	ng	99
82) 3,3'-Dichlorobenzidine	21.52	252	323537	24.50	ng	96
83) Chrysene	21.68	228	1242482	38.98	ng	99
84) Bis(2-ethylhexyl)phthalate	21.53	149	776879	38.62	ng	99
85) Di-n-octyl phthalate	22.72	149	1326532	38.13	ng	100
86) Indeno(1,2,3-cd)pyrene	28.40	276	1655705	39.12	ng	99
88) Benzo(b)fluoranthene	23.80	252	1368798	37.47	ng	98
89) Benzo(k)fluoranthene	23.86	252	1342652	38.65	ng	98
90) Benzo(a)pyrene	24.65	252	1271973	36.88	ng	# 98
91) Dibenzo(a,h)anthracene	28.46	278	1346592	38.74	ng	98
92) Benzo(g,h,i)perylene	29.52	276	1380790	39.63	ng	97

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.97 min Scan# 831

Delta R.T. -0.01 min

Lab File: BG045316.D

Acq: 12 May 2020 5:23

Instrument :

BNA_G

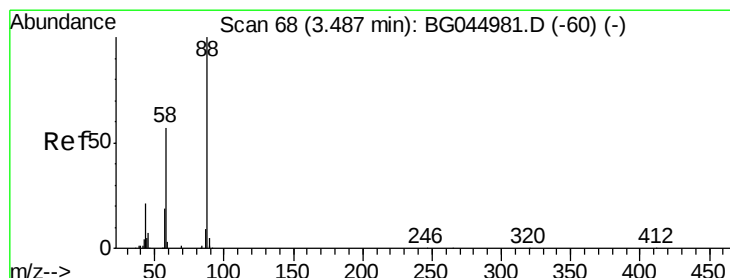
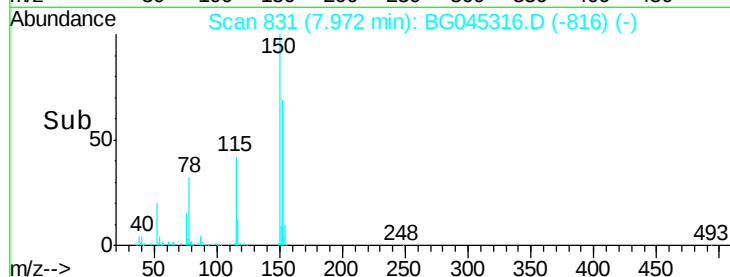
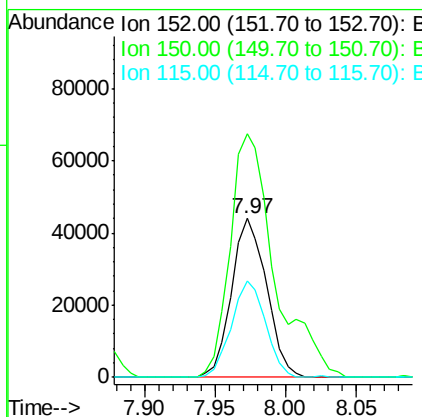
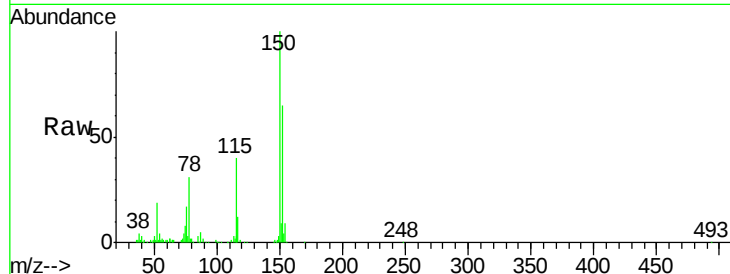
ClientSampleId :

TP-12AMSD

Tgt Ion:	152	Resp:	76444
Ion Ratio	Lower	Upper	
152	100		
150	153.3	123.6	185.4
115	60.9	49.1	73.7

Manual Integrations
APPROVED

mohammad
5/13/2020 8:15:26 AM



#2

1,4-Dioxane

Concen: 35.28 ng

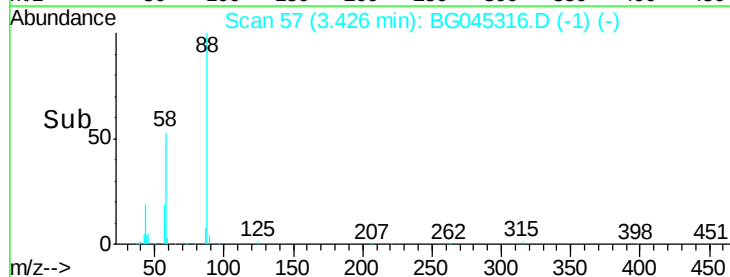
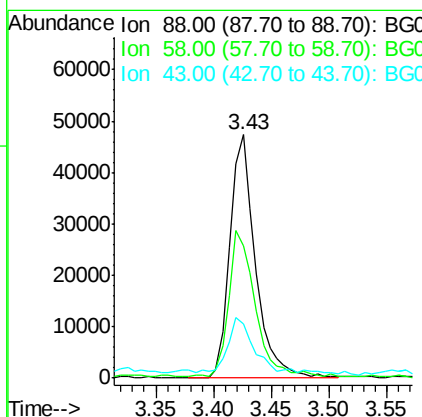
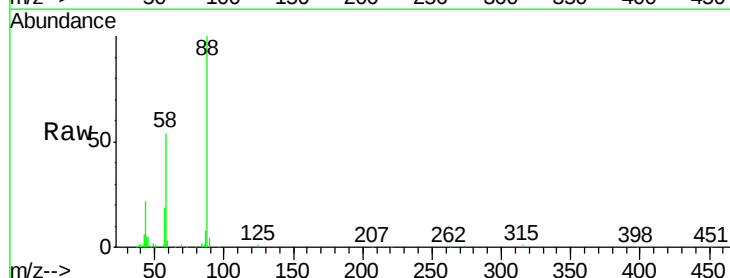
RT: 3.43 min Scan# 57

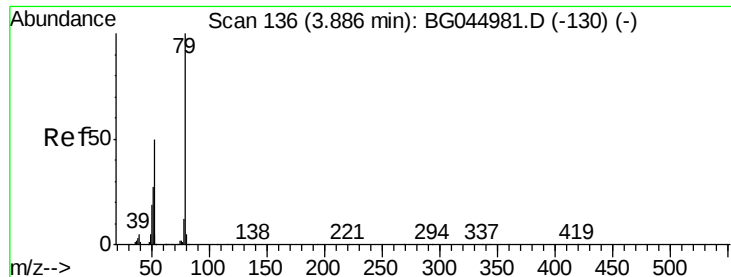
Delta R.T. -0.01 min

Lab File: BG045316.D

Acq: 12 May 2020 5:23

Tgt Ion:	88	Resp:	72599
Ion Ratio	Lower	Upper	
88	100		
58	62.2	46.6	69.8
43	21.9	17.5	26.3





#3

Pyridine

Concen: 27.26 ng

RT: 3.82 min Scan# 124

Delta R.T. -0.02 min

Lab File: BG045316.D

Acq: 12 May 2020 5:23

Instrument :

BNA_G

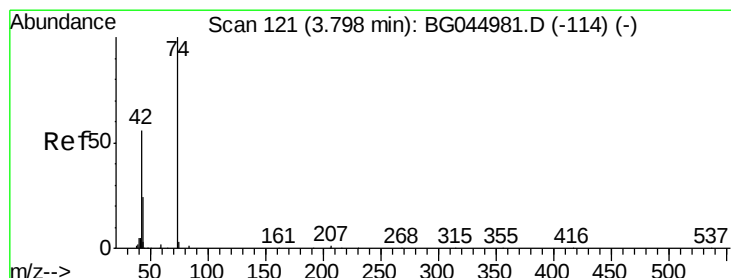
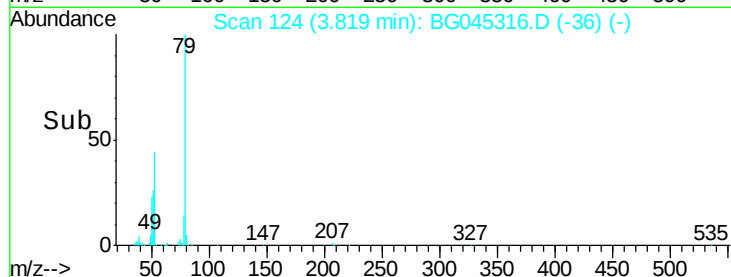
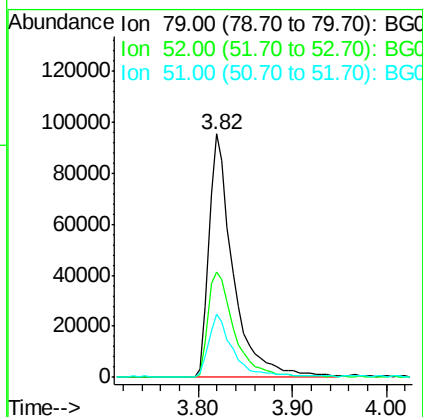
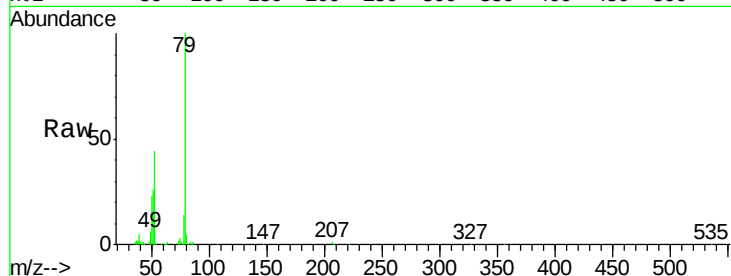
ClientSampleId :

TP-12AMSD

Tgt Ion:	79	Resp:	172695
Ion	Ratio	Lower	Upper
79	100		
52	43.5	39.8	59.6
51	26.2	21.4	32.2

Manual Integrations
APPROVED

mohammad
5/13/2020 8:15:26 AM



#4

n-Nitrosodimethylamine

Concen: 41.13 ng

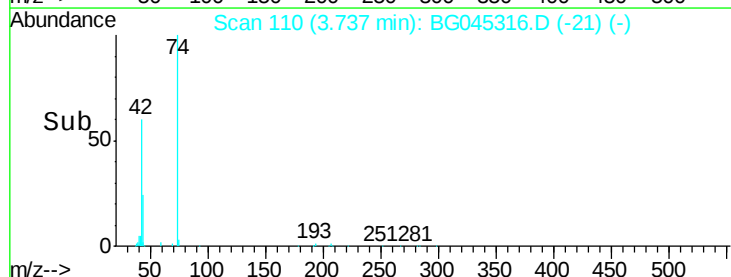
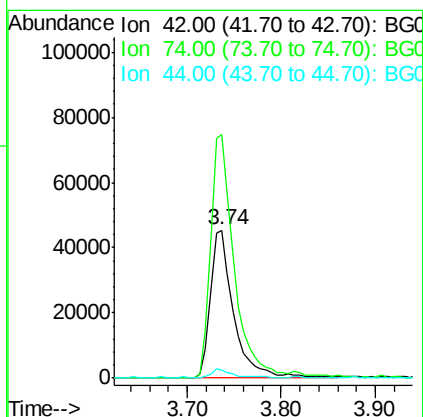
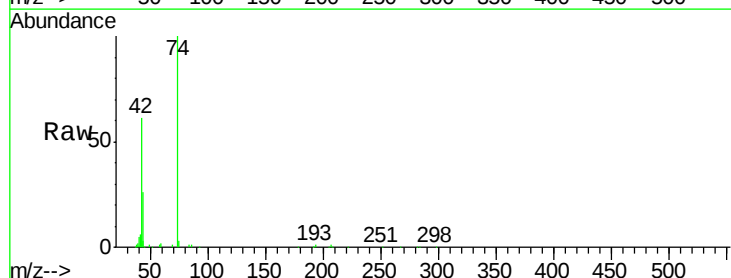
RT: 3.74 min Scan# 110

Delta R.T. -0.01 min

Lab File: BG045316.D

Acq: 12 May 2020 5:23

Tgt Ion:	42	Resp:	79835
Ion	Ratio	Lower	Upper
42	100		
74	164.6	143.0	214.6
44	5.1	4.6	6.8





#5

2-Fluorophenol

Concen: 79.23 ng

RT: 5.55 min Scan# 418

Delta R.T. -0.00 min

Lab File: BG045316.D

Acq: 12 May 2020 5:23

Instrument :

BNA_G

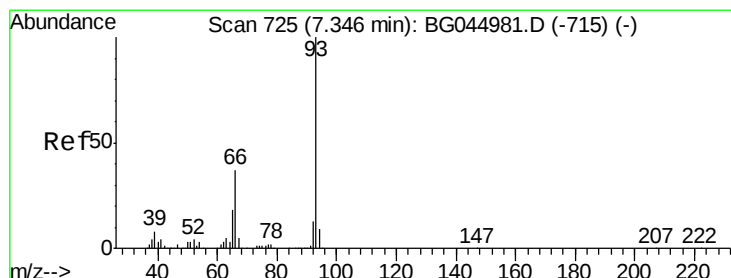
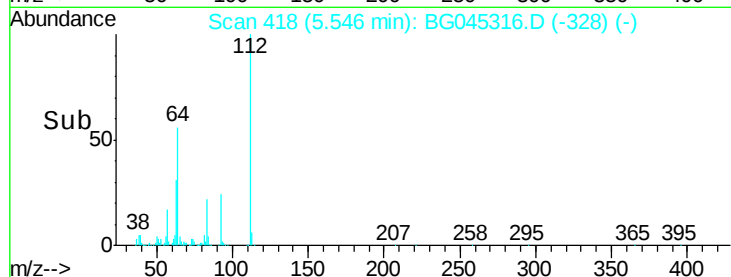
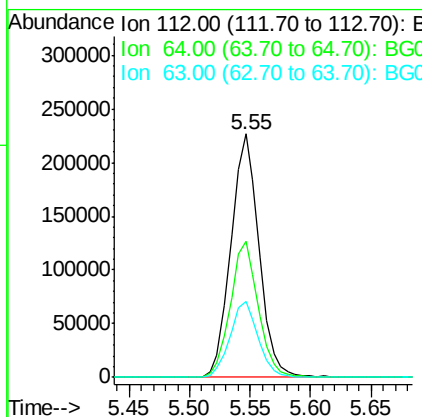
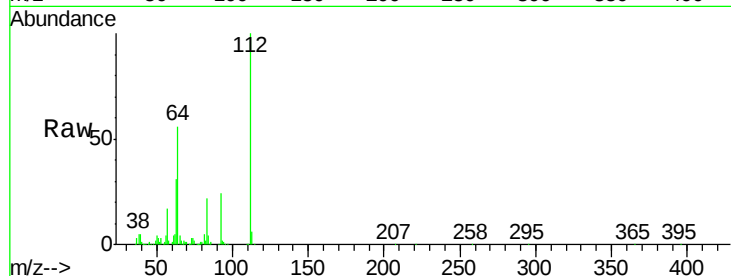
ClientSampleId :

TP-12AMSD

Tgt Ion:	112	Resp:	366855
Ion Ratio	Lower	Upper	
112	100		
64	55.9	42.4	63.6
63	31.2	23.1	34.7

Manual Integrations
APPROVED

mohammad
5/13/2020 8:15:26 AM



#6

Aniline

Concen: 30.54 ng

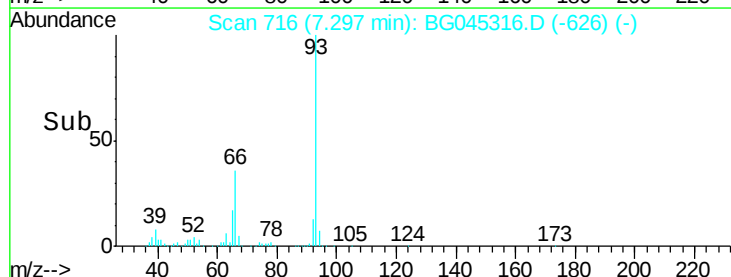
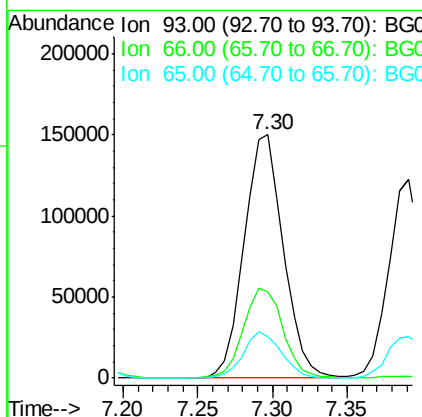
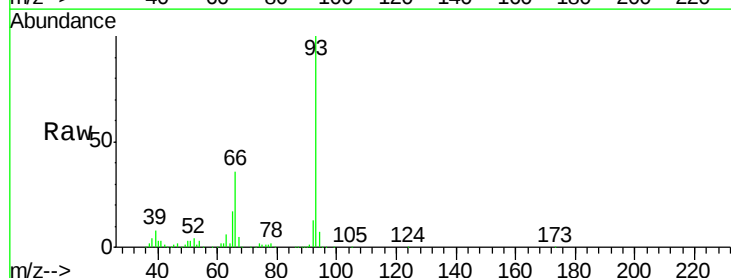
RT: 7.30 min Scan# 716

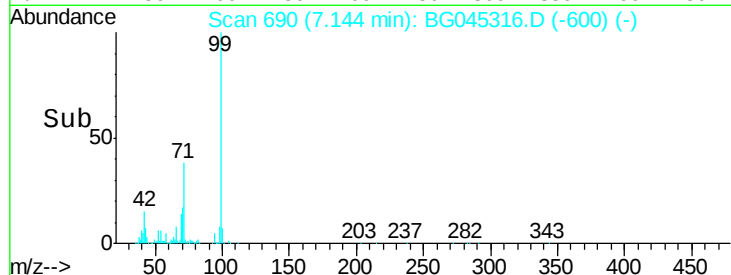
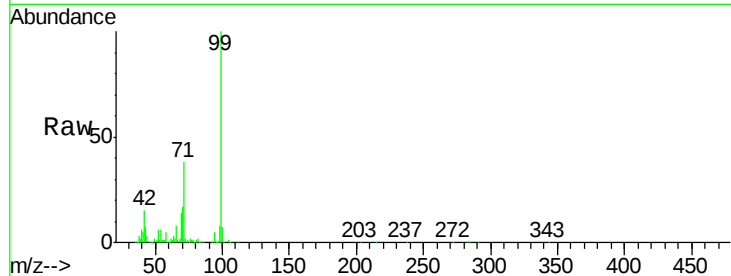
Delta R.T. -0.00 min

Lab File: BG045316.D

Acq: 12 May 2020 5:23

Tgt Ion:	93	Resp:	273198
Ion Ratio	Lower	Upper	
93	100		
66	35.5	29.8	44.8
65	17.2	14.6	22.0





#7

Phenol-d6

Concen: 76.03 ng

RT: 7.14 min Scan# 690

Delta R.T. -0.00 min

Lab File: BG045316.D

Acq: 12 May 2020 5:23

Tgt Ion	Ratio	Resp	Lower	Upper
99	100	523019		
42	14.8		11.3	16.9
71	38.4		28.3	42.5

Instrument :

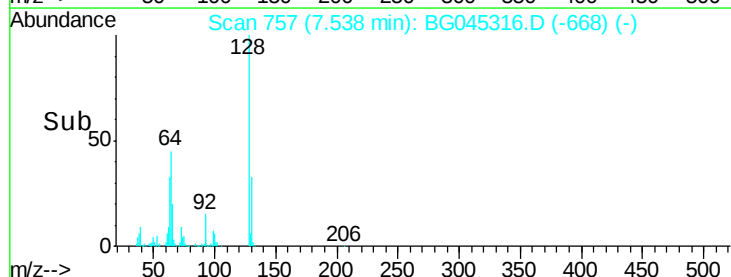
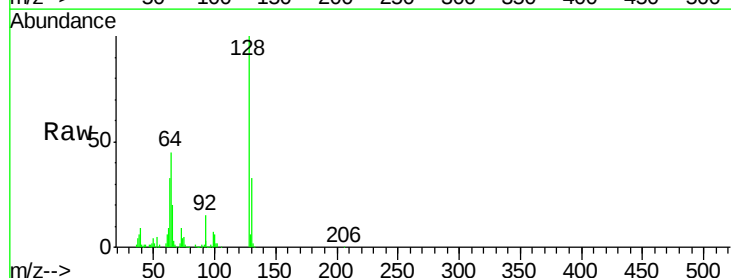
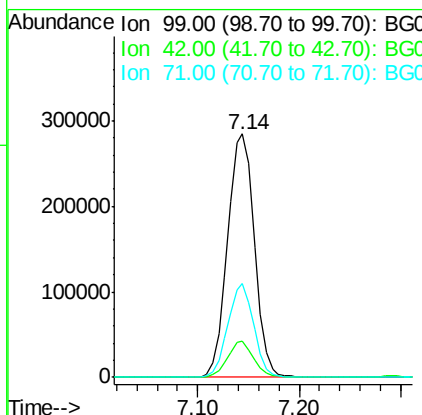
BNA_G

ClientSampleId :

TP-12AMSD

Manual Integrations
APPROVED

mohammad
5/13/2020 8:15:26 AM



#8

2-Chlorophenol

Concen: 44.01 ng

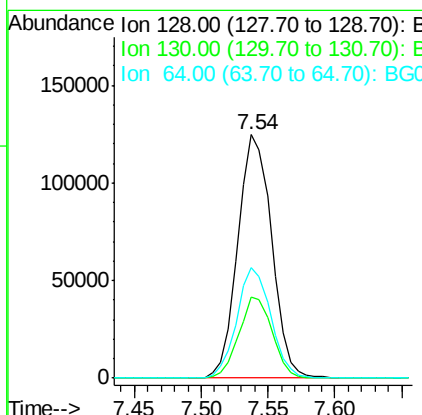
RT: 7.54 min Scan# 757

Delta R.T. -0.01 min

Lab File: BG045316.D

Acq: 12 May 2020 5:23

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	219031		
130	33.2		12.3	52.3
64	45.4		24.4	64.4





#9

Benzaldehyde

Concen: 43.36 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.01 min

Lab File: BG045316.D

Acq: 12 May 2020 5:23

Instrument :

BNA_G

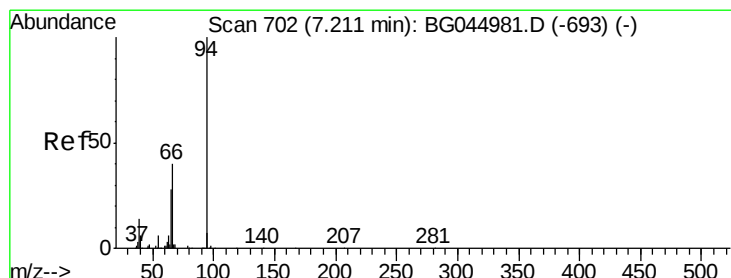
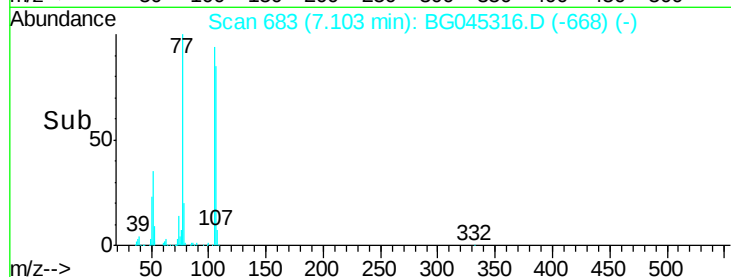
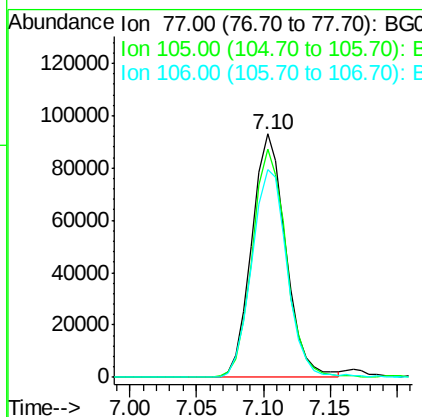
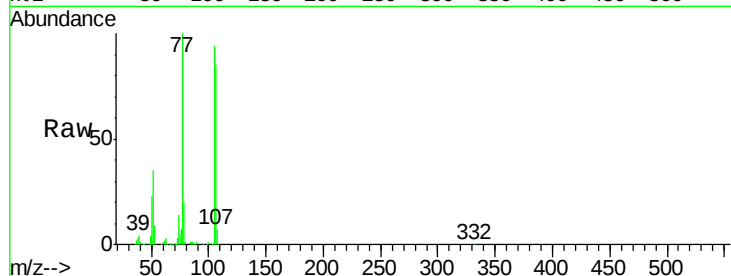
ClientSampleId :

TP-12AMSD

Tgt Ion:	77	Resp:	164139
Ion Ratio	Lower	Upper	
77	100		
105	94.0	72.9	112.9
106	85.1	67.6	107.6

Manual Integrations
APPROVED

mohammad
5/13/2020 8:15:26 AM



#10

Phenol

Concen: 43.03 ng

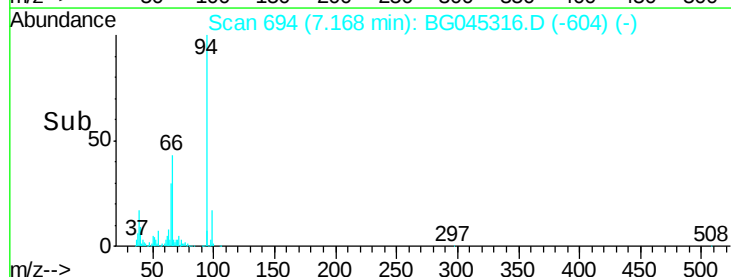
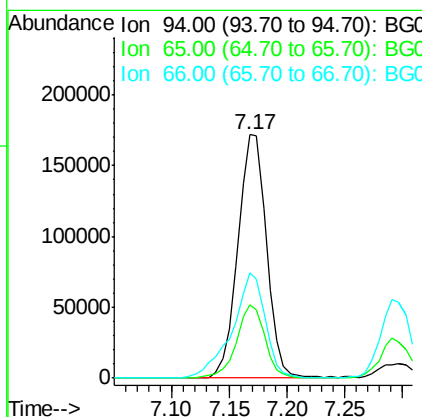
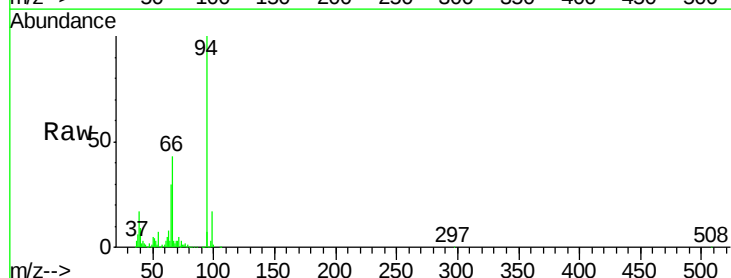
RT: 7.17 min Scan# 694

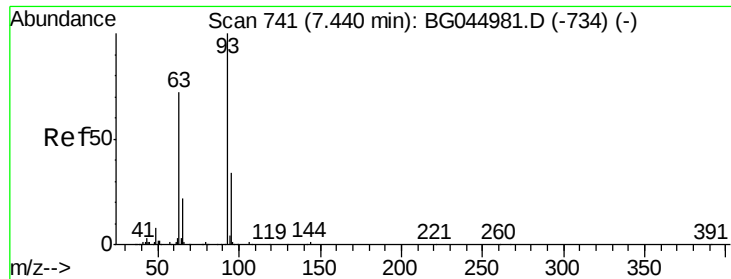
Delta R.T. -0.00 min

Lab File: BG045316.D

Acq: 12 May 2020 5:23

Tgt Ion:	94	Resp:	296215
Ion Ratio	Lower	Upper	
94	100		
65	30.1	8.2	48.2
66	43.2	20.4	60.4





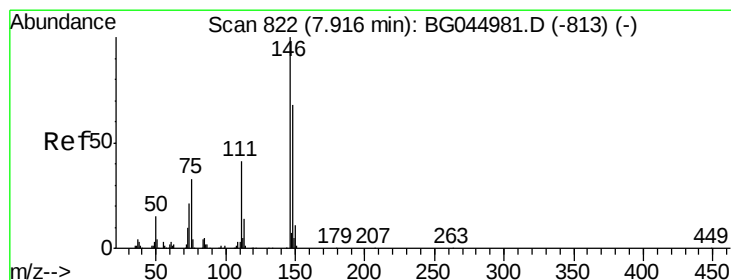
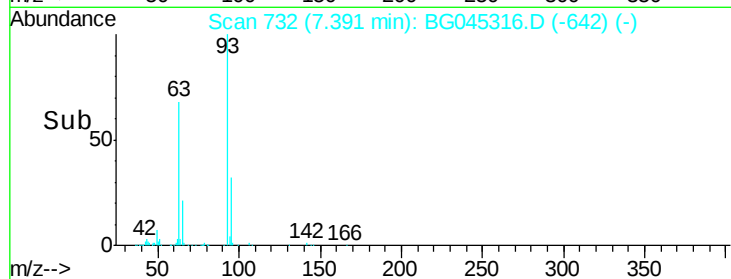
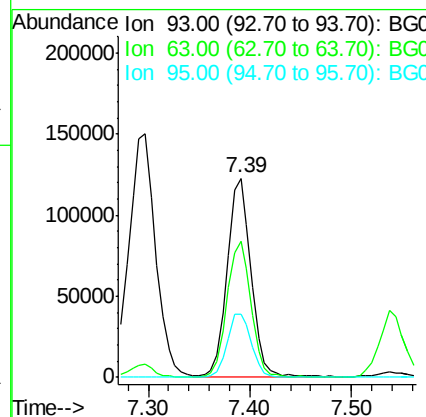
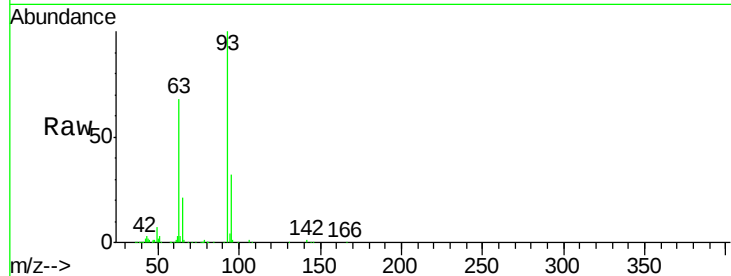
#11
bis(2-Chloroethyl)ether
Concen: 36.81 ng
RT: 7.39 min Scan# 732
Delta R.T. -0.00 min
Lab File: BG045316.D
Acq: 12 May 2020 5:23

Instrument :
BNA_G
ClientSampleId :
TP-12AMSD

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	201774		
63	68.3	51.8	91.8	
95	31.9	13.8	53.8	

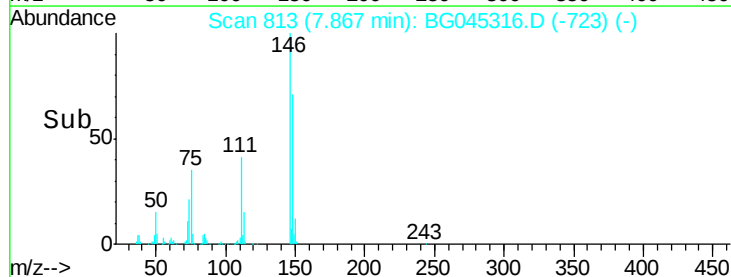
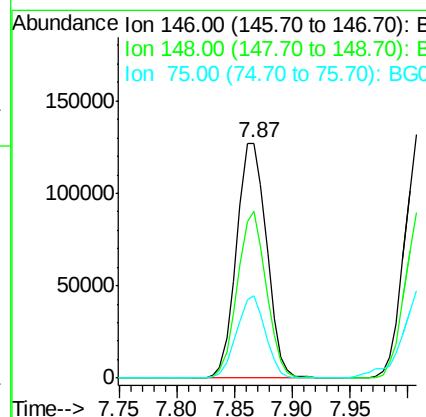
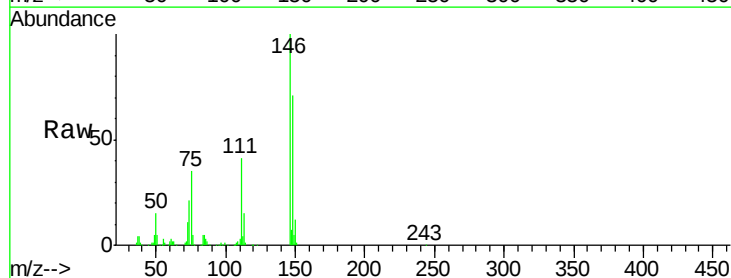
Manual Integrations
APPROVED

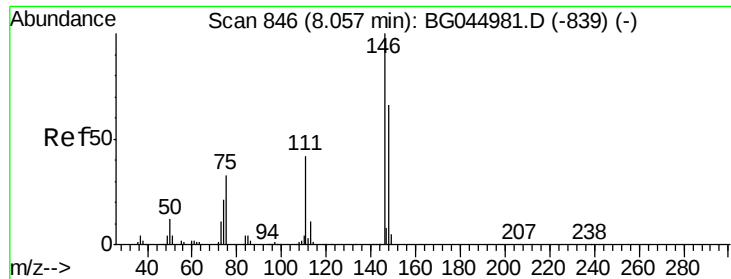
mohammad
5/13/2020 8:15:26 AM



#12
1,3-Dichlorobenzene
Concen: 39.34 ng
RT: 7.87 min Scan# 813
Delta R.T. -0.00 min
Lab File: BG045316.D
Acq: 12 May 2020 5:23

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	230668		
148	70.7	54.6	81.8	
75	35.1	26.0	39.0	





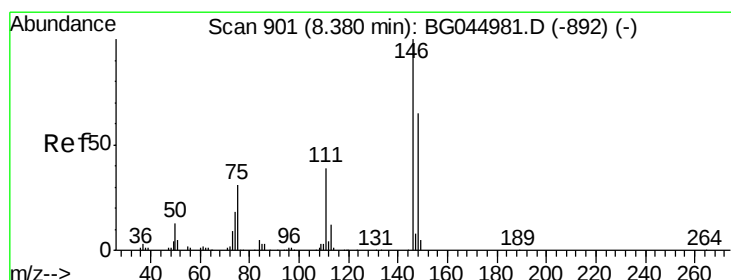
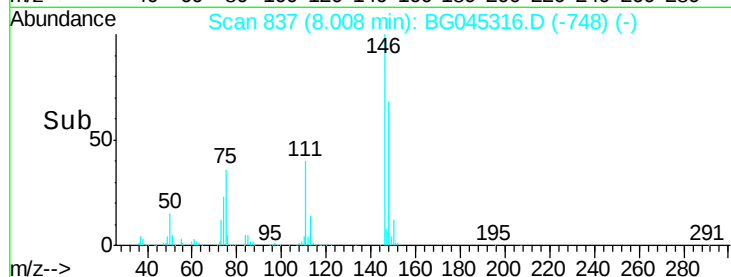
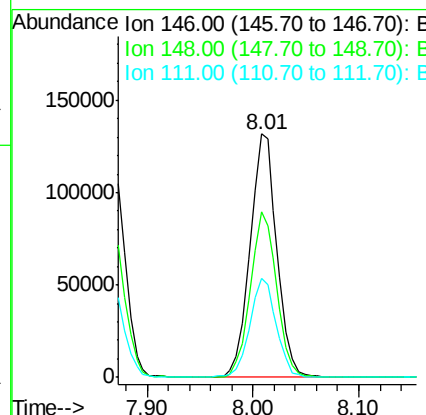
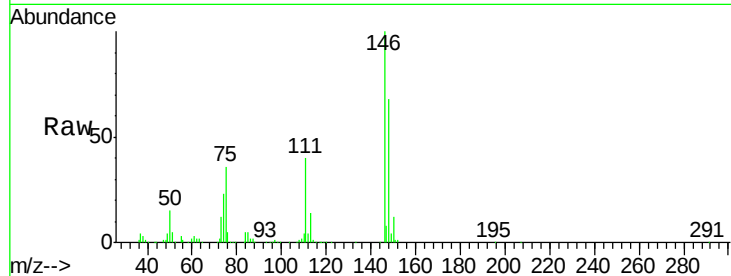
#13
 1,4-Dichlorobenzene
 Concen: 39.77 ng
 RT: 8.01 min Scan# 837
 Delta R.T. -0.01 min
 Lab File: BG045316.D
 Acq: 12 May 2020 5:23

Instrument :
 BNA_G
 ClientSampleId :
 TP-12AMSD

Tgt Ion	Ratio	Lower	Upper
146	100		
148	68.1	53.3	79.9
111	40.5	33.8	50.8

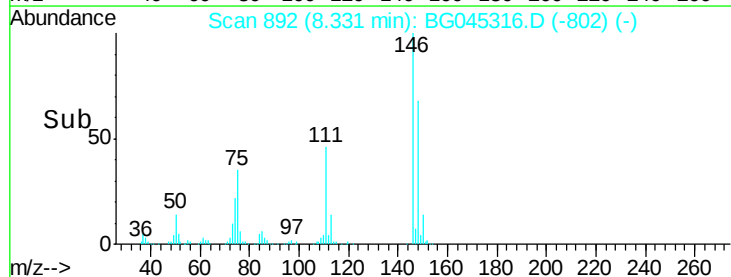
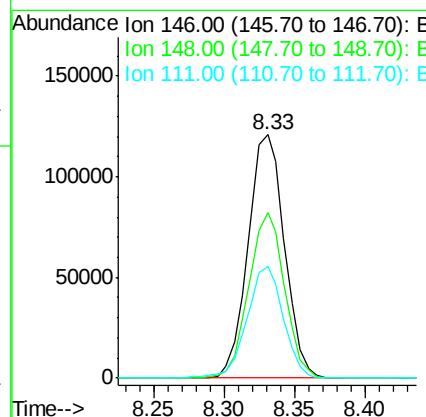
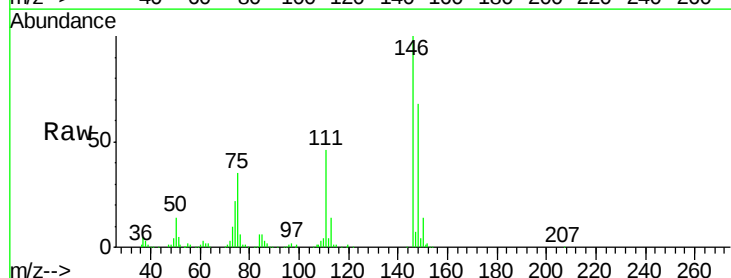
Manual Integrations
 APPROVED

mohammad
 5/13/2020 8:15:26 AM



#14
 1,2-Dichlorobenzene
 Concen: 39.03 ng
 RT: 8.33 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: BG045316.D
 Acq: 12 May 2020 5:23

Tgt Ion	Ratio	Lower	Upper
146	100		
148	68.0	51.9	77.9
111	45.7	31.3	46.9





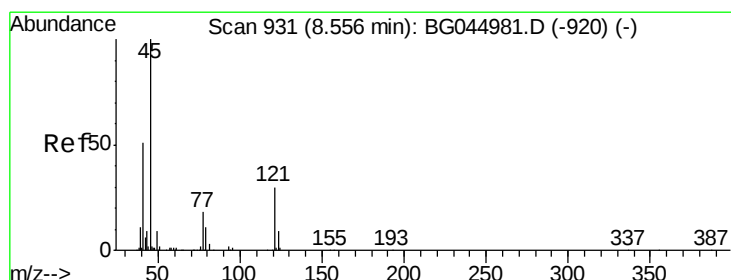
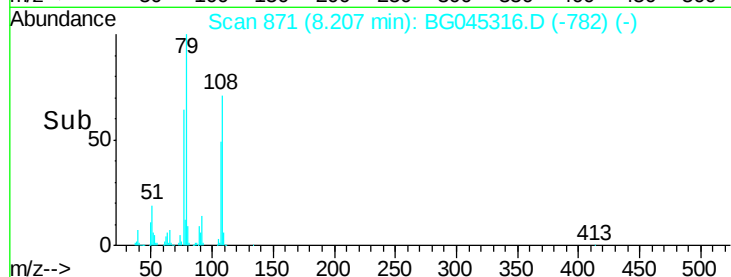
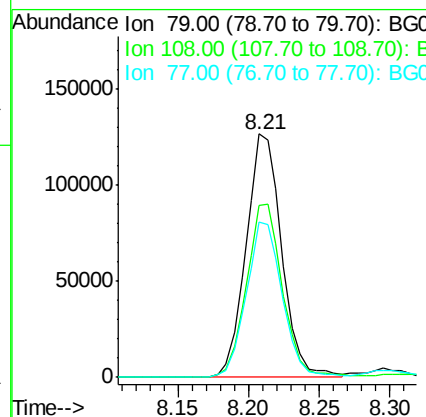
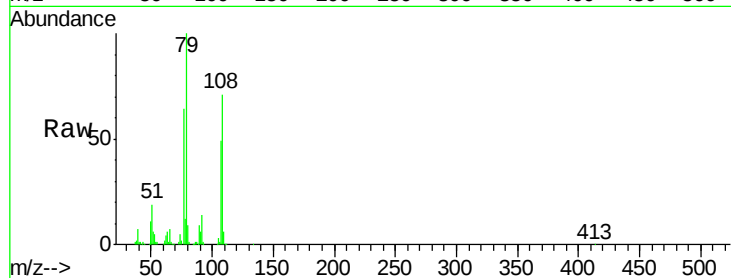
#15
Benzyl Alcohol
Concen: 38.76 ng
RT: 8.21 min Scan# 871
Delta R.T. -0.01 min
Lab File: BG045316.D
Acq: 12 May 2020 5:23

Instrument :
BNA_G
ClientSampleId :
TP-12AMSD

Tgt Ion	Ratio	Lower	Upper
79	100		
108	70.5	52.7	79.1
77	64.0	51.3	76.9

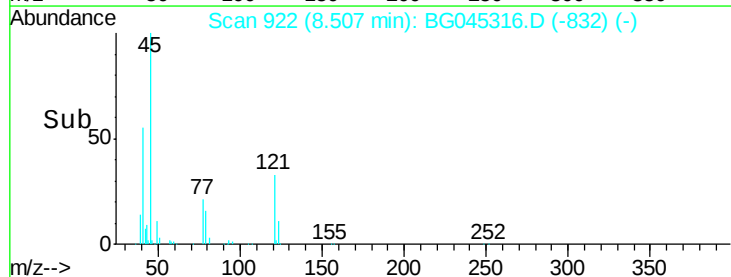
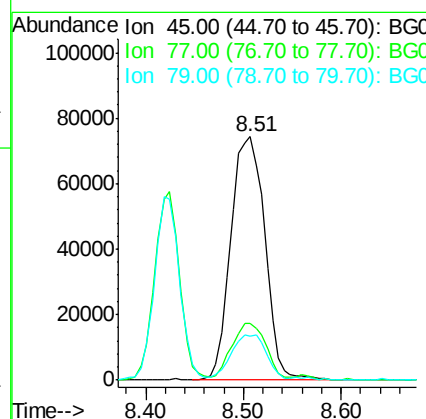
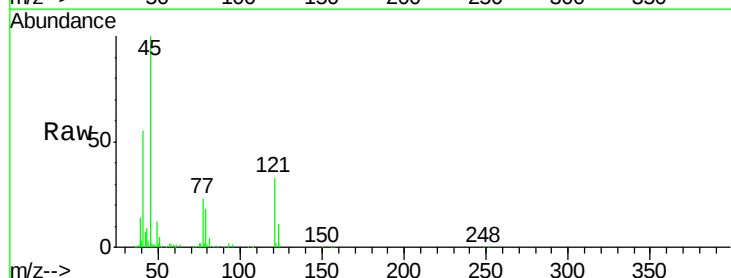
Manual Integrations
APPROVED

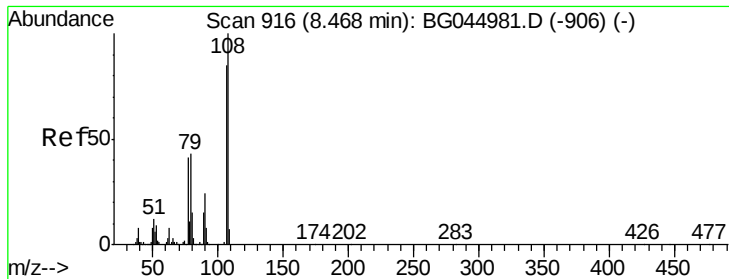
mohammad
5/13/2020 8:15:26 AM



#16
2,2'-oxybis(1-Chloropropane)
Concen: 33.48 ng
RT: 8.51 min Scan# 922
Delta R.T. -0.00 min
Lab File: BG045316.D
Acq: 12 May 2020 5:23

Tgt Ion	Ratio	Lower	Upper
45	100		
77	23.4	1.9	41.9
79	17.9	0.0	35.5





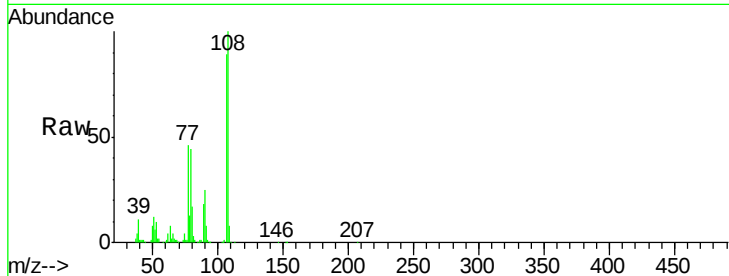
#17
2-Methylphenol
Concen: 36.91 ng
RT: 8.42 min Scan# 908
Delta R.T. -0.00 min
Lab File: BG045316.D
Acq: 12 May 2020 5:23

Instrument :
BNA_G
ClientSampleId :
TP-12AMSD

Tgt	Ion	Resp	Lower	Upper
107	100			
108	112.4	93.8	140.6	
77	51.6	38.5	57.7	
79	49.5	40.1	60.1	

Manual Integrations
APPROVED

mohammad
5/13/2020 8:15:26 AM



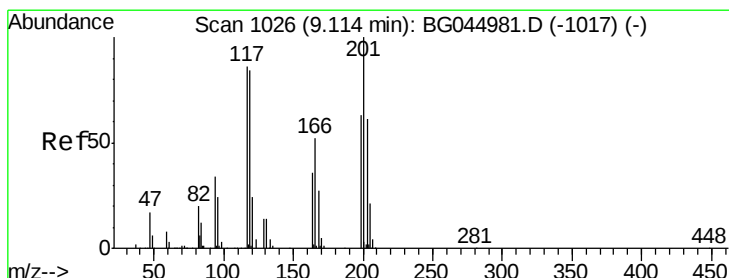
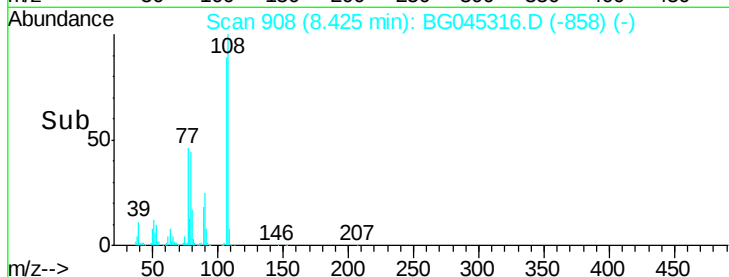
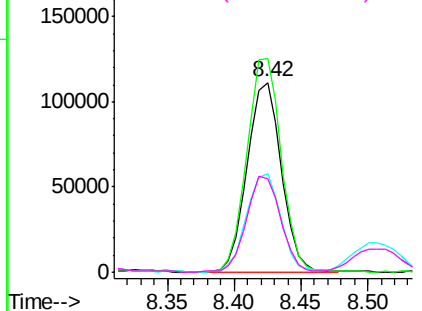
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

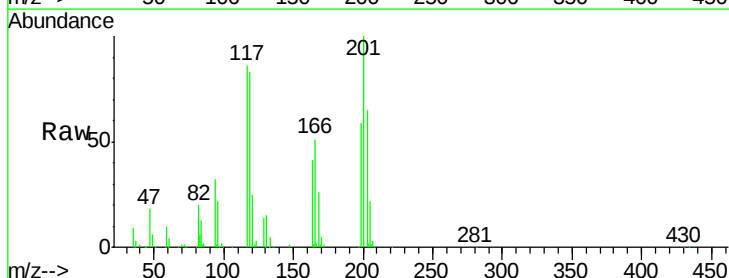
Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



#18
Hexachloroethane
Concen: 39.85 ng
RT: 9.07 min Scan# 1017
Delta R.T. -0.00 min
Lab File: BG045316.D
Acq: 12 May 2020 5:23

Tgt	Ion	Resp	Lower	Upper
117	100			
119	96.0	78.3	117.5	
201	115.9	92.9	139.3	

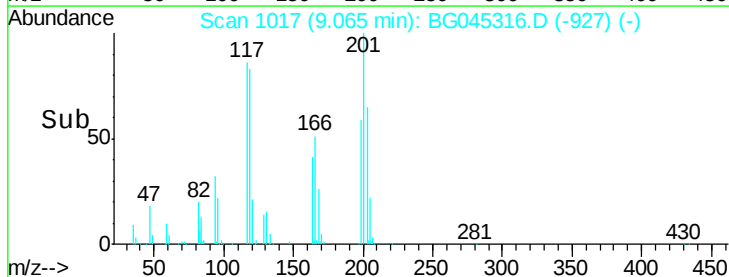
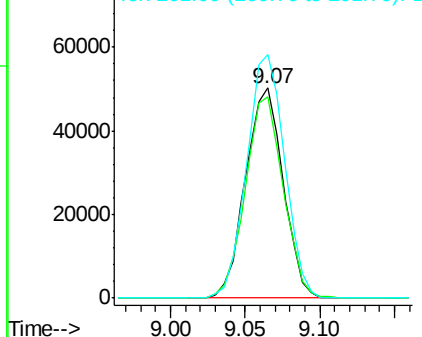


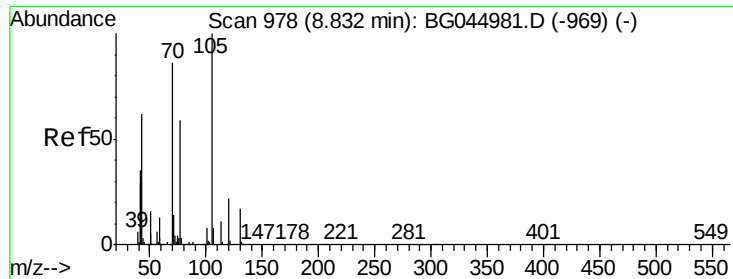
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





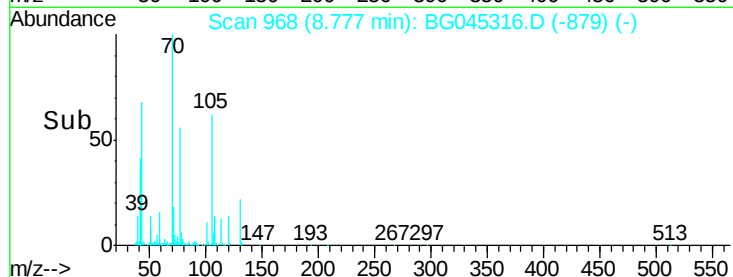
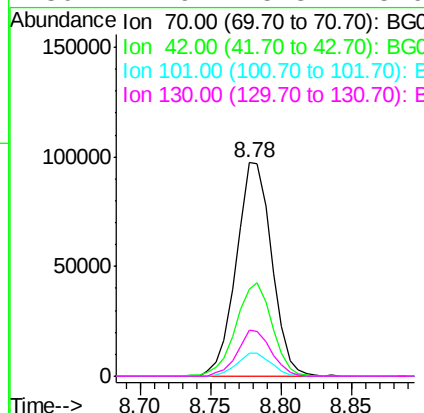
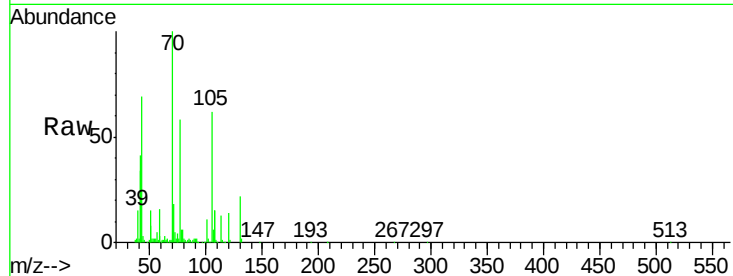
#19
n-Nitroso-di-n-propylamine
Concen: 35.24 ng
RT: 8.78 min Scan# 968
Delta R.T. -0.01 min
Lab File: BG045316.D
Acq: 12 May 2020 5:23

Instrument :
BNA_G
ClientSampleId :
TP-12AMSD

Tgt Ion	Ratio	Lower	Upper
70	100		
42	41.0	33.3	49.9
101	10.7	7.8	11.8
130	21.6	15.8	23.6

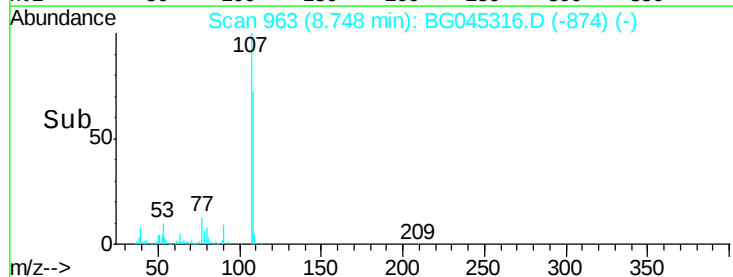
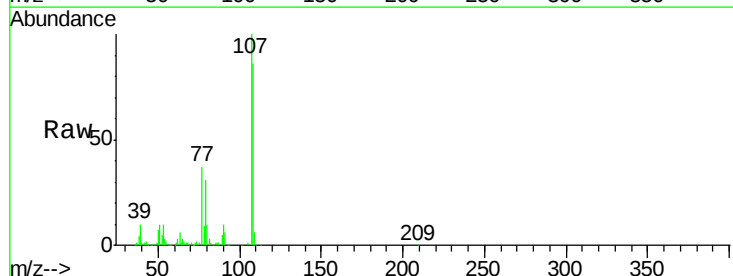
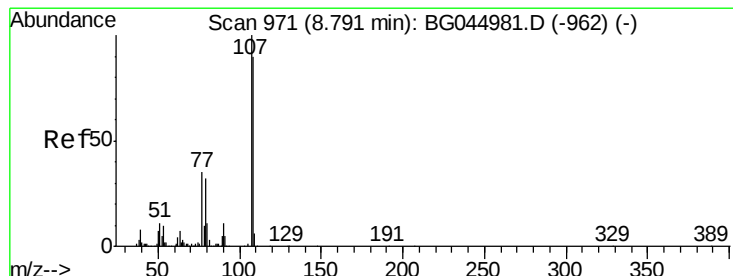
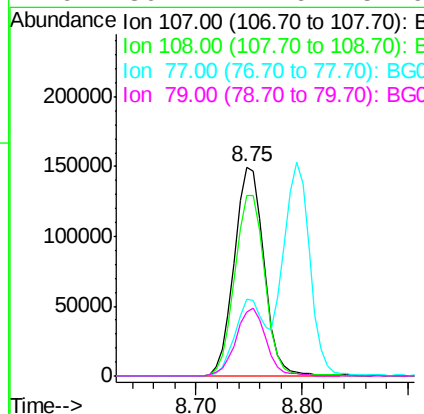
Manual Integrations
APPROVED

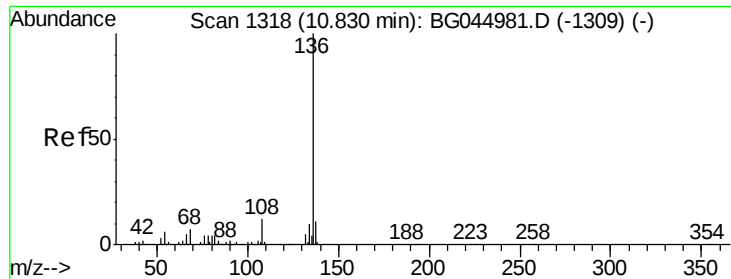
mohammad
5/13/2020 8:15:26 AM



#20
3+4-Methylphenols
Concen: 39.08 ng
RT: 8.75 min Scan# 963
Delta R.T. -0.01 min
Lab File: BG045316.D
Acq: 12 May 2020 5:23

Tgt Ion	Ratio	Lower	Upper
107	100		
108	86.3	69.9	109.9
77	37.1	15.2	55.2
79	30.7	11.6	51.6





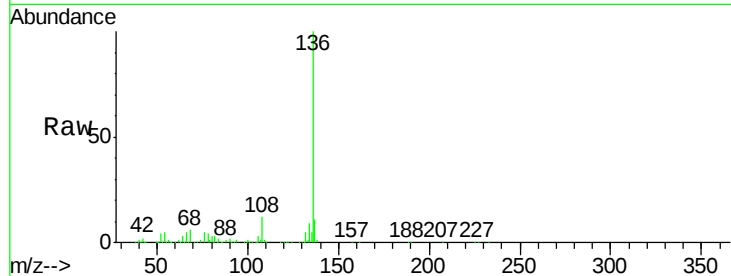
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.79 min Scan# 1310
Delta R.T. -0.00 min
Lab File: BG045316.D
Acq: 12 May 2020 5:23

Instrument :
BNA_G
ClientSampleId :
TP-12AMSD

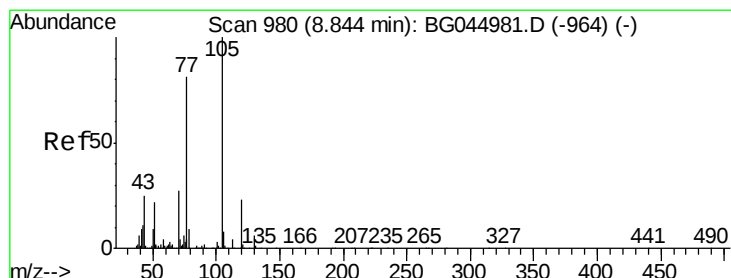
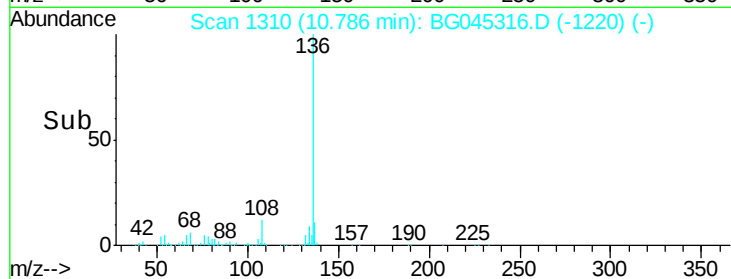
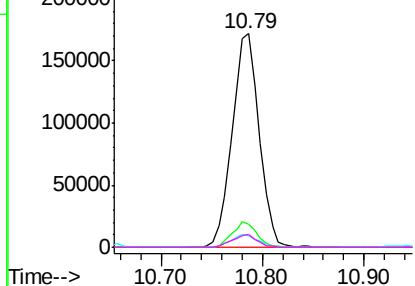
Tgt Ion	Ratio	Resp	Lower	Upper
136	100	316265		
137	10.8	8.6	13.0	
54	5.5	4.8	7.2	
68	6.0	5.2	7.8	

Manual Integrations
APPROVED

mohammad
5/13/2020 8:15:26 AM



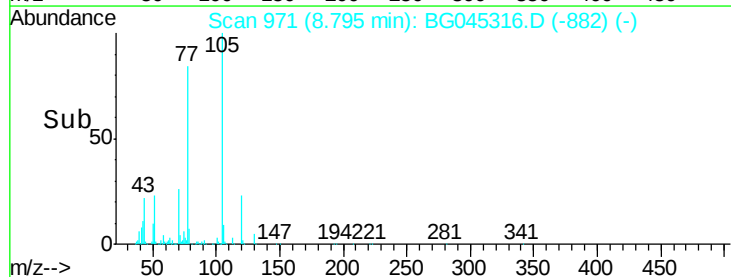
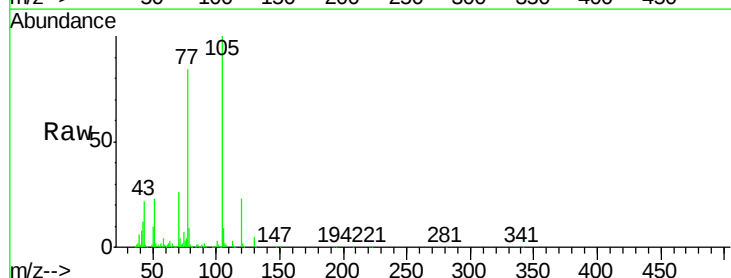
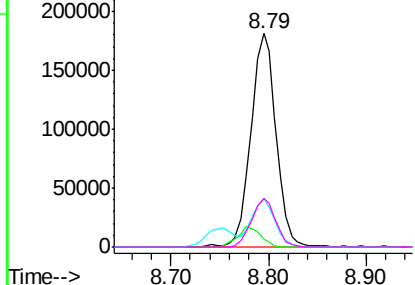
Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

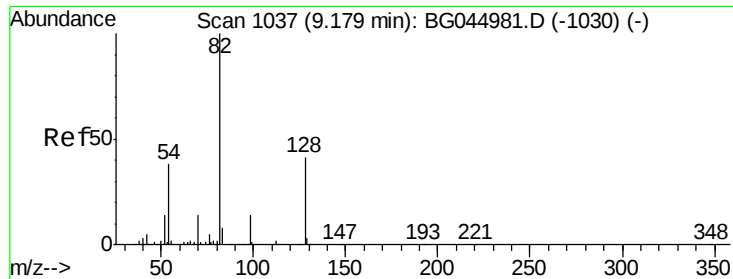


#22
Acetophenone
Concen: 38.41 ng
RT: 8.79 min Scan# 971
Delta R.T. -0.01 min
Lab File: BG045316.D
Acq: 12 May 2020 5:23

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	328488		
71	3.9	3.3	4.9	
51	22.9	17.3	25.9	
120	22.6	18.4	27.6	

Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BGC
Ion 51.00 (50.70 to 51.70): BGC
Ion 120.00 (119.70 to 120.70): E





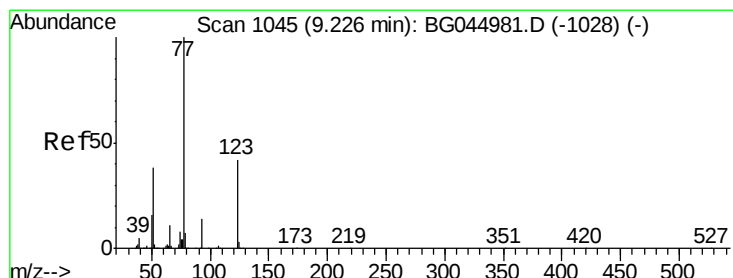
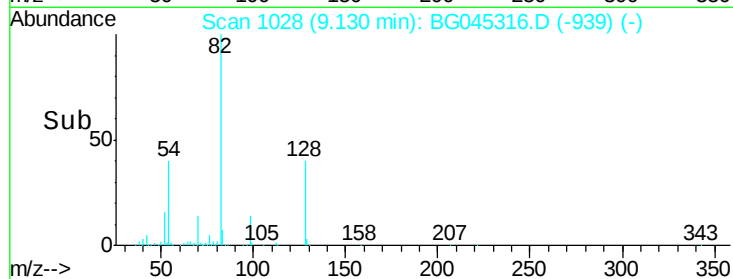
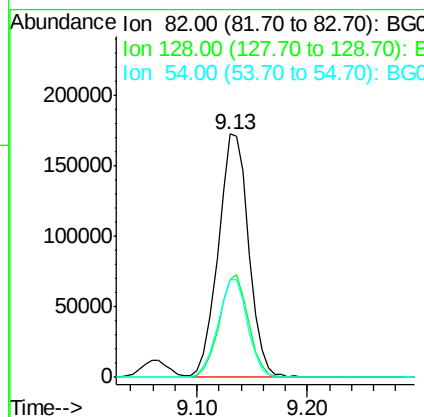
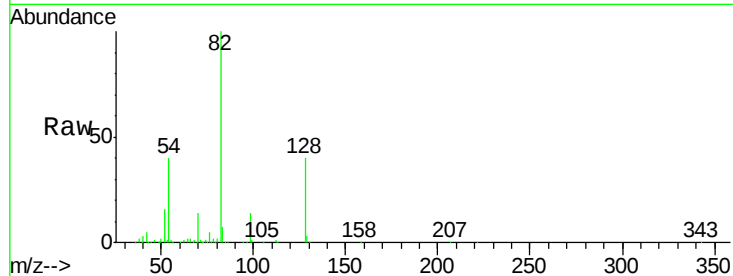
#23
Nitrobenzene-d5
Concen: 47.38 ng
RT: 9.13 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BG045316.D
Acq: 12 May 2020 5:23

Instrument :
BNA_G
ClientSampleId :
TP-12AMSD

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	328391		
128	40.0	33.0	49.4	
54	39.9	30.4	45.6	

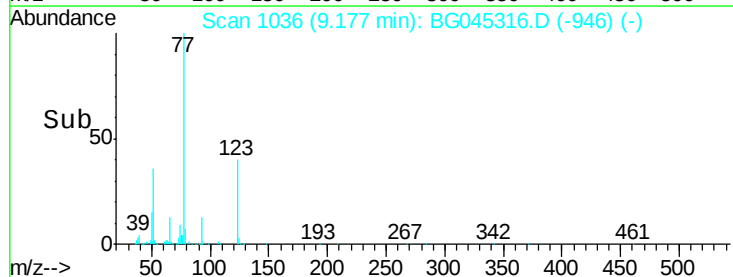
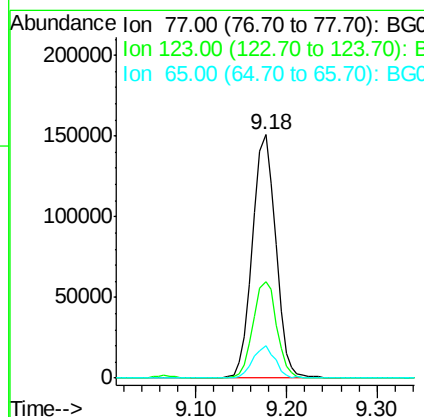
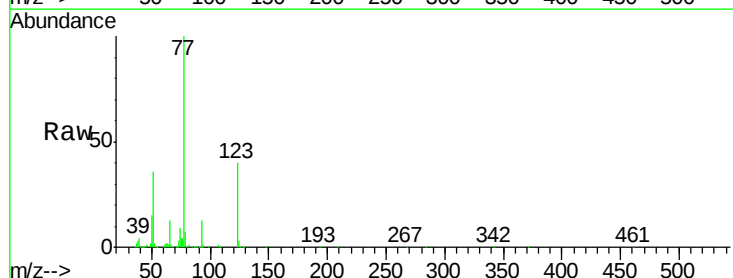
Manual Integrations
APPROVED

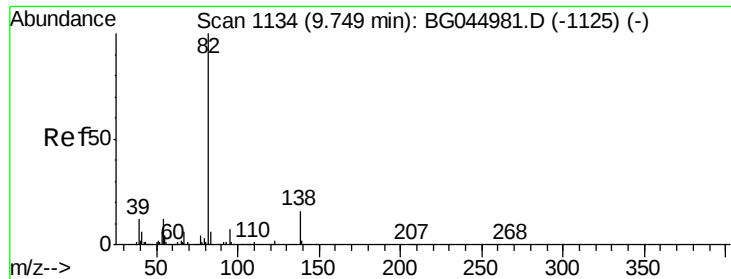
mohammad
5/13/2020 8:15:26 AM



#24
Nitrobenzene
Concen: 38.26 ng
RT: 9.18 min Scan# 1036
Delta R.T. -0.00 min
Lab File: BG045316.D
Acq: 12 May 2020 5:23

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	271830		
123	39.6	34.3	51.5	
65	13.3	8.9	13.3	





#25

Isophorone

Concen: 34.46 ng

RT: 9.70 min Scan# 1125

Delta R.T. -0.01 min

Lab File: BG045316.D

Acq: 12 May 2020 5:23

Instrument :

BNA_G

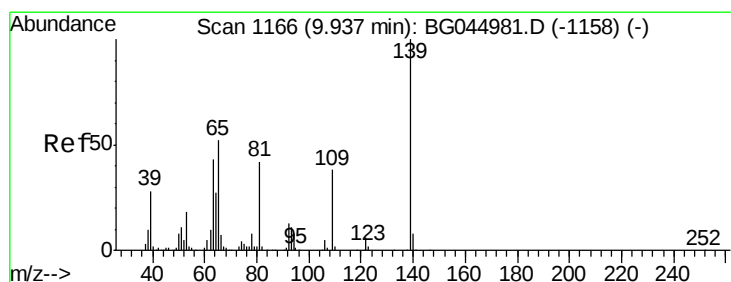
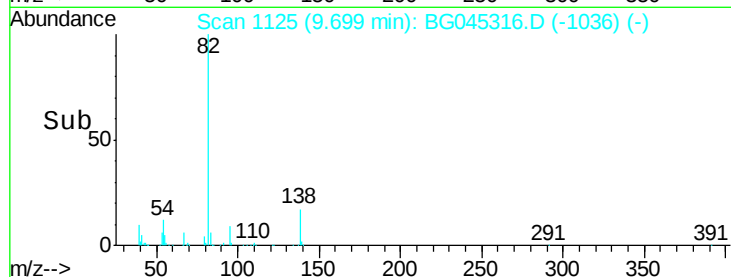
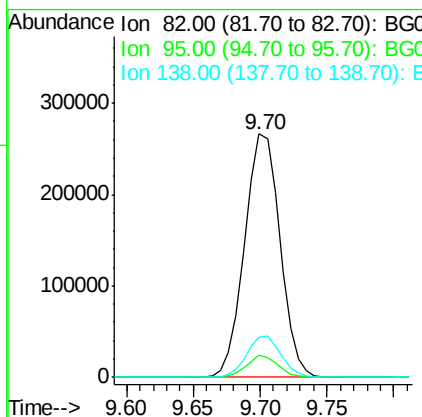
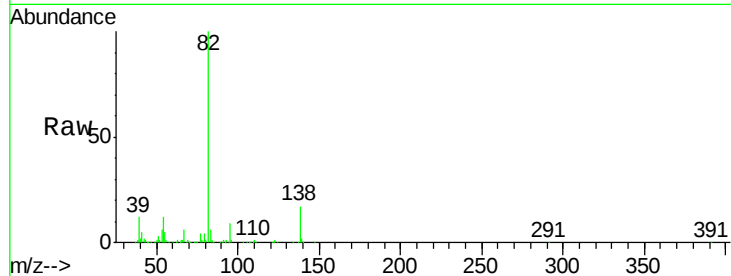
ClientSampleId :

TP-12AMSD

Tgt Ion:	82	Resp:	489190
Ion Ratio	Lower	Upper	
82	100		
95	8.9	6.0	9.0
138	16.6	12.7	19.1

Manual Integrations
APPROVED

mohammad
5/13/2020 8:15:26 AM



#26

2-Nitrophenol

Concen: 39.91 ng

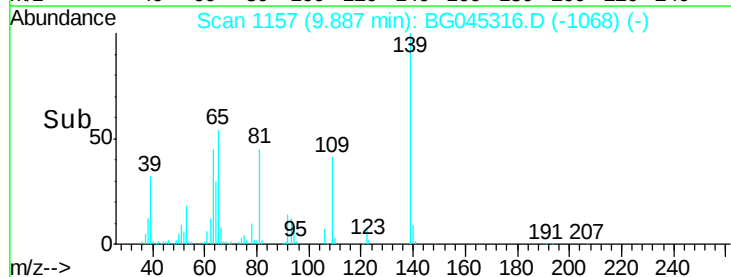
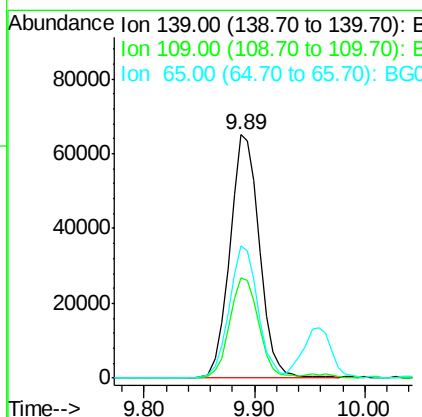
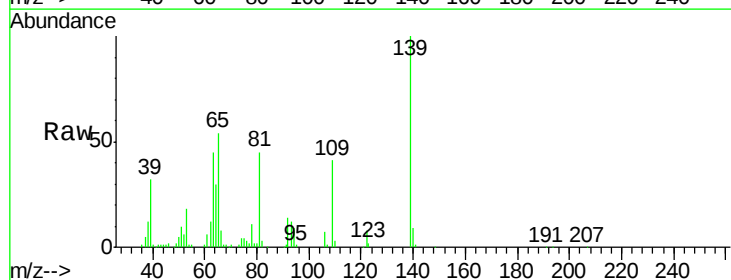
RT: 9.89 min Scan# 1157

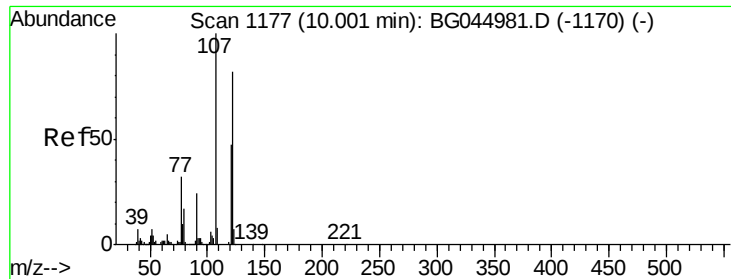
Delta R.T. -0.01 min

Lab File: BG045316.D

Acq: 12 May 2020 5:23

Tgt Ion:	139	Resp:	122149
Ion Ratio	Lower	Upper	
139	100		
109	40.9	30.6	45.8
65	54.3	41.8	62.6





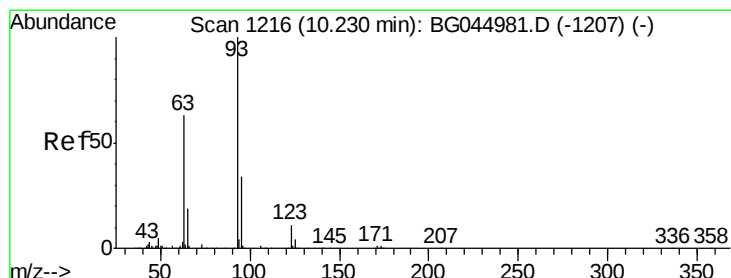
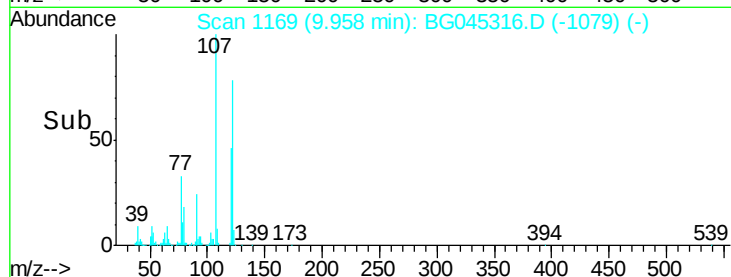
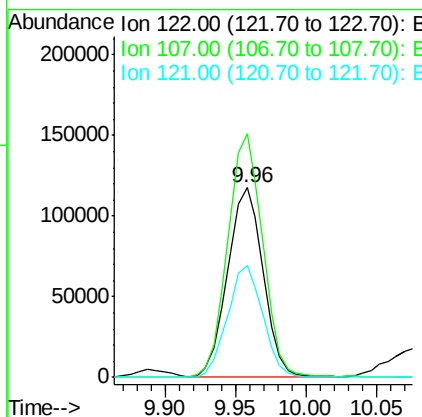
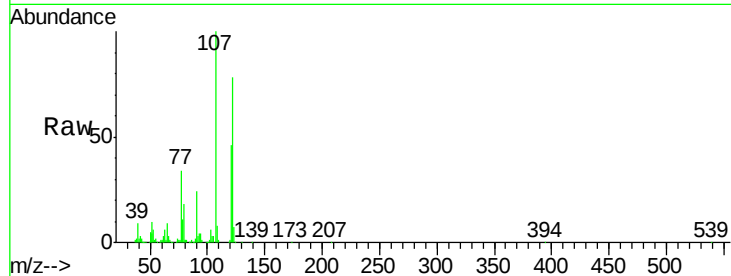
#27
 2,4-Dimethylphenol
 Concen: 42.19 ng
 RT: 9.96 min Scan# 1169
 Delta R.T. -0.00 min
 Lab File: BG045316.D
 Acq: 12 May 2020 5:23

Instrument :
 BNA_G
 ClientSampleId :
 TP-12AMSD

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	204881		
107	128.6	96.8	145.2	
121	58.8	45.6	68.4	

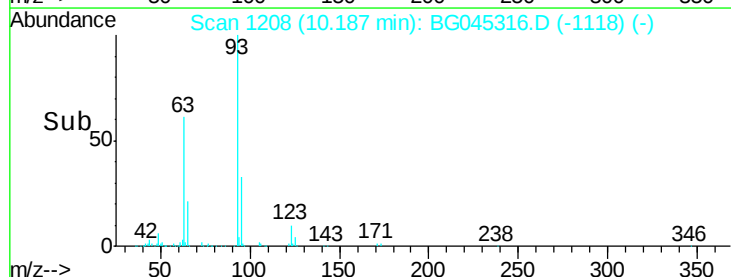
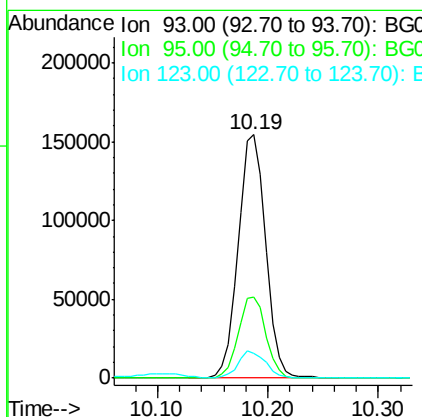
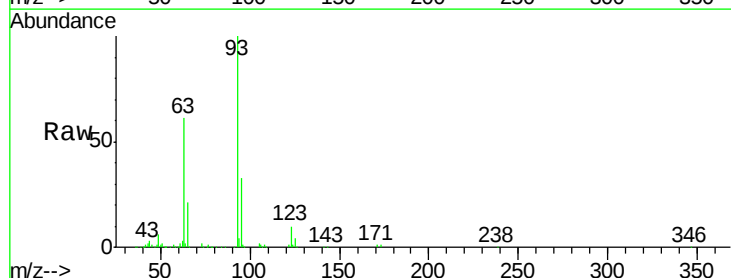
Manual Integrations
 APPROVED

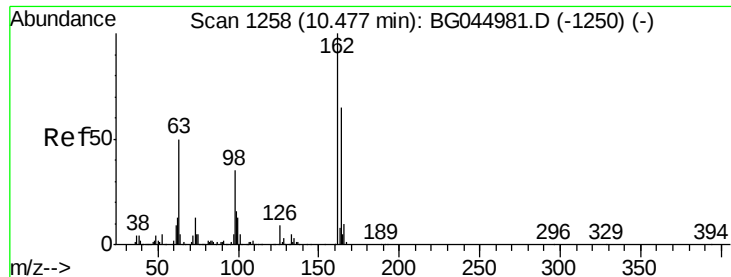
mohammad
 5/13/2020 8:15:26 AM



#28
 bis(2-Chloroethoxy)methane
 Concen: 36.31 ng
 RT: 10.19 min Scan# 1208
 Delta R.T. -0.00 min
 Lab File: BG045316.D
 Acq: 12 May 2020 5:23

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	270769		
95	33.0	27.0	40.4	
123	10.4	8.7	13.1	





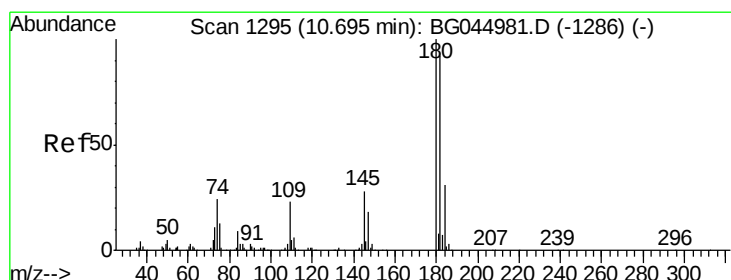
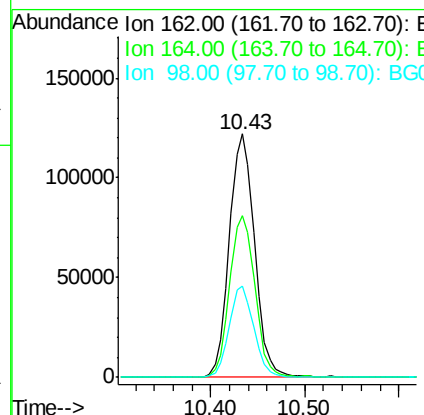
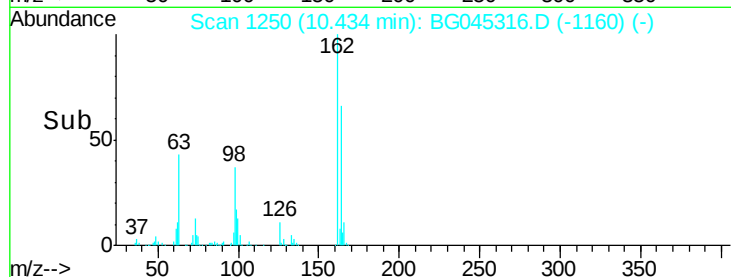
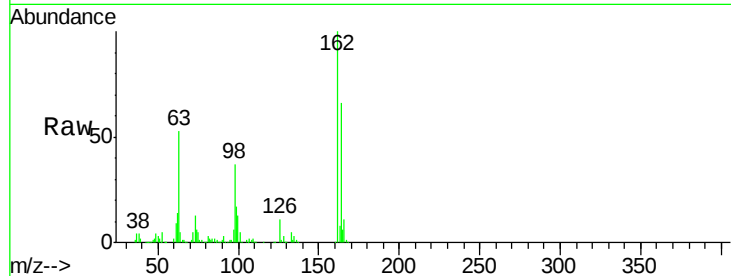
#29
 2,4-Dichlorophenol
 Concen: 40.71 ng
 RT: 10.43 min Scan# 1250
 Delta R.T. -0.00 min
 Lab File: BG045316.D
 Acq: 12 May 2020 5:23

Instrument :
 BNA_G
 ClientSampleId :
 TP-12AMSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
162	100		
164	66.4	45.0	85.0
98	37.5	15.2	55.2

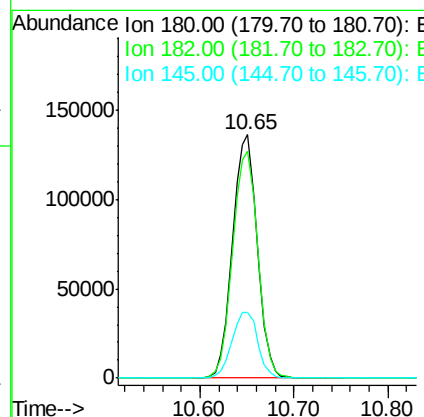
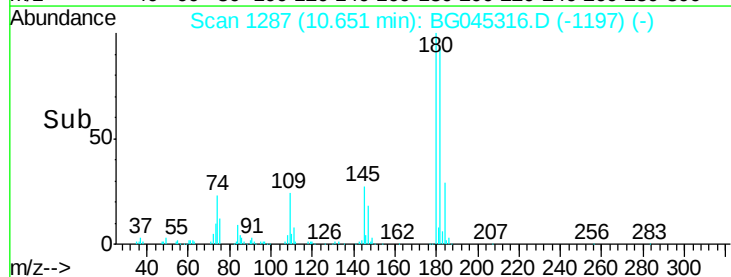
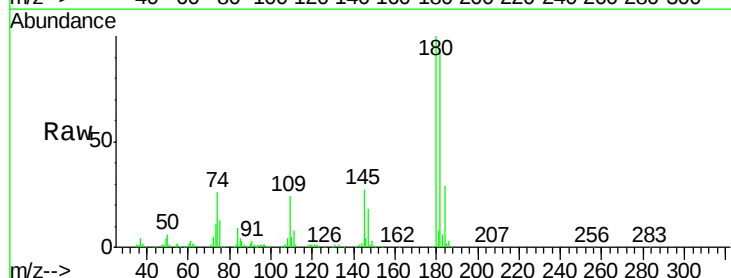
Manual Integrations
 APPROVED

mohammad
 5/13/2020 8:15:26 AM



#30
 1,2,4-Trichlorobenzene
 Concen: 39.05 ng
 RT: 10.65 min Scan# 1287
 Delta R.T. -0.00 min
 Lab File: BG045316.D
 Acq: 12 May 2020 5:23

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	93.3	73.3	109.9
145	27.1	22.6	33.8





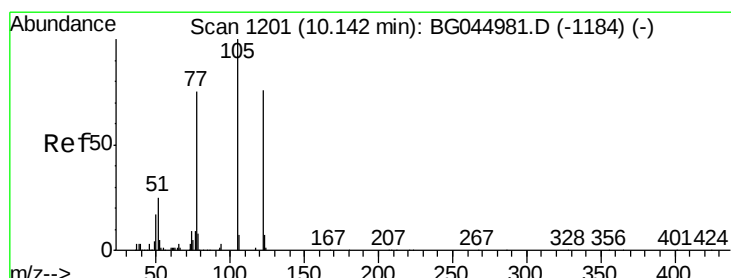
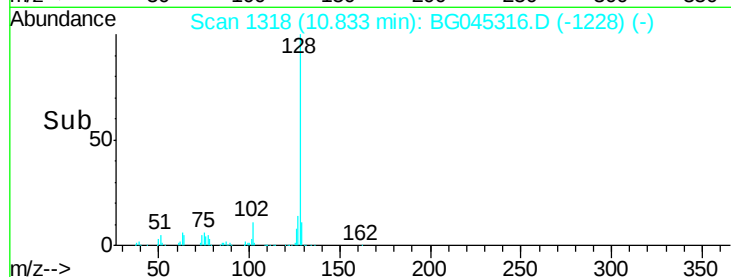
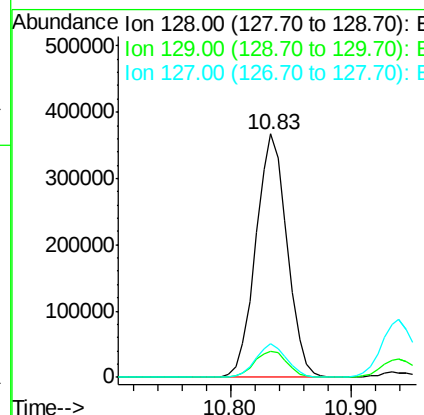
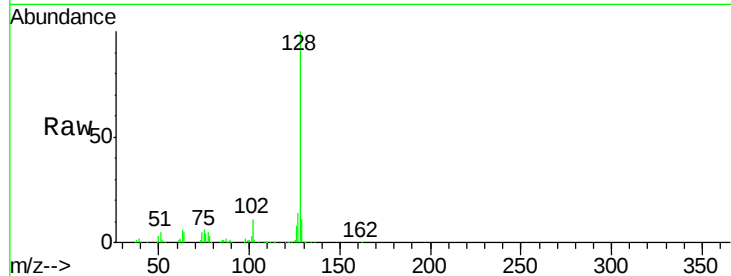
#31
Naphthalene
Concen: 38.14 ng
RT: 10.83 min Scan# 1318
Delta R.T. -0.00 min
Lab File: BG045316.D
Acq: 12 May 2020 5:23

Instrument :
BNA_G
ClientSampleId :
TP-12AMSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
129	10.9	9.4	14.2
127	14.1	10.8	16.2

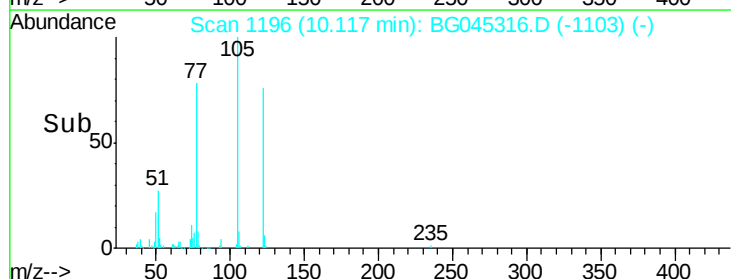
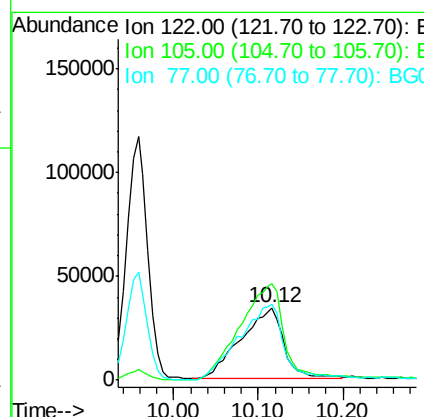
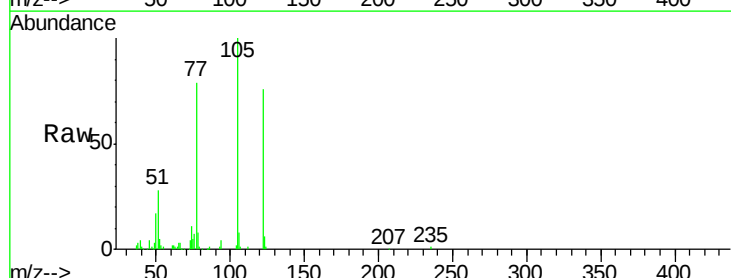
Manual Integrations
APPROVED

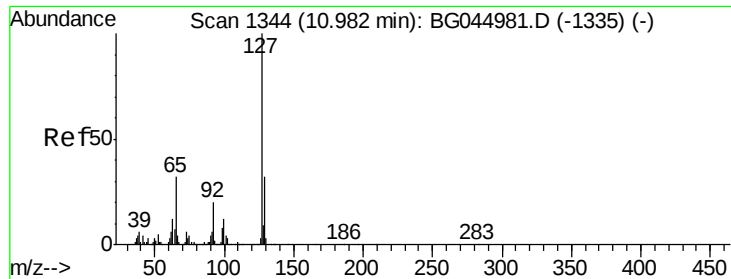
mohammad
5/13/2020 8:15:26 AM



#32
Benzoic acid
Concen: 33.41 ng
RT: 10.12 min Scan# 1196
Delta R.T. 0.01 min
Lab File: BG045316.D
Acq: 12 May 2020 5:23

Tgt Ion	Ratio	Resp Lower	Resp Upper
122	100		
105	132.4	108.4	148.4
77	104.6	78.8	118.8





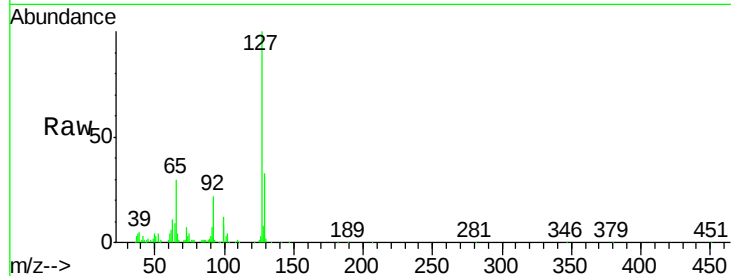
#33
4-Chloroaniline
Concen: 20.66 ng
RT: 10.94 min Scan# 1336
Delta R.T. -0.00 min
Lab File: BG045316.D
Acq: 12 May 2020 5:23

Instrument :
BNA_G
ClientSampled :
TP-12AMSD

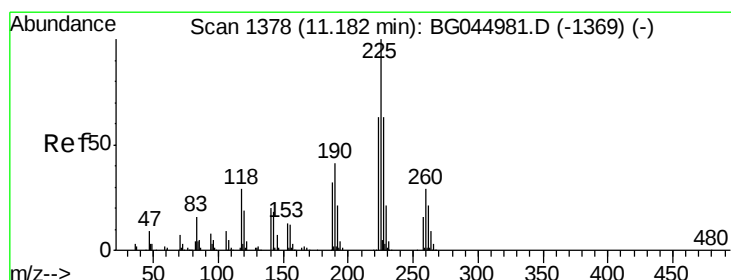
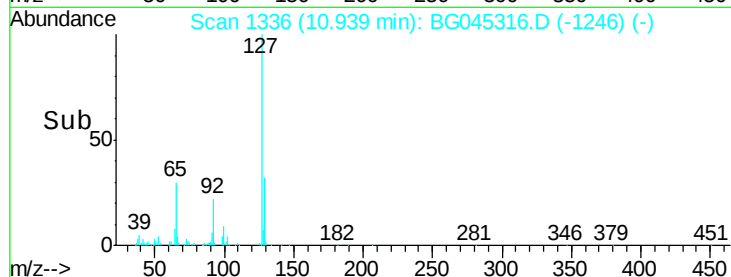
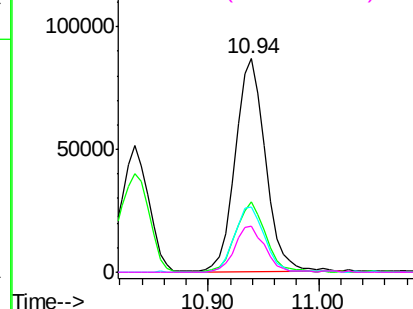
Tgt Ion	Ratio	Resp	Lower	Upper
127	100	166669		
129	32.7	25.7	38.5	
65	30.4	25.4	38.2	
92	21.7	16.1	24.1	

Manual Integrations
APPROVED

mohammad
5/13/2020 8:15:26 AM

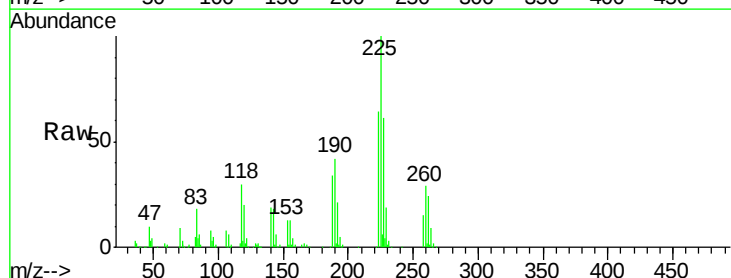


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC

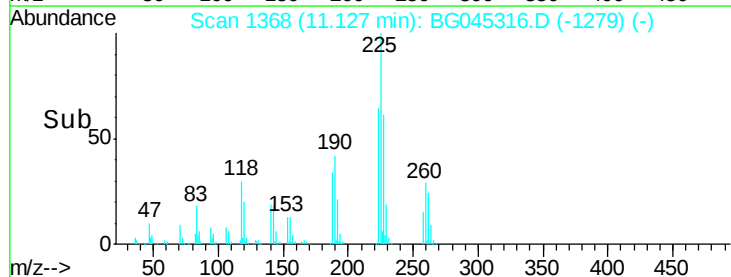
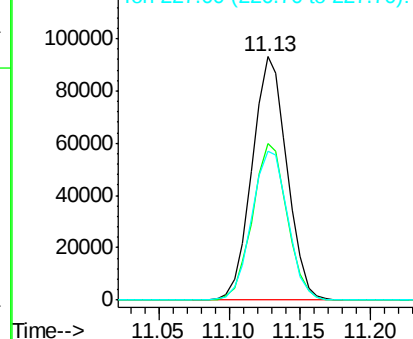


#34
Hexachlorobutadiene
Concen: 37.01 ng
RT: 11.13 min Scan# 1368
Delta R.T. -0.01 min
Lab File: BG045316.D
Acq: 12 May 2020 5:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	161085		
223	64.2	50.7	76.1	
227	61.0	50.2	75.2	



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 36.91 ng m

RT: 11.71 min Scan# 1467

Delta R.T. 0.01 min

Lab File: BG045316.D

Acq: 12 May 2020 5:23

Instrument :

BNA_G

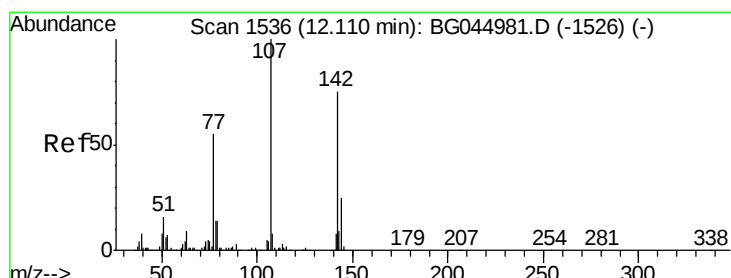
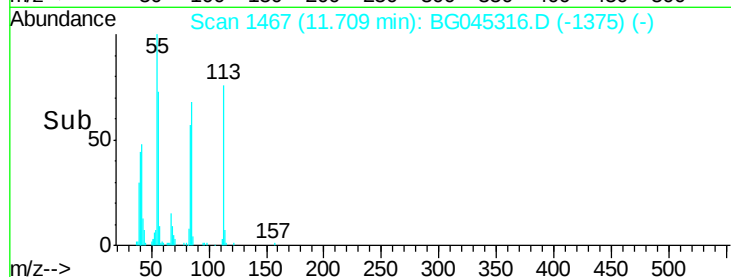
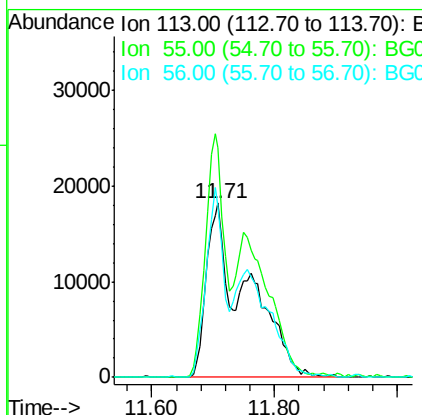
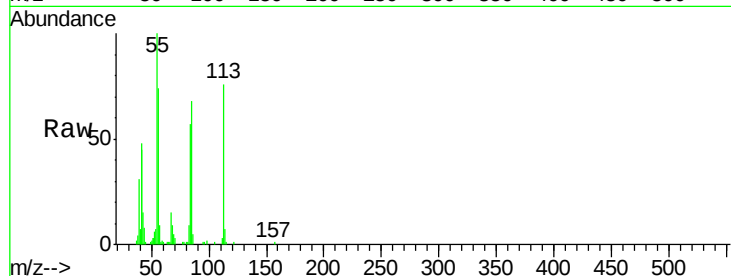
ClientSampleId :

TP-12AMSD

Tgt Ion:	113	Resp:	82370
Ion Ratio	Lower	Upper	
113	100		
55	131.9	118.8	158.8
56	97.7	82.6	122.6

Manual Integrations
APPROVED

mohammad
5/13/2020 8:15:26 AM



#36

4-Chloro-3-methylphenol

Concen: 39.38 ng

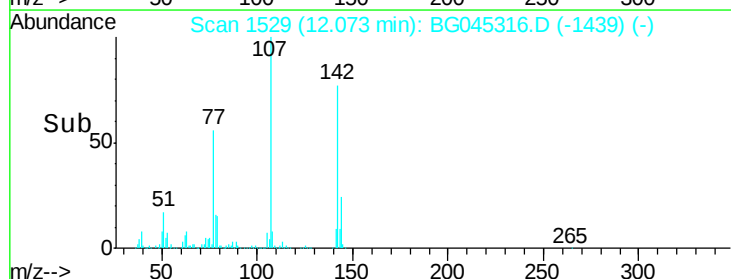
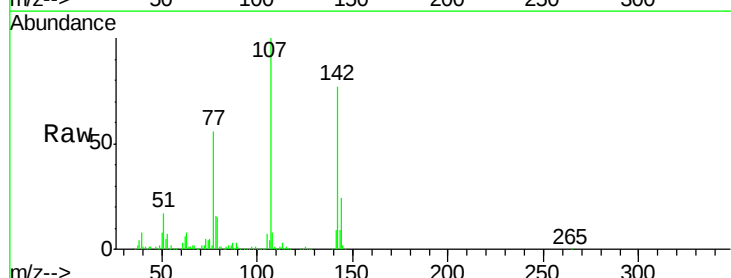
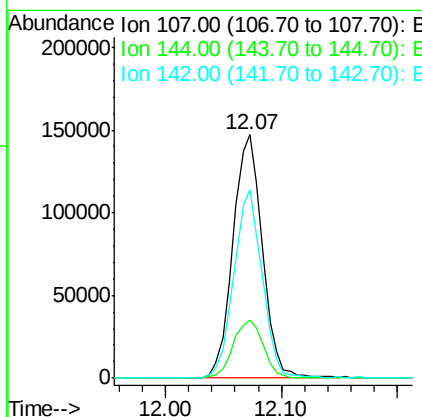
RT: 12.07 min Scan# 1529

Delta R.T. -0.00 min

Lab File: BG045316.D

Acq: 12 May 2020 5:23

Tgt Ion:	107	Resp:	259377
Ion Ratio	Lower	Upper	
107	100		
144	23.7	19.8	29.6
142	77.2	59.7	89.5





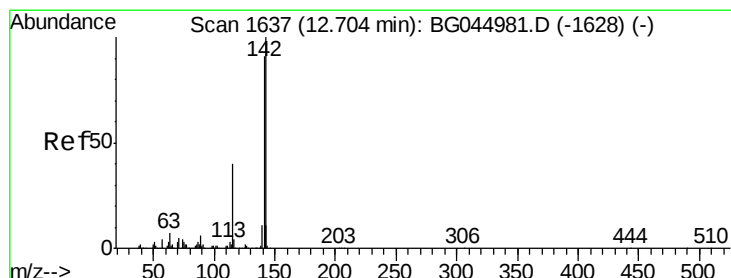
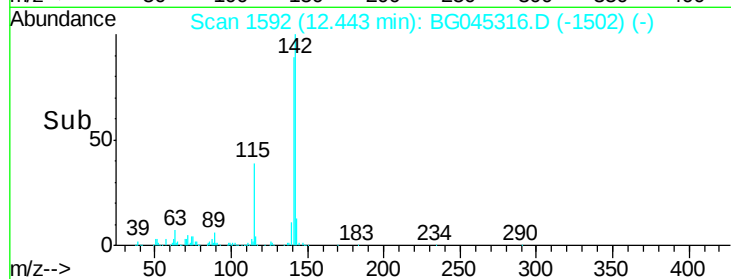
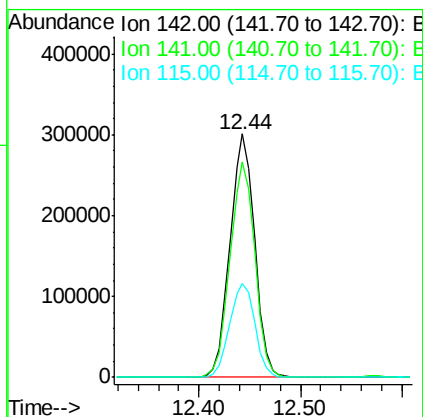
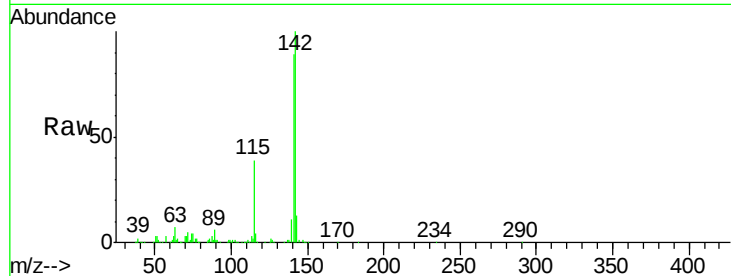
#37
 2-Methylnaphthalene
 Concen: 37.73 ng
 RT: 12.44 min Scan# 1592
 Delta R.T. -0.00 min
 Lab File: BG045316.D
 Acq: 12 May 2020 5:23

Instrument :
 BNA_G
 ClientSampleId :
 TP-12AMSD

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	506621		
141	88.8	70.3	105.5	
115	38.8	29.8	44.6	

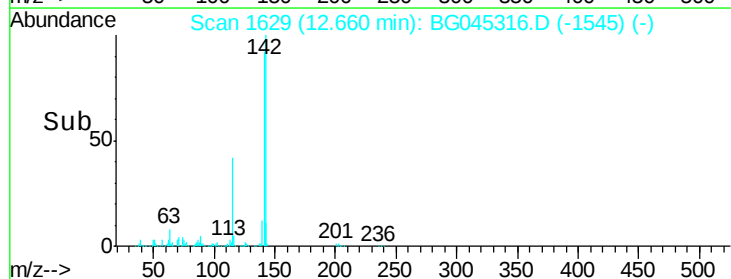
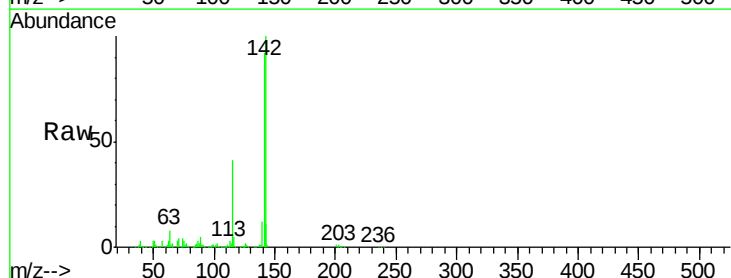
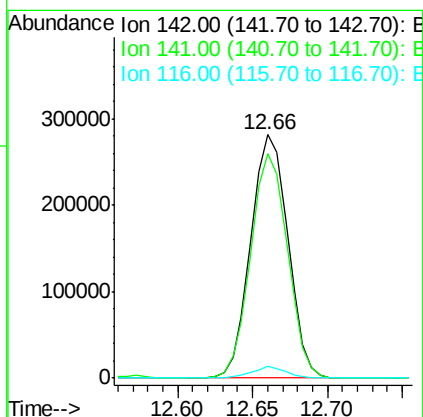
Manual Integrations
 APPROVED

mohammad
 5/13/2020 8:15:26 AM



#38
 1-Methylnaphthalene
 Concen: 38.22 ng m
 RT: 12.66 min Scan# 1629
 Delta R.T. -0.01 min
 Lab File: BG045316.D
 Acq: 12 May 2020 5:23

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	484568		
141	92.1	72.7	109.1	
116	4.8	3.1	4.7#	





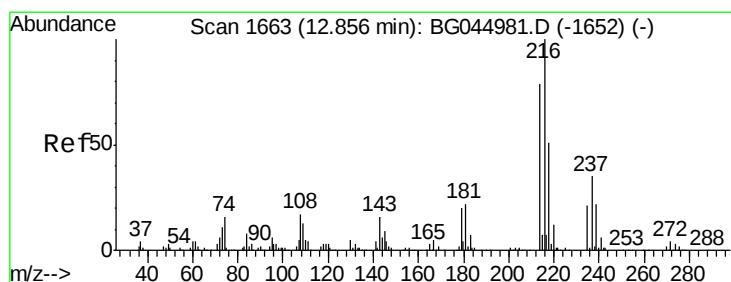
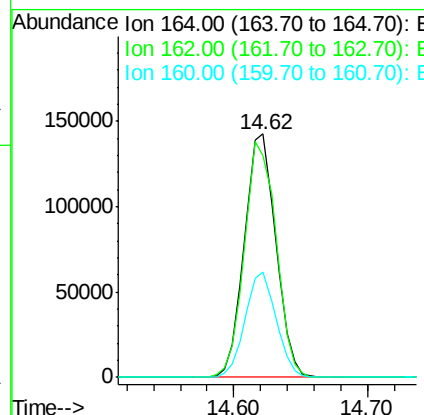
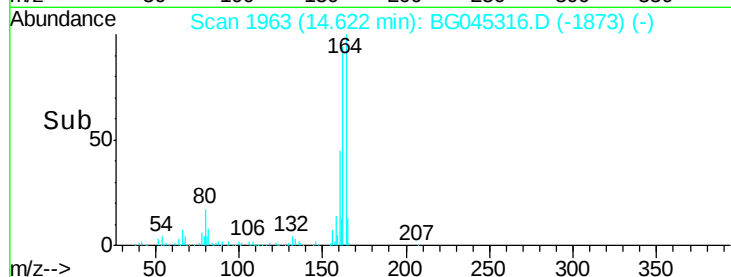
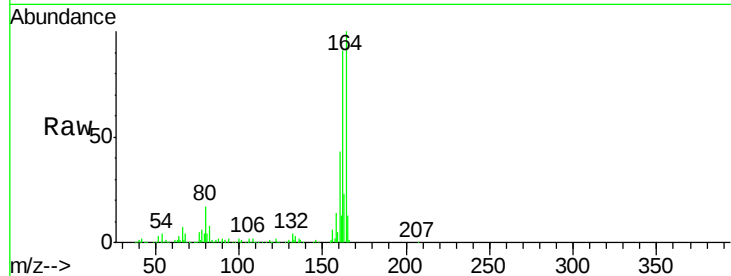
#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.62 min Scan# 1963
Delta R.T. -0.00 min
Lab File: BG045316.D
Acq: 12 May 2020 5:23

Instrument :
BNA_G
ClientSampleId :
TP-12AMSD

Tgt Ion	Ratio	Lower	Upper
164	100		
162	91.2	78.7	118.1
160	43.0	32.8	49.2

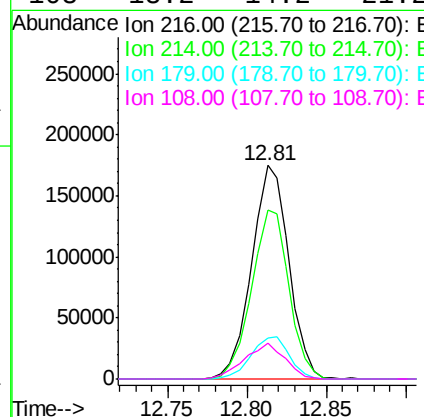
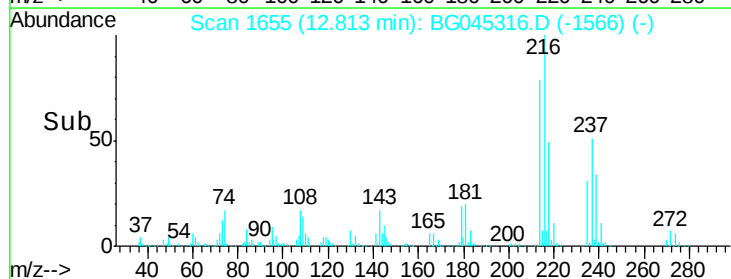
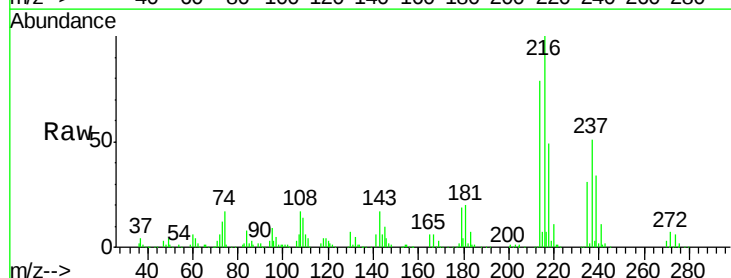
Manual Integrations
APPROVED

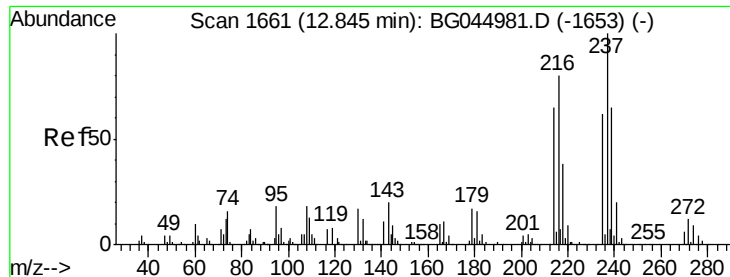
mohammad
5/13/2020 8:15:26 AM



#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.27 ng
RT: 12.81 min Scan# 1655
Delta R.T. -0.01 min
Lab File: BG045316.D
Acq: 12 May 2020 5:23

Tgt Ion	Ratio	Lower	Upper
216	100		
214	79.5	63.0	94.6
179	20.6	15.8	23.8
108	18.2	14.2	21.2





#41

Hexachlorocyclopentadiene

Concen: 71.29 ng

RT: 12.80 min Scan# 1653

Delta R.T. -0.00 min

Lab File: BG045316.D

Acq: 12 May 2020 5:23

Instrument :

BNA_G

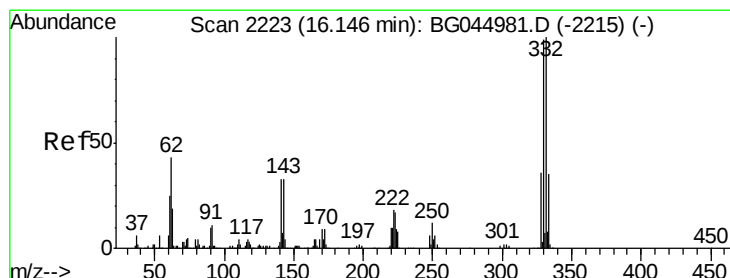
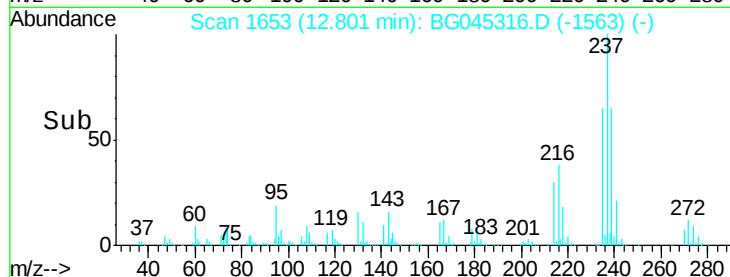
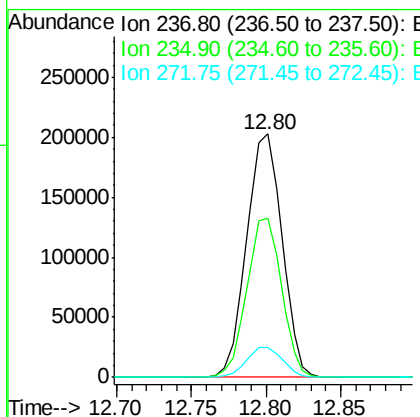
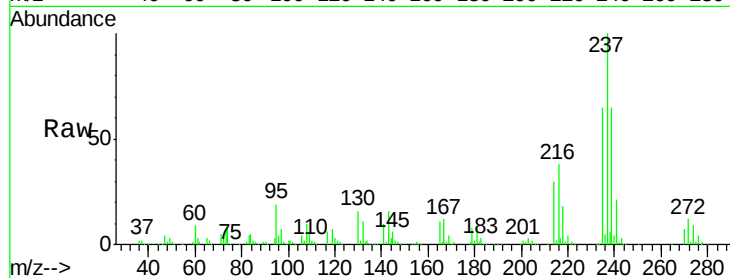
ClientSampleId :

TP-12AMSD

Tgt Ion:	237	Resp:	332694
Ion Ratio	Lower	Upper	
237	100		
235	65.3	41.6	81.6
272	12.3	0.0	32.1

Manual Integrations
APPROVED

mohammad
5/13/2020 8:15:26 AM



#42

2,4,6-Tribromophenol

Concen: 72.11 ng

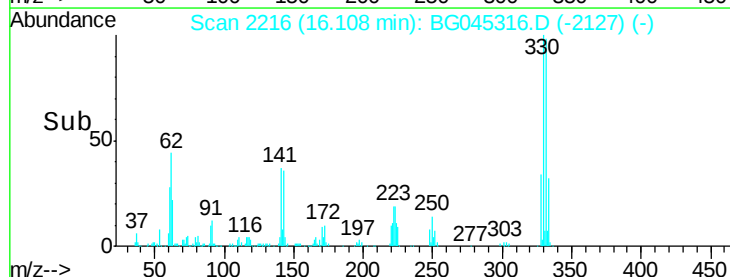
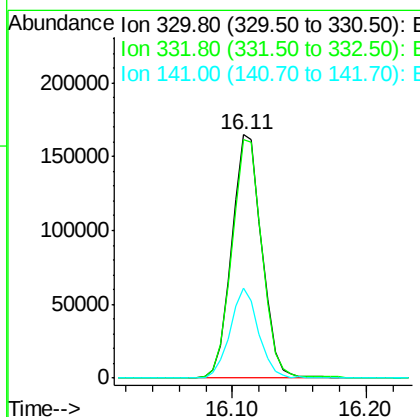
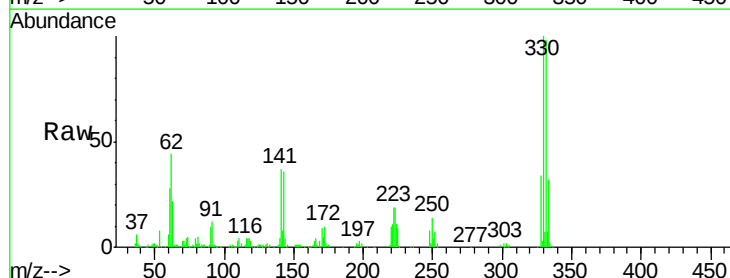
RT: 16.11 min Scan# 2216

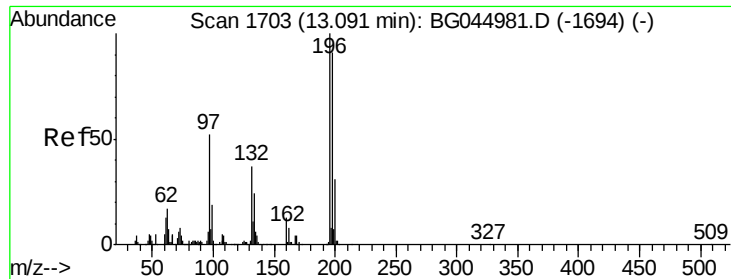
Delta R.T. -0.01 min

Lab File: BG045316.D

Acq: 12 May 2020 5:23

Tgt Ion:	330	Resp:	258351
Ion Ratio	Lower	Upper	
330	100		
332	98.2	79.1	118.7
141	35.2	27.1	40.7





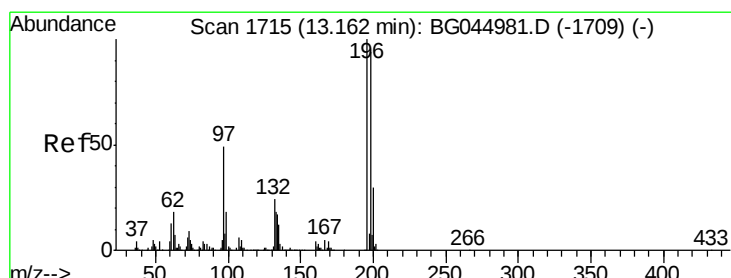
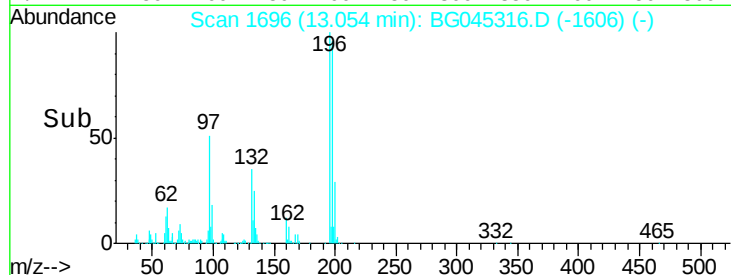
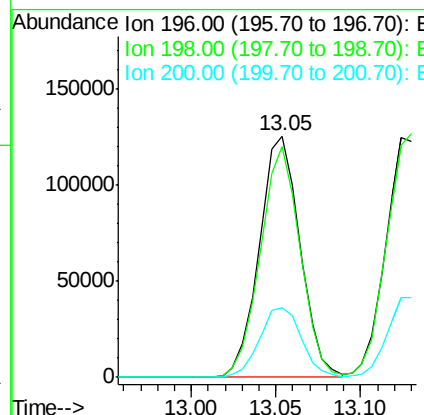
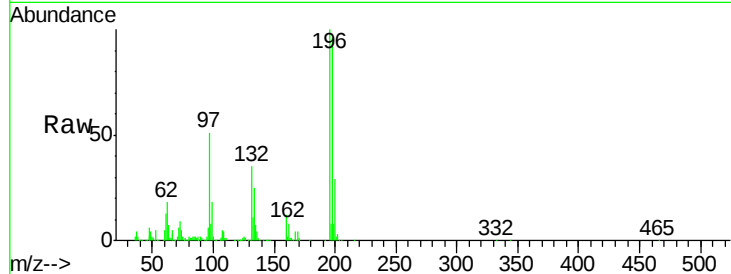
#43
2,4,6-Trichlorophenol
Concen: 39.59 ng
RT: 13.05 min Scan# 1696
Delta R.T. -0.00 min
Lab File: BG045316.D
Acq: 12 May 2020 5:23

Instrument :
BNA_G
ClientSampleId :
TP-12AMSD

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	208631		
198	95.5	72.5	108.7	
200	28.8	24.5	36.7	

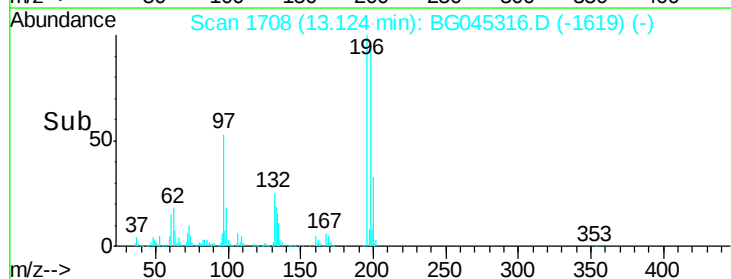
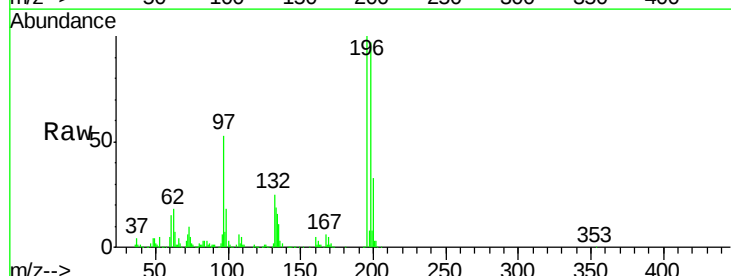
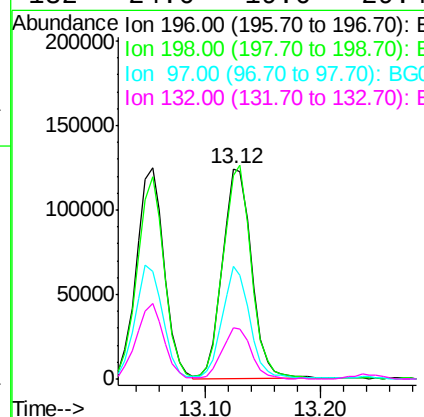
Manual Integrations
APPROVED

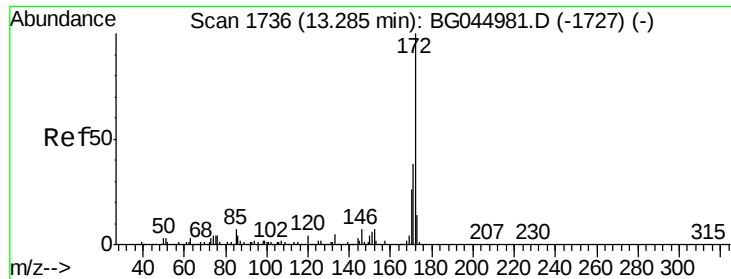
mohammad
5/13/2020 8:15:26 AM



#44
2,4,5-Trichlorophenol
Concen: 36.21 ng
RT: 13.12 min Scan# 1708
Delta R.T. -0.01 min
Lab File: BG045316.D
Acq: 12 May 2020 5:23

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	217213		
198	96.7	75.7	113.5	
97	53.4	39.6	59.4	
132	24.6	19.6	29.4	





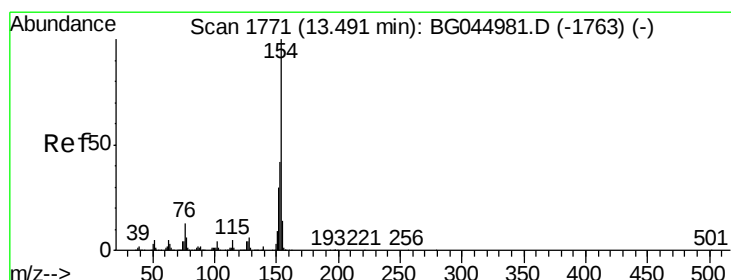
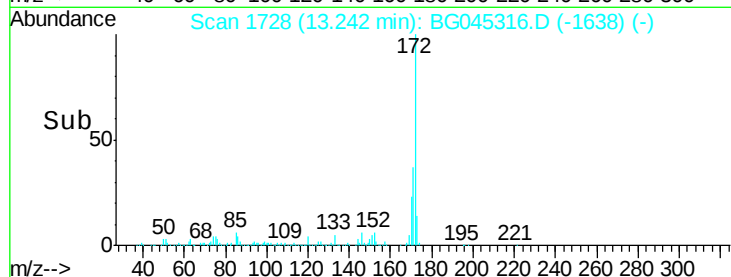
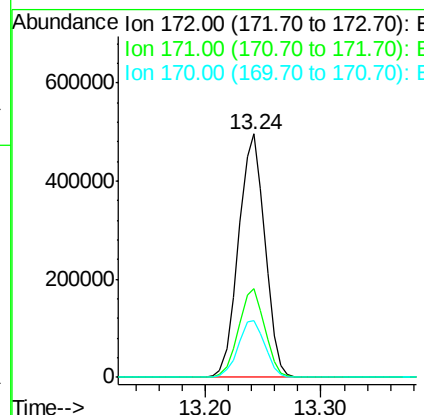
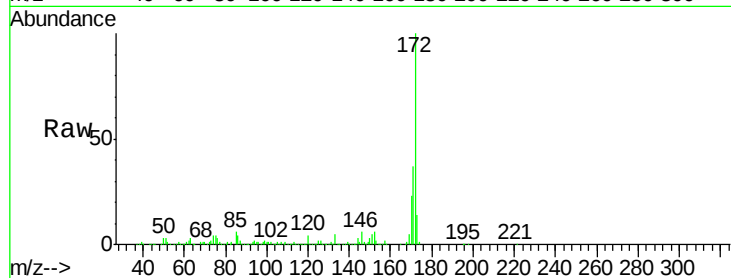
#45
2-Fluorobiphenyl
Concen: 49.46 ng
RT: 13.24 min Scan# 1728
Delta R.T. -0.00 min
Lab File: BG045316.D
Acq: 12 May 2020 5:23

Instrument :
BNA_G
ClientSampleId :
TP-12AMSD

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	782209		
171	36.7		30.6	46.0
170	23.4		20.5	30.7

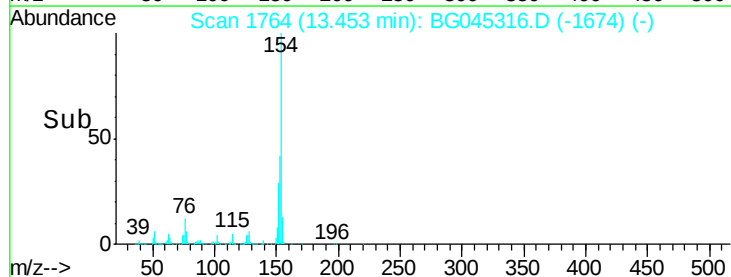
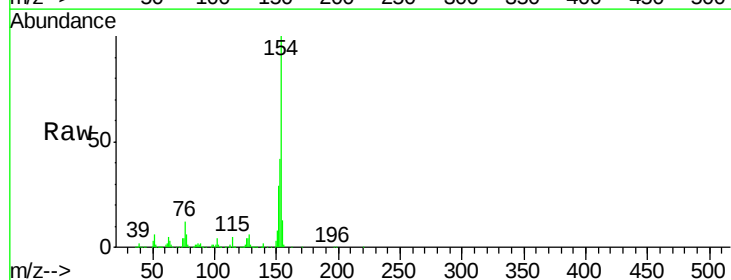
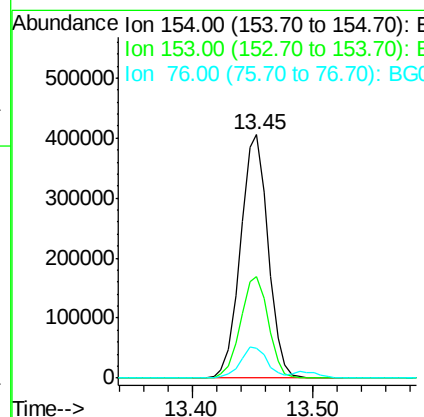
Manual Integrations
APPROVED

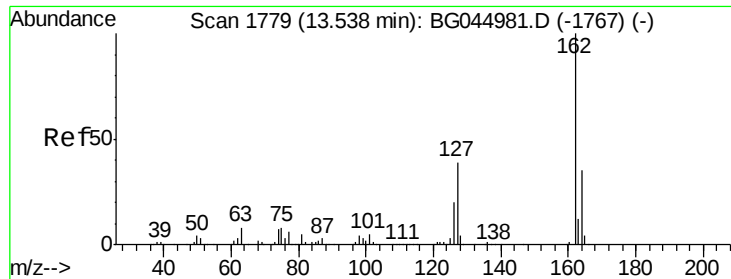
mohammad
5/13/2020 8:15:26 AM



#46
1,1'-Biphenyl
Concen: 36.68 ng
RT: 13.45 min Scan# 1764
Delta R.T. -0.00 min
Lab File: BG045316.D
Acq: 12 May 2020 5:23

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	646560		
153	41.8		21.9	61.9
76	12.3		0.0	33.1





#47

2-Chloronaphthalene

Concen: 37.42 ng

RT: 13.49 min Scan# 1771

Delta R.T. -0.00 min

Lab File: BG045316.D

Acq: 12 May 2020 5:23

Instrument :

BNA_G

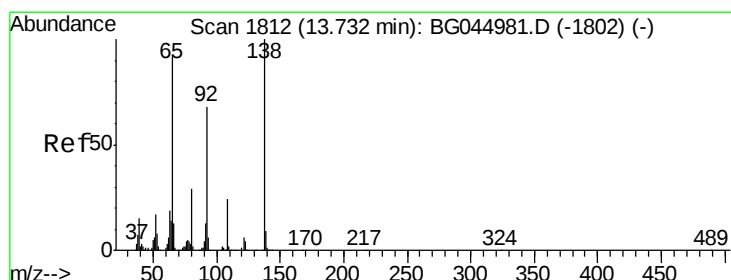
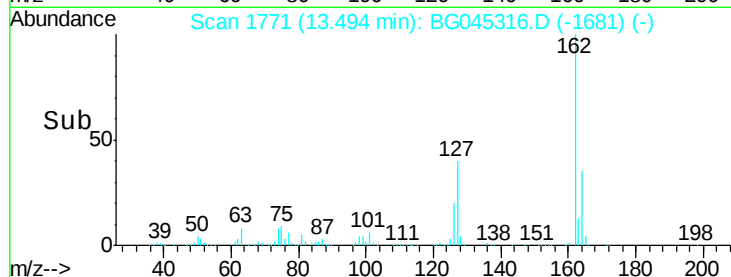
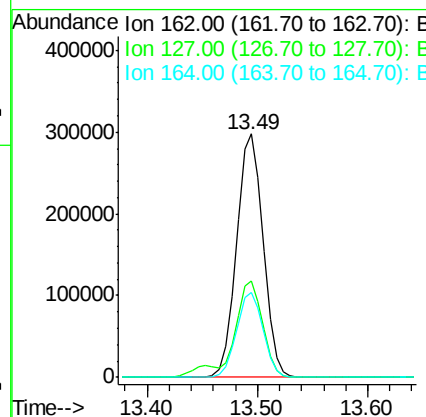
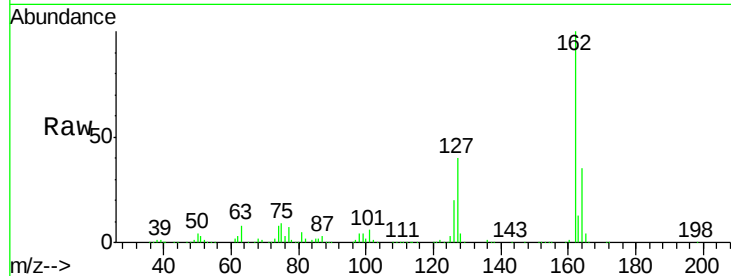
ClientSampleId :

TP-12AMSD

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	504048		
127	39.6	31.3	46.9	
164	34.9	27.8	41.8	

Manual Integrations
APPROVED

mohammad
5/13/2020 8:15:26 AM



#48

2-Nitroaniline

Concen: 37.36 ng

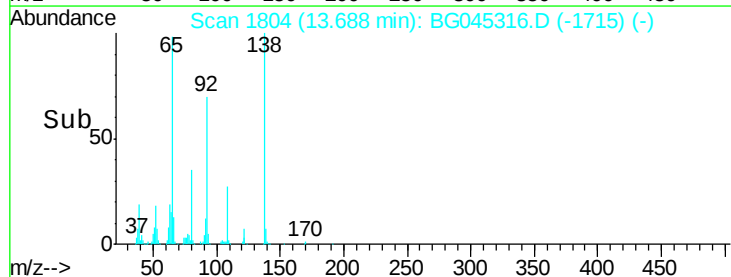
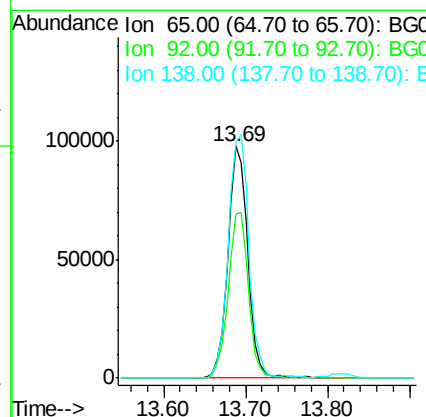
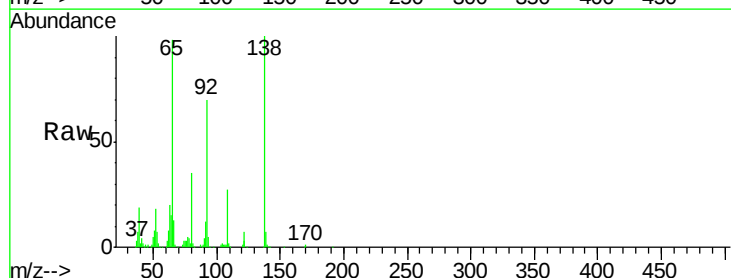
RT: 13.69 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BG045316.D

Acq: 12 May 2020 5:23

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	165542		
92	71.1	58.3	87.5	
138	102.0	85.6	128.4	





#49

Acenaphthylene

Concen: 38.18 ng

RT: 14.34 min Scan# 1915

Delta R.T. -0.00 min

Lab File: BG045316.D

Acq: 12 May 2020 5:23

Instrument :

BNA_G

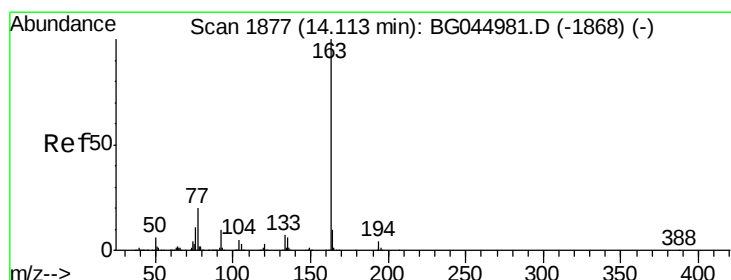
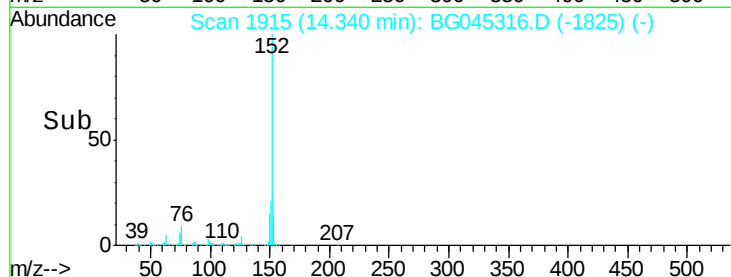
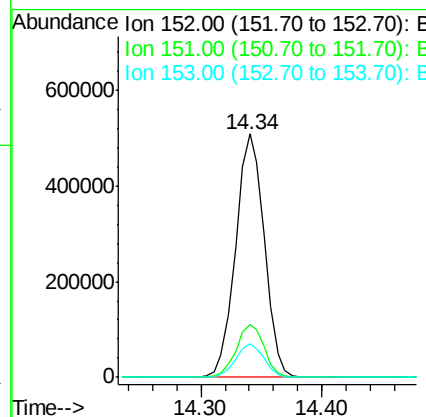
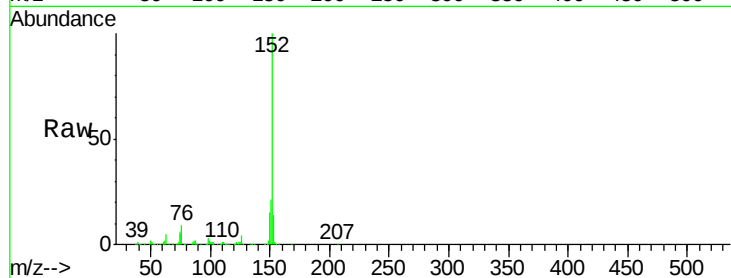
ClientSampleId :

TP-12AMSD

Tgt Ion:	152	Resp:	837515
Ion Ratio	Lower	Upper	
152	100		
151	21.5	17.2	25.8
153	14.1	11.0	16.4

Manual Integrations
APPROVED

mohammad
5/13/2020 8:15:26 AM



#50

Dimethylphthalate

Concen: 39.78 ng

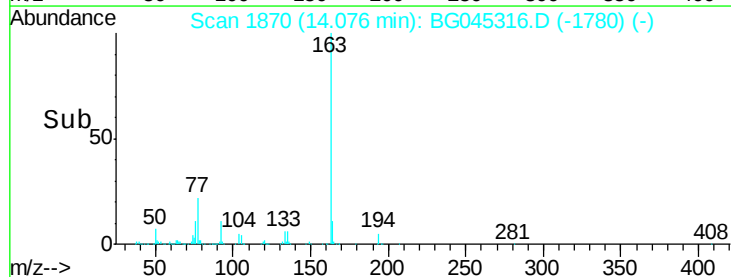
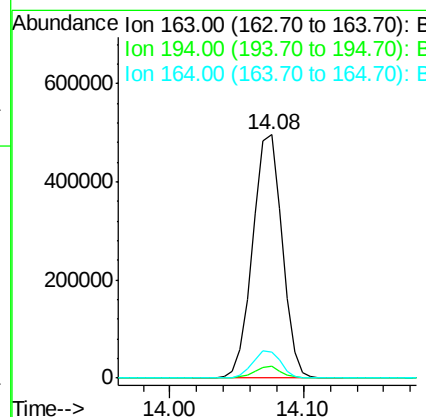
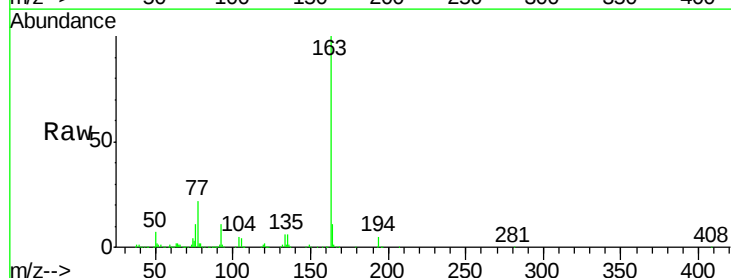
RT: 14.08 min Scan# 1870

Delta R.T. -0.00 min

Lab File: BG045316.D

Acq: 12 May 2020 5:23

Tgt Ion:	163	Resp:	751191
Ion Ratio	Lower	Upper	
163	100		
194	4.7	3.5	5.3
164	10.7	8.2	12.4





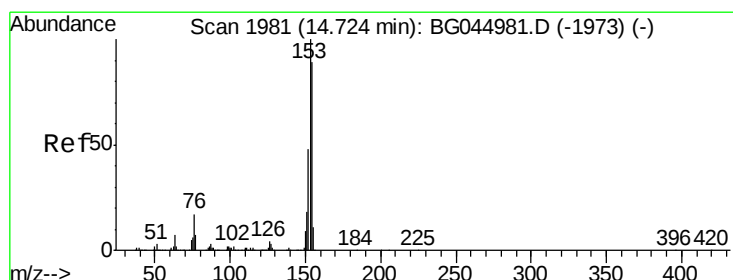
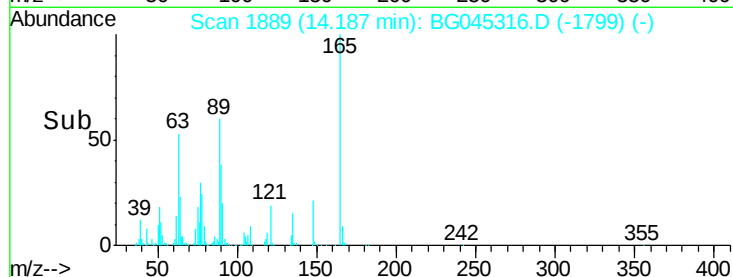
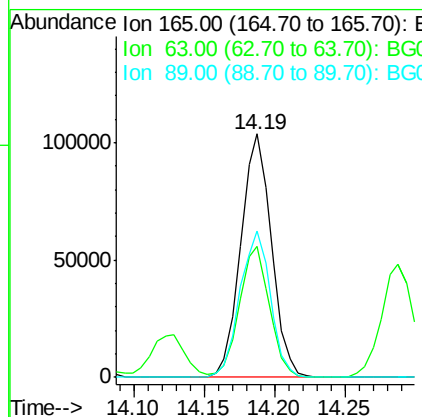
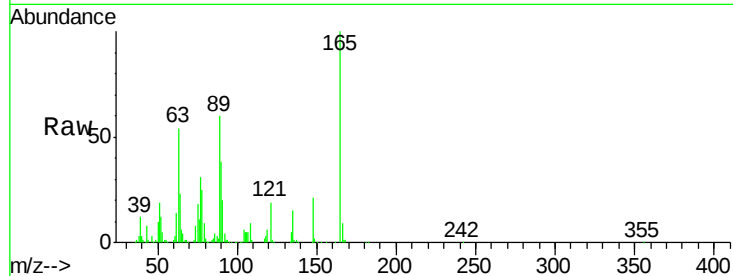
#51
 2,6-Dinitrotoluene
 Concen: 37.25 ng
 RT: 14.19 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: BG045316.D
 Acq: 12 May 2020 5:23

Instrument :
 BNA_G
 ClientSampleId :
 TP-12AMSD

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	157327		
63	53.7	40.4	60.6	
89	60.1	49.1	73.7	

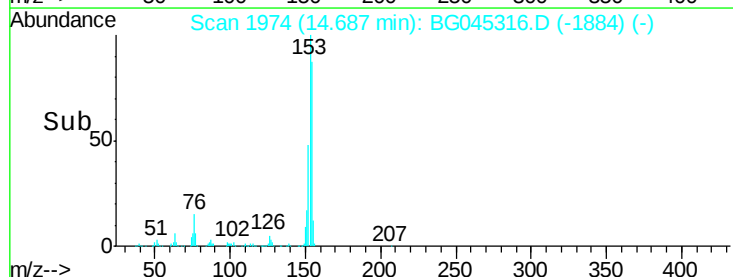
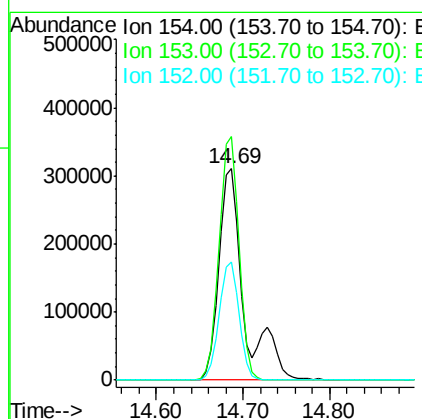
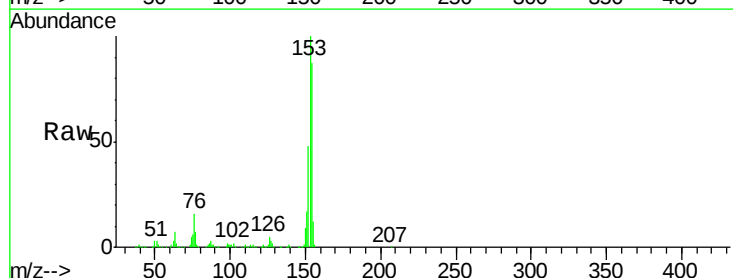
Manual Integrations
 APPROVED

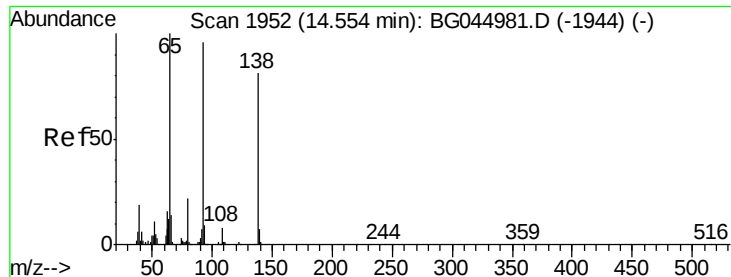
mohammad
 5/13/2020 8:15:26 AM



#52
 Acenaphthene
 Concen: 42.25 ng m
 RT: 14.69 min Scan# 1974
 Delta R.T. -0.00 min
 Lab File: BG045316.D
 Acq: 12 May 2020 5:23

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	627062		
153	115.1	89.7	134.5	
152	55.8	43.1	64.7	





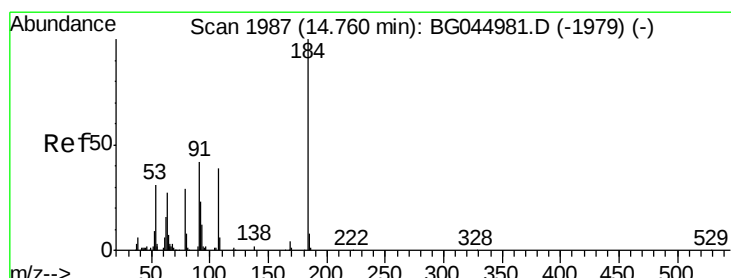
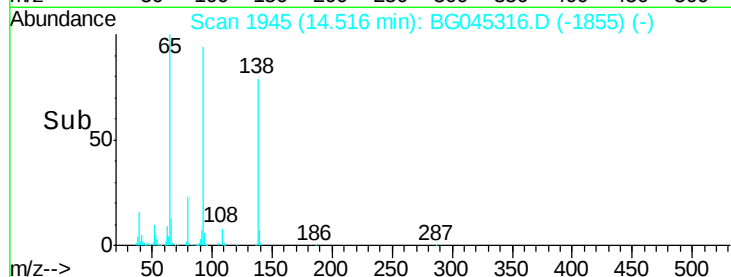
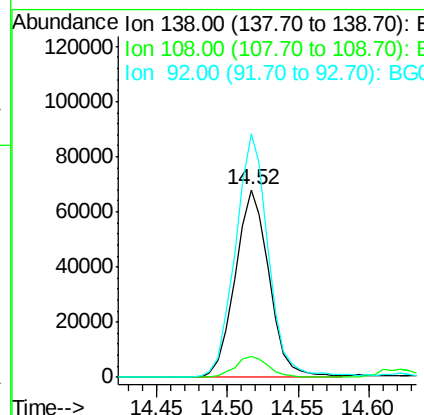
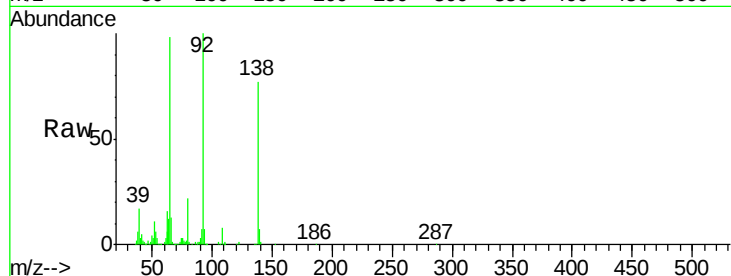
#53
3-Nitroaniline
Concen: 24.61 ng
RT: 14.52 min Scan# 1945
Delta R.T. -0.00 min
Lab File: BG045316.D
Acq: 12 May 2020 5:23

Instrument :
BNA_G
ClientSampleId :
TP-12AMSD

Tgt Ion	Ratio	Lower	Upper
138	100		
108	10.9	7.8	11.8
92	129.8	94.5	141.7

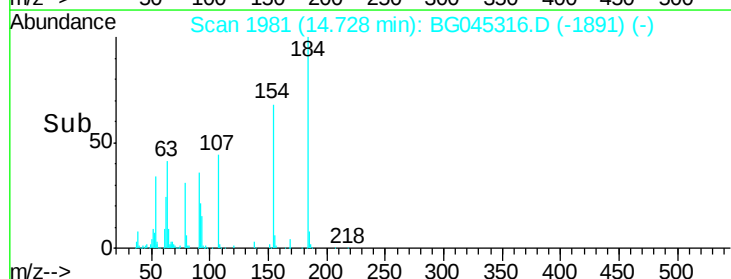
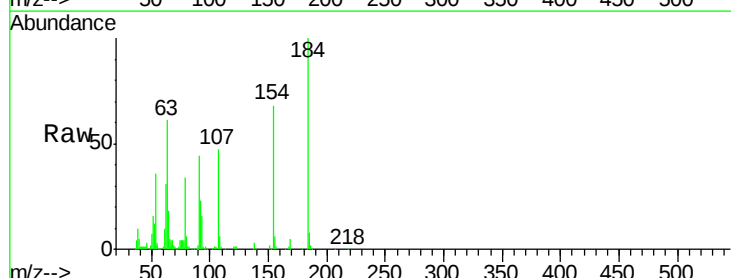
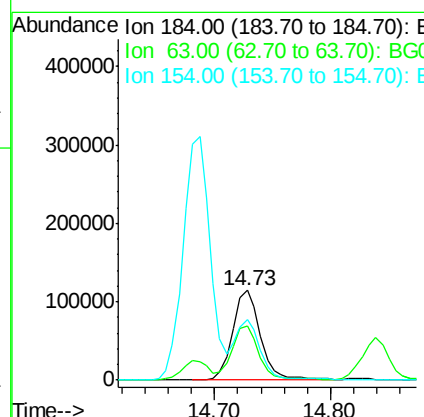
Manual Integrations
APPROVED

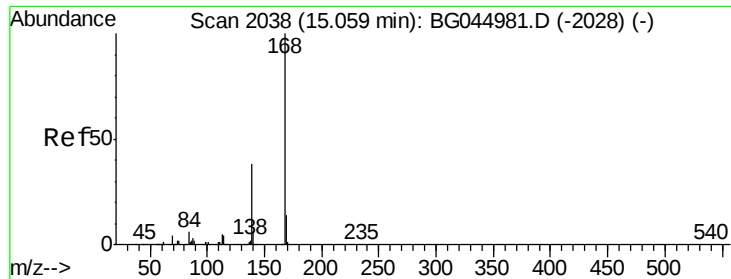
mohammad
5/13/2020 8:15:26 AM



#54
2,4-Dinitrophenol
Concen: 76.04 ng
RT: 14.73 min Scan# 1981
Delta R.T. -0.00 min
Lab File: BG045316.D
Acq: 12 May 2020 5:23

Tgt Ion	Ratio	Lower	Upper
184	100		
63	60.6	41.5	62.3
154	67.7	52.3	78.5





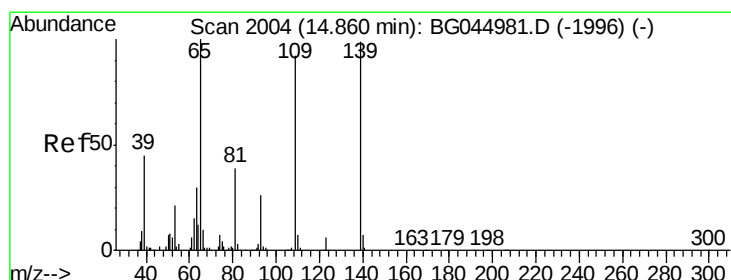
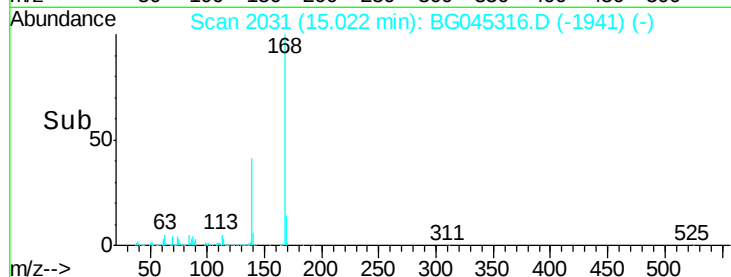
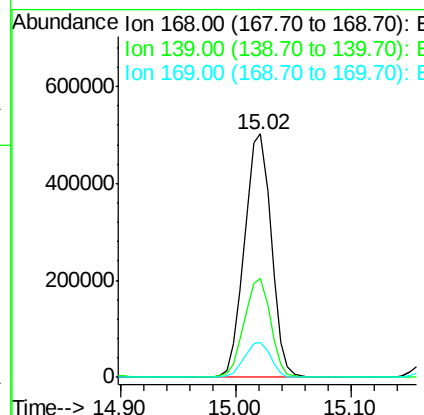
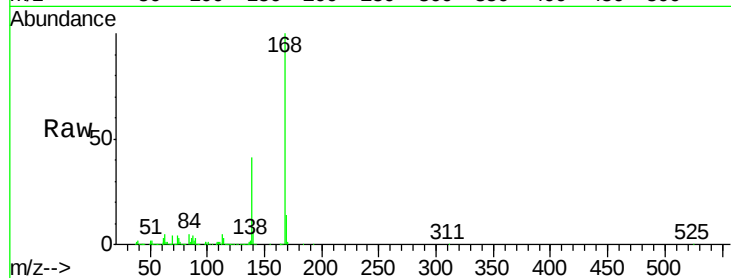
#55
Dibenzenofuran
Concen: 37.46 ng
RT: 15.02 min Scan# 2031
Delta R.T. -0.00 min
Lab File: BG045316.D
Acq: 12 May 2020 5:23

Instrument :
BNA_G
ClientSampleId :
TP-12AMSD

Tgt Ion	Ratio	Lower	Upper
168	100		
139	40.7	30.4	45.6
169	14.4	11.0	16.4

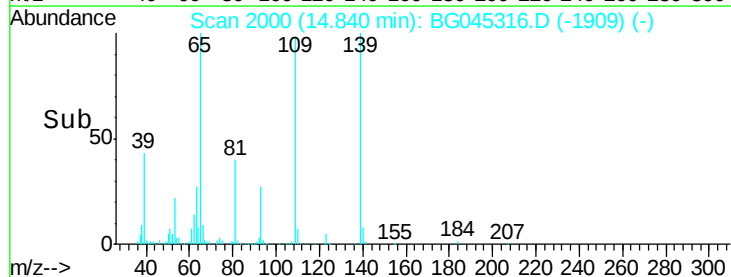
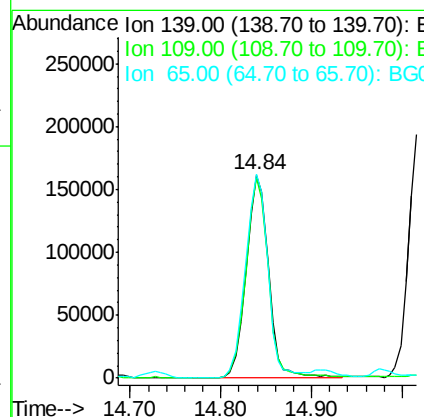
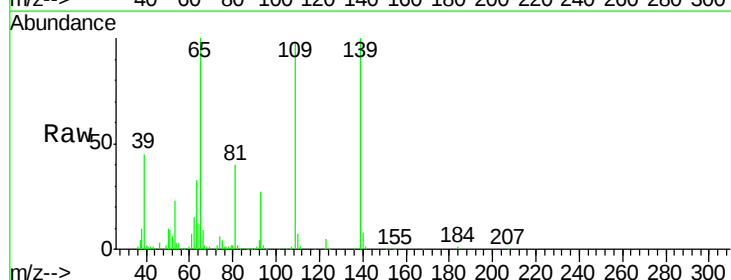
Manual Integrations
APPROVED

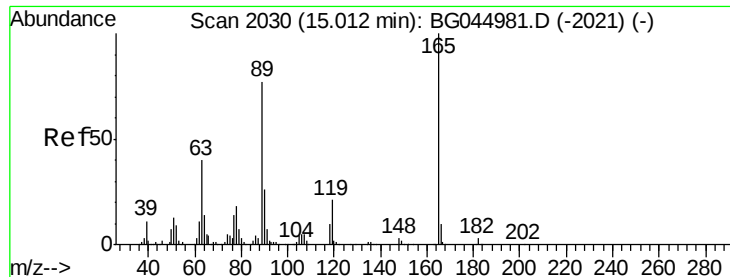
mohammad
5/13/2020 8:15:26 AM



#56
4-Nitrophenol
Concen: 77.10 ng
RT: 14.84 min Scan# 2000
Delta R.T. 0.00 min
Lab File: BG045316.D
Acq: 12 May 2020 5:23

Tgt Ion	Ratio	Lower	Upper
139	100		
109	98.4	73.6	113.6
65	100.3	81.2	121.2





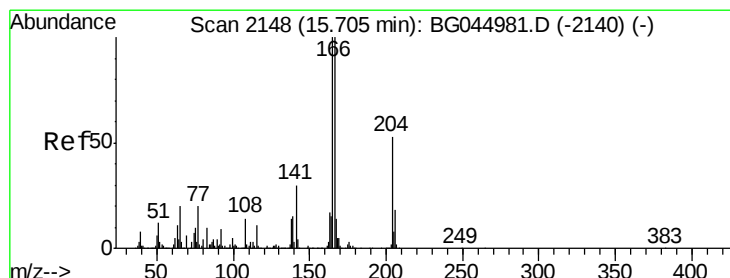
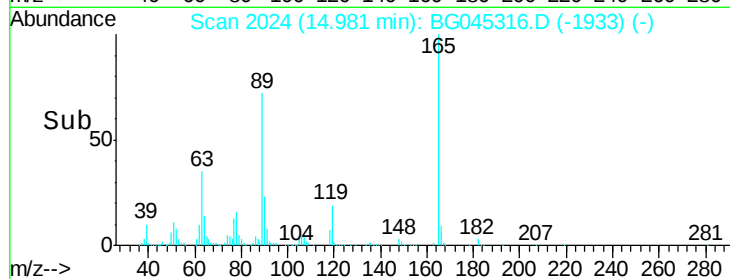
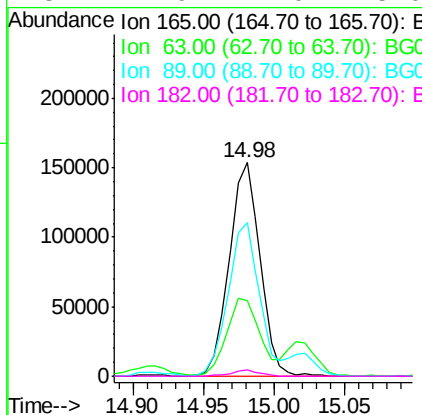
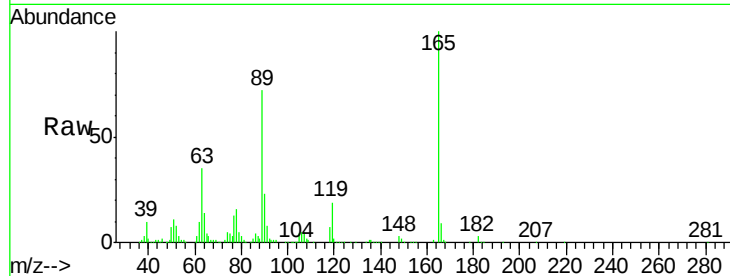
#57
 2,4-Dinitrotoluene
 Concen: 37.81 ng
 RT: 14.98 min Scan# 2024
 Delta R.T. 0.00 min
 Lab File: BG045316.D
 Acq: 12 May 2020 5:23

Instrument :
 BNA_G
 ClientSampleId :
 TP-12AMSD

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	233388		
63	35.3	32.2	48.2	
89	71.9	61.7	92.5	
182	2.9	2.0	3.0	

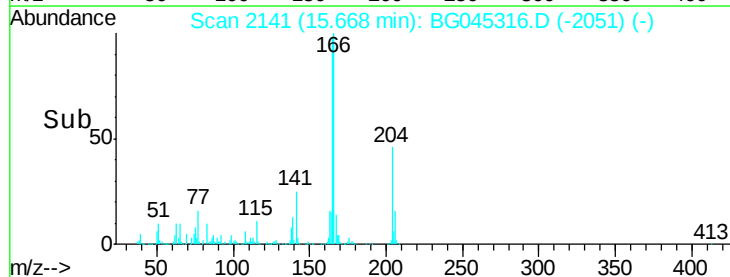
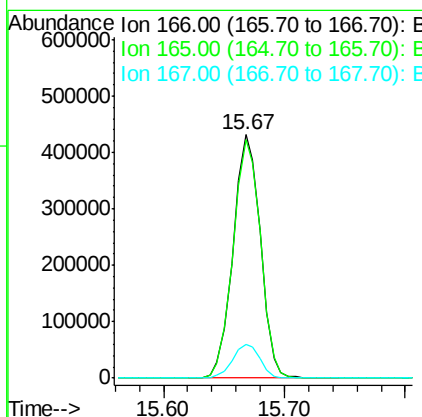
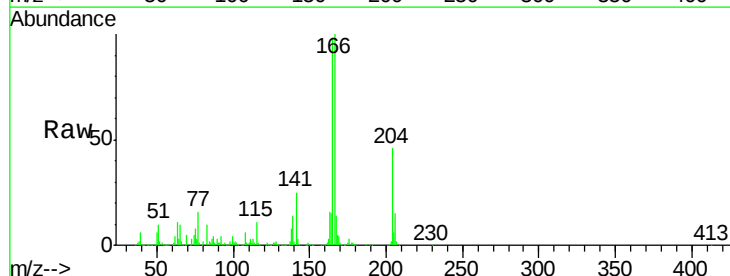
Manual Integrations
 APPROVED

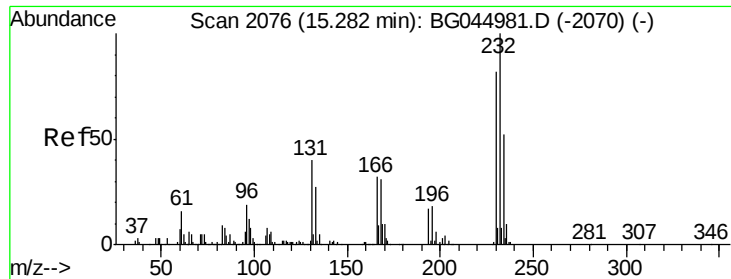
mohammad
 5/13/2020 8:15:26 AM



#58
 Fluorene
 Concen: 38.33 ng
 RT: 15.67 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: BG045316.D
 Acq: 12 May 2020 5:23

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	677488		
165	98.2	79.9	119.9	
167	13.6	11.4	17.0	





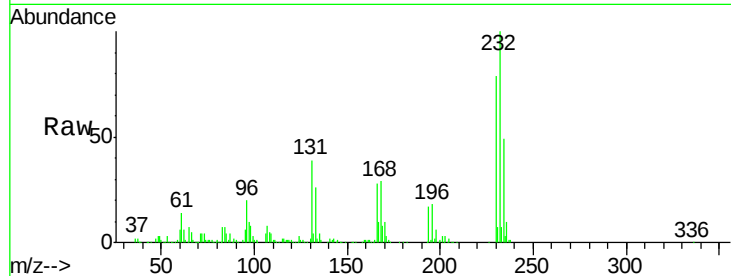
#59
2,3,4,6-Tetrachlorophenol
Concen: 40.24 ng
RT: 15.25 min Scan# 2070
Delta R.T. -0.00 min
Lab File: BG045316.D
Acq: 12 May 2020 5:23

Instrument :
BNA_G
ClientSampleId :
TP-12AMSD

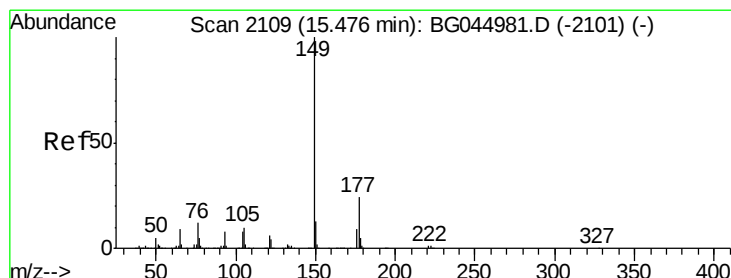
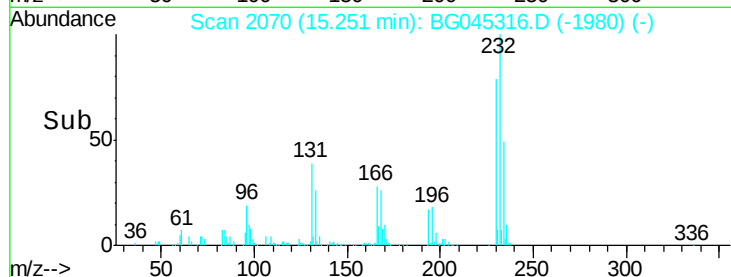
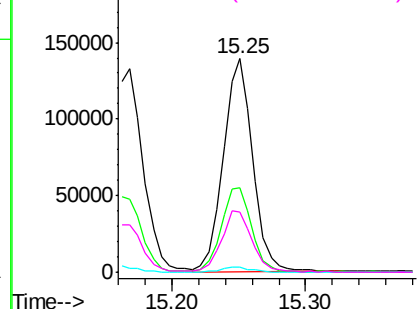
Tgt Ion	Ratio	Resp	Lower	Upper
232	100	214755		
131	40.6	32.2	48.2	
130	2.4	2.2	3.2	
166	29.9	24.2	36.4	

Manual Integrations
APPROVED

mohammad
5/13/2020 8:15:26 AM

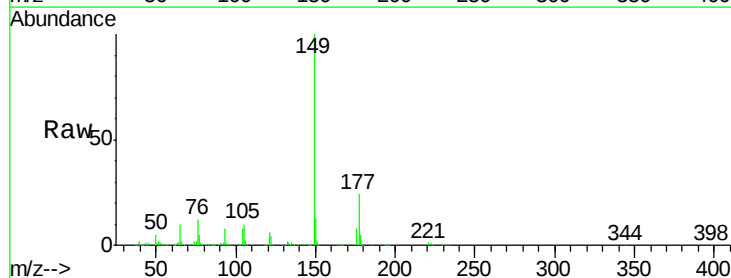


Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E

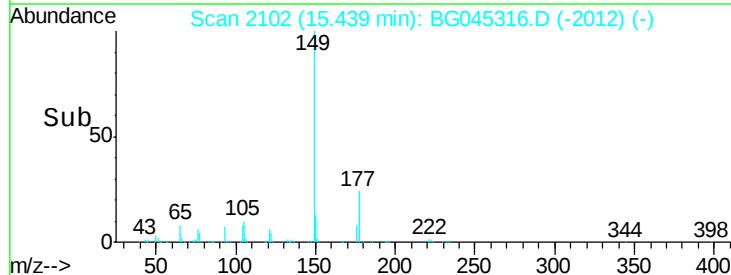
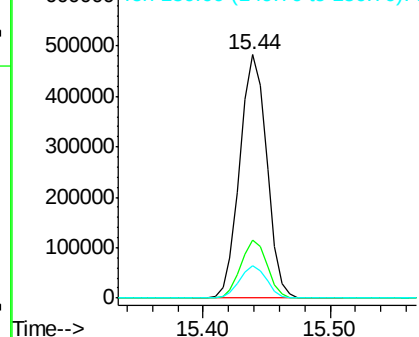


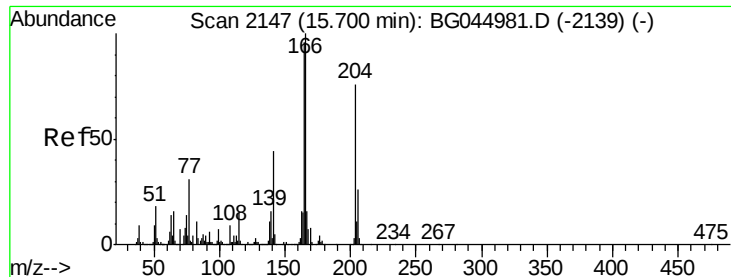
#60
Diethylphthalate
Concen: 35.99 ng
RT: 15.44 min Scan# 2102
Delta R.T. -0.00 min
Lab File: BG045316.D
Acq: 12 May 2020 5:23

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	708533		
177	23.9	18.9	28.3	
150	13.3	10.6	15.8	



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





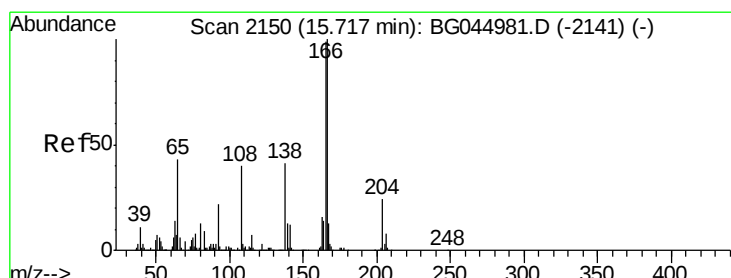
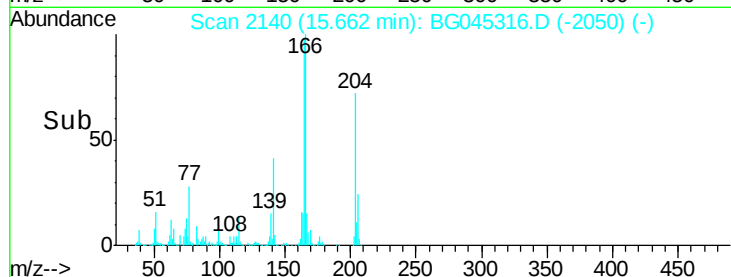
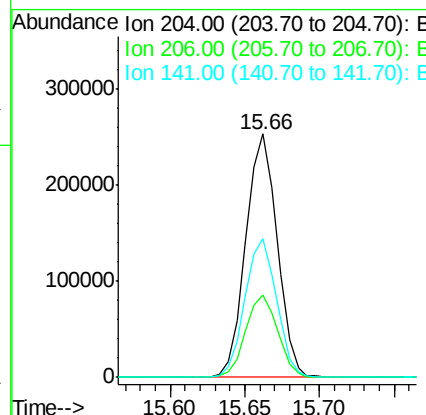
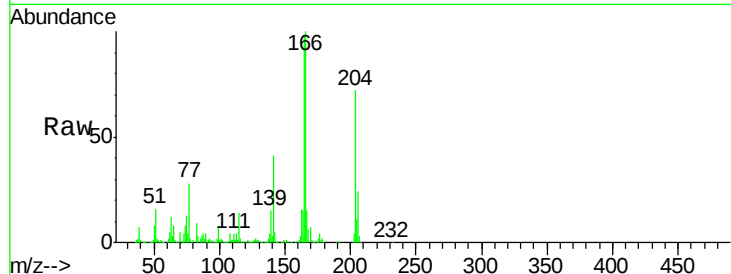
#61
 4-Chlorophenyl-phenylether
 Concen: 36.35 ng
 RT: 15.66 min Scan# 2140
 Delta R.T. -0.00 min
 Lab File: BG045316.D
 Acq: 12 May 2020 5:23

Instrument :
 BNA_G
 ClientSampleId :
 TP-12AMSD

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	369857		
206	33.6	26.9	40.3	
141	57.2	46.3	69.5	

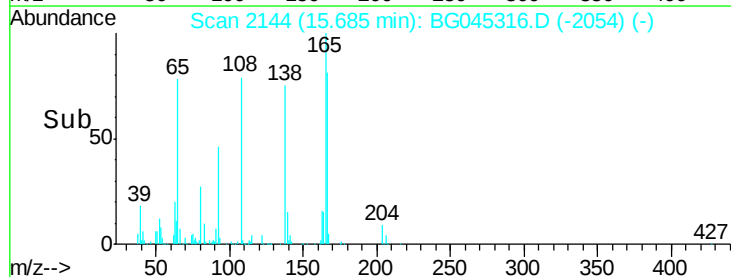
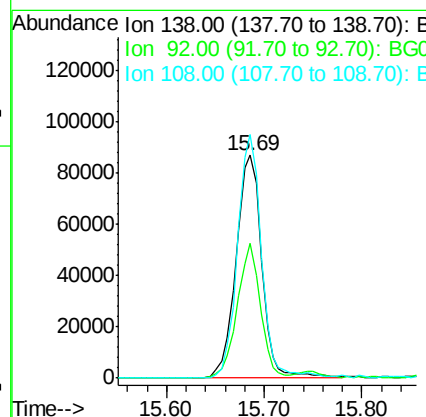
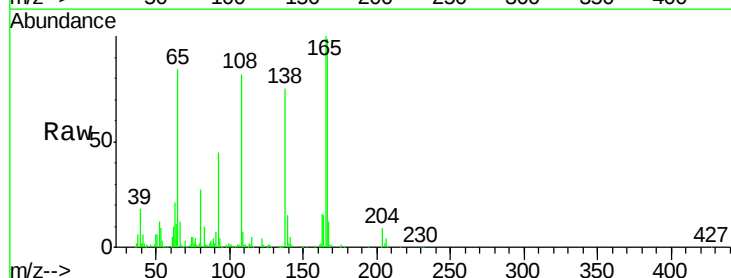
Manual Integrations
 APPROVED

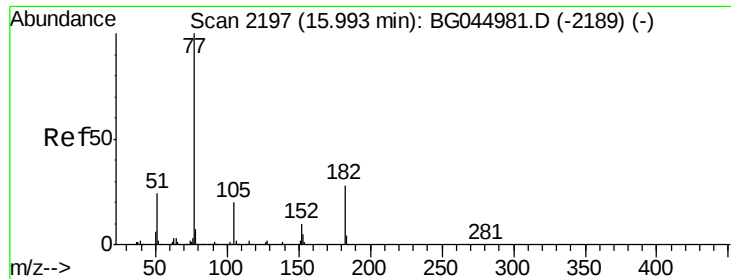
mohammad
 5/13/2020 8:15:26 AM



#62
 4-Nitroaniline
 Concen: 33.26 ng
 RT: 15.69 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: BG045316.D
 Acq: 12 May 2020 5:23

Tgt Ion	Ratio	Resp	Lower	Upper
138	100	159801		
92	60.6	33.6	73.6	
108	109.4	78.2	118.2	





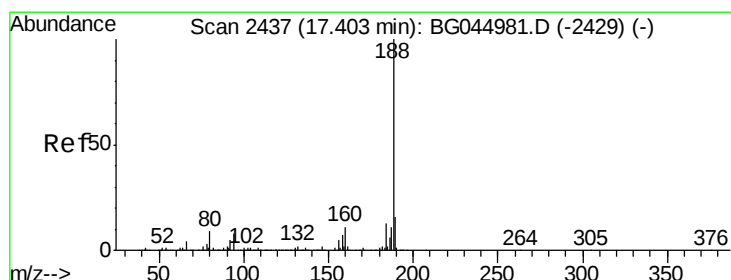
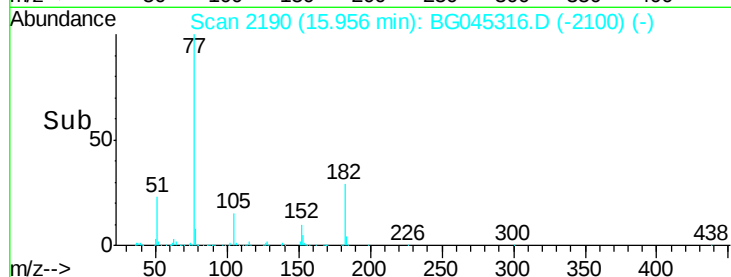
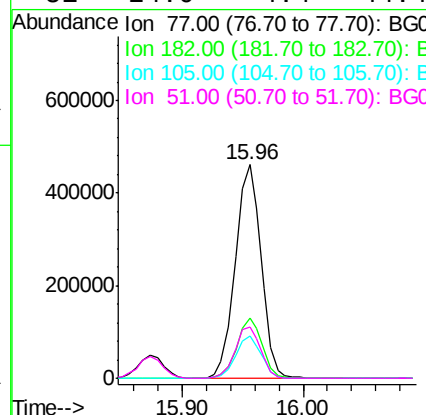
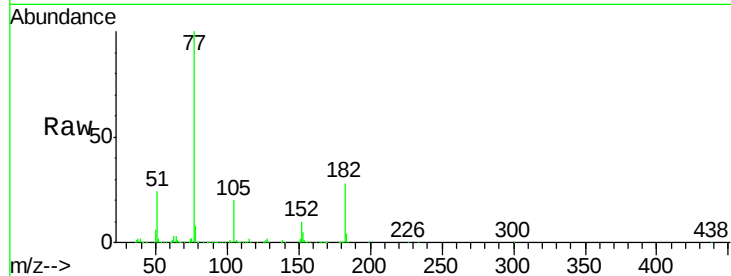
#63
Azobenzene
Concen: 37.63 ng
RT: 15.96 min Scan# 2190
Delta R.T. -0.00 min
Lab File: BG045316.D
Acq: 12 May 2020 5:23

Instrument :
BNA_G
ClientSampleId :
TP-12AMSD

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	683109		
182	28.0	8.4	48.4	
105	19.6	0.5	40.5	
51	24.0	4.4	44.4	

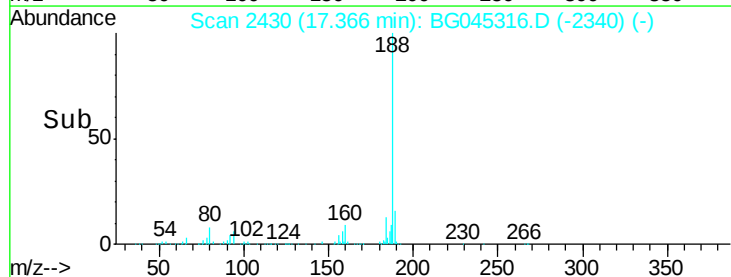
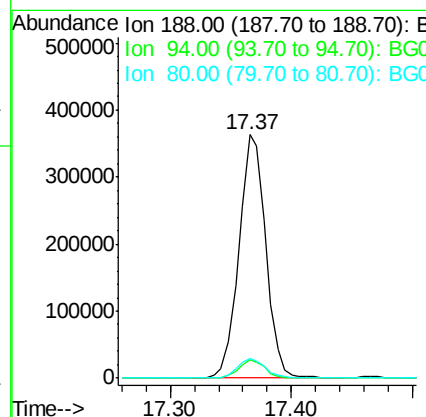
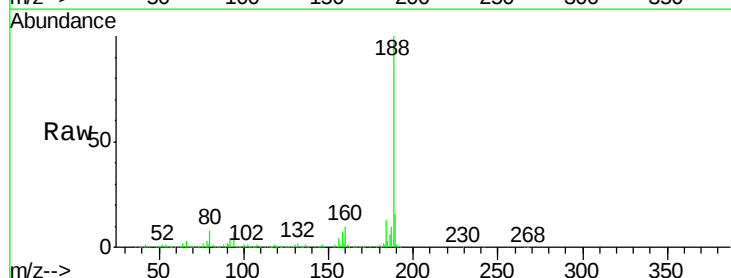
Manual Integrations
APPROVED

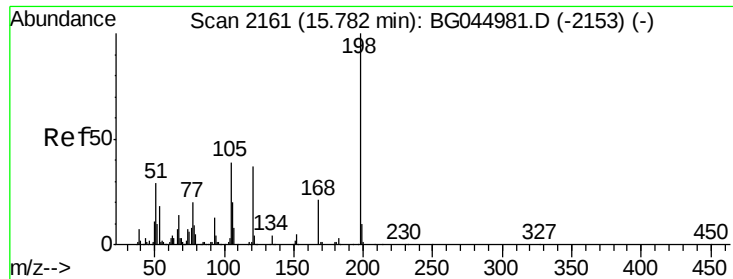
mohammad
5/13/2020 8:15:26 AM



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.37 min Scan# 2430
Delta R.T. -0.00 min
Lab File: BG045316.D
Acq: 12 May 2020 5:23

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	562111		
94	7.5	6.2	9.4	
80	8.2	7.0	10.6	





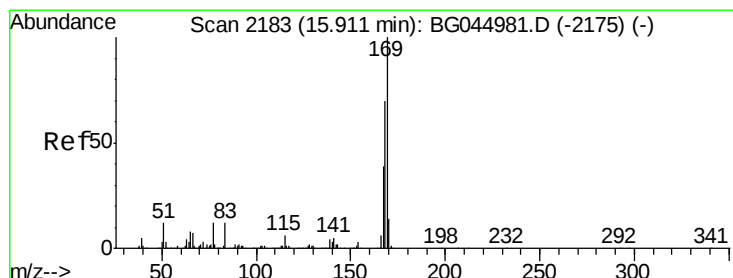
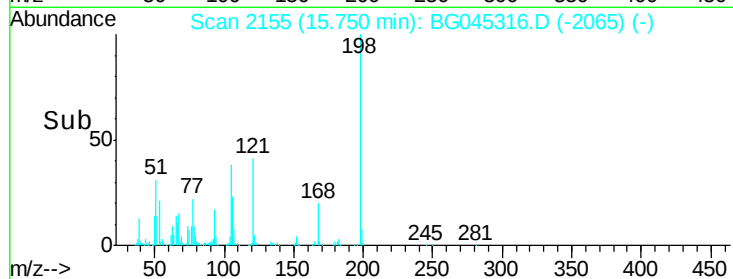
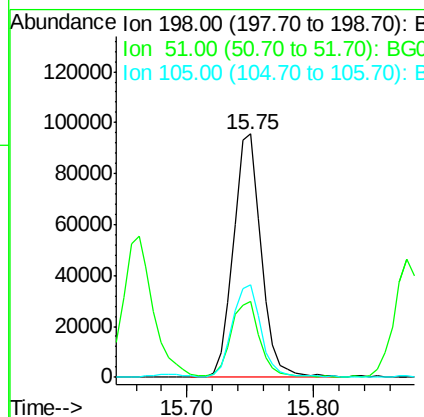
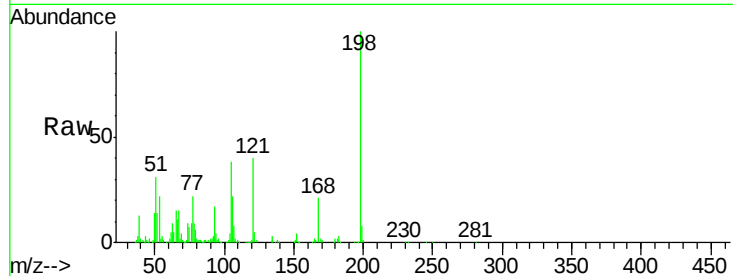
#65
 4,6-Dinitro-2-methylphenol
 Concen: 38.97 ng
 RT: 15.75 min Scan# 2155
 Delta R.T. -0.00 min
 Lab File: BG045316.D
 Acq: 12 May 2020 5:23

Instrument :
 BNA_G
 ClientSampleId :
 TP-12AMSD

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	143997		
51	31.1	10.0	50.0	
105	38.0	18.9	58.9	

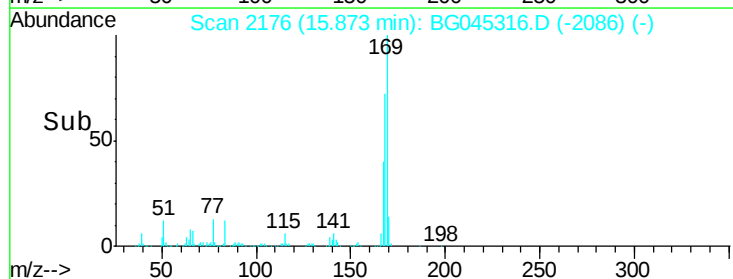
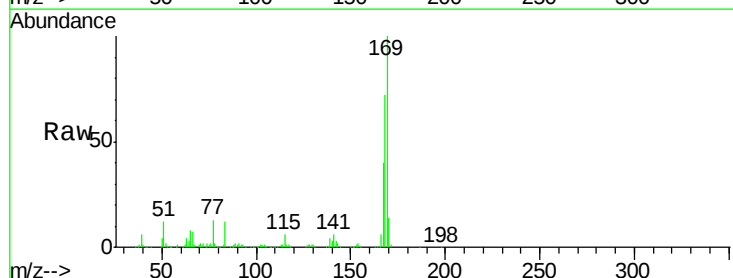
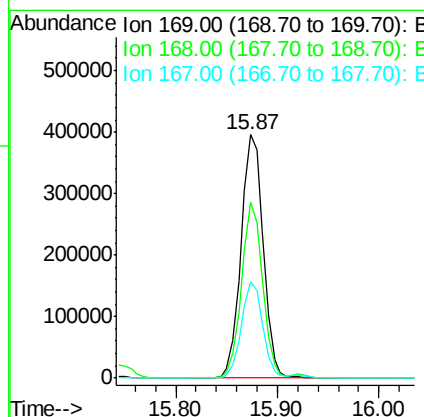
Manual Integrations
 APPROVED

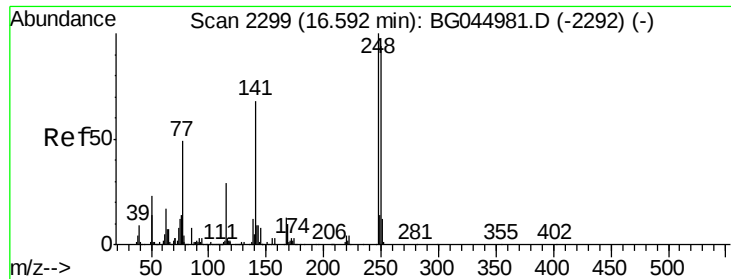
mohammad
 5/13/2020 8:15:26 AM



#66
 n-Nitrosodiphenylamine
 Concen: 37.17 ng
 RT: 15.87 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: BG045316.D
 Acq: 12 May 2020 5:23

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	600315		
168	72.3	55.8	83.8	
167	39.7	30.8	46.2	





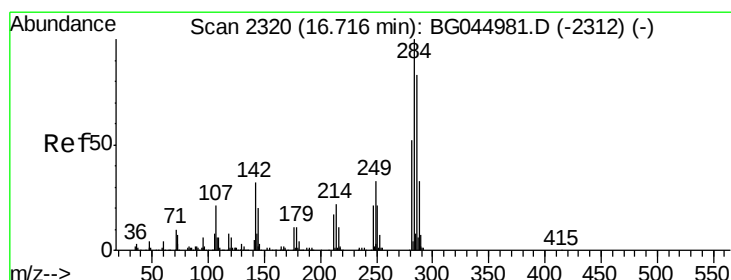
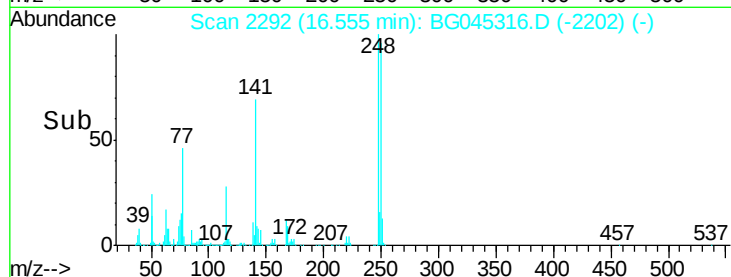
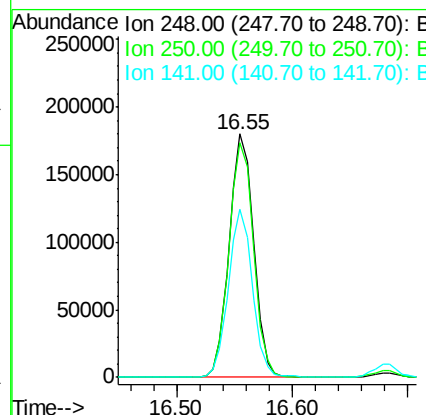
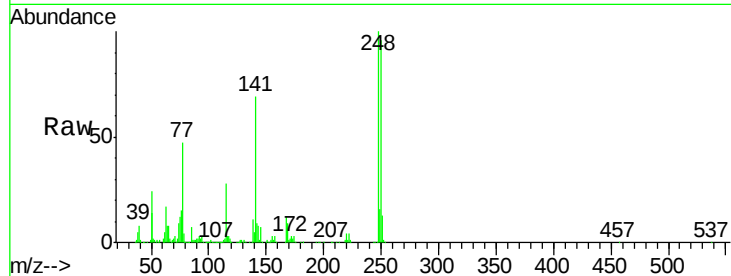
#67
 4-Bromophenyl-phenylether
 Concen: 36.50 ng
 RT: 16.55 min Scan# 2292
 Delta R.T. -0.00 min
 Lab File: BG045316.D
 Acq: 12 May 2020 5:23

Instrument :
 BNA_G
 ClientSampleId :
 TP-12AMSD

Tgt Ion	Ratio	Lower	Upper
248	100		
250	96.4	75.4	113.2
141	68.9	54.4	81.6

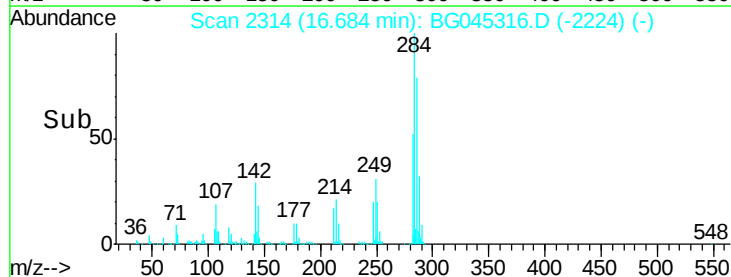
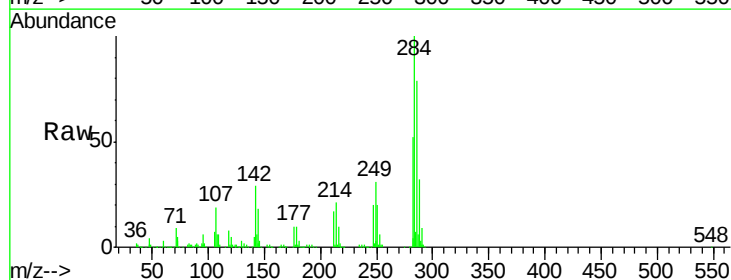
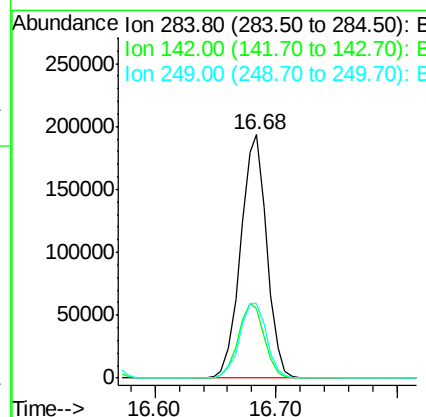
Manual Integrations
 APPROVED

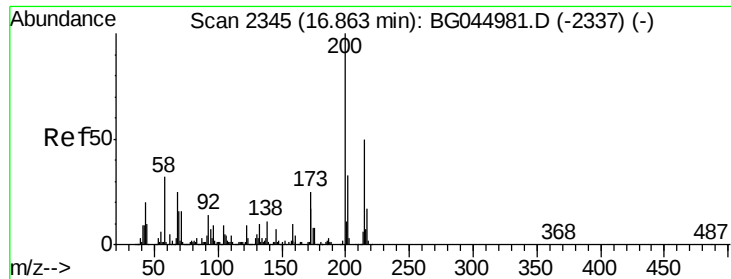
mohammad
 5/13/2020 8:15:26 AM



#68
 Hexachlorobenzene
 Concen: 38.58 ng
 RT: 16.68 min Scan# 2314
 Delta R.T. -0.00 min
 Lab File: BG045316.D
 Acq: 12 May 2020 5:23

Tgt Ion	Ratio	Lower	Upper
284	100		
142	28.8	25.8	38.6
249	30.9	26.6	39.8





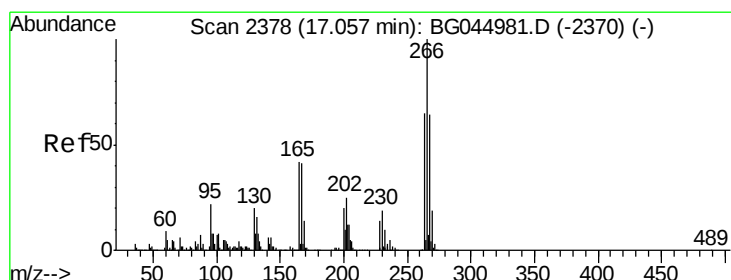
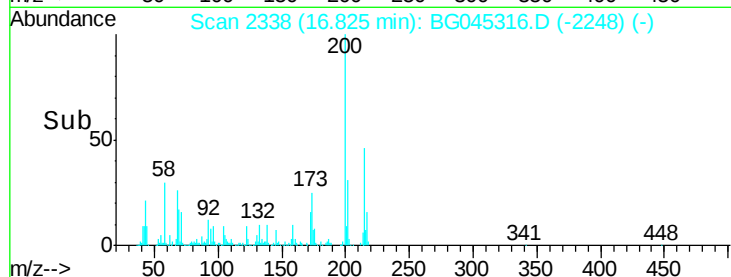
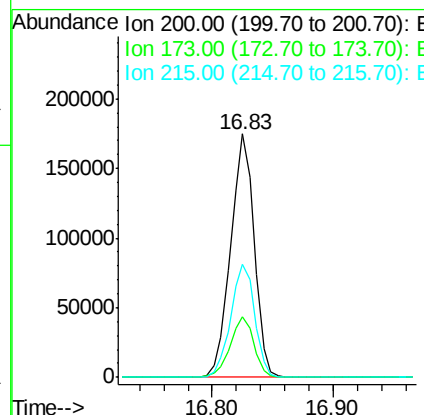
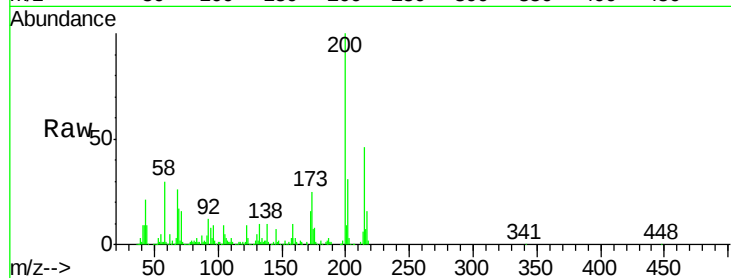
#69
Atrazine
Concen: 39.59 ng
RT: 16.83 min Scan# 2338
Delta R.T. -0.00 min
Lab File: BG045316.D
Acq: 12 May 2020 5:23

Instrument :
BNA_G
ClientSampleId :
TP-12AMSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
200	100		
173	25.1	4.5	44.5
215	46.5	30.0	70.0

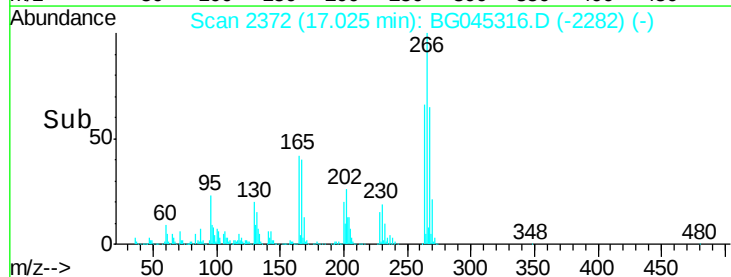
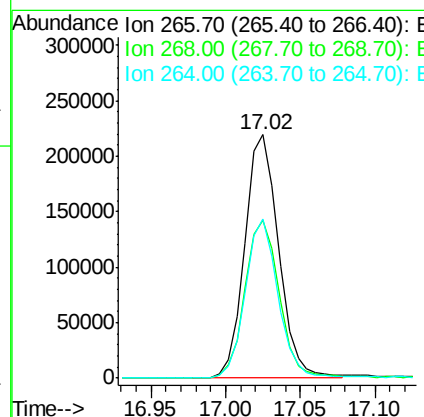
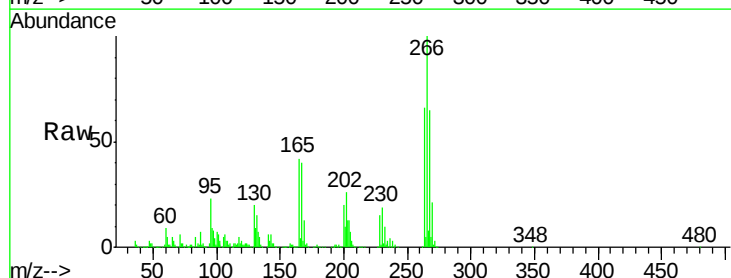
Manual Integrations
APPROVED

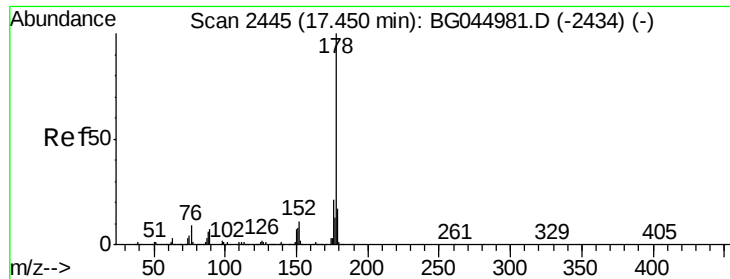
mohammad
5/13/2020 8:15:26 AM



#70
Pentachlorophenol
Concen: 74.81 ng
RT: 17.02 min Scan# 2372
Delta R.T. -0.00 min
Lab File: BG045316.D
Acq: 12 May 2020 5:23

Tgt Ion	Ratio	Resp Lower	Resp Upper
266	100		
268	64.6	51.5	77.3
264	65.5	52.2	78.4





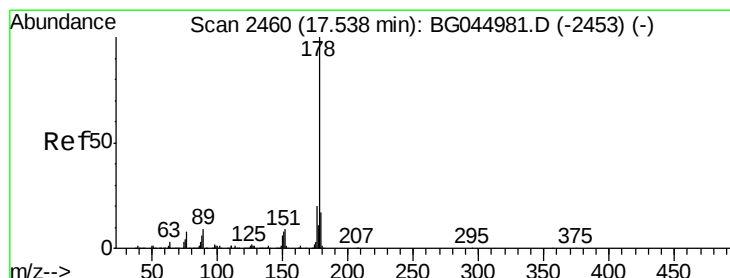
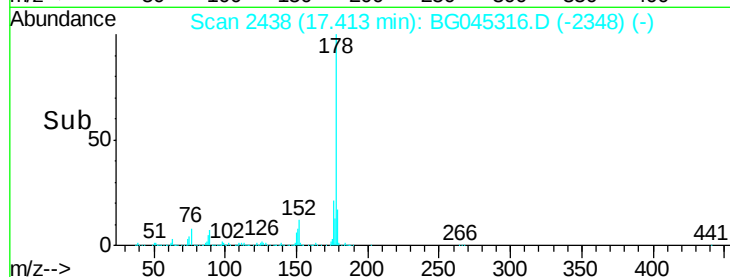
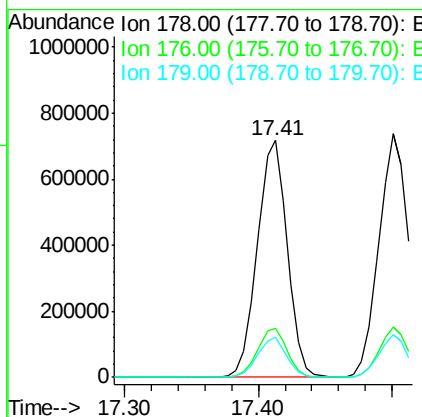
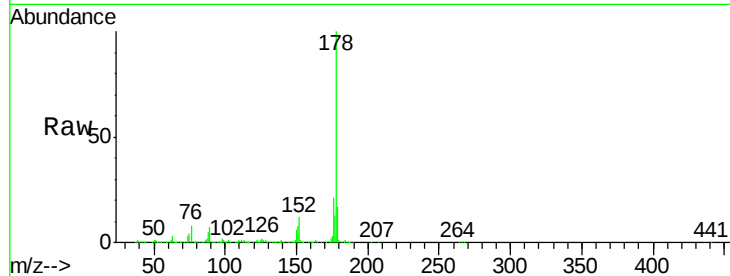
#71
Phenanthrene
Concen: 38.30 ng
RT: 17.41 min Scan# 2438
Delta R.T. -0.00 min
Lab File: BG045316.D
Acq: 12 May 2020 5:23

Instrument :
BNA_G
ClientSampleId :
TP-12AMSD

Tgt Ion:178 Resp: 1106190
Ion Ratio Lower Upper
178 100
176 20.8 16.8 25.2
179 17.0 13.2 19.8

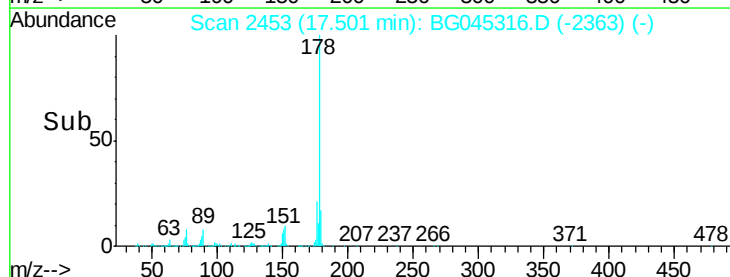
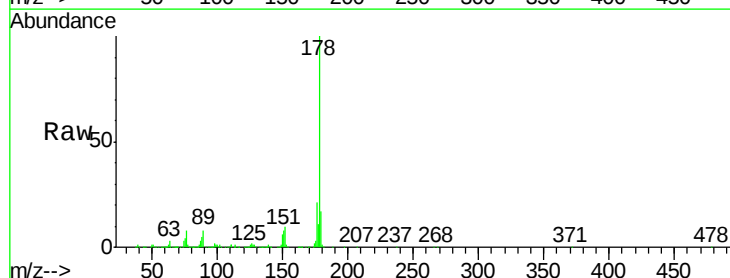
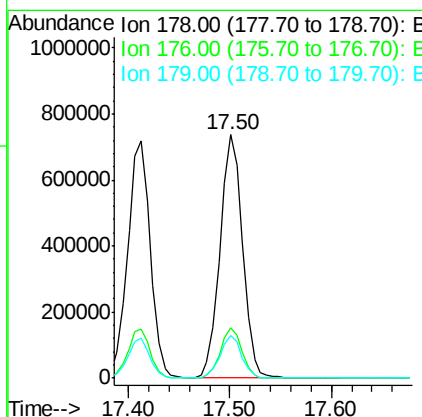
Manual Integrations
APPROVED

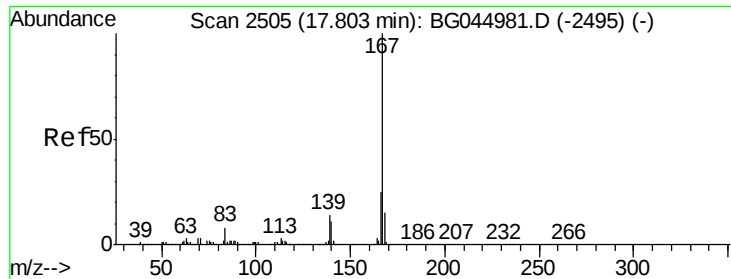
mohammad
5/13/2020 8:15:26 AM



#72
Anthracene
Concen: 39.21 ng
RT: 17.50 min Scan# 2453
Delta R.T. -0.00 min
Lab File: BG045316.D
Acq: 12 May 2020 5:23

Tgt Ion:178 Resp: 1136239
Ion Ratio Lower Upper
178 100
176 20.8 16.0 24.0
179 17.5 13.6 20.4





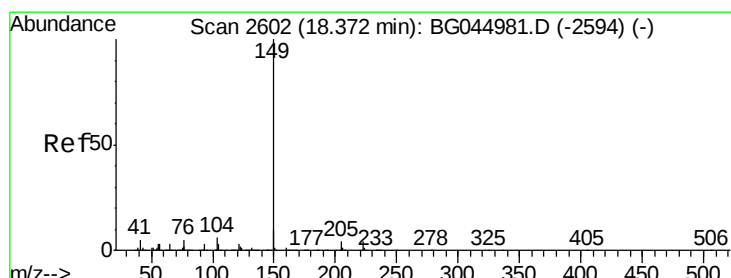
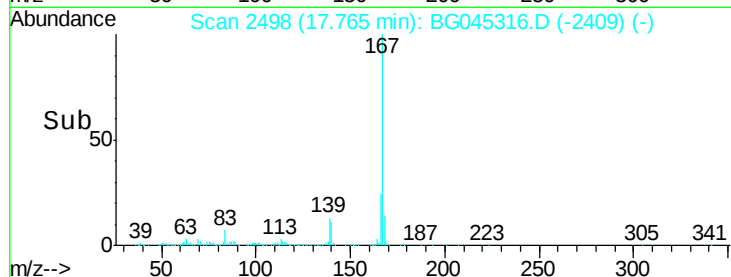
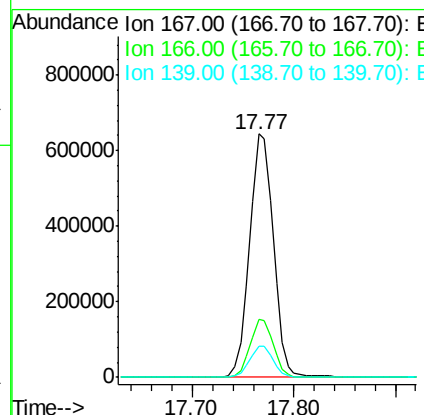
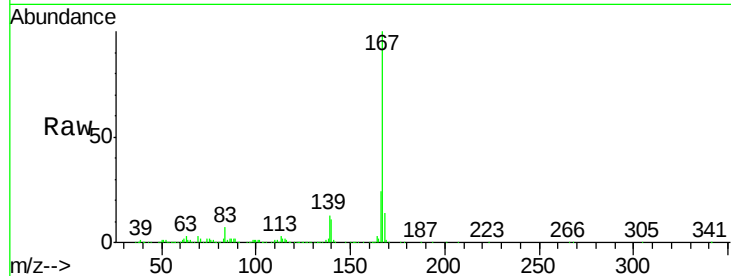
#73
 Carbazole
 Concen: 35.84 ng
 RT: 17.77 min Scan# 2498
 Delta R.T. -0.01 min
 Lab File: BG045316.D
 Acq: 12 May 2020 5:23

Instrument :
 BNA_G
 ClientSampleId :
 TP-12AMSD

Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.6	19.8	29.6
139	13.0	10.9	16.3

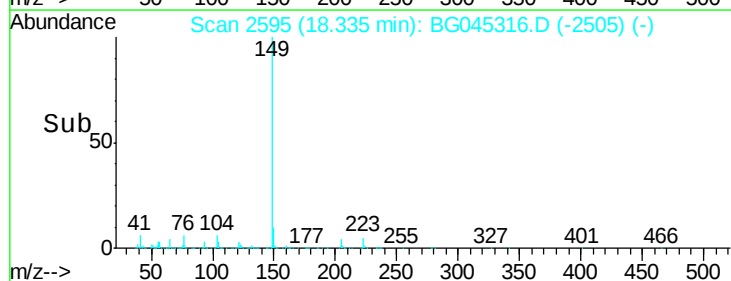
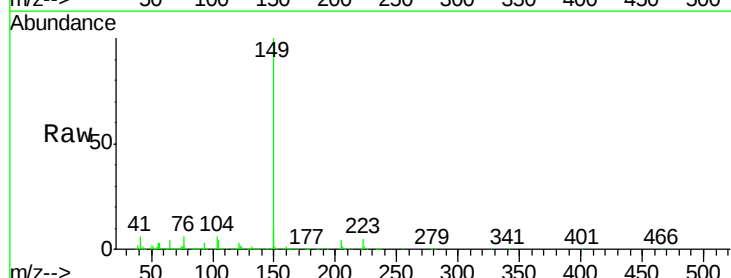
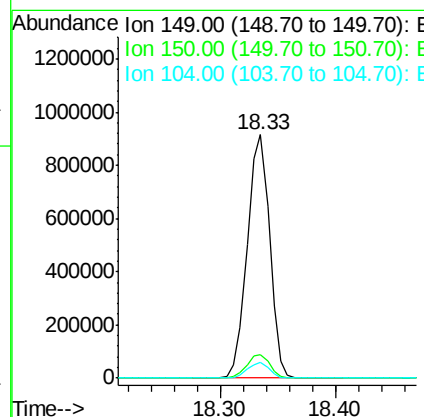
Manual Integrations
 APPROVED

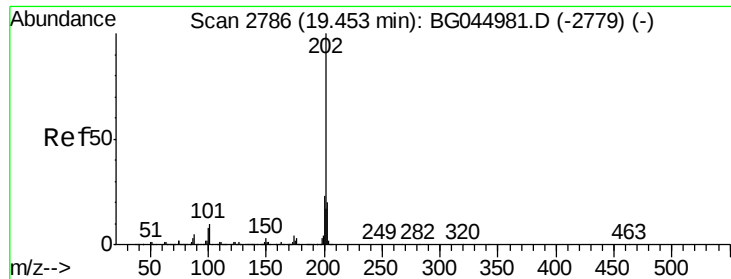
mohammad
 5/13/2020 8:15:26 AM



#74
 Di-n-butylphthalate
 Concen: 37.44 ng
 RT: 18.33 min Scan# 2595
 Delta R.T. -0.00 min
 Lab File: BG045316.D
 Acq: 12 May 2020 5:23

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.5	8.2	12.2
104	6.3	4.8	7.2





#75

Fluoranthene

Concen: 39.37 ng

RT: 19.42 min Scan# 2780

Delta R.T. -0.00 min

Lab File: BG045316.D

Acq: 12 May 2020 5:23

Instrument :

BNA_G

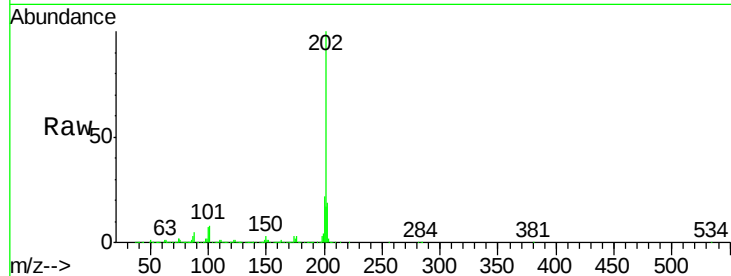
ClientSampleId :

TP-12AMSD

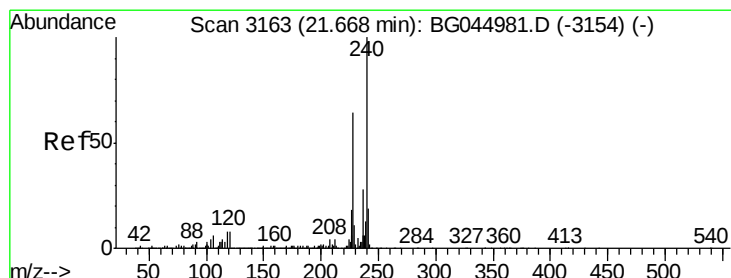
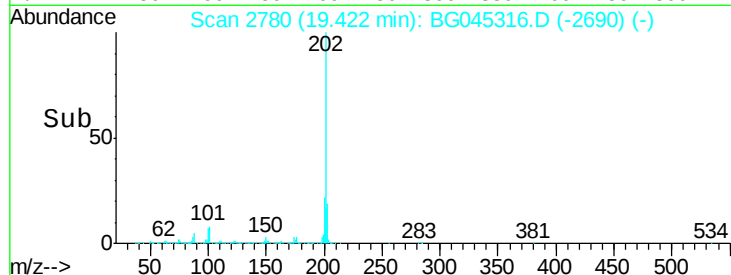
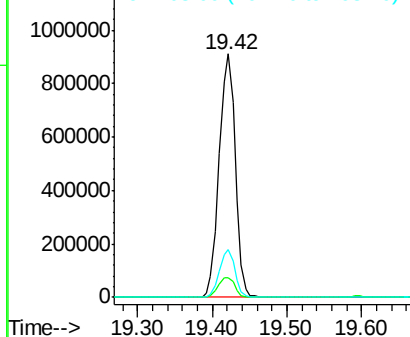
Tgt	Ion	202	Resp	1362837
Ion	Ratio	Lower	Upper	
202	100			
101	8.2	0.0	29.6	
203	19.4	0.0	39.7	

Manual Integrations
APPROVED

mohammad
5/13/2020 8:15:26 AM



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.00 ng

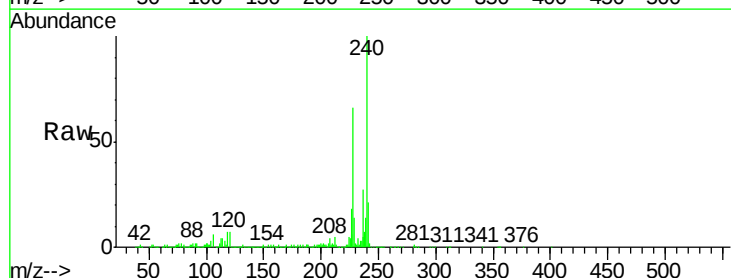
RT: 21.63 min Scan# 3156

Delta R.T. -0.01 min

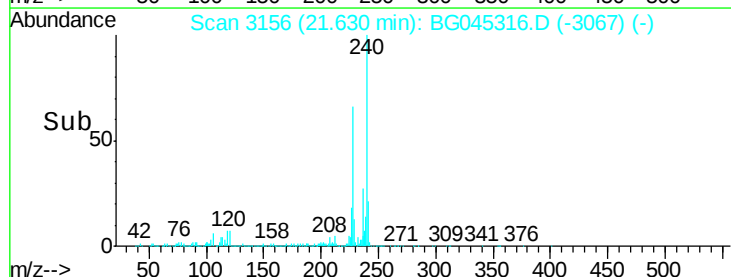
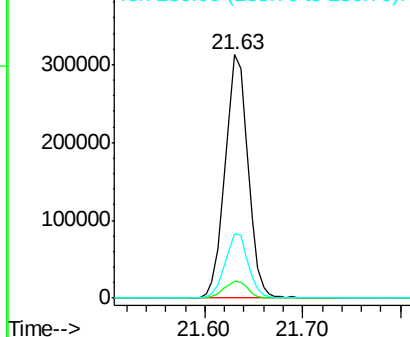
Lab File: BG045316.D

Acq: 12 May 2020 5:23

Tgt	Ion	240	Resp	511832
Ion	Ratio	Lower	Upper	
240	100			
120	7.1	6.6	10.0	
236	26.6	22.2	33.2	



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 62.16 ng

RT: 19.60 min Scan# 2810

Delta R.T. -0.00 min

Lab File: BG045316.D

Acq: 12 May 2020 5:23

Instrument :

BNA_G

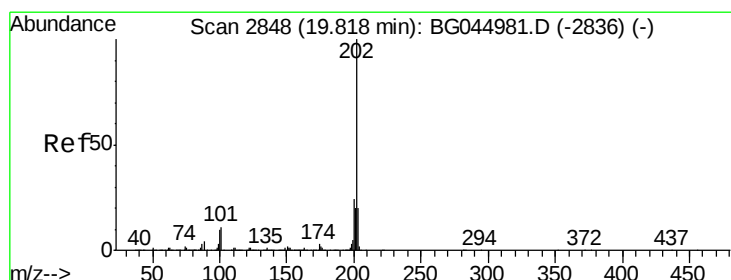
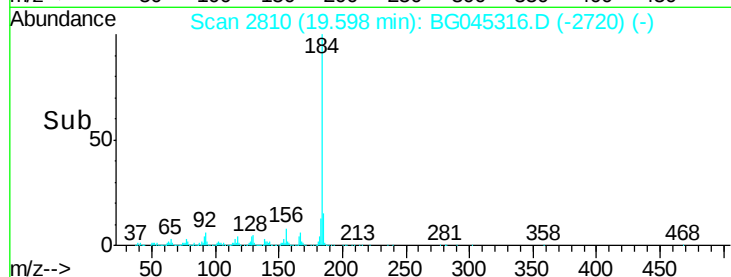
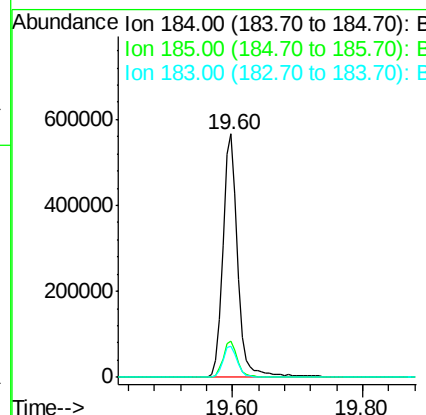
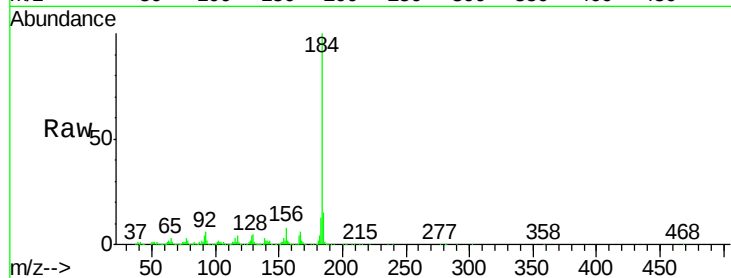
ClientSampleId :

TP-12AMSD

Tgt Ion:	184	Resp:	887803
Ion Ratio	Lower	Upper	
184	100		
185	14.7	12.6	19.0
183	13.0	11.3	16.9

Manual Integrations
APPROVED

mohammad
5/13/2020 8:15:26 AM



#78

Pyrene

Concen: 38.49 ng

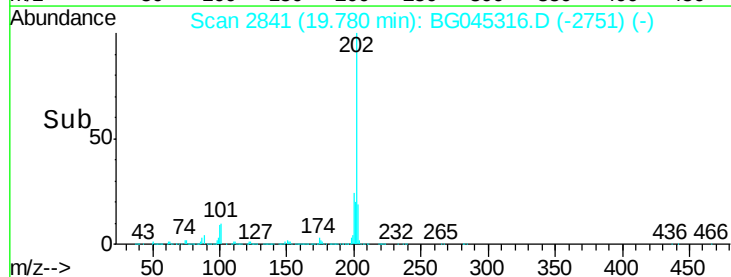
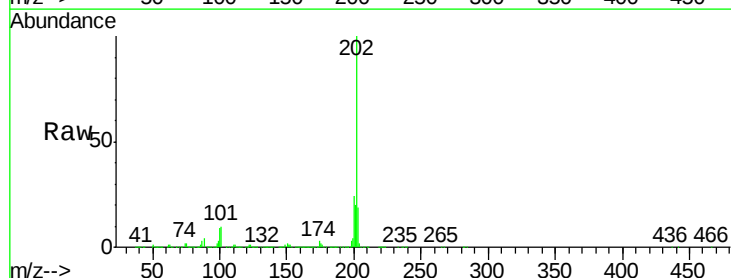
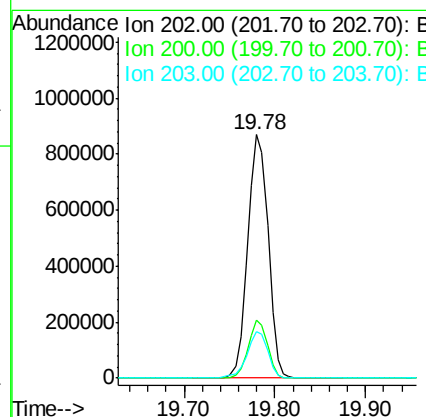
RT: 19.78 min Scan# 2841

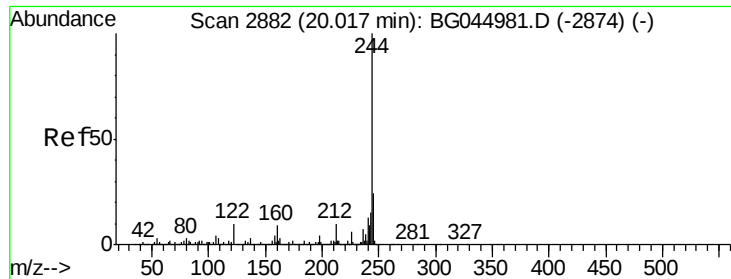
Delta R.T. -0.00 min

Lab File: BG045316.D

Acq: 12 May 2020 5:23

Tgt Ion:	202	Resp:	1358019
Ion Ratio	Lower	Upper	
202	100		
200	23.7	19.0	28.6
203	19.3	16.1	24.1





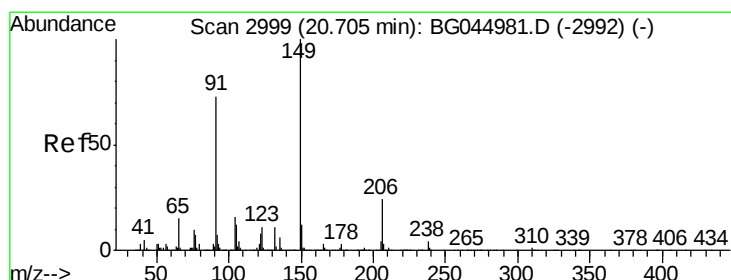
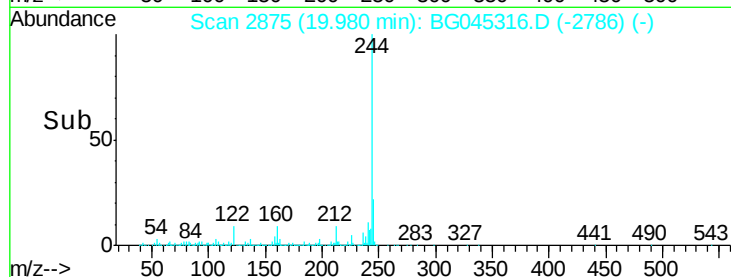
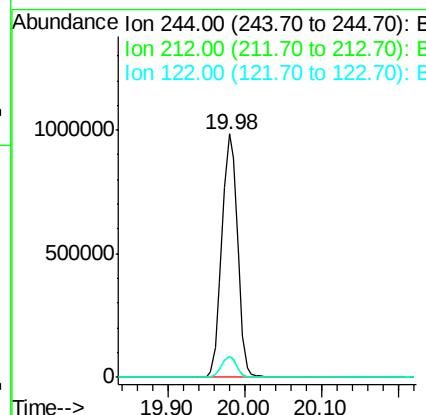
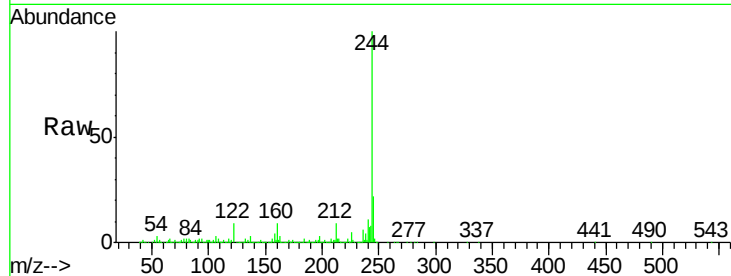
#79
 Terphenyl-d14
 Concen: 59.02 ng
 RT: 19.98 min Scan# 2875
 Delta R.T. -0.01 min
 Lab File: BG045316.D
 Acq: 12 May 2020 5:23

Instrument :
 BNA_G
 ClientSampleId :
 TP-12AMSD

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.6	7.9	11.9
122	8.8	7.7	11.5

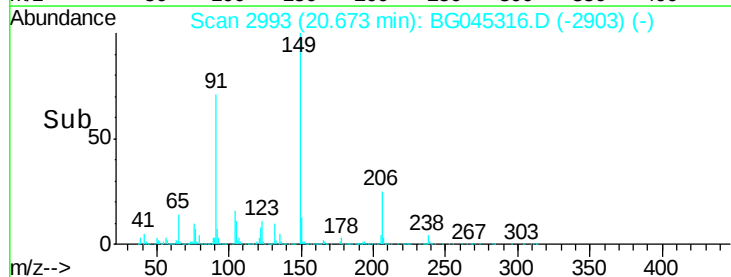
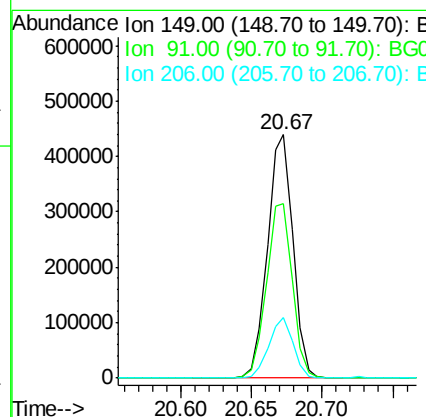
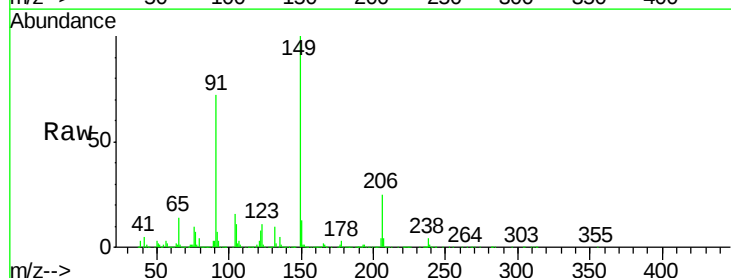
Manual Integrations
 APPROVED

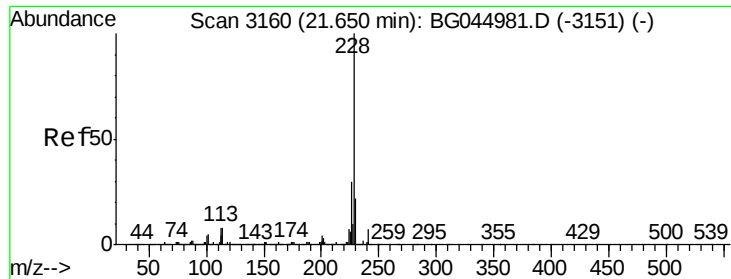
mohammad
 5/13/2020 8:15:26 AM



#80
 Butylbenzylphthalate
 Concen: 38.11 ng
 RT: 20.67 min Scan# 2993
 Delta R.T. -0.00 min
 Lab File: BG045316.D
 Acq: 12 May 2020 5:23

Tgt Ion	Ratio	Lower	Upper
149	100		
91	71.5	58.5	87.7
206	24.9	19.2	28.8





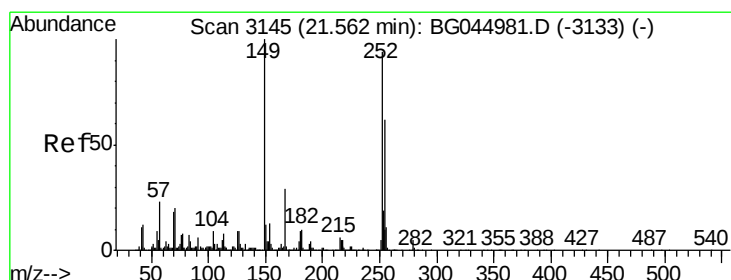
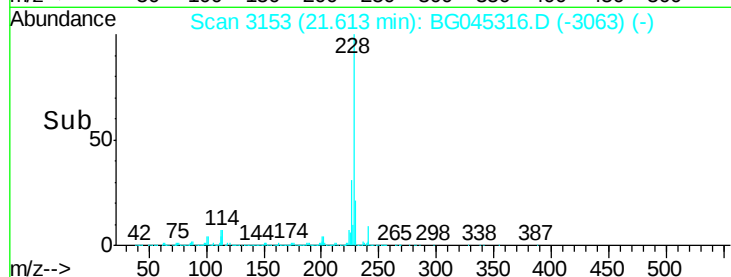
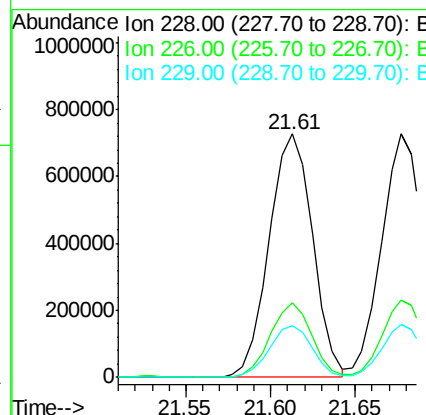
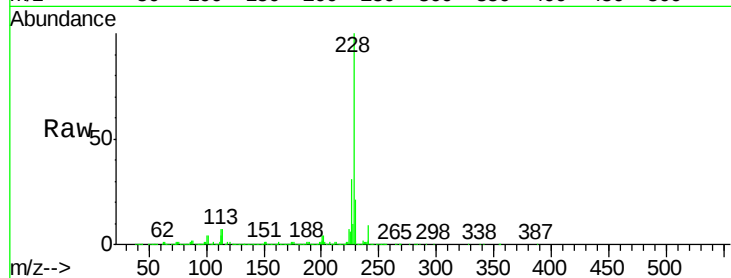
#81
Benzo(a)anthracene
Concen: 38.89 ng
RT: 21.61 min Scan# 3153
Delta R.T. -0.00 min
Lab File: BG045316.D
Acq: 12 May 2020 5:23

Instrument :
BNA_G
ClientSampleId :
TP-12AMSD

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.0	36.0
229	21.4	17.5	26.3

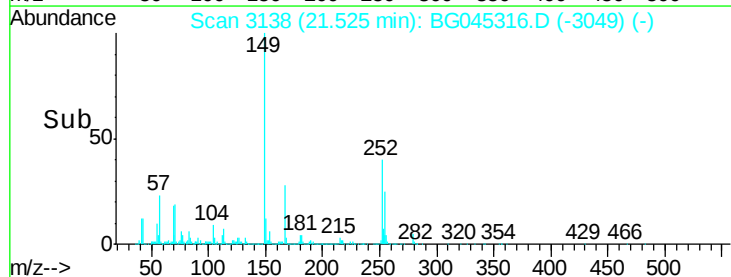
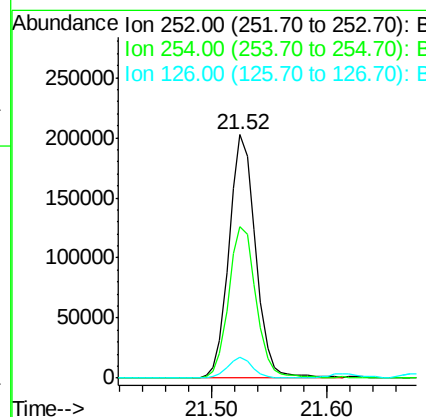
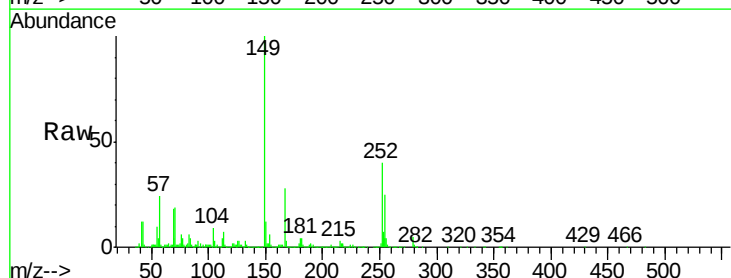
Manual Integrations
APPROVED

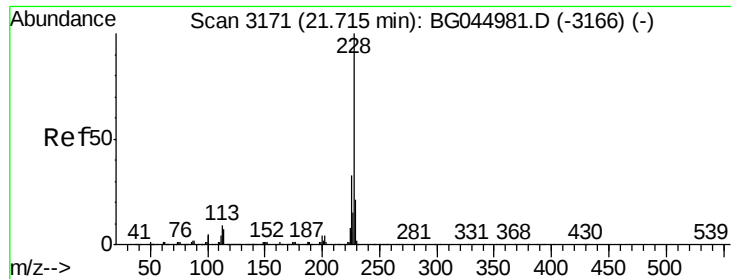
mohammad
5/13/2020 8:15:26 AM



#82
3,3'-Dichlorobenzidine
Concen: 24.50 ng
RT: 21.52 min Scan# 3138
Delta R.T. -0.01 min
Lab File: BG045316.D
Acq: 12 May 2020 5:23

Tgt Ion	Ratio	Lower	Upper
252	100		
254	62.1	52.6	79.0
126	8.4	7.5	11.3





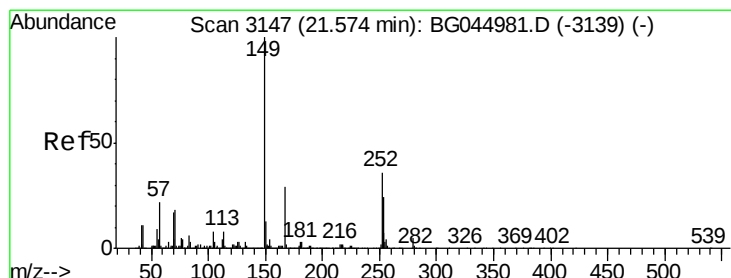
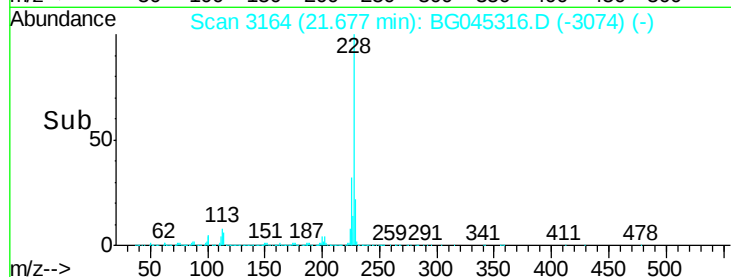
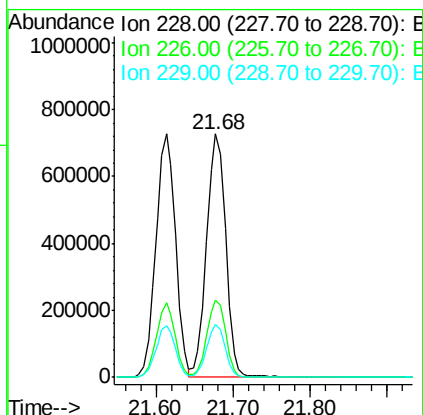
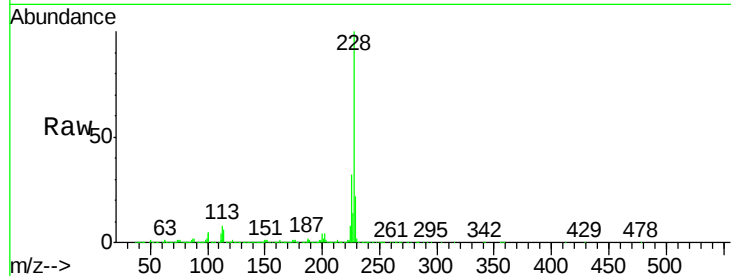
#83
 Chrysene
 Concen: 38.98 ng
 RT: 21.68 min Scan# 3164
 Delta R.T. -0.00 min
 Lab File: BG045316.D
 Acq: 12 May 2020 5:23

Instrument :
 BNA_G
 ClientSampleId :
 TP-12AMSD

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.0	26.2	39.4
229	21.6	17.0	25.6

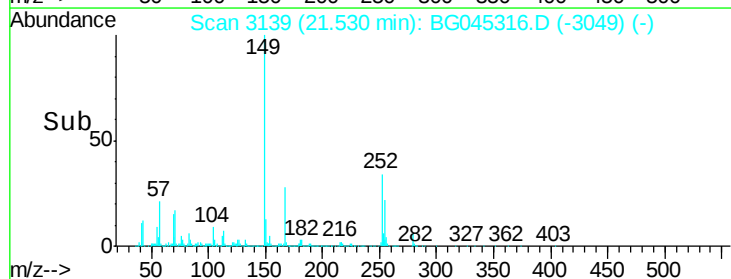
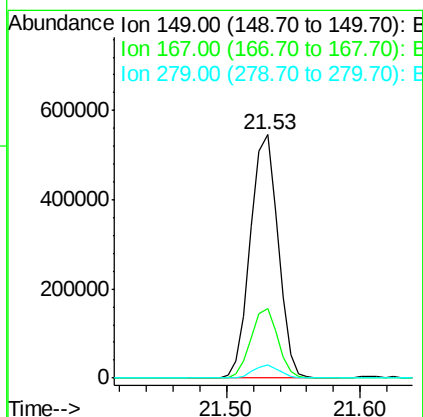
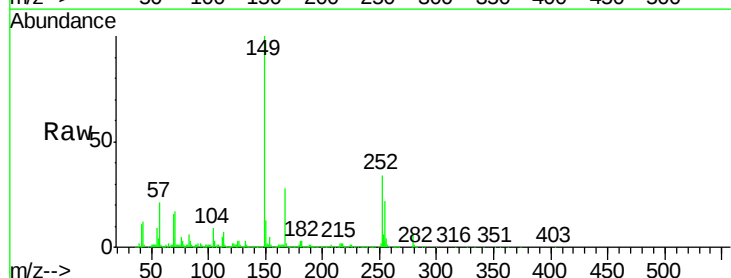
Manual Integrations
 APPROVED

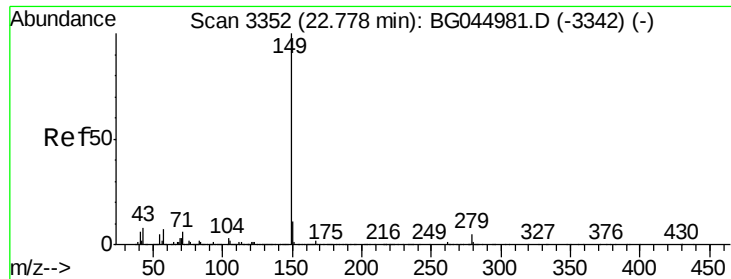
mohammad
 5/13/2020 8:15:26 AM



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 38.62 ng
 RT: 21.53 min Scan# 3139
 Delta R.T. -0.00 min
 Lab File: BG045316.D
 Acq: 12 May 2020 5:23

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.4	23.4	35.0
279	5.6	4.3	6.5





#85

Di-n-octyl phthalate

Concen: 38.13 ng

RT: 22.72 min Scan# 3342

Delta R.T. -0.01 min

Lab File: BG045316.D

Acq: 12 May 2020 5:23

Instrument :

BNA_G

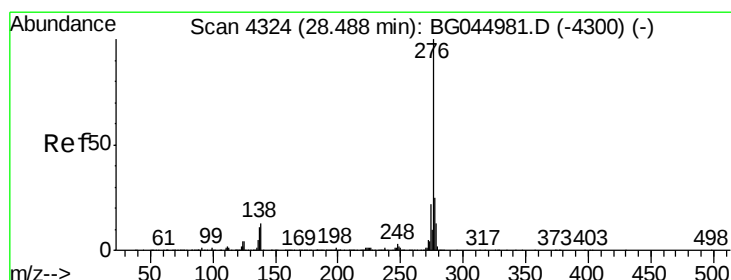
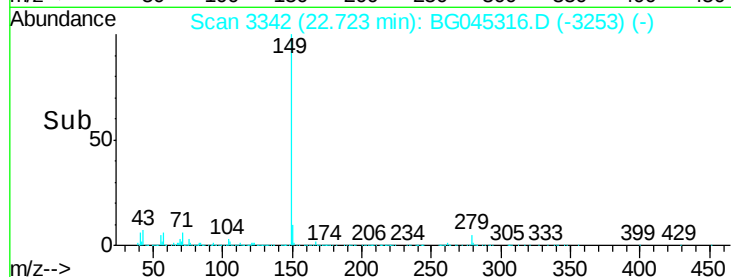
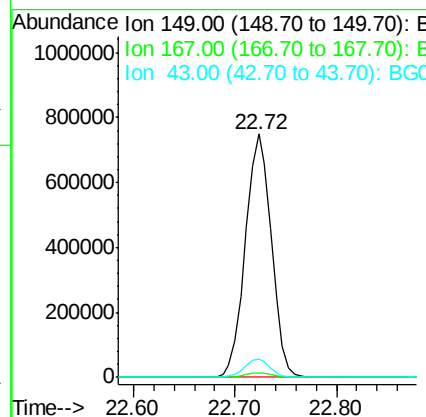
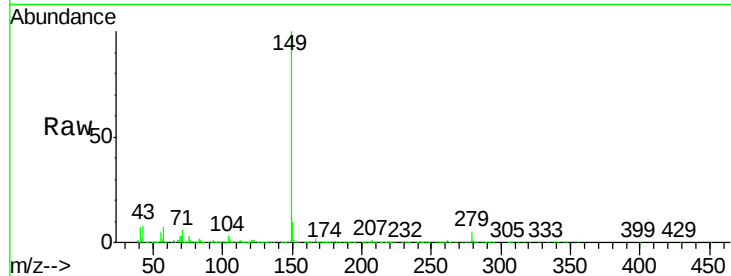
ClientSampleId :

TP-12AMSD

Tgt Ion:	149	Resp:	1326532
Ion	Ratio	Lower	Upper
149	100		
167	1.8	1.4	2.2
43	7.3	5.7	8.5

Manual Integrations
APPROVED

mohammad
5/13/2020 8:15:26 AM



#86

Indeno(1,2,3-cd)pyrene

Concen: 39.12 ng

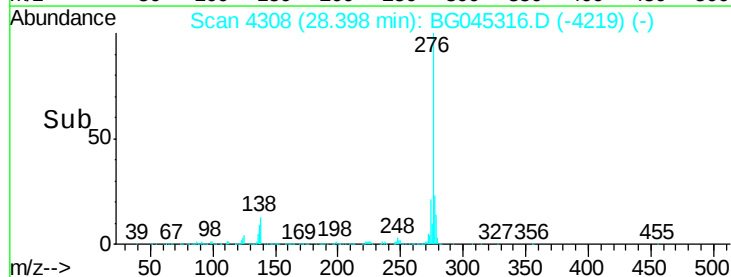
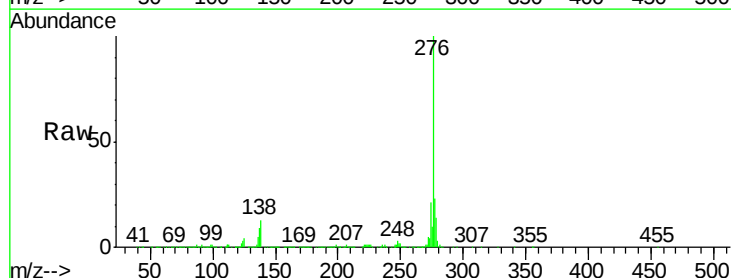
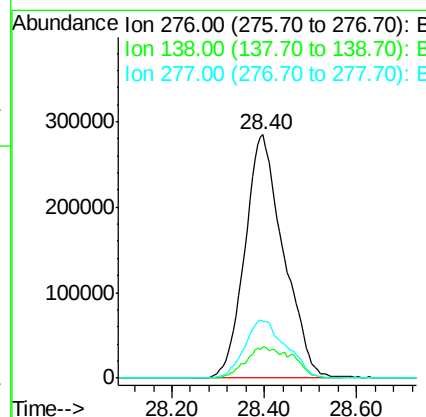
RT: 28.40 min Scan# 4308

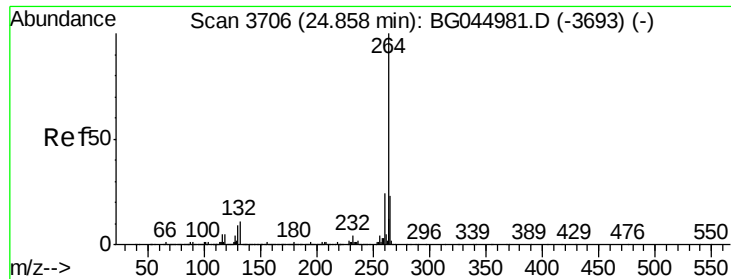
Delta R.T. -0.01 min

Lab File: BG045316.D

Acq: 12 May 2020 5:23

Tgt Ion:	276	Resp:	1655705
Ion	Ratio	Lower	Upper
276	100		
138	10.4	9.6	14.4
277	25.8	20.6	31.0





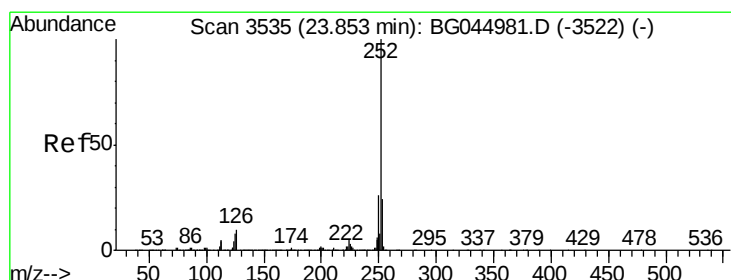
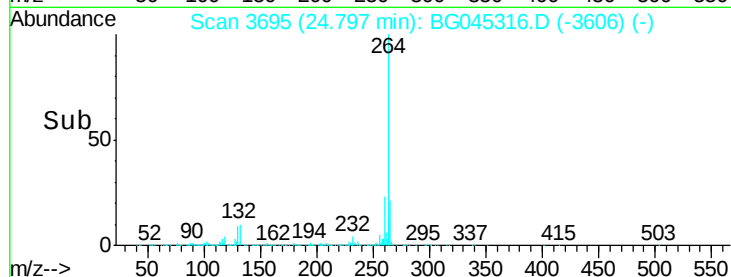
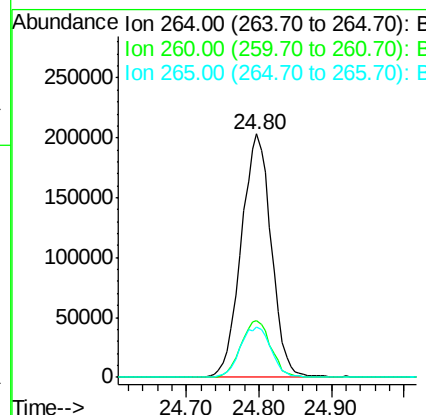
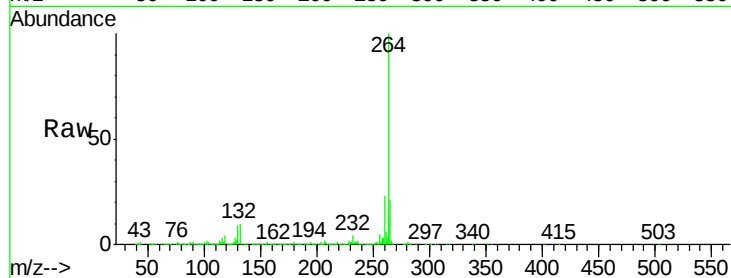
#87
Perylene-d12
Concen: 20.00 ng
RT: 24.80 min Scan# 3695
Delta R.T. -0.01 min
Lab File: BG045316.D
Acq: 12 May 2020 5:23

Instrument :
BNA_G
ClientSampled :
TP-12AMSD

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	20.8	19.0	28.4

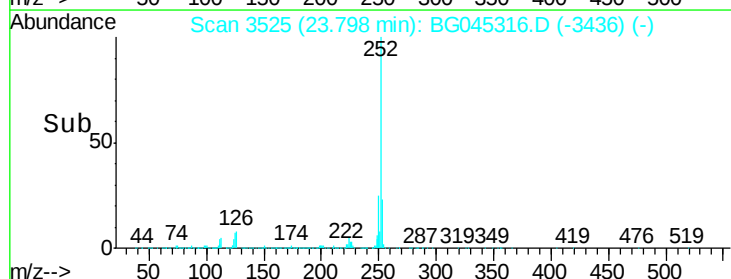
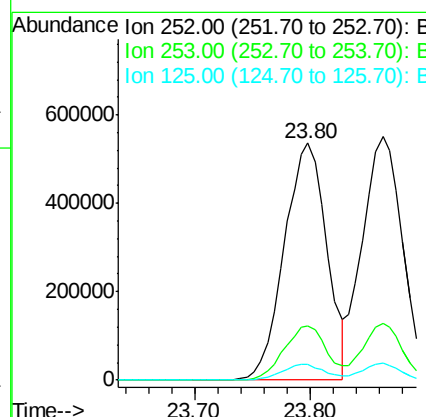
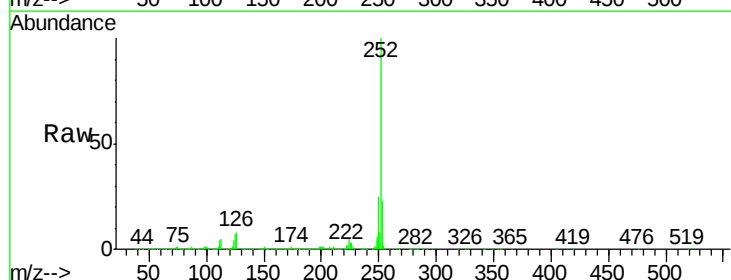
Manual Integrations
APPROVED

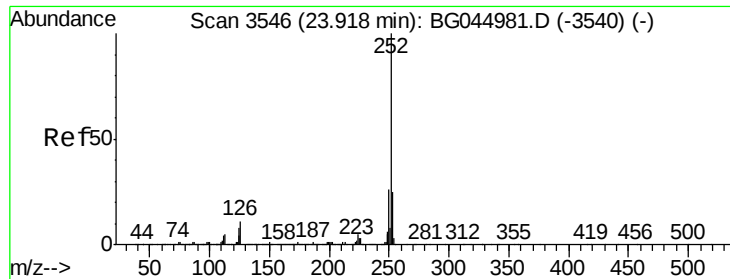
mohammad
5/13/2020 8:15:26 AM



#88
Benzo(b)fluoranthene
Concen: 37.47 ng
RT: 23.80 min Scan# 3525
Delta R.T. -0.01 min
Lab File: BG045316.D
Acq: 12 May 2020 5:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.8	28.2
125	6.6	6.2	9.4





#89

Benzo(k)fluoranthene

Concen: 38.65 ng

RT: 23.86 min Scan# 3536

Delta R.T. -0.01 min

Lab File: BG045316.D

Acq: 12 May 2020 5:23

Instrument :

BNA_G

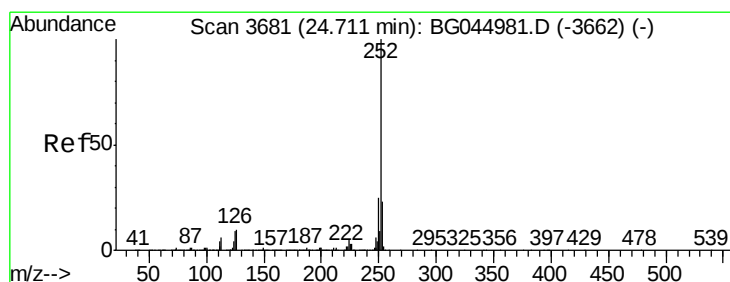
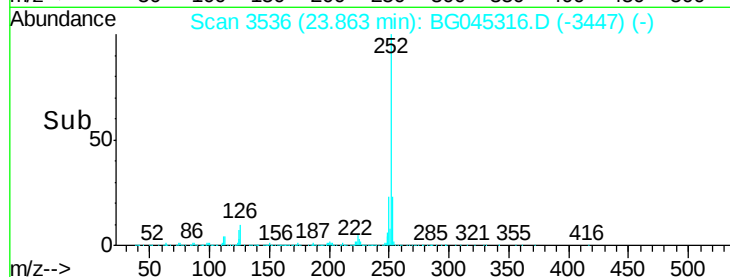
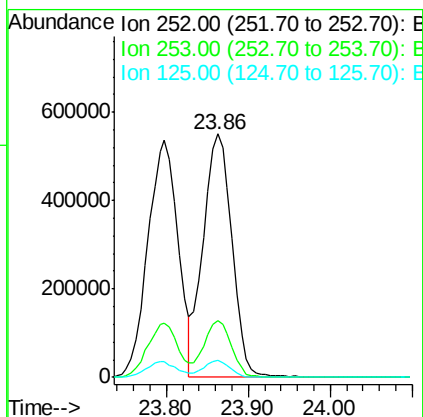
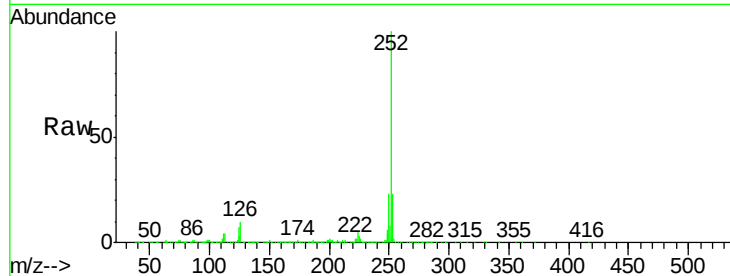
ClientSampleId :

TP-12AMSD

Tgt Ion:	252	Resp:	1342652
Ion Ratio	Lower	Upper	
252	100		
253	23.1	19.2	28.8
125	7.1	5.9	8.9

Manual Integrations
APPROVED

mohammad
5/13/2020 8:15:26 AM



#90

Benzo(a)pyrene

Concen: 36.88 ng

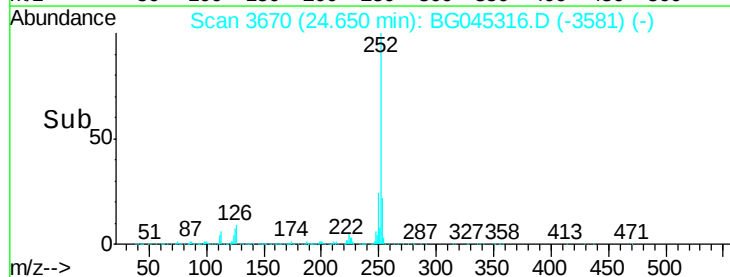
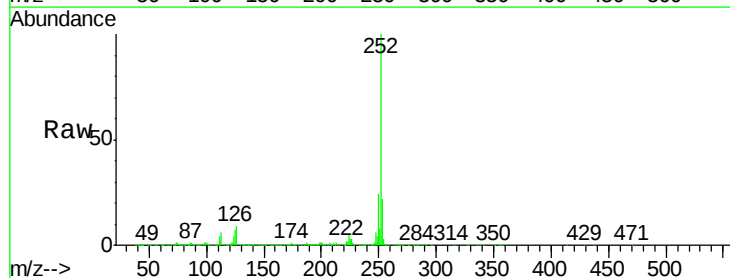
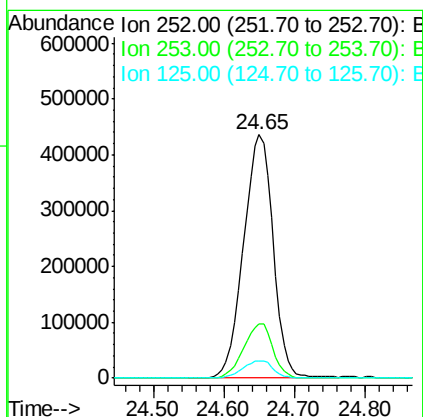
RT: 24.65 min Scan# 3670

Delta R.T. -0.01 min

Lab File: BG045316.D

Acq: 12 May 2020 5:23

Tgt Ion:	252	Resp:	1271973
Ion Ratio	Lower	Upper	
252	100		
253	22.3	18.3	27.5
125	6.8	7.0	10.6#





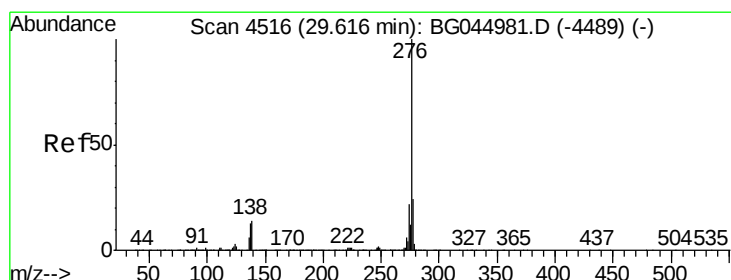
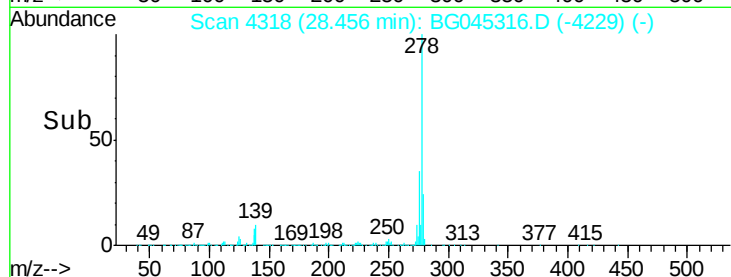
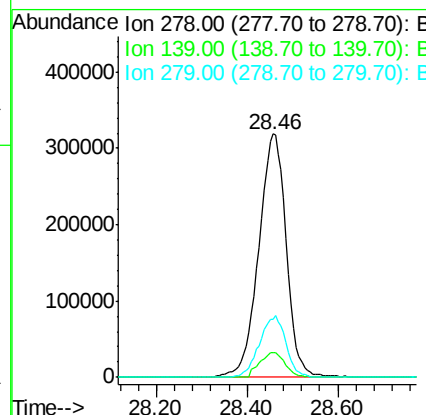
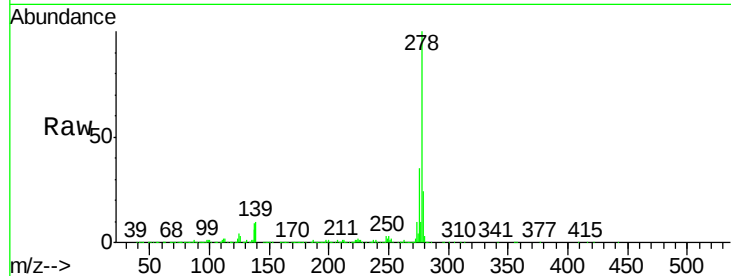
#91
Dibenzo(a,h)anthracene
Concen: 38.74 ng
RT: 28.46 min Scan# 4318
Delta R.T. -0.01 min
Lab File: BG045316.D
Acq: 12 May 2020 5:23

Instrument :
BNA_G
ClientSampleId :
TP-12AMSD

Tgt Ion	Ratio	Lower	Upper
278	100		
139	10.1	9.0	13.6
279	24.0	18.4	27.6

Manual Integrations
APPROVED

mohammad
5/13/2020 8:15:26 AM



#92
Benzo(g,h,i)perylene
Concen: 39.63 ng
RT: 29.52 min Scan# 4499
Delta R.T. -0.01 min
Lab File: BG045316.D
Acq: 12 May 2020 5:23

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.3	28.9
138	12.4	11.4	17.2

